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Contents

	Page
Issue of May 3, 1949	2
Patents Expiring	2
Applications Under Examination	3
Decisions of the U. S. Courts	
In re Lloyd	5
In re Pope	8
The Scholl Mfg. Co., Inc. v. Irving Simon, Etc.	10
Notices	
Attorney Representing Different Parties in Interference	12
Erratum	12
Adjudicated Patents	12
Cancellation Notice	12
Register of Patents Available for Licensing or Sale	13
Trade-Marks	
Published (336 Applications)	17
Registrations Granted	57
Registrations Renewed	78
Registrations Amended, Surrendered, Disclaimed, Corrected, etc.	81
Registrations—New Certificates	81
Registrations Republished (325 Registrations)	82
Reissues	123
Patents Granted	124
Designs	285

May 3, 1949

Trade-Marks	64—No.	442,579 to No.	442,642, inclusive
T. M. (Act of 1946)	335—No.	509,199 to No.	509,533, inclusive
T. M. Renewals	87		
Reissues	3—No.	23,106 to No.	23,108, inclusive
Patents	626—No.	2,468,724 to No.	2,469,349, inclusive
Designs	82—No.	153,575 to No.	153,656, inclusive
Total	1,197		

Patents expiring: Patent Numbers 1,856,063 to 1,857,122, inclusive, issued May 3, 1932, expire May 3, 1949

Condition of Applications Under Examination at Close of Business Apr. 15, 1949

Total number of patent applications awaiting action, 148,922. Date of oldest new application, May 24, 1947; date of oldest amended application, Sept. 26, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandy; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	9-16-48	7-28-47	2,895
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying Presses; Tobacco; Textile Wringers	9-16-47	4-14-47	2,790
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	8-31-48	8-25-48	900
4. BISHOP, WALTER O., Power Driven Conveyors; Hoists, Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Mining, Quarrying, and Ice Harvesting.	9-12-47	8-23-47	3,250
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	3-13-48	7-25-47	1,480
6. SURLE, H., Carbon Chemistry (part)	4-28-48	4-10-48	1,800
7. HANLIN, GEORGE, Optics; Photographic Apparatus	8-2-48	4-28-48	1,540
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	7-21-47	4-15-47	4,576
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	11-10-47	9-14-47	2,230
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	6-17-48	5-21-48	1,611
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	3-11-48	7-28-47	1,946
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	7-9-48	5-31-17	1,944
13. BEALL, T. E., Gear Cutting, Milling; Planing, Metal Working (part); Needle and Pin Making; Turning	6-6-47	7-28-47	2,200
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	7-7-48	4-2-48	1,248
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	6-11-48	11-6-47	1,780
16. LOVEWELL, N. N., Television; Telephony	7-19-48	10-17-47	1,620
17. LEIGHEY, R. A., (Acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	10-24-47	12-23-46	2,244
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	3-30-48	7-25-47	2,380
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	5-25-48	8-23-47	1,700
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	1-14-48	8-28-47	1,987
21. MADER, R. G., Textiles	3-17-48	1-27-48	1,305
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	11-14-47	8-6-47	1,592
23. LEWIS, J. B., CashRegisters; Calculators and Counters; Education	4-23-48	5-22-47	1,150
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	4-2-48	3-26-48	2,378
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	7-21-48	11-28-47	1,642
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	7-9-48	1-30-48	1,130
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	10-24-47	5-9-47	3,242
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horse-power Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	5-20-47	5-20-47	1,767
29. HABECKER, LEONE B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	8-7-47	8-14-47	3,219
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	8-2-48	8-4-48	752
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	3-17-48	8-16-48	1,975
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	9-22-47	3-3-47	1,920
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	8-6-47	7-22-47	3,679
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	4-29-48	12-12-47	1,306
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	10-29-47	2-25-47	3,565
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	5-17-47	6-4-47	2,009
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	7-28-48	1-7-48	1,349
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	4-29-48	3-15-48	1,723
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	5-18-48	2-20-47	3,008
40. DRUMMOND, E. J., Receptacles (part); Packages	5-28-48	7-1-47	3,158
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	5-18-48	3-19-47	2,304
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	5-24-48	8-20-48	1,001
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	7-20-48	4-29-48	1,142
44. HARVEY, L. P., Refrigeration	11-26-47	4-23-47	971
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	3-22-48	7-21-47	2,482
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	2-3-48	3-24-47	1,831

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 148,922. Date of oldest new application, May 24, 1947; date of oldest amended application, Sept. 26, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	7-16-48	2-14-48	2,028
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	7-22-48	10-21-47	1,496
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Walls; Earth Boring.	10-11-47	9-4-47	2,347
50. LEVIN, SAMUEL, Synthetic Resins	8-17-48	5-15-48	1,905
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	7-17-48	4-14-48	1,446
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	1-22-48	6-20-47	3,653
53. BRINDISI, M.V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip apparatus.	2-25-48	1-30-47	2,293
54. STRACHAN, O. W., Electric Lamp and Discharge Device s, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	7-23-48	9-12-47	1,463
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	6-15-48	1-22-48	1,761
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	4-12-48	3-27-48	1,948
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys.	1-15-48	5-3-47	3,406
58. DOWELL, E. F., Abrading Processes and Apparatus, Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	6-25-47	9-8-47	1,764
59. SHEPARD, P. W., Inorganic Chemistry; Fertilers; Gas, Heating and Illuminating; Preserving	5-1-48	10-2-47	1,553
60. GLASS, R. L., Electricity—Heating, Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	7-13-48	4-10-48	1,102
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	6-24-47	12-10-46	3,684
62. LOWE, D. B., (Acting), Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors.	6-13-48	2-28-48	1,500
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	4-17-48	12-17-47	2,009
64. NASH, P. M., Compositions—Coating of Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	9-15-48	9-14-48	1,779
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	7-20-48	2-11-48	2,301
66. LISANN, I., Geometrical Instruments	5-25-48	9-26-46	1,984
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	7-16-48	11-1-47	1,880
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	8-31-48	5-14-48	1,463
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	11-4-47	8-7-47	2,134
70. BREWRINK, J. K., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	4-13-48	1-21-48	1,037
DESIGNS: BREHM, G. L.	7-29-47	10-15-48	6,881

Total number of trade-mark applications awaiting action (including renewals and republications), 32,019. Date of oldest new application, Jan. 16, 1948; date of oldest amended application, Apr. 26, 1948.

TRADE-MARK EXAMININO DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	3-3-48	9-13-48	4,098
2. KASCHUB, H. E., Classes 2, 36, 46	1-21-48	8-12-48	5,181
3. SUMMERS, O. S., Classes 21, 23, 26	2-13-48	9-27-48	4,561
4. BARR, E., Classes 3, 7, 30, 40, 41, 42, 43	1-16-48	8-26-48	4,222
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	3-8-48	8-1-48	3,759
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	3-13-48	7-24-48	3,900
7. KEYS, O. M., Classes 16, 19, 55	2-7-48	4-26-48	2,080
8. GEDIMAN, H. W., {Renewals / Republications} All Classes	2-23-49	3-15-49	202
	7-7-48	3-3-49	4,116

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE LLOYD

No. 5454. Decided February 1, 1949

[— F.2d —; 80 USPQ 499]

1. APPEAL TO CCPA—DECISION OF BOARD OF APPEALS—EFFECT OF GENERAL AFFIRMANCE.

Where there is no reference in the decision of the Board to the functional nature of the characteristics named in the claims, but it is clear that the Examiner considered this during the prosecution of the case and gave it as a reason for rejection, *Held* that, the Board not having overruled the Examiner upon this point, we treat the latter's findings as having been affirmed.

2. PATENTABILITY — COMPOSITION — RESULTS OF FUNCTIONS.

Where the several properties specified in the claims are not limitations present in the ingredients but are results or functions which are present in the completed composition, *Held* that they are not limitations which enter into the patentability of the claims.

3. SAME—PARTICULAR SUBJECT MATTER—HEAT INSULATING MATERIAL.

Certain claims for a molded heat insulating material of cellular structure *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Serial No. 441,235.

AFFIRMED.

Lester F. Dittenhoefer for Lloyd.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

GARRETT, *C. J.*:

We have here an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the rejection by the Primary Examiner of seven claims, being all the claims, of appellant's application for patent entitled "For Heat-Insulating Material." The claims are numbered respectively 4, 5, 14, 15, 16, 17, and 18.

In the brief for appellant it is stated:

> The problem that confronted appellant was to provide an integral insulation material having, among others, the following physical characteristics:
> (1) An insulation temperature range up to and in excess of 1000° F.
> (2) Light weight and low density.
> (3) Low thermal conductivity.
> (4) A high modulus of rupture.
> (5) Low percentage of volume shrinkage when heated.
> (6) Resistance to compression and abrasion.
> (7) A low percentage of moisture absorption by volume.
> (8) Capability of withstanding a soaking heat of 1250° F.
> (9) Unaffected by immersion in water.
> These characteristics of the material are set forth in appellant's specification.

The brief of the Solicitor for the Patent Office gives the following epitome of the subject matter:

> Appellant's specification describes an alleged new molded, porous, calcareo-silicious material for thermal insulation. In preparing such material, a slurry in water of comminuted calcium oxide (lime), silica, uncalcined bentonite and asbestos fiber is prepared, the bentonite and asbestos components amounting to not over 15% each of the total dry weight of the finished product. The mixture is heated below the boiling point of water until a jelly-like or viscous consistency results, and then placed into molds or forms of the desired shape. The mixture is then thermo-set in its molded shape by subjecting to heat alone or to both heat and steam, and then finally dried. The finished product is said to comprise principally calcium silicate, formed by reaction of the calcium oxide and silica, with minor proportions of asbestos and bentonite, and to possess a very low density, low thermal conductivity, low shrinkage on heating, high tensile strength, and resistant to compression, abrasion and water. The product is alleged to be a superior, low cost, light weight insulation having a wide temperature range and having the requisite structural strength to withstand rough treatment in transportation, application and use.

The Board regarded claim 4 as representative. We quote it and, for reasons hereinafter appearing, quote also claims 14 and 17.

> 4. A heat-insulating material comprising a shaped and hardened body of cellular structure consisting of calcium silicates reenforced with inorganic fibres, and containing a hydrophilic colloid in an amount not in excess of about fifteen percent of the total dry weight of the material.
>
> 14. A molded insulating material of cellular structure, comprising calcium silicate, bentonite, and asbestos fibres, said material having the following characteristics and properties: weight about twelve pounds per cubic foot; thermal conductivity of not more than 0.60 B. T. U. per hour per degree of Fahrenheit inter-face temperature difference per unit of thickness, at a hot plate temperature of about 220° F.; effective insulating temperature range up to about 1000° F.; tensile strength of not less than fifty to sixty pounds per squere inch; and of being unaffected by water.
>
> 17. A light-weight molded cellular heat-insulating material comprising a mixture of about 4 parts by weight of calcium oxide, about 6¼ parts by weight of silica, and about 2¼ parts by weight each of bentonite and asbestos fibres.

The references relied upon by both the Examiner and the Board are the following patents: Kern, 1,666,936, Apr. 24, 1928; Huttemann et al., 1,932,971, Oct. 31, 1933.

The Kern patent "relates to manufacturing bricks, tiles and other elements useful in the manufacture of houses and buildings, such products being of the general nature of sand lime bricks, but being substantially improved in regard to their properties, * * *." The specification describes the process of manufacturing the articles by mixing "highly pure" sand with slaked lime and supplying water in sufficient amount to enable the molding of the brick, there being added to the mixture kieselguhr, which is a species of diatomaceous earth, and a clay

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such as bentonite. It is taught that such added materials produce lime bricks that are much stronger than those not having such added ingredients. It is also taught by Kern that both the kieselguhr and bentonite promote silicification and that porosity occasioned by the admixture of the kieselguhr causes acceleration of the hardening of the bricks, which are first heated in a steam atmosphere to produce calcium silicate which acts as a binder.

The Huttemann patent relates "to building material and particularly to heat-insulating light weight blocks with a good mechanical strength."

The Board points out that his patent discloses:

> • • • a light weight molded cellular heat-insulating material in the form of calcium silicates reinforced with asbestos fibers. The materials employed by Huttemann et al. in making their material are the same as those employed by the appellant here with the sole exception that the patentees do not use bentonite. As disclosed in the patent specification, sand and lime are mixed together in proper proportions with water to form a silicate in which there is no uncombined lime. This material is stabilized with asbestos fiber to increase the mechanical strength of the final product. After thoroughly drying, all but the chemically combined water is driven out, leaving a porous structure which has high heat-insulating weight, that is, of the order of 10 to 60 pounds per cubic foot.

The Board stated that neither of the references directly anticipates the claims here involved, but pointed out that "both show essential and important elements of appellant's composition in combination," and commented:

> In view of the disclosures in these two patents we are in agreement with the Examiner's conclusion that invention would not be involved in improving Huttemann et al.'s composition by following the teaching of Kern who shows that the addition of bentonite to calcium silicates to provide a porous structure is not new with the appellant. We consider that the products produced by both patentees are sufficiently similar so that it would be obvious to modify either one in view of the other, that is to say, by adding the bentonite of Kern to the composition of Huttemann et al. or, for that matter to add asbestos fibers to the Kern composition for the obvious purpose of increasing the mechanical strength thereof would be an entirely obvious procedure.

The Board's discussion of claims 14, 16, and 17 is hereinafter quoted.

The brief on behalf of appellant seemingly regards the concession of the Board hereinabove noted as being of much importance in the case, saying:

> The decision of the Board states • • • that: *"Neither of these references directly anticipates the claims* but both show essential and important elements of appellant's composition in combination." Therefore, the issue is primarily that of invention. [Italics quoted.]

Appellant concedes that all elements of his combination are old, but insists that it does not follow from this that invention is lacking. His brief says:

> Both the Huttemann and the Kern patents relate to methods of making building materials. Neither of them relate specifically to a high-temperature insulation, nor do either show all of the elements of appellant's insulation in combination.

We may remark at this point that there is no contention that appellant's art is not analogous to the art of the references.

The brief of the Solicitor for the Patent Office before us maintains that both the Examiner and the Board erred in a certain particular, which, however, does not affect the conclusion. In the early part of his brief it is said (page references omitted as indicated by asterisks):

> At the outset it is desired to point out that, though both the Examiner and Board of Appeals, treated the appealed claims as a group, apparently on the assumption that all the claims stand or fall together, and the decision of the Board states that neither of the references directly anticipates the claims, • • • the actual situation is markedly different. As considered below all the claims have been treated as though they specifically included bentonite in the composition—appellant in his brief • • • falls into the same error. Actually, claims 4 and 16, on the one hand, call broadly for a "hydrophilic colloid," while claims 5, 14, 15, 16 [17] and 18, on the other hand, specify "bentonite."

Subsequently, in the brief the solicitor discusses the distinctions among the claims, saying, inter alia, in connection with the discussion of claim 4, that it is believed that the Huttemann et al. patent reference "is in fact better than the Board considered it," for the reason that "each and every limitation thereof has been shown [the brief reads the claim upon the Huttemann et al. disclosure] to be readable upon the patent." It is urged, therefore, that the concession by the Board that neither of the references directly anticipates the involved claims, hereinbefore referred to, "should be of no benefit to appellant," citing *In re Osse*, 28 CCPA (Patents) 1267, 120 F.2d 1022, 50 USPQ 57, 533 O. G. 266; *In re Lowenstein*, 35 CCPA (Patents) 825, 165 F.2d 458, 76 USPQ 322, 609 O. G. 247.

From a careful study of the case in the light of appellant's arguments we fail to find any element in his claim 4, supra, which is not present in the Huttemann patent, except that his patent makes no specific mention of bentonite.

Claim 5 differs from claim 4, supra, in just two particulars; viz., instead of "inorganic fibres" it names "asbestos fibres" and instead of "hydrophilic colloid" it names "bentonite." Huttemann recites in his specification:

> The slurry hereinbefore described may be further stabilized and the mechanical strength of the final product may be increased by the inclusion of a small amount of fibrous material, such as asbestos fibers, the amount being on the order of several per cent.

So far as the bentonite is concerned, it might be questioned whether its substitution for some of the several materials named in the Huttemann patent, said to "possess the ability to combine with hydrated lime when subjected to heat," would be invention, but the tribunals of the Patent Office made no specific holding to that effect, and whatever may be the legal situation in that regard, it is immaterial here, because the patent to Kern expressly names bentonite as one of several forms of hydrated aluminum silicates, which when used "have the effect of further promoting the silicification of the lime."

Claim 14 is broader than claim 5 in that it places no limitation upon the amount of bentonite to be used. It will be observed that it names specifically just three ingredients, to wit: calcium silicate, bentonite, and asbestos fibres, for producing the molded insulating material of cellular structure, and that it recites certain characteristics of the molded material, such as weight, thermal conductivity, insulating temperature, tensile strength, and "of being unaffected by water."

It was the view of the Board that the characteristics or properties of appellant's finished product as expressed in claim 14 would be inherent in the Huttemann et al. composition when modified by the teaching of Kern relative to the use of bentonite. In so holding, the Board seems to have gone somewhat further than the Examiner.

Concerning claim 14 the Examiner, in his statement following the appeal to the Board, said:

> Claim 14 recites the product as having a certain thermal conductivity. While this would be inherent in Huttemann's composition as modified by the teaching of Kern, it is not thought that the recitation of a functional property of known desirability may be relied on for patentability.

It will be noted that the only characteristic named in the claim specifically mentioned by the Examiner was "thermal conductivity." The Board, however, included all the named characteristics (seemingly proceeding upon the theory that the Examiner had done so) and held "that the various physical properties of the material as defined in claim 14 would be inherent in the Huttemann et al. composition as modified by the teaching of Kern • • •."

[1] We do not find in the decision of the Board any reference to the functional nature of the characteristics named in the claims, but it is clear that the Examiner considered this during the prosecution of the case and gave it as a reason for rejection. Under the long-established practice, the Board not having overruled the Examiner upon this point, we treat the latter's finding as having been affirmed, *In re Boyce*, 32 CCPA (Patents) 718, 144 F.2d 896, 63 USPQ 80, 568 O. G. 568.

Appellant's reasons of appeal cover this point, and it is quite earnestly argued on his behalf before us, not only that the physical characteristics of the molded insulating material defined in claim 14 would not be inherent in the composition of Huttemann when modified by the use of bentonite, as taught by Kern, but also that claim 14 is not functional.

[2] We have carefully considered the arguments so made, but we are not convinced of their soundness. The claim defines a material comprised of the three ingredients; viz., calcium silicate, bentonite, and asbestos fibres. It does not even mention the use of water as an ingredient in making the finished product, although it does say that such product is unaffected by water. The several properties of weight, thermal conductivity, etc., specified in the claims are not limitations present in the ingredients—calcium silicate, bentonite, or asbestos fibres—but are results or functions which are present in the completed composition. They are not, therefore, limitations which enter into the patentability of the claims, and to allow the claims upon their bases would be in conflict with the rule clearly stated by the Supreme Court of the United States in the case of *United Carbon Co. et al. v. Binney & Smith Co.*, 317 U. S. 228, 546 O. G. 598, wherein there are pertinent citations of other cases, and by this court in the case of *In re Fullam et al.* (see also decisions therein cited), 34 CCPA (Patents) 1018, 161 F.2d 247, 73 USPQ 399, 608 O. G. 189.

Claim 15 was not specifically discussed by either the Examiner or the Board. It defines the ingredients of a "thermostat, porous, molded body" of heat-insulating material as being composed of lime, asbestos fibres, and bentonite, thus virtually duplicating claims 5 and 14 as to the ingredients used. The claim concludes with the statement, "the bentonite being rendered substantially inert to absorption of water by reaction of at least a portion thereof with the lime." This statement obviously is purely functional and under the last authorities cited, supra, adds nothing to the patentability of the claim.

Claims 16 and 17 differ only in the fact that claim 16, like claim 4, supra, calls for the use of a "hydrophilic colloid" and "inorganic fibres," while claim 17, supra, like claim 5, specifies "bentonite" and "asbestos fibres."

Both claims recite the same proportions of the ingredients. See claim 17, supra. The Examiner held that such proportions "obviously vary but little from Huttemann's proportions and produce results which vary at most only in degree therefrom." The Board's comment reads:

> With regard to the question of proportions as defined in claims 16 and 17 these vary but little from Huttemann et al.'s proportions, as the Examiner points out, and differs, if at all, as a matter of degree and not as a difference in kind.

Appellant contends that his proportions vary widely from the proportions defined in the prior art and insists the difference is one of kind rather than degree. We quote the following from his brief:

> • • • the patentees [referring here to Huttemann et al.] describe use of 15 to 55 parts lime and 45 to 85 parts silica. In the one case, considering that the total solids are 100 parts, the relationship of lime to silica is 15 : 85, or 1 part lime to 5.666 parts silica. In the other the relationship is 55 : 45, or 1 part lime to 0.818 parts silica. Appellant's claims call for 4 parts calcium oxide (lime) and 6½ parts silica, or 1 part lime to 1.625 parts silica. It is evident, therefore, that the Board's holding that the proportions defined in claims 16 and 17 "vary but little from Hutteman, et al.'s proportions" is not well founded in fact, particularly when it is borne in mind that Huttemann makes no disclosure whatsoever of use of bentonite or like hydrophilic colloid. Certainly, Huttemann's statement that "several per cent" of asbestos [fibres] may be added does not anticipate appellant's clear and definite disclosure of use of 2¼ parts of asbestos fibers.

The specific rejection of claims 16 and 17, both by the Board and the Examiner, is based on Huttemann alone, although in the blanket rejection of all of the claims Kern is also included.

The solid ingredients stated by Kern in the example given on page 1, lines 80–85, of his patent are as follows:

Sand	100 parts by weight
Kieselguhr	3 parts by weight
Slaked lime	8 parts by weight

Those proportions, which are also recited in claim 2 of the patent, differ so widely from appellant's proportions as not to require further discussion.

At page 2, lines 79–82, Kern says:

> "If clay or other aluminum silicates are to be employed, the proportions thereof can likewise vary a good deal, say from 10% up to about 25%."

Apparently that statement is relied upon as showing that Kern uses "10–25% of bentonite." However, as the total parts by weight of the solid ingredients is 111, if bentonite were used in the stated percentages the amount of that substance added would be from 11.1 to 27.75 parts by weight. That is far in excess, and very different from appellant's use of bentonite in an amount of 2¼ parts by weight.

We have already shown that appellant's proportions of lime and silica are materially different from those of the Huttemann reference, and since the latter uses no bentonite, it is submitted that the difference is one of kind rather than degree.

It is pointed out in the brief of the Solicitor for the Patent Office that in reaching the conclusion that his proportions vary from those of the prior art, appellant's calculations utilize only the extremes disclosed in the patent, and "It is submitted that values intermediate the extremes disclosed for the silica and lime are clearly as much a part of the teaching of the reference disclosure as those specifically set forth." It is further pointed out that

appellant's proportions of silica and lime fall within the range of the reference and that no new unexpected or unobvious result has been shown to flow from the proportions named in the claims, and upon the authority of this court's decision *In re Marcus T. Lothrop*, 19 CCPA (Patents) 1183, 58 F.2d 429, 13 USPQ 224, it is urged that invention is not present, 422 O. G. 609.

It is further pointed out that there does not appear to be anything critical about the proportion of asbestos fibres named in claim 17.

We are not convinced that the conclusion reached by the tribunals of the Patent Office relative to claims 16 and 17 was erroneous.

Claim 18 was included with those rejected upon Huttemann et al. in view of Kern. It was specifically referred to in the Examiner's short statement as being so rejected. The Board made no specific reference to it. The brief for appellant only says of it that it differs from claim 5 in that it does not include asbestos fibres.

There is no contention that this omission adds to the patentability of the claim, and we think it obvious that it does not do so.

[3] Although both the Examiner and the Board appear to have erred in this case by treating all the claims as if they specifically included bentonite, we are not convinced that the conclusion reached was erroneous. In consequence decision is affirmed as to the conclusion.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE POPE

No. 5517. Decided March 1, 1949

[— F.2d—; 81 USPQ 107]

1. PATENTABILITY—PROCESS—COMBINING REFERENCES.
   Where the question in issue is one of invention over the prior art, *Held* that in negativing patentability of a claimed process, more than one reference may be used to show that the claimed steps are old and that no invention was involved in combining them.
2. SAME—SAME—REJECTION ON APPARATUS.
   Held that an apparatus disclosure in the prior art, with no description of any process, may negative patentability of a claimed process if the inherent operation of the apparatus carried out the process.
3. SAME—PARTICULAR SUBJECT MATTER—METHOD OF LUBRICATION.
   Certain claims to a method of lubricating a reciprocating traveler ring of a twisting machine *Held* properly rejected as lacking invention over the prior art.

APPEAL from the Patent Office. Serial No. 516,236.

AFFIRMED.

Evans & McCoy (*Frank S. Greene* of counsel) for Pope.

W. W. Cochran (*H. S. Miller* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting claims 1 and 2 in appellant's application for a patent for alleged new and useful improvements "in Twister Ring Lubricating Device."

The appealed claims are drawn to a method of lubricating reciprocating traveler rings of twisting machines, and were rejected as lacking invention over the prior art of record. Ten claims, directed to the device, have been allowed.

The appealed claims read as follows:

1. The method of lubricating a reciprocating traveler ring of a twisting machine which comprises forcing a minute measured quantity of a plastic solid lubricant through the ring to its inner face at intervals timed with respect to the reciprocating movements of the ring.

2. The method of lubricating a reciprocating traveler ring of a twisting machine which comprises maintaining a body of lubricant exteriorly of the ring and an unbroken column of a plastic solid lubricant from said body to the inner face of the ring, and forcing a minute measured quantity of lubricant from said body into the column at intervals timed with respect to reciprocating movements of the ring to cause a corresponding quantity of lubricant to flow to the inner face of the ring.

The references are: Boyd, 845,510, Feb. 26, 1907; Banfield, Jr., et al., 2,005,725, June 25, 1935; Stahl, 2,233,460, Mar. 4, 1941.

Appellant's application relates to the lubrication of a spinner or traveler ring used in the high-speed spinning of yarn. In his brief it is pointed out that the success of his method is due to the intermittent delivery of minute measured quantities of solid plastic lubricant to the inner bearing face of the ring. The solid plastic lubricant employed, as described in appellant's specification, is "such as a high melting point grease."

The patent to Boyd relates to rings and travelers, which are used in spinning, twisting, and analogous machines. It has for its object the more convenient manipulation and lubrication of such machines. One part of the invention refers to the lubrication of rings and travelers. In carrying out his method, Boyd fixes the ring in a ring rail, upon which he forms a chamber with a screwed plug. From the chamber he bores a hole through the ring rail and the ring, and by means of a screwed plug he forces the lubricant into the ring. The patentee does not state that the lubricant employed by him consists of grease.

The patent to Banfield, Jr., et al. relates to spinning and twister frames of the ring type and to the lubrication thereof. It was customary, according to the specification, for the machine attendant in some cases to apply grease to the rings of the twister frames, "individually," while the frame was running. This was "done by stopping the spindles one at a time by means of the knee brake and wiping a small quantity of grease on to the inner surface of the ring by hand."

Lubrication of the rings in the manner described was unsatisfactory for many reasons and, as the specification further states, the patentees devised an automatic apparatus which "When the twister frame is in operation the apparatus • • • operates automatically to deliver oil in approximately predetermined quantities and at predetermined intervals to all of the rings in the ring rail of the machine." For the purpose of lubricating the rings, oil or other lubricating material was delivered from a common source, and a pump was provided with mechanism for operating the pump intermittently from the driving mechanism of the twister frame.

The patent to Stahl relates to a ring assembly, and more particularly to a ring assembly for use in the high-speed spinning and twisting of yarns, "in which the supply of lubricant to the bearing surface is so controlled that neither loss of lubricant nor soiling of the yarn will occur." A reservoir holds the main supply of oil, and a suitable baffle is provided in order that the oil in the reservoir is not disturbed by air. As described in the specification, the oil from the reservoir is forced toward the bearing of the spinning ring by a piston. The length of the piston may be adjusted by a screw provided for that purpose. It is also specified that other means may be utilized for actuating the piston, "since any other movement which regularly or intermittently depresses the piston will force the lubricant through the connecting ducts and out on to the bearing surface."

The Examiner rejected claim 1 as unpatentable over the patent to Stahl on the ground that the operation described in the patent would meet the method defined in the claim. The Examiner rejected the claim on the further ground that the patent to Boyd discloses a lubricator of a type widely used for dispensing solid lubricant, and that a turn of the screw described in the specification thereof would force some lubricant to the inner face of the ring. That step, the Examiner held, could be performed manually by the operator during reciprocation of the ring rail and would be timed with the reciprocation, thereby meeting the method defined in claim 1.

After pointing out that in a method claim the kind of lubricant employed is immaterial, the Examiner also held that only mechanical skill would be involved in substituting the pump as embodied in the disclosure of the patent to Stahl for the chamber with the screwed plug as disclosed in the patent to Boyd.

The Examiner also rejected claim 1 as unpatentable over the disclosure of the patent to Boyd in view of the disclosure of the patent to Banfield, Jr., et al. His decision on the point reads:

Banfield, Jr., et al. teaches also the operation of forcing measured quantities in timed relation to the reciprocation of the ring, since the pump is driven from the cam shaft of the builder motion. • • • From this it seems clear that any mechanic could provide means to operate the lubricator of Boyd from the machine in timed relation to the reciprocation of the ring.

Claim 2 has the additional limitation of maintaining a body of lubricant exteriorly of the ring and an unbroken column of a plastic solid lubricant from said body to the inner face of the ring. The claim was rejected by the Examiner on the ground that this feature was present in the patent to Boyd, and that the remainder of the claim was unpatentable for the reasons hereinbefore explained in the rejection of claim 1.

The Board of Appeals reviewed the grounds of rejection stated by the Examiner and found no error in his decision. Accordingly, it was affirmed. On a petition to the Board for reconsideration, an affidavit was submitted on behalf of appellant which stated that the lubricator shown in the disclosure of the patent to Boyd was inoperative and would not work with a solid lubricant. The Board held that the affidavit, at best, failed to establish inoperativeness of the Boyd device in the manner relied upon by the Examiner, and accordingly denied the petition with respect to making any change in the Board's original decision.

The plastic solid lubricant called for by the claims does not distinguish them from the grease disclosed in the patent to Banfield, Jr., et al. Furthermore, the application of such lubricant through the ring to its inner face is definitely suggested by the disclosure of the prior art as represented by the patents to Boyd and Banfield, Jr., et al.

With respect to appellant's contention that no reference of record suggests the idea of feeding a minute measured quantity of the lubricant to the inner face of the ring at timed intervals, it is only necessary to observe, as hereinbefore set forth, that in the patent of Banfield, Jr., et al., the lubricating material was automatically delivered in approximately predetermined quantities and at predetermined intervals; and that the piston disclosed in the patent to Stahl "regularly or intermittently" performs the same function and "is so controlled that neither loss of lubricant nor soiling of the yarn will occur."

As correctly pointed out by the Solicitor for the Patent Office, "Predetermining the quantity of lubricant of necessity imposes upon the operator the determination of how much lubricant to use," and that one skilled in the art and following the teachings of the process defined by the patent to Banfield, Jr., et al., may find that a little lubricant may be sufficient for the required step, if applied often enough.

[1], [2] The Solicitor concedes, as appellant contends, that ordinarily claims to a process can be anticipated only by a similar process. The Solicitor takes the position, however, and there is merit in it, that the question here in issue is not one of anticipation, but of invention over the disclosure of the prior art; that in negativing patentability of a claimed process, more than one reference may be used to show that the claimed steps are old and that no invention was involved in combining them; and that an apparatus disclosure in the prior art, with no description whatever of any process, may negative patentability of a claimed process if the inherent operation of the apparatus carried out the process.

[3] Each of the references cited by the tribunals of the Patent Office relates to an apparatus, but also discloses many steps of process in discussing means for performing the respective functions of the apparatus. In so far as those disclosed steps anticipate or suggest the steps of the process defined in the appealed claims, they constitute a valid reference with respect thereto.

A careful analysis of the evidence submitted in the record leads to the conclusion that no error was made by the Board in its disposition of the appealed claims. In view of that conclusion, it is deemed unnecessary to discuss other points to which counsel have directed their respective arguments, and the decision of the Board of Appeals is accordingly affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

THE SCHOLL MFG. CO., INC. *v.* IRVING SIMON, ETC.

No. 5527. Decided March 1, 1949

[— F.2d —; 81 USPQ 126]

1. TRADE-MARKS—OPPOSITION—AMENDMENT OF NOTICE.
Where during the taking of its testimony appellant introduced three additional registrations which it claims to be somewhat more similar to appellee's mark than that relied upon in the notice of opposition, and thereafter moved to amend the notice of opposition to conform the pleadings to the proof under Rule 15(b) of the Federal Rules of Civil Procedure, *Held* that Sec. 6 of the Trade-Mark Act of Feb. 20, 1905, as amended, precludes any amendment setting up new grounds of opposition if filed more than thirty days after publication of the mark sought to be registered.

2. APPEAL TO COURT OF CUSTOMS AND PATENT APPEALS—TRADE-MARK OPPOSITION—ISSUE.
Where appellant's motion to amend the notice of opposition raised the question that appellee was not entitled, ex parte, to registration of his mark because of confusing similarity insofar as the additional registrations set forth in the amendment were concerned, and the tribunals below ruled that appellant here was not entitled to be heard on the issue that the registration of appellee's mark should have been denied ex parte, *Held* that the issue of whether the applicant's mark should have been rejected ex parte over the opposer's registered marks is not before us on this appeal.

3. TRADE-MARKS—CONFUSION—"SOLVEX" AND "ZINDEX."
Held that as between "Solvex" and "Zindex," both applied to preparations for athlete's foot, those marks are easily distinguished, as they neither look nor sound alike, and that an intended purchaser would not confuse the names.

APPEAL from the Patent Office. Opposition No. 23,548.

AFFIRMED.

Stephen J. Cox (*Stephen G. Cox* of counsel) for The Scholl Mfg. Co., Inc.

No appearance for Irving Simon, Etc.

JOHNSON, *J.*:

This is an appeal from the decision of the Commissioner of Patents affirming the decision of the Examiner of Interferences dismissing appellant's notice of opposition to appellee's application for registration of the notation "Zindex" as applied to a foot preparation for athlete's foot, and holding that appellee was entitled to register the mark under section 5 of the Trade-Mark Act of February 20, 1905.

It is alleged in appellee's application for registration that appellee has used its mark on its goods since November 30, 1943.

In its notice of opposition, appellant alleges that it is the owner of the trade-mark "Solvex"; that it has used its mark on its goods since March, 1930, and that it would be damaged by the registration of the mark "Zindex" to appellee; that it would interfere with the rights vested in appellant; that it is deceptively and confusingly similar to appellant's mark and would cause deception and confusion of the trade and purchasing public; that it would enable the appellee to trade on and reap the benefits of the good will and reputation of appellant, and allow appellee and his dealers to pass off its goods as those of appellant and reap the harvest and benefit of appellant's costly and extensive advertising and other selling efforts; that appellee's product is an article substantially identical with appellant's said product and is of the same descriptive properties and in the same class.

Appellant also contends that the use by appellee on his labels of the words "Aid-Oil Drugs" adds to the confusing similarity which he alleges exists between the marks in issue due to appellant's use of the trade-mark "Ease-All," registered in Class 44, and that such use by appellee will cause deception to those purchasers who look at the maker's name.

Evidence was introduced by each of the parties.

In his decision, the Commissioner held, as did the Examiner of Interferences, that "when the marks are considered in their entireties, as they must be, they are so generally dissimilar that confusion in trade would not be likely to occur."

The Commissioner also held that "The two marks neither look alike, sound alike, nor have any similarity in meaning." We concur in those findings.

[1] During the taking of its testimony (depositions), the appellant introduced three additional registrations of marks which it claims to be somewhat more similar to appellee's mark than "Solvex," and gave notice that it would move to amend the notice of opposition "at or before the hearing under Rule 15(*b*) of the Federal Rules of Civil Procedure." Thereafter appellant did move to amend the notice of opposition to conform the pleadings to the proof under Rule 15(*b*) of the Federal Rules of Civil Procedure. The Examiner of Interferences denied the motion to amend, refused to consider other marks than the one originally pleaded, and excluded all evidence concerning the other marks. That ruling was affirmed by the Commissioner.

Rule 15(*b*) of the Federal Rules of Civil Procedure, 28 U. S. C. A. foll. sec. 723*c*, reads in part as follows:

Rule 15. Amended and Supplemental Pleadings

* * * * * * *

(*b*) *Amendments to Conform to the Evidence.* When issues not raised by the pleadings are tried by express or implied consent of the parties, they shall be treated in all respects as if they had been raised in the pleadings. Such amendment of the pleadings as may be necessary to cause them to conform to the evidence and to raise these issues may be made upon motion of any party at any time, even after judgment; but failure so to amend does not affect the result of the trial of these issues. * * *

Appellant contends that because appellee did not object to testimony taken by appellant regarding the marks "Zino-Pads," "Zin-Ox Pads," and "Zino," or to the notice of amendment until it came to the taking of appellant's rebuttal testimony, more than six months later; and that because appellee took testimony and introduced exhibits in answer to the testimony of appellant with respect to the marks "Zin-Ox Pads," "Zino-Pads," and "Zino." "The 'issues not raised by the pleadings' as originally filed were, therefore, 'tried by express or implied consent';" and that "Any objections which might have been made were, therefore, waived by appellee."

We do not agree with that contention. The taking of testimony and the introduction of exhibits during the taking of the testimony did not constitute a trial of the issues. The issues were tried before the Examiner of Interferences at final hearing. At the final hearing, appellee expressly objected to the proposed amendments and to the evidence relating thereto. The Examiner properly sustained those objections. Section 6 of the Trade-Mark Act of February 20, 1905, as amended, providing that "Any person who believes he would be damaged by the registration of a mark may oppose the same by filing notice of opposition, stating the grounds therefor, in the Patent Office within thirty days after the publication of the mark sought to be registered," precludes any amendment setting up new grounds of opposition if filed more than thirty days after publication of the mark sought to be registered. *Hannis Distilling Co.* v. *George W. Torrey Co.*, 32 App. D. C. 530, 141 O. G. 569. There a motion asking leave to amend the notice of opposition was filed after the thirty days allowed by statute had expired, and in affirming the decision of the Examiner and Commissioner denying the motion, the Court of Appeals of the District of Columbia, which then had jurisdiction in appeals in opposition proceedings, held: "We think the Examiner of Interferences properly denied the motion upon the following statement: 'If the amendment does not contain matter constituting new grounds of opposition, no advantage can result to the opponent from its admission, and the amendment should be denied; if it does set out new grounds of opposition, it is brought too late, and cannot be allowed.'"

The Hannis Distilling Co. case, supra, is conclusive on the point of bringing an amendment after the statutory limit has passed.

[2] Because appellant's motions to amend were denied by the Examiner, he also refused to give further consideration to the question of confusing similarity insofar as the notations "Zino," "Zin-Ox Pads," and "Zino-Pads" were concerned. Appellant, in his appeal to the Commissioner, assigned as error the refusal of the Examiner to consider those marks and determine without reference to the precise issues raised by the pleadings that applicant was not entitled, ex parte, to registration of his mark. The Commissioner held that opposer was not entitled to be heard on evidence in support of grounds not specifically pleaded, citing *Goldsmith Brothers* v. *Atlas Supply Co.*, 32 CCPA (Patents) 1001, 148 F.2d 1016, 65 USPQ 378, 577 O. G. 312. In that case, appellee-applicant's mark "Coldex" was held not to be confusingly similar to appellant-opposer's mark "Goldex." Appellee-applicant sought registration of "Coldex" as applied to an automobile antifreeze compound, whereas appellant-opposer's mark "Goldex" had been registered for use on chemicals, medicines, and pharmaceutical preparations, and toilet preparations. The opposer introduced evidence of the use of his mark "Goldex" on a can of motor oil and a can of polishing wax, and urged that in the natural extension of its business (that of a mercantile establishment operating a store with a drug department and a department for automobile accessories) it should be able to apply its mark to an antifreeze preparation of its own. One of the registrations introduced in evidence by opposer there concerned the use of its mark in the sale of pure glycerin and rubbing alcohol, but this court rejected opposer's contention that its glycerin and alcohol were goods of the same descriptive properties as applicant's antifreeze, holding that opposer's registration was restricted in scope to pharmaceuticals. The court then held that the extension of the opposer's mark from pharmaceuticals into antifreeze would be an extension into an unrelated field, citing *Pratt & Lambert, Inc.* v. *Chapman & Rodgers, Inc.*, 30 CCPA (Patents) 1228, 136 F.2d 909, 58 USPQ 474, 556 O. G. 720, where this court held that a liberal interpretation of the "merchandise of the same descriptive properties" language of section 5 of the Trade-Mark Act of February 20, 1905, would not permit a holding that paints and varnishes, etc. possess the same descriptive properties as insecticides and medicinal preparations. In the Goldsmith case, supra, this court held, as quoted by the Commissioner in justification of his position that appellant here was not entitled to be heard on the issue that the registration of appellee's mark should have been denied ex parte, that

* * *. Since appellant did not plead the use of its mark on motor oil or its registration for polishing wax that might be used on automobiles, the evidence with respect thereto cannot be deemed pertinent to the issue and the Examiner of Interferences and Commissioner of Patents properly refused to consider it. * * *. If appellant intended to rely upon its registered mark as applied to polishing wax it should have pleaded it the same as it did others.

The Commissioner stated in his opinion that although he considered appellant not entitled to be heard on the issue, he had given careful consideration of appellant's contention that the opposed application should be refused registration ex parte.

The issue of whether the applicant's mark should have been rejected ex parte over the opposer's registered marks "Zino," "Zin-Ox Pads," and "Zino-Pads" is not before us on this appeal.

As between "Solvex" and "Zindex," both applied to preparations for athlete's foot, those marks are easily distinguished, as they neither look nor sound alike. Appellant argues, through his witness in the record, and before us in his brief, that the trade does not buy his products by the manufacturer's name, "Dr. Scholl's," but by the trade-mark under which the product is advertised and sold. It fol-

lows then that an intended purchaser of an athlete's foot preparation would not become so confused in asking for "Solvex" that he would say "Zindex" or any name similar in sound; nor if "Zindex" were offered to him by a clerk, through error or otherwise, would a purchaser intending to buy "Solvex" be persuaded that "Zindex" is so similar in appearance and sound that he must have confused the names.

The pertinent portion of section 5 of the Trade-Mark Act of February 20, 1905, reads:

That no mark by which the goods of the owner of the mark may be distinguished from other goods of the same class shall be refused registration as a trade-mark on account of the nature of such mark • • •

• • • • • • • • •

(b) • • • Provided, That trade-marks • • • which so nearly resemble a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers shall not be registered: • • •

The essential elements of the proviso are: (1) trade-marks which so nearly resemble a known trade-mark; (2) used on merchandise of the same descriptive properties; (3) as to be likely to cause confusion in the mind of a purchaser or the public generally. All three elements must be present before bringing the proviso into operation in a particular case.

Finally, with regard to appellant's contentions respecting applicant's use of "Aid-Oil" on its "Zindex" label, and appellant's trade-mark "Ease-All," it is sufficient to point out that the record discloses that "Ease-All" is the trade-mark for an orthopedic device and does not appear on the label of any of the appellant's products here in issue. The similarity thought to exist by appellant between "Aid-Oil" and "Ease-All" as elements tending to cause confusion in trade, for that reason merits no further consideration.

The decision of the Commissioner of Patents dismissing the opposition is affirmed.

AFFIRMED.

HATFIELD, *J.*, dissents.

NOTICES

Attorney Representing Different Parties in Interference

In carrying out the provisions of Rule 208, Examiners, when forwarding interference notices and statements to the Examiners of Interferences, will call their attention to cases in which two of the parties are represented by the same attorney, in lieu of calling the matter directly to the attention of the Commissioner. The Examiner of Interferences when mailing out the notices to the parties and their attorney will advise the parties and the attorney that the attorney will not be recognized further as representing either party in the interference or in the interfering cases unless he shows that he is entitled to continue to represent either or both parties as provided by Rule 208. The Examiner of Interferences will also call to the attention of the parties and the attorney the requirement of the second sentence of Rule 201(c).

LAWRENCE C. KINGSLAND,
April 14, 1949. *Commissioner of Patents.*

Erratum

In the notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 257,074, appearing in the OFFICIAL GAZETTE of Mar. 1, 1949, page 118, for "Registered May 28, 1939" read *Registered May 28, 1929.*

Adjudicated Patents

(D. C. Okla.) Fletcher Patent No. 1,856,627, for a cutter for earth boring drills, *Held* valid. *Hughes Tool Co.* v. *Williams*, 82 F. Supp. 408; 80 USPQ 423.

(D. C. Okla.) Scott et al. Patent No. 1,983,316, for a three-cone bit, *Held* valid. *Hughes Tool Co.* v. *Williams*, 82 F. Supp. 408; 80 USPQ 423.

Cancellation Notice

R. Evelyn Poole, her assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Rare Chemicals, Inc., First and Essex Sts. Harrison, N. J., to effect the cancellation of trade-mark registration of R. Evelyn Poole, 1227 Trenton St., Los Angeles, Calif., No. 336,921, dated July 21, 1936, and the notice of such proceeding sent by registered mail to the said R. Evelyn Poole at the said address having been returned by the post office undeliverable, notice is hereby given that unless said R. Evelyn Poole, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
April 1, 1949. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,416,352. CARGO HANDLING DEVICE. Patented Feb. 25, 1947. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A cargo-handling boom which may be adjusted to various angular positions on overhead tracks to reach into any adjacent corner of a ship's hold to load and unload cargo. Several trolley carriages are mounted at spaced points on L-shaped overhead tracks. Each of the carriages has a downwardly extending boom which carries a trolley hoist. Each of the trolleys is swiveled in such a manner as to permit each of the carriages to travel independently of the others. (Owner) Edgar C. Seward, 702 South Arlington Mill Drive, Arlington, Va. Group 35—31. Reg. No. 19,417.

Pat. 2,447,542. MATERIAL HANDLING PALLET. Patented Aug. 24, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Nestable pallet or skid for use in the cargo loading operations of ships is stamped of sheet metal to provide spaced parallel corrugations which act as supporting ribs and downwardly converging sides. The ribs support a raised platform so that the forks of a lift truck may be inserted between the ribs of the pallet. Transverse inverted parallel channels are also provided on the underside of the pallet to receive the forks of a lift truck, enabling the pallet to be lifted by the truck in any direction of approach. (Owner) Edgar C. Seward, 702 South Arlington Mill Drive, Arlington, Va. Group 35—31. Reg. No. 19,418.

Pat. 2,451,983. FLUID ACTUATED PISTON DISTRIBUTING VALVE WITH FLUID ACTUATED PISTON PILOT VALVE FOR EXPANSIBLE CHAMBER MOTORS. Patented Oct. 19, 1948. Casing of this hydraulic reversing valve is bored to receive a pair of reciprocating pistons. Fluid is directed independently through either of two elongated slots in one of the pistons and through the recesses on the surface of the other piston. Ports in each of the bores are alternately communicable with the slots and recesses of the pistons during reciprocation. Several passages in the casing connect opposite ends of each of the bores with one another and also lead to the inlets and outlets of the casing. By reason of its construction damage is reduced to a minimum in that once a predetermined pressure is reached the valve automatically reverses and continues in operation. The valve is adaptable for operating shaker screens, shapers, presses, washing machines, etc. (Co-owner) Edgar C. Seward, 702 South Arlington Mill Drive, Arlington, Va. Group 35—69. Reg. No. 19,419.

Pat. 2,457,506. SAFETY PROD. Patented Dec. 28, 1948. Pencil type safety prod for testing radio or other closely wired circuits is provided with a plastic insulating sleeve which is normally slidably retained within the barrel. The sleeve may be slid by the fingers to extended position so that only a small fraction of the tip of the prod is exposed. This eliminates the danger of damaging the circuits or test meter with which the prod is being used. A flat spring retains the sleeve in retracted or adjusted position. (Owner) Steffen H. Sorensen, 508 East 78th St., New York 21, N. Y. Groups 36—13; 39—81. Reg. No. 19,420.

Pat. 2,455,563. TYPEWRITER CARRIAGE RETRACTOR DEVICE. Patented Dec. 7, 1948. An attachment for typewriters to retract the carriage and operate the spacing lever is attached to side of keyboard frame. A lever extends below the frame parallel with keyboard. A knob at end of lever rests between two of the keys. The other portion of lever extends upwardly above the spacing lever and forms a shaft. A spool mounted on the shaft rests against a standard on the shifting lever as the carriage travels across the machine. When a typed line is completed, typist presses the knob, whereupon the spool will push against the standard and retract the carriage and roll. At the same time the spacing lever revolves the paper one space. Modifications given in patent. (Owner) Silas R. Dague, 1357 South Broadway, Wichita, Kans. Group 35—72. Reg. No. 10,421.

Pat. 2,387,087. TRUCK SELF-LOADER ATTACHMENT. Patented Oct. 23, 1945. Truck is backed for attachment into a frame having parallel triangular sides. Frame carries a rake, shovel, or toothed scoop at its rear end, and at its front end has a detachable pivotal latching connection with the truck. Truck is backed to fill shovel, and rear end of frame is then raised by lifting means powered by a take-off from truck motor and is pivoted upward to dump load into truck. Lifting means consists of a universally connected power take-off with a shaft leading to a drive pinion at front of truck, and a beveled gear on a rotatable drum. Drum, pivotally mounted at front of truck, has a cable leading upward to a cross piece fastened to uprights of frame. A lever controls the power-take-off, and a connection to the brake lever of truck controls movement of frame. (Owners) Joseph Egg and Stanley Smith, Bend, Oreg. Groups 35—31; 38—11. Reg. No. 19,422.

Pat. 2,453,943. TRUCK LOADING MEANS. Patented Nov. 16, 1948. A frame is pivotally mounted on a truck to swing in a vertical plane. A scoop at rear of frame has a series of teeth with a removable cover for the teeth so it may be used as a fork or as a scoop. Spaced pins on either side of scoop limit the movement of a pivotally attached handle. The handle is fastened to a cable attached to a drum at front of truck. (See Pat. 2,387,087, Reg. No. 19,422.) The scoop end of the frame is elevated as the cable is wound on the drum. A spring latch on one of the diagonal main frame members engages a pin at side of scoop and limits normal tilting of scoop. As the frame is raised, the latch is released and the scoop is raised above the truck. An auxiliary U-shaped scoop-positioning frame on rollers is hinged to the main frame and contacts the ground when the device is lowered. (Owners) Joseph Egg and Stanley Smith, Bend, Oreg. Groups 35—31; 38—11. Reg. No. 19,423.

Pat. 2,317,936. APPARATUS FOR CUTTING OR FLAME-MACHINING METAL. Patented Apr. 27, 1943. This patent provides apparatus whereby the time required for starting thermochemical metal removing and cutting operations is substantially reduced. A fusible metal rod is directed into a pre-heating flame and a jet of oxygen in such a manner that, upon melting, a molten globule will be blown

toward and deposited upon the surface of the work at the starting point. Several modified forms of apparatus are shown. (Owner) The Linde Air Products Company, 30 East 42nd St., New York 17, N. Y. Group 35—42—43. Reg. No. 19,424.

Pat. 2,451,422. THERMOCHEMICAL REMOVAL OF METAL WITH A FLUX-FORMING POWDER IN THE OXYGEN CUTTING STREAM. Patented Oct. 12, 1948. This patent relates to methods and apparatus whereby metal may be thermochemically removed from metal bodies or alloys of the type which resist or are substantially immune to progressive oxidation by conventional thermochemical metal-removing procedure where only a pre-heating flame and a jet of oxygen are used. The metal is removed by steadily advancing a pre-heating flame and an oxygen jet progressively and concurrently against successive areas of such immune body, while concurrently and continuously introducing a stream of finely divided combustible adjuvant material into the zone of action so as to oxidize constituents of the metal body and produce reaction products sufficiently fluid to be expelled by the oxygen jet. The adjuvant material may be brought into the zone of action in close association with the oxygen jet in any suitable manner, either inside a blowpipe nozzle or just outside the nozzle as the jet emerges. Various methods, numerous kinds of adjuvant materials, and modified forms of blowpipe nozzles are set forth for carrying out various operations, such as cutting, de-seaming, de-surfacing, etc. (Owner) The Linde Air Products Company, 30 East 42nd St., New York 17, N. Y. Group 35—42—43. Reg. No. 19,425.

Pat. 2,222,397. STABILIZING SUSPENSION SYSTEM FOR MOTOR-DRIVEN VEHICLES. Patented Nov. 19, 1940. This patent shows resilient shackle means interposed between a chassis frame and the axles, or between the axles and a body which has been reinforced in such manner as to dispense with the usual chassis frame. Each shackle means consists of a transverse shackle link having its outer end pivotally connected to an upwardly curved arm of axle housing, and its inner end pivotally connected to a depending lug of chassis frame. A downwardly extending eye-bolt is pivoted to the center of the shackle link with lower end of bolt slidably retained in an opening in a horizontal bracket of axle housing. Helical springs surround the bolt above and below the bracket to resist up and down movements of bolt and shackle link relative to axle. If desired, double shackle means may be employed, depending upon load to be carried, etc. (Owner) Amel Ben Brolueka, 2208 Fairview Ave., Detroit 14, Mich. Group 38—11—31—41. Reg. No. 19,426.

The following ten patents relate to the use of waste farm products and to the promotion of plant growth through preparation and improvement of soil. (Owner) Albert C. Fischer, 6051 West 65th St., Chicago 38, Ill.

Pat. 2,243,857. FIBER ARTICLES, SUCH AS MATS AND THE LIKE. Patented June 3, 1941. Straw, corn stalks, and other waste farm products are compacted into mats which may be used for many purposes such as protective covering for hotbeds, bedding for animals and poultry, wall insulation, and a moisture-preserving overlay for freshly poured concrete. In fabricating the mats, fiber is compacted between spaced walls of the forming machine to thoroughly interlace the fibers. The sheets are made cohesive by the addition of clay, adhesive binding, or by stitching, depending upon the intended purpose. They may also be coated with fertilizer, insecticide, lime, etc. Groups 22—62; 25—91; 28—33—72. Reg. No. 19,427.

Pat. 2,446,644. METHOD AND APPARATUS FOR COMPACTING FIBROUS MATERIAL. Patented Aug. 10, 1948. Reg. No. 19,428.

Pat. 2,257,738. COMPACTING APPARATUS AND METHOD. Patented Oct. 7, 1941. Reg. No. 19,429.

These two patents provide apparatus for making fiber mats covered by Pat. 2,243,857 (Reg. No. 19,427). Basically, the apparatus is a combination of compacting, sewing, adhesive applying, and drying machines. Straw and clay, or a similar mixture, is fed into a hopper formed by two wide conveyer belts to a channel having a cross section of the desired product being formed. The channel includes a reciprocating plunger, the front end of which has a number of pegs, which nest or interlace the fibrous mixture. Several rows of parallel stitches are simultaneously sewed into the interlaced material, which is then kneaded; an adhesive, fertilizer, insecticide, etc., are applied by spray guns; and the whole is finally passed through a steam-heated dryer. Groups 25—91; 28—33—72; 35—59.

Pat. 2,281,927. SEED TAPE. Patented MAY 5, 1942. To insure planting seeds at their proper depth, seeds are secured to a tape with a water-soluble colloidal material. The tapes are perforated at equal distances and the seed supported in the perforation by a gelatin film. In planting, the tape is embedded edgewise so that the top is even with surface of soil. Group 28—33—72—94. Reg. No. 19,430.

Pat. 2,313,057. SEED PLANTING, SEED INOCULATION, AND FERTILIZER. Patented MAR. 9, 1943. Seed is nourished during successive stages of its growth by coating the seed with a moisture-soluble colloidal material such as agar-agar, gelatin, etc. The coating also contains small amounts of growth-facilitating substances such as fertilizer and mulch, and an insecticide if necessary, all of which are embedded within a colloidal shell. Modifications are shown. Group 28—33—72—94. Reg. No. 19,431.

Pat. 2,314,928. PROMOTING RESTORATION OF TRANSPLANTED PLANTS. Patented MAR. 30, 1943. Non-drying colloids are applied as thin, jelly-like protecting jackets to the roots of shrubs, trees, vines, etc., being transplanted. The colloids are hygroscopic, absorbing moisture from the air or soil, thus preventing the drying out of plant roots so that plants are quickly reestablished in their new location without harmful effects. As a further aid, coatings of insecticides, repellents, and fertilizers may also be applied. Group 28—33—72—94. Reg. No. 19,432.

Pat. 2,315,949. FERTILIZING BY CARTRIDGES. Patented APR. 6, 1943. Paper or similar sheet material covered with a fertilizer or any other desired soil-treating media is rolled into a self-sustaining cartridge. The diameter of the cartridge depends upon the number of turns in the roll. The cartridge fits the hole snugly to maintain good capillary contact between the roll, soil, and roots of the plant. Groups 26—69; 28—33—72—94. Reg. No. 19,433.

Pat. 2,338,103. GELATINIZED SEED BEARING CORD. Patented Jan. 4, 1944. Seeds are embedded at intervals in a moisture gathering colloidal material deposited as a jacket on cord which acts as a carrier. The seeds are fed by means of the colloidal jacket, which may incorporate a plant food. Preferably, however, the plant food is added as a further coating along with an insecticide or parasite repellent. Group 28—33—72. Reg. No. 19,434.

Pat. 2,351,256. METHOD OF FERTILIZER DISTRIBUTION. Patented June 13, 1944. The growth of plants may be improved by preparing the seed bed as follows: The bed is dug to any desired depth, clay is laid at the bottom, and a sheet incorporating plant food, etc., is laid midway so that it divides the seed bed into an upper growing layer of soil and a lower moisture retaining layer. Plants are then set out in the upper layer so that their roots are in the vicinity of the fertilizing sheet. Group 28—33—72. Reg. No. 19,435.

Pat. 2,446,509. PLANT COVER. Patented Aug. 3, 1948. Translucent porous cap, bag, envelope, or other type of cover for small fruit bushes and other plants for use during certain periods of growth. The cover may be coated on the inside with a parasiticide, fertiliser, moisture supplying substance, etc., to rid the plant of insects and fungi, or to assist pollinization, ripening of fruit, etc. Groups 26—82; 28—33—72. Reg. No. 19,436.

Pat. 2,450,469. RADIUS TOOL. Patented Oct. 5, 1948. Tool and holder for use in lathes, shapers, planers, or other machine tools cuts radii of different sizes. Rectangular shaft, mounted in post of machine tool, has a transversely extending cylindrical bearing arranged so that opposite ends are at different levels of the shank. A cutting bit may be set in various positions by a hand lever mounted in a transverse opening of the shaft. The shaft is reversible in one of the bearings to locate the cutting bit at different levels with respect to the shank. The hand lever is used to turn the shaft in the bearing to swing the free end of the bit in an arc during the cutting operation. (Owner) Anthony E. DeMartin, 22 New Haven Ave., Derby, Conn. Group 35—41. Reg. No. 19,437.

Pat. 2,455,213. TOWEL RACK. Patented Nov. 30, 1948. A vertically adjustable towel rack, slidable in a supporting bracket, provides easy access for hanging and removing towels and is raised out of reach when not in use. Any number of pivoted towel-supporting arms may be secured to the top of a vertical rod. A bracket, formed of sheet metal, has upper and lower right-angled ends containing slot openings through which the rod is raised or lowered by turning a bent handle at lower end of rod. When rod is in lowered position, the supporting arms rest on bracket. When raised, the handle passess through lower slot and is supported in fingers at end of bracket. (Owner) Thomas W. Bell, Apt. 5, 1424 Chapin St., N. W., Washington, D. C. Groups 25—11—99; 34—95; 39—81. Reg. No. 19,438.

Pat. 2,454,393. MILES-PER-GALLON METER. Patented Nov. 23, 1948. Dash-mounted indicator is adapted to any type of vehicle. Basically, the indicator utilizes a pair of individually movable cams, one of which is actuated in accordance with the power output of the engine or by the speed of the crank shaft or axle. The other is moved in accordance with the rate of fuel flow. The motion of the cams is integrated to indicate a ratio by a pointer structurally related to the cams and moving in response to the movement of both cams. The cams are preferably associated with bi-metallic actuators operated by heating coils under the control of a fluid flow meter and a speedometer. (Owner) Charles A. Leonard, 509 Larkhill Court, Webster Groves 19, Mo. Group 38—31. Reg. No. 19,439.

Pat. 2,454,659. ELECTRICALLY CONTROLLED GOVERNOR. Patented Nov. 23, 1948. Control system connected with butterfly valve of an engine intake manifold. The valve is opened or closed by an electrically actuated link to shorten or lengthen the valve rod in accordance with impulse from the control system. Connected to the link is a bi-metal strip having a thermal switch and a movable contact which engages one or more stationary contacts. Heating of the strip is through a pulsating current obtained from a transformer whose secondary is connected to the heating unit of the strip and whose primary is connected to a battery of the vehicle through a rotating commutator. Rotation of the commutator and heating of the strip are dependent on the speed of the vehicle engine to close the valve when engine speed is too great or to open the valve when speed is too low. (Owner) Charles A. Leonard, 509 Larkhill Court, Webster Groves 19, Mo. Group 38—31. Reg. No. 19,440.

Pat. 2,449,762. CHANCE SPINNER DEVICE. Patented Sept. 21, 1948. Board depicting a baseball diamond has sockets on field and around its edges to receive pegs to indicate players, strikes, hits, outs, etc. An upright U-shaped frame mounted at rear end of board has a top horizontal shaft on which the hubs of four vertical rods are rotatably mounted. Balls of different color are slidably retained on the rods on opposite sides of the hubs by fixed balls on opposite ends of rods. An inverted U-shaped rocker swingably mounted within the lower end of the frame is connected to a cord. To play game, cord is pulled toward player to pivot rocker in front of the rods and tension a spring. When cord is released, rocker strikes the fixed balls on lower ends of the rods, causing rods to spin freely. When spinning ceases, the rods stop vertically aligned. Player then notes color of the slidable balls above the hubs, consults a tally chart, and places a pin (or pins) in appropriate socket. Various types of rockers are shown. (Owner) John H. Biehl, 1017 Belmont Ave., Collingswood, N. J. Group 39—41. Reg. No. 19,441.

Pat. 2,456,873. DISPENSER FOR TOOTH POWDER AND THE LIKE. Patented Dec. 21, 1948. A container for powdered materials which will dispense a measured quantity of the powder onto a brush. The container has a hopper for the powder and a measuring chamber at lower end controlled by slidable closure plates. Rods attached to the plates pass through the container wall and are attached to an actuating lever. The upper plate is normally held open by a coiled spring, and powder from the hopper fills the measuring chamber. By moving the lever the upper plate is closed and the lower plate opened to dispense powder. Yokes carried by the plates project upwardly and scrape the hopper and measuring chamber walls as the device operates. (Owner) Richard W. Hopkins, 251 River St., Troy, N. Y. Groups 33—31; 39—81; 40. Reg. No. 19,442.

Pat. 2,456,852. POWER-OPERATED FENCE POST DRIVER. Patented Dec. 21, 1948. A fence postdriving apparatus to be mounted on the rear of a motor-driven vehicle. An arm with a cup-shaped end is pivoted to one side of a supporting frame. The arm is lowered by a pulley connected to a winch supported by the frame. The winch is driven by a power-take-off of the vehicle to engage and drive the posts as the vehicle is moved along a fence. A spring-operated pulley, also attached to the arm and to the frame, raises the arm following completition of each stroke. (Owner) C. N. Anderson, 1601 East Central Ave., Northwood, Iowa. Group 35—22. Reg. No. 19,443.

Pat. 2,088,981. INTERNAL COMBUSTION ENGINE. Patented July 13, 1937. An overhead valve type internal combustion engine has a piston constructiou stated to increase efficiency and insure high compression of the fuel charge. A semi-circular projection, with a beveled face, on the piston rides into the combustion chamber close to the intake valve. The gases are highly compressed and agitation created in the combustion chamber under the exhaust valve and spark plug. The projection is at right angles to a wrist pin and crankshaft, and the piston will not tilt on the pin when the charge is fired. When the plug fires, explosion of the charge is insured. (Owner) Harry Klug, 3154 North 44th St., Milwaukee, Wis. Groups 35—19; 37—22; 38—31. Reg. No. 19,444.

Pat. 2,282,076. WHIRLING SOUND DRUM TOY. Patented May 5, 1942. A drum-shaped toy produces a magnified sound effect when whirled by a strand about a whirling handle. Drum is hollowed out in a conical series of cylinders intersected by shoulders (like steps) forming sound

chambers. A perforated fiber piece seals bottom head of drum. A vibratory disk secured to shoulder of lowest step forms a sound chamber to emit sound impulses. A double strand fastened to vibratory disk extends up through a vent aperture in top of uppermost cylinder and is looped around grooved end of whirling handle. When toy is whirled, sound impulses are carried through series of sound chambers and emitted through aperture at top. (Co-owner) Edmund J. Moddes, 7800 26th Ave., Kenosha, Wis. Group 39—41. Reg. No. 19,445.

Pat. 2,454,721. POULTRY FEEDER. Patented Nov. 23, 1948. A poultry feeder convertible for indoor or outdoor use has a bin with a fixed end, side walls, and feeding troughs. When adjusted for outdoor use, a panel hinged to each side wall slopes downward and acts as wide overhanging eave to protect the feed troughs. When used indoors, the panel can be shifted to an upright extended position beyond the upper edge of the wall. Surplus feed may be stored in this upward extension. The bin is mounted on vertically adjustable skids to suit the changing heights of growing birds. (Owners) Vernon Severance and Charles L. Severance, Akron, Mich. Groups 25—99; 34—41. Reg. No. 19,446.

Notice

Pat. 2,155,295. (Reg. No. 19,260). After April 18, 1949, all correspondence in reference to the granting of licenses under this patent should be directed to Bartow Beacons, Inc., Wings Field, Montgomery County, Blue Bell, Pa.

Correction

E. R. Squibb & Sons, of New York, N. Y., being desirous that the following invention shall be freely and unrestrictedly available to the public, hereby dedicates and assigns said patent to the people of the United States, without recompense. "The consideration for this dedication and assignment is such benefit as the public may derive."

Pat. 2,461,278. STANDARDIZATION OF THERAPEUTIC CURARE PREPARATIONS. Patented Feb. 8, 1949. A method of producing stable curare preparations for therapeutic use. Potency of various aqueous solutions is determined by intravenously injecting laboratory animals with test or standard samples to produce temporary paralysis of the skeletal muscles. On the successive day those animals injected with the test sample are injected with the standard sample, and vice versa. Preparations of the desired activity are then made in accordance with results. Group 28—31.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 3, 1949

[VOL. 622. NO. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 509,127. AMERICAN LATEX PRODUCTS CORPORATION, Los Angeles, Calif. Filed Sept. 16, 1946.

MOLTEX

FOR FOAM RUBBER MATERIAL, IN SHEET AND BLOCK FORM FOR USE IN THE MANUFACTURE OF VARIOUS ARTICLES OF MERCHANDISE.

Claims use since February 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 516,036. ERNST ROSE, San Francisco, Calif. Filed Jan. 20, 1947.

SHOWERETTES

FOR SCENTED AND TINTED SOAP PELLETS.

Claims use since Jan. 8, 1947.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 520,403. JEAN-PASCAL LORRIAUX & CIE., Paris, Seine, France. Filed Apr. 9, 1947.



The name "Pascal" and the sur-name "Lorriaux" are disclaimed apart from the mark.

FOR PERFUMES.

Claims use since Jan. 17, 1942.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 525,240. B. PEARLMAN & COMPANY LIMITED, London, England. Filed June 30, 1947.

POLO

The applicant is owner of Reg. No. 421,182, issued May 21, 1946.

FOR PYROPHORIC CIGAR AND CIGARETTE LIGHTERS AND PARTS THEREOF.

Claims use since Oct. 12, 1932.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 505,537. UNIT STRUCTURES, INC., Peshtigo, Wis. Filed July 12, 1946.



FOR LAMINATED WOOD ARCHES FOR BUILDING CONSTRUCTION AND PREFABRICATED HOUSES MADE OF WOOD.

Claims use since January 1942.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 517,716. Morris L. Fruman, Detroit, Mich. Filed Feb. 18, 1947.

Emesco

FOR HANDLE PINS AND CLIPS FOR TRUNK AND DOOR HANDLES; DOOR AND TRUNK HANDLE FERRULES; SCREWS; NUTS; AND BOLTS MADE OF BASE METAL.
Claims use since January 1940.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 511,054. Samuel F. Woodhouse Company, Philadelphia, Pa. Filed Oct. 17, 1946. Under 10-year proviso.

Woodhouse

FOR INTERIOR AND EXTERIOR PAINTS, VARNISHES, AND PAINT ENAMELS.
Claims use since 1876.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 523,017. Electro Engineering & Mfg. Co., Detroit, Mich. Filed May 26, 1947.

MAGNA-TELE

FOR COMBINED INDUCTIVE PICKUP, CRADLE SUPPORT, AMPLIFIER AND SOUND REPRODUCING UNIT CONSTITUTING A STAND CONFORMING IN CONTOUR AND SIZE WITH THE BASE OF A CRADLE TYPE HAND TELEPHONE SET, TELEPHONE, AND ADAPTED TO BE INSERTED BENEATH THE BASE OF THE CRADLE TYPE TELEPHONE AND TO SUPPORT IN THE CRADLE SUPPORT THEREOF THE HAND TELEPHONE SET IN REVERSE POSITION WHILE THE INDUCTIVE PICKUP ESTABLISHES MAGNETIC COUPLING WITH THE TELEPHONE CIRCUIT FOR ENABLING THE UNIT TO PICK UP, AMPLIFY AND REPRODUCE TELEPHONE SIGNALS THROUGH THE SOUND REPRODUCING UNIT WHILE THE HAND TELEPHONE SET SUPPORTED IN REVERSE POSITION IN THE CRADLE SUPPORT OF SAID UNIT FUNCTIONS IN NORMAL MANNER.
Claims use since Apr. 5, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 490,097. Carl F. Bauer, Fort. Worth, Tex. Filed Oct. 18, 1945.

ZATOMICZ
ZTWIRLING TOYZ

The words "Twirling Toy" are disclaimed apart from the mark.
FOR TOYS COMPRISING A SPIRAL ROD HAVING A TWIRLABLE OR SPINNABLE PROPELLER THEREON.
Claims use since Sept. 1, 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 518,947. Garley, Inc., New York, N. Y. Filed Mar. 13, 1947.

GARLEY

FOR WATCHES AND CLOCKS.
Claims use since Feb. 3, 1947.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 519,339. King Refrigerator Corporation, Brooklyn, N. Y. Filed Mar. 20, 1947.

King
WORTH ITS WEIGHT IN COLD

No claim is made to the word "Cold" apart from the mark as shown.
FOR ICE REFRIGERATORS FOR USE IN THE HOME.
Claims use since 1933 as to "King" portion; and since 1938 as shown.

CLASS 37

PAPER AND STATIONERY

Ser. No. 511,252. Tavenner & Fricke, Los Angeles, Calif. Filed Oct. 21, 1946.

Tif

FOR PAPER COCKTAIL NAPKINS, PAPER NAPKINS, SHELF PAPER, AND PAPER COOKING PARCHMENT.
Claims use since May 1941.

CLASS 39

CLOTHING

Ser. No. 507,375. Cohan & Roth, Incorporated, New York, N. Y. Filed Aug. 14, 1946.

Trojanott

FOR NECKTIES, CRAVATS, AND SCARFS.
Claims use since Aug. 7, 1946.

Ser. No. 507,797. Marcus Breier's Sons, New York, N. Y. Filed Aug. 22, 1946.

NorTherm

FOR MEN'S, WOMEN'S, AND BOYS' WEARING APAREL—NAMELY, RAIN COATS, GOLF JACKETS, SKI JACKETS, SPORTS JACKETS, LEATHER AND SHEEPSKIN COATS, OVERCOATS, SWEATERS, MACKINAWS, SKI PANTS, SPORTS PANTS, SWIMMING TRUNKS, HATS.
Claims use since Aug. 8, 1945.

Ser. No. 511,668. Blue Buckle Overall Company, Inc., Lynchburg, Va., now by change of name Universal Overall Company, Incorporated, a corporation of Virginia, assignor to Blue Ridge Manufacturers, Inc., Lynchburg, Va., a corporation of Virginia. Filed Oct. 29, 1946.

Dixie Doode

FOR OVERALLS, COATS, DUNGAREES, WORK PANTS, WORK SHIRTS, AND ONE-PIECE WORK SUITS.
Claims use since June 23, 1938.

Ser. No. 518,156. Best Mills Co., Inc., Philadelphia, Pa. Filed Nov. 25, 1946.

HARBOR BEACH

FOR MEN'S, BOYS', LADIES', GIRLS', AND JUVENILE SHIRTS, PLAYSHORTS, SWIM TRUNKS, SLACKS, SLACK SUITS, BEACH COATS, OVERALLS, SWEATERS, JACKETS, BATH ROBES, BATHING SUITS, AND PLAYSUITS.
Claims use since Oct. 1, 1946.

Ser. No. 518,883. H. Fishman & Son, Philadelphia, Pa. Filed Mar. 12, 1947.

Hi-Shirt

The word "Shirt" is disclaimed.
FOR MEN'S OUTER SHIRTS.
Claims use since Feb. 28, 1947.

Ser. No. 518,921. Stevens Hat Company, St. Joseph, Mo. Filed Mar. 12, 1947.

STEVENS
Rocket

No claim is made to the surname "Stevens" apart from the mark shown on the drawing.
FOR MEN'S AND BOYS' HATS AND CAPS.
Claims use since Jan. 15, 1946.

Ser. No. 521,846. Bacon-Scott Company, Inc., New York, N. Y. Filed May 5, 1947.

Rambler

FOR HOSIERY.
Claims use since Nov. 5, 1925.

Ser. No. 522,652. SPERSER COMPANY, Philadelphia, Pa. Filed May 19, 1947.

DOREL

FOR APRONS, MAKE-UP CAPES, AND SHOWER CAPS COMPOSED OF PLASTIC FILM.
Claims use since March 1946.

Ser. No. 525,944. PHILLIPS-JONES CORPORATION, New York, N. Y. Filed July 3, 1947.

YAWNING STRIPES

The word "Stripes" is disclaimed apart from the mark as shown.
FOR MEN'S PAJAMAS.
Claims use since Apr. 15, 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 522,411. POMMROCK BOTTLING CORP., New York, N. Y. Filed May 15, 1947.

POMMROCK

FOR NONALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS, AND EXTRACTS FOR MAKING SAME.
Claims use since Apr. 1, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 501,110. CHARLES D. BARNES, WILHELMINA B. BARNES, AND ALTHEA C. BARNES, co-administrators of the estate of Wilhelmina L. Barnes, deceased, doing business as C. C. Barnes Ranch, Ontario, Calif. Filed Apr. 29, 1946.

Lo-Cala

FOR FRESH PEACHES.
Claims use since Spring of 1939.

Ser. No. 506,874. HOE & Co. (1931) LIMITED, Stretford, England. Filed Aug. 5, 1946. Under 10-year proviso.

HOE'S

FOR CHUTNEYS, FOOD SAUCES USED ON MEATS, FISH, AND POULTRY, KETCHUP, PICKLES, RASPBERRY VINEGAR, BLACKBERRY VINEGAR, FRUIT PRESERVES, MARMALADES, BROWNINGS (FOR MAKING AND COLORING GRAVIES).
Claims use since 1854.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 513,442. MONARCH LEATHER COMPANY, Chicago, Ill. Filed Jan. 22, 1948; originally filed, act of 1905, Nov. 29, 1946.

BORDEAUX

FOR LEATHER.
Claims use since Mar. 19, 1921.

Ser. No. 537,740. SELECTRONIC DISPERSIONS, INC., Montclair, N. J. Filed Oct. 13, 1947.

KOTAPHANE

FOR THERMOPLASTIC MATERIALS OF THE GROUP OF SYNTHETIC RESINS, CELLULOSE DERIVATIVES, AND COMBINATIONS THEREOF, IN FILM OR FOIL FORM, USED FOR PACKAGING, INDUSTRIAL FINISHING, AND RELATED ARTS.
Claims use since Sept. 30, 1947.

Ser. No. 538,703. AMERICAN COLLOID COMPANY, Chicago, Ill. Filed Oct. 23, 1947.

SPERSER VOLCLAY

Applicant claims ownership of Registration No. 273,457.
FOR CLAYS—NAMELY, BENTONITE.
Claims use since Oct. 23, 1944.

Ser. No. 538,704. AMERICAN COLLOID COMPANY, Chicago, Ill. Filed Oct. 23, 1947.

MX VOLCLAY 80

Applicant claims ownership of Registration No. 273,457.
FOR CLAYS—NAMELY, BENTONITE.
Claims use since Nov. 15, 1942.

CLASS 2

RECEPTACLES

Ser. No. 532,541. THE AMERICAN VAULT COMPANY, INC., Belmont, Mass. Filed Aug. 27, 1947. Under section 2f of the act of 1946.

AMER-STONE

The word "Stone" is disclaimed apart from the mark.
FOR BURIAL VAULTS.
Claims use since Aug. 1, 1936.

Ser. No. 533,637. ST. REGIS PAPER COMPANY, New York, N. Y. Filed Sept. 5, 1947.

ST. REGIS

FOR PAPER BAGS.
Claims use since 1930.

Ser. No. 547,635. GULF STATES PAPER CORPORATION, Tuscaloosa, Ala. Filed Jan. 21, 1948.

WHITE MAPLE

The word "White" is disclaimed. Applicant claims ownership of Registration No. 73,822.
FOR PAPER BAGS.
Claims use since August 1905.

Ser. No. 549,737. KNOTHE BROTHERS CO. INC., New York, N. Y. Filed Feb. 14, 1948.

NIGHT LIFE

Applicant claims ownership of Registration No. 300,519.
FOR EMPTY PAPER BOARD BOXES USED IN THE SALE OF CLOTHING.
Claims use since Oct. 22, 1931.

Ser. No. 549,851. SOUTHERN CALIFORNIA PLASTIC COMPANY, Glendale, Calif. Filed Feb. 16, 1948.

Stoway

FOR PLASTIC UTILITY DISHES.
Claims use since Jan. 5, 1948.

Ser. No. 549,856. VOLUPTÉ, INC., Elizabeth, N. J., and New York, N. Y. Filed Feb. 16, 1948.

VOLUPTÉ

FOR PILL BOXES (UNFILLED), COMPACTS (UNFILLED), VANITY CASES (UNFILLED), AND COMBINATION VANITY AND CIGARETTE CASES (UNFILLED).
Claims use since Oct. 28, 1926.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 561,277. THE WILSON MANUFACTURING COMPANY, INC., Boston, Mass. Filed July 13, 1948.

SERVUE

The drawing is lined to indicate shading only.
FOR LEATHER BILLFOLDS AND POCKET WALLETS.
Claims use since May 18, 1948.

CLASS 4

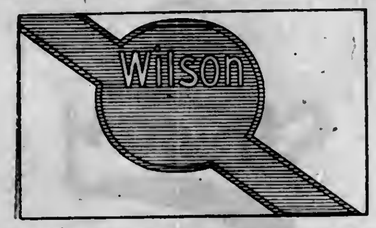
ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 505,696. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed July 5, 1947; originally filed, act of 1905, July 16, 1946.

BIOPAL

FOR DETERGENTS HAVING INCIDENTAL GERMICIDAL PROPERTIES.
Claims use since May 1, 1946.

Ser. No. 527,085. WILSON CHEMICAL CO., Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.



The drawing is lined for blue. Applicant claims ownership of Registration No. 414,980.
FOR HOUSEHOLD CLEANING FLUID.
Claims use since July 1922.

Ser. No. 528,004. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed July 5, 1947.

Spic and Span

Applicant claims ownership of Registration No. 214,076 (renewed).
FOR SOLUBLE CLEANER, CLEANSER, AND DETERGENT.
Claims use since Apr. 20, 1925.

Ser. No. 532,569. BARNETT COPELAND, doing business as The Brite-Ize Co., Chicago, Ill. Filed Aug. 27, 1947. Under section 2f of the act of 1946.

BRITE-IZE

FOR LENS CLEANER.
Claims use since 1933.

Ser. No. 537,962. AURORA PRODUCTS CORPORATION, Cleveland, Ohio. Filed Oct. 16, 1947.

WUZ-BLAK

FOR DETERGENT FOR WASHING THE HANDS AND OTHER PARTS OF THE BODY.
Claims use since Dec. 6, 1944.

Ser. No. 545,341. CONGOLEUM-NAIRN, INC., Kearny, N. J. Filed Dec. 24, 1947. Under section 2f of the act of 1946.

NAIRN

Applicant claims ownership of Registrations Nos. 105,920, 369,235, 334,121, 381,696, 381,813, and 428,522.
FOR LIQUID COMPOUNDS FOR CLEANING LINOLEUM, ASPHALT TILE, AND SIMILAR FLOOR AND WALL COVERINGS.
Claims use since Apr. 5, 1946.

Ser. No. 555,476. THE ARMAND COMPANY, Des Moines, Iowa, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Filed Apr. 24, 1948.

Zest

Applicant claims ownership of Registration No. 269,325.
FOR HAND AND BATH SOAP.
Claims use since Mar. 19, 1948.

Ser. No. 564,489. WESTVACO CHEMICAL CORPORATION, New York, N. Y., assignor to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware. Filed Aug. 31, 1948.

Tromete

Applicant claims ownership of Registrations Nos. 329,907 and 323,725.
FOR CHEMICAL CLEANING COMPOUND FOR GENERAL USE, HAVING INCIDENTAL PROPERTIES AS A WATER SOFTENER.
Claims use since Nov. 13, 1924.

CLASS 5

ADHESIVES

Ser. No. 542,396. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Sept. 9, 1947.

BLUE STRIPE

Applicant claims ownership of Registration No. 227,050.
FOR GUMMED PAPER TAPE.
Claims use since Dec. 20, 1926.

Ser. No. 544,643. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

Stick Quick

Applicant claims ownership of Registration No. 175,678.
FOR GUMMED PAPER TAPE, GUMMED CLOTH TAPE, AND GUMMED CLOTH SHEETS.
Claims use since 1916.

Ser. No. 547,800. VITA-VAR CORPORATION, Newark, N. J. Filed Jan. 22, 1948.

SEALPLY

FOR ADHESIVE COMPOUND FOR LAMINATING PLYWOOD AND OTHER MATERIALS SUCH AS PAPER, COMPOSITION, AND PLASTICS.
Claims use since Dec. 19, 1944.

Ser. No. 548,791. CONGOLEUM-NAIRN, INC., Kearny, N. J. Filed Feb. 5, 1948. Under section 2f of the act of 1946.

NAIRN

Applicant claims ownership of Registrations Nos. 105,920, 369,235, 334,121, 381,696, 381,813, and 428,522.
FOR CEMENTS AND PASTES FOR INSTALLING LINOLEUM AND OTHER COVERINGS.
Claims use since Feb. 2, 1939.

Ser. No. 556,568. BENJAMIN FOSTER COMPANY, Philadelphia, Pa. Filed May 8, 1948.

RESO-RUBR

The word "Rubr" is disclaimed.
FOR CEMENT FOR THE FOLLOWING PURPOSES—FOR CEMENTING RESILIENT FLOOR MATERIALS SUCH AS RUBBER, CORK, ASPHALT, ASBESTOS, MAGNESITE, CLAY OR PLASTIC FLOOR TILES TO METAL, CONCRETE, WOOD FLOORS OR THE LIKE; FOR CEMENTING EDGING STRIPS, STAIRTREADS, FABRICS, METAL OR PLASTIC MOULDINGS; FOR CEMENTING CANVAS TO FLOORS AND BOAT DECKS, AND LINOLEUM TO DESK, TABLE AND COUNTER TOPS; AND FOR CEMENTING WALL TILE BOARD TO OFFICE, KITCHEN OR BATHROOM WALLS.
Claims use since Mar. 29, 1948.

Ser. No. 557,830. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed May 26, 1948.

DUCO

The mark consists of the term "Duco" printed in a straight line. Applicant claims ownership of Registration No. 259,261.
FOR ADHESIVE CEMENT FOR GENERAL HOUSEHOLD USE, MODELMAKING, AND THE LIKE.
Claims use since Apr. 1, 1948.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 494,854. LEO MANN, doing business as Leo Mann & Company, Boston, Mass. Filed Oct. 18, 1947; originally filed, act of 1905, Jan. 16, 1946.

KHAIR

FOR LIQUID PREPARATIONS FOR THE HAIR AND SCALP HAVING INCIDENTAL DANDRUFF EXPELLING PROPERTIES.
Claims use since 1939.

Ser. No. 505,224. MURDOCK DISTRIBUTORS, INC., Los Angeles, Calif., assignee of National Technical Laboratories. Filed Sept. 13, 1947; originally filed, act of 1905, July 8, 1946.

Sterimatic

Applicant claims ownership of Registration No. 401,408.
FOR GERMICIDE SOLUTIONS AND GERMICIDE TABLETS.
Claims use since Feb. 20, 1940.

Ser. No. 512,401. GERMAINE RENÉ DUVAL, Seine, France. Filed Dec. 31, 1947; originally filed, act of 1905, Nov. 12, 1946. Under section 2f of the act of 1946.

CERNY

Applicant claims ownership of French Registration No. 178,003, dated Mar. 3, 1910.
FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.

Ser. No. 526,285. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Filed Nov. 7, 1947; originally filed, act of 1905, July 4, 1947. Under section 2f of the act of 1946 as to "Sergeant's."

Sergeant's



Applicant claims ownership of Registrations Nos. 331,533, 331,632, 331,641, 362,260, 350,436, and 331,354.
FOR TICK KILLER IN POWDER FORM, SKIN BALM AND FLEA POWDER ALL FOR USE ON DOGS.
Claims use since May 3, 1938.

Ser. No. 526,650. WALTER KIDDE & COMPANY, INC., Belleville, N. J. Filed July 5, 1947.

Kidde

Applicant claims ownership of Registration No. 334,376.
FOR CARBON DIOXIDE, OXYGEN, AND CHEMICAL PREPARATIONS USED IN THE TREATMENT OF FIBRES OF YARN OR CORD TO BOND THE FIBRES AND INCREASE THEIR SLIP RESISTANCE, THEREBY INCREASING THE EFFECTIVE STRENGTH OF THE YARN OR CORD.
Claims use since Nov. 15, 1932.

Ser. No. 529,771. KATHRYN, INC., Chicago, Ill. Filed July 28, 1947.

CREME-PACT

Applicant makes no claim to the word "Creme" alone.
FOR CAKE MAKE-UP.
Claims use since July 8, 1947.

Ser. No. 539,326. LANCOME, S. A., Paris, France. Filed Oct. 28, 1947.

Cuir DE LANCÔME

No claim is made to the word "Cuir" apart from the mark as shown. Applicant claims ownership of French Registration No. 374,778, dated Feb. 2, 1947.
FOR PERFUMES AND ROUGES.

Ser. No. 539,505. ECLIPSE SUPPLY COMPANY, San Francisco, Calif. Filed Oct. 30, 1947. Under section 2f of the act of 1946.

WESTPHALIA

FOR QUICK CURING MEAT SALT.
Claims use since Feb. 1, 1931.

Ser. No. 545,955. OTIS CLAPP & SON, INC., Boston, Mass. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

VIOLET BATH

Applicant claims ownership of Registration No. 193,884.
FOR PERFUMED ALCOHOL FOR EXTERNAL USE. ONLY.
Claims use since Jan. 1, 1916.

Ser. No. 548,211. ABBOTT LABORATORIES, North Chicago, Ill. Filed Jan. 29, 1948.

ABORTUSSIS

FOR ANTISPASMODIC, SEDATIVE, AND EXPECTORANT.
Claims use since 1917.

Ser. No. 550,022. CLINTON INDUSTRIES INC., Clinton, Iowa. Filed Feb. 18, 1948. Under section 2f of the act of 1946.

CLINTON

The drawing is lined to indicate that the background on which the name "Clinton" appears, is red. Applicant claims ownership of Registrations Nos. 169,121, 202,085, 202,086, 390,235, 391,004, 405,096, 411,311, 357,141, and 390,773.
FOR LAUNDRY STARCH, MODIFIED STARCHES FOR USE IN SIZINGS FOR TEXTILES AND PAPER, DEXTRINE FOR USE IN ADHESIVES, PEARL STARCH

FOR USE IN TEXTILE SIZINGS, PEARL STARCHES FOR USE IN TEXTILE AND PAPER SIZINGS, STARCH GUMS FOR USE IN SIZINGS FOR TEXTILES AND PAPER, GLOSS STARCH FOR USE IN LAUNDERING, LACTIC ACID FOR USE IN TANNING.
Claims use on laundry starch since Jan. 1, 1924; on modified starches since Oct. 5, 1923; on dextrines since Sept. 1, 1936; on pearl starch since February 1923; on pearl starches since February 1923; on starch gums since Jan. 31, 1928; on gloss starch since Sept. 1, 1939; on lactic acid since January 1935.

Ser. No. 550,801. FIRMENICH & Co., Geneva, Switzerland. Filed Feb. 26, 1948.

TUBEROPHORE

Applicant claims ownership of Swiss Registration No. 90,935, dated July 3, 1937.
FOR SYNTHETICAL AND ARTIFICIAL PERFUMES.

Ser. No. 553,471. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Mar. 31, 1948. Under section 2f of the act of 1946.

Peerless



Applicant claims ownership of Registration No. 147,972.
FOR STARCH FOR MANUFACTURING AND LAUNDRY PURPOSES.
Claims use since Apr. 3, 1890.

Ser. No. 553,472. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Mar. 31, 1948. Under section 2f of the act of 1946.

Superior



Applicant claims ownership of Registration No. 106,249.
FOR STARCH FOR LAUNDRY AND MANUFACTURING PURPOSES.
Claims use since 1876.

Ser. No. 554,543. ALLEN & HANBURYS, LIMITED, London, England. Filed Apr. 14, 1948.

HALIBORANGE

Applicant claims ownership of British Registration No. 540,917, dated Apr. 22, 1933.
FOR PREPARATION OF HALIBUT LIVER OIL IN A VEHICLE OF SWEETENED ORANGE JUICE, WITH A VITAMIN A AND D CONTENT, USED AS A VITAMIN SUPPLEMENT FOR INFANTS, CHILDREN, AND ADULTS.

Ser. No. 555,256. THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Apr. 22, 1948.

PERSIAN MOSS

FOR LIQUID AROMATIC CHEMICAL COMPOSITION USEFUL AS A PERFUME BASE.
Claims use since Jan. 26, 1948.

Ser. No. 556,404. CLAYTON S. BROUGH, doing business as Ohio Salt O Mine Co., Toledo, Ohio. Filed May 7, 1948.

SALT-O-MINS

The word "Salt" is disclaimed apart from the mark.
FOR MINERALIZED SALT COMPOUND COMPOSED PRIMARILY OF SODIUM CHLORIDE WITH VARIOUS QUANTITIES OF OTHER CHEMICALS ADDED THERETO FOR USE IN INCREASING THE MINERAL SALT RATIO IN THE DAILY FARE.
Claims use since Dec. 1, 1939.

Ser. No. 557,861. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 26, 1948.

BIOLITE

FOR CHEMICAL TOXICANTS FOR USE IN MAKING OR FORMULATING AGRICULTURAL INSECTICIDES, FUNGICIDES, AND HERBICIDES.
Claims use since May 5, 1948.

Ser. No. 557,863. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 26, 1948.

MITOSAN

FOR CHEMICAL TOXICANTS FOR USE IN MAKING OR FORMULATING AGRICULTURAL INSECTICIDES, FUNGICIDES, AND HERBICIDES.
Claims use since May 5, 1948.

Ser. No. 557,864. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 26, 1948.

RANDOX

FOR CHEMICAL TOXICANTS FOR USE IN MAKING OR FORMULATING AGRICULTURAL INSECTICIDES, FUNGICIDES, AND HERBICIDES.
Claims use since May 5, 1948.

Ser. No. 559,093. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed June 12, 1948.



The drawing is lined to represent the colors gold and pink.
FOR HAIR TONIC.
Claims use since Jan. 2, 1916.

Ser. No. 561,213. PHYSICIANS & HOSPITALS SUPPLY COMPANY, INC., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed July 12, 1948.

KUDELATE

In the drawing the fact that the trade-mark is always imprinted in white on a red background is indicated by the conventional lining for red.
FOR MEDICAL PREPARATION — NAMELY, AN OINTMENT OF COPPER UNDECYLENATE FOR THE TREATMENT OF RINGWORM, ATHLETE'S FOOT, AND OTHER FUNGUS CONDITIONS.
Claims use since Feb. 21, 1948.

Ser. No. 562,623. A. S. ALOE COMPANY, St. Louis, Mo. Filed Aug. 2, 1948.

preservagent

FOR NON-POISONOUS STABILIZING SOLUTIONS HAVING BACTERIOSTATIC AND FUNGISTATIC PROPERTIES FOR THE PRESERVATION OF URINE AND VARIOUS BIOLOGICAL FLUIDS AND REAGENTS.
Claims use since Sept. 1, 1946.

Ser. No. 562,696. IRENE GORDON, doing business as The Enere Co., Dorchester, Mass. Filed Aug. 3, 1948.

No-Snag

FOR HAND LOTION.
Claims use since July 6, 1948.

Ser. No. 562,807. RHODES PHARMACAL CO., INC., Cleveland, Ohio. Filed Aug. 4, 1948.

LOOK

FOR PREPARATION CONTAINING THIAMIN CHLORIDE, RIBOFLAVIN, ASCORBIC ACID, IRRADIATED ERGOSTEROL, CALCIUM, PHOSPHOROUS, IRON, IODINE, AND NIACINAMIDE, FOR USE AS A DIETARY SUPPLEMENT.
Claims use since Feb. 2, 1948.

Ser. No. 563,152. CARTÉ CO., Chicago, Ill. Filed Aug. 11, 1948.

Nimble

FOR FOOT CREME.
Claims use since July 1, 1948.

Ser. No. 563,156. WILLIAM COOPER & NEPHEWS INCORPORATED, Chicago, Ill. Filed Aug. 11, 1948. Under section 2f of the act of 1946.



FOR ANTISEPTIC, DISINFECTANT, GERMICIDAL, AND INSECTICIDAL PREPARATIONS FOR CATTLE, HORSES, SHEEP, HOGS, GOATS AND POULTRY—NAMELY, MILK OIL DIP, HEXACHLOROETHANE DRENCH, PHENOTHIAZINE DRENCH, PHENOTHIAZINE, EAR TICK PREPARATION, SHEEP DIPPING POWDER, CATTLE DIP, LIME AND SULPHUR DIP, DRY INSECTICIDE; PREPARATIONS FOR KILLING SCREW WORMS; FLY REPELLANT AND WOUND DRESSING FOR LIVESTOCK; ANIMAL HORN PAINT; SHEEP BRANDING PAINTS AND LIQUIDS; PINE OIL DISINFECTANT; DAIRY AND HOUSEHOLD FLY SPRAYS; SAPONATED SOLUTION OF CRESOL; SAPONIFIED CRESYLIC SOLUTION.
Claims use since 1914 as to the mark shown; and since 1900 as to "Cooper."

Ser. No. 563,347. LUCIEN LELONG, INC., Chicago, Ill. Filed Aug. 13, 1948.

Okatea Red

The word "Red" is disclaimed.
FOR LIPSTICKS.
Claims use since July 20, 1948.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 546,472. ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Filed Jan. 8, 1948.

Nugget

FOR PYROPHORIC LIGHTERS FOR CIGARS, CIGARETTES, AND SMOKING PIPES.
Claims use since July 28, 1947.

Ser. No. 546,473. ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Filed Jan. 8, 1948.

Nugget Gold

The word "Gold" is disclaimed apart from the mark.
FOR PYROPHORIC LIGHTERS FOR CIGARS, CIGARETTES, AND SMOKING PIPES.
Claims use since July 28, 1947.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 527,897. OLIN INDUSTRIES, INC., East Alton, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of Registrations Nos. 268,456, 142,347, and 149,543.
FOR RIFLE CARTRIDGES.
Claims use since Jan. 1, 1908.

Ser. No. 543,907. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Dec. 19, 1947.

NITRAMEX

FOR BLASTING AGENT PACKED IN METAL CONTAINERS FOR USE IN QUARRYING, STRIPPING, AND GENERAL BLASTING.
Claims use since Oct. 27, 1947.

Ser. No. 549,399. HERCULES POWDER COMPANY, Wilmington, Del. Filed Nov. 26, 1947. Under section 2f of the act of 1946.

TAMPTITE

Applicant claims ownership of Registration No. 422,333.
FOR DYNAMITE IN CARTRIDGE FORM FOR USE IN EXPLOSIVE OPERATIONS.
Claims use since Aug. 15, 1941.

Ser. No. 550,418. THE JOHNSON COMPANY, Marshfield, Wis. Filed Feb. 24, 1948.

ARABUCK

FOR GUN CASES.
Claims use since Oct. 10, 1945.

Ser. No. 553,290. L. W. LOYD COMPANY, INC., South Pittsburg, Tenn. Filed Mar. 29, 1948.

ATOMIC



The word portion of the drawing is "Atomic."
FOR FIRECRACKERS.
Claims use since Sept. 3, 1947.

CLASS 10

FERTILIZERS

Ser. No. 530,474. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md. Filed Aug. 5, 1947. Under section 2f of the act of 1946.

DAVCO
HOPKINS
FERTILIZER

The word "Fertilizer" is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 278,757, 351,125, and 351,126.
FOR FERTILIZERS.
Claims use since 1905.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 500,728. AMERICAN CRUCIBLE COMPANY, North Haven, Conn. Filed Sept. 20, 1947; originally filed, act of 1905, Apr. 23, 1946.

STARRSIL

FOR REFRACTORIES—NAMELY, SLABS, BATS, POSTS, RAILS, AND FITTINGS WHICH IN USE ARE SUBJECTED TO HIGH TEMPERATURES AND WHICH MAY FORM OR BE INCORPORATED IN OR USED IN CONNECTION WITH HEATING CHAMBERS AND FURNACES, AND WHICH ARE CLAY BONDED AND CONTAIN AS AN ESSENTIAL INGREDIENT SILICON CARBIDE.
Claims use since Feb. 25, 1946.

Ser. No. 524,990. GEORGE W. HOFFMANN CORPORATION, New York, N. Y. Filed Aug. 8, 1947; originally filed, act of 1905, June 27, 1947.

HOFFCRETE

FOR WATER-PROOFING ADHESIVE MASONRY MORTAR AND WATER-PROOFING MASONRY CRACK FILLER.
Claims use since Mar. 1, 1947.

Ser. No. 534,736. THE BOSTWICK STEEL LATH COMPANY, Niles, Ohio. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

CHANNEL-FORM

FOR METAL FLOOR LATH.
Claims use since January 1930.

Ser. No. 537,561. THE CELOTEX CORPORATION, Chicago, Ill. Filed Oct. 11, 1947.

CEMESTO

Applicant claims ownership of Registration No. 292,160.
FOR CONSTRUCTION ELEMENTS OF COMPOSITE STRUCTURE HAVING BOARD FORM COMPRISING A FIBROUS INSULATING CORE HAVING ADHERED CEMENTITIOUS FACINGS AND USED IN BUILDINGS FOR EXTERIOR FINISH, PARTITIONS, AND THE LIKE, AND IN THE INDUSTRIAL FIELD FOR THE CONSTRUCTION OF DRYING OVENS, VENTILATING DUCTS, MACHINE HOODS, AND THE LIKE.
Claims use since Aug. 22, 1931.

Ser. No. 546,223. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Jan. 5, 1948. Under section 2f of the act of 1946.

AERTITE

Applicant claims ownership of Registration No. 222,712.
FOR TOUGH RUBBERY COATING COMPOSITIONS FOR PREVENTING THE INFILTRATION OF AIR THROUGH BOILER SETTINGS AND AS A WATERPROOF FOR INSULATION.
Claims use since 1916.

Ser. No. 547,714. THE EAGLE-PICHER COMPANY, Cincinnati, Ohio. Filed Jan. 22, 1948.

DE-85

FOR INSULATION MATERIAL OF A DIATOMACEOUS EARTH BASE IN BLOCK FORM, USED FOR INSULATING BOILERS, HEATED TANKS, AND SIMILAR INDUSTRIAL HEATED EQUIPMENT.
Claims use since Dec. 17, 1947.

Ser. No. 552,286. TAMMS SILICA COMPANY, Chicago, Ill. Filed Mar. 18, 1948.

AGRASEAL

FOR WATERPROOF COATING FOR CONCRETE SURFACES.
Claims use since February 1947.

Ser. No. 552,727. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y. Filed Mar. 23, 1948. Under section 2f of the act of 1946.

MULTI-SHINGLES

Applicant claims ownership of Registration No. 151,375 (expired).
FOR COMPOSITION SHINGLES.
Claims use since February 1917.

Ser. No. 555,880. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Oct. 23, 1947.

BEECH CREEK

FOR STANDARD REFRACTORY BRICK.
Claims use since June 1901.

Ser. No. 555,881. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Oct. 23, 1947.

MAGNEHARTH

FOR GRANULAR MAGNESITE RAMMING MIX FOR FURNACES.
Claims use since June 1943.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 504,350. GENERAL MILLS, INC., Minneapolis, Minn., and Wilmington, Del. Filed Jan. 5, 1948; originally filed, act of 1905, June 21, 1946.

General Mills

FOR SAUCEPANS MADE OF BASE METAL.
Claims use since Jan. 23, 1946.

Ser. No. 548,556. AIRD-DON COMPANY, Troy, N. Y. Filed Feb. 2, 1948.

Trojan

Applicant claims ownership of Registration No. 231,580.
FOR BASIN COCKS, BATH COCKS, BIBS, SOLDERING NIPPLES, LAVATORIES, BATHTUBS, TOILETS, FAUCETS, AND TRAPS.
Claims use since Jan. 1, 1892.

Ser. No. 548,705. AMITY NOTION CO., INC., New York, N. Y. Filed Feb. 4, 1948.

AMITY

FOR SEPARABLE SLIDE FASTENERS, COMMONLY CALLED ZIPPER FASTENERS.
Claims use since Oct. 1, 1945.

Ser. No. 549,026. STERILSEAT CORPORATION, Wilmington, Del. Filed Feb. 6, 1948. Under section 2f of the act of 1946.

STERILSEAT

Applicant claims ownership of Registration No. 378,681.
FOR TOILET SEATS.
Claims use since November 1938.

Ser. No. 552,359. CONTINENTAL STEEL CORPORATION, Kokomo, Ind. Filed Dec. 22, 1947.

CONTINENTAL

Applicant claims ownership of Registrations Nos. 266,862 and 285,909.
FOR WIRE FENCING, INCLUDING FARM FENCE, POULTRY FENCE, INDUSTRIAL FENCE, AND ORNAMENTAL FENCE MADE OF WIRE AND IRON, AND GATES THEREFOR OF THE SAME MATERIALS, AND BARBED WIRE AND NAILS.
Claims use since Mar. 16, 1931.

Ser. No. 569,134. FORD MOTOR COMPANY, Dearborn, Mich. Filed Nov. 20, 1948.

Fomoco

FOR BOLTS, SCREWS, NUTS, LOCK NUTS, METAL WASHERS, LOCK WASHERS, HINGES, COTTER PINS, COCKS, DRAIN PLUGS, EXPANSION PLUGS, RIVETS, METAL PIPE, PIPE FITTINGS, HOSE CLAMPS, WIRE AND CONDUIT HOLDING CLIPS, SCREW STUDS, COIL SPRINGS, AND FLUID CONTROLLING VALVES.
Claims use since Nov. 17, 1948.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 512,321. CHICAGO STEEL FOUNDRY COMPANY, Chicago, Ill. Filed Nov. 10, 1948; originally filed, act of 1905, Nov. 9, 1946. Under section 2f of the act of 1946.

EVANSTEEL

FOR STEEL CASTINGS.
Claims use since July 1924.

Ser. No. 547,197. VANADIUM-ALLOYS STEEL COMPANY, Latrobe, Pa. Filed Jan. 15, 1948.

8-N-2

FOR TOOL STEEL IN THE FORM OF BILLETS, BARS, SHEETS AND PLATES FOR USE IN FABRICATING INTO SUCH ARTICLES AS CIRCULAR SAWS, DRILLS, REAMERS, BROACHES, END MILLS, PUNCHES AND THE LIKE; AND DISC AND RING FORGINGS FORGED ON A STEAM HAMMER, DROP HAMMER OR PRESS FROM ROLLED OR PREFORGED STOCK, FOR USE IN FABRICATING INTO MILLING CUTTERS, HOBS, BLANKING DIES, DRAWING DIES AND THE LIKE.
Claims use since Aug. 1, 1944.

Ser. No. 547,812. AMERICAN STEEL FOUNDRIES, Chicago, Ill. Filed Jan. 23, 1948.



Applicant claims ownership of Registrations Nos. 137,535, 148,347, 148,982, and 156,612.
FOR FERROUS METAL CASTINGS AND FORGINGS.
Claims use since Jan. 1, 1903.

Ser. No. 551,342. VANADIUM-ALLOYS STEEL COMPANY, Latrobe, Pa. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

No. 7

FOR STEEL BARS, SHEETS, AND PLATES.
Claims use since Mar. 14, 1907.

Ser. No. 553,239. ARCOS CORPORATION, Philadelphia, Pa. Filed Mar. 29, 1948. Under section 2f of the act of 1946.

CHROMEND

FOR CONSUMABLE METAL WELDING ELECTRODES.
Claims use since Feb. 23, 1930.

Ser. No. 553,243. ARCOS CORPORATION, Philadelphia, Pa. Filed Mar. 29, 1948. Under section 2f of the act of 1946.

CHROMEND HC

FOR CONSUMABLE METAL WELDING ELECTRODES.
Claims use since Nov. 1, 1933.

Ser. No. 553,244. ARCOS CORPORATION, Philadelphia, Pa. Filed Mar. 29, 1948. Under section 2f of the act of 1946.

CHROMEND HCN

FOR CONSUMABLE METAL WELDING ELECTRODES.
Claims use since Mar. 1, 1932.

Ser. No. 553,249. ARCOS CORPORATION, Philadelphia, Pa. Filed Mar. 29, 1948.

STAINLEND HC

FOR CONSUMABLE METAL WELDING ELECTRODES.
Claims use since Jan. 3, 1939.

Ser. No. 553,250. ARCOS CORPORATION, Philadelphia, Pa. Filed Mar. 29, 1948.

STAINLEND HCN

FOR CONSUMABLE METAL WELDING ELECTRODES.
Claims use since Jan. 1, 1944.

Ser. No. 553,252. ARCOS CORPORATION, Philadelphia, Pa. Filed Mar. 29, 1948. Under section 2f of the act of 1946.

BRONZEND

FOR CONSUMABLE METAL WELDING ELECTRODES.
Claims use since Oct. 15, 1936.

Ser. No. 553,254. ARCOS CORPORATION, Philadelphia, Pa. Filed Mar. 29, 1948. Under section 2f of the act of 1946.

NICKELEND

FOR CONSUMABLE METAL WELDING ELECTRODES.
Claims use since Mar. 1, 1932.

CLASS 15

OILS AND GREASES

Ser. No. 541,033. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Nov. 13, 1947.

CUPROL

FOR CUTTING OILS FOR METAL PROCESSING.
Claims use since June 5, 1947.

Ser. No. 549,094. SYNTRON COMPANY, Homer City, Pa. Filed Feb. 7, 1948.

SYNTRON

Applicant claims ownership of Registrations Nos. 415,309 and 419,108.
FOR LUBRICATING OILS AND GREASES.
Claims use since 1937.

Ser. No. 550,457. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Feb. 24, 1948.

RPM DELO

Applicant claims ownership of Registrations Nos. 379,100, 337,073, 434,882, 332,257, 338,718, 338,719, 419,368, 419,192, and 436,046.
FOR LUBRICATING OILS AND DIESEL ENGINE LUBRICATING OIL.
Claims use since June 12, 1945.

Ser. No. 551,255. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

EASTERN STATES

Applicant claims ownership of Registrations Nos. 177,370, 184,503, 185,714, 187,373, 317,158, 320,294, 326,035, 326,037, 330,285, and 347,726.
FOR LUBRICATING OILS AND GREASES.
Claims use since June 10, 1935.

Ser. No. 551,262. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

EASTERN STATES

Applicant claims ownership of Registrations Nos. 177,379, 184,503, 185,714, 187,373, 317,159, 320,294, 326,035, 326,037, 330,285, and 347,726.
FOR LUBRICATING OILS AND GREASES.
Claims use since June 10, 1935.

Ser. No. 551,343. C. C. WAKEFIELD & COMPANY LIMITED, London, England. Filed Mar. 5, 1948.

CASTROLEASE

Applicant claims ownership of British Registration No. 642,041, dated Nov. 20, 1945.
FOR OILS AND GREASES FOR LUBRICATING, HEATING, AND LIGHTING.

Ser. No. 551,345. C. C. WAKEFIELD & COMPANY LIMITED, London, England. Filed Mar. 5, 1948.

SPHEEROL

Applicant claims ownership of British Registration No. 510,323, dated Feb. 12, 1930.
FOR LUBRICATING OILS AND LUBRICATING GREASES.

Ser. No. 551,347. C. C. WAKEFIELD & COMPANY LIMITED, London, England. Filed Mar. 5, 1948.

CASTROLITE

Applicant claims ownership of English Registration No. 583,049, dated Jan. 26, 1938.
FOR OILS FOR HEATING, LIGHTING AND LUBRICATING.

Ser. No. 552,512. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y., assignor to Esso Standard Oil Company, Wilmington, Del., a corporation of Delaware. Filed Mar. 19, 1948.

ACTO

Applicant claims ownership of Registrations Nos. 221,646, 221,885, 251,298, 251,487, 273,653, 296,241, and 299,746.
FOR REFINED, SEMI-REFINED, AND UNREFINED OILS AND GREASES MADE FROM PETROLEUM BOTH WITH AND WITHOUT ADMIXTURE OF SUBSTANCES FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES AND LUBRICATING GREASES, AND PETROLEUM SULFONATES FOR GENERAL USE IN THE INDUSTRIAL ARTS, INCLUDING USE AS, OR AS AN INGREDIENT IN, EMULSIFIERS FOR SOLUBLE CUTTING OILS, DRAWING COMPOUNDS, TEXTILE OILS, EMULSION BREAKING COMPOUNDS, HIGH TEMPERATURE BEARING LUBRICANTS, MOTOR OILS, AND COMPONENTS OF LUBRICANTS FOR METAL WORKING.
Claims use on petroleum derivatives since Oct. 19, 1918; and on petroleum sulfonates since Oct. 27, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 535,545. J. F. KURFEES PAINT COMPANY, Louisville, Ky. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

80 AND 20 = 100%
LEAD ZINC PURE

The words "Lead," "Zinc," and "Pure" are disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 239,173 and 240,389.
FOR PREPARED OR READY-MIXED LIQUID PAINTS.
Claims use since July 1, 1926.

Ser. No. 535,546. J. F. KURFEES PAINT COMPANY, Louisville, Ky. Filed Sept. 24, 1947.

80 and 20

Applicant claims ownership of Registrations Nos. 240,389 and 239,175.
FOR PREPARED OR READY-MIXED LIQUID PAINTS.
Claims use since Sept. 1, 1925.

Ser. No. 537,917. MAAS & WALDSTEIN COMPANY, Newark, N. J. Filed Oct. 15, 1947.

NILUSTRE

FOR LACQUERS, AIR DRYING AND BAKING ENAMELS AND VARNISHES.
Claims use since February 1937.

Ser. No. 539,323. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y. Filed Oct. 28, 1947. Under section 2f of the act of 1946.

NOSKID

Applicant claims ownership of Registration No. 385,909.
FOR READY-MIXED PAINTS.
Claims use since Feb. 6, 1939.

Ser. No. 540,166. GODFREY L. CABOT, INC., Boston, Mass. Filed Nov. 5, 1947.

SPHERON

FOR CARBON BLACK FOR USE IN THE MANUFACTURE OF PAINTS.
Claims use since Aug. 5, 1939.

Ser. No. 540,371. BLUE RIBBON PAINT COMPANY, Wheeling, W. Va. Filed Nov. 7, 1947. Under section 2f of the act of 1946.

B-R
BEST RESULT
QUICK DRY
ENAMEL

The words "Quick Dry Enamel" are disclaimed apart from the mark.
FOR PAINT ENAMELS.
Claims use since Feb. 1, 1932.

Ser. No. 540,372. BLUE RIBBON PAINT COMPANY, Wheeling, W. Va. Filed Nov. 7, 1947.

Hydol

Applicant claims ownership of Registration No. 284,205.
FOR INTERIOR PAINTS IN PASTE AND LIQUID FORM AND WALL SURFACE SEALERS.
Claims use since Dec. 1, 1930.

Ser. No. 540,881. REPUBLIC PAINT & VARNISH CO., Chicago, Ill. Filed Nov. 12, 1947.

BARONIAL

FOR PAINT ENAMEL SOLD IN LIQUID FORM, FLAT WALL FINISH PAINT WHICH MAY ALSO BE USED AS A SEALER OR UNDERCOAT, AND VARNISH.
Claims use since Nov. 8, 1940.

Ser. No. 542,196. O-CEDAR CORP'N., Chicago, Ill. Filed July 24, 1947. Under section 2f of the act of 1946.

O-Cedar

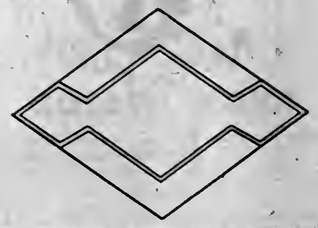
Applicant claims ownership of Registrations Nos. 99,142, 189,252, and 179,862.
FOR POLISHES AND WAXES FOR POLISHING FURNITURE, WALLS, FLOORS, AND AUTOMOBILES.
Claims use since June 1, 1907.

Ser. No. 542,661. ROGERS PAINT PRODUCTS, INC., Detroit, Mich. Filed Nov. 28, 1947.

Detro-Tone

No claim is made to the word "Tone" apart from the mark as shown. Applicant claims ownership of Registration No. 215,989.
FOR PAINTS IN PASTE AND READY MIXED FORM.
Claims use since Mar. 1, 1946.

Ser. No. 545,591. MOORE-HANDLEY HARDWARE CO., INC., Birmingham, Ala. Filed Dec. 27, 1947.



FOR ALUMINUM PAINT, COLORS IN OIL FOR COLORING PAINTS, BARN PAINTS, VARNISHES, TURPENTINE, FOR PAINTS AND ENAMELS, LINSEED OILS FOR PAINTS, PAINTING ENAMELS, CREOSOTE OIL PAINTS, CREOSOTE STAINS, VARNISH STAINS, OIL STAINS, AND READY MIXED PAINTS.
Claims use since 1937.

Ser. No. 546,672. DETROIT GRAPHITE COMPANY, Detroit, Mich. Filed Jan. 10, 1948. Under section 2f of the act of 1946.

Bond-Gard Primer

No claim is made to the exclusive use of the word "Primer" apart from the mark shown.
FOR PAINT PRIMERS.
Claims use since 1937.

Ser. No. 548,039. WM. WREN LIMITED, Bushey, Watford, England. Filed Jan. 26, 1948.

Lavendo

Applicant claims ownership of British Registration No. 491,462, dated Aug. 15, 1928.
FOR POLISHING PREPARATIONS—I. E., FURNITURE POLISHES.

Ser. No. 549,019. EDWARD SMITH & CO., INC., New York, N. Y. Filed Feb. 6, 1948.

BX 127

FOR MARINE SPAR VARNISH.
Claims use since 1930.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 525,444. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Filed Feb. 25, 1948; originally filed, act of 1905, July 1, 1947.



The words "Ram's Horn" are lined for red. The representation of the ram's head is lined for shading only. The representation of the metal tag is disclaimed.
FOR PLUG, TWIST, AND SMOKING TOBACCO.
Claims use since Jan. 1, 1900.

Ser. No. 525,445. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Filed Feb. 25, 1948; originally filed, act of 1905, July 1, 1947.



The drawing is lined to indicate the color red.
FOR PLUG, TWIST, AND SMOKING TOBACCO.
Claims use since Jan. 1, 1900.

Ser. No. 525,449. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Filed Feb. 25, 1948; originally filed, act of 1905, July 1, 1947.



The drawing is lined to indicate the color green.
FOR PLUG, TWIST, AND SMOKING TOBACCO.
Claims use since Jan. 1, 1912.

Ser. No. 525,452. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Filed Feb. 25, 1948; originally filed, act of 1905, July 1, 1947. Under section 2f of the act of 1946.

TAYLOR MADE

Applicant claims ownership of Registration No. 240,956.
FOR PLUG, TWIST, AND SMOKING TOBACCO.
Claims use since Jan. 1, 1900.

Ser. No. 540,782. CUBAN CIGAR COMPANY, Denver, Colo. Filed Nov. 12, 1947.

DRY CLIMATE

FOR CIGARS.
Claims use since May 1, 1897.

Ser. No. 550,878. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y. Filed Feb. 28, 1948.

Old Briar

FOR SMOKING TOBACCO.
Claims use since Dec. 10, 1926.

CLASS 19

VEHICLES

Ser. No. 569,142. FORD MOTOR COMPANY, Dearborn, Mich. Filed Nov. 20, 1948.

FoMoCo

FOR AUTOMOBILES, TRUCKS, BUSSES, VEHICLE PARTS AND ACCESSORIES—NAMELY, VEHICLE COIL SPRINGS, VEHICLE LEAF SPRINGS, SPRING SHACKLES, SPRING CLIPS, SPRING CLAMPS, RADIATORS, VEHICLE BRACKETS AND SUPPORTS, TIRE CARRIERS, BATTERY CARRIERS, STABILIZERS, WHEELS, HUBS, DRUMS, HUB CAPS, WHEEL TRIM RINGS, HOODS, FENDERS, BODIES, CHASSIS, FRAMES, BUMPER GUARDS, BUMPERS, SHOCK ABSORBERS, SHOCK ABSORBER LINKS, WINDSHIELDS, SUN VISORS, REAR VIEW MIRRORS, FENDER SHIELD, WINDSHIELD WIPERS, STEERING WHEELS, WINDSHIELD WIPER BLADES, WINDSHIELD WASHERS, CLUTCH PEDALS, BRAKE PEDALS, BRAKE SHOES, VEHICLE FUEL TANKS, VEHICLE HEATERS, VEHICLE DEFROSTERS, VEHICLE VENTILATORS, BUILT-IN CUSHIONED SEATS AND SEAT BACKS, SEAT COVERS, FLOOR MATS, GLASS CUT TO SHAPE FOR VEHICLE WINDOWS.
Claims use since Nov. 17, 1948.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 556,425. DELAWARE FLOOR PRODUCTS INC., Wilmington, Del. Filed May 7, 1948.

Wall-Ever

The word "Wall" is disclaimed.
FOR FELT BASE, PLASTIC SURFACED, WALL COVERINGS.
Claims use since Mar. 10, 1948.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 522,647. THE READY-POWER CO., Detroit, Mich. Filed Dec. 1, 1947; originally filed, act of 1905, May 19, 1947. Under section 2f of the act of 1946.

READY-POWER

The word "Power" is disclaimed as a trade-mark except when associated with the word "Ready" to form the trade-mark "Ready-Power."
FOR INTERNAL COMBUSTION ENGINE DRIVEN GENERATOR SETS FOR OPERATION OF ELECTRICAL INDUSTRIAL TRUCKS, COMPRISING IN EACH CASE AN INTERNAL COMBUSTION ENGINE, A GENERATOR, VARIOUS CONTROL AND INDICATING EQUIPMENT; AND INTERNAL COMBUSTION ENGINE DRIVEN GENERATOR SETS FOR GENERAL POWER PURPOSES, COMPRISING IN EACH CASE AN INTERNAL COMBUSTION ENGINE, A GENERATOR, VARIOUS CONTROL AND INDICATING EQUIPMENT.
Claims use since Jan. 5, 1924, on sets for industrial trucks; and since Aug. 2, 1935, on sets for general power purposes.

Ser. No. 523,321. MOTOROLA, INC., Chicago, Ill. Filed Sept. 9, 1947; originally filed, act of 1905, May 31, 1947.

Golden View

The word "View" is disclaimed apart from the mark.
FOR TELEVISION RECEIVERS.
Claims use since May 19, 1947.

Ser. No. 523,322. MOTOROLA, INC., Chicago, Ill. Filed Sept. 19, 1947; originally filed, act of 1905, May 31, 1947.

GOLDEN VOICE

The word "Voice" is disclaimed apart from the mark.
FOR RADIO RECEIVERS.
Claims use since Nov. 1, 1935.

Ser. No. 526,695. WALTER KIDDE & COMPANY, INC., Belleville, N. J. Filed July 5, 1947.

Kidde

Applicant claims ownership of Registration No. 334,376.
FOR FLAME ACTUATED ELECTRIC APPARATUS FOR CLOSING OF FIRE ALARM CIRCUITS; FIRE DETECTING APPARATUS COMPRISING ELECTRICALLY ACTUATED ALARM AND INDICATING APPARATUS TO INDICATE THE PRESENCE AND LOCATION OF FIRE UPON THE ACTUATION OF A HEAT RESPONSIVE MECHANISM INCLUDED IN THE ELECTRICAL SYSTEM; ELECTRICALLY OPERATED FIRE ALARM APPARATUS; AND IMPACT SWITCHES FOR ELECTRIC CIRCUITS.
Claims use since Aug. 15, 1942.

Ser. No. 527,912. REYNOLDS ELECTRIC CO., Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

REYNOLDS ELECTRIC COMPANY

The words "Electric Company" are disclaimed apart from the mark as shown.
FOR PARTS FOR ELECTRIC ADVERTISING SIGNS OF THE GASEOUS GLOW TYPE CONSISTING OF FLASHER UNITS, TIMERS, I. E., SEQUENCE SWITCHES FOR MAKING AND BREAKING CONTACTS IN SEQUENCE; PARTS FOR ELECTRICALLY CONTROLLED INTERMITTENT SIGNAL-LIGHT SYSTEMS AND EQUIPMENT FOR STREET AND RAILWAY TRAFFIC CONSISTING OF FLASHER UNITS, TIMERS, I. E., SEQUENCE SWITCHES FOR MAKING AND BREAKING CONTACTS IN SEQUENCE; ELECTRIC FANS; ELECTRIC MOTORS; ELECTRICAL FLASHERS, AND FLASHER CONTROLS FOR MECHANICAL OPERATIONS.
Claims use since May 15, 1901.

Ser. No. 529,644. ARCIBO HERMANOS, Buenos Aires, Argentina. Filed July 26, 1947.

APOLIS

Applicant claims ownership of Argentina Registration No. 190,807.
FOR ELECTRICAL MOTORS, ELECTRIC FANS, DYNAMOS, TRANSMITTING TELEVISION SETS, ELECTRIC CLOTH CUTTING MACHINES.
Claims use since Sept. 10, 1940.

Ser. No. 532,760. SPERRY GYROSCOPE COMPANY, INC., Great Neck, N. Y., now by merger The Sperry Corporation, a corporation of Delaware. Filed Aug. 28, 1947. Under section 2f of the act of 1946.

SPERRY

FOR ELECTRONIC APPARATUS—NAMELY, MICROWAVE TRANSMISSION LINES, MICROWAVE FIXED AND FLEXIBLE COAXIAL LINES AND WAVE GUIDES, MATCHING TRANSFORMERS, COUPLERS, PHASE SHIFTERS, LINE TERMINATIONS, ATTENUATORS, DIRECTIONAL COUPLERS, CRYSTAL DETECTORS, TRANSMISSION LINE BRIDGES AND MULTIPLIERS, ROTATING JOINTS AND ANTENNAS.
Claims use since April 1941.

Ser. No. 536,136. RESEARCH MANUFACTURING COMPANY, Savannah, Ga. Filed Sept. 29, 1947.

FLUSH-O-MATIC

The word "Flush" is disclaimed apart from the mark as shown.
FOR SOLENOID SWITCH MECHANISMS FOR AUTOMATICALLY OPERATING TOILET FLUSH VALVES.
Claims use since Sept. 2, 1946.

Ser. No. 541,479. TRANSPARENT PRODUCTS CORP., Los Angeles, Calif. Filed Nov. 17, 1947.

CO-MO-LITE

The word "Lite" is disclaimed.
FOR ELECTRICALLY OPERATED COMBINATION DISPLAY SIGNS AND CASES.
Claims use since Aug. 15, 1947.

Ser. No. 543,459. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio. Filed Dec. 5, 1947. Under section 2f of the act of 1946.

JEFFREY

FOR ELECTRIC MOTOR CONTROLLERS FOR CONTROLLING THE STARTING, STOPPING AND REVERSING OF ELECTRIC MOTORS, AND PARTS THEREOF, ELECTRIC MOTORS AND ARMATURES AND PARTS THEREOF, ELECTRIC TROLLEYS AND PARTS THEREOF, ELECTRIC TROLLEY HARPS, ELECTRIC TROLLEY WHEELS, ELECTRIC REELS FOR REELING UP AND REELING OUT ELECTRICAL CABLES FOR CONDUCTING CURRENT TO PORTABLE VEHICLES AND THE LIKE, AND ELECTRIC COILS.
Claims use since Sept. 8, 1933.

Ser. No. 543,812. THE HARTFORD PRODUCTS CORPORATION, Hartford, Conn. Filed Dec. 9, 1947.

TORRID

FOR PORTABLE ELECTRIC APPLIANCES—NAMELY, ELECTRIC FLAT IRONS.
Claims use since Nov. 5, 1947.

Ser. No. 545,337. THE BAUSH DEVELOPMENT COMPANY, Cleveland, Ohio. Filed Dec. 24, 1947.

MAGNETONE

FOR MAGNETIC SOUND RECORDING AND REPRODUCING APPARATUS.
Claims use since Oct. 7, 1947.

Ser. No. 548,979. METAL SPECIALTY PRODUCTS COMPANY, Rochester, N. Y. Filed Feb. 6, 1948.

Cord-away

The word "Cord" is disclaimed.
FOR ELECTRIC IRON CORD SUPPORTS.
Claims use since Jan. 14, 1948.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 540,514. BRAINERD BAIT CO., St. Paul, Minn. Filed Nov. 8, 1947.

10,000 LAKES

FOR FISHING TACKLE—NAMELY, SPINNERS, SPOONS, PLUGS, HOOKS, LEADERS, FISHING LINE, AND FROG AND MINNOW HARNESS.
Claims use since Jan. 1, 1936.

Ser. No. 549,329. PARKER BROTHERS, INC., Salem, Mass. Filed Nov. 3, 1947.

CONTACK

Applicant claims ownership of Registration No. 373,575.
FOR GAME PLAYED WITH CHIPS.
Claims use since Nov. 10, 1938.

Ser. No. 551,963. EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Mar. 15, 1948.

SAMBA

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.
Claims use since Feb. 2, 1948.

Ser. No. 552,671. LAMKIN LEATHER COMPANY, Chicago, Ill. Filed Mar. 22, 1948.

VELTEX

FOR LEATHER STRIPS FOR GOLF CLUBS AND RACKET HANDLES.
Claims use since Feb. 15, 1948.

Ser. No. 553,649. STRATTON & TERSTEGGE COMPANY, Louisville, Ky. Filed Apr. 1, 1948. Under section 2f of the act of 1946.

FALLS CITY

Applicant claims ownership of Registration No. 237,607.
FOR MINNOW BUCKETS, TACKLE BOXES, AND BAIT BOXES.
Claims use since Jan. 1, 1914.

Ser. No. 553,651. STRATTON & TERSTEGGE COMPANY, Louisville, Ky. Filed Apr. 1, 1948.

AIR-BREATHER

FOR MINNOW BUCKETS.
Claims use since Dec. 12, 1932.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 503,531. ROCKWOOD SPRINKLER COMPANY OF MASSACHUSETTS, Worcester, Mass. Filed Dec. 22, 1947; originally filed, act of 1905, June 8, 1946. Under section 2f of the act of 1946.

ROCKWOOD WATERFOG

FOR FIRE EXTINGUISHING EQUIPMENT—NAMELY, SPRAY HEADS AND PROTECTIVE BLOW-OFF COVERS THEREFOR FOR FIXED FIRE EXTINGUISHING INSTALLATIONS, AND SPRAY HEADS, NOZZLES, AND APPLICATORS, THE LATTER CONSISTING OF A BENT PIPE WITH NOZZLE, WITH OR WITHOUT SHUT-OFF, FOR PORTABLE FIRE EXTINGUISHING EQUIPMENT.
Claims use since January 1941 on spray heads; and since September 1941 on nozzles, applicators, and protective blow-off covers.

Ser. No. 508,627. THE TRESCOTT COMPANY, INC., Fairport, N. Y. Filed Oct. 16, 1947; originally filed, act of 1905, Sept. 6, 1946.

Market Maker

FOR FRUIT AND VEGETABLE GRADING, CLEANING, AND PACKING MACHINES.
Claims use since Aug. 3, 1946.

Ser. No. 528,932. THE HUBER MANUFACTURING COMPANY, Marion, Ohio. Filed July 19, 1947. Under section 2f of the act of 1946.



The drawing is lined to indicate gold for the letters and maroon for the background.
FOR ROAD ROLLERS AND ROAD SCRAPERS.
Claims use since Oct. 1, 1931.

Ser. No. 530,469. FLEXIBLE ROAD JOINT MACHINE COMPANY, Warren, Ohio. Filed Aug. 5, 1947.

FLEX-PLANE

FOR ROAD MAKING MACHINES—NAMELY, CONCRETE SURFACE FINISHING MACHINES, MACHINES FOR INSTALLING JOINTS BETWEEN SECTIONS OF FRESHLY LAID HARD SURFACE CONCRETE PAVEMENTS, CONCRETE SURFACE FINISHING MACHINES, TRAFFIC LINE MARKER INSTALLING MACHINES, ROAD FORM TRAVELING BRIDGES, AND AUTOMATIC DOWEL AND TIE BAR INSTALLING MACHINES.
Claims use since 1928.

Ser. No. 530,911. BARBER-COLMAN COMPANY, Rockford, Ill. Filed Aug. 9, 1947.

Paraform

FOR MILLING CUTTERS.
Claims use since December 1942.

Ser. No. 532,066. STENOGRAPHIC MACHINES, INC., Chicago, Ill. Filed Aug. 21, 1947. Under section 2f of the act of 1946.

STENOGRAPH

FOR SHORTHAND MACHINES.
Claims use since Dec. 19, 1939.

Ser. No. 534,544. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Minneapolis, Minn., now by merger Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota. Filed Sept. 15, 1947.

UNIVERSAL

The drawing is lined to indicate the colors red and yellow, but no claim is made to coloring as an essential characteristic of the mark. Applicant claims ownership of Registration No. 118,684.
FOR TRACTORS.
Claims use since Oct. 6, 1914.

Ser. No. 534,635. JIFFY DOG CO., Pasadena, Calif. Filed Sept. 16, 1947.

JIFFY DOG

The drawing is lined to show the colors red and gold used in the mark. Applicant disclaims the word "Dog" apart from the mark.
FOR FRANKFURTER COOKING AND DISPENSING MACHINE.
Claims use since November 1946.

Ser. No. 535,936. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio. Filed Sept. 27, 1947. Under section 2f of the act of 1946.

PEERLESS

Applicant claims ownership of Registration No. 144,106.
FOR METAL WORKING SMALL TOOLS—VIZ., HAND REAMERS, CHUCKING REAMERS, CORE REAMERS, STRAIGHT SHANK REAMERS, TAPER SHANK REAMERS, SHELL REAMERS, AND ADJUSTABLE REAMERS.
Claims use since Jan. 1, 1908.

Ser. No. 537,223. NATIONAL VULCANIZED FIBRE CO., Wilmington, Del. Filed Oct. 8, 1947.

Aqualite

FOR LAMINATED BUSHINGS FOR WATER LUBRICATION OF MARINE BEARINGS.
Claims use since Aug. 18, 1931.

Ser. No. 543,023. THE BREADY TRACTOR AND IMPLEMENT COMPANY, Solon, Ohio. Filed Sept. 15, 1947. Under section 2f of the act of 1946.

BREADY

Applicant claims ownership of Registration No. 426,878.
FOR POWER OPERATED TRACTORS AND TOOLS THEREFOR—NAMELY, PLOWS, DISCS, HARROWS, CULTIVATORS, MOWERS, LAWN MOWERS, SNOW PLOWS, FURROWERS, AND HILLERS.
Claims use since June 1919.

Ser. No. 543,191. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio. Filed Dec. 3, 1947.

BLUWIN

Applicant claims ownership of Registration No. 303,986.
FOR AUGER BITS FOR WOODWORKING USE.
Claims use since Dec. 1, 1932.

Ser. No. 543,192. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio. Filed Dec. 3, 1947. Under section 2f of the act of 1946.

IRWIN

Applicant claims ownership of Registrations Nos. 65,244, 101,741, 344,345, and 428,109.
FOR SCREW DRIVERS.
Claims use since Oct. 2, 1935.

Ser. No. 543,340. TRIPLE "E" PRODUCTS COMPANY, St. Louis, Mo. Filed Dec. 4, 1947.

Triple "E" Pointer

The word "Pointer" is disclaimed.
FOR PENCIL SHARPENERS.
Claims use since Aug. 18, 1947.

Ser. No. 543,351. THE BILLINGS & SPENCER COMPANY, Hartford, Conn. Filed Oct. 2, 1947. Under section 2f of the act of 1946.

BILLINGS

Applicant claims ownership of Registration No. 398,858.
FOR TOOLS AND FOR MACHINERY—NAMELY, ALL KINDS AND TYPES OF THE FOLLOWING GOODS: WRENCHES, WRENCH SETS, WRENCH SOCKETS AND CHAIN PIPE WRENCHES, TONGS, HAMMERS, HANDLES, PLIERS, PIPE VISES, PIPE CLAMPS, KNURLING TOOLS, SCREW DRIVERS, DRIFTS, DRILL SOCKETS, REAMER HOLDERS, RATCHET DRILLS, CHISELS, HAND PUNCHES, COTTER-PIN TOOLS, CUT-OFF TOOLS, LATHE DOGS, CLAMP DOGS, AUTOMATIC SCREW MACHINES, DROP HAMMERS, DIE SINKING MACHINES, MILLING MACHINES, TRIMMER DIE MILLERS, HOT TRIMMING PRESSES, TIMBER SCRIBES, AND HOT SAWS.
Claims use since Apr. 1, 1926.

Ser. No. 546,370. CONSOLIDATED MACHINE TOOL CORPORATION, Rochester, N. Y. Filed Jan. 7, 1948.

CURLATOR

FOR MACHINERY FOR TREATING PAPERMAKING PULP, FOR MACHINERY FOR DEWATERING PULP, AND FOR MACHINERY FOR RECLAIMING AND TREATING WASTE PAPER.
Claims use since Nov. 25, 1947.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 507,414. NEW YORK EYE PROTECTION CO. INC., Brooklyn, N. Y. Filed Jan. 19, 1948; originally filed, act of 1905, Aug. 14, 1946. Under section 2f of the act of 1946.

ALLSPORT

FOR LENSES FOR EYE PROTECTION.
Claims use since Aug. 25, 1927.

Ser. No. 510,715. MORRISON-ATLAS PRODUCTS, Chicago, Ill. Filed Jan. 7, 1948; originally filed, act of 1905, Oct. 11, 1946. Under section 2f of the act of 1946.

KOVER-ALL

FOR PHOTOGRAPHIC FILM SQUEEGEES.
Claims use since Sept. 7, 1939.

Ser. No. 531,442. HARVEY S. COVER, South Bend, Ind. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

NOD AND SHAKE

FOR GOGGLES.
Claims use since Oct. 7, 1922.

Ser. No. 537,016. CRAFTSMAN LINE-UP TABLE CORPORATION, Waltham, Mass. Filed Oct. 7, 1947.

Craftsman

FOR PRECISION LINE-UP AND REGISTER TABLES OF THE TYPE DESIGNED ESPECIALLY FOR USE IN PRINTING AND ALLIED ARTS AND FOR COMPONENT PARTS OF SAID MACHINES.
Claims use since Apr. 8, 1932.

Ser. No. 541,710. SIMPLICITY PATTERN CO. INC., New York, N. Y. Filed Nov. 19, 1947. Under section 2f of the act of 1946.

Simplicity

Applicant claims ownership of Registrations Nos. 277,639 and 394,686.
FOR MEN'S, WOMEN'S AND CHILDREN'S GARMENT AND ACCESSORY PATTERNS, DOLL AND TOY PATTERNS, AND NEEDLECRAFT PATTERNS.
Claims use since Aug. 1, 1927.

Ser. No. 558,292. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed June 2, 1948.

OZACLOTH

FOR LIGHT-SENSITIVE COPYING AND PHOTOGRAPHIC CLOTHS.
Claims use since June 6, 1946.

Ser. No. 558,293. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed June 2, 1948.

OZAJET

FOR LIGHT-SENSITIVE COPYING AND PHOTOGRAPHIC PAPERS.
Claims use since July 3, 1946.

Ser. No. 558,296. GENERAL ANILINE & FILM CORPORATION, New York, N. Y. Filed June 2, 1948.

OZAPLASTIC

FOR LIGHT-SENSITIVE OPAQUE PLASTIC-COATED COPYING AND PHOTOGRAPHIC PAPERS.
Claims use since Apr. 5, 1946.

Ser. No. 558,686. AMERICAN ZYLOPTIC CO., INC., New York, N. Y. Filed June 8, 1948.

GALLANT

FOR LENSES FOR EYEGLASSES, GOGGLES, AND SPECTACLES AND EYEGLASS, GOGGLE, AND SPECTACLE FRAMES AND PARTS THEREFOR OF METAL, SHELL, AND VARIOUS PLASTIC COMPOSITIONS.
Claims use since July 1947.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 521,197. THE LUX CLOCK MANUFACTURING COMPANY, Waterbury, Conn. Filed Apr. 29, 1948; originally filed, act of 1905, Apr. 23, 1947. Under section 2f of the act of 1946.

Claridge

FOR CLOCKS—NAMELY, BOUDOIR, DESK, MANTEL, AND ALARM CLOCKS AND PARTS OF CLOCKS.
Claims use since Feb. 1, 1936.

Ser. No. 557,780. THE SESSIONS CLOCK COMPANY, Forestville, Conn. Filed May 25, 1948.

CATNAPPER

FOR CLOCKS, CLOCK MOVEMENTS AND PARTS THEREOF.
Claims use since Sept. 1, 1947.

Ser. No. 560,460. FLEVO WATCH CORPORATION, INC., Whitestone, N. Y. Filed June 30, 1948.

FLEVO

FOR WATCHES.
Claims use since May 1948.

Ser. No. 560,632. THE LUX CLOCK MANUFACTURING COMPANY, Waterbury, Conn. Filed July 2, 1948. Under section 2f of the act of 1946.

MINUTE METER

Applicant claims ownership of Registrations Nos. 336,750 and 428,021.
FOR CLOCKS, CLOCK MOVEMENTS, CLOCK CONTROLLED AUTOMATIC TIMER MECHANISMS, CLOCK CONTROLLED MECHANISMS USED FOR TIMING COOKING OPERATIONS, AND OTHER SUCH TIMING DEVICES.
Claims use since July 1, 1924.

Ser. No. 561,501. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed July 15, 1948.

MALDEN

Applicant claims ownership of Registration No. 412,335.
FOR WATCHES.
Claims use since July 15, 1941.

Ser. No. 562,432. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed July 29, 1948. Under section 2f of the act of 1946.

Biltwell

Applicant claims ownership of Registration No. 306,822.
FOR ELECTRIC CLOCKS.
Claims use since March 1931.

Ser. No. 562,516. ZELIKOVSKY BROS. CO., INC., New York, N. Y. Filed July 29, 1948.

LEOBE

FOR WATCHES.
Claims use since June 1, 1948.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 559,677. BRAD'S JEWELERS, INC., Brooklyn, N. Y. Filed June 19, 1948.

BRAD

FOR FINGER RINGS.
Claims use since Apr. 28, 1948.

Ser. No. 560,832. NATIONAL SILVER COMPANY, New York, N. Y. Filed July 7, 1948.

BOLERO

FOR STERLING SILVER FLATWARE.
Claims use since May 6, 1948.

Ser. No. 560,833. NATIONAL SILVER COMPANY, New York, N. Y. Filed July 7, 1948.

GUARDSMAN

FOR STERLING SILVER FLATWARE.
Claims use since May 17, 1948.

Ser. No. 560,834. NATIONAL SILVER COMPANY, New York, N. Y. Filed July 7, 1948.

PARADE

FOR STERLING SILVER FLATWARE.
Claims use since May 12, 1948.

Ser. No. 561,268. SPEIDEL CORPORATION, Providence, R. I. Filed July 13, 1948.

FIESTA

FOR BRACELETS (NOT INCLUDING WATCHES).
Claims use since May 26, 1948.

Ser. No. 561,933. NATIONAL SILVER COMPANY, New York, N. Y. Filed July 22, 1948.

CLAIR DE LUNE

FOR STERLING SILVER FLATWARE.
Claims use since May 7, 1948.

Ser. No. 561,934. NATIONAL SILVER COMPANY, New York, N. Y. Filed July 22, 1948.

GRENADIER

FOR STERLING SILVER FLATWARE.
Claims use since June 4, 1948.

Ser. No. 561,935. NATIONAL SILVER COMPANY, New York, N. Y. Filed July 22, 1948.

ILLUSION

FOR STERLING SILVER FLATWARE.
Claims use since May 7, 1948.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 550,840. STIX, BAER & FULLER COMPANY, St. Louis, Mo. Filed Feb. 28, 1948.

Arline

Applicant claims ownership of Registrations Nos. 409,292, 409,891, and 410,040.
FOR POWDER PUFFS.
Claims use since Oct. 1, 1939.

Ser. No. 553,079. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Filed Mar. 26, 1948. Under section 2f of the act of 1946.

Mrs. Lane's

FOR BROOMS.
Claims use since Nov. 1, 1935.

Ser. No. 554,097. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Filed Apr. 8, 1948.

GLENDALE

FOR BROOMS.
Claims use since Feb. 1, 1900.

Ser. No. 554,919. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Apr. 17, 1948.

CURVETTE

FOR HAIR BRUSHES.
Claims use since Jan. 23, 1948.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 511,602. LIMESTONE PRODUCTS CORPORATION OF AMERICA, Newton, N. J. Filed June 18, 1948; originally filed, act of 1905, Oct. 29, 1946.

CRESTITE

FOR GROUND OR PULVERIZED LIMESTONE FOR USE IN NEUTRALIZING ACID WASTES.
Claims use since Aug. 14, 1946.

Ser. No. 535,250. THE MCKAIN COMPANY, doing business under the name Home Softener Service, St. Paul, Minn. Filed Sept. 22, 1947. Under section 2f of the act of 1946.

HOME SOFTENER SERVICE

FOR ZEOLITE WATER SOFTENERS.
Claims use since Mar. 1, 1941.

Ser. No. 536,622. LIQUID CONDITIONING CORPORATION, Linden, N. J. Filed Oct. 3, 1947.

LIQUON

FOR LIQUID TREATING EQUIPMENT—NAMELY, EQUIPMENT FOR CLARIFYING TURBID LIQUIDS BY

COAGULATION AND FILTRATION THROUGH SAND, ANTHRACITE, OR DIATOMACEOUS EARTH, FOR REMOVING HARDNESS FROM WATER BY CHEMICAL PRECIPITATION OR ION EXCHANGE, FOR REMOVING DISSOLVED AND COLLOIDAL SUBSTANCES FROM WATER, SEWAGE, AND LIQUIDS IN GENERAL BY ION EXCHANGE, CHEMICAL PRECIPITATION, ADSORPTION, OR DEGASIFICATION.

Claims use since Aug. 15, 1946, as to the word "Liquon"; and since July 23, 1947, as shown.

Ser. No. 536,866. AMERICAN GAS ASSOCIATION, INC., New York, N. Y. Filed Oct. 6, 1947.



Applicant disclaims any right to exclusive appropriation of each of the words shown on the mark apart from the combination of the words or arrangement thereof as shown. The star in the drawing is lined to represent the color blue.

FOR GAS OPERATED REFRIGERATORS.

Claims use since 1929.

Ser. No. 545,383. MCQUAY, INC., Minneapolis, Minn. Filed Jan. 30, 1948.

ICY-FLO

No claim is made to the word "Icy" apart from the mark as shown.

FOR ELECTRICALLY REFRIGERATED ACCUMULATORS FOR THE STORAGE OF COOLING CAPACITY, OPERATING TO FREEZE, WHEN DORMANT, SOME OF THE WATER IN INTERMITTENTLY OPERATED CIRCULATORY WATER COOLING SYSTEMS OF APPARATUS FOR CONDITIONING THE AIR IN CHURCHES, HALLS, AND AUDITORIUMS, ASSEMBLY RODOMS OF LODGES, CLUBS, AND MORTUARIES, AND OTHER GATHERING PLACES WHEREIN HEAVY LOADS ON SUCH APPARATUS ARE ENCOUNTERED FOR PERIODS OF SHORT DURATION.

Claims use since Jan. 1, 1940.

Ser. No. 567,519. HODGES RESEARCH AND DEVELOPMENT COMPANY, Redwood City, Calif. Filed Oct. 23, 1948.

MEATMASTER

The word "Meat" shown in the drawing is disclaimed apart from the mark as shown.

FOR COMMERCIAL REFRIGERATION CABINET FOR ACCELERATING THE AGING OF MEAT.

Claims use since Aug. 16, 1948.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 530,424. NOBLITT-SPARKS INDUSTRIES, INC., Columbus, Ind. Filed Aug. 4, 1947. Under section 2f of the act of 1946.

ARVIN

FOR METAL CHAIRS AND DINETTE TABLES.

Claims use since Jan. 15, 1940.

Ser. No. 532,339. PROGRESS BEDDING CO., Detroit, Mich. Filed Aug. 25, 1947.

PROGRESS

FOR MATTRESSES AND BOX SPRINGS.

Claims use since 1913.

Ser. No. 532,341. PROGRESS BEDDING CO., Detroit, Mich. Filed Aug. 25, 1947.

RESTOKRAFT

FOR MATTRESSES.

Claims use since 1917.

Ser. No. 535,965. HOUGH SHADE CORPORATION, Janesville, Wis. Filed Sept. 27, 1947.

RA-TOX

Applicant claims ownership of Registration No. 162,271.

FOR WOOD SLAT SHADES AND VENETIAN BLINDS.

Claims use since Jan. 31, 1922, on wood slat shades; and since January 1926 on Venetian blinds.

Ser. No. 542,804. APEX VENETIAN BLIND COMPANY, Philadelphia, Pa. Filed Dec. 1, 1947.



FOR VENETIAN BLINDS.

Claims use since Dec. 20, 1946.

Ser. No. 543,031. SIMON BACHE & COMPANY, New York, N. Y. Filed Sept. 20, 1947.

Evalast

Applicant claims ownership of Registration No. 253,584.

FOR WALL MIRRORS, HAND MIRRORS, AND MIRRORS IN THE NATURE OF FURNITURE.

Claims use since Dec. 27, 1927.

Ser. No. 543,815. LEGGETT & PLATT, INC., Carthage, Mo. Filed Dec. 9, 1947. Under section 2f of the act of 1946.

FLEX-O-TOP

FOR BED-SPRINGS.

Claims use since Dec. 31, 1938.

Ser. No. 546,907. S. KARPEN & BROS., Chicago, Ill. Filed Aug. 13, 1947.

Snug Harbor

Applicant claims ownership of Registration No. 343,409.

FOR DAVENPORTS, SOFAS, LOVE SEATS, CHAIRS OF THE FURNITURE TYPE, ROCKING CHAIRS, TABLES OF THE FURNITURE TYPE, DESKS, BEDS, DRESSERS, CHESTS OF THE FURNITURE TYPE FOR BEDROOMS, SIDEBOARDS, BUFFETS, AND CHINA CLOSETS.

Claims use since June 27, 1936.

Ser. No. 550,204. ALLIED SLEEP PRODUCTS, INC., Providence, R. I. Filed Feb. 20, 1948.

Vivacity BRAND

No claim is made to the word "Brand" apart from the mark.

FOR SOFA-BEDS, STUDIO COUCHES, BOX SPRINGS, BEDS, MATTRESSES, PILLOWS, AND CHAIRS IN THE NATURE OF FURNITURE.

Claims use since Dec. 19, 1947.

CLASS 33

GLASSWARE

Ser. No. 531,225. LIBBEY-OWENS-FORD GLASS COMPANY, Toledo, Ohio. Filed Aug. 13, 1947.

MIRROPANE

FOR TRANSPARENT MIRRORED GLASS.

Claims use since July 18, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 496,101. ROYCE L. PARKER, INC., Bellwood, Ill. Filed Aug. 25, 1947; originally filed, act of 1905, Feb. 6, 1946. Under section 2f of the act of 1946.

Parker

FOR STEAM KETTLES AND STEAM COOKERS, THE KETTLES AND COOKERS BEING FOR INDUSTRIAL USE.

Claims use since July 7, 1939.

Ser. No. 529,257. FLORENCE STOVE COMPANY, Gardner, Mass. Filed July 23, 1947. Under section 2f of the act of 1946.

FLORENCE
GARDNER

The mark "Florence Gardner" is not the name of a particular living individual, but is a fictitious name insofar as the Florence Stove Company is concerned.

FOR COMBINATION COAL AND GAS RANGE.

Claims use since Oct. 25, 1940.

Ser. No. 540,558. OAKES & COMPANY, Chicago, Ill. Filed Nov. 8, 1947.

Style Craft

FOR OIL SPACE HEATERS, STOVES, RANGES, FURNACES, WATER HEATERS, OIL AND GAS LAMPS, AND RADIATORS.

Claims use since Feb. 1, 1946.

Ser. No. 542,234. HARVEY-WHIPPLE, INCORPORATED, Springfield, Mass. Filed Aug. 20, 1947. Under section 2f of the act of 1946.

Master Kraft

Applicant claims ownership of Registration No. 302,810.

FOR DOMESTIC OIL BURNERS.

Claims use since Mar. 1, 1932.

Ser. No. 551,865. THE CUSSINS AND FARN COMPANY, Columbus, Ohio. Filed Mar. 13, 1948.

RELIANCE

FOR COAL, KEROSENE, CRUDE OIL, AND GAS-FIRED SPACE HEATERS; RADIANT SPACE HEAT-

ERS, MAGAZINE-TYPE HEATERS; GAS, COAL, AND KEROSENE-FIRED COOKING RANGES; GAS-FIRED HOT PLATES, GAS-FIRED BATHROOM HEATERS, COAL-FIRED LAUNDRY HEATERS; COAL, GAS, AND OIL-FIRED HEATING FURNACES; FURNACE BLOWERS, FURNACE STOKERS; KEROSENE AND GASOLINE-FIRED CAMP STOVES; GAS, COAL, AND OIL-FIRED WATER HEATERS; AND RANGE BOILERS.
Claims use since Sept. 1, 1921.

Ser. No. 554,316. LOCKE STOVE COMPANY, Kansas City, Mo. Filed Apr. 10, 1948. Under section 2f of the act of 1946.

WARM·EVER

Applicant claims ownership of Registration No. 423,642.
FOR WATER HEATERS USING SOLID FUELS.
Claims use since Jan. 1, 1942.

Ser. No. 554,415. RELIANCE PRODUCTS CORPORATION, Portland, Oreg. Filed Apr. 12, 1948.

RELIANCE

FOR OIL BURNERS, OIL BURNING STOVES, AND PARTS THEREOF.
Claims use since February 1938.

CLASS 36
MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 401,186. WINTER AND COMPANY, INC., New York, N. Y., by merger with Winter & Company. Filed Oct. 18, 1947; originally filed, act of 1905, Nov. 6, 1945.

Aluma-Way

FOR PIANO PLATES TO WHICH THE PIANO STRINGS ARE ATTACHED.
Claims use since Oct. 1, 1945.

Ser. No. 536,698. KOHLER & CAMPBELL, INC., New York, N. Y. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

FRANCIS BAGON

The trade-mark is the name of Francis Bacon, now deceased, who was a master piano builder associated with applicant's predecessors in business for many years prior to 1880. Applicant claims ownership of Registration No. 291,985.
FOR PIANOS.
Claims use since 1880.

CLASS 37
PAPER AND STATIONERY

Ser. No. 524,176. A. W. FABER-CASTELL PENCIL CO., INC., Newark, N. J. Filed Oct. 25, 1947; originally filed, act of 1905, June 14, 1947.

MERCHANTS

FOR RUBBER ERASERS AND BLACKBOARD ERASERS, WOOD ENCASED AND MECHANICAL PENCILS, SLATE AND CRAYON PENCILS, CRAYONS, RUBBER BANDS, PEN HOLDERS, PEN POINTS, AND FOUNTAIN PENS.
Claims use since May 1936.

Ser. No. 538,690. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed Oct. 22, 1947.



Applicant claims ownership of Registration No. 74,905.
FOR PAPER TABLETS; LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED; LOOSE PAPER FOR DRAWING OR OTHER ART PURPOSES PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED; PAPER PACKETS OR FOLDERS FOR LOOSE PAPER; AND INDEX CARDS OR GUIDES.
Claims use since 1879.

Ser. No. 538,968. SLOANE PEN COMPANY, New York, N. Y. Filed Oct. 24, 1947.

ADVANCE

FOR WRITING INSTRUMENTS—NAMELY, FOUNTAIN PENS, BALL PENS, MECHANICAL PENCILS, AND LEAD PENCILS.
Claims use since Jan. 7, 1947.

Ser. No. 544,000. STATLER TISSUE CORP., Somerville, Mass. Filed Dec. 10, 1947. Under section 2f of the act of 1946.

Statler

Applicant claims ownership of Registration No. 262,455.
FOR TOILET TISSUES, PAPER TOWELS, AND NAPKINS.
Claims use since Jan. 15, 1928.

Ser. No. 544,642. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

StickQuick

Applicant claims ownership of Registrations Nos. 164,187 and 175,678.
FOR BLANK OR PARTIALLY PRINTED GUMMED LABELS AND GUMMED PAPER.
Claims use since 1916.

Ser. No. 550,313. HERBERT DAVIS, doing business as Hotel Printing and Stationery Company, New York, N. Y. Filed Feb. 21, 1948.



The words "Hotel Forms" and "The Key to Efficiency" are disclaimed apart from the mark. The drawing is lined for shading only.
FOR PARTIALLY PRINTED FORMS.
Claims use since Nov. 30, 1947.

Ser. No. 551,008. THE GREAT AMERICAN TEA COMPANY, New York, N. Y. Filed Mar. 2, 1948.

Golden Key

Applicant claims ownership of Registrations Nos. 244,430, 503,028, and 505,566.
FOR CLEANING, DUSTING, AND POLISHING PAPER.
Claims use since Aug. 25, 1938.

Ser. No. 551,053. SCRIPTO, INC., Atlanta, Ga. Filed Mar. 2, 1948.

Scriptette

Applicant claims ownership of Registrations Nos. 102,632, 196,587, 216,246, 216,247, and 420,399.
FOR MECHANICAL PENCILS AND PENCIL LEADS.
Claims use since Dec. 30, 1947.

Ser. No. 552,490. POND'S EXTRACT COMPANY, New York, N. Y., and elsewhere. Filed Mar. 19, 1948. Under section 2f of the act of 1946.

POND'S

Applicant claims ownership of Registrations Nos. 260,985 and 298,472.
FOR PAPER TISSUES (ADAPTED FOR REMOVING SKIN CREAMS, FOR USE AS HANDKERCHIEFS, AND FOR SIMILAR PURPOSES).
Claims use since Oct. 15, 1927.

Ser. No. 553,477. DENNISON MANUFACTURING COMPANY, Framingham, Mass. Filed Mar. 31, 1948. Under section 2f of the act of 1946.

Silver Shield

FOR TISSUE PAPER.
Claims use since February 1940.

Ser. No. 556,297. UNITED WALLPAPER, INC., Chicago, Ill. Filed May 5, 1948.

VALU-PAK

Applicant claims ownership of Registration No. 401,444.
FOR WALLPAPER.
Claims use since Nov. 11, 1942.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 550,550. POPULAR MECHANICS COMPANY, Chicago, Ill. Filed Feb. 25, 1948. Under section 2f of the act of 1946.

POPULAR MECHANICS MAGAZINE

The word "Magazine" is disclaimed apart from the mark. Applicant claims ownership of Registration No. 101,201.
FOR MONTHLY MAGAZINE.
Claims use since January 1902.

CLASS 39

CLOTHING

Ser. No. 498,215. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Oct. 11, 1948; originally filed, act of 1905, Mar. 14, 1946.



FOR CHILDREN'S WEAR—NAMELY, DRESSES, SWEATERS, CREEPERS, PLAY-SUITS, AND POLO SHIRTS.
Claims use since Mar. 15, 1945.

Ser. No. 529,489. PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed July 25, 1947. Under section 2f of the act of 1946.

PETTIFLAW

Applicant claims ownership of Registration No. 379,964.
FOR HOSIERY.
Claims use since April 1933.

Ser. No. 529,490. PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed July 25, 1947. Under section 2f of the act of 1946.

"RUN-R-LESS"

Applicant claims ownership of Registration No. 383,417.
FOR HOSIERY.
Claims use since Mar. 2, 1938.

Ser. No. 530,114. CLARENCE F. NORLIN, doing business as Norlin Manufacturing Company, Chicago, Ill. Filed July 31, 1947.



The words "Norlin," "Splash Shields" and the expression "Smiling in the Rain" are disclaimed apart from the mark. The portraits are fanciful. Applicant claims ownership of Registration No. 431,704.
FOR APRONS FOR ATTACHMENT TO THE REAR PORTION OF THE LEG OF THE USER TO PROTECT AGAINST SPLASH MARKS.
Claims use since May 1, 1947.

Ser. No. 531,558. WEINBERG-WEINBERG-ALPERN, New York, N. Y. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

Sensibly Young

Applicant claims ownership of Registration No. 376,258.
FOR WOMEN'S AND LITTLE WOMEN'S DRESSES.
Claims use since Dec. 28, 1938.

Ser. No. 532,505. RICHMOND HOSIERY MILLS, Rossville, Ga. Filed Aug. 26, 1947. Under section 2f of the act of 1946.

Everwear

Applicant claims ownership of Registration No. 135,369.
FOR HOSIERY.
Claims use since 1906.

Ser. No. 534,174. MONARCH GARMENT CORP., New York, N. Y. Filed Sept. 11, 1947.

FORMONA

FOR LADIES' AND MISSES' COATS, SUITS, AND DRESSES.
Claims use since Apr. 11, 1947.

Ser. No. 534,282. HOLEPROOF HOSIERY CO., Milwaukee, Wis. Filed Sept. 12, 1947.

SPORT-BRIEFS

The word "Sport" is disclaimed. Applicant claims ownership of Registration No. 324,653.
FOR MEN'S AND WOMEN'S HOSIERY.
Claims use since Sept. 4, 1947.

Ser. No. 535,596. OWEN-MORGAN, INC., New York, N. Y. Filed Sept. 24, 1947.

The FIREMAN'S SHIRT

The words "The" and "Shirt" are disclaimed apart from the mark.
FOR BLOUSES, SHIRTS, AND JACKET BLOUSES FOR SPORTSWEAR FOR WOMEN.
Claims use since July 24, 1947.

Ser. No. 535,786. ARROWHEAD SOUVENIRS, INC., Minneapolis, Minn., assignor to Minnetonka Moccasin Company, Inc., Minneapolis, Minn., a corporation of Minnesota. Filed Sept. 26, 1947.

MINNETONKA

FOR MOCCASINS CONSTRUCTED OF PLASTIC AND LEATHER MATERIALS.
Claims use since Sept. 5, 1945.

Ser. No. 536,702. LANE BROTHERS COMPANY, Boston, Mass. Filed Oct. 3, 1947.

LITTLE STUDENT

FOR SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF, FOR MEN, WOMEN, OR CHILDREN.
Claims use since Sept. 22, 1909.

Ser. No. 536,844. STADIUM MANUFACTURING CO., INC., Baltimore, Md. Filed Oct. 4, 1947.

Pleetway

Applicant claims ownership of Registration No. 315,709.
FOR PAJAMAS, UNDERWEAR, SHORTS, AND OUTER SHIRTS, FOR MEN AND WOMEN.
Claims use since Dec. 29, 1933.

Ser. No. 538,924. HICKEY-FREEMAN COMPANY, Rochester, N. Y. Filed Oct. 24, 1947.

Sumaloom

Applicant claims ownership of Registration No. 318,390.
FOR MEN'S SUITS.
Claims use since May 6, 1932.

Ser. No. 540,273. LOUIS GOLDSMITH INC., Philadelphia, Pa. Filed Nov. 6, 1947. Under section 2f of the act of 1946.

RIGHT POSTURE

FOR MEN'S COATS, WAISTCOATS, PANTS, AND OVERCOATS.
Claims use since June 12, 1914.

Ser. No. 540,358. MARY D. ACKERMAN, Mechanicsburg, Ohio. Filed Nov. 7, 1947.

JIF-FY-ALLS

FOR CHILDREN'S OVERALLS, PAJAMAS, SNOWSUITS, SUNSUITS, AND BOYS' TROUSERS.
Claims use since June 15, 1947.

Ser. No. 540,571. HENRY POLLAK, INC., New York, N. Y. Filed Nov. 8, 1947. Under section 2f of the act of 1946.

FLAMAND

Applicant claims ownership of Registration No. 369,854.
FOR FELT AND STRAW HAT BODIES, INCORPORATED IN HATS TO BE WORN BY WOMEN AND CHILDREN.
Claims use since 1928.

Ser. No. 541,076. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Nov. 14, 1947.



Applicant claims ownership of Registration No. 384,235.
FOR MEN'S COTTON HALF HOSE AND MEN'S WOOL HALF HOSE.
Claims use since June 18, 1940.

Ser. No. 541,078. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Nov. 14, 1947.

BUR-MIL

Applicant claims ownership of Registration No. 383,398.
FOR MEN'S COTTON HOSE AND MEN'S WOOL HOSE.
Claims use since June 18, 1940.

Ser. No. 542,249. J. SCHOENEMAN, INC., Baltimore, Md. Filed Aug. 22, 1947.

Haddonfield

FOR COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOP COATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS.
Claims use since June 1, 1925.

Ser. No. 542,266. THE ATLAS UNDERWEAR COMPANY, Piqua Ohio. Filed Nov. 25, 1947.

Atlas

Applicant claims ownership of Registration No. 240,768.
FOR MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR, INCLUDING KNITTED AND WOVEN SHORTS AND UNION SUITS, AND KNITTED SHIRTS, DRAWERS, AND ATHLETIC SHIRTS, AND PAJAMAS.
Claims use since 1900.

Ser. No. 543,657. CHESTER H. ROTH CO., INC., New York, N. Y. Filed Dec. 6, 1947.

Lady Esquire

Applicant claims ownership of Registration No. 168,186.
FOR WOMEN'S AND CHILDREN'S HOSIERY.
Claims use since Nov. 17, 1947.

Ser. No. 544,615. THE SHIRTCRAFT COMPANY, INC., New York, N. Y. Filed Dec. 17, 1947.

LUCKY-TEN-STRIKE

FOR MEN'S AND BOYS' OUTER SHIRTS.
Claims use since Sept. 1, 1940.

Ser. No. 545,404. STYLEPARK HATS, INC., Philadelphia, Pa. Filed Dec. 24, 1947. Under section 2f of the act of 1946.

DANDYLITE

Applicant claims ownership of Registration No. 380,517.
FOR MEN'S, BOYS', AND WOMEN'S HATS OF FELT AND STRAW.
Claims use since Apr. 7, 1939.

Ser. No. 545,999. H. W. LAWSON MANUFACTURING COMPANY, Los Angeles, Calif. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

Lawson

Applicant claims ownership of Registration No. 418,589.
FOR MEN'S, WOMEN'S, AND CHILDREN'S GARMENTS—NAMELY, COATS, SUITS, BLOUSES, JACKETS, SHIRTS, SKIRTS, BREECHES, KNICKERS, VESTS, MIDDIES, MIDDY SKIRTS, BLOOMERS, PLAYSUITS, OVERALLS, AUTO COATS, JUMPERS, PYJAMAS, NIGHTSHIRTS, NEGLIGEE SHIRTS, AND NIGHTGOWNS.
Claims use since Jan. 16, 1916.

Ser. No. 546,000. H. W. LAWSON MANUFACTURING COMPANY, Los Angeles, Calif. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

LAWSON QUALITY

The word "Quality" is disclaimed apart from the mark.
Applicant claims ownership of Registration No. 418,589.
FOR MEN'S, WOMEN'S, AND CHILDREN'S GARMENTS—NAMELY, COATS, SUITS, BLOUSES, JACKETS, SHIRTS, SKIRTS, BREECHES, KNICKERS, VESTS, MIDDIES, MIDDY SKIRTS, BLOOMERS, PLAYSUITS, OVERALLS, AUTO COATS, JUMPERS, PYJAMAS, NIGHTSHIRTS, NEGLIGEE SHIRTS, AND NIGHTGOWNS.
Claims use since Mar. 1, 1916.

Ser. No. 546,003. R. H. MACY & CO., INC., New York, N. Y. Filed Jan. 2, 1948.

Saybrooke

Applicant claims ownership of Registrations Nos. 211,322 and 232,811.
FOR MEN'S SUITS AND LEATHER SHOES.
Claims use since Feb. 12, 1925.

Ser. No. 546,012. G. C. MURPHY COMPANY, McKeesport, Pa. Filed Jan. 2, 1948.

Carolina Moon

FOR WOMEN'S HOSIERY.
Claims use since January 1935.

Ser. No. 546,054. HART SCHAFFNER & MARX, Chicago, Ill. Filed Jan. 2, 1948.

Towertown

Applicant claims ownership of Registration No. 343,589.
FOR MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES.
Claims use since Oct. 6, 1936.

Ser. No. 546,055. HART SCHAFFNER & MARX, Chicago, Ill. Filed Jan. 2, 1948.

Varsity

Applicant claims ownership of Registration No. 111,093.
FOR COATS, VESTS, TROUSERS, OVERCOATS, AND RAINCOATS.
Claims use since November 1900.

Ser. No. 546,416. NEW JERSEY RUBBER COMPANY, Taunton, Mass. Filed Jan. 7, 1948.



Applicant claims ownership of Registration No. 240,633.
FOR RUBBER HEELS, RUBBER TAPS, AND RUBBER SOLES.
Claims use since Sept. 5, 1927.

Ser. No. 546,553. BURGAND SHIRT COMPANY, INCORPORATED, New Haven, Conn. Filed Jan. 9, 1948.

Burgand

FOR MEN'S DRESS SHIRTS AND MEN'S SPORT SHIRTS.
Claims use since Oct. 15, 1947.

Ser. No. 546,882. STEIN-SULKIS SHOE CO., Haverhill, Mass. Filed Jan. 13, 1948.

"Glory Bee"

FOR WOMEN'S, MISSES', AND CHILDREN'S SHOES OF ALL KINDS.
Claims use since Sept. 5, 1947.

Ser. No. 547,247. R. W. ELDRIDGE CO., INC., Charlotte, N. C. Filed Jan. 16, 1948.



FOR HANDKERCHIEFS.
Claims use since 1927.

Ser. No. 547,441. GILMAR SHIRT CO., INC., New York, N. Y. Filed Jan. 19, 1948.



FOR MEN'S TOP SHIRTS AND SPORT SHIRTS.
Claims use since Oct. 20, 1947.

Ser. No. 547,931. NORWICH KNITTING COMPANY, Norwich, N. Y. Filed Jan. 24, 1948.

NICKEY

Applicant claims ownership of Registration No. 345,111.
FOR SWEAT SHIRTS, POLO SHIRTS, JACKETS, UNDERSHIRTS, OUTERSHIRTS, PLAYSUITS, SWEATERS, BEACH ROBES, SLACKS, SHORTS, BEACH HALTERS, AND BEACH OVERALLS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Nov. 19, 1936.

Ser. No. 549,198. THE WALLACE CO., INC., Philadelphia, Pa. Filed Feb. 9, 1948.

Wonderkord

FOR WOMEN'S AND MISSES' TWOPIECE SUITS.
Claims use since Jan. 15, 1948.

Ser. No. 549,367. HEWES & POTTER, INC., Boston, Mass. Filed Nov. 18, 1947.
Applicant claims ownership of Registrations Nos. 77,313, 78,098, 77,462, and 77,463.



FOR SUSPENDERS, GARTERS, ARM BANDS, AND BELTS FOR GARMENTS.
Claims use since Apr. 7, 1905.

Ser. No. 550,520. JOAN KENLEY, INC., New York, N. Y. Filed Feb. 26, 1948.

IMPROMPTU

FOR WOMEN'S AND MISSES' BLOUSES AND DRESSES.
Claims use since May 3, 1937.

Ser. No. 551,228. ANNA LOUISE S. CARROLL, New York, N. Y. Filed Mar. 5, 1948.

SNAPRON

FOR APRONS.
Claims use since Jan. 6, 1948.

Ser. No. 552,379. WILLIAM HAHN & COMPANY, Washington, D. C. Filed Dec. 29, 1947. Under section 2f of the act of 1946.

stratford

Applicant claims ownership of Registration No. 318,495.
FOR SHOES MADE OF LEATHER, RUBBER, FABRICS, AND/OR COMBINATIONS THEREOF.
Claims use since Mar. 1, 1933.

Ser. No. 553,490. HAGE & ATRAK CO., Brooklyn, N. Y. Filed Mar. 31, 1948.

Dela-Ann

FOR WOMEN'S, MISSES', AND CHILDREN'S HOUSE COATS AND LOUNGING, BATH, AND BEACH ROBES.
Claims use since Feb. 2, 1948.

Ser. No. 553,639. PETER PAN FOUNDATIONS, INC., New York, N. Y. Filed Apr. 1, 1948.

Be-Mine

FOR BRASSIÈRES.
Claims use since Mar. 4, 1948.

Ser. No. 554,786. HIRSCH TYLER COMPANY, Philadelphia, Pa. Filed Apr. 16, 1948.

HT

FOR MILITARY UNIFORMS FOR THE ARMED FORCES, RESERVE, VETERAN AND AUXILIARY ORGANIZATIONS; MILITARY TYPE UNIFORMS FOR SCHOOLS AND BANDS; UNIFORMS FOR GOVERNMENTAL EMPLOYEES INCLUDING POSTMEN, POLICEMEN, AND FIREMEN; INDUSTRIAL UNIFORMS FOR TRANSIT AND UTILITY EMPLOYEES, UNIFORMS FOR GUARDS, MOTION PICTURE EMPLOYEES AND DOORMEN; UNIFORMS FOR SERVANTS AND SERVICE EMPLOYEES; UNIFORMS FOR FRATERNAL ORGANIZATIONS, CLUBS AND THE LIKE.
Claims use since Dec. 15, 1939.

Ser. No. 556,446. STEPHEN JAY CO., INC., New York, N. Y. Filed May 7, 1948.

Jaydette

FOR GIRDLES.
Claims use since Mar. 5, 1948.

Ser. No. 557,005. BIFLEX FOUNDATIONS, INC., New York, N. Y. Filed May 14, 1948.

VERVE

FOR BRASSIÈRES, GIRDLES, AND FOUNDATION GARMENTS.
Claims use since Apr. 1, 1948.

Ser. No. 557,320. THE SUPERB GLOVE COMPANY, Johnstown, N. Y. Filed May 18, 1948.

RONDURE

FOR MEN'S, WOMEN'S, AND CHILDREN'S GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Jan. 12, 1948.

Ser. No. 558,721. HIRSCH TYLER COMPANY, Philadelphia, Pa. Filed June 8, 1948. Under section 2f of the act of 1946.

Precision

FOR MILITARY UNIFORMS FOR THE ARMED FORCES, RESERVE, VETERAN AND AUXILIARY ORGANIZATIONS; MILITARY TYPE UNIFORMS FOR SCHOOLS AND BANDS; UNIFORMS FOR GOVERNMENTAL EMPLOYEES INCLUDING POSTMEN, POLICEMEN, AND FIREMEN; INDUSTRIAL UNIFORMS FOR TRANSIT AND UTILITY EMPLOYEES; UNIFORMS FOR GUARDS, MOTION PICTURE EMPLOYEES, AND DOORMEN; UNIFORMS FOR SERVANTS AND SERVICE EMPLOYEES; UNIFORMS FOR FRATERNAL ORGANIZATIONS, CLUBS, AND THE LIKE.
Claims use since May 26, 1943.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 563,071. CYRUS LOMBARDI, Brooklyn, N. Y. Filed Aug. 9, 1948.

CIRO

FOR NYLON BUCKLES FOR BRASSIÈRES.
Claims use since Mar. 10, 1948.

Ser. No. 563,788. NAME-MAKER CORPORATION, New York, N. Y. Filed Aug. 20, 1948.

JIFFY

FOR NAME TAPES.
Claims use since Aug. 6, 1948.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 534,400. VERNEY FABRICS CORPORATION, New York, N. Y., assignor to Verney Corporation, Boston, Mass., a corporation of New Hampshire. Filed Sept. 12, 1947.

Ch'Intang

FOR PIECE GOODS OF RAYON, COTTON, WOOL, SILK, AND MIXTURES THEREOF.
Claims use since Apr. 1, 1945.

Ser. No. 540,528. DENSTEN FELT & HAIR COMPANY, Philadelphia, Pa. Filed Nov. 8, 1947.

NEEDLETONE

FOR WOOL BROADFELT CARPETS.
Claims use since June 2, 1947.

Ser. No. 545,692. BOTANY MILLS, INC., Passaic, N. J. Filed Dec. 30, 1947.

Coruma

FOR WOOLEN FABRICS IN THE PIECE.
Claims use since July 17, 1947.

Ser. No. 550,667. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Feb. 27, 1948.

BROADLYN

FOR PIECE GOODS OF COTTON AND SYNTHETIC FIBERS.
Claims use since Feb. 24, 1948.

Ser. No. 555,096. ARTHUR S. HEIMAN, INC., New York, N. Y. Filed Apr. 20, 1948.

FYLON

FOR PIECE GOODS OF NYLON AND COTTON COMBINATIONS, AND/OR RAYON AND COMBINATIONS THEREOF.
Claims use since Apr. 8, 1948.

Ser. No. 557,642. WEIL BROS. TEXTILES INC., New York, N. Y. Filed May 22, 1948.

Loma-Loom

The word "Loom" is disclaimed.
FOR TEXTILE CARPETS AND RUGS WITH SPONGE RUBBER BACKING.
Claims use since Dec. 30, 1947.

Ser. No. 558,968. S. STROOCK & CO. INC., New York, N. Y. Filed June 10, 1948.

WANDERER

FOR WOVEN CLOTH COMPOSED OF WOOL AND MOHAIR FIBERS, OR A MIXTURE THEREOF, BY THE PIECE.
Claims use since Apr. 19, 1943.

Ser. No. 562,316. BOTANY MILLS, INC., Passaic, N. J. Filed July 28, 1948.

GABARWALE

Applicant claims ownership of Registration No. 433,610.
FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since November 1938.

Ser. No. 566,051. GEORGE TINGEY & CO., LIMITED, Manchester, England. Filed Sept. 28, 1948.

NUVOLA

FOR PIECE GOODS OF COTTON OR RAYON AND MIXTURES OF THESE MATERIALS.
Claims use since Jan. 2, 1929.

Ser. No. 566,852. BATES MANUFACTURING COMPANY, Lewiston, Maine. Filed Oct. 12, 1948.

CHARMORAL

FOR COTTON PIECE GOODS.
Claims use since Jan. 19, 1948.

Ser. No. 566,853. BATES MANUFACTURING COMPANY, Lewiston, Maine. Filed Oct. 12, 1948.

HOLANDA

FOR COTTON PIECE GOODS.
Claims use since Jan. 19, 1948.

Ser. No. 567,077. HAMMERMAN & FINN, INC., New York, N. Y. Filed Oct. 16, 1948.

REVERSO

FOR TABLE CLOTHS MADE OF PLASTIC FILM.
Claims use since May 12, 1948.

Ser. No. 567,200. LOCKPORT FELT COMPANY, Newfane, N. Y. Filed Oct. 19, 1948.

tENAx

Applicant claims ownership of Registration No. 266,519.
FOR FABRICS MADE OF WOOL AND SYNTHETIC FIBERS.
Claims use since Sept. 12, 1947.

Ser. No. 567,234. CHATHAM MANUFACTURING COMPANY, Elkin, N. C. Filed Oct. 20, 1948.

"AIRLOOM"

Applicant claims ownership of Registrations Nos. 248,861, 355,361, and 201,712.
FOR BLANKETS.
Claims use since June 22, 1928.

Ser. No. 567,781. CROMPTON COMPANY, Crompton, R. I. Filed Oct. 28, 1948.

FAVORSET

FOR FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS.
Claims use since Oct. 8, 1948.

CLASS 43

THREAD AND YARN

Ser. No. 562,997. LLOYD MANUFACTURING CO., INC., Apponaug, R. I. Filed Aug. 7, 1948.

TRUFLEX

FOR RUBBER THREAD.
Claims use since July 13, 1948.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 559,572. HENRY P. BOOR DENTAL LABORATORIES, INC., Minneapolis, Minn. Filed June 18, 1948.

Repro-Tec

FOR DENTURES.
Claims use since Apr. 8, 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 510,529. THE COCA-COLA EXPORT CORPORATION, New York, N. Y., assignee of The N. V. Nederlandsche Coca-Cola Maatschappij. Filed Oct. 20, 1948; originally filed, act of 1905, Oct. 9, 1946.

FANTA

Applicant claims ownership of Dutch Registration No. 76,130, dated Mar. 20, 1941.
FOR NON-ALCOHOLIC NON-CEREAL MALTLESS BEVERAGES SOLD AS SOFT DRINKS.

Ser. No. 544,780. THE SEVEN-UP BOTTLING CO. OF BALTIMORE, INC., doing business as Caton Spring Water Co., Catonsville, Md. Filed Dec. 18, 1947. Under section 2f of the act of 1946.

Caton

Applicant claims ownership of Registration No. 398,262.
FOR GINGER ALE AND SPRING WATER.
Claims use since Jan. 1, 1903.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 496,367. GEORGE R. BEWLEY, doing business under the name and style of Niagara Frontier Canning Company, Lockport, N. Y. Filed Jan. 14, 1948; originally filed, act of 1905, Feb. 11, 1946.

Bewley

FOR CANNED TOMATO JUICE, CANNED TOMATOES, AND FROZEN DECIDUOUS FRUITS, AND FROZEN VEGETABLES.
Claims use since 1908.

Ser. No. 518,800. ARTHUR P. GUMS, North Judson, Ind. Filed Oct. 29, 1947; originally filed, act of 1905, Mar. 11, 1947.

POWER LINE



The lining in the drawing is for shading and pictures shown therein are fanciful and not those of any known persons.
FOR POTATOES IN THEIR NATURAL STATE.
Claims use since September 1941.

Ser. No. 530,411. FREDERICK F. LOWENFELS & SON, New York, N. Y. Filed Aug. 4, 1947. Under section 2f of the act of 1946.

HOTEL BAR

No registration rights are claimed herein for the word "Bar" apart from the mark as shown. Applicant claims ownership of Registration No. 302,164.
FOR BUTTER.
Claims use since July 24, 1931.

Ser. No. 534,746. CHOCOLATS FJORD S. A., Geneva, Switzerland. Filed Sept. 17, 1947.

FJORDINE

Applicant claims ownership of Swiss Registration No. 102,863, dated Sept. 18, 1942.
FOR CHOCOLATE IN SLABS AND CANDY.

Ser. No. 535,415. VAN DUSEN HARRINGTON CO., Minneapolis, Minn. Filed Sept. 23, 1947.

WHITE OAK

The drawing is lined to indicate colors blue and red but no claim is made to coloring as an essential feature of the mark. Applicant claims ownership of Registrations Nos. 233,365 and 233,364.
FOR WHEAT FLOUR.
Claims use since 1914.

Ser. No. 538,334. WESTGATE SEA PRODUCTS CO., San Diego, Calif. Filed Oct. 18, 1947. Under section 2f of the act of 1946.

CORTEZ

Applicant claims ownership of Registration No. 373,450.
FOR CANNED FISH.
Claims use since Jan. 1, 1919.

Ser. No. 541,675. HENRY AND HENRY, INC., Buffalo, N. Y. Filed Nov. 19, 1947.

COLONY KITCHEN

The word "Kitchen" is disclaimed apart from the mark.
FOR JELLY.
Claims use since Oct. 6, 1947.

Ser. No. 542,058. TEMPE CITRUS COMPANY, Tempe, Ariz. Filed Nov. 22, 1947.

Tempeco GROVES

The word "Groves" is disclaimed.
FOR FRESH CITRUS FRUIT.
Claims use since Nov. 3, 1947.

Ser. No. 542,786. SANTA CLARA PACKING COMPANY, San Jose, Calif. Filed Nov. 29, 1947.

Glen Cove

Applicant claims ownership of Registration No. 379,198.
FOR CANNED FRUITS, CANNED VEGETABLE JUICES FOR FOOD PURPOSES.
Claims use since August 1933.

Ser. No. 543,378. AMERICAN CHEWING PRODUCTS CORP., Newark, N. J. Filed Dec. 5, 1947.

KISS A BELL

FOR CHEWING GUM.
Claims use since Nov. 25, 1947.

Ser. No. 546,168. ATWOOD COFFEE COMPANY, doing business as Atwood Coffee Co., Minneapolis, Minn. Filed Jan. 5, 1948.

MOSUCO

FOR COFFEE.
Claims use since July 15, 1929.

Ser. No. 546,272. ALLEN & SMITH CO. INC., Richmond, Va. Filed Jan. 6, 1948.

GOODNUFF



The portrait of the Indian boy is fanciful. Applicant claims ownership of Registrations Nos. 100,692 and 277,966.
FOR SALTED PEANUTS AND PEANUT CANDY.
Claims use since Sept. 15, 1945, in the present form; and since Jan. 20, 1908, on the word mark.

Ser. No. 546,546. BALL & TWEEDY ASSOCIATION, also doing business as Ball & Tweedy, Downey, Calif. Filed Jan. 9, 1948.

CONDOR

FOR FRESH CITRUS FRUITS.
Claims use since 1918.

Ser. No. 546,878. SANTA PAULA ORANGE ASSOCIATION, Santa Paula, Calif. Filed Jan. 13, 1948.

NIMBLE

FOR FRESH CITRUS FRUITS.
Claims use since 1943.

Ser. No. 548,407. PORTLAND PACKING CO., Portland, Maine. Filed Jan. 30, 1948.

STAR BRAND

The word "Brand" is disclaimed. Applicant claims ownership of Registration No. 54,176.
FOR CANNED CLAMS.
Claims use since May 1866.

Ser. No. 567,382. THE BEST FOODS, INC., New York, N. Y. Filed Oct. 21, 1948. Under section 2f of the act of 1946.

HELLMANN'S

Applicant claims ownership of Registration No. 252,155.
FOR MAYONNAISE, SALAD DRESSINGS, SANDWICH SPREAD, AND TARTAR SAUCE.
Claims use since Aug. 1, 1926.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 528,249. BEVERWYCK BREWERIES, INC., Albany, N. Y. Filed July 10, 1947.

IRISH BRAND CREAM ALE BEVERWYCK

Applicant disclaims the words "Irish Brand Cream Ale" and "Beverwyck Breweries, Inc." apart from the mark as shown. Applicant claims ownership of Registrations Nos. 345,323, 386,531, and 386,532.
FOR ALE.
Claims use since September 1940.

Ser. No. 539,543. MATT BREWING CO., Bellaire, Ohio. Filed Oct. 30, 1947.

1884

FOR ALE.
Claims use since June 1940.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 539,936. CAT'S PAW RUBBER COMPANY, INC., Baltimore, Md. Filed Nov. 3, 1947.



Applicant claims ownership of Registration No. 334,107.
FOR STRIP MATERIAL OF NATURAL AND SYNTHETIC RUBBER AND COMPOSITIONS THEREOF, ADAPTED FOR USE BY SHOE REPAIRMEN IN THE MAKING OF RUBBER HEELS AND THE LIKE.
Claims use since Dec. 1, 1944.

CLASS 55

SERVICES

Ser. No. 543,275. COMPECO DYE WORKS, INC., Norfolk, Va. Filed Dec. 4, 1947. SERVICE MARK.

Compeco

FOR CLEANING, PRESSING, AND DYEING OF WEARING APPAREL, HOUSEHOLD ARTICLES, AND THE LIKE.
Claims use since Aug. 1, 1920.

Ser. No. 545,743. INDUSTRIAL PRECISION GRINDING CO., Chicago, Ill. Filed Dec. 30, 1947. SERVICE MARK.



Applicant disclaims the words "Industrial Precision Grinding Co." The representation of the figure of a man in the drawing is lined for the color red.
FOR FINISH MACHINING SERVICES INCLUDING INTERNAL AND EXTERNAL GRINDING AND POLISHING OPERATIONS AND CENTERLESS GRINDING AND POLISHING OPERATIONS ON MANUFACTURED PARTS.
Claims use since Dec. 8, 1947.

Ser. No. 553,016. PROFESSIONAL BUDGET PLAN, Madison, Wis. Filed Mar. 25, 1948. SERVICE MARK. Under section 2f of the act of 1946.



The drawing is lined for the color black but color is not claimed as a feature of the mark. The words "A National Organization Madison, Wisconsin" are disclaimed apart from the mark as shown.
FOR BUSINESS AND PROFESSIONAL CONSULTATION AND PLANNING SERVICES FOR THE MEDICAL AND DENTAL PROFESSIONS.
Claims use since 1933.

Ser. No. 553,018. PROFESSIONAL BUDGET PLAN, Madison, Wis. Filed Mar. 25, 1948. SERVICE MARK. Under section 2f of the act of 1946.

PBP

FOR BUSINESS AND PROFESSIONAL CONSULTATION AND PLANNING SERVICES FOR THE MEDICAL AND DENTAL PROFESSIONS.
Claims use since 1933.

Ser. No. 558,759. SOUTHWEST AIRWAYS COMPANY, San Francisco, Calif. Filed June 8, 1948. SERVICE MARK.



FOR TRANSPORTATION OF CARGO AND PASSENGERS BY AIRCRAFT.
Claims use since Apr. 1, 1941.

Ser. No. 559,833. CONTINENTAL AIR LINES, INC., Denver, Colo. Filed June 21, 1948. SERVICE MARK.

The Blue Skyway

The drawing is lined for the color blue.
FOR AIR TRANSPORTATION OF PASSENGERS AND CARGO.
Claims use since Jan. 16, 1948.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

442,579. BAND-STRAPPING AND BOX TYING EQUIPMENT—NAMELY, BAND AND STRAP OF METAL AND WIRE, FASTENING TIES THEREFOR, AND TOOLS AND MACHINES FOR APPLYING, TIGHTENING, ATTACHING, AND LOCKING SAID TYING MATERIAL, AND HYDRAULIC PUMP JACKS. HARVEY MACHINE CO., INC., Los Angeles, Calif.
Filed Jan. 29, 1945, Serial No. 479,125. Published Jan. 11, 1949. Class 23.

442,580. HOLDING DEVICES, SPECIFICALLY NARROW STRIPS OF FAIRLY HEAVY PAPER WITH CORES OF LIGHT WIRE, ETC. C. ARTHUR MAY, doing business as Cam Manufacturing Co., Lakewood, R. I.
Filed May 4, 1945, Serial No. 482,908. Published Jan. 4, 1949. Class 24.

442,581. PORTABLE ELECTRIC TOOLS FOR USE IN SUCH CRAFT WORK AS DRILLING, BORING, GRINDING, BUFFING, BURNISHING, SCREW DRIVING, NUT RUNNING, TAPPING, AND THE LIKE. THE BLACK & DECKER MANUFACTURING COMPANY, Towson, Md.
Filed June 12, 1945, Serial No. 484,438. Published Jan. 11, 1949. Class 21.

442,582. WOOLEN FABRICS IN THE PIECE FOR MEN'S CLOTHING. PACIFIC MILLS, Boston, Mass., and New York, N. Y.
Filed June 13, 1945, Serial No. 484,496. Published Jan. 11, 1949. Class 42.

442,583. POWER OPERATED LIFT TRUCKS DESIGNED FOR USE IN LIFTING, UNLOADING, TRANSFERRING, STACKING AND THE LIKE, OF MERCHANDISE, CARGO LOADERS, ETC. CARGAIR, INC., Los Angeles, Calif.
Filed June 29, 1945, Serial No. 485,192. Published Jan. 11, 1949. Class 23.

442,584. COLLOID MILLS, HOMOGENIZERS, GRINDERS, COMMINUTORS, AND MIXERS, ETC. PREMIER MILL CORPORATION, Geneva, N. Y.
Filed Aug. 6, 1945, Serial No. 486,610. Published Jan. 4, 1949. Class 23.

442,585. MOUTH-PIECES AND REEDS FOR MUSICAL INSTRUMENTS. DONALD S. REINHARDT, New York, N. Y.
Filed Aug. 6, 1945, Serial No. 486,812. Published Jan. 18, 1949. Class 36.

442,586. METERS—NAMELY, ROTARY PRECISION METERS AND LINE METERS OF THE TYPE ADAPTED FOR MEASURING QUANTITY FLOW OF FLUIDS. GRANBERG EQUIPMENT, INC., Oakland, Calif.
Filed Aug. 27, 1945, Serial No. 487,617. Published Dec. 28, 1948. Class 26.

442,587. BOTTLES AND CANS MADE OF PLASTIC AND METAL AND SOLD EMPTY IN TRADE. BOX, LTD., New York, N. Y.
Filed Oct. 9, 1945, Serial No. 489,644. Published Jan. 18, 1949. Class 2.

442,588. WOMEN'S HOSIERY. SAMALTO HOSIERY MILLS, Perkasie, Pa.
Filed Nov. 9, 1945, Serial No. 491,364. Published Apr. 2, 1946. Class 39.

442,589. MEN'S, WOMEN'S, AND CHILDREN'S COIFFURE RETAINING CAPS, PROTECTORS FOR THE HAIR, CAPS USED FOR MAKE-UP, SHOWER AND RAIN, WATERPROOF PROTECTIVE COVERINGS FOR THE HEAD AND BODY; AND WOMEN'S AND CHILDREN'S WATERPROOF APRONS AND PANTS. AVIATRIX CO., New York, N. Y.
Filed Dec. 29, 1945, Serial No. 494,004. Published Dec. 14, 1948. Class 39.

442,590. APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, DRESS, NEGLIGEE, WORK AND SPORTS SHIRTS, ETC. MARLBORO SHIRT COMPANY, INC., Baltimore, Md.
Filed Jan. 16, 1946, Serial No. 494,855. Published Apr. 27, 1948. Class 39.

442,591. GELATINE FOR USE AS FOOD OR AS AN INGREDIENT IN FOOD. B. YOUNG & COMPANY LIMITED, London, England.
Filed Mar. 23, 1946, Serial No. 498,874. Published Jan. 11, 1949. Class 46.

442,592. SPRING UPHOLSTERY UNITS. MURRAY M. WEINGARTEN, New York, N. Y.
Filed Mar. 30, 1946, Serial No. 499,364. Published Jan. 11, 1949. Class 32.

442,593. PLASTIC SHEETS OR FILMS HAVING ELASTIC PROPERTIES, ETC. MILPRINT, INC., Milwaukee, Wis.
Filed Apr. 4, 1946, Serial No. 499,646. Published Jan. 11, 1949. Class 42.

442,594. CLOSET ACCESSORIES—NAMELY, STORAGE CASES, STORAGE BAGS, AND STORAGE BOXES MADE OF TEXTILES, PLASTICS, CARDBOARD, LEATHER, AND COMBINATIONS OF SAID MATERIALS AND SERVING FOR STORING HATS, SHOES, HANDKERCHIEFS, HOSIERY, GARMENTS, BLOUSES, AND LINGERIE. HERVEY ASSOCIATES, New York, N. Y.
Filed Apr. 12, 1946, Serial No. 500,082. Published Jan. 18, 1949. Class 2.

442,595. BREAD AND ROLLS. COOK BAKING CO., Freeport, Ill.
Filed Apr. 13, 1946, Serial No. 500,166. Published Jan. 11, 1949. Class 46.

442,596. TRAINING DEVICES COMPOSED OF A TRAY AND COMPARTMENTED FOOD DISH ATTACHABLE TO HIGH CHAIRS OR TABLES. STOUT-LINDRAY, INC., East Cleveland, Ohio.
Filed Apr. 20, 1946, Serial No. 500,635. Published Jan. 11, 1949. Class 2.

442,597. HYDRAULIC POWER UNITS FOR ATTACHMENT TO TRACTORS FOR SUPPLYING POWER FOR THE OPERATION OF LOADING, LIFTING, AND MATERIAL MOVING DEVICES, AND FOR MECHANICAL POWER TAKE-OFF UNITS. GEO. D. ROPER CORPORATION, Rockford, Ill.
Filed May 4, 1946, Serial No. 501,475. Published Jan. 11, 1949. Class 23.

442,598. GLASS TUBING PRE-COATED WITH FLUORESCENT CHEMICALS FOR ASSEMBLY WITH ELECTRODES AND OTHER PARTS TO FORM COMPLETE FLUORESCENT LAMP TUBES. GENERAL LUMINESCENT CORPORATION, Chicago, Ill.
Filed June 6, 1946, Serial No. 503,362. Published Dec. 21, 1948. Class 21.

442,599. STILL FILM STRIP PROJECTOR. CARROLL H. DUNNING, Los Angeles, Calif.
Filed June 29, 1946, Serial No. 504,826. Published Jan. 4, 1949. Class 26.

442,600. SHOES, SLIPPERS, AND MOCCASINS. HUSSCO SHOE COMPANY, Honesdale, Pa.
Filed July 13, 1946, Serial No. 505,584. Published June 1, 1948. Class 39.

442,601. PREPARATION FOR FACE BEAUTIFIER FOR THE TREATMENT OF THE SKIN AND RUBBING COMPOUNDS FOR USE IN MESSAGE. IVAN SEMIC, doing business as Carah-Carah Cosmetic Co., Los Angeles, Calif.
Filed July 22, 1946, Serial No. 506,062. Published Jan. 18, 1949. Class 6.

442,602. MISSES', GIRLS', AND BOYS' POLO SHIRTS AND SWEATERS. CARL GUTMANN & CO., INC., New York, N. Y.
Filed July 25, 1946, Serial No. 506,238. Published Jan. 4, 1949. Class 39.

442,603. ELECTRICALLY OPERATED AGITATING AND PAPER ALIGNING MACHINES. M. L. ARRAMA COMPANY, Cleveland, Ohio.
Filed Aug. 2, 1946, Serial No. 506,720. Published Dec. 21, 1948. Class 21.

442,604. DEVICE ADAPTED FOR MANUAL SETTING AND DISPOSED AT A POINT REMOTE FROM AN EVAPORATIVE COOLER TO AUTOMATICALLY OPEN AND CLOSE OR PARTIALLY OPEN AND CLOSE A DAMPER IN THE EXHAUST CONDUIT OF THE COOLER TO VARY THE C. F. M. OF AIR EXHAUSTED FROM THE COOLER. ARCHIE S. FEINBERG, doing business as Great National Air Conditioning Company, Dallas, Tex.
Filed Sept. 14, 1946, Serial No. 509,083. Published Dec. 28, 1948. Class 26.

442,605. WORK SHIRTS. S. ROSENBLOOM, INC., Baltimore, Md.
Filed Oct. 1, 1946, Serial No. 510,030. Published Aug. 3, 1948. Class 39.

442,606. COGNACS AND ARMAGNACS. ETABLISSEMENTS VITRY-VAUCLUSE, SOCIETE RESPONSABILITE LIMITEE, Seine, France.
Filed Oct. 19, 1946, Serial No. 511,186. Published Jan. 18, 1949. Class 49.

442,607. WORK SHIRTS, WORK PANTS, OVERALLS, JUMPERS, AND DUNGAREES. WASHINGTON MANUFACTURING COMPANY, Nashville, Tenn.
Filed Oct. 29, 1946, Serial No. 511,715. Published Dec. 14, 1948. Class 39.

442,608. IMPERVIOUS CORROSION-RESISTANT PLASTIC LININGS FOR METAL STORAGE TANKS. THE B. F. GOODRICH COMPANY, Akron, Ohio, and New York, N. Y.
Filed Nov. 8, 1946, Serial No. 512,232. Publisher Jan. 11, 1949. Class 2.

442,609. INDICATING GAUGES—NAMELY, GAUGES FOR MEASURING THE LEVEL OF LIQUIDS IN TANKS AND VESSELS CONTAINING LIQUIFIED PETROLEUM GASES, SUCH AS BUTANE AND PROPANE, AND OTHER LOW SPECIFIC GRAVITY LIQUIDS. ROCHESTER MANUFACTURING CO., INC., Rochester, N. Y.
Filed Nov. 9, 1946, Serial No. 512,345. Published July 27, 1948. Class 26.

442,610. FRESH PEACHES, APPLES, CELERY, MELONS, AND GARDEN VEGETABLES. TRAMARC'a VALLEY OF HEALTH, Denver, Colo.
Filed Nov. 12, 1946, Serial No. 512,629. Published Feb. 10, 1948. Class 46.

442,611. LUBRICATING OIL. CHARLES J. OPDYKE, doing business as Ko-Lube Co., Lansing, Mich.
Filed Nov. 18, 1946, Serial No. 512,783. Published Nov. 30, 1948. Class 15.

442,612. PLASTIC HANDLES FOR CUTLERY. CAMILLUS CUTLERY COMPANY, New York, N. Y.
Filed Dec. 9, 1946, Serial No. 513,925. Published Jan. 20, 1948. Class 23.

442,613. FOODS AND INGREDIENTS OF FOODS—NAMELY, CANNED CHOP SUEY, CHOW MEIN, CANNED CHOW MEIN NOODLES, CANNED BEAN SPROUTS, BEAD MOLASSES, AND SOY SAUCES FOR FOOD FLAVORING PURPOSES. BEN-GEE PRODUCTS, INC., Chicago, Ill.
Filed Jan. 13, 1947, Serial No. 515,651. Published Jan. 18, 1949. Class 46.

442,614. KEY GUIDES FOR CONTROL VALVES FOR SPRINKLER SYSTEMS. ROBERT W. THOMPSON, Berkeley, Calif.
Filed Jan. 21, 1947, Serial No. 516,009. Published Jan. 18, 1949. Class 13.

442,615. PLASTIC FILM SHEETING WITH A COTTON BACKING, MADE ESPECIALLY FOR UPHOLSTERY PURPOSES, AND SOLD IN THE PIECE. STUART MANSFIELD CO., INC., New York, N. Y.
Filed Jan. 27, 1947, Serial No. 516,449. Published Jan. 11, 1949. Class 42.

442,616. SILK AND RAYON FABRICS IN THE PIECE. RAXON FABRICS CO., New York, N. Y., assignor to Raxon Fabrics Corp., New York, N. Y., a corporation of New York.
Filed Jan. 30, 1947, Serial No. 516,634. Published May 6, 1947. Class 42.

442,617. MEN'S, WOMEN'S AND CHILDREN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF. JACOB KANDEL, doing business as Kandel Shoe Co., New York, N. Y.
Filed Feb. 3, 1947, Serial No. 516,849. Published Dec. 21, 1948. Class 39.

442,618. PIGMENT DISPERSIONS, PIGMENTS FOR THE PAINT TRADE, ETC. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed Feb. 4, 1947, Serial No. 516,897. Published Dec. 28, 1948. Class 16.

442,619. BOOTS AND SHOES MADE OF LEATHER AND FABRIC. SHIELDS SLIPPER CORPORATION, Bombay, N. Y.
Filed Feb. 7, 1947, Serial No. 517,170. Published Dec. 21, 1948. Class 39.

442,620. CATTLE CHUTES OF THE TRANSPORTABLE VARIETY; APPARATUS IN WHICH CATTLE CAN BE PENNED AND HELD IN REQUIRED IMMOBILE POSITIONS FOR BRANDING, DEHORNING, AND THE LIKE. HENRY C. WHITWORTH, doing business as Whitworth Supply, Scott City, Kans.
Filed Feb. 14, 1947, Serial No. 517,539. Published Jan. 4, 1949. Class 23.

442,621. TIRE INFLATION AND FIRE EXTINGUISHING UNIT COMPRISED OF A CYLINDER FILLED WITH COMPRESSED CARBON DIOXIDE. POWER-PAK PRODUCTS, INC., Buffalo, N. Y.
Filed Feb. 15, 1947, Serial No. 517,686. Published Jan. 11, 1949. Class 23.

442,622. APPARATUS FOR TESTING AND TRAINING OF VISION—NAMELY, A TRIPLE SLIDE HOLDER ASSEMBLY WITH MICROMETER ADJUSTMENT PROVIDING FOR EQUAL BUT OPPOSITELY DIRECTED MOTIONS OF TWO SLIDE HOLDERS AGAINST A STATIONARY THIRD SLIDE. KEYSTONE VIEW COMPANY, Meadville, Pa.
Filed Feb. 20, 1947, Serial No. 517,853. Published Dec. 28, 1948. Class 26.

442,623. EMPTY RECORD CABINETS. ECKENDOTH & CO. INC., Brooklyn, N. Y.
Filed Mar. 5, 1947, Serial No. 518,523. Published Jan. 11, 1949. Class 32.

442,624. SHIPPING BOXES AND CARTONS MADE OF CARDBOARD, WOOD, OR PLASTIC; SHIPPING BAGS AND ENVELOPES MADE OF FABRIC OR PAPER. THE KALART COMPANY INC., Stamford, Conn.
Filed Apr. 1, 1947, Serial No. 519,957. Published Jan. 25, 1949. Class 2.

442,625. MOBILE ELECTRICAL HIGH VOLTAGE APPARATUS FOR THE ERADICATION OF VEGETATION IN THE SOIL, THE SAME FUNCTIONING AS A WEED KILLER. THE APCO CORPORATION, Los Angeles, Calif.
Filed Apr. 7, 1947, Serial No. 520,248. Published Dec. 28, 1948. Class 23.

442,626. WRENCHES AND WRENCH PARTS. ERCO MANUFACTURING, INC., Hamilton, R. I.
Filed Apr. 15, 1947, Serial No. 520,689. Published Dec. 28, 1948. Class 23.

442,627. DRESSES FOR GIRLS AND WOMEN. SMART MAID, INC., Philadelphia, Pa.
Filed Apr. 16, 1947, Serial No. 520,838. Published Dec. 21, 1948. Class 39.

442,628. NATURAL MIXTURE OF MONOCYCLIC TERPENE HYDROCARBONS, WHOSE CHIEF CONSTITUENT IS DIPENTENE USED PRINCIPALLY AS A SOLVENT OR DILUENT FOR PAINTS, VARNISHES AND THE LIKE. NEWPORT INDUSTRIES, INC., Pensacola, Fla.
Filed Apr. 18, 1947, Serial No. 520,967. Published Jan. 4, 1949. Class 16.

442,629. MALTLESS SOFT DRINK. A-1 BEVERAGE CORP., Philadelphia, Pa.
Filed May 15, 1947, Serial No. 522,422. Published Jan. 18, 1949. Class 45.

442,630. CANDY. CONTINENTAL CANDY COMPANY, New Hyde Park, N. Y.
Filed May 23, 1947, Serial No. 522,921. Published Feb. 8, 1949. Class 46.

442,631. ANILINE DYES. ORLEANS COMPANY, INC., New York, N. Y.
Filed June 7, 1947, Serial No. 523,798. Published Jan. 11, 1949. Class 6.

442,632. PICKLES, MUSTARD, PICKLE RELISH, FRUIT JELLIES, FRUIT PRESERVES, AND FRUIT JAMS. SQUARE DINNER COMPANY, Chicago, Ill.
Filed June 11, 1947, Serial No. 524,022. Published July 13, 1948. Class 46.

442,633. LIQUID FLOOR POLISH. FOX PRODUCTS CO., New York, N. Y.
Filed June 12, 1947, Serial No. 524,061. Published Dec. 28, 1948. Class 16.

442,634. MEN'S HOSIERY. BROADOON HOSIERY MILLS, New York, N. Y.
Filed June 17, 1947, Serial No. 524,293. Published Mar. 16, 1948. Class 39.

442,635. RADIO RECEIVING SETS. WILLIAM M. WINANS, New York, N. Y.
Filed June 17, 1947, Serial No. 524,362. Published Jan. 11, 1949. Class 21.

442,636. MERCHANDISE ENVELOPES EQUIPPED WITH METAL FASTENERS. UNITED STATES ENVELOPE COMPANY, Springfield, Mass.
Filed June 21, 1947, Serial No. 524,638. Published Jan. 18, 1949. Class 2.

442,637. OLEORESINOUS VARNISH USED IN LIEU OF SHELLAC FOR WOOD, STEEL, OR COMPOSITION SURFACES. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed July 1, 1947, Serial No. 525,413. Published Dec. 28, 1948. Class 16.

442,638. FOG LENS FOR ATTACHMENT OR CONNECTION TO VEHICLE HEADLIGHTS. BERNARD L. LATOUSEK, doing business as PenRay Company, Los Angeles, Calif.
Filed July 2, 1947, Serial No. 525,607. Published Jan. 11, 1949. Class 21.

442,639. CIGARS. P. LORILLARD COMPANY, New York, N. Y.
Filed July 2, 1947, Serial No. 525,631. Published Jan. 4, 1949. Class 17.

442,640. CRAB BOIL, A MIXTURE OF SPICES, SEEDS, HERBS, AND PEPPERS; FOR SEASONING CRABS, SHRIMP, OR ANY OTHER SEA FOODS; AND SPICES, ETC. NEW ORLEANS IMPORT CO., LIMITED, New Orleans, La.
Filed July 3, 1947, Serial No. 525,932. Published Jan. 11, 1949. Class 46.

ACT OF 1920

These registrations are not subject to opposition.

442,641. (CLASS 39. CLOTHING.) ALFRED DECKER & COHN, INC., Chicago, Ill., now by change of name Society Brand Clothes, Inc. Filed Oct. 10, 1945, Serial No. 486,717.

Swaydly

The lines drawn in the letter "S" represent actual lines in that letter and do not purport to be lines indicating color.

FOR MEN'S TOPCOATS SUITS, SPORT COATS, SLACKS, SHIRTS, AND ROBES.

Claims use since Sept. 1, 1945.

442,642. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SOLO PRODUCTS CORPORATION, New York, N. Y. Filed July 1, 1947, Serial No. 525,414.

Grip-tite

FOR BOBBY-PINS, BARRETTES, AND COMBS.

Claims use since 1931 on bobby-pins; since 1933 on combs; and since 1935 on all goods.

ACT OF 1946, PRINCIPAL REGISTER

509,199. MEASURING AND DISPENSING APPARATUS FOR GASOLINE OR OTHER LIQUIDS. Bowser, Inc., Fort Wayne, Ind.
Filed Jan. 23, 1948; originally filed, act of 1905, Feb. 2, 1945, Serial No. 479,328. Published Jan. 11, 1949. Class 26.

509,200. RADIO INTERFERENCE FILTERS. Sprague Products Company, North Adams, Mass.
Filed Oct. 13, 1947; originally filed, act of 1905, July 13, 1945, Serial No. 485,799. Published Jan. 11, 1949. Class 21.

509,201. HOSIERY. National Hosiery Mills, Inc., Indianapolis, Ind.
Filed Jan. 20, 1948; originally filed, act of 1905, Sept. 18, 1945, Serial No. 488,654. Published Dec. 14, 1948. Class 39.

509,202. SLIP COVERS FOR—NAMELY, ADDING MACHINES, LISTING MACHINES, CALCULATING MACHINES, ETC. Burroughs Adding Machine Company, Detroit, Mich.
Filed July 9, 1947; originally filed, act of 1905, Nov. 28, 1945, Serial No. 492,306. Published Jan. 11, 1949. Class 26.

509,203. COMBINED HYDRAULIC LIFT AND ADJUSTABLE PLATFORM FOR BRIDGING BETWEEN A LOADING PLATFORM AND A VEHICLE, SUCH AS A TRUCK, AND UPON WHICH LOADS MAY BE TRANSFERRED BETWEEN THE VEHICLE AND LOADING PLATFORM. Rotary Lift Company, Memphis, Tenn.
Filed July 8, 1947; originally filed, act of 1905, Dec. 29, 1945, Serial No. 494,125. Published Jan. 11, 1949. Class 23.

509,204. CANDY. Chase Candy Company, St. Louis, Mo., assignee of Clinton Industries, Inc.
Filed Jan. 14, 1948; originally filed, act of 1905, Mar. 20, 1946, Serial No. 498,586. Published Jan. 11, 1949. Class 46.

509,205. LAMINATED DRIVING BELTS COMPRISING A PLURALITY OF SUPERIMPOSED AND DETACHABLY CONNECTED LINKS OF LEATHER, RUBBER OR RUBBERIZED FABRIC. H. Brammer & Company Limited, Leeds, England.
Filed Feb. 16, 1948; originally filed, act of 1920, May 7, 1946, Serial No. 501,561. Published Jan. 18, 1949. Class 35.

509,206. PIPE WRENCHES. Walworth Company, Boston, Mass.
Filed Aug. 15, 1947; originally filed, act of 1920, July 2, 1946, Serial No. 505,020. Published Nov. 30, 1948. Class 23.

509,207. STATIONARY LUBRICANT-DISPENSING APPARATUS—NAMELY, REEL AND HOSE ASSEMBLIES AND CABINETS THEREFOR. Lincoln Engineering Company, St. Louis, Mo.
Filed July 5, 1947; originally filed, act of 1905, July 12, 1946, Serial No. 505,505. Published Jan. 4, 1949. Class 23.

509,208. STATIONARY LUBRICANT-DISPENSING APPARATUS—NAMELY, REEL AND HOSE ASSEMBLIES AND CABINETS THEREFOR. Lincoln Engineering Company, St. Louis, Mo.
Filed July 5, 1947; originally filed, act of 1905, July 12, 1946, Serial No. 505,506. Published Jan. 4, 1949. Class 23.

509,209. TOBACCO PIPES AND CIGARETTE HOLDERS. Kirsten Pipe Company, Seattle, Wash.
Filed Oct. 27, 1947; originally filed, act of 1905, July 23, 1946, Serial No. 506,108. Published Jan. 4, 1949. Class 8.

509,210. MEN'S SHOES CONSTRUCTED OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. Freeman Shoe Corporation, Beloit, Wis.
Filed Aug. 25, 1947; originally filed, act of 1905, Aug. 3, 1946, Serial No. 506,809. Published Dec. 21, 1948. Class 39.

509,211. PYROPHORIC LIGHTERS FOR CIGARS, CIGARETTES, PIPES, AND THE LIKE. Evans Case Co., North Attleboro, Mass.
Filed Aug. 5, 1947; originally filed, act of 1905, Aug. 12, 1946, Serial No. 507,243. Published Dec. 21, 1948. Class 8.

509,212. SCALP CLEANSER AND HAIRDRESSING. Tom's Scalpade, Inc., Cold Spring, N. Y.
Filed Oct. 29, 1947; originally filed, act of 1905, Aug. 30, 1946, Serial No. 508,353. Published Jan. 18, 1949. Class 6.

509,213. VINYL COATED RAYON PIECE GOODS WHICH IS A WATERPROOF MATERIAL AND DESIRABLE FOR CERTAIN KINDS OF CURTAINS, TABLE COVERINGS AND SIMILAR USES, WHICH CAN BE CLEANED BY MERELY WIPING WITH A DAMP CLOTH. J. W. Valentine Co., Inc., New York, N. Y.
Filed June 2, 1948; originally filed, act of 1905, Sept. 19, 1946, Serial No. 509,381. Published Jan. 4, 1949. Class 42.

509,214. CHAINS FOR GENERAL USE, NOT INCLUDING POWER TRANSMISSION CHAINS, AND TIRE CHAINS FOR MOTOR VEHICLES. Nizdorff-Krein Mfg. Co., St. Louis, Mo.
Filed July 10, 1947; originally filed, act of 1905, Sept. 26, 1946, Serial No. 509,788. Published Jan. 18, 1949. Class 13.

509,215. WORK CLOTHING—NAMELY, PANTS, SHIRTS, OVERALLS, COVERALLS, AUTOSUITS, AND PLAYSUITS. The Hawk & Buck Co., Fort Worth, Tex.
Filed Feb. 12, 1948; originally filed, act of 1905, Oct. 2, 1946, Serial No. 510,081. Published Jan. 4, 1949. Class 39.

509,216. KNITTED UNDERWEAR, JACKETS, SWEATERS, HOSE AND HALF HOSE FOR MEN, ETC. Innes Henderson Company Limited, Hawick, Scotland.
Filed June 3, 1948; originally filed, act of 1905, Oct. 31, 1946, Serial No. 511,813. Published Dec. 14, 1948. Class 39.

509,217. WORK GLOVES, WORK SHIRTS, DENIM JACKETS, WAIST BAND AND BIB OVERALLS, AND WORK SUITS. Gamble-Skogmo, Inc., Minneapolis, Minn.
Filed July 18, 1948; originally filed, act of 1905, Nov. 4, 1946, Serial No. 511,994. Published Dec. 14, 1948. Class 39.

509,218. CIGARETTE AND CIGAR CASES, CIGARETTE AND CIGAR HOLDERS, AND ASH TRAYS, MADE OF BASE METAL AND/OR COMPOSITION MATERIAL. Rexon Inc., New York, N. Y.
Filed Sept. 18, 1947; originally filed, act of 1920, Dec. 3, 1945, Serial No. 513,639. Published Dec. 28, 1948. Class 8.

509,219. OSCILLATING TYPE METERS FOR THE MEASUREMENT OF WATER, OIL, AND OTHER LIQUIDS. Rockwell Manufacturing Company, Pittsburgh, Pa.
Filed Feb. 25, 1948; originally filed, act of 1905, Dec. 17, 1946, Serial No. 514,482. Published Jan. 11, 1949. Class 26.

509,220. SOFT WHEAT FLOUR. Gilster Milling Company, Steelville and Chester, Ill.
Filed Oct. 20, 1947; originally filed, act of 1905, Dec. 26, 1946, Serial No. 514,812. Published Jan. 11, 1949. Class 46.

509,221. WINES. William H. Lovinger, doing business as Mount Hamilton Winery, San Francisco, Calif., assignee of Biscoglia Bros. Wine Company.
Filed Oct. 8, 1947; originally filed, act of 1905, Jan. 6, 1947, Serial No. 515,292. Published Jan. 11, 1949. Class 47.

509,222. SHOES MADE OF FABRICS AND LEATHER, OR COMBINATIONS THEREOF. Craddock-Terry Shoe Corporation, doing business as Witt's, Lynchburg, Va.
Filed Jan. 20, 1948; originally filed, act of 1905, Feb. 5, 1947, Serial No. 516,962. Published Jan. 11, 1949. Class 39.

509,223. DRYING FRAMES—NAMELY, WIRE HOSIERY DRYING FRAMES, AND GLOVE DRYING FRAMES. Queen Manufacturing Co., Inc., Chicago, Ill.
Filed Sept. 17, 1947; originally filed, act of 1905, Feb. 24, 1947, Serial No. 518,037. Published Dec. 28, 1948. Class 24.

509,224. AUTOMOTIVE AND GAS ENGINE SPARK PLUGS, AND PARTS THEREFOR. Stitt Ignition Company, Columbus, Ohio.
Filed Sept. 16, 1947; originally filed, act of 1905, Feb. 25, 1947, Serial No. 518,110. Published Dec. 21, 1948. Class 21.

509,225. EGG BEATERS; MIXER CHURNS; BEVERAGE BEATERS; FRUIT JUICE EXTRACTORS; AND BREAD SLICERS; ALL OF SAID GOODS FOR HOUSEHOLD USE AND BEING MANUALLY OPERATED. United Royalties Corporation, New York, N. Y.
Filed Jan. 22, 1948; originally filed, act of 1905, Mar. 3, 1947, Serial No. 518,443. Published Dec. 28, 1948. Class 23.

509,226. RAYON PIECE GOODS. Arthur S. Heiman, Inc., New York, N. Y.
Filed Aug. 7, 1947; originally filed, act of 1905, Mar. 7, 1947, Serial No. 518,675. Published Jan. 4, 1949. Class 42.

509,227. DRILL GAGES, MULTI-USE RULE AND GAGE, PROTRACTORS, ETC. General Hardware Mfg. Co. Inc., New York, N. Y.
Filed Feb. 26, 1948; originally filed, act of 1905, Mar. 14, 1947, Serial No. 519,015. Published Jan. 11, 1949. Class 26.

509,228. MEN'S HATS. Borden Import Corp., New York, N. Y.
Filed May 25, 1948; originally filed, act of 1905, Mar. 29, 1947, Serial No. 519,798. Published Dec. 14, 1948. Class 39.

509,229. FRICTION ELEMENTS FOR BRAKES AND CLUTCHES, FAN BELTS, RADIATOR HOSE, AND GENERATOR COUPLINGS, PARTLY MADE OF RUBBER. American Brake Shoe Company, New York, N. Y.
Filed Feb. 3, 1948; originally filed, act of 1905, Apr. 15, 1947, Serial No. 520,670. Published Jan. 18, 1949. Class 35.

509,230. NUT TAPPING MACHINES. Western Machine Tool Works, Holland, Mich.
Filed Aug. 3, 1948; originally filed, act of 1905, Apr. 16, 1947, Serial No. 520,845. Published Dec. 28, 1948. Class 23.

509,231. TELESCOPES, SUPPORTING BASES, AND PARTS THEREOF. O. F. Mossberg & Sons, Inc., New Haven, Conn.
Filed Dec. 16, 1947; originally filed, act of 1905, Apr. 17, 1947, Serial No. 520,883. Published Jan. 11, 1949. Class 26.

509,232. FLUORESCENT LIGHTING FIXTURES. Clay Barton, Whittier, Calif.
Filed Dec. 6, 1947; originally filed, act of 1905, Apr. 18, 1947, Serial No. 520,922. Published Dec. 21, 1948. Class 21.

509,233. APPARATUS FOR DETERMINING THE ANGULAR RELATION BETWEEN THE AXES OF VEHICLE WHEELS. Arthur A. Friestedt, Chicago, Ill.
Filed Feb. 13, 1948; originally filed, act of 1905, Apr. 19, 1947, Serial No. 521,010. Published Jan. 18, 1949. Class 26.

509,234. LAUNDRY MACHINERY AND EQUIPMENT—NAMELY, CLOTHES-SOAKING APPARATUS AND TANKS. Devere Company, Racine, Wis.
Filed Nov. 5, 1947; originally filed, act of 1905, Apr. 22, 1947, Serial No. 521,120. Published Jan. 4, 1949. Class 24.

509,235. RUST INHIBITING GREASE. Russell Wiles, Jr., doing business as Rig Products Company, Oregon, Ill.
Filed July 30, 1947; originally filed, act of 1905, Apr. 22, 1947, Serial No. 521,163. Published Nov. 30, 1948. Class 15.

509,236. PAINT STRIPPER—NAMELY, A CHEMICAL PREPARATION IN POWDERED FORM. The Diversey Corporation, Chicago, Ill.
Filed Aug. 2, 1947; originally filed, act of 1905, May 8, 1947, Serial No. 522,095. Published Jan. 4, 1949. Class 16.

509,237. MICROSCOPE ELECTRIC LIGHT SOURCE EQUIPPED WITH DAYLIGHT FILTER TO PROVIDE UNIFORM ILLUMINATION APPROXIMATING DAYLIGHT AND ADAPTED TO BE USED EITHER AS A SUB-STAGE LAMP OR IN FRONT OF THE MICROSCOPE MIRROR. Clay-Adams Company, Inc., New York, N. Y.
Filed Jan. 20, 1948; originally filed, act of 1905, May 26, 1947, Serial No. 523,023. Published Jan. 11, 1949. Class 26.

509,238. RADIO APPARATUS, EACH CONSISTING OF A RADIO TRANSMITTER AND/OR RADIO RECEIVER. Motorola, Inc., Chicago, Ill., assignor to Mitchell Industries, Inc., Mineral Wells, Tex.
Filed Sept. 9, 1947; originally filed, act of 1905, June 2, 1947, Serial No. 523,407. Published Jan. 11, 1949. Class 21.

509,239. WINDOW CURTAINS. Cameo Curtains Inc., New York, N. Y.
Filed Nov. 19, 1947; originally filed, act of 1905, June 24, 1947, Serial No. 524,683. Published Jan. 11, 1949. Class 42.

509,240. WINDOW CURTAINS. Cameo Curtains Inc., New York, N. Y.
Filed Nov. 19, 1947; originally filed, act of 1905, June 24, 1947, Serial No. 524,684. Published Jan. 11, 1949. Class 42.

509,241. VACUUM TUBE TESTING AND BATTERY TESTING INSTRUMENTS. Precision Apparatus Co., Inc., Elmhurst, Long Island, N. Y.
Filed July 5, 1947, Serial No. 526,607. Published Dec. 21, 1948. Class 26.

509,242. METER FOR MEASURING AND INDICATING THE FLOW OF FLUIDS. Selas Corporation of America, Philadelphia, Pa.
Filed July 5, 1947, Serial No. 526,649. Published Dec. 14, 1948. Class 26.

509,243. ELECTRICAL BLANKETS. Mark Shield, Baltimore, Md.
Filed July 5, 1947, Serial No. 526,681. Published Dec. 21, 1948. Class 21.

509,244. CONTROL EQUIPMENT FOR USE IN ELECTRICAL COMMUNICATION SERVICE, ETC. The Daven Company, Newark, N. J.
Filed July 5, 1947, Serial No. 526,829. Published Dec. 28, 1948. Class 21.

509,245. FRICTION CLUTCHES. DODGE MANUFACTURING CORPORATION, Mishawaka, Ind.
Filed July 5, 1947, Serial No. 526,991. Published Jan. 4, 1949. Class 23.

509,246. HOSIERY. GOTHAM HOSIERY COMPANY, INC., New York, N. Y.
Filed July 5, 1947, Serial No. 527,126. Published Apr. 27, 1948. Class 39.

509,247. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER OR FABRIC. JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,386. Published Dec. 21, 1948. Class 39.

509,248. ELECTRIC MOTORS. DYNAMATIC CORPORATION, Kenosha, Wis.
Filed July 5, 1947, Serial No. 527,434. Published Jan. 18, 1949. Class 21.

509,249. READY MIXED PAINTS, VARNISHES, WOOD STAINS IN THE NATURE OF A COATING, GRAINING COMPOSITIONS IN THE NATURE OF A PAINT, AND WALL FINISHING PAINTS IN READY MIXED POWDER AND PASTE FORM. MINNESOTA LINSEED OIL PAINT COMPANY, doing business as The Chi-Namel Paint & Varnish Co., Minneapolis, Minn., and Fort Wayne, Ind.
Filed July 5, 1947, Serial No. 527,599. Published Jan. 11, 1949. Class 16.

509,250. SEED GRAINS—NAMELY, WHEAT, OATS, BARLEY, CORN, RYE, MAIZE, SORGHUM, SUDAN GRASS, AND OTHER GRASS SEEDS. TERMINAL GRAIN COMPANY, Fort Worth, Tex.
Filed July 5, 1947, Serial No. 527,623. Published Jan. 11, 1949. Class 1.

509,251. HOSIERY. TROJAN HOSIERY MILLS, INC., Indianapolis, Ind.
Filed July 5, 1947, Serial No. 527,654. Published Jan. 11, 1949. Class 39.

509,252. TEMPERATURE INDICATORS, TEMPERATURE RECORDERS, THERMOSTATS, THERMOSWITCHES, AND THERMO-RESPONSIVE ELECTRIC CIRCUIT CONTROLS, AND PARTS THEREOF. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa.
Filed July 5, 1947, Serial No. 527,669. Published Dec. 28, 1948. Class 26.

509,253. BOXES MADE OF PAPERBOARD. CHICAGO CARTON COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 528,012. Published Jan. 18, 1949. Class 2.

509,254. PHOTOGRAPHIC DEVELOPING PAPERS. THE HALOID COMPANY, Rochester, N. Y.
Filed July 9, 1947, Serial No. 528,207. Published Dec. 28, 1948. Class 26.

509,255. POWER OPERATED INDUSTRIAL MATERIAL HANDLING TRUCKS. CLARK EQUIPMENT COMPANY, Buchanan, Mich.
Filed July 10, 1947, Serial No. 528,261. Published Jan. 4, 1949. Class 23.

509,256. FLUID ACTUATED SIZE CONTROL MECHANISM APPLIED TO A HONING MACHINE FOR TERMINATING THE HONING OPERATION WHEN BORE SIZE IS REACHED. MICROMATIC HONE CORPORATION, Detroit, Mich.
Filed July 11, 1947, Serial No. 528,354. Published Jan. 11, 1949. Class 23.

509,257. WOMEN'S AND GIRLS' NON-KNITTED SPORTSWEAR—NAMELY, SHIRTS, SKIRTS, JACKETS, SLACKS, PLAY SUITS AND SHORTS. RAGBERT, LIMITED, Boston, Mass.
Filed July 12, 1947, Serial No. 528,510. Published Mar. 16, 1948. Class 39.

509,258. RADIO RECEIVERS. AVCO MANUFACTURING CORPORATION, Cincinnati, Ohio.
Filed July 15, 1947, Serial No. 528,683. Published Dec. 21, 1948. Class 21.

509,259. NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUP, EXTRACT, AND CONCENTRATE FOR MAKING THE SAME. LIME COLA COMPANY, INC., Montgomery, Ala.
Filed July 18, 1947, Serial No. 528,871. Published Jan. 11, 1949. Class 45.

509,260. WHISKEY. ROBERT MCNISH AND COMPANY LIMITED, Glasgow, Scotland.
Filed July 21, 1947, Serial No. 529,076. Published Jan. 11, 1949. Class 49.

509,261. HAT BLOCKING MACHINE USED TO SHAPE HAT BLANKS. VICTORY HAT BLOCK COMPANY, New York, N. Y.
Filed July 21, 1947, Serial No. 529,116. Published Jan. 4, 1949. Class 23.

509,262. MEN'S AND BOYS' WORK SHIRTS. SALANT & SALANT, INC., New York, N. Y.
Filed July 23, 1947, Serial No. 529,311. Published Dec. 7, 1948. Class 39.

509,263. WOMEN'S AND MISSES' DRESSES, COATS, JACKETS, SKIRTS AND BLOUSES. STAR-MAID DRESSES, INC., New York, N. Y.
Filed July 24, 1947, Serial No. 529,420. Published Dec. 21, 1948. Class 39.

509,264. HOSIERY AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, PARTICULARLY KNITTED HOSIERY, UNDERSHIRTS, VESTS, COATS, PANTS, DRAWERS, AND UNIONSUITS. FRANK'S, INC., St. Louis, Mo.
Filed July 25, 1947, Serial No. 529,453. Published Dec. 28, 1948. Class 39.

509,265. OVERCOATS AND TOPCOATS FOR MEN AND WOMEN MADE IN SUBSTANTIAL PART OF ALPACA. C. B. SHANE CORPORATION, Chicago, Ill., assignor to Chicago, Kahn Bros., Chicago, Ill., a corporation of Kentucky.
Filed July 26, 1947, Serial No. 529,711. Published Dec. 21, 1948. Class 30.

509,266. FRESH PEARS. MAURICE S. SPATZ, doing business as Crystal Springs Packing Company, Medford, Oreg.
Filed July 26, 1947, Serial No. 529,720. Published Jan. 11, 1940. Class 46.

509,267. PERIODICAL PUBLISHED TWICE EACH MONTH. AMERICAN AVIATION ASSOCIATES, INC., Washington, D. C.
Filed July 29, 1947, Serial No. 529,848. Published Dec. 21, 1948. Class 38.

509,268. PILE FABRICS IN THE PIECE OF VARIOUS COMBINATIONS OF MOHAIR, COTTON, WORSTED, ALPACA, RAYON AND SILK; AND TEXTILE RUGS. SIDNEY BLUMENTHAL & CO., INC., New York, N. Y.
Filed Aug. 2, 1947, Serial No. 530,287. Published Dec. 21, 1948. Class 42.

509,269. PILE FABRICS IN THE PIECE OF WORSTED AND COTTON; AND TEXTILE RUGS. SIDNEY BLUMENTHAL & CO., INC., New York, N. Y.
Filed Aug. 2, 1947, Serial No. 530,289. Published Dec. 21, 1948. Class 42.

509,270. PILE FABRICS IN THE PIECE OF VARIOUS COMBINATIONS OF MOHAIR, COTTON, WORSTED, ALPACA, RAYON, AND SILK; AND TEXTILE RUGS. SIDNEY BLUMENTHAL & CO., INC., New York, N. Y.
Filed Aug. 2, 1947, Serial No. 530,290. Published Dec. 28, 1948. Class 42.

509,271. INDUSTRIAL CENTRIFUGES FOR EXTRACTING SOLIDS FROM FLUIDS AND FOR CONCENTRATING SOLIDS. MERCO CENTRIFUGAL CO., San Francisco, Calif.
Filed Aug. 5, 1947, Serial No. 530,540. Published Jan. 11, 1949. Class 23.

509,272. INDUSTRIAL CENTRIFUGES FOR EXTRACTING SOLIDS FROM FLUIDS AND FOR CONCENTRATING SOLIDS. MERCO CENTRIFUGAL CO., San Francisco, Calif.
Filed Aug. 5, 1947, Serial No. 530,541. Published Jan. 11, 1949. Class 23.

509,273. WORK PANTS, WORK SHIRTS, AND ONE-PIECE WORK SUITS FOR MEN AND BOYS. POOL MANUFACTURING COMPANY, Sherman, Tex.
Filed Aug. 5, 1947, Serial No. 530,561. Published Dec. 21, 1948. Class 39.

509,274. VERTICAL SPINDLE, SURFACE GRINDING MACHINES IN WHICH AN ABRASIVE WHEEL, CARRIED BY THE SPINDLE, IS CAUSED TO TRAVEL ACROSS THE WORK SURFACE AND PARTS THEREOF. THE BLANCHARD MACHINE COMPANY, Cambridge, Mass.
Filed Aug. 9, 1947, Serial No. 530,918. Published Jan. 11, 1949. Class 23.

509,275. RECIPROCATING PISTON TYPE WATER WELL PUMPS. THE LERIO CORPORATION, Mobile, Ala.
Filed Aug. 9, 1947, Serial No. 530,943. Published Jan. 11, 1949. Class 23.

509,276. DRY, READY-MIXED AND PASTE PAINTS; CALCIMINE ENAMELS (BOTH PAINT AND BAKING TYPE), WOOD STAINS, ETC. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo.
Filed Aug. 11, 1947, Serial No. 531,048. Published Dec. 14, 1948. Class 16.

509,277. PIECE GOODS OF RAYON, SPUN RAYON, AND COMBINATIONS THEREOF. CHARMETTE FABRICS COMPANY, INC., New York, N. Y.
Filed Aug. 12, 1947, Serial No. 531,096. Published Dec. 21, 1948. Class 42.

509,278. STOCKINGS. WAYNE KNITTING MILLS, Fort Wayne, Ind.
Filed Aug. 13, 1947, Serial No. 531,266. Published Jan. 11, 1949. Class 39.

509,279. MEN'S AND YOUNG MEN'S SUITS, COATS, VESTS, TROUSERS, OVERCOATS, AND TOPCOATS. WEINBERG CORPORATION, Chicago, Ill.
Filed Aug. 13, 1947, Serial No. 531,272. Published Jan. 11, 1949. Class 39.

509,280. CENTRIFUGAL PUMPS FOR FIRE APPARATUS. AMERICAN-MARSH PUMPS, INC., Battle Creek, Mich.
Filed Aug. 15, 1947, Serial No. 531,419. Published Jan. 11, 1949. Class 23.

509,281. CANNED FISH. B. T. WEYAND, doing business as Weyand & Co., Seattle, Wash.
Filed Aug. 15, 1947, Serial No. 531,557. Published Jan. 4, 1949. Class 46.

509,282. MOTORCYCLE GENERATORS AND SPARE PARTS FOR SAME, WIRING AND WIRING HARNESSES FOR MOTORCYCLES, SWITCHES, ETC. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis.
Filed Aug. 16, 1947, Serial No. 531,586. Published Jan. 11, 1949. Class 21.

509,283. WAX FINISH FOR FLOORS, WOOD, RUBBER, ASPHALT, LINOLEUM, COMPOSITION, MASTIC, ETC. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill.
Filed Aug. 16, 1947, Serial No. 531,633. Published Sept. 28, 1948. Class 16.

509,284. CAN WASHER SOLUTION FEEDERS AND DISINFECTANT SPRAYERS. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed Aug. 19, 1947, Serial No. 531,779. Published Dec. 28, 1948. Class 23.

509,285. WOOLEN PIECE GOODS. BOTANY MILLS, INC., Passaic, N. J.
Filed Aug. 22, 1947, Serial No. 532,118. Published Dec. 21, 1948. Class 42.

509,286. LEATHER SHOES. BROWN SHOE COMPANY, INC., St. Louis, Mo.
Filed Aug. 25, 1947, Serial No. 532,272. Published Dec. 21, 1948. Class 39.

509,287. FOOD HANDLING AND SERVING TOOLS IN THE NATURE OF TONGS FORMED OF BASE METAL. THE DILL MANUFACTURING COMPANY, Cleveland, Ohio.
Filed July 30, 1947, Serial No. 532,388. Published Jan. 11, 1949. Class 23.

509,288. HOUSE SLIPPERS. C. A. GROSVENOR SHOE COMPANY, Worcester, Mass.
Filed Aug. 25, 1947, Serial No. 532,421. Published Dec. 14, 1948. Class 39.

509,289. WEIGHING SCALES. CONTINENTAL SCALE CORPORATION, Chicago, Ill.
Filed Aug. 27, 1947, Serial No. 532,567. Published Dec. 28, 1948. Class 26.

509,290. COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOP COATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. J. SCHOENEMAN, INC., Baltimore, Md.
Filed Aug. 27, 1947, Serial No. 532,641. Published Dec. 21, 1948. Class 39.

509,291. MACHINE FOR FEEDING STATIONERY THROUGH A BUSINESS MACHINE. UARCO INCORPORATED, Chicago, Ill.
Filed Aug. 28, 1947, Serial No. 532,766. Published Jan. 11, 1949. Class 23.

509,292. ELECTRIC MOTORS. BARBER-COLMAN COMPANY, Rockford, Ill.
Filed Aug. 29, 1947, Serial No. 532,796. Published Dec. 21, 1948. Class 21.

509,293. ELECTRIC IRONS. PROCTOR ELECTRIC COMPANY, Philadelphia, Pa.
Filed Aug. 29, 1947, Serial No. 532,874. Published Dec. 28, 1948. Class 21.

509,294. ELECTRIC INSULATORS. ILLINOIS ELECTRIC PORCELAIN COMPANY, Macomb, Ill.
Filed Aug. 30, 1947, Serial No. 532,934. Published Dec. 21, 1948. Class 21.

509,295. CIGARS. JOSE ESCALANTE & CO., Chicago, Ill.
Filed Aug. 30, 1947, Serial No. 532,935. Published Dec. 28, 1948. Class 17.

509,296. MECHANICALLY GROOVED PHONOGRAPH RECORDS. EUGENE R. LEWIS, Omaha, Nebr.
Filed Sept. 2, 1947, Serial No. 533,035. Published Jan. 11, 1949. Class 36.

509,297. CHICKENS FROZEN AND DRESSED—NAMELY, STEWING HENS, ROASTERS, AND FRYERS. RANCHO ESTRELLA POULTRY, INC., Puente, Calif., assignor to Willis Oswald Prouty, Puente, Calif.
Filed Sept. 2, 1947, Serial No. 533,051. Published Dec. 7, 1948. Class 46.

509,298. LADIES' HOSIERY. HARRISON HOSIERY MILLS, INC., Brighton, Mass.
Filed Sept. 8, 1947, Serial No. 533,739. Published Jan. 11, 1949. Class 39.

509,299. MEN'S SHOES OF LEATHER, FABRIC, RUBBER, OR COMBINATIONS THEREOF. BONE DRY SHOE MFG. CO., Tacoma, Wash.
Filed Sept. 9, 1947, Serial No. 533,841. Published Dec. 14, 1948. Class 39.

509,300. SALT. MYLES SALT COMPANY, INC., New Orleans, La., assignor to Morton Salt Company, Chicago, Ill., a corporation of Illinois.
Filed Sept. 9, 1947, Serial No. 533,915. Published Jan. 11, 1949. Class 46.

509,301. ELECTRIC STOVES. COZY CORPORATION, Chicago, Ill.
Filed Sept. 11, 1947, Serial No. 534,091. Published Jan. 4, 1949. Class 21.

509,302. FRESH ORANGES. FRED W. POPE AND THOMAS W. BRYANT, Lakeland, Fla.
Filed Sept. 12, 1947, Serial No. 534,338. Published Jan. 4, 1949. Class 46.

509,303. WOOLEN FABRICS FOR MEN'S AND WOMEN'S WEAR AND FOR CASKET CLOTHS. J. P. STEVENS & CO., INC., New York, N. Y.
Filed Sept. 11, 1947, Serial No. 534,386. Published Dec. 21, 1948. Class 42.

509,304. ELECTRIC LIGHTING FIXTURES. EASTERN FIXTURE COMPANY, Roxbury, Mass.
Filed Sept. 13, 1947, Serial No. 534,423. Published Jan. 11, 1949. Class 21.

509,305. FUSE SWITCHES. JAMES R. KEARNEY CORPORATION, St. Louis, Mo.
Filed Sept. 13, 1947, Serial No. 534,451. Published Jan. 11, 1949. Class 21.

509,306. ELECTROLYTIC CONDENSERS, ELECTROSTATIC CONDENSERS, ELECTRICAL FILTERS, AND ELECTRICAL RESISTORS. SPRAGUE ELECTRIC COMPANY, North Adams, Mass.
Filed Sept. 13, 1947, Serial No. 534,482. Published Dec. 21, 1948. Class 21.

509,307. NYLON HOSIERY. SPURGEON HOSIERY CORPORATION, Philadelphia, Pa.
Filed Sept. 13, 1947, Serial No. 534,483. Published Jan. 11, 1949. Class 39.

509,308. NYLON HOSIERY. SPURGEON HOSIERY CORPORATION, Philadelphia, Pa.
Filed Sept. 13, 1947, Serial No. 534,485. Published Jan. 11, 1949. Class 39.

509,309. HOSIERY. LIBSON SHOPS MANAGEMENT CORPORATION, St. Louis, Mo.
Filed Sept. 16, 1947, Serial No. 534,643. Published Jan. 11, 1949. Class 39.

509,310. EXHAUST MUFFLERS FOR INTERNAL COMBUSTION ENGINES. WINDSOR-LLOYD PRODUCTS, INC., Wilmington, Del.
Filed Sept. 18, 1947, Serial No. 534,705. Published Jan. 11, 1949. Class 23.

500,311. SOFT DRINKS AND CONCENTRATES USED IN MAKING MALTLESS SOFT DRINKS. CARR COLLINS, JR., doing business as Big Top Beverages, Dallas, Tex., assignor to Big Top Beverages Inc., Dallas, Tex., a corporation of Texas.
Filed Sept. 17, 1947, Serial No. 534,748. Published Jan. 4, 1949 Class 45.

509,312. WHEAT FLOUR. STANDARD MILLING COMPANY, Chicago, Ill.
Filed Sept. 18, 1947, Serial No. 534,933. Published Jan. 4, 1949. Class 46.

509,313. RADIO RECEIVING SETS, COMBINATION RADIO RECEIVING SETS, ETC. MIDWEST RADIO CORPORATION, Cincinnati, Ohio.
Filed Sept. 19, 1947, Serial No. 535,063. Published Jan. 18, 1949. Class 21.

509,314. 16 MM. SOUND-ON-MOTION PICTURE-FILM RECORDING EQUIPMENT—NAMELY, CAMERAS, ETC. BERNDT-BACH, INCORPORATED, Los Angeles, Calif.
Filed Sept. 20, 1947, Serial No. 535,122. Published Jan. 11, 1949. Class 26.

509,315. SALT FOR FEEDING LIVESTOCK. CONSOLIDATED MATERIALS COMPANY, Duluth, Minn.
Filed Sept. 22, 1947, Serial No. 535,222. Published Jan. 4, 1949. Class 46.

509,316. TEXTILE MACHINERY—NAMELY, WORSTED RING SPINNING FRAMES. MCLYNN HATS INDUSTRIES, INC., Belleville, N. J.
Filed Sept. 23, 1947, Serial No. 535,417. Published Jan. 11, 1949. Class 23.

509,317. CANNED FRUITS AND VEGETABLES. W. F. ASSAU CANNING CO., INC., Baltimore, Md.
Filed Sept. 24, 1947, Serial No. 535,434. Published Jan. 4, 1949. Class 46.

509,318. CANNED FRUITS AND CANNED VEGETABLES. W. F. ASSAU CANNING CO., INC., Baltimore, Md.
Filed Sept. 24, 1947, Serial No. 535,455. Published Jan. 4, 1949. Class 46.

509,319. PAINTS IN PASTE FORM. J. F. KURFESS PAINT COMPANY, Louisville, Ky.
Filed Sept. 24, 1947, Serial No. 535,564. Published Jan. 4, 1949. Class 16.

509,320. CEREAL PRODUCT USED FOR THE MANUFACTURE OF BEER AND ALE. MINER-HILLARD MILLING CO., Wilkes-Barre, Pa.
Filed Sept. 24, 1947, Serial No. 535,581. Published Jan. 4, 1949. Class 48.

509,321. MISSES' SHOES MADE OF LEATHER. STRAWBRIDGE & CLOTHIER, Philadelphia, Pa.
Filed Sept. 24, 1947, Serial No. 535,650. Published Dec. 21, 1948. Class 39.

509,322. BALL BEARINGS AND ROLLER BEARINGS. AETNA BALL & ROLLER BEARING COMPANY, Chicago, Ill.
Filed Sept. 25, 1947, Serial No. 535,670. Published Jan. 11, 1949. Class 23.

509,323. WHISKEY. GORDON-O'NEILL COMPANY, Jersey City, N. J.
Filed Sept. 25, 1947, Serial No. 535,700. Published Jan. 18, 1949. Class 49.

509,324. OVERALLS AND WESTERN STYLE PANTS. MANN OVERALL COMPANY, INC., El Paso, Tex.
Filed Sept. 25, 1947, Serial No. 535,725. Published Jan. 11, 1949. Class 39.

509,325. HYDRANTS. DARLING VALVE & MANUFACTURING COMPANY, Williamsport, Pa.
Filed Sept. 27, 1947, Serial No. 535,942. Published Jan. 18, 1949. Class 13.

509,326. LAUNDRY APPLIANCES—NAMELY, CLOTHES DRYERS. BUTTS MANUFACTURING CO., Los Angeles, Calif.
Filed Sept. 29, 1947, Serial No. 536,042. Published Jan. 11, 1949. Class 24.

509,327. WOVEN TEXTILE FABRICS OF RAYON YARN IN THE PIECE. CAMEO FABRICS INC., New York, N. Y.
Filed Sept. 29, 1947, Serial No. 536,047. Published Jan. 4, 1949. Class 42.

509,328. CANNED VEGETABLES, CANNED FRUITS, CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES, TEA, HOMINY, BEANS WITH PORK, AND PEAS WITH PORK. HARLINGEN CANNING COMPANY, Harlingen, Tex.
Filed Sept. 29, 1947, Serial No. 536,079. Published Dec. 28, 1948. Class 46.

509,329. CANNED FRUITS AND CANNED VEGETABLES. G. W. HUMM COMPANY, Turlock, Calif.
Filed Sept. 29, 1947, Serial No. 536,088. Published Dec. 28, 1948. Class 46.

509,330. HOSIERY AND KNITTED UNDERWEAR FOR BOYS AND YOUNG MEN, ETC. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Sept. 29, 1947, Serial No. 536,141. Published Jan. 11, 1949. Class 39.

509,331. LADIES' AND MISSES' HOSIERY. VALCORT HOSIERY CORPORATION, New York, N. Y.
Filed Sept. 29, 1947, Serial No. 536,178. Published Dec. 28, 1948. Class 39.

509,332. SMALL PORTABLE MIRRORS AND ILLUMINATED MIRRORS USED FOR MAKE-UP, SHAVING, AND OTHER SIMILAR PURPOSES. BAG-O-LITE LTD., Brooklyn, N. Y.
Filed Sept. 30, 1947, Serial No. 536,218. Published Jan. 4, 1949. Class 32.

509,333. EARTH ANCHORS—NAMELY, CURVED PLATE, ETC. A. B. CHANCE COMPANY, Centralia, Mo.
Filed Sept. 30, 1947, Serial No. 536,235. Published Jan. 18, 1949. Class 13.

509,334. PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH IS DIRECTED TO EQUIPMENT, IMPROVEMENTS, PROCESSES, MATERIALS, METHODS, APPLICATIONS, AND LITERATURE. EQUIPMENT DIGEST PUBLISHING COMPANY, Cleveland, Ohio.
Filed Oct. 1, 1947, Serial No. 536,356. Published Jan. 11, 1949. Class 38.

509,335. COMPOUNDS FOR PREPARING THE SLIDE SURFACE OF SKIS, THESE BEING WAXES, TALLOWS, VARNISHES, AND PAINTS. ALFRED SUTTER, Oberhofen-Munchwilen, canton of Thurgau, Switzerland.
Filed Oct. 1, 1947, Serial No. 536,463. Published Dec. 21, 1948. Class 16.

509,336. COIL AND CONDENSER ASSEMBLIES USED IN ELECTRICAL CIRCUITS. AUTOMATIC MANUFACTURING CORPORATION, East Newark, N. J.
Filed Oct. 2, 1947, Serial No. 536,482. Published Dec. 21, 1948. Class 21.

509,337. CANNED VEGETABLES, CANNED PORK AND BEANS, AND CANNED TOMATO JUICE. THE ILLINOIS CANNING CO., Hoopeston, Ill.
Filed Oct. 3, 1947, Serial No. 536,690. Published Dec. 28, 1948. Class 46.

509,338. TAG CLOTH. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,807. Published Dec. 21, 1948. Class 42.

509,339. LABEL CLOTH. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,812. Published Dec. 21, 1948. Class 42.

509,340. LABEL CLOTH. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,813. Published Dec. 21, 1948. Class 42.

509,341. LABEL CLOTH. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,815. Published Dec. 21, 1948. Class 42.

509,342. COATED AND WATERPROOFED CLOTH. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,818. Published Dec. 21, 1948. Class 42.

509,343. AUTOMATIC ELECTRIC WATER HEATERS OF THE TYPE TO BE ATTACHED TO THE EXTERIOR OF STORAGE TANKS OR OTHER CONTAINERS TO BE HEATED. RALPH H. CRANE, Eugene, Oreg.
Filed Oct. 7, 1947, Serial No. 537,017. Published Dec. 21, 1948. Class 21.

509,344. CANNED VEGETABLES. SEEMAN BROTHERS, INC., New York, N. Y.
Filed Oct. 7, 1947, Serial No. 537,086. Published Jan. 11, 1949. Class 46.

509,345. KNIT AND WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND CHILDREN'S SLEEPERS. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C.
Filed Oct. 8, 1947, Serial No. 537,188. Published Jan. 11, 1949. Class 39.

509,346. DOMESTIC VACUUM CLEANERS. THE THOMPSON MANUFACTURING CO., Chicago, Ill., assignor to Thompson and Sons, Inc., Lyons, Ill., a corporation of Illinois.
Filed Oct. 9, 1947, Serial No. 537,372. Published Dec. 21, 1948. Class 21.

509,347. PIEZOELECTRIC CRYSTALS OF THE TYPE PRIMARY AMMONIUM PHOSPHATE, AND PLATES THEREOF PARTICULARLY FOR USE AS ELECTROMECHANICAL TRANSDUCERS AND ELECTRO-OPTICAL SHUTTERS. THE BRUSH DEVELOPMENT COMPANY, Cleveland, Ohio.
Filed Oct. 10, 1947, Serial No. 537,410. Published Dec. 28, 1948. Class 21.

509,348. OPTICAL GOODS—NAMELY, LENSES FOR SUNGLASSES. SAUL COHEN, doing business as Raynard Optical Co., Brooklyn, N. Y., assignor to Saul Cohen and Louis F. Stutland, doing business as Raynard Optical Company, New York, N. Y.
Filed Oct. 10, 1947, Serial No. 537,424. Published Jan. 11, 1949. Class 26.

509,349. CLOTH WINDOW SHADES AND VENETIAN BLINDS MADE OF METAL AND WOOD. ORETZ AND COOK, INC., Los Angeles, Calif.
Filed Oct. 10, 1947, Serial No. 537,447. Published Jan. 11, 1949. Class 32.

509,350. LADIES' HATS. SOCIETE CHAPEAUX MOSSANT, Bourg-De-Peage, (Drome), France.
Filed Oct. 10, 1947, Serial No. 537,472. Published Jan. 4, 1949. Class 30.

509,351. CRASH, TOWELS, AND TOWELING. WEST POINT MANUFACTURING COMPANY, West Point, Ga.
Filed Oct. 10, 1947, Serial No. 537,527. Published Dec. 21, 1948. Class 42.

509,352. FUSES AND FUSE LINKS. JAMES R. KEARNEY CORPORATION, St. Louis, Mo.
Filed Oct. 13, 1947, Serial No. 537,704. Published Jan. 11, 1949. Class 21.

509,353. ELECTRICAL FLOOD LIGHTS. S & M LAMP CO., INCORPORATED, Los Angeles, Calif.
Filed Oct. 13, 1947, Serial No. 537,736. Published Dec. 21, 1948. Class 21.

509,354. MULTIPLE-KEY-OPERATED COMPUTING MACHINES, ALSO COMBINED COMPUTING AND TYPEWRITING MACHINES. UNDERWOOD CORPORATION, New York, N. Y.
Filed Oct. 15, 1947, Serial No. 537,953. Published Jan. 4, 1949. Class 26.

509,355. LADIES' AND MISSES' SHOES MADE OF LEATHER, FABRIC, PLASTIC, OR OF COMBINATIONS THEREOF. MORRIS WOLOCK, New York, N. Y.
Filed July 8, 1947, Serial No. 537,958. Published Dec. 14, 1948. Class 39.

509,356. BOOTS MADE OF RUBBER. GOODALL RUBBER COMPANY, Trenton, N. J.
Filed Oct. 17, 1947, Serial No. 538,120. Published Dec. 14, 1948. Class 30.

509,357. PIECE GOODS OF COTTON, SILK, AND WOOL, AND COMBINATIONS THEREOF. AMERICAN CONTINENTAL CORPORATION, Paterson, N. J.
Filed Oct. 21, 1947, Serial No. 538,484. Published Dec. 28, 1948. Class 42.

509,358. CIGARS. P. LORILLARD COMPANY, New York, N. Y.
Filed Oct. 21, 1947, Serial No. 538,553. Published Jan. 11, 1949. Class 17.

509,359. SHOES. DIXON-BARTLETT COMPANY, Baltimore, Md.
Filed Oct. 23, 1947, Serial No. 538,730. Published Dec. 14, 1948. Class 39.

509,360. VARNISHES. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa.
Filed Oct. 23, 1947, Serial No. 538,775. Published Dec. 28, 1948. Class 16.

509,361. READY-MIXED PAINTS AND PAINT ENAMELS. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa.
Filed Oct. 28, 1947, Serial No. 538,777. Published Jan. 4, 1949. Class 16.

509,362. SCANDINAVIAN STYLE BREAD. RALSTON PURINA COMPANY, St. Louis, Mo.
Filed Oct. 23, 1947, Serial No. 538,813. Published Dec. 28, 1948. Class 46.

509,363. SILK PIECE GOODS. STONEY SONS SILK COMPANY, INC., New York, N. Y.
Filed Oct. 23, 1947, Serial No. 538,825. Published Dec. 28, 1948. Class 42.

509,364. MEN'S AND BOYS' UNDERWEAR, UNDERSHIRTS, UNION SUITS, HOSIERY, SWIM TRUNKS, SPORT SHORTS, SPORT SHIRTS AND T-SHIRTS. COOPER'S, INCORPORATED, Kenosha, Wis.
Filed Oct. 25, 1947, Serial No. 539,027. Published Jan. 11, 1949. Class 39.

509,365. PERFUME. LUCIEN LELONG, INC., Chicago, Ill.
Filed Oct. 25, 1947, Serial No. 539,064. Published July 6, 1948. Class 6.

509,366. HOSIERY. GUILFORD HOSIERY MILLS, INC., High Point, N. C.
Filed Oct. 27, 1947, Serial No. 539,154. Published Dec. 21, 1948. Class 39.

509,367. CANNED CITRUS JUICES. PARAMOUNT CANNING COMPANY, Haines City, Fla., assignor to Earle T. Myers, Haines City, Fla.
Filed Oct. 27, 1947, Serial No. 539,204. Published Dec. 28, 1948. Class 46.

509,368. FRESH CITRUS FRUITS. EL RANCHITO CITRUS ASSOCIATION, Rivera, Calif.
Filed Oct. 28, 1947, Serial No. 539,298. Published Dec. 21, 1948. Class 46.

509,369. CANNED FRUIT. MOR-PAK PRESERVING CORPORATION, San Francisco, Calif.
Filed Oct. 28, 1947, Serial No. 539,335. Published Dec. 28, 1948. Class 46.

509,370. WINES. L. N. RENAULT & SONS, INC., doing business as Champagne Vintners, Egg Harbor City, N. J.
Filed Oct. 28, 1947, Serial No. 539,348. Published Jan. 11, 1949. Class 47.

509,371. PIECE GOODS OF COTTON AND RAYON AND MIXTURES THEREOF TREATED TO RENDER THEM WATERPROOF, DUSTPROOF, AND STAINPROOF. RESILOID CORPORATION, Brooklyn, N. Y.
Filed Oct. 28, 1947, Serial No. 539,351. Published Jan. 11, 1949. Class 42.

509,372. PAINT IN LIQUID AND PASTE FORM. KLING-TITE PAINT PRODUCTS COMPANY, Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,715. Published Dec. 28, 1948. Class 16.

509,373. ELECTRICAL APPARATUS—NAMELY, TERMINALS, HOODS, AND RUBBER SAFETY NIPPLES FOR SPARK PLUGS. THE RAJAH COMPANY, Bloomfield, N. J.
Filed July 8, 1947, Serial No. 539,811. Published Jan. 18, 1949. Class 21.

509,374. FRESH CITRUS FRUITS. THE LA HABRA CITRUS ASSOCIATION, also doing business as La Habra Citrus Ass'n., La Habra, Calif.
Filed Nov. 1, 1947, Serial No. 539,882. Published Jan. 4, 1949. Class 46.

509,375. FRESH CITRUS FRUITS. IVANHOE MUTUAL ORANGE ASSOCIATION, Ivanhoe, Calif.
Filed Nov. 3, 1947, Serial No. 539,958. Published Jan. 11, 1949. Class 46.

509,376. HOSIERY. NATIONAL HOSIERY MILLS, INC., Indianapolis, Ind.
Filed Nov. 3, 1947, Serial No. 539,975. Published Dec. 14, 1948. Class 39.

509,377. MEN'S AND BOYS' SUITS, COATS, PANTS, TROUSERS, AND VESTS. HASPEL BROTHERS, INC., New Orleans, La.
Filed Nov. 4, 1947, Serial No. 540,070. Published Jan. 11, 1949. Class 39.

509,378. NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND CONCENTRATES FOR MAKING SAME. MILNER & COKE LIMITED, London, England.
Filed Nov. 6, 1947, Serial No. 540,303. Published Jan. 18, 1949. Class 45.

509,379. CONCENTRATE MIXTURE OF APPLE AND GRAPE JUICES. RALPH L. GUY, doing business as The Rig Company, Glendale, Calif.
Filed Nov. 7, 1947, Serial No. 540,403. Published Jan. 18, 1949. Class 45.

509,380. RAZOR BLADES. THE FAIR, Chicago, Ill.
Filed Nov. 8, 1947, Serial No. 540,532. Published Jan. 11, 1949. Class 23.

509,381. DISTILLED POTABLE ALCOHOLIC BEVERAGE—NAMELY, WHISKEY. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed Nov. 12, 1947, Serial No. 540,781. Published Jan. 25, 1949. Class 49.

509,382. LACQUERS. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed Nov. 12, 1947, Serial No. 540,907. Published Jan. 11, 1949. Class 16.

509,383. WEIGHING SCALES. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed July 31, 1947, Serial No. 541,061. Published Dec. 28, 1948. Class 26.

509,384. MALT LIQUORS—NAMELY, LAGER BEER. JOS. SCHLITZ BREWING COMPANY, Milwaukee, Wis.
Filed Nov. 14, 1947, Serial No. 541,193. Published Jan. 11, 1949. Class 48.

509,385. RADIO AND ELECTRONIC TUBES. STANDARD ARCTURUS CORPORATION, Newark, N. J.
Filed Nov. 14, 1947, Serial No. 541,217. Published Jan. 11, 1949. Class 21.

509,386. WINES. PACIFIC WINES, Los Angeles, Calif.
Filed Nov. 18, 1947, Serial No. 541,564. Published Jan. 11, 1949. Class 47.

509,387. BRANDY. PACIFIC WINES, Los Angeles, Calif.
Filed Nov. 18, 1947, Serial No. 541,565. Published Jan. 11, 1949. Class 49.

509,388. MECHANICAL DEVICES FOR SOFA BEDS. THE SENG COMPANY, Chicago, Ill.
Filed Nov. 18, 1947, Serial No. 541,582. Published Jan. 11, 1949. Class 32.

509,389. FILING CABINETS AND FILING CABINET DRAWERS. ACME VISIBLE RECORDS, INC., Chicago, Ill.
Filed July 23, 1947, Serial No. 541,762. Published Jan. 11, 1949. Class 32.

509,390. BUTTON PROTECTOR AND/OR LIKE PAD FOR USE IN LAUNDERING AND DRY-CLEANING AND OTHER MACHINES. MANITOWOC COTTON GOODS MFG. CO., Manitowoc, Wis.
Filed Nov. 20, 1947, Serial No. 541,852. Published July 13, 1948. Class 24.

509,391. SHOES, SLIPPERS AND BOOTS OF LEATHER, FABRIC OR RUBBER, ETC. MILES SHOES INCORPORATED, New York, N. Y.
Filed Nov. 20, 1947, Serial No. 541,867. Published Dec. 28, 1948. Class 39.

509,392. MAGAZINE RELATING TO NEWS, COMMENT, AND PROGRAMS IN RADIO BROADCASTING ISSUED FROM TIME TO TIME. NATIONAL BROADCASTING COMPANY, INC., New York, N. Y.
Filed Nov. 20, 1947, Serial No. 541,874. Published Jan. 11, 1949. Class 38.

509,393. BARREL STANDS AND BARREL RACKS. WEST BEND EQUIPMENT CORPORATION, West Bend, Wis.
Filed Nov. 20, 1947, Serial No. 541,880. Published Jan. 11, 1949. Class 32.

509,394. ELECTRIC TURN-TABLES FOR SOUND RECORDING AND REPRODUCING APPARATUS. THE ALLIANCE MANUFACTURING COMPANY, Alliance, Ohio.
Filed Nov. 21, 1947, Serial No. 541,904. Published Jan. 11, 1949. Class 21.

509,395. SODA-FOUNTAIN SYRUPS—NAMELY, PINEAPPLE SYRUP, CHOCOLATE FLAVORED SYRUP, IMITATION WILD CHERRY SYRUP, FOUNTAIN COCOA; AND GRAPE JUICE. THE MOREY MERCANTILE COMPANY, Denver, Colo.
Filed Nov. 22, 1947, Serial No. 542,044. Published Jan. 4, 1949. Class 45.

509,396. NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, PARTICULARLY CARBONATED SOFT DRINK BEVERAGES CONTAINING A FLAVORING SYRUP. LEO PETERS, Evanston, Ill.
Filed Aug. 14, 1947, Serial No. 542,222. Published Jan. 11, 1949. Class 45.

509,397. BOX SPRINGS, PILLOWS, SOFA BEDS, STUDIO COUCHES, AND MATTRESSES. ARNOLD W. BECKER & CO., INC., New York, N. Y.
Filed Nov. 26, 1947, Serial No. 542,512. Published Jan. 11, 1949. Class 32.

509,398. GIN. THE DISTILLERS COMPANY LIMITED, Linden, N. J., and New York, N. Y.
Filed Nov. 28, 1947, Serial No. 542,543. Published Jan. 11, 1949. Class 49.

509,399. ELECTRIC MOTORS, ELECTRIC WELDERS, AND PARTS THEREOF. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed Nov. 28, 1947, Serial No. 542,650. Published Jan. 4, 1949. Class 21.

509,400. COTTON SHEETINGS. COLUMBUS MANUFACTURING CO., Columbus, Ga.
Filed Aug. 15, 1947, Serial No. 542,993. Published Jan. 4, 1949. Class 42.

509,401. CHILDREN'S BLOUSES. JACK JACOBS, New York, N. Y.
Filed Dec. 5, 1947, Serial No. 543,456. Published Jan. 11, 1949. Class 39.

509,402. ELECTRON TUBES USED IN RADIO RECEIVERS AND AS POWER TUBES. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed Dec. 5, 1947, Serial No. 543,522. Published Jan. 4, 1949. Class 21.

509,403. ELECTRIC STORAGE BATTERIES. SOLAR CORPORATION, Milwaukee, Wis.
Filed Dec. 8, 1947, Serial No. 543,756. Published Jan. 4, 1949. Class 21.

509,404. CIGARETTE LIGHTERS. VAN CLEEF & ARPELS, INC., New York, N. Y.
Filed Dec. 8, 1947, Serial No. 543,763. Published Jan. 11, 1949. Class 8.

509,405. WAX FOR FLOORS. FRANKLIN RESEARCH COMPANY, Philadelphia, Pa.
Filed Dec. 9, 1947, Serial No. 543,806. Published Dec. 28, 1948. Class 16.

509,406. CIGARETTE CASES FORMED MAINLY OF LEATHER. BUXTON, INCORPORATED, Springfield, Mass.
Filed Dec. 11, 1947, Serial No. 544,051. Published Jan. 11, 1949. Class 8.

509,407. SOUND EQUIPMENT—NAMELY, LOUD SPEAKERS FOR AUTOMOBILE RADIOS. ETHINGTON MFG. CORP., Venice, Calif.
Filed Dec. 15, 1947, Serial No. 544,339. Published Jan. 4, 1949. Class 21.

509,408. SOUND EQUIPMENT—NAMELY, LOUD SPEAKERS FOR AUTOMOBILE RADIOS. ETHINGTON MFG. CORP., Venice, Calif.
Filed Dec. 15, 1947, Serial No. 544,340. Published Jan. 4, 1949. Class 21.

509,409. PLASTIC FILM, IN ROLLS OF VARYING LENGTHS AND WIDTHS, FOR MAKING INTO SHOWER CURTAINS, GARMENT BAGS, BOWL COVERS, AND THE LIKE. RAINWEAR TOSCONY FABRICS, INC., New York, N. Y.
Filed Dec. 16, 1947, Serial No. 544,463. Published Jan. 4, 1949. Class 42.

509,410. ELECTRICAL MACHINES AND APPARATUS—NAMELY, SYNCHRONOUS GENERATORS, ETC. ELECTRIC MACHINERY MFG. COMPANY, Minneapolis, Minn.
Filed Dec. 17, 1947, Serial No. 544,556. Published Dec. 21, 1948. Class 21.

509,411. ELECTRICAL MACHINES AND APPARATUS—NAMELY, SYNCHRONOUS GENERATORS, SYNCHRONOUS MOTORS, DIRECT-CURRENT GENERATORS, INDUCTION MOTORS, ETC. ELECTRIC MACHINERY MFG. COMPANY, Minneapolis, Minn.
Filed Dec. 17, 1947, Serial No. 544,557. Published Dec. 21, 1948. Class 21.

509,412. MEN'S SUITS, COATS, VESTS, TROUSERS, AND OVERCOATS. S. G. HOLMES & SONS, INC., Tulsa, Okla.
Filed Oct. 2, 1947, Serial No. 544,633. Published Dec. 14, 1948. Class 39.

509,413. ORGANIC ODORIFEROUS AND FLAVOR-IMPARTING CHEMICALS, ETC. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed Sept. 30, 1947, Serial No. 544,816. Published Jan. 11, 1949. Class 6.

509,414. COFFEE CREAM DISPENSERS HAVING A MANUALLY ACTUATED METERING VALVE FOR DISPENSING A PREDETERMINED QUANTITY OF CREAM. E. HUGHES, doing business as Hughes Manufacturing Company, Tyler, Tex.
Filed Dec. 19, 1947, Serial No. 544,866. Published Jan. 11, 1949. Class 26.

509,415. WINDOW CURTAINS, BEDSPREADS, PILLOW SHAMS, AND VANITY SKIRTS. KUHN, BLUM & CO., INC., Philadelphia, Pa.
Filed Dec. 19, 1947, Serial No. 544,883. Published Jan. 4, 1949. Class 42.

509,416. RELAY RACKS, DESK PANELS, CABINET RACKS, TRANSMITTER RACKS, SLOPING FRONT CABINETS, AMPLIFIER FOUNDATION CHASSIS, SLOPING FRONT AMPLIFIER FOUNDATION CHASSIS, ETC. PAR-METAL PRODUCTS CORP., Long Island City and New York, N. Y.
Filed Dec. 24, 1947, Serial No. 545,388. Published Dec. 28, 1948. Class 21.

509,417. ELECTRIC FANS FOR DOMESTIC AND COMMERCIAL USE. THE O. A. SUTTON CORPORATION, INC., Wichita, Kans.
Filed Dec. 26, 1947, Serial No. 545,558. Published Dec. 28, 1948. Class 21.

509,418. CELERY BEVERAGE CONTAINING CARBONATED WATER, SUGAR, CITRIC ACID, CELERY FLAVOR, AND CARAMEL COLOR. AMERICAN BEVERAGE CORPORATION, Brooklyn, N. Y.
Filed Dec. 31, 1947, Serial No. 545,807. Published Jan. 18, 1949. Class 45.

509,419. THERMOSTATS, THERMOSTATIC TEMPERATURE REGULATORS, THERMOSTATIC WATER MIXERS, THERMOSTATIC VALVES, THERMOSTATIC SYSTEMS OF AUTOMATIC TEMPERATURE CONTROL, THERMOSTATIC TANK REGULATORS, AND THERMOSTATIC SAFETY CONTROL DEVICES AND IGNITION SYSTEMS FOR FUEL BURNERS. ROBERTSHAW-FULTON CONTROLS COMPANY, Youngwood, Pa.
Filed Dec. 31, 1947, Serial No. 545,895. Published Jan. 4, 1949. Class 26.

509,420. VARIABLE RESISTANCE DEVICES USED AS VOLUME CONTROLS FOR RADIO RECEIVING SETS. GLOBE-UNION INC., Milwaukee, Wis.
Filed Jan. 2, 1948, Serial No. 545,980. Published Dec. 28, 1948. Class 21.

509,421. INTERNAL COMBUSTION ENGINE-DRIVEN ELECTRICAL GENERATORS. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,126. Published Dec. 21, 1948. Class 21.

509,422. READY MIXED PAINTS AND PAINT ENAMELS. SPENCER-ADAMS PAINT CO., INC., Atlanta, Ga.
Filed Jan. 7, 1948, Serial No. 546,436. Published Jan. 11, 1949. Class 16.

509,423. ELECTRICAL WIRE AND CABLE. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J.
Filed Jan. 9, 1948, Serial No. 546,610. Published Dec. 21, 1948. Class 21.

509,424. ELECTRICAL WIRE AND CABLE. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J.
Filed Jan. 9, 1948, Serial No. 546,612. Published Dec. 21, 1948. Class 21.

509,425. ELECTRICAL WIRE AND CABLE. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J.
Filed Jan. 9, 1948, Serial No. 546,615. Published Dec. 21, 1948. Class 21.

509,426. BEDSPREADS AND DRAPERIES. CARTER BROTHERS, INCORPORATED, Chattanooga, Tenn.
Filed Jan. 13, 1948, Serial No. 546,820. Published Jan. 4, 1949. Class 42.

509,427. DISPLAY RACKS OR FIXTURES FOR DISPLAYING NECKTIES. ROY DISHMAN, doing business as Sho-All Company, Paducah, Ky.
Filed Jan. 15, 1948, Serial No. 547,105. Published Jan. 11, 1949. Class 32.

509,428. ELECTRIC CURRENT RECTIFIERS, INCLUDING SELENIUM, COPPER SULPHIDE, COPPER OXIDE, ELECTRON TUBE, AND MECHANICAL. BENWOOD-LINZE COMPANY, St. Louis, Mo., now by merger Vickers, Incorporated, a corporation of Michigan.
Filed Sept. 8, 1947, Serial No. 547,379. Published Jan. 4, 1949. Class 21.

509,429. ANTISEPTIC AND MEDICATED FOOT POWDERS, AND LOTIONS, BALMS, AND SALVES FOR THE RELIEF OF CORNS, BUNIONS, CALLOUSES, INGROWING NAILS, CHILBLAINS, SWEATING, ITCHING, AND OTHER FOOT TROUBLES AND IRRITATIONS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed Jan. 30, 1948, Serial No. 548,418. Published Jan. 18, 1949. Class 6.

509,430. TEXTILE RUGS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed Feb. 4, 1948, Serial No. 548,750. Published Dec. 21, 1948. Class 42.

509,431. COTTON FABRICS IMPREGNATED WITH A PLASTIC WATER-PROOFING MATERIAL. W. LAURENCE MELLOR, doing business as The W. L. Mellor Co., Kansas City, Mo.
Filed Feb. 9, 1948, Serial No. 549,163. Published Dec. 28, 1948. Class 42.

509,432. SMOKING TOBACCO. EDWARD A. KOLPIN, JR., Santa Monica, Calif.
Filed Feb. 11, 1948, Serial No. 549,449. Published Dec. 28, 1948. Class 17.

509,433. CIGARETTES. STEPHANO BROTHERS, Philadelphia, Pa.
Filed Feb. 12, 1948, Serial No. 549,592. Published Dec. 28, 1948. Class 17.

509,434. PERIODICAL. HERCULES POWDER COMPANY, Wilmington, Del.
Filed Feb. 14, 1948, Serial No. 549,731. Published Dec. 21, 1948. Class 38.

509,435. PERFUMES. GUY DEGAS, Paris, France.
Filed Feb. 17, 1948, Serial No. 549,909. Published Aug. 17, 1948. Class 6.

509,436. TOBACCO AND TOBACCO PRODUCTS—NAMELY, SMOKING TOBACCO, CHEWING TOBACCO, CIGARS, CIGARETTES, AND SNUFF. LARUS & BROTHER COMPANY, INC., Richmond, Va.
Filed Feb. 21, 1948, Serial No. 550,331. Published Dec. 28, 1948. Class 17.

509,437. WINDOW CURTAINS, DRAPES, BEDSPREADS, CURTAIN AND DRAPERY PIECE GOODS MADE FROM COTTON, RAYON, SILK, LINEN, AND MIXTURES THEREOF. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y.
Filed Mar. 5, 1948, Serial No. 551,274. Published Jan. 4, 1949. Class 42.

509,438. WINDOW CURTAINS, DRAPES, BEDSPREADS, CURTAIN AND DRAPERY PIECE GOODS MADE FROM COTTON, RAYON, SILK, LINEN, AND MIXTURES THEREOF. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y.
Filed Mar. 5, 1948, Serial No. 551,275. Published Jan. 4, 1949. Class 42.

509,439. MAGAZINE. TEMPLE TOPICS, Chicago, Ill.
Filed Mar. 5, 1948, Serial No. 551,339. Published Jan. 4, 1949. Class 38.

509,440. CIGARS. GRADIAS, ANNIS & CO., INC., Tampa, Fla.
Filed Dec. 1, 1947, Serial No. 552,310. Published Jan. 4, 1949. Class 17.

509,441. TEXTILE PIECE GOODS COMPOSED WHOLLY OR MAINLY OF WOOL OR WORSTED. JOSIAH FRANCE, LIMITED, Honley, near Huddersfield, England.
Filed Feb. 17, 1948, Serial No. 552,531. Published Jan. 11, 1949. Class 42.

509,442. WOVEN FABRICS IN THE PIECE COMPOSED WHOLLY OR MAINLY OF WOOL. WALTER GLEDHILL & SONS, LIMITED, Holmfirth, near Huddersfield, England.
Filed Feb. 17, 1948, Serial No. 552,532. Published Jan. 11, 1949. Class 42.

509,443. RUBBER TIRES. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed Mar. 22, 1948, Serial No. 552,631. Published Jan. 18, 1949. Class 35.

509,444. FABRICS MADE OF RAYON, AND OF RAYON AND COTTON. SHELHAR FABRICS CORPORATION, New York, N. Y.
Filed Mar. 27, 1948, Serial No. 553,220. Published Jan. 4, 1949. Class 42.

509,445. TIRES COMPOSED WHOLLY OR PRINCIPALLY OF RUBBER AND CAMELBACK. THE KELLY-SPRINGFIELD TIRE COMPANY, Cumberland, Md.
Filed Mar. 30, 1948, Serial No. 553,374. Published Jan. 18, 1949. Class 35.

509,446. PIECE GOODS OF COTTON, SILK, LINEN, AND SYNTHETIC FIBERS. BURLINGTON MILLS CORPORATION, Greensboro, N. C.
Filed Mar. 31, 1948, Serial No. 553,449. Published Jan. 4, 1949. Class 42.

509,447. TEXTILE RUGS AND CARPETS. NYE-WAIT COMPANY, INC., Auburn, N. Y.
Filed Apr. 2, 1948, Serial No. 553,734. Published Dec. 21, 1948. Class 42.

509,448. RAYON FABRIC IN THE PIECE USED FOR LINING. NEWPORT FINISHING CORPORATION, Fall River, Mass.
Filed Apr. 13, 1948, Serial No. 554,507. Published Jan. 4, 1949. Class 42.

509,449. LIVING ROOM FURNITURE—NAMELY, COMMODES, COCKTAIL TABLES, ETC. FAIRFIELD INDUSTRIES, Fairfield, Conn.
Filed Apr. 17, 1948, Serial No. 554,889. Published Jan. 11, 1949. Class 32.

509,450. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, RAYON, NYLON, CELLULOSE ACETATE, PROTEIN FIBERS, OR MIXTURES THEREOF. CROMPTON COMPANY, West Warwick, R. I.
Filed June 2, 1948, Serial No. 559,787. Published Jan. 11, 1949. Class 42.

509,451. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, RAYON, NYLON, CELLULOSE ACETATE, PROTEIN FIBERS, OR MIXTURES THEREOF. CROMPTON COMPANY, West Warwick, R. I.
Filed June 2, 1948, Serial No. 559,791. Published Jan. 4, 1949. Class 42.

509,452. TEXTILE RIBBONS SOLD BY THE YARD, SPOOL, PIECE, OR BOLT. BURLINGTON MILLS CORPORATION, Greensboro, N. C.
Filed June 30, 1948, Serial No. 560,446. Published Jan. 11, 1949. Class 42.

509,453. TEXTILE RIBBONS SOLD BY THE YARD, SPOOL, PIECE, OR BOLT. BURLINGTON MILLS CORPORATION, Greensboro, N. C.
Filed June 30, 1948, Serial No. 560,447. Published Jan. 11, 1949. Class 42.

509,454. DRAPERIES AND FABRIC WALL COVERINGS MADE OF RAYON AND COTTON. UNITED WALLPAPER, INC., Chicago, Ill.
Filed June 30, 1948, Serial No. 560,509. Published Jan. 11, 1949. Class 42.

509,455. WHEAT FLOUR. TEX-O-KAN FLOUR MILLS CO., doing business as Morten Milling Company, Dallas, Tex.
Filed Oct. 4, 1948, Serial No. 566,258. Published Jan. 4, 1949. Class 46.

509,456. DRY PRIMARY CELLS FOR USE IN FLASHLIGHTS, RADIOS, AND HEARING AIDS AND FOR OTHER USES. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed Oct. 25, 1948, Serial No. 567,595. Published Jan. 11, 1949. Class 21.

Service Marks

509,457. SERVICES IN THE WRITING OF CASUALTY INSURANCE. NEW ENGLAND CASUALTY INSURANCE COMPANY, Springfield, Mass.
Filed July 18, 1947, Serial No. 528,880. Published May 4, 1948. Class 55.

509,458. AIR TRANSPORTATION OF PASSENGERS, FREIGHT, EXPRESS, AND MAIL. NATIONAL AIRLINES, INC., Miami, Fla.
Filed Oct. 16, 1947, Serial No. 588,030. Published Nov. 9, 1948. Class 55.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

509,459. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LITTELFUSE INCORPORATED, El Monte, Calif. Filed July 13, 1948; originally filed, act of 1920, Oct. 6, 1945, Serial No. 480,520.

NITETLITE

FOR ELECTRIC LUMINOUS PLUG LAMPS FOR ELECTRIC OUTLETS.
Claims use since Aug. 1, 1945.

509,460. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) MARCUS BROTHERS TEXTILE CORP., New York, N. Y. Filed Oct. 10, 1947; originally filed, act of 1905, Jan. 26, 1946, Serial No. 495,486.

Eversmart

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, AND COMBINATION THEREOF.
Claims use since May 8, 1944.

500,461. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL FORMETAL COMPANY, INC., Cleveland, Ohio. Filed Dec. 30, 1948; originally filed, act of 1905, Jan. 30, 1946, Serial No. 495,683.



The drawing is lined for shading only.
FOR BEARINGS, BUSHINGS, TUBULAR SPACERS FOR MACHINES, AND MACHINE TOOLS.
Claims use since Nov. 1, 1919.

509,462. (CLASS 5. ADHESIVES.) UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Feb. 9, 1949; originally filed Jan. 23, 1948, Serial No. 501,098.

U-Sement

FOR LIQUID ADHESIVE WITH RUBBER OR RESIN BASE.
Claims use since Feb. 28, 1946.

509,463. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HENRY N. MITCHELL, doing business as Mitchell Laboratories, North Shapleigh, Maine. Filed Oct. 12, 1948, Serial No. 506,848.

Jel-Klene

FOR CLEANSER.
Claims use since July 1, 1946.

509,464. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CASCADE FROZEN FOODS, INC., Burlington, Wash. Filed Nov. 5, 1947, Serial No. 507,370.



FOR FROZEN PEAS.
Claims use since June 1, 1945.

509,465. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RUSSELL A. HOOD, doing business as Highland Electro Chemical Manufacturing Company, Connellsville, Pa. Filed Aug. 23, 1948, Serial No. 508,044.

SUPER-K

FOR ELECTRICAL INSULATING LIQUID COATING COMPOUND.
Claims use since Aug. 23, 1946.

509,466. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. A. SWANSON & SONS, Omaha, Nebr. Filed Aug. 16, 1948, Serial No. 508,873.

Carno

FOR FOOD FOR SMALL ANIMALS—NAMELY, DOGS, CATS, MINKS, AND FOXES.
Claims use since Apr. 22, 1946.

509,467. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NOEL O. STIMSON, Los Angeles, Calif. Filed Apr. 12, 1948, Serial No. 509,252.

TRU-FIT

FOR CONTACT LENSES FOR PERSONAL WEAR.
Claims use since Dec. 14, 1945.

509,468. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE TEDLOCK COMPANY, Los Altos, Calif. Filed Nov. 1, 1948, Serial No. 509,478.

Tedlock

FOR CLEANER FOR WASHABLE SURFACES.
Claims use since June 28, 1946.

509,469. (CLASS 40. FOODS AND INGREDIENTS OF FOODS.) WM. H. FLOYD, doing business as Wm. H. Floyd & Co., Los Angeles and Corning, Calif. Filed Feb. 16, 1948, Serial No. 510,072.

SAN-WICH-OLA

FOR CHOPPED OLIVE SANDWICH SPREAD.
Claims use since Oct. 2, 1946.

509,470. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAUDE C. GADDY, Norfolk, Va., administratrix of the estate of Addie Merritt Gaddy. Filed Oct. 12, 1948; originally filed, act of 1905, Nov. 5, 1946, Serial No. 512,061.

GADDY'S

FOR PILE REMEDY.
Claims use since Aug. 31, 1946.

509,471. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WARING PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 8, 1948; originally filed, act of 1905, Nov. 6, 1946, Serial No. 512,139.

Waring

FOR ELECTRICAL DISINTEGRATOR AND MIXER FOR PRODUCING FLUID SUBSTANCES FROM SOLID FOODS AND OTHER ORGANIC MATTER AND FOR INTERMIXING FLUIDS, FOR USE IN HOMES, RESTAURANTS, LABORATORIES, FOR INDUSTRIAL USE; AND FOR ELECTRICAL STEAM IRONS.
Claims use since November 1937.

509,472. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE LOEL MANUFACTURING COMPANY, Middleboro, Mass. Filed Nov. 1, 1948, Serial No. 513,322.

"THE OTHER SIDE IS WARMER"

FOR ELECTRIC HEATING PADS FOR THERAPEUTIC USE.
Claims use since Mar. 12, 1946.

509,473. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) MANCHESTER WORSTED MILLS, Methuen, Mass., assignee of Herbert R. Leeds & Co., Inc. Filed July 27, 1948, Serial No. 514,902.

INDIA DOESKIN

FOR WORSTED FABRICS IN THE PIECE.
Claims use since Dec. 23, 1946.

509,474. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRIC HEAT DEVICES, INC., Pittsburgh, Pa. Filed Mar. 7, 1949; originally filed, act of 1905, Jan. 2, 1947, Serial No. 515,165.

PLUG-IT

FOR ELECTRICAL HEAT DEVICES—NAMELY, HOUSED ELECTRIC HEATING ELEMENTS FOR PLUGGING INTO CONVENTIONAL SOCKETS FOR THE PURPOSE OF KEEPING CLOTHES CLOSETS DRY, DRYING CEDAR CHESTS, CRISPING CRACKERS, KEEPING PIANO WIRES FREE OF RUST, DEHUMIDIFYING ALL KINDS OF CONTAINERS, PREVENTING MILDEW AND MOLD DUE TO DAMPNESS, KEEPING FURNACE FIRE BOXES FREE OF RUST AND KEEPING AUTO ENGINES WARM IN COLD GARAGES
Claims use since Dec. 19, 1946.

509,475. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WANDER COMPANY, Chicago, Ill. Filed Dec. 9, 1947, Serial No. 515,207.

Tot-fare

FOR VITAMIN AND MINERAL FORTIFIED VEGETABLE AND CEREAL FOOD, FOR INFANTS, CHILDREN, AND CONVALESCENTS.
Claims use since Nov. 20, 1946.

509,476. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FABLO INDUSTRIES, INC., Cincinnati, Ohio. Filed Dec. 29, 1947, Serial No. 515,490.



FOR EDIBLE CONES FOR ICE CREAM AND OTHER CONFECTIONS.
Claims use since Dec. 17, 1946.

509,477. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. F. PARMELEE, doing business as United States Safety Service Company, Kansas City, Mo. Filed Dec. 9, 1948; originally filed, act of 1905, Jan. 13, 1947, Serial No. 515,077.



The drawing is lined for the color red.
FOR SALT TABLETS.
Claims use since December 1942.

509,478. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MIDLAND COOPERATIVE DAIRY ASSOCIATION, New York, N. Y., and Shawano, Wis. Filed Jan. 5, 1948, Serial No. 516,143.

Neumilk

FOR EVAPORATED MILK.
Claims use since Oct. 31, 1948.

509,479. (CLASS 2. RECEPTACLES.) TRAVER CORPORATION, Chicago, Ill. Filed Dec. 26, 1947, Serial No. 516,157.

FOIL-TITE

FOR HEAT SEALABLE METAL FOIL MERCHANDISE BAGS AND ENVELOPES FOR PACKAGING FOOD AND GENERAL MERCHANDISE.
Claims use since May 16, 1946.

509,480. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LOCKWOOD GRADER CORPORATION, Gering, Nebr. Filed Nov. 12, 1948; originally filed, act of 1905, Jan. 27, 1947, Serial No. 516,426.



FOR POTATO GRADING MACHINES.
Claims use since Mar. 1, 1940.

509,481. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KOPPER KRAFT INDUSTRIES, INC., Meadville, Pa., assignee of Ralph C. Hickernell. Filed Jan. 12, 1948, Serial No. 517,364.

Kopper-Kraft

FOR HAND HAMMERED NON-PRECIOUS METAL WARE—NAMELY, BOWLS, DISHES, SERVING TRAYS, PITCHERS, MUGS, AND TEA KETTLES.
Claims use since Sept. 1, 1946.

509,482. (CLASS 39. CLOTHING.) SMART MATRON, INC., Paola, Kans. Filed Sept. 13, 1948; originally filed, act of 1905, Mar. 3, 1947, Serial No. 518,435.

Smart Matron

FOR WOMEN'S DRESSES, COATS, AND JACKETS.
Claims use since Oct. 1, 1945.

509,483. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN E. HOWE, Yuma, Ariz. Filed Dec. 24, 1947, Serial No. 519,129.

HOWE

FOR FRESH VEGETABLES.
Claims use since October 1946.

509,484. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MACON CAR CORPORATION, New York, N. Y. Filed Nov. 19, 1947; originally filed, act of 1905, Mar. 31, 1947, Serial No. 519,881.



No claim is made to the word "Brand" apart from the mark as shown, nor to the representation of the shovel or scoop.
FOR SHOVELS, SCOOPS, AND SPADES.
Claims use since Apr. 1, 1933.

509,485. (CLASS 12. CONSTRUCTION MATERIALS.) TEXAS HOUSING COMPANY, Dallas, Tex. Filed Nov. 19, 1947, Serial No. 521,158.

The TOWN & COUNTRY *Cottage*

FOR PREFABRICATED HOUSES MADE OF WOOD.
Claims use since Oct. 1, 1946.

509,486. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SMITHVILLE INN, INC., Smithville, Ohio. Filed Sept. 3, 1948, Serial No. 522,773.

INN MAID

FOR FRESH FROZEN CHICKENS AND PARTS THEREOF, AND COFFEE AND NOODLES.
Claims use since Jan. 15, 1947.

509,487. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. KOHNSTAMM & CO., INC., New York, N. Y. Filed Jan. 22, 1949; originally filed, act of 1905, May 27, 1947, Serial No. 523,142.

BLANCMINTOL

FOR FLAVORING EXTRACTS FOR CONFECTIONERY.
Claims use since May 9, 1928.

509,488. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLOTILL PRODUCTS, INCORPORATED, Stockton, Calif. Filed May 22, 1948, Serial No. 523,834.

STOCKTON

FOR CANNED VEGETABLES.
Claims use since Apr. 30, 1947.

509,489. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HOME CURTAIN CORP., Far Rockaway, N. Y. Filed Jan. 28, 1949; originally filed Dec. 2, 1947, Serial No. 525,598.

Kwikpleat

FOR NARROW FABRIC WITH SLITS AND SLOTS THEREIN FOR USE IN PLEATING DRAPERIES AND CURTAINS.
Claims use since Oct. 1, 1946.

509,490. (CLASS 37. PAPER AND STATIONERY.) THE CHAPEL PRODUCTS COMPANY, Hartford, Conn. Filed Dec. 9, 1948, Serial No. 526,702.

MANSON

FOR BALL POINT PENS.
Claims use since Oct. 5, 1946.

509,491. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BRILLION IRON WORKS, INC., Brillion, Wis. Filed Feb. 24, 1949; originally filed Aug. 23, 1947, Serial No. 532,210.



The drawing is lined to indicate the colors red, yellow, and green.
FOR MACHINES FOR SOIL PREPARATION, PULVERIZING, AND PACKING, AND HAVING TWO ROWS OF SPACED SOIL PULVERIZING ROLLERS, AND HAVING SEED CONTAINERS AND SEED DELIVERING MEMBERS BETWEEN SAID ROWS OF ROLLERS, THE REARMOST ROLLERS BEING ADAPTED TO PACK THE SEED AND COVER SAME, AND SEEDING.
Claims use since Aug. 1, 1946.

509,492. (CLASS 20. BROOMS, BRUSHES, AND DUSTERS.) WALLACE J. LORENZ, Arlington, Calif. Filed July 30, 1948, Serial No. 533,232.

"It Dustsas it Sweeps"

FOR BROOMS AND MOPS.
Claims use since Apr. 15, 1947.

509,493. (CLASS 39. CLOTHING.) BERTIE J. JOHNSON, doing business as The Fezette Co., San Luis Obispo, Calif. Filed Dec. 4, 1948, Serial No. 534,636.

FEZETTE

FOR LADIES' HATS.
Claims use since Aug. 1, 1947.

509,494. (CLASS 37. PAPER AND STATIONERY.) NATIONAL PAPER NAPKIN MFG. CO., Chicago, Ill. Filed Nov. 26, 1948; originally filed Sept. 16, 1947, Serial No. 534,655.

NEW-FOLD

FOR FOLDED PAPER NAPKINS.
Claims use since Oct. 29, 1941.

509,495. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE INGALLS SHIPBUILDING CORPORATION, doing business as Longfellow House, Birmingham, Ala., and Pascagoula, Miss. Filed Nov. 3, 1948; originally filed Sept. 17, 1947, Serial No. 534,783.

Longfellow House

FOR COFFEE, PECANS IN THE SHELL, SHELLED AND SPICED PECANS, FROSTED PECANS, PECAN GLACE, PECAN PRALINES, CANNED SHRIMP, AND CANNED OYSTERS.
Claims use since Oct. 11, 1945.

509,496. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) BERKSHIRE WOOLEN COMPANY, Pittsfield, Mass. Filed Jan. 19, 1949; originally filed Sept. 18, 1947, Serial No. 534,871.

CRISP-COOL

Applicant claims ownership of Registration No. 341,543.
FOR WOOLEN AND WORSTED TROPICAL FABRICS IN THE PIECE, AND CRASHES IN THE PIECE.
Claims use since December 1933.

509,497. (CLASS 39. CLOTHING.) GLENWOOD CLOTHES, LTD., Poughkeepsie, N. Y. Filed Feb. 7, 1949; originally filed Sept. 24, 1947, Serial No. 535,520.

Glenwood

FOR MEN'S TOP COATS, OVERCOATS, SUITS, TROUSERS.
Claims use since Feb. 1, 1946.

509,498. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRO MANUFACTURING CORPORATION, Chicago, Ill. Filed Feb. 10, 1949; originally filed July 28, 1947, Serial No. 535,692.

ELECTRO-LITE

FOR FLUORESCENT LAMPS, BULBS, FLUORESCENT LIGHTING FIXTURES AND PARTS THEREFOR, ELECTRIC BED LAMPS, AND GERMICIDAL LAMPS.
Claims use since Jan. 10, 1934.

509,499. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BASIC FOODS, INC., New York, N. Y. Filed Oct. 20, 1948, Serial No. 535,787.

READI-RAP
Frost -O- Fast

Applicant claims ownership of Registration No. 328,018.
FOR ICING FOR CAKES AND COOKIES.
Claims use since Sept. 11, 1947.

509,500. (CLASS 32. FURNITURE AND UPHOLSTERY.) STEWART HARTSHORN COMPANY, New York, N. Y. Filed Oct. 21, 1948, Serial No. 536,308.

Fyrban

FOR CLOTH WINDOW SHADES AFFIXED TO ROLLERS.
Claims use since Sept. 16, 1947.

509,501. (CLASS 39. CLOTHING.) KAHN TAILORING COMPANY, Indianapolis, Ind. Filed Feb. 21, 1949; originally filed, Oct. 8, 1947, Serial No. 537,196.

The Kind of Clothes KAHN MADE TO MEASURE CLOTHES Gentlemen Wear

Applicant claims ownership of Registrations Nos. 252,945 and 253,667.
FOR MEN'S CLOTHES, COMPRISING COATS, VESTS, AND TROUSERS.
Claims use since Aug. 1, 1916.

509,502. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PUREPAC CORPORATION, New York, N. Y. Filed Dec. 29, 1948; originally filed, Oct. 11, 1947, Serial No. 537,621.

ALL THAT THE NAME IMPLIES

FOR SODIUM BICARBONATE, EPSOM SALT, BORIC ACID, COUGH SYRUP, BORAX, VITAMIN PREPARATIONS, CALAMINE LOTION, LAXATIVES, TOOTH PASTE AND TOOTH POWDER, FOOT POWDER, SUPPOSITORIES, HAIR OIL, HYDROGEN PEROXIDE, MILK OF MAGNESIA, MOUTH WASH, NAIL POLISH REMOVER, NASAL DROPS, WITCH HAZEL, SKIN LOTION, SKIN OINTMENTS, EXPECTORANTS, TALCUM POWDER, AFTER SHAVING LOTION, ANTISEPTICS, TOOTHACHE PREPARATIONS, ALUM, CHLOROFORM, INSECTICIDES, PAREGORIC, PSYLLIUM SEEDS, SENNA LEAVES, SODIUM PERBORATE, SODIUM CHLORIDE TABLETS, SPIRITS OF TURPENTINE, SPIRITS OF WINTERGREEN, SPIRITS OF PEPPERMINT, AND IODINE.
Claims use since March 1942.

509,503. (CLASS 39. CLOTHING.) HIRSH WALKER SHICK, Cincinnati, Ohio. Filed Feb. 17, 1949, Serial No. 537,947.

TY-AFORE

FOR WASH, WRAP-AROUND APRONS OR DRESSES FOR WOMEN AND CHILDREN.
Claims use since July 1, 1947.

509,504. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEMON COVE ASSOCIATION, Lemon Cove, Calif. Filed Jan. 24, 1949; originally filed, Oct. 27, 1947, Serial No. 539,182.

JUST AS GOOD

FOR FRESH CITRUS FRUITS.
Claims use since 1909.

509,505. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PLICOTE, INC., Pittsburgh, Pa. Filed Oct. 9, 1948, Serial No. 539,846.

Fire Stop

FOR LIQUID FIRE RESISTING WALL FINISH PAINT.
Claims use since Oct. 1, 1947.

509,506. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BRUSH DEVELOPMENT COMPANY, Cleveland, Ohio. Filed Feb. 17, 1949; originally filed, Nov. 7, 1947, Serial No. 540,378.

METALSEAL CRYSTALS

The lining on the drawing comprises part of the mark.
FOR PIEZOELECTRIC CRYSTAL ELEMENTS.
Claims use since Oct. 14, 1946.

509,507. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y. Filed Jan. 18, 1949; originally filed Nov. 7, 1947, Serial No. 540,465.

DURABELLE

FOR TEXTILE CARPETS AND RUGS.
Claims use since Dec. 27, 1945.

509,508. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y. Filed Jan. 18, 1949; originally filed Nov. 7, 1947, Serial No. 540,468.

CARLTON NOVELTY

FOR TEXTILE CARPETS AND RUGS.
Claims use since Nov. 21, 1945.

509,509. (CLASS 39. CLOTHING.) HENRY POLLAK, INC., New York, N. Y. Filed Nov. 4, 1948, Serial No. 541,335.

TAGALINE

FOR WOMEN'S HAT BODIES MADE OF STRAW.
Claims use since Oct. 1, 1947.

509,510. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES AND BUCKLEY, Dos Palos, Calif. Filed Feb. 28, 1949, Serial No. 542,030.

DOS PALOS

FOR FRESH MELONS AND FRESH VEGETABLES.
Claims use since Sept. 23, 1947.

509,511. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LEHMANN MACHINE COMPANY, St. Louis, Mo. Filed Nov. 28, 1947, Serial No. 542,660.

LEHMANN

FOR METAL WORKING LATHES.
Claims use since Mar. 9, 1916.

509,512. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MANCHESTER NARROW FABRICS COMPANY, Manchester, N. H. Filed Jan. 25, 1949, Serial No. 544,172.

LADDER MANCHESTER TAPE

FOR VENETIAN BLIND TAPE.
Claims use since Oct. 19, 1947.

509,513. (CLASS 12. CONSTRUCTION MATERIALS.) THE PERFECT-SEAL-WINDOW CO. OF AMERICA, Milwaukee, Wis., assignor to August J. Prondzinski, Milwaukee, Wis., doing business as The Perfect-Seal-Window Co. of America. Filed Nov. 5, 1948, Serial No. 544,607.

"Perfect-Seal-Windows"

FOR SLIDING SASH-INCORPORATING WINDOW CONSTRUCTIONS INCLUDING SASH AND SASH-RECEIVING FRAME AND PARTS THEREOF MADE OF WOOD OR METAL OR COMBINATIONS THEREOF.
Claims use since June 23, 1947.

509,514. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) MACCARTHY-REMOND CO., New York, N. Y. Filed Jan. 10, 1949, Serial No. 545,270.

MACCARTHY REMOND

FOR FABRICS IN THE PIECE MADE OF SILK, COTTON, RAYON, WOOL AND MIXTURES THEREOF AND LACE FABRICS IN THE PIECE.
Claims use since December 1946.

509,515. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJAMIN C. GOODE, Oklahoma City, Okla. Filed Dec. 30, 1947, Serial No. 545,737.

GOODE'S BARBECUE SAUCE



FOR SAUCE FOR MEATS, CHICKEN AND SEAFOOD.
Claims use since July 8, 1946.

509,516. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHARLES L. DWINELL CO., Kansas City, Mo. Filed Dec. 18, 1948, Serial No. 545,971.

DWINELL DISPLAYS

FOR ELECTRICAL ADVERTISING SIGNS.
Claims use since Feb. 14, 1947.

509,517. (CLASS 7. CORDAGE.) TESTED PAPERS OF AMERICA, INC., Chicago, Ill. Filed Dec. 7, 1948, Serial No. 547,791.

Test Cord

FOR TWINE.
Claims use since Oct. 17, 1917.

509,518. (CLASS 39. CLOTHING.) WILLIAM L. AVERY AND P. E. ARNALL, Miami, Fla. Filed Jan. 24, 1949, Serial No. 548,907.



FOR DIAPERS.
Claims use since Dec. 8, 1947.

509,519. (CLASS 12. CONSTRUCTION MATERIALS.) FULTON CONSTRUCTION COMPANY, Seattle, Wash. Filed Jan. 3, 1949, Serial No. 549,143.

PLYFLOR

FOR WOOD PRODUCT COMPRISED OF MULTIPLE STRIPS OF PLYWOOD PLACED ON EDGE AND BONDED TOGETHER AND USED FOR FLOORING, FIXTURE AND COUNTER TOPS, TABLE TOPS, AND WAINSCOT AND WALL PANELING.
Claims use since July 15, 1947.

509,520. (CLASS 39. CLOTHING.) D. PLUTZER & SONS, INC., New York, N. Y. Filed Feb. 4, 1949; originally filed Feb. 9, 1948, Serial No. 549,168.

Plutzer Prize WINNER

FOR MISSES' DRESSES.
Claims use since December 1945.

509,521. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE NEWTONS, Los Angeles, Calif. Filed Jan. 27, 1949, Serial No. 549,651.



The drawing is fanciful.
FOR CHILDREN'S PURSES AND HANDBAGS.
Claims use since Jan. 12, 1948.

509,522. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE P. STINE, doing business as Pharmaceutical Products Co., Washington, D. C. Filed Feb. 6, 1949, originally filed Feb. 13, 1948, Serial No. 549,679.

GARDNERS
PULVIS
CARBO-MAGNESIA COMPOUND

FOR ANTACID—NAMELY, A POWDERED PREPARATION FOR THE TREATMENT OF DIGESTIVE DISORDERS.
Claims use since Oct. 15, 1927.

509,523. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DILL COMPANY, Norristown, Pa. Filed Feb. 28, 1949, Serial No. 549,789.

DUZ-KIL



Applicant claims ownership of Registration No. 304,155.
FOR INSECTICIDE IN AN OIL BASE.
Claims use since Sept. 29, 1947.

509,524. (CLASS 39. CLOTHING.) FEINRIDER BROS., INC., New York, N. Y. Filed Feb. 26, 1948, Serial No. 550,592.



FOR LADIES' AND MISSES' DRESSES.
Claims use since Jan. 13, 1947.

509,525. (CLASS 39. CLOTHING.) JOSEPH STEIN COAT CO., INC., New York, N. Y. Filed Jan. 12, 1949, Serial No. 550,630.

TERRY KANE

The name "Terry Kane" is fanciful.
FOR LADIES' AND MISSES' COATS AND SUITS.
Claims use since June 2, 1947.

509,526. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WATERBURY COMPANIES, INCORPORATED, Waterbury, Conn. Filed Feb. 26, 1948, Serial No. 550,635.

Waterbury Plastics EST. 1812

Applicant claims ownership of Registration No. 413,362.
FOR GARMENT BUCKLES, BUTTONS, BUTTON BACKS, BUTTON EYES, BUTTON LOOPS, BUTTON TRIMMINGS, BUTTON ORNAMENTS, BUTTON CLIPS, GARMENT CLASPS, EYE FASTENERS, AND UPHOLSTERY BUTTONS, SAID ARTICLES BEING MADE OF NON-PRECIOUS METAL AND MOLDED PLASTIC COMPOSITION.
Claims use since Feb. 1, 1944.

509,527. (CLASS 39. CLOTHING.) EDGAR BERGMAN, New York, N. Y. Filed Mar. 17, 1948, Serial No. 552,113.

EDSON

FOR LADIES' WASHABLE CLOTH BELTS.
Claims use since Feb. 19, 1947.

509,528. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CENTENNIAL FLOURING MILLS COMPANY, Seattle, Wash. Filed Jan. 29, 1949, Serial No. 552,117.

Stopweed

FOR ESTER FORM WEED KILLER.
Claims use since Jan. 5, 1948.

509,529. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Jan. 7, 1949, Serial No. 552,835.

Woven into the Life of America

FOR PIECE GOODS OF COTTON, SILK AND SYNTHETIC FIBERS.
Claims use since Dec. 30, 1947.

509,530. (CLASS 43. THREAD AND YARN.) BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Jan. 7, 1949, Serial No. 552,837.

Woven into the Life of America

FOR YARN.
Claims use since Dec. 31, 1947.

509,531. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) D. B. FULLER & CO., INC., New York, N. Y. Filed Jan. 10, 1949, Serial No. 553,092.

SUPER-GAB

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES AND MIXTURES THEREOF.
Claims use since June 2, 1947.

509,532. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE DELSAM CO., Vineland, N. J. Filed May 3, 1948, Serial No. 556,077.

KLEVER KLEEVER

FOR KITCHEN IMPLEMENT, BEING FOR GENERAL USE FOR POULTRY, MEAT, FISH, AND VEGETABLES AS A STEAK TENDERIZER, AS A BOTTLE OPENER, FOR REMOVING TACKS AND NAILS, TO PRY OPEN JARS, AND TO LOOSEN REFRIGERATOR TRAYS, BEING MADE OF HIGHLY TEMPERED CARBON STEEL.

Claims use since Feb. 21, 1948.

509,533. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) EMPRESS HAND BAG CO., INC., New York, N. Y. Filed Jan. 19, 1949; originally filed June 2, 1948, Serial No. 558,290.

KORDEBEAD

FOR LADIES' HANDBAGS.

Claims use since Apr. 14, 1947.

TRADE-MARK REGISTRATIONS RENEWED

32,938. "LAROLA." Registered May 23, 1899. M. Beetham & Son. Re-renewed May 23, 1949, to M. Beetham & Son, a partnership composed of trustees under the will of William Childs Beetham, deceased, Cheltenham, England. ALL KINDS OF SOAP (WHETHER COMMON, PERFUMED, SANITARY, OR MEDICATED), PERFUMERY, AND TOILET PREPARATIONS FOR THE TEETH, SKIN, AND HAIR. Classes 4 and 6.

70,631. "SPERO" ETC. AND DESIGN. Registered Sept. 15, 1908. Richard Haworth and Company, Limited, Manchester, England, a company incorporated and organised under the laws of Great Britain. Re-renewed Sept. 15, 1948. COTTON PIECE GOODS OF ALL KINDS. Class 42.

72,613. MONARCH. Registered Feb. 9, 1909. The Bridgeport Chain Company. Re-renewed Feb. 9, 1949, to The Bridgeport Chain and Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut. SHEET METAL CHAIN. Class 13.

72,615. "CHARLES DENBY" ETC. WITH A MAN'S PORTRAIT AND DESIGN. Registered Feb. 9, 1909. H. Fendrich. Re-renewed Feb. 9, 1949, to H. Fendrich, Inc., Evansville, Ind., a corporation of Indiana. CIGARS. Class 17.

72,665. STERLING. Registered Feb. 9, 1909. Peerless Rubber Manufacturing Company. Re-renewed Feb. 9, 1949, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. HOSE COMPOSED OF RUBBER OR RUBBER AND FABRIC. Class 35.

72,916. SUPREME. Registered Mar. 2, 1909. Washburn Crosby Company. Re-renewed Mar. 2, 1949, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

73,186. TRIUMPH. Registered Mar. 30, 1909. The Bridgeport Chain Company. Re-renewed Mar. 30, 1949, to The Bridgeport Chain and Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut. WIRE CHAIN. Class 13.

73,228. CARBON. Registered Mar. 30, 1909. New York Belting and Packing Company, Limited. Re-renewed Mar. 30, 1949, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. BELTING AND HOSE COMPOSED OF RUBBER OR RUBBER AND FABRIC. Class 35.

73,722. "COLONIAL" AND REPRESENTATION OF COLONIAL MANSION. Registered May 11, 1909. Marshall Field & Company, Birmingham, Ala. Re-renewed May 11, 1949, to Colonial Fabrics, Inc., New York, N. Y., a corporation of New York. PRINTED AND DYED COTTON PIECE GOODS USED FOR INTERIOR DECORATIVE PURPOSES. Class 42.

73,958. BITUVIA. Registered June 1, 1909. Peter C. Reilly, Indianapolis, Ind. Re-renewed June 1, 1949. MATERIALS FOR OILING AND TOP-DRESSING ROADS. Class 15.

73,964. MEPHISTO. Registered June 1, 1909. The W. A. Ives Manufacturing Co., Wallingford, Conn. Re-renewed June 1, 1949, to The Mephisto Tool Co., Inc., Hudson, N. Y., a corporation of New York. AUGERS, AUGER BITS, MACHINE BITS, EXPANSIVE BITS AND BIT BRACES. Class 23.

74,125. HUMPTY DUMPTY. Registered June 22, 1909. Cummer Mfg. Co., Cadillac, Mich. Re-renewed June 22, 1949, to Owosso Manufacturing Co., Owosso, Mich., a corporation of Michigan. CRATES. Class 2.

74,128. MONOBEL. Registered June 22, 1909. E. I. du Pont de Nemours Powder Company, Hoboken, N. J. Re-renewed June 22, 1949, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. HIGH EXPLOSIVES. Class 9.

74,363. "D&G" MONOGRAM WITH DIAMOND-SHAPED BACKGROUND. Registered July 6, 1909. Charles T. Davis. Re-renewed July 6, 1949, to Davis & Geck, Inc., Brooklyn, N. Y., a corporation of New York. SUTURES, LIGATURES, BANDAGES, SPLINTS, SYRINGES, SPRAYS, VAPORIZERS, ETC. Class 44.

74,495. MEADOW GROVE. Registered July 13, 1909. The Cudahy Packing Company, Chicago, Ill., and South Omaha, Nebr. Re-renewed July 13, 1949, to The Cudahy Packing Company, Chicago, Ill., a corporation of Maine. SAUSAGE. Class 46.

74,749. REPRESENTATION OF TUG OF WAR GAME WITH COAT. Registered Aug. 3, 1909. Sweet, Orr & Company, New York, Newburgh, Wappingers Falls, and Brooklyn, N. Y., and Joliet, Ill. Re-renewed Aug. 3, 1949, to Sweet-Orr & Co., Inc., New York, N. Y., a corporation of New York. OVERALLS, COATS, AND TROUSERS. Class 39.

226,247. "BASCO" AND DESIGN. Registered Apr. 5, 1927. Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware. Renewed Apr. 5, 1947. BATTERY ELIMINATORS. Class 21.

249,780. LABEL DESIGN. Registered Nov. 20, 1928. White-Washburne Company, Inc., Hinsdale, N. H., a corporation of New Hampshire. Renewed Nov. 20, 1948. TOILET PAPER, PAPER TOWELS, AND PAPER NAPKINS. Class 37.

249,781. RED RAY. Registered Nov. 20, 1928. White-Washburne Company, Inc., Hinsdale, N. H., a corporation of New Hampshire. Renewed Nov. 20, 1948. TOILET PAPER, PAPER TOWELS, AND PAPER NAPKINS. Class 37.

251,290. DESERT DAINTIES. Registered Jan. 1, 1929. The Deglet Noor Date Growers Association. Renewed Jan. 1, 1949, to California Date Growers Association, Indio, Calif., a corporation of California. FRESH DATES. Class 46.

251,896. LLAMOVEL. Registered Jan. 15, 1929. Drey, Simpson & Company Limited, South Reddish, Stockport, and Manchester, England. Renewed Jan. 15, 1949, to Drey, Simpson & Company Limited, Stockport, England, a corporation of the United Kingdom. CLOTHS AND STUFFS OF WOOL, WORSTED, OR HAIR HAVING A PILE SURFACE THE SAME BEING PIECE GOODS. Class 42.

252,016. CHECKERED DESIGN. Registered Jan. 22, 1929. International Braid Company, Providence, R. I. Renewed Jan. 22, 1949, to International Braid Corp., Fall River, Mass., a corporation of Massachusetts. SHOE LACINGS, CORSET LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, ETC. Class 40.

252,456. CELANTHRENE. Registered Feb. 5, 1929. The Newport Company, Carrollville, Wis. Renewed Feb. 5, 1949, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. DYES, DYESTUFFS, AND COLORS. Class 6.

252,535. PEE DEE CLUB. Registered Feb. 12, 1929. Pee Dee Bottling Company, Wadesboro, N. C., a corporation of North Carolina. Renewed Feb. 12, 1949. MALTLESS, NONALCOHOLIC, CARBONATED BEVERAGES, AND INGREDIENTS FOR MAKING THE SAME. Class 45.

252,557. ECLIPSE. Registered Feb. 12, 1929. Geigy Company, Inc., New York, N. Y., a corporation of New York. Renewed Feb. 12, 1949. DYESTUFFS. Class 6.

252,598. WOOLABOC. Registered Feb. 12, 1929. Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware. Renewed Feb. 12, 1949. GASOLINES AND LUBRICATING OILS. Class 15.

252,651. MARSHMALLOW. Registered Feb. 12, 1929. Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Renewed Feb. 12, 1949. PAPER BAGS. Class 2.

252,798. "KESSLERS TELL CITY" AND REPRESENTATION OF PRETZEL. Registered Feb. 12, 1929. A. Kessler & Sons, Tell City, Ind., a firm. Renewed Feb. 12, 1949. PRETZELS. Class 46.

253,248. SURRAY. Registered Feb. 26, 1929. Cohn-Hall-Marx Co., New York, N. Y., a corporation of New York. Renewed Feb. 26, 1949. COTTON AND COTTON AND RAYON FABRICS. Class 42.

253,320. BARNEY & BERRY. Registered Feb. 26, 1929. Barney & Berry, Inc. Renewed Feb. 26, 1949, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware. FLASHLIGHTS AND BATTERIES. Class 21.

253,602. JIMSHIRT. Registered Mar. 5, 1929. Robert Reis & Co., New York, N. Y., a corporation of New York. Renewed Mar. 5, 1949. ATHLETIC OR PULL-OVER SHIRTS MADE OF KNITTED MATERIALS. Class 39.

253,644. DELCO. Registered Mar. 5, 1929. Delco-Remy Corporation, Anderson, Ind., and Dayton, Ohio. Renewed Mar. 5, 1949, to General Motors Corporation, Detroit, Mich., a corporation of Delaware. STORAGE BATTERIES. Class 21.

253,669. "LINIT" ETC. AND DESIGN LINED TO INDICATE THE COLORS BLUE AND BLACK. Registered Mar. 5, 1929. Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Renewed Mar. 5, 1949. STARCH FOR LAUNDRY AND BATHING PURPOSES. Class 6.

253,712. SPORTOCRAT. Registered Mar. 5, 1929. Robert Reis & Co., New York, N. Y., a corporation of New York. Renewed Mar. 5, 1949. BATHING SUITS, SWEATERS, AND KNIT AND WOVEN UNDERWEAR FOR MALES. Class 39.

253,986. SUEDSTED. Registered Mar. 12, 1929. Stedfast Rubber Company. Renewed Mar. 12, 1949, to Stedfast Rubber Co., Inc., Mattapan, Mass., a corporation of Massachusetts. ARTIFICIAL LEATHER. Class 50.

254,111. POLAR BEAR. Registered Mar. 12, 1929. Southern Dairies, Inc., Washington, D. C., a corporation of Delaware. Renewed Mar. 12, 1949. BODIES OF ICE CREAM HAVING A COATING OF EDIBLE SUBSTANCE. Class 46.

254,178. SILVERETTS. Registered Mar. 12, 1929. University Laboratories, Inc., Milwaukee, Wis., a corporation of Wisconsin. Renewed Mar. 12, 1949. SUPPOSITORY FOR USE IN THE TREATMENT OF THE VAGINA. Class 6.

254,269. SANI-CLOR. Registered Mar. 19, 1929. California Bleaching Water Co., Inc., San Francisco, Calif. Renewed Mar. 19, 1949, to Lady's Choice Foods, Los Angeles, Calif., a corporation of California. WASHING FLUID. Class 4.

254,505. CREAM OF THE SOUTH. Registered Mar. 26, 1929. Southern Dairies, Inc., Washington, D. C., a corporation of Delaware. Renewed Mar. 26, 1949. ICE CREAM, ICES, AND SHERBETS. Class 46.

254,928. "LEWIS' SINGLE BINDER 5¢ CIGAR" AND DESIGN LINED FOR RED. Registered Apr. 2, 1929. Frank P. Lewis Cigar Co., Peoria, Ill. Renewed Apr. 2, 1949, to D W G Cigar Corporation, Detroit, Mich., a corporation of Ohio. CIGARS. Class 17.

254,960. GADABOUT. Registered Apr. 2, 1929. Harzfeld's, Inc., Kansas City, Mo., a corporation of Missouri. Renewed Apr. 2, 1949. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. Class 39.

255,050. SOUTHERN DAIRIES. Registered Apr. 9, 1929. Southern Dairies, Inc., Washington, D. C., a corporation of Delaware. Renewed Apr. 9, 1949. FRESH AND PASTEURIZED MILK, FRESH AND PASTEURIZED CREAM, FRESH BUTTERMILK, BUTTER, ICE CREAM, ICES, AND SHERBETS. Class 46.

255,349. FEMINETTS. Registered Apr. 23, 1929. Gilbert F. Fitzgerald, doing business as Feminetts Co., Milwaukee, Wis. Renewed Apr. 23, 1949. EFFERVESCENT SUPPOSITORY FOR THE TREATMENT OF THE VAGINA. Class 6.

255,500. HERKOLITE. Registered Apr. 23, 1929. General Electric Company, Schenectady, N. Y., a corporation of New York. Renewed Apr. 23, 1949. ELECTRICAL INSULATION COMPRISING SHEET MATERIAL UNITED BY AN ADHESIVE BINDER AND INSULATORS MADE THEREFROM. Class 21.

256,132. "WENDELL-PAIGE" AND REPRESENTATION OF SHIELD ENCLOSED BY RECTANGULAR DESIGN. Registered May 7, 1929. The J. L. Hudson Company, Detroit, Mich., a corporation of Michigan. Renewed May 7, 1949. OUTER CLOTHING FOR MEN, YOUNG MEN, AND BOYS—NAMELY, COATS, VESTS, TROUSERS, AND OVERCOATS. Class 39.

256,133. "SANDY ROSS" AND REPRESENTATION OF SHIELD ENCLOSED BY RECTANGULAR DESIGN. Registered May 7, 1929. The J. L. Hudson Company, Detroit, Mich., a corporation of Michigan. Renewed May 7, 1949. OUTER CLOTHING FOR MEN, YOUNG MEN, AND BOYS—NAMELY, COATS, VESTS, TROUSERS, AND OVERCOATS. Class 39.

256,182. "U HALL" AND REPRESENTATION OF SHIELD ENCLOSED BY RECTANGULAR OUTLINE. Registered May 7, 1929. The J. L. Hudson Company, Detroit, Mich., a corporation of Michigan. Renewed May 7, 1949. OUTER CLOTHING—NAMELY, COATS, VESTS, TROUSERS, AND OVERCOATS FOR MEN, YOUNG MEN, AND BOYS. Class 39.

256,183. ADRIENNE. Registered May 7, 1929. The J. L. Hudson Company, Detroit, Mich., a corporation of Michigan. Renewed May 7, 1949. HOSIERY. Class 39.

256,236. LINESTARTER. Registered May 7, 1929. Westinghouse Electric & Manufacturing Company. Renewed May 7, 1949 (Supplemental Register), to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. ELECTRIC SWITCHES. Class 21.

256,407. "DRUMMER BOY" AND REPRESENTATION OF DRUMMER BOY. Registered May 14, 1929. E. M. Townsend & Co. Renewed May 14, 1949, to Jack Cohen, New York, N. Y. HOSIERY. Class 39.

256,524. "OVEN-TESTED". Registered May 21, 1929. Washburn Crosby Company. Renewed May 21, 1949, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

256,586. "GOLD BOAT" AND REPRESENTATION OF SAILBOAT LINED FOR GOLD COLOR. Registered May 21, 1929. Epstein-Minster Co. Inc. Renewed May 21, 1949, to I. Epstein & Sons, Inc., Newark, N. J., a corporation of New Jersey. CANNED STRINGLESS BEANS, EARLY JUNE PEAS, SUGAR CORN, ETC. Class 48.

256,605. ISOPULE. Registered May 21, 1929. H. A. Metz Laboratories, Inc. Renewed May 21, 1949, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware. AMPULES FOR CONTAINING MEDICAMENTS FOR CONJOINT USE WITH HYPODERMIC SYRINGES. Class 44.

256,750. "MAIZENA DURYEA" ETC. AND DESIGN. Registered May 21, 1929. Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Renewed May 21, 1949. CORNSTARCH. Class 46.

256,985. "THERMAX BRAND" AND DESIGN. Registered May 28, 1929. Thermatomic Carbon Company, Pittsburgh, Pa. Renewed May 28, 1949, to Thermatomic Carbon Company, New York, N. Y., a corporation of Delaware. CARBON BLACK USED FOR VARIOUS INDUSTRIAL PURPOSES, AND ESPECIALLY FOR COMPOUNDING WITH RUBBER. Class 1.

257,022. REPRESENTATION OF COW. Registered May 28, 1929. Church & Dwight Co., Inc., New York, N. Y., a corporation of Delaware. Renewed May 28, 1949. SAL SODA. Class 0.

257,094. G B S. Registered May 28, 1929. The Grasselli Chemical Company, Cleveland, Ohio. Renewed May 28, 1949, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. CLEANING COMPOUNDS CONSISTING WHOLLY OR IN PART OF ACID SODIUM SULFATE. Class 4.

257,270. "STURTEVANT" ETC. AND DESIGN. Registered June 4, 1929. B. F. Sturtevant Company, Hyde Park, Boston, Mass. Renewed June 4, 1949, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. CENTRIFUGAL FANS, PROPELLER FANS, BLOWERS, EXHAUSTERS, STEAM ENGINES, AND STEAM TURBINES. Class 23.

257,362. "RED BAND GUIDES" AND REPRESENTATION OF TWO BANDS, LINED FOR RED. Registered June 4, 1929. Yawman and Erbe Mfg. Co., Rochester, N. Y., a corporation of New York. Renewed June 4, 1949. FILING EQUIPMENT, PARTICULARLY FILE GUIDES FOR FILING CABINETS. Class 37.

257,513. "T P AERO MOTOR LUBRICATING OIL" ETC. AND DESIGN. Registered June 11, 1929. Texas Pacific Coal and Oil Company, Fort Worth, Tex., a corporation of Texas. Renewed June 11, 1949. LUBRICATING OILS. Class 15.

257,588. RAVISSANT. Registered June 11, 1929. Vanity Fair Silk Mills. Renewed June 11, 1949, to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania. NIGHTGOWNS, BATHING SUITS, PAJAMAS, PETTICOATS; UNDERWEAR OF KNITTED OR TEXTILE FABRIC, ETC. Class 39.

257,615. AIRLINE. Registered June 11, 1929. L. Buchman Co., Inc., Brooklyn, N. Y., a corporation of New York. Renewed June 11, 1949. PILLOWS AND CUSHIONS. Class 32.

257,781. "M MITCHELL" AND DESIGN. Registered June 18, 1929. James L. Mitchell, Oxnard, Calif. Renewed June 18, 1949. ELECTRICAL SWITCHBOARDS, CONVECTION-TYPE ELECTRICAL AIR HEATERS, ELECTRIC PUMPING-PLANT PANEL BOARDS, ETC. Class 21.

257,795. SMART-MAID. Registered June 18, 1929. International Shoe Company, St. Louis, Mo., a corporation of Delaware. Renewed June 18, 1949. BOOTS AND SHOES OF LEATHER. Class 39.

257,988. REPRESENTATION OF POLAR BEAR AND DESIGN. Registered June 25, 1929. Southern Dairies, Inc., Washington, D. C., a corporation of Delaware. Renewed June 25, 1949. BODIES OF ICE CREAM HAVING A COATING OF EDIBLE SUBSTANCE. Class 46.

258,235. "PHANODORN" AND DESIGN. Registered July 2, 1929. Winthrop Chemical Company, Inc. Renewed July 2, 1949, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware. SEDATIVES AND HYPNOTICS. Class 6.

258,268. DEBUTANTE. Registered July 2, 1929. The Kroydon Company, Maplewood, N. J., a corporation of New Jersey. Renewed July 2, 1949. GOLF SHAFTS. Class 22.

258,320. DESIGN OF PASTORAL SCENE AND WINDMILL. Registered July 2, 1929. Dairy Made Ice Cream Company, Inc., Paterson, N. J. Renewed July 2, 1949, to The Borden Company, New York, N. Y., a corporation of New Jersey. ICE CREAM. Class 46.

258,346. "AMES 2 STAR" ETC. WITH REPRESENTATION OF TWO-STARRED SHIELD ENCLOSED BY RECTANGULAR OUTLINE. Registered July 2, 1929. Ames Shovel and Tool Company, North Easton, Mass. Renewed July 2, 1949, to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware. TOOLS AND PARTS THEREOF—NAMELY, SHOVELS, SPADES, SCOOPS, ICE CHOPPERS, AND SNOW PUSHERS. Class 23.

258,347. "AMES 3 STAR" ETC. WITH REPRESENTATION OF THREE-STARRED SHIELD ENCLOSED BY RECTANGULAR OUTLINE. Registered July 2, 1929. Ames Shovel and Tool Company, North Easton, Mass. Renewed July 2, 1949, to Ames Baldwin Wyoming Co., Parkersburg, W. Va., a corporation of Delaware. TOOLS AND PARTS THEREOF—NAMELY, SHOVELS, SPADES, SCOOPS, ICE CHOPPERS, AND SNOW PUSHERS. Class 23.

258,386. FANCHON. Registered July 9, 1929. Quaker Hosiery Company, Inc. Renewed July 9, 1949, to Quaker Lace Company, Philadelphia, Pa., a corporation of Pennsylvania. HOSIERY. Class 39.

258,951. ECONO-MILK. Registered July 16, 1929. Montana Flour Mills Company, Great Falls, Mont., a corporation of Montana. Renewed July 16, 1949. DAIRY FEED. Class 46.

259,065. SUNNY GLEN. Registered July 23, 1929. Escondido Co-operative Citrus Association, Escondido, Calif., a corporation of California. Renewed July 23, 1949. FRESH CITRUS FRUITS. Class 46.

259,081. "BRIDGE" AND REPRESENTATION OF PLAYING CARDS, THE DIAMONDS AND HEARTS OF WHICH ARE LINED FOR RED COLOR. Registered July 23, 1929. American Chewing Products Corp., Newark, N. J., a corporation of New Jersey. Renewed July 23, 1949. CHEWING GUM, NOT CANDY COATED. Class 46.

259,097. "CHICKS" AND REPRESENTATION OF TWO CHICKS ON LABEL DESIGN LINED FOR YELLOW AND BLUE COLORS. Registered July 23, 1929. American Chewing Products Corp., Newark, N. J., a corporation of New Jersey. Renewed July 23, 1949. CANDY-COATED CHEWING GUM. Class 46.

259,130. "MARY OLIVER" AND DESIGN. Registered July 23, 1929. The Mary Oliver Candy Shops, Inc., New Haven, Conn., a corporation of Connecticut. Renewed July 23, 1949. CANDIES AND CHOCOLATES. Class 46.

259,266. "PURITY" AND DRAWING. Registered July 30, 1929. Purity Oats Company, Keokuk, Iowa. Renewed July 30, 1949, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. ROLLED OATS OR OAT FLAKES. Class 46.

259,348. KIDIFORM. Registered July 30, 1929. Stern Brothers, New York, N. Y., a corporation of New York. Renewed July 30, 1949. CHILDREN'S SHOES OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS THEREOF. Class 39.

259,355. "THE LOUNGEABOUT" AND DESIGN. Registered July 30, 1929. Stern Brothers, New York, N. Y., a corporation of New York. Renewed July 30, 1949. WOMEN'S AND MISSES' HATS, HOSIERY; SHOES OF LEATHER, CALFSKIN, SATIN, ETC. Class 39.

259,480. TIPLETS. Registered July 30, 1929. Joseph Tetley & Co., Inc. Renewed July 30, 1949, to Tetley Tea Co., Inc., New York, N. Y., a corporation of New York. PACKAGES OF TEA. Class 46.

259,481. JOTCO. Registered July 30, 1929. Joseph Tetley & Co., Inc. Renewed July 30, 1949, to Tetley Tea Co., Inc., New York, N. Y., a corporation of New York. PACKAGES OF TEA. Class 46.

259,616. REPRESENTATION OF VERTICAL DASHES SPACED EQUAL DISTANCE APART. Registered Aug. 6, 1929. The Stanley Works, New Britain, Conn., a corporation of Connecticut. Renewed Aug. 6, 1949. MEASURING RULES. Class 26.

259,626. CELOPTIMA. Registered Aug. 6, 1929. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Aug. 6, 1949. FABRICS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. Class 42.

259,627. CELAPRIMA. Registered Aug. 6, 1929. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Aug. 6, 1949. FABRICS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. Class 42.

259,698. "S" ETC. ENCLOSED BY DIAMOND DESIGN LINED FOR RED COLOR. Registered Aug. 6, 1929. Sargeant Aenold Pharmaceutical Co. Inc., East Orange, N. J. Renewed Aug. 6, 1949, to Stanley M. Sargeant, Highland Mills, N. Y. OINTMENT FOR LOCAL USE TO RELIEVE PAIN AND SORENESS, A MISCIBLE CLEANSING CREAM FOR THE SKIN, ETC. Class 6.

259,750. PENNTEX. Registered Aug. 6, 1929. Victor Balata & Textile Belting Co., New York, N. Y., a corporation of Pennsylvania. Renewed Aug. 6, 1949. SOLID INTERWOVEN BELT. Class 35.

259,793. LOOM PRIDE. Registered Aug. 6, 1929. William Snower, doing business as Kansas City White Goods Manufacturing Company, Kansas City, Mo. Renewed Aug. 6, 1949. COTTON SHEETING, SHEETS, PILLOW CASES, BLANKETS, AND BEDSPREADS. Class 42.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

233,765. "HANDY-ANDY" AND FANCIFUL DRAWING. Registered Oct. 11, 1927. Handy Andy Community Stores, Inc., Miami, Fla. CANNED PEACHES. Class 46. Corrected as follows: In the new certificate of the above numbered registration, line 1 and lines 12 and 13, name of owner, for "Handy-Andy Community Stores, Inc." read *Hondy-Andy Community Stores, Inc. of Texas.*

316,997. REPRESENTATION OF HEART. Registered Sept. 11, 1934. John Morrell & Co., Ottumwa, Iowa. FOOD FOR DOGS, CATS, FOXES, ETC. Class 46. Corrected as follows: In the certificate, line 4; and in the statement, line 2, "Iowa" should be *Moine.*

317,382. "RED HEART" AND ENSEMBLE. Registered Sept. 25, 1934. John Morrell & Co., Ottumwa, Iowa. FOOD FOR DOGS, CATS, FOXES, ETC. Class 46. Corrected as follows: In the certificate, line 4; and in the statement, line 2, "Iowa" should be *Moine.*

433,061. BONFIRE. Registered Sept. 23, 1947. Whis Fish Products Company, Seattle, Wash. CANNED SHELLFISH AND CANNED FISH. Class 46. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 2 of the statement; and in the printed signature to the statement, "Whis Fish Products Company" should be *Whis Fish Products Company, Inc.*; and in the certificate, line 4; and in the statement, line 2, "California" should be *Washington.*

441,638. "SUN RAY" AND DESIGN. Registered Dec. 21, 1948. Morris Langhaus, doing business as Sun-Ray Hair Preparations Co., New York, N. Y. HAIR COLORS, HAIR TONICS, LOTIONS FOR THE TREATMENT OF HAIR AND SCALP, AFTER SHAVING LOTION, ETC. Class 6. Corrected as follows: In the statement, second column, line 19, date of use, for "May 20, 1935" read *May 20, 1925.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

505,305. AROBON. Registered Dec. 28, 1948. Nestle's Milk Products, Inc. PREPARATION TO RELIEVE GASTRO-INTESTINAL DISORDERS. Class 6. New certificate under section 7(c) issued May 3, 1949, to The Nestle Company, Inc., New York, N. Y., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 69,576. Registered June 23, 1908. PFISTER AND VOGEL LEATHER COMPANY, Milwaukee, Wis. Republished by Pfister & Vogel Tanning Company, Milwaukee, Wis., a corporation of Wisconsin.

PEVEE

FOR UNCUT LEATHERS FOR MANUFACTURING PURPOSES.
Claims use since July 1, 1905.

Reg. No. 69,577. Registered June 23, 1908. PFISTER AND VOGEL LEATHER COMPANY, Milwaukee, Wis. Republished by Pfister & Vogel Tanning Company, Milwaukee, Wis., a corporation of Wisconsin.

P&V

FOR UNCUT LEATHERS FOR MANUFACTURING PURPOSES.
Claims use since July 1, 1905.

Reg. No. 123,286. Registered Oct. 22, 1918. SOCIÉTÉ CHIMIQUE DES USINES DU RHONE ANCIENNEMENT GILLIARD, P. MONNET ET CARTIER, Paris, France. Republished by Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a company organized under the laws of France.

RHODOÏD

FOR CELLULOID.
Claims use since December 1917.

Reg. No. 203,728. Registered Sept. 22, 1925. THE GRIESS-PFLEGER TANNING CO., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant, present address Waukegan, Ill.

Lozelle

FOR LEATHER.
Claims use since about Sept. 29, 1924.

Reg. No. 221,903. Registered Dec. 14, 1926. THE GRIESS-PFLEGER TANNING CO., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant, present address, Waukegan, Ill.

TREASURE ISLAND

FOR LEATHER.
Claims use since on or about July 8, 1926.

Reg. No. 230,371. Registered July 19, 1927. THE GRIESS-PFLEGER TANNING CO., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant, present address Waukegan, Ill.

KIDIKAF

FOR LEATHER.
Claims use since on or about May 20, 1919.

Reg. No. 347,145. Registered June 15, 1937. KATZ DRUG COMPANY, Kansas City, Mo., a corporation of Delaware. Republished by registrant.



FOR GRASS SEED.
Claims use since on or about Dec. 15, 1936.

Reg. No. 356,483. Registered Apr. 26, 1938. BELL & ZOLLER COAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SUPER-X

FOR COAL.
Claims use since Sept. 1, 1937.

Reg. No. 357,114. Registered May 24, 1938. BELL & ZOLLER COAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The expressions "The Perfect Stoker Fuel," "Zeigler," and "Washed—Waxed—Dustless," are disclaimed apart from the mark as shown, and the representation of the label is also disclaimed.
FOR COAL.
Claims use since Sept. 1, 1937.

Reg. No. 357,115. Registered May 24, 1938. BELL & ZOLLER COAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Zeigler," "The Perfect Stoker Fuel," and "Washed—Treated—Dustless" are disclaimed apart from the mark as shown, and the representation of the label is also disclaimed.
FOR COAL.
Claims use since Aug. 1, 1936.

Reg. No. 358,709. Registered July 26, 1938. BELL & ZOLLER COAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Superwashed

The word "Washed" is disclaimed apart from the mark as shown.
FOR COAL.
Claims use since Aug. 1, 1935.

Reg. No. 359,199. Registered Aug. 9, 1938. BELL & ZOLLER COAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Washed," "Zeigler," and "Coal" are disclaimed apart from the mark as shown.
FOR COAL.
Claims use since Oct. 1, 1937.

Reg. No. 359,203. Registered Aug. 9, 1938. BELL & ZOLLER COAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The word "Washed" is disclaimed apart from the mark as shown.
FOR COAL.
Claims use since Aug. 1, 1935.

Reg. No. 360,015. Registered Sept. 6, 1938. BELL & ZOLLER COAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Washed," "Zeigler," and "Much Hotter and Cleaner" are disclaimed apart from the mark as shown.
FOR COAL.
Claims use since Aug. 1, 1935.

Reg. No. 401,132. Registered Apr. 27, 1948. BELL & ZOLLER COAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Super-V

FOR COAL.
Claims use since May 23, 1942.

Reg. No. 437,546. Registered Mar. 30, 1948. J. I. AND C. V. SIMPSON, Waterville, Minn., a firm. Republished by registrant

TETONKA

FOR SEED CORN.
Claims use since Sept. 29, 1934.

CLASS 2

RECEPTACLES

Reg. No. 268,553. Registered Mar. 18, 1930. COHN & ROSENBERGER, INC., New York, N. Y. Republished by Coro, Inc., New York, N. Y., a corporation of New York.

DUETTE

FOR FINGER RINGS, NECKLACES, BRACELETS, EARRINGS, AND BROOCHES, AND FOR HATPINS, HAT ORNAMENTS, NECKLACE CLASPS, VANITY CASES, CIGARETTE CASES, MESH BAGS, AND MESH-BAG FRAMES, MADE WHOLLY OR IN PART OF OR PLATED WITH PRECIOUS METAL.
Claims use since Oct. 1, 1929.

Reg. No. 293,387. Registered Apr. 19, 1932. THE MENASHA PRODUCTS COMPANY, Menasha, Wis. Republished by Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin.

MENASHA

The name "Menasha" is disclaimed apart from the mark as shown.
FOR METAL HOLDERS AND DISPENSERS FOR PAPER NAPKINS, RECEPTACLES MADE OF PAPER; AND RECEPTACLES MADE OF PULP—NAMELY, BOXES, CARTONS, PAILS, PLATES, TUBES, AND DISHES.
Claims use since January 1920.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 268,553. Registered Mar. 18, 1930. COHN & ROSENBERGER, INC., New York, N. Y. Republished by Coro, Inc., New York, N. Y., a corporation of New York.

DUETTE

FOR FINGER RINGS, NECKLACES, BRACELETS, EARRINGS, AND BROOCHES, AND FOR HATPINS, HAT ORNAMENTS, NECKLACE CLASPS, VANITY CASES, CIGARETTE CASES, MESH BAGS, AND MESH-BAG FRAMES, MADE WHOLLY OR IN PART OF OR PLATED WITH PRECIOUS METAL.
Claims use since Oct. 1, 1929.

Reg. No. 366,822. Registered May 2, 1939. SHWAYDER BROS., INC., Denver, Colo., a corporation of Colorado. Republished by registrant.

SAMSONITE
Streamlite

FOR TRUNKS, SUITCASES, AND TRAVELING BAGS.
Claims use since Apr. 18, 1938.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 64,179. Registered July 30, 1907. STERLING OIL COMPANY, Emlenton, Pa. Republished by Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware.

CROWN

FOR OILS AND GREASES USED IN STUFFING AND FINISHING LEATHER.
Claims use since January 1901.

Reg. No. 243,695. Registered June 26, 1928. EDWARD C. WALKER, doing business as Kozak, Batavia, N. Y. Republished by Kozak, Inc., Batavia, N. Y., a corporation of New York.

DRY WASH

FOR CHEMICALLY-TREATED CLOTHS FOR CLEANING LACQUERED AND ENAMELED FINISHES.
Claims use since Feb. 2, 1927.

Reg. No. 268,355. Registered Mar. 11, 1930. RED SPOT PAINT & VARNISH CO., also doing business as Evansville Paint & Varnish Co., Evansville, Ind. Republished by Red Spot Paint & Varnish Co., Inc., Evansville, Ind., a corporation of Indiana.

RED SPOT

The drawing is lined to indicate the color red.
FOR CLEANER BOTH CAUSTIC AND ABRASIVE, IN PASTE AND LIQUID FORM FOR FLOORS, FURNITURE, WOODWORK, WALLS, AND WINDOW SHADES, OIL SOAPS, METAL POLISH, NICKEL PASTE.
Claims use since June 1, 1912.

Reg. No. 331,286. Registered Dec. 31, 1935. DASCO PRODUCTS CO., INC., New York, N. Y. Republished by D. A. Schulte, Inc., New York, N. Y., a corporation of New York.

DASCO

FOR SHAVING CREAM AND BRUSHLESS SHAVING CREAM.
Claims use since Mar. 30, 1932.

Reg. No. 438,322. Registered Apr. 13, 1948. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

DERBY

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since Nov. 28, 1884.

Reg. No. 438,323. Registered Apr. 13, 1948. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

POLO

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since Mar. 13, 1880.

Reg. No. 438,330. Registered Apr. 13, 1948. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

KIRK'S

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since June 11, 1885.

Reg. No. 438,342. Registered Apr. 13, 1948. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

MOON

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since 1877.

Reg. No. 438,357. Registered Apr. 13, 1948. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

PROCTER & GAMBLE

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since 1877.

CLASS 5

ADHESIVES

Reg. No. 75,487. Registered Oct. 5, 1909. ROBESON PROCESS COMPANY, Camden, N. J., Au Sable Forks and New York, N. Y., and Covington, Va., a corporation of New Jersey. Republished by registrant, present address New York, N. Y.



FOR LIQUID ADHESIVE EMPLOYED AS A BINDER OR BONDING AGENT IN THE MANUFACTURE OF CORES, BLOCKS, BRICKS, BRIQUETS, AND OTHER SHAPES AND MASSES FROM FINELY DIVIDED MINERAL MATTER, SUCH AS SAND, EARTHS, CEMENTS, ORES, AND FUELS, AND AS A BINDING AGENT FOR ROADS AND ROAD SURFACES.
Claims use since about Aug. 15, 1908.

Reg. No. 92,500. Registered July 15, 1913. AMERICAN GUM PRODUCTS CO., Boston, Mass. Republished by American Gum Products Company, New York, N. Y., a corporation of Virginia.

GOULAC

FOR MANUFACTURED GUM.
Claims use since Feb. 15, 1913.

Reg. No. 255,202. Registered Apr. 16, 1929. ROBESON PROCESS COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant.

GLUTRIN

FOR LIQUID ADHESIVE EMPLOYED AS A BINDER OR BONDING AGENT IN THE MANUFACTURE OF CORES, BLOCKS, BRICKS, BRIQUETS, AND OTHER SHAPES OR MASSES, FROM FINELY-DIVIDED MINERAL MATTER, SUCH AS SAND, EARTHS, CEMENTS, ORES, AND FUEL.
Claims use since November 1904.

Reg. No. 349,696. Registered Aug. 31, 1937. THE GEORGE WORTHINGTON COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

FEAR HAZIR

FOR FRICTION TAPE, RUBBER TAPE, GLUE, METAL CEMENT, AND RUBBER CEMENT.
Claims use since Sept. 1, 1936.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 29,457. Registered Jan. 12, 1897. VEREINIGTE CHININFABRIKEN, ZIMMER & CO., GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Frankfort-on-the-Main, Germany. Republished by The Chemical Foundation, Incorporated, New York, N. Y., a corporation of New York.

Validol

FOR MEDICAMENT COMPRISING MENTHOL DISSOLVED IN THE MENTHOL ETHER OF VALERIC ACID.
Claims use since Mar. 1, 1896.

Reg. No. 240,185. Registered Mar. 20, 1928. THE BOYD MANUFACTURING COMPANY, Birmingham, Ala., a corporation of Alabama. Republished by registrant.

BROWN BEAUTY

FOR ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, REFRESHING CREAMS, OBESITY ASTRINGENTS, DRY ROUGES, LIQUID ROUGES, ROSE TINTS, FACE BLEACHES, FACE PACKS, EYEBROW AND EYELASH GROWER, EYEDROPS, HAND LOTIONS, SKIN LOTIONS, FACE POWDERS, TALCUM POWDERS, SACHETS, HAIR SALVES, HAIR ELIXIRS, HAIR TONICS, SHAMPOOS, HAIR DYES, BATH SALTS, SMELLING SALTS, LIP STICKS, INCENSE, TOOTH POWDERS, MOUTH WASHES, DENTIFRICES, TOOTH PASTES, NAIL POWDERS, NAIL CREAMS, NAIL BLEACHES, WITCH-HAZEL, PEROXIDE, PETROLEUM JELLIES, WITCH-HAZEL SALVES, CAMPHOR CREAMS, FOOT POWDERS, DEODORANTS, DISINFECTANTS, ASPIRIN, BAY RUM, PERFUMES, AND TOILET WATERS.
Claims use since Jan. 15, 1921.

Reg. No. 245,894. Registered Aug. 28, 1928. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo., a corporation of Missouri. Republished by registrant.

BLOX-ODOR

The word "Odor" is disclaimed apart from the mark as shown.
FOR DEODORANT IN CRYSTAL FORM.
Claims use since Oct. 1, 1927.

Reg. No. 258,376. Registered July 2, 1929. FLORIAN, INC., Detroit, Mich., a corporation of Iowa. Republished by registrant.

Dash

FOR LOTION FOR USE AFTER SHAVING.
Claims use since Nov. 27, 1928.

Reg. No. 281,831. Registered Mar. 31, 1931. ROBESON PROCESS COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant.

MORDEX

FOR LIQUID MATERIAL TO BE USED IN THE MORDANTING OF TEXTILES.
Claims use since about Apr. 14, 1927.

Reg. No. 299,770. Registered Dec. 20, 1932. CHASE & CO., Sanford, Fla., a corporation of Florida. Republished by registrant.

Chaco

FOR INSECTICIDES.
Claims use since Spring of 1927.

Reg. No. 302,850. Registered May 2, 1933. ROBESON PROCESS COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant.

LACTANX

FOR MATERIAL USED AS A TANNING EXTRACT.
Claims use since about Oct. 3, 1932.

Reg. No. 331,026. Registered Dec. 24, 1935. DASCO PRODUCTS CO., INC., New York, N. Y. Republished by D. A. Schulte, Inc., New York, N. Y., a corporation of New York.

DASCO

FOR AFTER SHAVING LOTION, LILAC VEGETAL, ANTISEPTIC MOUTH WASH, HAIR TONIC, BOUQUET TALCUM, ASPIRIN, TOOTH PASTE, AND TOOTH POWDER.
Claims use since Mar. 30, 1932.

Reg. No. 341,205. Registered Dec. 1, 1936. NATIONAL BIO-CHEMICAL CO., Los Angeles, Calif. Republished by Nadin Company, Los Angeles, Calif., a firm.

NADIN

FOR IODINE TABLET FOR INTERNAL USE, ALSO LIQUID AND OTHER IODINE FORMS.
Claims use since June 12, 1936.

Reg. No. 343,540. Registered Feb. 23, 1937. LUCINN LELONG INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

INGENUE

FOR PERFUME.
Claims use since Sept. 18, 1936.

Reg. No. 353,471. Registered Jan. 11, 1938. MCKAY BROTHERS, West Allis, Wis. Republished by McKay Maxlin Company, West Allis, Wis., a firm.

MAXLIN

FOR THERAPEUTIC LINIMENT USED IN THE TREATMENT OF LAMENESS, INJURED TENDONS AND LIGAMENTS IN HORSES.
Claims use since Dec. 15, 1936.

Reg. No. 356,354. Registered Apr. 26, 1938. JOHN L. DENNEY, Fresno, Calif. Republished by registrant.

KAMBA

FOR MEDICAL PREPARATION FOR TREATMENT OF STOMACH ULCERS, INDIGESTION, GAS, KIDNEY, LIVER, AND GALL BLADDER TROUBLE.
Claims use since Jan. 1, 1934.

Reg. No. 430,887. Registered July 1, 1947. OTIS CLAPP & SON, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

OCAS

FOR HAIR DRESSING, SHAMPOO, HAND LOTION, SMELLING SALTS, AFTER-SHAVE LOTION, DENTIFRICE, LAXATIVE, NASAL CREAM, AND DOUCHE POWDER.
Claims use since Jan. 1, 1904.

Reg. No. 434,065. Registered Nov. 4, 1947. FRITZSCHE BROTHERS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SEILLANS

FOR FLORAL EXTRACTIONS, ABSOLUTES, CONCRETES, CONCENTRATES, AND ESSENTIAL OILS USED IN THE MANUFACTURE OF PERFUMES, TOILETRIES, AND COSMETICS.
Claims use since 1931.

Reg. No. 436,933. Registered Mar. 2, 1948. THE HARK COMPANY, Lockhart, Tex., a firm. Republished by registrant.



FOR HEALING OINTMENT OR SALVE FOR THE TREATMENT OF SKIN DISEASES—NAMELY, CHRONIC LICHENIFIED ECZEMATOUS PATCHES, ACUTE INFECTIOUS ECZEMATOID DERMATITIS, ECZEMA, INFANTS' ECZEMA, ERYSIPELAS, STASIS DERMATITIS, ULCERS, PEMPHIGUS, AND LUPUS ERYTHEMATOSUS.
Claims use since Sept. 10, 1946.

Reg. No. 438,645. Registered May 11, 1948. PURITAN DRUG COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Allure

FOR COSMETICS AND TOILET PREPARATIONS—NAMELY, FACE POWDER, CLEANSING CREAM, NIGHT CREAM, EXTRA RICH NIGHT CREAM, DRY SKIN MIXTURE, FACIAL MASQUE, DOUBLE WHIPPED CREAM, ROLLING MASSAGE CREAM, HAND CREAM, ALMOND LOTION, PINE BATH OIL, LIPSTICK, DRY BOUGE, SKIN FRESHENER, SPECIAL ASTRINGENT, LEG MAKE UP, SACHET POWDER, TALCUM POWDER, SKIN TONER, POWDER FOUNDATION, CASTILE SHAMPOO, EAU DE COLOGNE, CREAM DEODORANT, AND BOUQUET PERFUME.
Claims use since December 1914.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 53,968. Registered June 19, 1906. ADOLPH FRANKAU & CO. LTD., London, England. Republished by D. A. Schulte, Inc., New York, N. Y., a corporation of New York.



FOR TOBACCO-PIPES, CIGAR AND CIGARETTE TUBES.
Claims use since 1869.

Reg. No. 161,447. Registered Nov. 14, 1922. DASCO IMPORT CO., INC., New York, N. Y. Republished by D. A. Schulte, Inc., New York, N. Y., a corporation of New York.

Dasco

FOR SMOKING PIPES, CIGAR HOLDERS, CIGARETTE HOLDERS, PIPE CLEANERS, CIGAR AND CIGARETTE CASES, TOBACCO POUCHES, AND ASH TRAYS.
Claims use since Mar. 3, 1922.

Reg. No. 218,141. Registered Sept. 21, 1926. B. B. B. PIPE CO. INC., New York, N. Y. Republished by D. A. Schulte, Inc., New York, N. Y., a corporation of New York.

OWN MAKE

FOR TOBACCO PIPES, CIGAR AND CIGARETTE TUBES AND HOLDERS.
Claims use since January 1900.

Reg. No. 218,159. Registered Sept. 21, 1926. B. B. B. PIPE CO. INC., New York, N. Y. Republished by D. A. Schulte, Inc., New York, N. Y., a corporation of New York.

B BB

FOR TOBACCO PIPES, CIGAR AND CIGARETTE TUBES AND HOLDERS.
Claims use since January 1870.

Reg. No. 268,553. Registered Mar. 18, 1930. COHN & ROSENBERGER, Inc., New York, N. Y. Republished by Coro, Inc., New York, N. Y., a corporation of New York.

DUETTE

FOR FINGER RINGS, NECKLACES, BRACELETS, EARRINGS, AND BROOCHES, AND FOR HATPINS, HAT ORNAMENTS, NECKLACE CLASPS, VANITY CASES, CIGARETTE CASES, MESH BAGS, AND MESH-BAG FRAMES, MADE WHOLLY OR IN PART OF OR PLATED WITH PRECIOUS METAL.
Claims use since Oct. 1, 1929.

CLASS 10
FERTILIZERS

Reg. No. 299,435. Registered Dec. 6, 1932. CHASE & CO., Sanford, Fla., a corporation of Florida. Republished by registrant.

Chaco

FOR FERTILIZERS.
Claims use since Spring of 1924.

Reg. No. 348,803. Registered Aug. 10, 1937. CHASE & COMPANY, Sanford, Fla., a corporation of Florida. Republished by registrant.

GROSO

FOR FERTILIZERS.
Claims use since Apr. 20, 1934.

Reg. No. 437,809. Registered Mar. 30, 1948. J. M. STEVENSON, Garnett, Kans. Republished by registrant.

Garden Magic

The word "Garden" is disclaimed apart from the mark as shown.
FOR SOIL CONDITIONER—NAMELY, PULVERIZED LIMESTONE.
Claims use since on or about Feb. 10, 1946.

CLASS 12
CONSTRUCTION MATERIALS

Reg. No. 75,485. Registered Oct. 5, 1909. ROBESON PROCESS COMPANY, Camden, N. J., Ausable Forks and New York, N. Y., and Covington, Va., a corporation of New Jersey. Republished by registrant, present address New York, N. Y.

GLUTRIN

FOR LIQUID ADHESIVE EMPLOYED AS A BINDING AGENT FOR ROADS AND ROAD SURFACES.
Claims use since about June 15, 1905.

Reg. No. 75,487. Registered Oct. 5, 1909. ROBESON PROCESS COMPANY, Camden, N. J., Ausable Forks and New York, N. Y., and Covington, Va., a corporation of New Jersey. Republished by registrant, present address New York, N. Y.



FOR LIQUID ADHESIVE EMPLOYED AS A BINDER OR BONDING AGENT IN THE MANUFACTURE OF CORES, BLOCKS, BRICKS, BRIQUETS, AND OTHER SHAPES AND MASSES FROM FINELY DIVIDED MINERAL MATTER, SUCH AS SAND, EARTHS, CEMENTS, ORES, AND FUELS, AND AS A BINDING AGENT FOR ROADS AND ROAD SURFACES.
Claims use since about Aug. 15, 1908.

Reg. No. 90,965. Registered Apr. 8, 1913. THE PHILIP CAREY MANUFACTURING COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant, present address Cincinnati, Ohio.

ELASTITE

FOR FILLERS FOR STREET PAVEMENTS, SIDEWALKS, BRIDGES, CEMENT BLOCKS, CONCRETE BLOCKS, GRANITE BLOCKS, STONE BLOCKS, WOOD BLOCKS, AND BRICK, WALLS, DAMS, AND RESERVOIRS.
Claims use since Feb. 15, 1912.

Reg. No. 266,870. Registered Feb. 4, 1930. DRY-ZERO CORPORATION, Chicago, Ill. Republished by American Hair & Felt Company, Chicago, Ill., a corporation of Delaware.

DRY-ZERO

FOR SOUND-DEADENING AND THERMAL INSULATION MATERIAL.
Claims use since Feb. 1, 1925.

CLASS 13
HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 205,854. Registered Nov. 17, 1925. U. S. EXPANSION BOLT CO., New York, N. Y. Republished by U. S. Expansion Bolt Co., York, Pa., a corporation of Pennsylvania.

KORKER

FOR SCREW ANCHORS.
Claims use since June 12, 1925.

Reg. No. 301,583. Registered Mar. 7, 1933. STANDARD PRESSED STEEL COMPANY, Jenkintown, Pa., a corporation of Pennsylvania. Republished by registrant.

UNBRAKO

FOR HOLLOW SET SCREWS, SOCKET HEAD CAP SCREWS, SQUARE HEAD SET SCREWS, SOCKET HEAD SHOULDER SCREWS, STRIPPER BOLTS, AND PIPE PLUGS.
Claims use since about June 1, 1920.

Reg. No. 438,461. Registered Apr. 20, 1948. HARLEY E. HUGGINS, Vancouver, Wash. Republished by registrant.

HUGHANGER

FOR CURTAIN ROD BRACKETS.
Claims use since Apr. 30, 1947.

CLASS 14
METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 243,330. Registered June 19, 1928. FIRTH-STERLING STEEL COMPANY, McKeesport, Pa. Republished by Firth Sterling Steel & Carbide Corporation, McKeesport, Pa., a corporation of Pennsylvania.

CROMOVAN

FOR STEEL BARS OF VARIOUS SHAPES AND SIZES, FORGINGS, BLOCKS, DISCS, AND PIECES OF STEEL.
Claims use since Dec. 15, 1927.

Reg. No. 284,285. Registered June 23, 1931. UNITED CONVEYOR CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DURITE

FOR ROUGH AND SEMIFINISHED IRON ALLOY CASTINGS.
Claims use since Nov. 15, 1930.

Reg. No. 424,355. Registered Oct. 1, 1946. J. M. RAOLE, Kansas City, Mo. Republished by registrant.

COMMANDO

FOR WELDING RODS.
Claims use since Nov. 14, 1944.

CLASS 15

OILS AND GREASES

Reg. No. 37,230. Registered Oct. 22, 1901. STERLING OIL CO., Emlenton, Pa. Republished by Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware.

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QUALITY.

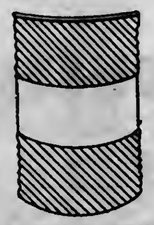
FOR OILS AND GREASES.
Claims use since on or about Aug. 15, 1900.

Reg. No. 50,466. Registered Mar. 20, 1906. FRANK B. HOWER, Buffalo, N. Y. Republished by Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware.

DUPLEX

FOR LUBRICATING OILS AND GREASE.
Claims use since June 1884.

Reg. No. 279,157. Registered Jan. 8, 1931. QUAKER STATE OIL REFINING CO., Oil City, Pa. Republished by Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware.



The lining is for green, the unlined portion is white. No claim is made to the representation of the container.
FOR LUBRICATING OILS.
Claims use since Sept. 1, 1926.

Reg. No. 295,893. Registered July 19, 1932. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla., a corporation of Delaware. Republished by registrant.

SUPERFUEL

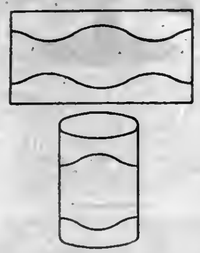
The mark consists of the notation "Superfuel," no claim being made to the exclusive use of the word "Fuel" apart from the word "Super."
FOR MOTOR FUEL OILS.
Claims use since Oct. 17, 1931.

Reg. No. 305,468. Registered Aug. 15, 1933. QUAKER STATE OIL REFINING CO., Oil City, Pa. Republished by Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware.

QUADROLUBE

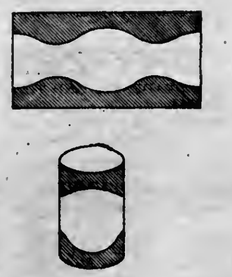
FOR LUBRICATING OILS AND GREASES.
Claims use since Mar. 23, 1933.

Reg. No. 312,645. Registered May 1, 1934. QUAKER STATE OIL REFINING CO., INC., Oil City, Pa. Republished by Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware.



No claim is made to the representation of the container of the goods.
FOR LUBRICATING OILS AND GREASES.
Claims use since May 12, 1933.

Reg. No. 316,281. Registered Aug. 21, 1934. QUAKER STATE OIL REFINING CO. INC., Oil City, Pa. Republished by Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware.



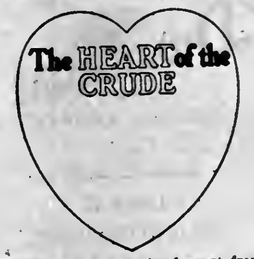
The trade-mark consists of an irregular shaped white band placed around a green can so that there is a bulged section of white on each side of the can. The representation of the container is disclaimed.
FOR LUBRICATING OILS AND GREASES.
Claims use since May 12, 1933.

Reg. No. 317,301. Registered Sept. 18, 1934. KATZ DRUG COMPANY, Kansas City, Mo., a corporation of Delaware. Republished by registrant.



The word "Certified" is disclaimed apart from the mark as shown.
FOR MOTOR LUBRICATING OIL AND GUN GREASE.
Claims use since on or about Apr. 1, 1931.

Reg. No. 331,286. Registered Dec. 31, 1935. ENTERPRISE OIL COMPANY, INC., Buffalo, N. Y. Republished by Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware.



The word "Crude" is disclaimed apart from the mark as shown.
FOR LUBRICATING OILS.
Claims use since Mar. 5, 1928.

Reg. No. 331,828. Registered Jan. 21, 1936. THE LUBRIZOL CORPORATION, Wickliffe, Ohio. Republished by The Lubrizol Corporation, Wickliffe, Ohio, a corporation of Ohio.

SOLVENIZED

FOR HYDROCARBON FUELS SUCH AS GASOLINE AND CHEMICALLY TREATED LUBRICATING COMPOSITIONS SUCH AS LUBRICATING OIL AND GREASE.
Claims use since Mar. 22, 1935.

Reg. No. 333,757. Registered Apr. 7, 1936. THE LUBRIZOL CORPORATION, Wickliffe, Ohio. Republished by The Lubrizol Corporation, Wickliffe, Ohio, a corporation of Ohio.

Chases Carbon

FOR HYDROCARBON FUELS—NAMELY, GASOLINE: AND CHEMICALLY TREATED LUBRICATING COMPOSITIONS—NAMELY, LUBRICATING OIL AND GREASE.
Claims use since Apr. 24, 1935.

Reg. No. 336,158. Registered June 30, 1936. QUAKER STATE OIL REFINING COMPANY, Oil City, Pa. Republished by Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware.

QUAKER STATE

FOR LUBRICATING OILS AND GREASES, FUEL AND ILLUMINATING OILS, ROAD OILS, BLENDED AND STRAIGHT REFINED GASOLENE AND WAX—NAMELY, PARAFFIN REFINED FROM PARAFFIN CRUDE PETROLEUM.
Claims use since May 12, 1933.

Reg. No. 336,159. Registered June 30, 1936. QUAKER STATE OIL REFINING COMPANY, Oil City, Pa. Republished by Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware.

QUAKER STATE

FOR LUBRICATING OILS AND GREASES, FUEL AND ILLUMINATING OILS, ROAD OILS, BLENDED AND STRAIGHT REFINED GASOLENE AND WAX—NAMELY, PARAFFIN REFINED FROM PARAFFIN CRUDE PETROLEUM.
Claims use since 1914.

Reg. No. 385,309. Registered Feb. 25, 1941. HIRAM MYERS, doing business as Redex Manufacturing Company, Woodside, Long Island, N. Y. Republished by Redex, Incorporated, Brooklyn, N. Y., a corporation of New York.

REDEX

FOR LUBRICATING OIL.
Claims use since Feb. 14, 1934.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 158,645. Registered Sept. 12, 1922. THE DAMPNEY COMPANY OF AMERICA, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

NUMBER 3

FOR PROTECTIVE PAINT COATINGS.
Claims use since January 1916.

Reg. No. 210,432. Registered Mar. 16, 1926. RED SPOT PAINT & VARNISH COMPANY, INCORPORATED, Evansville, Ind., a corporation of Indiana. Republished by registrant.



FOR PAINT ENAMELS; DRY, PASTE, AND READY-MIXED PAINTS; AND FINISHING MATERIALS—NAMELY, PAINTS, ENAMELS, AND VARNISHES FOR ALL KINDS OF FINISHING PURPOSES.
Claims use since Mar. 12, 1914.

Reg. No. 216,030. Registered Aug. 3, 1926. THE DAMPNEY COMPANY OF AMERICA, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

NUMBER 1

FOR PROTECTIVE COATINGS FOR THE INSIDE OF BOILER DRUMS AND BOILER AND ECONOMIZER TUBES, ETC.
Claims use since Oct. 10, 1923.

Reg. No. 221,225. Registered Nov. 23, 1926. RED SPOT PAINT & VARNISH CO., INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

BRIL-LITE

FOR LIQUID PAINT.
Claims use since Jan. 14, 1923.

Reg. No. 221,228. Registered Nov. 23, 1926. RED SPOT PAINT & VARNISH CO., INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

GOTHIC

FOR LIQUID AND PASTE POLISHES AND WAXES FOR FLOORS, FURNITURE, WOODWORK, AND AUTOMOBILES, AND POWDERED DANCE-FLOOR WAX.
Claims use since Sept. 24, 1914.

Reg. No. 246,538. Registered Sept. 11, 1928. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo., a corporation of Missouri. Republished by registrant.

HILLYARD'S

FOR FLOOR POLISH AND FLOOR DRESSING.
Claims use since Oct. 1, 1927.

Reg. No. 248,521. Registered Oct. 23, 1928. BERRY BROTHERS, INCORPORATED, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Berrycraft

FOR VARNISH, STAIN, COMBINATION OF VARNISH AND STAIN, AND PAINT ENAMEL.
Claims use since on or about Oct. 1, 1912.

Reg. No. 248,522. Registered Oct. 23, 1928. BERRY BROTHERS, INCORPORATED, Detroit, Mich., a corporation of Michigan. Republished by registrant.

BERRYLOID

FOR LACQUERS, REDUCERS, READY-MIXED PAINT, AND PRIMERS.
Claims use since on or about Aug. 1, 1924.

Reg. No. 344,751. Registered Apr. 6, 1937. CON-FERRO PAINT & VARNISH COMPANY, St. Louis, Mo. Republished by F. W. Woolworth Co., New York, N. Y., a corporation of New York.

Duralustre

FOR PAINT ENAMELS, VARNISHES, AND VARNISH STAINS.
Claims use since Dec. 17, 1935.

CLASS 17
TOBACCO PRODUCTS

Reg. No. 67,773. Registered Feb. 18, 1908. WILLIAM ROBERT ALLEN, Manchester, England. Republished by John Sinclair, Limited, Newcastle-On-Tyne, England, a corporation of Great Britain.

THE CHAIRMAN

FOR CIGARETTES, CIGARS, SMOKING TOBACCO, AND CHEWING TOBACCO.
Claims use since June 30, 1897.

Reg. No. 109,022. Registered Mar. 14, 1916. MI FAVORITA CIGAR CO., INC., New York, N. Y., and Key West, Fla. Republished by D. A. Schulte, Inc., New York, N. Y., a corporation of New York.



FOR CIGARS AND LITTLE CIGARS.
Claims use since before February 1884.

Reg. No. 158,812. Registered Sept. 12, 1922. JOHN SINCLAIR LIMITED, Newcastle-on-Tyne, England, a corporation of Great Britain. Republished by registrant.

JOHN SINCLAIR'S RUBICON

The words "Trade Mark" are disclaimed apart from the mark as shown.
FOR SMOKING TOBACCO.
Claims use since July 8, 1898.

Reg. No. 332,498. Registered Feb. 18, 1936. WEBSTER EISENLOHR, INC., New York, N. Y. Republished by D. A. Schulte, Inc., New York, N. Y., a corporation of New York.



FOR CIGARS.
Claims use since on or about Jan. 5, 1929.

Reg. No. 341,943. Registered Dec. 29, 1936. THE BBB COMPANY, LIMITED, New York, N. Y., assignor to William Demuth & Company. Republished by D. A. Schulte, Inc., New York, N. Y., a corporation of New York.



No claim is made to the representation of the label per se nor to any of the wording which appears on the drawing with the exception of the three "B's," "Old Guards," and the name of the corporation, namely, "The BBB Company, Ltd., apart from the mark as shown.
FOR SMOKING TOBACCO.
Claims use since July 1, 1935.

CLASS 19
VEHICLES

Reg. No. 249,591. Registered Nov. 20, 1928. JOHN WARREN WATSON COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

RUBBER FLOW

FOR FRICTION BRAKING MECHANISMS AND PARTS, RECOIL CHECKS, SHOCK-ABSORBING MECHANISMS, AND THE LIKE FOR VEHICLES.
Claims use since June 4, 1928.

Reg. No. 348,582. Registered Aug. 3, 1937. THE GEORGE WORTHINGTON COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TRAIL BLAZER

FOR BICYCLES AND BICYCLE FRAMES, FORKS, HANDLE BARS, GRIPS, SADDLES, CRANKS, PEDALS, WHEELS, SPOKES, RIMS, AND HUBS.
Claims use since July 22, 1936.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 313,293. Registered May 22, 1934. SPRAGUE SPECIALTIES CO., North Adams, Mass. Republished by Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts.

SPRAGUE

FOR ELECTRICAL CONDENSERS.
Claims use since 1925.

Reg. No. 365,238. Registered Feb. 28, 1939. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

KOOLOHM

FOR ELECTRICAL RESISTORS.
Claims use since Aug. 22, 1938.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 136,615. Registered Nov. 2, 1920. CHARLES SCHINDLER, Toledo, Ohio. Republished by Schindler Stamping & Toy Co., Toledo, Ohio, a corporation of Ohio.

CUM-BAC

FOR ROLLING TOY OF CYLINDRICAL FORM.
Claims use since March 1909.

Reg. No. 162,060. Registered Dec. 5, 1922. DES MOINES GLOVE & MFG. COMPANY, INC., Des Moines, Iowa, a corporation of Iowa. Republished by registrant.



The word "Gloves" is disclaimed apart from the mark as shown.
FOR LEATHER GLOVES; LEATHER, KID, LAMB, AND CAPE DRESS GLOVES, LEATHER WORK GLOVES, AND BASEBALL MITTS.
Claims use since March 1918.

Reg. No. 408,918. Registered Sept. 5, 1944. BINKY BABY PRODUCTS COMPANY, New York, N. Y., a partnership. Republished by registrant.

Binkytoy

FOR TOY ANIMALS, TOY WAGONS, TOY ARMY TANKS, TOY CARTS, TOY AUTOMOBILES, TOY AIRPLANES, MOUNTING ANIMAL FIGURES—NAMELY, ELEPHANTS, HORSES, AND DOGS; FLOATING TOYS—NAMELY, TOY BOATS AND TOY BALLOONS; TEETHING TOYS—NAMELY, RATTLES AND DOLLS; TOY RATTLES, DOLLS, STUFFED ANIMAL TOYS.
Claims use since January 1939.

Reg. No. 438,596. Registered May 4, 1948. NORWICH LINE COMPANY, INC., Norwich, N. Y., a corporation of New York. Republished by registrant.



The circular outline is disclaimed apart from the mark as shown.
FOR FLY CASTING FISHING LINES.
Claims use since Mar. 25, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 176,653. Registered Nov. 27, 1923. HARTWELL BROTHERS, Memphis, Tenn., a corporation of Illinois. Republished by registrant.

JEWEL

FOR AX, ADZ, PICK, SLEDGE, MAUL, HAMMER, AND HATCHET; AND RAILROAD AND MINING TOOL HANDLES.
Claims use since July 1, 1904.

Reg. No. 176,655. Registered Nov. 27, 1923. HARTWELL BROTHERS, Memphis, Tenn., a corporation of Illinois. Republished by registrant.

BUCKEYE

FOR AX, ADZ, PICK, SLEDGE, MAUL, HAMMER AND HATCHET, AND RAILROAD AND MINING TOOL HANDLES.
Claims use since July 1, 1904.

Reg. No. 176,657. Registered Nov. 27, 1923. HARTWELL BROTHERS, Memphis, Tenn., a corporation of Illinois. Republished by registrant.

OLD HICKORY

FOR AX, ADZ, PICK, SLEDGE, MAUL, HAMMER AND HATCHET, AND RAILROAD AND MINING TOOL HANDLES.
Claims use since July 1, 1904.

Reg. No. 176,663. Registered Nov. 27, 1923. HARTWELL BROTHERS, Memphis, Tenn., a corporation of Illinois. Republished by registrant.

GEM

FOR AX, ADZE, PICK, SLEDGE, MAUL, HAMMER AND HATCHET, AND RAILROAD AND MINING TOOL HANDLES.
Claims use since July 1, 1904.

Reg. No. 176,675. Registered Nov. 27, 1923. HARTWELL BROTHERS, Memphis, Tenn., a corporation of Illinois. Republished by registrant.

HARTWELL

FOR AX, ADZ, PICK, SLEDGE, MAUL, HAMMER AND HATCHET, AND RAILROAD AND MINING TOOL HANDLES.
Claims use since January 1865.

Reg. No. 176,676. Registered Nov. 27, 1923. HARTWELL BROTHERS, Memphis, Tenn., a corporation of Illinois. Republished by registrant.

•THE CHIEFTAIN•

FOR AX, ADZ, PICK, SLEDGE, MAUL, HAMMER AND HATCHET, AND RAILROAD AND MINING TOOL HANDLES.
Claims use since July 1, 1904.

Reg. No. 176,677. Registered Nov. 27, 1923. HARTWELL BROTHERS, Memphis, Tenn., a corporation of Illinois. Republished by registrant.

• NABOB •

FOR AX, ADZ, PICK, SLEDGE, MAUL, HAMMER AND HATCHET, AND RAILROAD AND MINING TOOL HANDLES.
Claims use since July 1, 1904.

Reg. No. 176,678. Registered Nov. 27, 1923. HARTWELL BROTHERS, Memphis, Tenn., a corporation of Illinois. Republished by registrant.

HONEST ABE

FOR AX, ADZ, PICK, SLEDGE, MAUL, HAMMER AND HATCHET, AND RAILROAD AND MINING TOOL HANDLES.
Claims use since July 1, 1904.

Reg. No. 179,647. Registered Feb. 12, 1924. HARTWELL BROTHERS, Memphis, Tenn., a corporation of Illinois. Republished by registrant.

•AXEMAN'S PRIDE•

FOR AX, ADZ, PICK, SLEDGE, MAUL, HAMMER AND HATCHET, AND RAILROAD AND MINING TOOL HANDLES.
Claims use since July 1, 1904.

Reg. No. 183,848. Registered May 6, 1924. HARTWELL BROTHERS, Memphis, Tenn., a corporation of Illinois. Republished by registrant.



The words "Genuine Hickory" are disclaimed apart from the mark as shown.
FOR AX, ADZ, PICK, SLEDGE, MAUL, HAMMER AND HATCHET, AND RAILROAD AND MINING TOOL HANDLES.
Claims use since Sept. 1, 1923.

Reg. No. 212,682. Registered May 11, 1926. AMERICAN GRINDER MANUFACTURING CO., Milwaukee, Wis. Republished by Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin.



FOR TOOLS—NAMELY, WRENCHES, POWER GRINDERS, AND SICKLE ATTACHMENTS.
Claims use since May 6, 1924.

Reg. No. 240,278. Registered Mar. 20, 1928. HARTWELL BROTHERS, Memphis, Tenn., a corporation of Illinois. Republished by registrant.



FOR AXE HEADS.
Claims use since Mar. 2, 1927.

Reg. No. 240,683. Registered Apr. 3, 1928. HARTWELL BROTHERS, Hollywood, Memphis, Tenn., Chicago Heights, Ill., and New York, N. Y., a corporation of Illinois. Republished by registrant, present address Memphis, Tenn.

RED ★ STAR

FOR BRAKEMAN'S CLUBS, RAMMER RODS, AND HANDLES FOR AXES, HATCHETS, ADZES, PICKS, GRUBBING HOES, HAMMERS, SLEDGES, TAMPERS, HEDGE KNIVES, SLASHERS, BUSH HOOKS, PICKAROONS, CHISELS, CANT HOOKS, PEAVEYS, AND LUG HOOKS.
Claims use since 1904.

Reg. No. 242,771. Registered June 5, 1928. CADILLAC STAMP COMPANY, INC., Detroit, Mich., a corporation of Michigan. Republished by registrant.



The words "Service" and "Cadillac" are disclaimed apart from the mark as shown.
FOR SPECIAL STEEL STAMPS, EMBOSSING AND MARKING DIES, POWER AND HAND MARKING MACHINES.
Claims use since early in 1922.

Reg. No. 248,051. Registered Oct. 16, 1928. JEAN JORDEAU, INC., South Orange, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant, present address South Orange, N. J.

ZIP

FOR RAZORS.
Claims use since Jan. 15, 1912.

Reg. No. 309,040. Registered Dec. 26, 1933. HARTWELL BROTHERS, Memphis, Tenn., a corporation of Illinois. Republished by registrant.

CAVALIER

FOR HANDLES FOR TOOLS.
Claims use since July 1, 1933.

Reg. No. 309,041. Registered Dec. 26, 1933. HARTWELL BROTHERS, Memphis, Tenn., a corporation of Illinois. Republished by registrant.

CRUSADER

FOR HANDLES FOR TOOLS.
Claims use since July 1, 1933.

Reg. No. 328,150. Registered Sept. 17, 1935. KATZ DRUG COMPANY, Kansas City, Mo., a corporation of Delaware. Republished by registrant.

Katz

The word "Katz" is disclaimed apart from the mark as shown.
FOR RAZORS AND RAZOR BLADES.
Claims use since Nov. 2, 1933.

Reg. No. 351,349. Registered Oct. 26, 1937. NATIONAL AUTOMOTIVE PARTS ASSOCIATION, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Allied

FOR PISTONS, PISTON PINS, PISTON PIN BUSHINGS, MOTOR BEARINGS, VALVES, VALVE GUIDES, TIMING GEARS, TIMING CHAINS, CYLINDER HEADS, MANIFOLDS, WATER PUMPS, AND FUEL PUMPS.
Claims use since Jan. 10, 1937.

Reg. No. 394,436. Registered Apr. 7, 1942. UNIVERSAL CRUSHER COMPANY, Cedar Rapids, Iowa. Republished by Universal Engineering Corporation, Cedar Rapids, Iowa, a corporation of Iowa.

PACEMAKER

FOR DEVICE FOR CRUSHING, SCREENING, LOADING, AND HANDLING ROCK AND SIMILAR MATERIALS, PLANTS COMPRISING ASSEMBLIES OF SUCH DEVICES, AND PARTS THEREOF.
Claims use since Nov. 8, 1939.

Reg. No. 396,777. Registered Aug. 4, 1942. THE DENISON ENGINEERING COMPANY, Columbus, Ohio, a corporation of Ohio. Republished by registrant.

HydrOilers

The word "Oil" is disclaimed apart from the mark as shown.
FOR HYDRAULIC PUMPS, HYDRAULIC PRESSES, HYDRAULIC KILN CAR PROPELLERS, AUTOMATIC BAR MACHINES, STRAIGHTENING PRESSES, HORIZONTAL PRESSES, BENCH PRESSES, HYDRAULIC PRESSES WITH ROTARY INDEXING TABLES, BRIQUETTING PRESSES, HYDRAULIC MACHINES FOR STRAIGHTENING CENTERS, BAND-TYPE PRESSES, HYDRAULIC TILTING GEARS FOR CRUCIBLES AND FURNACES, HYDRAULIC ELEVATORS, DECKLING MACHINES FOR PHOTOGRAPHIC MOUNTING CARDS, POWER TRANSMISSION DEVICE FOR ROTARY CIRCULAR KILNS, HYDRAULIC BILLET PUSHERS, HYDRAULIC CLAY EXTRUSION APPARATUS, HYDRAULIC JACKS, HYDRAULIC CYLINDERS, PISTONS AND RAMS, ASSEMBLING PRESSES, VERTICAL OPEN SIDE PRESSES, VARIABLE VOLUME HYDRAULIC PUMPS, CONSTANT PRESSURE PUMPS, HYDRAULIC POWER UNITS, COMBINATION HYDRAULIC AND PNEUMATIC VALVES, BALANCED PISTON TYPE VALVES, HYDRAULIC OPERATING MECHANISMS FOR ELECTRICAL CONTROL PANELS.
Claims use since Aug. 1, 1941.

Reg. No. 437,419. Registered Mar. 23, 1948. LA-DEL CONVEYOR & MANUFACTURING COMPANY, New Philadelphia, Ohio, now by merger Joy Manufacturing Company. Republished by Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania.

LA-DEL

FOR UNDERGROUND MINING CONVEYORS OF ALL TYPES—NAMELY, SHAKER CONVEYORS, BELT CONVEYORS, CHAIN CONVEYORS; DRIVING MECHANISMS COMPRISING, GENERALLY, A BASE, MOTOR, GEARING AND DRIVING CONNECTIONS FOR ACTUATING SAID CONVEYORS; ELEVATORS, COMPRISING A SUITABLE SECTION OF CONVEYOR AND A DRIVING MECHANISM, SET IN AN ELEVATING FRAME; PIT CAR LOADERS AND LOADING MACHINES, EACH COMPRISED OF A UNIT OF CONVEYOR SECTION SET IN A FRAME, SUITABLY POWERED, AND THE UNIT BEING MOUNTED FOR OPERATION; AND SUPPLY TRUCKS FOR OPERATION IN THE CONVEYOR CHUTES.
Claims use since on or about June 1, 1932.

Reg. No. 438,478. Registered Apr. 20, 1948. BASIC FOODS SALES CORP., New York, N. Y., a corporation of New York. Republished by registrant.



FOR ICING MACHINES USED IN CONNECTION WITH BAKERY PRODUCTS, I. E., TO APPLY ICING TO CAKES AND COOKIES.
Claims use since May 16, 1947.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 374,109. Registered Jan. 2, 1940. THE BARTON CORPORATION, West Bend, Wis., a corporation of Wisconsin. Republished by registrant.

CONTROLA

SPEED

The word "Speed" is disclaimed apart from the mark as shown.
FOR LAUNDRY WASHING MACHINES.
Claims use since on or about Mar. 3, 1939.

Reg. No. 349,695. Registered Aug. 31, 1937. THE GEORGE WORTHINGTON COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TRAIL BLAZER

FOR VERNIER CALIPERS, VERNIER HEIGHT GAUGES, VERNIER DEPTH GAUGES, MICROMETERS, ENGINEERS' TAPER GAUGES, ENGINEERS' WIRE GAUGES, AND ENGINEERS' THICKNESS GAUGES, STEEL RULES, AND CENTER GAUGES.
Claims use since Sept. 1, 1936.

Reg. No. 375,397. Registered Feb. 20, 1940. IRON FIREMAN MANUFACTURING COMPANY, Portland, Oreg., a corporation of Oregon. Republished by registrant.

IRON FIREMAN

FOR THERMOSTATICALLY-CONTROLLED ELECTRIC SWITCHES ESPECIALLY ADAPTED FOR CONTROLLING HEAT-GENERATING DEVICES SUCH AS OIL, GAS, AND SOLID-FUEL FURNACES.
Claims use since July 27, 1926.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 268,553. Registered Mar. 18, 1930. COHN & ROSENBERGER, INC., New York, N. Y. Republished by Coro, Inc., New York, N. Y., a corporation of New York.

DUETTE

FOR FINGER RINGS, NECKLACES, BRACELETS, EARRINGS, AND BROOCHES, AND FOR HATPINS, HAT ORNAMENTS, NECKLACE CLASPS, VANITY CASES, CIGARETTE CASES, MESH BAGS, AND MESH-BAG FRAMES, MADE WHOLLY OR IN PART OF OR PLATED WITH PRECIOUS METAL.
Claims use since Oct. 1, 1929.

CLASS 33

GLASSWARE

Reg. No. 231,759. Registered Aug. 23, 1927. Obear-Nester Glass Co., St. Louis, Mo., a corporation of Missouri. Republished by registrant, present address East St. Louis, Ill.

Rex

FOR PRESCRIPTION BOTTLES MADE OF GLASS.
Claims use since Jan. 2, 1896.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 195,811. Registered Mar. 3, 1925. Portland Wire & Iron Works, Portland, Oreg. Republished by Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon.



FOR AUTOMATIC COAL BURNERS.
Claims use since July 1923.

Reg. No. 268,300. Registered Mar. 11, 1930. Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon. Republished by registrant.



The parallel vertical lines on the drawing forming the background represent the color red.
FOR AUTOMATIC COAL BURNERS.
Claims use since June 16, 1926.

Reg. No. 275,093. Registered Sept. 16, 1930. Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon. Republished by registrant.

De Luxe

FOR AUTOMATIC COAL BURNERS NOT INCLUDING ELECTRICAL APPARATUS.
Claims use since May 13, 1929.

Reg. No. 277,425. Registered Nov. 11, 1930. Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon. Republished by registrant.

The Iron Man

FOR AUTOMATIC COAL BURNERS.
Claims use since May 2, 1930.

Reg. No. 290,844. Registered Jan. 19, 1932. Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon. Republished by registrant.



FOR AUTOMATIC COAL BURNERS.
Claims use since May 27, 1931.

Reg. No. 297,251. Registered Sept. 6, 1932. Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon. Republished by registrant.

Junior

FOR AUTOMATIC COAL BURNERS.
Claims use since Feb. 28, 1927.

Reg. No. 325,237. Registered June 18, 1935. Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon. Republished by registrant.

POWERAM

FOR AUTOMATIC COAL BURNERS.
Claims use since Dec. 28, 1934.

Reg. No. 346,069. Registered May 18, 1937. Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon. Republished by registrant.

COAL FLOW

FOR AUTOMATIC COAL BURNERS.
Claims use since Jan. 10, 1936.

Reg. No. 349,342. Registered Aug. 24, 1937. Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon. Republished by registrant.

IF

FOR AUTOMATIC COAL BURNERS.
Claims use since Mar. 10, 1937.

Reg. No. 381,423. Registered Sept. 24, 1940. Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon. Republished by registrant.

AIR-ACE

FOR COAL AND OIL BURNING FURNACES, AIR CONDITIONERS, SUMMER COOLING AND CIRCULATING FANS.
Claims use since July 20, 1937.

Reg. No. 388,544. Registered July 1, 1941. The Coleman Lamp and Stove Company, Wichita, Kans. Republished by The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas.



The words "Super Performance" are disclaimed apart from the mark as shown.
FOR FLUID BURNING GRAVITY FLOOR FURNACES FOR HOUSE HEATING.
Claims use since on or about Aug. 13, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 338,043. Registered Aug. 25, 1936. Willhelm Lubrication Company, St. Paul, Minn. Republished by Mutual Dealers Wholesale Inc., St. Paul, Minn., a corporation of Minnesota.

Worthmore

FOR CANVAS AND RUBBER BELTS AND BELTING.
Claims use since October 1934.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 81,021. Registered Feb. 21, 1911. National Musical String Co., New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

BELL BRAND

FOR STRINGS FOR MUSICAL INSTRUMENTS.
Claims use since Apr. 21, 1899.

Reg. No. 88,511. Registered Sept. 24, 1912. National Musical String Co., New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

Black Diamond

FOR STRINGS FOR MUSICAL INSTRUMENTS.
Claims use since November 1895.

Reg. No. 248,799. Registered Oct. 30, 1928. The Fred. Gretsch Mfg. Co., New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

H. FIEHN

FOR OCARINAS.
Claims use since about June 6, 1876.

Reg. No. 370,781. Registered Sept. 5, 1939. National Musical String Co., New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

NATIONAL

FOR STRINGS FOR MUSICAL INSTRUMENTS.
Claims use since May 1928.

CLASS 37

PAPER AND STATIONERY

Reg. No. 291,790. Registered Feb. 23, 1932. The Menasha Products Company, Menasha, Wis. Republished by Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin.



The word "Menasha" is disclaimed apart from the mark as shown.
FOR WAXED AND UNWAXED PAPER, PAPER TABLECLOTHS, PAPER NAPKINS, AND PAPER DOILIES.
Claims use since January 1929.

Reg. No. 408,609. Registered Aug. 22, 1944. TRIMZ COMPANY, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant.

TRIMZ

FOR DECORATIVE PAPER SPECIALTIES—SPECIFICALLY, TABLE MATS, DOILIES, WALLPAPER, AND PAPER BORDERS.
Claims use since Oct. 1, 1940.

Reg. No. 433,199. Registered Apr. 13, 1948. F. W. WOOLWORTH Co., New York, N. Y., a corporation of New York. Republished by registrant.

BIRCH BROOK

FOR WRITING AND PRINTING PAPER AND CORRESPONDENCE ENVELOPES.
Claims use since Apr. 22, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 195,219. Registered Feb. 17, 1925. THE CORPORATION TRUST COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

THE CORPORATION JOURNAL

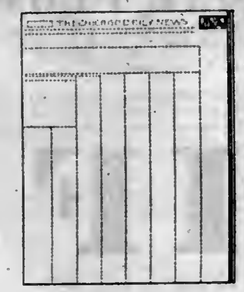
FOR MONTHLY PUBLICATION EXCEPT DURING THE MONTHS OF JULY, AUGUST, AND SEPTEMBER, AND BEING A PUBLICATION IN THE INTERESTS OF CORPORATIONS.
Claims use since October 1908.

Reg. No. 195,252. Registered Feb. 17, 1925. JOHN MORRELL & Co., Ottumwa, Iowa, a corporation of Maine. Republished by registrant.

The Morrell Magazine

FOR MONTHLY MAGAZINE.
Claims use since Aug. 2, 1924.

Reg. No. 248,551. Registered Oct. 23, 1928. THE CHICAGO DAILY NEWS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "The Chicago Daily News" and the diagrammatic representation in the drawing of a newspaper page are disclaimed apart from the mark as shown. The drawing is lined to indicate blue color.
FOR NEWSPAPERS, INCLUDING FOREIGN AND DOMESTIC NEWS ITEMS, CARTOONS, COMIC STRIPS, CONTRIBUTIONS, ARTICLES ON RADIO, ON INVESTMENTS, ON SPORTS, ON BRIDGE LESSONS, BOOK REVIEWS, SHORT STORIES, SERIAL STORIES, AND ILLUSTRATIONS FOR THE FOREGOING.
Claims use since Apr. 16, 1927.

Reg. No. 294,606. Registered June 7, 1932. REAL DETECTIVE TALES, INC., Chicago, Ill. Republished by Sensation Magazine, Inc., New York, N. Y., a corporation of New York.

REAL DETECTIVE

FOR MONTHLY FICTION AND NEWS DETECTIVE STORY MAGAZINE.
Claims use since May 1931.

Reg. No. 352,790. Registered Dec. 14, 1937. NATIONAL AUTOMOTIVE PARTS ASSOCIATION, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Allied

FOR PUBLICATIONS ISSUED INTERMITTENTLY—NAMELY, CATALOGS, BOOKLETS, FOLDERS, AND PAMPHLETS RELATING TO AND DESCRIBING AUTOMOTIVE MACHINERY, PARTS, AND ACCESSORIES.
Claims use since Jan. 10, 1937.

Reg. No. 386,287. Registered Apr. 1, 1941. FAWCETT PUBLICATIONS, INC., Greenwich, Conn., a corporation of Delaware. Republished by registrant.

HOW TO BUILD IT

FOR PUBLICATION APPEARING ANNUALLY OR IN APPROXIMATELY ANNUAL PERIODS.
Claims use since May 15, 1935.

Reg. No. 388,555. Registered July 1, 1941. FAWCETT PUBLICATIONS, INC., Greenwich, Conn., a corporation of Delaware. Republished by registrant.

HANDY MAN'S HOME MANUAL

The words "Home Manual" are disclaimed apart from the mark as shown.
FOR PUBLICATION APPEARING ANNUALLY OR IN APPROXIMATELY ANNUAL PERIODS.
Claims use since Jan. 3, 1933.

Reg. No. 390,644. Registered Sept. 30, 1941. FAWCETT PUBLICATIONS, INC., Greenwich, Conn., a corporation of Delaware. Republished by registrant.

MASTER COMICS

The word "Comics" is disclaimed apart from the mark as shown.
FOR MONTHLY PERIODICAL.
Claims use since Feb. 14, 1940.

Reg. No. 402,167. Registered July 6, 1943. FAWCETT PUBLICATIONS, INC., Greenwich, Conn., a corporation of Delaware. Republished by registrant.

Captain Marvel ADVENTURES

FOR PERIODICAL ISSUED EVERY FOUR WEEKS.
Claims use since June 14, 1940.

Reg. No. 403,457. Registered Sept. 28, 1943. FAWCETT PUBLICATIONS, INC., Greenwich, Conn., a corporation of Delaware. Republished by registrant.

Captain Marvel

FOR COMIC STRIP AND A MAGAZINE, OR PUBLICATION.
Claims use since Dec. 8, 1939.

Reg. No. 403,487. Registered Sept. 28, 1943. GEORGE WENDELL ADAMS, CHARLES E. HEITMAN, NELVIA E. RITCHIE, W. STUART BOOTH, FRANCIS LYSTER JANDRON, AND JOSIAH E. FARNALD, trustees under the will of Mary Baker G. Eddy, deceased, Boston, Mass. Republished by Josiah E. Fernald, George Wendell Adams, Clayton Bion Craig, Lucy Ivimy Gwalter, Francis Lyster Jandron, and Alfred Pittman, trustees under the will of Mary Baker G. Eddy, deceased, Boston, Mass.

Mary Baker Eddy

FOR PRINTED BOOKS AND PUBLICATIONS PUBLISHED PERIODICALLY.
Claims use since Dec. 28, 1942.

Reg. No. 433,002. Registered Sept. 23, 1947. IRON FIREMAN MANUFACTURING COMPANY, Portland, Oreg., a corporation of Oregon. Republished by registrant.

Iron Man

FOR HOUSE ORGAN.
Claims use since July 1, 1942.

CLASS 39

CLOTHING

Reg. No. 140,563. Registered Mar. 22, 1921. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y., a corporation of Illinois. Republished by registrant, present address Kewanee, Ill.

BOSS Walloper

FOR FABRIC GLOVES AND MITTENS.
Claims use since Dec. 3, 1919.

Reg. No. 162,060. Registered Dec. 5, 1922. DES MOINES GLOVE & MFG. COMPANY, INC., Des Moines, Iowa, a corporation of Iowa. Republished by registrant.



The word "Gloves" is disclaimed apart from the mark as shown.

FOR LEATHER GLOVES; LEATHER, KID, LAMB, AND CAPE DRESS GLOVES, LEATHER WORK GLOVES, AND BASEBALL MITTS.

Claims use since March 1918.

Reg. No. 194,129. Registered Jan. 13, 1925. BRAUER BROS. SHOE COMPANY, St. Louis, Mo. Republished by Brauer Bros. Shoe Company (1941), St. Louis, Mo., a corporation of Missouri.



The word "Shoes" is disclaimed apart from the mark as shown.

FOR WOMEN'S SHOES OF LEATHER AND CLOTH AND LEATHER.

Claims use since Nov. 23, 1923.

Reg. No. 238,044. Registered Jan. 24, 1928. THE ROYAL TAILORS, Chicago, Ill. Republished by Chicago Kahn Bros., Chicago, Ill., a corporation of Kentucky.



FOR BOYS', YOUTHS', AND MEN'S, SUITS, COATS, VESTS, PANTS, AND OVERCOATS.

Claims use since Nov. 19, 1913.

Reg. No. 248,139. Registered Oct. 16, 1928. J. SCHOENMAN, INCORPORATED, Baltimore, Md., a corporation of Maryland. Republished by registrant.

ELKRIDGE

FOR COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOP COATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS.

Claims use since Apr. 10, 1927.

Reg. No. 252,985. Registered Feb. 19, 1929. THE BUCKEYE OVERALL COMPANY, Versailles, Coldwater, and Greenville, Ohio, a corporation of Ohio. Republished by registrant, present address Versailles, Ohio.

SKY-PILOT

FOR OVERALLS, COVERALLS; DRESS, NEGLIGEE, AND WORK SHIRTS; COATS FOR MEN, YOUTHS, AND BOYS; VESTS, PANTS; FROCKS FOR WOMEN, MISSES, AND CHILDREN; SMOCKS, WORK APRONS, PLAYSUITS, AND BASEBALL SUITS.

Claims use since July 30, 1928.

Reg. No. 253,661. Registered Mar. 5, 1929. THE BUCKEYE OVERALL COMPANY, Versailles, Coldwater, and Greenville, Ohio, a corporation of Ohio. Republished by registrant, present address Versailles, Ohio.

OVERONS

FOR MEN'S, YOUTHS', AND BOYS' OVERALLS, COATS, VESTS, AND PANTS; WOMEN'S, MISSES', AND CHILDREN'S FROCKS, SMOCKS, AND APRONS; CHILDREN'S PLAY SUITS AND BASEBALL SUITS.

Claims use since Aug. 27, 1928.

Reg. No. 280,360. Registered Feb. 17, 1931. MILFORD NEWMAN, doing business as The Newman Co., New York, N. Y. Republished by The Newman Company, New York, N. Y., a firm.

CLIMFY

FOR INFANTS' WEAR—NAMELY, COATS, GERTRUDES, GOWNS, KIMONOS, PANTIES, BATH ROBES, AND BUNTINGS.

Claims use since 1922.

Reg. No. 288,551. Registered Nov. 3, 1931. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

KREPECRAFT

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, PAJAMAS, AND STEP-IN DRAWERS OF A TEXTILE FABRIC.

Claims use since July 10, 1929.

Reg. No. 290,053. Registered Dec. 22, 1931. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

LOOMWEAR

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, PAJAMAS, AND STEP-IN DRAWERS OF A TEXTILE FABRIC.

Claims use since July 10, 1929.

Reg. No. 293,135. Registered Apr. 12, 1932. LEO J. GOLDBERGER, doing business as L. Wohl & Co., New York, N. Y. Republished by L. Wohl & Company, Inc., New York, N. Y., a corporation of New York.

Kate Greenaway FROCK

The word "Frock" is disclaimed apart from the mark as shown.

FOR CHILDREN'S AND MISSES' DRESSES.

Claims use since Oct. 30, 1931.

Reg. No. 293,176. Registered Apr. 12, 1932. KRESGE DEPARTMENT STORE CORPORATION, Newark, N. J. Republished by Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey.

Lady Treat

FOR WOMEN'S, MISSES', AND CHILDREN'S STOCKINGS, DRESSES, SHOES MADE OF LEATHER, RUBBER, AND/OR ANY OTHER COMBINATIONS THEREOF; UNDERWEAR OF KNITTED, NETTED, AND TEXTILE FABRICS; COATS, HATS, CORSETS.

Claims use since Sept. 30, 1930.

Reg. No. 314,721. Registered July 3, 1934. EARNSHAW KNITTING COMPANY, Newton, Mass. Republished by The Vanta Company, Inc., Pawtucket, R. I., a corporation of Rhode Island.

Vanta EVONTAN

FOR INFANTS' AND CHILDREN'S GARMENTS—NAMELY, BATHING SUITS AND SUNSUITS.

Claims use since Feb. 15, 1934.

Reg. No. 321,305. Registered Jan. 29, 1935. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.



The word "Satin" is disclaimed apart from the mark as shown.

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC.

Claims use since Jan. 4, 1934.

Reg. No. 322,917. Registered Mar. 26, 1935. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Shado-Loom

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC.

Claims use since Oct. 30, 1933.

Reg. No. 326,707. Registered July 30, 1935. JACOB SOLOMON, New York, N. Y. Republished by U. S. Knitwear Co., New York, N. Y., a partnership.

SURF TOGS

The words "Surf Togs" are disclaimed apart from the mark as shown.

FOR MEN'S, WOMEN'S, AND CHILDREN'S SWIM SUITS.

Claims use since Jan. 5, 1933.

Reg. No. 327,309. Registered Aug. 20, 1935. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

STURDITWIST

FOR MEN'S SUITS—NAMELY, COATS, VESTS, AND TROUSERS.

Claims use since October 1929.

Reg. No. 333,605. Registered Mar. 31, 1936. I. SCHNEIBERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

BIAS-CRAFT

The word "Bias" is disclaimed apart from the mark as shown.

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC.

Claims use since Sept. 5, 1935.

Reg. No. 336,442. Registered July 7, 1936. BACMO POSTMAN CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

THE GUARDSMAN

FOR GLOVES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF.

Claims use since Feb. 4, 1935.

Reg. No. 340,093. Registered Nov. 3, 1936. THE WEISSAUM BROS., BROWER COMPANY, Cincinnati, Ohio. Republished by Beau Brummell Ties, Inc., Cincinnati, Ohio, a corporation of Ohio.

Silver Seal

FOR MEN'S NECKTIES.

Claims use since on or about Apr. 6, 1933.

Reg. No. 341,916. Registered Dec. 29, 1936. BOSTONIAN MANUFACTURING CO., LTD., Los Angeles, Calif. Republished by Bostonian Manufacturing Company, Los Angeles, Calif., a partnership.

Jun-yer-ettes

FOR YOUNG LADIES' UNDERWEAR.

Claims use since Aug. 8, 1936.

Reg. No. 353,225. Registered Dec. 28, 1937. MARLBORO SHIRT COMPANY, INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

LaPlaya

FOR MEN'S AND BOYS' DRESS AND SPORT SHIRTS.

Claims use since July 1935.

Reg. No. 368,716. Registered June 27, 1939. I. SCHNEIBERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Craft-o-Loom

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC.

Claims use since May 18, 1931.

Reg. No. 371,267. Registered Sept. 19, 1939. HANSEN GLOVE CORPORATION, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

Hanosette

FOR FABRIC GLOVES.

Claims use since Apr. 21, 1939.

Reg. No. 375,271. Registered Feb. 13, 1940. CHICAGO RUBBER CLOTHING COMPANY, Racine, Wis. Republished by Rainfair, Inc., Racine, Wis., a corporation of Wisconsin.

ZIPRAIN

FOR RAINCOATS.

Claims use since Mar. 25, 1935.

Reg. No. 384,162. Registered Jan. 7, 1941. MARLBORO SHIRT COMPANY, INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

The Great White Way

FOR DRESS, SPORT, AND NEGLIGEE SHIRTS, ENSEMBLES OF OUTER SHIRTS AND NECKTIES, AND PANTS AND SHIRT ENSEMBLES FOR OUTER WEAR.

Claims use since September 1939.

Reg. No. 384,490. Registered Jan. 21, 1941. JOHN IRVING SHOE CORPORATION, Boston, Mass., a corporation of Delaware. Republished by registrant.

marlo

FOR HOSIERY.

Claims use since May 1, 1939.

Reg. No. 386,842. Registered Apr. 22, 1941. MARLBORO SHIRT COMPANY, INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

Spitfire

FOR MEN'S AND BOYS' DRESS AND WORK SHIRTS, DRESS AND WORK PANTS, OUTER SHIRTS, SPORT SHIRTS, AND COATS.

Claims use since Mar. 8, 1940.

Reg. No. 387,411. Registered May 13, 1941. I. SCHNEIBERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Jewel-Glo

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC.

Claims use since on or about Nov. 15, 1940.

Reg. No. 389,683. Registered Aug. 19, 1941. I. SCHNEIBERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Loomcraft

The words "Styled Loveliness" are disclaimed apart from the mark as shown.

FOR NURSES', BEUTICIANS', WAITRESSES', MAIDS', INSTITUTIONAL, INDUSTRIAL, AND UTILITY WORKERS' UNIFORMS, AND FOR PRINCESS SLIPS, CHEMISES, BLOOMERS, AND STEP-INS.

Claims use since on or about June 1, 1939.

Reg. No. 394,464. Registered Apr. 7, 1942. SHOECRAFT, INC., New York, N. Y., a corporation of New York. Republished by registrant.

TALL GALS!

FOR WOMEN'S, MISSES', AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, OR FABRIC, AND/OR COMBINATIONS OF THESE MATERIALS, AND HOSIERY.

Claims use since July 13, 1941.

Reg. No. 400,856. Registered Apr. 6, 1943. DAVID E. GOTTLIEB INC., New York, N. Y., a corporation of New York. Republished by registrant.

Gothé

FOR LADIES' AND MISSES' DRESSES.

Claims use since Sept. 1, 1942.

Reg. No. 404,058. Registered Nov. 2, 1943. I. SCHNEIBERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Beauty Maid

FOR LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC.

Claims use since on or about July 10, 1941.

Reg. No. 404,685. Registered Dec. 14, 1943. TOWNCLIFFE, INC., New York, N. Y., a corporation of New York. Republished by registrant.

ROYAL FERN

FOR LADIES' AND MISSES' COATS, SUITS, JACKETS, AND OUTER SKIRTS.

Claims use since December 1941.

Reg. No. 407,105. Registered May 16, 1944. I. SCHNEIBERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

LOOMLON

FOR LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC.

Claims use since on or about Nov. 1, 1943.

Reg. No. 407,106. Registered May 16, 1944. I. SCHNEIBERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

NYLOOM

FOR LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC.

Claims use since on or about Nov. 1, 1943.

Reg. No. 412,186. Registered Feb. 20, 1945. I. SCHNEIBERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SATINTEX

FOR LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC.

Claims use since on or about Aug. 7, 1944.

Reg. No. 412,187. Registered Feb. 20, 1945. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

THRIFT CRAFT

FOR LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC.
Claims use since on or about Aug. 7, 1944.

Reg. No. 412,444. Registered Mar. 6, 1945. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

THRIFT LOOM

FOR LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC.
Claims use since on or about Aug. 7, 1944.

Reg. No. 415,549. Registered Aug. 7, 1945. EARNSHAW KNITTING COMPANY, Newton, Mass., now by change of name to The Vanta Company. Republished by The Vanta Company, Inc., Pawtucket, R. I., a corporation of Rhode Island.



FOR INFANTS' AND CHILDREN'S KNITTED GARMENTS—NAMELY, DIAPERS, VESTS, SHIRTS, ABDOMINAL BANDS, SLEEPING GARMENTS, KIMONOS, CREEPERS, TRUNKS, PLAY SUITS, GERTRUDES, UNION SUITS, TRAINING PANTIES, BIBS, HOSIERY, AND SOCKS.
Claims use since July 15, 1925.

Reg. No. 416,516. Registered Sept. 18, 1945. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

PANTY-LOOM

The word "Panty" is disclaimed apart from the mark as shown.
FOR LADIES' CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PAJAMAS, DRESSES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS OF A TEXTILE FABRIC.
Claims use since on or about Sept. 15, 1944.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 294,294. Registered May 24, 1932. KRESGE DEPARTMENT STORE CORPORATION, Newark, N. J. Republished by Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey.

Lady Treat

FOR DRESS SHIELDS, COMBS, AND HAIR PINS NOT MADE OF PRECIOUS METAL; TRIMMINGS—NAMELY, BINDINGS AND TAPES; NARROW ELASTIC WEBBING.
Claims use since Sept. 30, 1930.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 128,003. Registered Dec. 23, 1919. ARTHUR BEIR & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

A. B. C.

FOR SILK PIECE GOODS.
Claims use since 1908.

Reg. No. 224,244. Registered Feb. 22, 1927. ARTHUR BEIR & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

BUTY-CHYNE

FOR COTTON, SILK, SILK AND COTTON MIXED, RAYON, COTTON AND RAYON MIXED, SILK AND RAYON MIXED PIECE GOODS.
Claims use since June 1, 1926.

Reg. No. 242,268. Registered May 22, 1928. BENNETT & GODING INCORPORATED, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

B&G

FOR COTTON GOODS—NAMELY, DUCKS, DRILLS, AND TWILLS CONVERTED IN THE PIECE FOR LININGS, STIFFENINGS, BUCKRAMS, AND BOX-TOE MATERIALS INTENDED FOR USE IN THE MAKING OF BOOTS, SHOES AND SLIPPERS.
Claims use since Apr. 18, 1925.

Reg. No. 246,995. Registered Sept. 18, 1928. ALBERT D. SMITH & CO., New York, N. Y. Republished by Smith Textile Corporation, New York, N. Y., a corporation of New York.

ALBERT STRIPED HOLLAND

The words "Striped Holland" are disclaimed apart from the mark as shown.
FOR COTTON PIECE GOODS AND SHADE CLOTH.
Claims use since Mar. 7, 1928.

Reg. No. 248,665. Registered Oct. 30, 1928. ALBERT D. SMITH & CO., New York, N. Y. Republished by Smith Textile Corporation, New York, N. Y., a corporation of New York.

ALBERT HOLLAND

FOR COTTON PIECE GOODS AND SHADE CLOTH.
Claims use since August 1890.

Reg. No. 277,608. Registered Nov. 18, 1930. ARTHUR BEIR & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ABC FABRICS

The word "Fabrics" is disclaimed apart from the mark as shown.
FOR PIECE GOODS OF SILK AND COTTON.
Claims use since 1908.

Reg. No. 280,155. Registered Feb. 10, 1931. KRESGE DEPARTMENT STORE CORPORATION, Newark, N. J. Republished by Kresge-Newark, Inc., Newark, N. J., a corporation of New Jersey.

Lady Treat

FOR SHEETS AND PILLOWCASES.
Claims use since Sept. 30, 1930.

Reg. No. 308,793. Registered Dec. 19, 1933. ALFRED L. HELWITH & CO., INC., New York, N. Y. Republished by Alfred L. Helwith Inc., New York, N. Y., a corporation of New York.

Peach Down

FOR MEN'S COTTON SHIRTINGS IN THE PIECE, AND COTTON TEXTILE FABRICS.
Claims use since July 10, 1933.

Reg. No. 314,167. Registered June 19, 1934. ARTHUR BEIR & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

CLIPPER CREPE

A·B·C

The word "Crepe" is disclaimed apart from the mark as shown.
FOR RAYON PIECE GOODS.
Claims use since January 1931.

Reg. No. 324,051. Registered May 28, 1935. ALFRED L. HELWITH & CO., INC., New York, N. Y. Republished by Alfred L. Helwith Inc., New York, N. Y., a corporation of New York.

SHARMA-WEAVE

The word "Weave" is disclaimed apart from the mark as shown.
FOR COTTON AND RAYON TEXTILE FABRICS IN THE PIECE.
Claims use since Nov. 15, 1934.

Reg. No. 327,627. Registered Sept. 3, 1935. ARTHUR BEIR & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

Tip=Toe

FOR PIECE GOODS OF SYNTHETIC YARN—NAMELY, ACETATE AND RAYON.
Claims use since Apr. 12, 1935.

Reg. No. 331,387. Registered Jan. 7, 1936. KNITWEAR MFG. CO., INC., Brooklyn, N. Y. Republished by Herald Knitwear Co., Inc., New York, N. Y., a corporation of New York.

HUDDLESPUN

FOR KNITTED FABRIC OF SILK, COTTON, WOOL, AND/OR RAYON IN THE PIECE AND BULK.
Claims use since about Sept. 10, 1934.

Reg. No. 334,175. Registered Apr. 21, 1936. ARTHUR BEIR & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ABC

TEWAUNEE FABRIC

The word "Fabric" is disclaimed apart from the mark as shown.
FOR RAYON PIECE GOODS.
Claims use since Dec. 21, 1933.

Reg. No. 334,176. Registered Apr. 21, 1936. ARTHUR BEIR & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ABC

TOPALL PRINTS

The word "Prints" is disclaimed apart from the mark as shown.
FOR RAYON PIECE GOODS.
Claims use since July 10, 1935.

Reg. No. 334,186. Registered Apr. 21, 1936. ARTHUR BEIR & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ABC

LINDA SATIN

The word "Satin" is disclaimed apart from the mark as shown.
FOR RAYON PIECE GOODS.
Claims use since Oct. 28, 1932.

Reg. No. 335,595. Registered June 9, 1936. ARTHUR BEIR & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ABC

LA LA VOGUE

The word "Vogue" is disclaimed apart from the mark as shown.
FOR RAYON PIECE GOODS.
Claims use since Nov. 20, 1935.

Reg. No. 335,699. Registered June 9, 1936. ARTHUR BEIR & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ABC

CHILOWEE FABRIC

The word "Fabric" is disclaimed apart from the mark as shown.
FOR RAYON PIECE GOODS.
Claims use since Dec. 12, 1935.

Reg. No. 343,026. Registered Feb. 9, 1937. ARTHUR BEIR & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

SAFE-T-TONE

FOR COTTON PIECE GOODS.
Claims use since June 22, 1936.

Reg. No. 343,964. Registered Mar. 9, 1937. SCHWARZWAELDER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

RAINFOE

The lining as shown on the drawing is for shading only.
FOR WATERPROOFED FABRICS.
Claims use since June 16, 1936.

Reg. No. 344,883. Registered Apr. 6, 1937. ARTHUR BEIR & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ABC

Q. T. PRINTS

The word "Prints" is disclaimed apart from the mark as shown.
FOR RAYON PIECE GOODS.
Claims use since Oct. 30, 1936.

Reg. No. 352,071. Registered Nov. 16, 1937. ARTHUR BEIR & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

TELAS A. B. C.

The word "Telas" is disclaimed apart from the mark as shown.
FOR PIECE GOODS OF SILK, COTTON, RAYON, AND SYNTHETIC YARN, AND MIXTURES THEREOF.
Claims use since June 16, 1937.

Reg. No. 354,142. Registered Feb. 1, 1938. ARTHUR BEIR & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

HOLLYWAIIAN

FOR COTTON PIECE GOODS.
Claims use since Sept. 13, 1937.

Reg. No. 366,854. Registered May 2, 1939. ARTHUR BEIR & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

TID-BIT

FOR PIECE GOODS OF SPUN RAYON AND SILK MIXTURE.
Claims use since Nov. 11, 1938.

Reg. No. 371,932. Registered Oct. 17, 1939. ARTHUR BEIR & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

PIC-A-BAC

FOR ALL RAYON PIECE GOODS.
Claims use since Aug. 5, 1938.

Reg. No. 381,942. Registered Oct. 15, 1940. LEEM BACH & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Monte Cristo

FOR PIECE GOODS OF COTTON, RAYON, SILK AND WOOL, ALONE OR IN COMBINATION.
Claims use since about Aug. 30, 1939.

Reg. No. 401,887. Registered June 15, 1943. LEEM BACH & Co. INC., New York, N. Y., a corporation of New York. Republished by registrant.

KOHINOOR

FOR PIECE GOODS OF COTTON, RAYON, SILK, WOOL MATERIALS, AND ANY COMBINATION OF SAME IN THE GRAY, FINISHED, PROCESSED, AND DYED.
Claims use since Aug. 14, 1939.

Reg. No. 404,298. Registered Nov. 16, 1943. ARTHUR BEIR & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

"ONE-TWO-THREE"

FOR COTTON PIECE GOODS.
Claims use since June 7, 1943.

Reg. No. 417,136. Registered Oct. 16, 1945. JOHN WALTHER FABRICS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

John Walther

FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since January 1933.

Reg. No. 437,543. Registered Mar. 30, 1948. ARCHER RUBBER COMPANY, Milford, Mass., a corporation of Massachusetts. Republished by registrant.

ROYAL ARCHER

FOR ELASTIC CORSET FABRIC IN THE PIECE.
Claims use since January 1925.

Reg. No. 437,545. Registered Mar. 30, 1948. ARCHER RUBBER COMPANY, Milford, Mass., a corporation of Massachusetts. Republished by registrant.

ROYAL ARCHER

The words "Rubber Company" are disclaimed apart from the mark as shown.
FOR ELASTIC CORSET FABRIC IN THE PIECE.
Claims use since January 1925.

CLASS 43

THREAD AND YARN

Reg. No. 69,438. Registered June 16, 1908. DOLLFUS-MIEG & CIE, SOCIÉTÉ ANONYME, Mulhausen, Germany. Republished by Dollfus-Mieg & Cie., Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation organized under the laws of the Republic of France.

ALSA

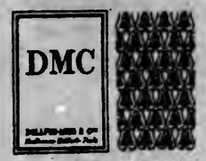
FOR COTTON, LINEN, SILK, WOOL, WORSTED, HEMP, HAIR, AND JUTE YARNS, SEWING COTTON, THREAD, AND SILK (SPUN, THROWN, OR SEWING).
Claims use since Apr. 20, 1903.

Reg. No. 70,360. Registered Aug. 25, 1908. DOLLFUS-MIEG & CIE. SOCIÉTÉ ANONYME, Mulhouse, Germany. Republished by Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation organized under the laws of the Republic of France.

40

FOR YARNS AND THREADS MADE OF COTTON, WOOL, SILK, LINEN, JUTE, AND RAMIE.
Claims use since Sept. 22, 1904.

Reg. No. 70,361. Registered Aug. 25, 1908. DOLLFUS-MIEG & CIE. SOCIETE ANONYME, Mulhouse, Germany. Republished by Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation organized under the laws of the Republic of France.



FOR YARNS AND THREADS MADE OF COTTON, WOOL, SILK, LINEN, JUTE, AND RAMIE.
Claims use since July 27, 1903.

Reg. No. 70,827. Registered Oct. 6, 1908. DOLLFUS-MIEG & CIE. SOCIETE ANONYME, Mulhouse, Germany. Republished by Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin), France, a corporation organized under the laws of the Republic of France.



FOR YARNS AND THREADS MADE OF COTTON, SILK, WOOL, LINEN, JUTE, AND RAMIE.
Claims use since Oct. 16, 1905.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 244,109. Registered July 10, 1928. THE COLUMBUS DENTAL MANUFACTURING CO., Columbus, Ohio., a corporation of Ohio. Republished by registrant.

Trupontics

FOR ARTIFICIAL TEETH, TOOTH FACINGS, AND TOOTH BACKINGS.
Claims use since February 1927.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 182,405. Registered Apr. 8, 1924. CHASE & CO., Jacksonville, Fla., a corporation of Florida. Republished by registrant, present address Sanford, Fla.

Sunniland

FOR NON-ALCOHOLIC MALTLESS FRUIT JUICES USED FOR BEVERAGE PURPOSES.
Claims use since Sept. 3, 1915.

Reg. No. 388,924. Registered July 15, 1941. TOWNE TALK COMPANY, Los Angeles, Calif. Republished by Towne Talk Company, Los Angeles, Calif., a corporation of California.

Towne Pumpe



FOR SYRUPS, EXTRACTS, AND FLAVORS FOR MAKING NON-ALCOHOLIC BEVERAGES.
Claims use since Jan. 4, 1941.

Reg. No. 401,117. Registered Apr. 27, 1943. THE SQUIRT COMPANY, Beverly Hills, Calif. Republished by The Squirt Company, Beverly Hills, Calif., a corporation of California.



FOR NONALCOHOLIC BEVERAGES AND THE BASES, SYRUPS, CONCENTRATES, AND EXTRACTS FOR MAKING SAME.
Claims use since Oct. 14, 1941.

Reg. No. 410,106. Registered Nov. 7, 1944. TOWNE TALK COMPANY, Los Angeles, Calif. Republished by Towne Talk Company, Los Angeles, Calif., a corporation of California.

TOWNE PRIDE



FOR FLAVOR BASES FOR MAKING NON-ALCOHOLIC BEVERAGES.
Claims use since May 18, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 54,946. Registered Aug. 7, 1906. QUAKER CITY CHOCOLATE & CONFECTIONERY CO., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Quaker City

FOR HARD AND SOFT CANDY.
Claims use since July 1893.

Reg. No. 71,274. Registered Nov. 17, 1908. THE ATLANTIC MACARONI CO., New York, N. Y. Republished by Caruso Foods, Inc., Long Island City, N. Y., a corporation of New York.

LA GLORIA

FOR MACARONI.
Claims use since May 1906.

Reg. No. 83,223. Registered Aug. 29, 1911. CHASE & COMPANY, Jacksonville, Fla. Republished by Chase & Company, Sanford, Fla., a corporation of Florida.



FOR ORANGES, LEMONS, GRAPEFRUIT, TANGERINES, AND LIMES.
Claims use since 1888.

Reg. No. 109,820. Registered Apr. 18, 1916. CHASE & COMPANY, Jacksonville, Fla., a corporation of Florida. Republished by registrant, present address, Sanford, Fla.

SUNNILAND

FOR CITRUS FRUITS AND FRESH FRUITS AND VEGETABLES.
Claims use since Sept. 3, 1915.

Reg. No. 114,002. Registered Nov. 14, 1916. B. F. MOOMAW CO., INC., Cloverdale, Va. Republished by John Morrell & Co., Ottumwa, Iowa, a corporation of Maine.

MOCO

FOR CANNED VEGETABLES.
Claims use since Sept. 1, 1915.

Reg. No. 119,080. Registered Oct. 23, 1917. IMPERIAL SUGAR COMPANY, Sugar Land, Tex., a corporation of Texas. Republished by registrant.

IMPERIAL

FOR SUGAR.
Claims use since January 1912.

Reg. No. 123,601. Registered Nov. 19, 1918. IMPERIAL SUGAR COMPANY, Sugar Land, Tex., a corporation of Texas. Republished by registrant.

IMPERIAL



FOR SUGAR.
Claims use since January 1912.

Reg. No. 139,605. Registered Feb. 8, 1921. PIEDMONT MILLS, INC., Lynchburg, Va., a corporation of Virginia. Republished by registrant.



FOR CORNMEAL.
Claims use since 1905.

Reg. No. 152,709. Registered Mar. 7, 1922. CHASE & CHASE, Jacksonville, Fla. Republished by Chase Investment Company, Sanford, Fla., a corporation of Florida.

COAT of ARMS

FOR FRESH CITRUS FRUITS.
Claims use since 1911.

Reg. No. 153,730. Registered Mar. 28, 1922. E. C. GRADY PRODUCE COMPANY, Reinbeck, Iowa. Republished by John Morrell & Co., Ottumwa, Iowa, a corporation of Maine.



The representation of the outline of the State of Iowa is disclaimed apart from the mark as shown.
FOR BUTTER, EGGS, AND DRESSED POULTRY.
Claims use since June 1, 1920.

Reg. No. 159,067. Registered Sept. 19, 1922. SCHREIBER PRODUCTS CORPORATION, Buffalo, N. Y. Republished by Schreiber Brewing Company, Inc., Buffalo, N. Y., a corporation of New York.

MANRU

FOR MALT EXTRACT SYRUP FOR FOOD PURPOSES.
Claims use since Apr. 1, 1921.

Reg. No. 159,474. Registered Sept. 26, 1922. PIEDMONT MILLS, INC., Lynchburg, Va., a corporation of Virginia. Republished by registrant.

ARGUS

FOR WHEAT FLOUR.
Claims use since 1916.

Reg. No. 159,510. Registered Sept. 26, 1922. SCHREIBER PRODUCTS CORPORATION, Buffalo, N. Y. Republished by Schreiber Brewing Company, Inc., Buffalo, N. Y., a corporation of New York.

KLOSTER

FOR MALT EXTRACT SYRUP FOR FOOD PURPOSES.
Claims use since Apr. 1, 1921.

Reg. No. 165,951. Registered Mar. 27, 1923. PIEDMONT MILLS, INC., Lynchburg, Va., a corporation of Virginia. Republished by registrant.

BREAKFAST

BELL

FOR SELF-RISING BISCUIT FLOUR.
Claims use since 1915.

Reg. No. 179,070. Registered Feb. 5, 1924. CHASE & Co., Jacksonville, Fla., a corporation of Florida. Republished by registrant, present address Sanford, Fla.

Sunniland

FOR PRESERVED, CANNED, AND BOTTLED FRUITS, CANNED VEGETABLES.
Claims use since Sept. 3, 1915.

Reg. No. 189,334. Registered Sept. 16, 1924. SIERRA VISTA PACKING ASSOCIATION, Riverside, Calif., a corporation of California. Republished by registrant.

SIERRA VISTA

FOR FRESH CITROUS FRUITS, PARTICULARLY ORANGES.
Claims use since 1909.

Reg. No. 196,917. Registered Mar. 31, 1925. B. FILIPPONE & CO., Passaic, N. J. Republished by B. Filippone & Co., Passaic, N. J., a corporation of New Jersey.



FOR OLIVE OIL.
Claims use since Aug. 4, 1922.

Reg. No. 205,637. Registered Nov. 10, 1925. IMPERIAL SUGAR COMPANY, Sugar Land, Tex., a corporation of Texas. Republished by registrant.



All the wording on the drawing is disclaimed apart from the mark as shown except the word "Imperial." The representation of the bag is also disclaimed apart from the mark as shown.
FOR SUGAR.
Claims use since Jan. 1, 1925.

Reg. No. 208,460. Registered Feb. 2, 1926. B. FILIPPONE & Co., Passaic, N. J. Republished by B. Filippone & Co., Passaic, N. J., a corporation of New Jersey.

PUCCINI



FOR OLIVE OIL.
Claims use since Aug. 10, 1925.

Reg. No. 211,291. Registered Apr. 6, 1926. CREAM OF WHEAT COMPANY, Minneapolis, Minn. Republished by The Cream of Wheat Corporation, Minneapolis, Minn., a corporation of Delaware.



FOR WHEAT BREAKFAST FOOD.
Claims use since July 15, 1925.

Reg. No. 212,207. Registered Apr. 27, 1926. B. FILIPPONE & Co., Passaic, N. J. Republished by B. Filippone & Co., Passaic, N. J., a corporation of New Jersey.

ROSINELLA



FOR MACARONI AND COTTONSEED OIL.
Claims use since August 1922.

622 O. G.—8

Reg. No. 219,494. Registered Oct. 19, 1926. B. FILIPPONE & Co., Passaic, N. J. Republished by B. Filippone & Co., Passaic, N. J., a corporation of New Jersey.

"LA PERLA"



FOR MACARONI, CANNED PEAS, AND TOMATOES.
Claims use since July 1924.

Reg. No. 220,082. Registered Nov. 2, 1926. B. FILIPPONE & Co., Passaic, N. J. Republished by B. Filippone & Co., Passaic, N. J., a corporation of New Jersey.



PUCCINI

FOR MACARONI.
Claims use since Apr. 15, 1926.

Reg. No. 222,004. Registered Dec. 21, 1926. PHIL. J. HOCK, doing business as Phil. J. Hock & Co., Cincinnati, Ohio. Republished by registrant.

Worthmore Brand

The word "Brand" is disclaimed apart from the mark as shown.
FOR CANNED MOCK TURTLE SOUP.
Claims use since July 1, 1924.

Reg. No. 230,290. Registered July 19, 1927. THE PEARL COFFEE COMPANY, Akron, Ohio, a firm. Republished by registrant.



The words "Brand" and "Coffee" are disclaimed apart from the mark as shown.
FOR COFFEE.
Claims use since July 1, 1926.

Reg. No. 234,673. Registered Nov. 1, 1927. SIERRA VISTA PACKING ASSOCIATION, Riverside, Calif., a corporation of California. Republished by registrant.

Prairie Belle

FOR FRESH CITROUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use sinc Jan. 1, 1913.

Reg. No. 234,674. Registered Nov. 1, 1927. SIERRA VISTA PACKING ASSOCIATION, Riverside, Calif., a corporation of California. Republished by registrant.

PEASANT

FOR FRESH CITROUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since Jan. 2, 1909.

Reg. No. 240,585. Registered Apr. 3, 1928. LARABEE FLOUR MILLS COMPANY, doing business as Aetna Mills, Kansas City, Mo., and Wellington, Kans. Republished by Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware.



FOR WHEAT FLOUR.
Claims use since Sept. 9, 1927.

Reg. No. 241,986. Registered May 8, 1928. HOLLANDSCHE CACAO-EN CHOCOLADEFABRIEKEN V/H BENSDORP & Co., Amsterdam, Netherlands. Republished by Bensdorp N. V., Amsterdam, Netherlands, a corporation of the Netherlands.

ROYAL DUTCH

FOR COCOA.
Claims use since 1888.

Reg. No. 245,556. Registered Aug. 14, 1928. MAX AMS, INCORPORATED, New York, N. Y. Republished by Airline Foods Corporation, Long Island City, N. Y., a corporation of Delaware.

BLUE PAIL BRAND

Right to the exclusive use of a pail colored blue is disclaimed, and the exclusive use of the word "Brand" is disclaimed apart from the mark as shown.
FOR FRUIT PRESERVES.
Claims use since about December 1894.

Reg. No. 249,173. Registered Nov. 6, 1928. A. C. LEGG PACKING COMPANY, INC., Birmingham, Ala., a corporation of Alabama. Republished by registrant.



No claim is made to any of the wording except "Legg's Old Plantation" and our name.
FOR SEASONING FOR MEATS OR OTHER FOODS.
Claims use since Sept. 25, 1927.

Reg. No. 259,119. Registered July 23, 1929. QUEEN ANNE CANDY COMPANY, INC., Seattle, Wash. Republished by Queen Anne Candy Corporation, Seattle, Wash., a corporation of Washington.

Mississippi Aristocrats

The word "Mississippi" is disclaimed apart from the mark as shown.
FOR CANDY — NAMELY, CHOCOLATE-COATED PECANS.
Claims use since Dec. 1, 1928.

Reg. No. 265,777. Registered Jan. 7, 1930. IMPERIAL SUGAR COMPANY, Sugar Land, Tex., a corporation of Texas. Republished by registrant.



The words "Pure Cane" and "Sugar" are disclaimed apart from the mark as shown.
FOR CANE SUGAR.
Claims use since July 15, 1929.

Reg. No. 266,396. Registered Jan. 14, 1930. CHASE & COMPANY, Orlando, Fla., a corporation of Florida. Republished by registrant, present address Sanford, Fla.

SPADE

FOR FRESH CITRUS FRUITS AND FRESH VEGETABLES.
Claims use since December 1911.

Reg. No. 291,169. Registered Feb. 2, 1932. B. FILIPPONE & Co., Passaic, N. J. Republished by B. Filippone & Co., Passaic, N. J., a corporation of New Jersey.

ROSINELLA



FOR CANNED PEAS, CANNED TUNA FISH, CANNED TOMATOES.
Claims use since Oct. 28, 1930.

Reg. No. 297,901. Registered Oct. 4, 1932. B. FILIPPONE & Co., Passaic, N. J. Republished by B. Filippone & Co., Passaic, N. J., a corporation of New Jersey.

PUCCINI



FOR CANNED PEAS, CANNED TOMATOES, AND CANNED TUNA FISH, SALAME, AND CHEESE.
Claims use since March 1928.

Reg. No. 301,721. Registered Mar. 14, 1933. LINDSAY FARM BUREAU FRUIT ASSN., Lindsay, Calif. Republished by Lindsay Citrus Growers Association, Lindsay, Calif., a corporation of California.

Life Guard

FOR FRESH CITRUS FRUITS.
Claims use since Nov. 1, 1929.

Reg. No. 306,361. Registered Sept. 19, 1933. CHASE INVESTMENT COMPANY, Sanford, Fla., a corporation of Florida. Republished by registrant.

ISLEWORTH

FOR FRESH CITRUS FRUITS.
Claims use since 1909.

Reg. No. 307,580. Registered Oct. 31, 1933. LINDSAY FARM BUREAU FRUIT ASSN., Lindsay, Calif. Republished by Lindsay Citrus Growers Association, Lindsay, Calif., a corporation of California.

TRIBUTE



The representation of the orange is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since Nov. 1, 1929.

Reg. No. 308,951. Registered Dec. 26, 1933. B. FILIPPONE & Co., Passaic, N. J. Republished by B. Filippone & Co., Passaic, N. J., a corporation of New Jersey.

AMORINI

FOR MACARONI.
Claims use since Feb. 16, 1933.

Reg. No. 308,952. Registered Dec. 26, 1933. B. FILIPPONE & Co., Passaic, N. J. Republished by B. Filippone & Co., Passaic, N. J., a corporation of New Jersey.

ARANCINI

FOR MACARONI.
Claims use since Feb. 16, 1933.

Reg. No. 311,567. Registered Mar. 27, 1934. B. FILIPPONE & Co., Passaic, N. J., assignor to B. Filippone & Co. Inc. Republished by B. Filippone & Co., Passaic, N. J., a corporation of New Jersey.

BOCCONCINI

FOR MACARONI.
Claims use since Nov. 1, 1933.

Reg. No. 316,842. Registered Sept. 4, 1934. B. FILIPPONE & Co., Passaic, N. J., assignor to B. Filippone & Co. Inc. Republished by B. Filippone & Co., Passaic, N. J., a corporation of New Jersey.

LA PERLA



FOR CANNED TUNA FISH, CANNED SALMON, CANNED CORN, CANNED STRING BEANS, CANNED ANCHOVIES, CHEESE, RICE, LENTILS, DRIED PEAS AND BEANS, OLIVES, COFFEE, AND TOMATO PASTE.
Claims use since December 1927.

Reg. No. 323,074. Registered Apr. 2, 1935. CENTRAL SOYA COMPANY, INC., Decatur, Ind., a corporation of Indiana. Republished by registrant, present address Fort Wayne, Ind.

BIG C

FOR STOCK AND POULTRY FEEDS.
Claims use since Oct. 25, 1934.

Reg. No. 323,351. Registered Apr. 9, 1935. LINDSAY CITRUS GROWERS ASSOCIATION, Lindsay, Calif., a corporation of California. Republished by registrant.

ENERGY

FOR FRESH CITRUS FRUITS.
Claims use since Nov. 1, 1934.

Reg. No. 323,726. Registered Apr. 30, 1935. CENTRAL SOYA COMPANY, INC., Decatur, Ind., a corporation of Indiana. Republished by registrant, present address Fort Wayne, Ind.

MASTER SOY

The word "Soy" is disclaimed apart from the mark as shown.
FOR STOCK FOOD—NAMELY, SOY BEAN OIL MEAL WITH MINERALS.
Claims use since Oct. 25, 1934.

Reg. No. 337,899. Registered Aug. 25, 1936. HIGHLAND EXCHANGE ASSOCIATION, Highland, Calif. Republished by Krinard Packing Company, Riverside, Calif., a partnership.

WITCH

FOR FRESH CITRUS FRUITS.
Claims use since 1926.

Reg. No. 339,987. Registered Oct. 27, 1936. B. FILIPPONE & Co., INC., Passaic, N. J., a corporation of New Jersey. Republished by registrant.

MILLEFIORI

FOR MACARONI.
Claims use since Jan. 3, 1936.

Reg. No. 352,721. Registered Dec. 7, 1937. SEABOARD LEMON ASSOCIATION, Oxnard, Calif., a corporation of California. Republished by registrant.

SEA-BOUND

FOR FRESH CITRUS FRUITS.
Claims use since July 20, 1937.

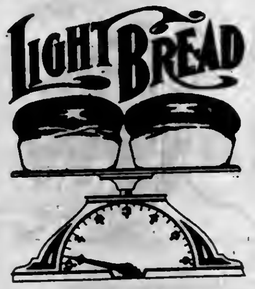
Reg. No. 352,925. Registered Dec. 14, 1937. SEABOARD LEMON ASSOCIATION, Oxnard, Calif., a corporation of California. Republished by registrant.

SEA-CURED

FOR FRESH CITRUS FRUITS.
Claims use since July 20, 1937.

Reg. No. 357,156. Registered May 24, 1938. JIM C. LOCKE, doing business as Jim C. Locke Company, Wharton, Tex. Republished by registrant.

LIGHT BREAD



The words "Light Bread" are disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since Dec. 10, 1937.

Reg. No. 357,901. Registered June 21, 1938. CHICAGO SMOKED FISH CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The drawing is lined for yellow, red, and black. The representation of the tag, aside from the color arrangement, is disclaimed apart from the mark as shown.
FOR SMOKED FISH AND CANNED FISH.
Claims use since June 4, 1937.

Reg. No. 361,569. Registered Oct. 25, 1938. CHICAGO SMOKED FISH CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

AALEPH



FOR SMOKED FISH, PICKLED FISH, SALTED FISH, AND CANNED FISH.
Claims use since Aug. 30, 1937.

Reg. No. 365,617. Registered Mar. 14, 1939. CENTRAL SOYA COMPANY, INC., Fort Wayne, Ind., a corporation of Indiana. Republished by registrant.

CENTRAL STAR

FOR SOYBEAN OIL MEAL AND SOYBEAN FLAKES USED IN THE MANUFACTURE OF STOCK AND POULTRY FEEDS.
Claims use since June 14, 1938.

Reg. No. 365,725. Registered Mar. 14, 1939. JOHN MACKINTOSH & SONS LTD., INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

TOFFEELATE

FOR CANDY.
Claims use since Nov. 1, 1938.

Reg. No. 367,375. Registered May 16, 1939. CURT MICHAELIS, Jersey City, N. J. Republished by registrant.

PANTEX

FOR SHORTENING IN SOLID FORM AND OF VEGETABLE ORIGIN, FOR USE IN COOKING AND BAKING, AS IN THE PREPARATION OF CAKE ICINGS.
Claims use since Jan. 15, 1935.

Reg. No. 367,487. Registered May 16, 1939. BASIC FOODS, INC., Jersey City, N. J. Republished by Basic Foods, Inc., New York, N. Y., a corporation of New York.



FOR ICINGS FOR CAKES AND COOKIES.
Claims use since Nov. 1, 1933.

Reg. No. 368,713. Registered June 27, 1939. CHASE & COMPANY, Sanford, Fla., a corporation of Florida. Republished by registrant.

CELERYETTS

FOR CELERY.
Claims use since Jan. 28, 1939.

Reg. No. 368,755. Registered June 27, 1939. BEAR CREEK ORCHARDS, Medford, Oreg. Republished by Harry and David, Medford, Oreg., a corporation of Oregon.

OREGOLD

FOR FRESH DECIDUOUS FRUITS.
Claims use since May 30, 1938.

Reg. No. 368,898. Registered July 4, 1939. BEAR CREEK ORCHARDS, doing business as Rosenberg Bros., Medford, Oreg. Republished by Harry and David, Medford, Oreg., a corporation of Oregon.

Royal Riviera DELICACIES ROSENBERG BROS. MEDFORD · OREGON

The words "Delicacies" and "Rosenberg Bros., Medford, Oregon" are disclaimed apart from the mark as shown.
FOR CANNED FRUITS.
Claims use since April 1937.

Reg. No. 369,977. Registered Aug. 8, 1939. SEABOARD LEMON ASSOCIATION, Oxnard, Calif., a corporation of California. Republished by registrant.

CUTTER

FOR FRESH CITRUS FRUIT.
Claims use since Nov. 5, 1938.

Reg. No. 370,296. Registered Aug. 22, 1939. B. FILIPPONE & CO., INC., Passaic, N. J., a corporation of New Jersey. Republished by registrant.

FIOR DI PASQUA

FOR MACARONI.
Claims use since Apr. 5, 1939.

Reg. No. 374,805. Registered Jan. 23, 1940. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn., a corporation of Delaware. Republished by registrant.



FOR WHEAT BREAKFAST FOOD.
Claims use since Oct. 1, 1938.

Reg. No. 375,322. Registered Feb. 13, 1940. ANTHONY ORLANDELLA, Boston, Mass., and Lodi, Calif. Republished by registrant, present address Boston, Mass.



FOR FRESH FRUITS—NAMELY, FRESH GRAPES.
Claims use since Sept. 2, 1939.

Reg. No. 378,247. Registered June 4, 1940. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn., a corporation of Delaware. Republished by registrant.



CREAM OF WHEAT

FOR WHEAT BREAKFAST FOOD.
Claims use since Oct. 1, 1938.

Reg. No. 380,284. Registered Aug. 20, 1940. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

CREAM OF WHEAT

FOR WHEAT BREAKFAST FOOD.
Claims use since Oct. 1, 1938.

Reg. No. 389,457. Registered Aug. 20, 1940. CHASE & COMPANY, Sanford, Fla., a corporation of Florida. Republished by registrant.



FOR CELERY.
Claims use since Mar. 15, 1940.

Reg. No. 384,863. Registered Feb. 4, 1941. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

ZING!

FOR WHEAT GERM.
Claims use since Sept. 6, 1940.

Reg. No. 385,495. Registered Mar. 4, 1941. RED-EE FOODS, INC., Los Angeles, Calif. Republished by Cinch Products, Inc., Los Angeles, Calif., a corporation of California.

"It's a Cinch to make" ADD WATER, MIX & BAKE!

All wording is disclaimed with the exception of "Cinch" apart from the mark as shown.
FOR CAKE MIX AND ICING.
Claims use since May 24, 1940.

Reg. No. 387,953. Registered June 10, 1941. BASIC FOODS SALES CORP., Jersey City, N. J., a corporation of New York. Republished by registrant, present address New York, N. Y.

"A CAKE SELLS NO BETTER THAN THE ICING THAT COVERS IT"

The word "Icing" is disclaimed apart from the mark as shown.
FOR ICING FOR CAKES AND COOKIES.
Claims use since May 20, 1940.

Reg. No. 392,990. Registered Jan. 20, 1942. CENTRAL SOYA COMPANY, INC., Fort Wayne, Ind., a corporation of Indiana. Republished by registrant.

DOGBURGER

FOR DOG FOOD.
Claims use since Sept. 11, 1941.

Reg. No. 395,085. Registered May 12, 1942. RED-EE FOODS, INC., Los Angeles, Calif. Republished by Cinch Products, Inc., Los Angeles, Calif., a corporation of California.

Cinch

FOR PARTLY PREPARED APPLESAUCE.
Claims use since June 4, 1921.

Reg. No. 404,134. Registered Nov. 2, 1943. WACHSBERG PICKLE WORKS, Bayonne and Hoboken, N. J., a firm. Republished by registrant, present address Bayonne, N. J.

Sonia

FOR DILL PICKLES, SWEET MIXED PICKLES, SWEET PICKLE RINGS, SWEET PICKLES, SWEET PICKLE RELISH, PICKLED PEPPERS, SWEET ONIONS, QUEEN OLIVES, STUFFED OLIVES, HORSERADISH, MAYONNAISE, MARASCHINO CHERRIES, AND MUSTARD.
Claims use since 1920.

Reg. No. 417,943. Registered Nov. 20, 1945. CURT MICHAELIS, New York, N. Y. Republished by registrant.

PANTRY SHORTENING

The word "Shortening" is disclaimed apart from the mark as shown.

FOR SHORTENING IN SOLID FORM AND OF VEGETABLE ORIGIN, FOR USE IN COOKING AND BAKING, AS IN THE PREPARATION OF CAKE ICINGS.

Claims use since May 25, 1945.

Reg. No. 418,723. Registered Jan. 8, 1946. PIEDMONT MILLS, INC., Lynchburg, Va., a corporation of Virginia. Republished by registrant.

UTOPIA

FOR SELF-RISING BISCUIT FLOUR.
Claims use since 1910.

Reg. No. 419,460. Registered Feb. 19, 1946. BASIC FOODS SALES CORP., New York, N. Y., a corporation of New York. Republished by registrant.

THE BAKED GOODS' SALESMAN

The words "Baked Goods" are disclaimed apart from the mark as shown.

FOR ICINGS FOR CAKES AND COOKIES.
Claims use since Aug. 31, 1944.

Reg. No. 426,367. Registered Dec. 24, 1946. HUNT FOODS, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant, present address, Los Angeles, Calif.

Hunt's

FOR CANNED FRUITS AND VEGETABLES.
Claims use since 1890.

Reg. No. 427,004. Registered Jan. 21, 1947. BRYN MAWR FRUIT GROWERS ASSOCIATION, Bryn Mawr, Calif., a corporation of California. Republished by registrant.

REDLANDS JOY

The geographical word "Redlands" is disclaimed apart from the mark as shown.

FOR FRESH CITRUS FRUITS.
Claims use since January 1932.

Reg. No. 436,203. Registered Jan. 27, 1948. L. C. GROVER, San Francisco, Calif. Republished by registrant.



The words "Treat" and the representation of the label are disclaimed apart from the mark as shown.

FOR CANNED VEGETABLE JUICES—NAMELY, CANNED TOMATO JUICE.
Claims use since November 1946.

Reg. No. 437,276. Registered Mar. 9, 1948. MARYIME MILLING CO., INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

HI-TEST

FOR DAIRY FEED AND HOG FEED.
Claims use since Nov. 1, 1918.

Reg. No. 438,521. Registered Apr. 27, 1948. KRAFT FOODS COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

KRAYLETS

FOR FEED SUPPLEMENT COMPOSED OF EIGHTY PERCENT MILK PRODUCTS AND THEIR BY-PRODUCTS.
Claims use since Dec. 21, 1945.

Reg. No. 438,544. Registered Apr. 27, 1948. KELCO COMPANY, San Diego, Calif., a corporation of Delaware. Republished by registrant.

DRICOID

FOR ALGIN-EMULSIFIER COMPOSITION POSSESSING STABILIZING, EMULSIFYING, BODYING, SUSPENDING, AND WATER-HOLDING PROPERTIES IN DAIRY PRODUCTS SUCH AS ICE CREAM, SHERBETS, CHOCOLATE MILK, AND CHEESE AND OTHER FOOD USES.
Claims use since about Mar. 31, 1947.

Reg. No. 438,550. Registered Apr. 27, 1948. VALLEY PRODUCE DISTRIBUTORS, Phoenix, Ariz., a firm. Republished by registrant.



FOR FRESH VEGETABLES.
Claims use since Dec. 20, 1930.

Reg. No. 438,589. Registered May 4, 1948. RODDENBERRY-MOLICA COMPANY, Delano, Calif., a corporation of California. Republished by registrant.

Delagold

FOR FRESH GRAPES AND MELONS.
Claims use since June 26, 1946.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 94,240. Registered Nov. 18, 1913. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn. Republished by Minneapolis Brewing Company (1933), Minneapolis, Minn., a corporation of Minnesota.

Grain Belt

FOR BEER.
Claims use since Dec. 23, 1895.

Reg. No. 309,099. Registered Jan. 2, 1934. THE FITGER COMPANY, Duluth, Minn., now by change of name Fitger Brewing Company. Republished by Fitger Brewing Company, Duluth, Minn., a corporation of Minnesota.

FITGER'S NATURAL

The showing of the star is lined to indicate the color red.

FOR MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT.
Claims use since 1904.

Reg. No. 309,100. Registered Jan. 2, 1934. THE FITGER COMPANY, Duluth, Minn., now by change of name Fitger Brewing Company. Republished by Fitger Brewing Company, Duluth, Minn., a corporation of Minnesota.

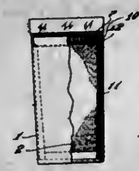
NATURAL

FOR MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT.
Claims use since 1914.

REISSUES

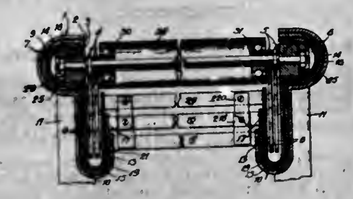
MAY 3, 1949

23,106
DOUBLE WALL VESSEL
Russell A. Gulick, Lyanfield, Mass., assignor, by mesne assignments, to Stator Corporation, a corporation of Rhode Island
Original No. 2,448,589, dated September 7, 1948, Serial No. 493,371, July 3, 1943. Application for reissue February 24, 1949, Serial No. 78,121
5 Claims. (Cl. 215—13)



4. In the manufacture of double-wall vessels of the type having nested inner and outer containers of ceramic material which comprises narrow upper end portions and wide lower body portions, the upper end portions having inner and outer opposing surfaces with a narrow space therebetween and the lower body portions also having inner and outer opposing surfaces with a space therebetween, the method which comprises fire-coloring a surface of the outer container throughout only the relatively narrow annular zone substantially coextensive with the width of its said narrow upper end portion, fire-coloring the outer surface of the inner container throughout at least the relatively narrow annular zone substantially coextensive with the width of its said narrow upper end portion and applying a band of cementitious material in said narrow space between said narrow upper end portions to seal the space and bond the containers together.

23,107
EXTENSIBLE CONVEYER
Leslie A. Mapes, Palisade, N. J.
Original No. 2,445,960, dated July 27, 1948, Serial No. 662,717, April 17, 1946. Application for reissue December 14, 1948, Serial No. 65,278
5 Claims. (Cl. 193—35)



3. In a conveyor, the combination of a plurality of sections, each section including a pair of side casings, the side casings of the successive sections on each side forming a set telescopically slidable into one another, each of said side casings having an upper laterally extending U-shaped portion and a downwardly extending U-shaped portion, crossbars connecting each pair of side casings to one another, cargo supporting rotatable means, shafts operatively associated with said rotatable means, rollers on the ends of said shafts being rotatably mounted in the laterally extending U-shaped portions, chains connected at their ends to the free ends of the end side casings, said chains including links each link being connected at one end to a shaft and having a slot to slidably receive a succeeding shaft, the slots in said links cooperating with said shafts to enable said sections to be telescoped into one another in closed position when said links will be suspended in said downwardly extending U-shaped portions, the slots also cooperating with said shafts to enable said sections to be extended into expanded or open position, and stops on some of the crossbars engaging adjacent crossbars of adjacent sections in expanded position and engaging other adjacent crossbars of adjacent sections in closed position to determine the open and closed position of the sections.

23,108
AXIAL BLOWER
Edward A. Stalker, Bay City, Mich.
Original No. 2,405,768, dated August 13, 1946, Serial No. 490,415, June 11, 1943. Application for reissue February 17, 1949, Serial No. 77,041
12 Claims. (Cl. 230—122)



1. In an axial flow blower, an enclosing casing, a blade having a basic airfoil section whose maximum thickness lies between stations at 40 per cent and 60 per cent of the chord length from the leading edge and whose upper contour ahead of the maximum thickness ordinate lies in major part within boundary curves whose mean curve is an elliptic quadrant passing through the nose point of the section and the end point of the said maximum thickness ordinate, said maximum thickness ordinate serving as the minor semi-axis of said quadrant, the outer curve of said boundary curves being an auxiliary elliptic quadrant passing through said nose point and the end of an auxiliary minor semi-axis at the 0.3 point of the chord and extending on to the outer end of said maximum thickness ordinate, said auxiliary minor semi-axis being equal to one-half the said maximum thickness of the said airfoil section, and means to mount said blade within said casing to induce a flow therethrough.

PATENTS

GRANTED MAY 3, 1949

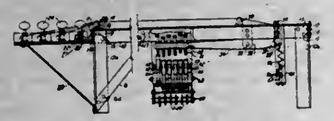
2,468,724
WRINKLE FLEXIBLE MATERIAL WITH RUBBER SOLUTION COATING
Nathan T. Beynon, Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 21, 1946, Serial No. 656,173
8 Claims. (Cl. 117—161)

1. The method of manufacturing flexible, wrinkle-coated materials comprising the steps of mixing at room temperature 100 parts by weight of unsaturated fatty oil with varnish solvent and a solution of 40 parts by weight synthetic rubber selected from the group consisting of butadiene styrene copolymer, butadiene acrylonitrile copolymer and neoprene, applying the mixture thus obtained to a base material, and subjecting the coated material to drying at substantially 130° F. for approximately 30 minutes and then at substantially 180° F. for a period of from about 30 to 60 minutes.

2,468,725
PREPARATION OF LONG-CHAIN ESTERS OF BETA-THIODIPROPIONIC ACID
William F. Gresham and Myers F. Gribbins, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 8, 1947, Serial No. 740,268
5 Claims. (Cl. 260—481)

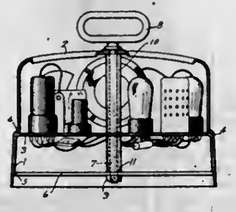
5. A process for the preparation of a substantially odorless and tasteless monohydric alcohol ester of beta-thiodipropionic acid, the alcohol containing 10 to 24 carbon atoms, which comprises heating a lower dialkyl ester of beta-thiodipropionic acid with a monohydric alcohol containing 10 to 24 carbon atoms in the presence of an acid catalyst while withdrawing the lower boiling alcohol formed, the reaction being conducted at a temperature below 250° C.

2,468,726
MUSICAL INSTRUMENT
George Barr, New York, N. Y., assignor to Frank C. Allen, Jr., Pelham Manor, N. Y.
Application June 9, 1945, Serial No. 598,523
14 Claims. (Cl. 84—312)



1. In a musical instrument having a string fixedly anchored at both ends and passing over two bridge members and including means for normally tuning the string, a tensioning member connected to the string between one of said anchored ends and its associated bridge member, a series of adjustable elements on the member, and a corresponding series of manually operable elements adapted to be moved into engagement with the selected ones of said adjustable elements one at a time to pull down on said string thereby to vary the tension in the string by predetermined amounts.

2,468,727
SECTIONAL RADIO CABINET
Joseph J. Bauman, Chicago, Ill., assignor to Kurz-Kasch, Inc., Dayton, Ohio, a corporation of Ohio
Application June 14, 1944, Serial No. 540,265
14 Claims. (Cl. 250—16)

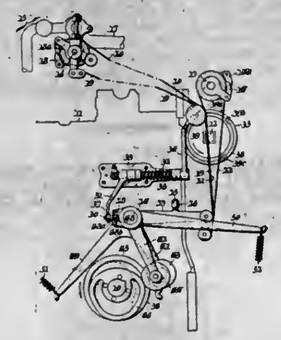


1. A radio cabinet, including a base section and a dome or cover section both molded from plastic material and interchangeable with other similar sections of different color or of different ornamental design to afford sundry combinations of distinctive appearance, a horizontal instrument panel forming a top for the base section and adapted to support sundry elements of radio equipment, a bottom for the base section of nonfragile substantially rigid material, a tie bolt extending through the dome or cover, the instrument panel and the base bottom, a handle attached to the top end of the tie bolt and a nut on the lower end thereof beneath the base bottom, the construction and arrangement being such that the weight of the assembly when carried by the handle is sustained entirely by the tie bolt and the base bottom, independently of any tension strains on the base or dome.

2,468,728
RACKING MECHANISM FOR KNITTING MACHINES
Emil J. Berger and Howard K. West, Lansdale, Pa., assignors to The Dexdale Hosiery Mills, Lansdale, Pa., a corporation of Pennsylvania
Application October 15, 1947, Serial No. 779,948
6 Claims. (Cl. 66—89)

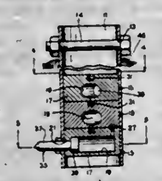
1. Racking mechanism for a knitting machine having a main cam shaft and a narrowing screw spindle, said mechanism including a ratchet wheel on the spindle, a pawl bodily oscillatable about the spindle to act upon the ratchet wheel, a lever fulcrumed to rock on a fixed axis, interposed operating connections between the pawl and the lever, a pair of rotary cams on the main

cam shaft, two arms adapted to be motivated by the respective cams, and clutch means for selec-



tively connecting the lever to one or the other of the two arms for actuation thereby.

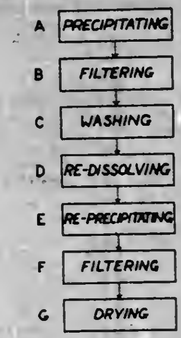
2,468,729
ANCHORAGE
Eric A. Black, Red Bank, N. J.
Application October 5, 1945, Serial No. 620,619
2 Claims. (Cl. 189—92)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an anchorage, a hollow pile, a fluke pistol member snugly fitting within said pile and positionable slidably within said pile, said pistol member including a projectile having a fluke and a head of greater diameter, explosive means to propel the fluke through the wall of the hollow pile, and means within the pistol member to retain the head within the pistol member.

2,468,730
METHOD OF PURIFYING CASEIN
Richard J. Block, Scarsdale, and Hartley W. Howard, Irvington, N. Y., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey
Application October 19, 1945, Serial No. 623,250
6 Claims. (Cl. 260—120)

1. In a process for preparing purified casein, the steps comprising adjusting an aqueous solution of casein which has a pH above 6 to a pH between 4.0 and 6.0 and thereby precipitating casein, separating the precipitate from the filtrate, suspending the precipitate in an aqueous medium, then adding sufficient sulfur dioxide gas thereto so as to adjust the pH to about 1.9 and thereby form a colloidal sol of the casein, and finally re-precipitating said casein by ad-



justing the pH to between 4.0 to 6.0, thus producing a purified product.

2,468,731
PRODUCTION OF ORNAMENTED EMBOSSED ARTICLES
Gustave W. Borkland, Marion, Ind.
Application April 26, 1946, Serial No. 665,293
1 Claim. (Cl. 41—24)



Method of producing an ornamented embossed thermoplastic article which comprises the steps of suitably heating a sheet of permanently thermoplastic material having the property of returning to the flat condition when heated after shaping; drawing it into the desired contour and cooling it to effect retention of said contour; applying a decorative coating to selected embossed areas of the thus produced embossed article; re-heating said article to effect its reconversion into a substantially flat sheet, whereby the applied coating will assume a pattern corresponding substantially to a projection of the embossed areas of said article; photographing the re-flattened sheet and from the image obtained producing a printing-plate; imprinting a second sheet of thermoplastic material with a reproduction of said pattern by means of said plate; and embossing said second sheet to produce a reproduction of the original decorated embossed form.

2,468,732
TEETH CLEANING UNIT
Marcel Boulicault, St. Louis, Mo.
Application August 27, 1945, Serial No. 612,783
7 Claims. (Cl. 132—84)

1. A teeth cleaning unit including in combination, a brush section and a hollow handle section, said brush section comprising a brush stem supporting the brush bristles secured at one end thereof to one end of said hollow handle section, said hollow handle section being open at the opposite end thereof and having a compartment for the reception of dentifrice, a dentifrice dispenser having a dentifrice receiving casing adapted to removably telescope into the dentifrice compartment of said hollow handle section, said dentifrice dispenser having a head portion as a

part thereof providing a closure for the lower end of said handle section, said dentifrice dispenser being bodily removable from said handle section



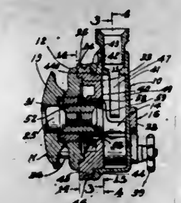
for application of dentifrice to the brush bristles of said brush section as secured to one end of said handle section.

2,468,733
TEETH CLEANING UNIT
Marcel Boulicault, St. Louis, Mo.
Application April 24, 1946, Serial No. 664,614
14 Claims. (Cl. 132—84)



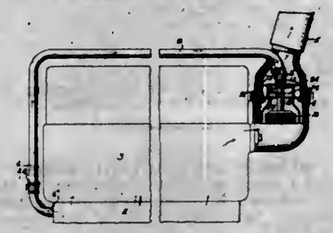
1. A teeth cleaning unit including in combination, a tubular handle section having a brush compartment and a dentifrice compartment, a brush section comprising a brush stem supporting the brush bristles and a base portion at the base end of the brush stem, said base portion providing a closure for the brush compartment of the tubular handle section, means associated with said base portion for detachably securing said brush section to said tubular handle section in use position, means associated with said base portion for detachably securing the brush section to the handle section with the brush stem and brush bristles in housed position within the brush compartment of said handle section, a drying compartment having a perforated wall presenting passages through which moisture in the brush compartment may flow into said drying compartment when the brush stem and brush bristles are in housed position within said brush compartment, a dentifrice holder including a head portion providing a closure for the dentifrice compartment of said tubular handle section, said head portion having means for containing and supporting a dentifrice, and means for detachably securing said head portion to the tubular handle section with the dentifrice supported thereby in housed position within the dentifrice compartment.

2,468,734
VARIABLE DELIVERY ROTARY PUMP
David O. Brant, Beverly Hills, Calif.
Application January 26, 1946, Serial No. 643,613
7 Claims. (Cl. 103—120)



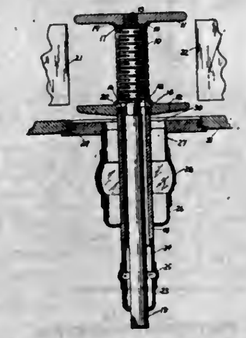
1. In a variable delivery pump, a casing having radial intake and discharge ports, said casing being open at one end only, a rotor mounted within said casing and having a drive shaft extending axially therefrom through the open end of the casing, an end closure for said casing mounted to rotate concentrically about said shaft, said closure engaging and being rotatable with relation to the open end of the casing about a center eccentric to the axis of the shaft, whereby turning of the closure enables selective eccentric adjustment of the casing relative to the rotor.

2,468,735
THERMOSTAT CONTROLLED MEANS FOR MAINTAINING DUAL TEMPERATURE IN MOTORS
Jacob Z. Brubaker, Manheim, Pa.
Application August 18, 1945, Serial No. 611,302
4 Claims. (Cl. 123—178)



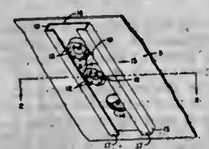
1. In a thermostatically controlled automatic dual temperature system for internal combustion engines, the combination of a cylinder head block having a water jacket, a cylinder head having a water jacket in communication with the said cylinder block water jacket, a radiator, a conduit extending from the cylinder head water jacket to the radiator and having a thermostatic valve therein, a continuously open conduit through which water from the water jacket of the cylinder block may flow into the conduit which leads from the cylinder head to the radiator, but subject to the control of the thermostatic valve, a conduit from the radiator to the adjacent end of the water jacket of the cylinder block, a continuous open conduit from the water jacket of the cylinder block communicating with the thermostat whereby the action of the thermostat controls and stops the flow of cooling liquid in said conduit.

2,468,736
SLOTTED CATHODE STRUCTURE
Benjamin J. Butler, West Roxbury, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 13, 1946, Serial No. 676,550
2 Claims. (Cl. 250—27.5)



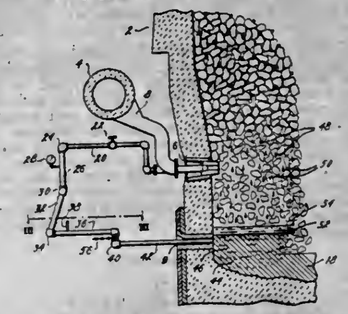
1. A cathode, comprising a hollow substantially cylindrical metal member having a plurality of substantially parallel slots in the surface thereof, said slots extending transversely to the axis of said member, said slots being arranged in a plurality of rows spaced longitudinally with respect to said axis with each row being constituted by a plurality of circumferentially-spaced slots, and a substantially stiff low resistance rod axially disposed within said hollow member and rigidly connected electrically and mechanically to one end thereof.

2,468,737
ELECTRICAL CONNECTING FIXTURE
Thomas McL. Davis, Washington, D. C.
Application April 7, 1945, Serial No. 587,200
4 Claims. (Cl. 174—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In high frequency radio apparatus comprising vacuum tube components and sockets therefor; the combination of, a main chassis member apertured to receive the vacuum tube sockets, a low impedance high frequency conducting channel plate mounted on said chassis and formed with apertures therein registering with corresponding apertures in said chassis, and conducting means for connecting predetermined terminals of said sockets to said channel plate.

2,468,738
METHOD OF BLOWING IN BLAST FURNACES
Walter W. Durfee and John P. Foley, Lorain, Ohio, assignors to National Tube Company, a corporation of New Jersey
Application January 15, 1947, Serial No. 722,174
4 Claims. (Cl. 75—41)

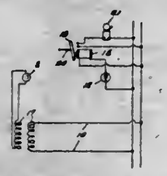


3. The method of blowing in a banked blast furnace comprising sealing the tuyères, lighting the furnace burden in the vicinity of the iron notch, blowing through the iron notch a substantial quantity of hot blast air enriched with an appreciable percentage of oxygen for a substantial length of time, thereupon unsealing tuyères in the vicinity of the iron notch and introducing substantial quantities of hot blast air therethrough, continuing the blast at the iron notch, such combined blowing operations being continued until a substantial quantity of molten iron is obtained on the hearth, discontinuing the iron notch blast, drawing off the molten iron, unsealing the remainder of the tuyères, and resuming normal operation by blowing blast gas through the tuyères.

2,468,739
CONDENSATION OF OLEFINIC COMPOUNDS WITH HYDROGEN SULFIDE
John L. Eaton, Trenton, and John B. Fenn, Riverview, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 30, 1943, Serial No. 516,244
8 Claims. (Cl. 260—609)

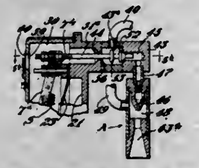
1. In the manufacture of mercaptans, the process comprising effecting contact in the fluid state at a temperature below 0° C. between a tertiary olefin having from 8 to 24 carbon atoms and a substantial proportion of hydrogen sulfide sufficient to condense with the olefinic compound to form a mercaptan as the principal resultant of the reaction, in the presence of as a catalyst at least one of the group consisting of boron fluoride, hydrogen fluoride, aluminum chloride and ferric chloride, the catalyst from the above-named group being the principal and essential catalytic constituent of the reaction mixture, and thereafter rendering the catalyst inactive by quenching the same with an aqueous quenching agent at a temperature below 0° C.

2,468,740
SMOKE ACTUATED FIRE ALARM
Walter J. Else, Everett, Wash.
Application December 11, 1946, Serial No. 715,441
2 Claims. (Cl. 177—311)



1. In a fire alarm device, the combination, with a pair of spaced holders, a light source carried by one holder, a photoelectric cell carried by the other holder, and an alarm in circuit with the light source and photoelectric cell and adapted to be actuated by smoke passing between the source and cell, of a means for permitting smoke to pass freely between the holders while yet preventing the passage of any solid matter, said means comprising a protective guard formed of open mesh screen wire material throughout, and secured at its ends to the respective holders and extended therebetween.

2,468,741
BREATHING APPARATUS
John H. Emerson, Cambridge, Mass.
Application December 12, 1944, Serial No. 567,806
18 Claims. (Cl. 128—29)



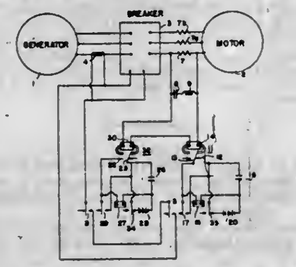
1. An artificial resuscitator of the kind which includes a face mask, a case which houses a pressure motor including a movable element which is sensitively responsive to lung pressure and which defines one wall of a motor chamber, a single, rigid tubular connection uniting the mask and case, said connection having a single constantly open passage affording communication between the interior of the mask and said motor chamber, an aspirator device within the case, said aspirator device having a nozzle and a delivery throat, a conduit leading to the interior of the case for supplying pressure fluid, the case also housing reciprocating valves and snap-action means for transmitting motion from said movable motor element to the valves, the resuscitator being of the kind wherein gas under pressure supplies the energy for inflating and for deflating the lungs and for operating the pressure motor, characterized in that the case which houses the aspirator, pressure motor, and motion-transmitting means is of a size such that it may be held in the palm of one hand, and means within the case defining flow passages controlled by the aforesaid valves, one of said passages being so arranged as to deliver gaseous medium from the source of supply directly to the motor chamber, and another passage being so arranged as to deliver gaseous medium from the source of supply to the inlet of the aspirator nozzle, the passages, valves and motion-transmitting mechanism being so constructed and arranged that during inhalation fluid medium flows through said motor chamber in one direction and during exhalation fluid medium flows through the motor chamber in the opposite direction.

2,468,742
BABY BATHER
Roland W. Faulhaber, Monroeville, Ohio, assignor, by mesne assignments, to C. W. Norton, Jr., Chicago, Ill.
Application December 15, 1945, Serial No. 635,367
7 Claims. (Cl. 155—189)



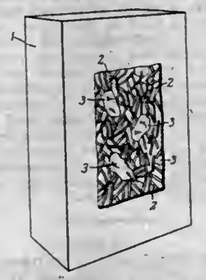
4. A safety cradle adapted to rest upon a substantially horizontal surface comprising a pair of relatively rigid frame members each frame member having a pair of longitudinally spaced foot portions joined by a generally U-shaped portion, a body engaging and supporting cross-member connected adjacent the central portion of said frame members, said cross-member serving to maintain said frame members in spaced relation, and body confining means cooperating with said cross-member to confine the occupant to the cradle.

2,468,743
PROTECTIVE SYSTEM
George E. Frost, Schenectady, N. Y.
Application January 15, 1946, Serial No. 641,367
12 Claims. (Cl. 318—447)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



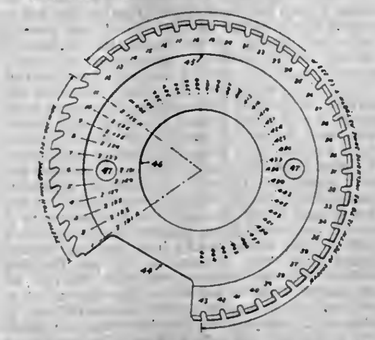
1. In an electric system, a generator of alternating electromotive force, a utilization circuit including a dynamo electric machine connected to said generator to derive energy therefrom, a disconnecting device interposed in circuit relationship with said generator and said circuit, elements to open said disconnecting device on predetermined current flow therethrough to disconnect said generator and said circuit, and relay mechanism responsive to low frequency components of current flow through said device to block operation of said elements and prevent accidental opening of said device upon starting said machine.

2,468,744
PACKAGED FOOD COMPOSITION
Stephen L. Galvin, North Bergen, N. J., assignor to Continental Foods, Inc., Hoboken, N. J., a corporation of Illinois
Application April 24, 1945, Serial No. 589,956
3 Claims. (Cl. 99—171)



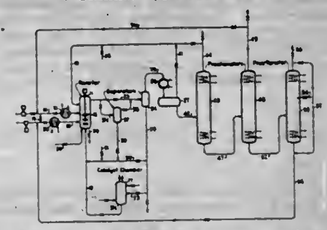
1. A packaged food composition adapted to make soup and comprising a soup base including amino acid material and carbohydrate material, said base having an initial moisture content not exceeding about 1.5 per cent by weight, another edible ingredient which is capable of accelerated drying by elevated temperature without deterioration and having its initial moisture content not exceeding about 8 per cent by weight to rob moisture from said soup base through the atmosphere within the package whenever its moisture content tends to exceed said critical value and a container enclosing said base and pre-dried ingredient and sealing them substantially moisture-tight from contact with the atmosphere.

2,468,745
BROACHING CUTTER
John C. Garand, Springfield, Mass.
Application September 23, 1944, Serial No. 555,566
3 Claims. (Cl. 29—95.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A broaching cutter for producing undercut arcuate slots in a workpiece comprising a substantially circular body portion, said body portion having a peripheral opening arranged to permit insertion of a workpiece therein, a plurality of depth cutting teeth disposed in spaced relationship about the periphery of said body portion and transversely thereto, a first group of cutting teeth having each tooth successively greater radially displaced than the preceding cutting tooth and a successive group of said cutting teeth having cutting edges disposed on the sides thereof, each of said side cutting edges projecting outwardly with respect to said body portion to a greater extent than the preceding cutting edge.

2,468,746
PRODUCTION OF IMPROVED DIESEL ENGINE FUELS BY THE CATALYTIC ISOMERIZATION OF HIGH BOILING PARAFFINS
Bernard S. Greensfelder, Oakland, and Robert J. Moore, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 5, 1946, Serial No. 701,488
7 Claims. (Cl. 260—683.5)



7. A process for the conversion of normally liquid straight and branched chain paraffins having at least ten carbon atoms to the molecule to branched and more highly branched paraffins respectively having the same molecular weight as said paraffins charged in the absence of any substantial hydrocarbon decomposition which comprises contacting said normally liquid paraffin hydrocarbons at a temperature of from about 20° C. to about 150° C. and in the presence of a hydrocarbon decomposition suppressor consisting essentially of a saturated cyclic hydrocarbon present in an amount at least equal by weight to said normally liquid paraffins with a preformed metal halide complex obtained by the interaction of a metal halide of the Friedel-Crafts type with an organic compound.

2,468,747
INTERPOLYMERS OF DRYING OILS, MONO-ALKENYL-AROMATIC HYDROCARBONS, AND DIVINYLBENZENE
Gerald A. Griess and Arthur S. Teot, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application June 25, 1947, Serial No. 757,064
11 Claims. (Cl. 260—23)

1. A method of making a clear varnish resin that is readily soluble in toluene which method comprises interpolymerizing in the substantial absence of solvents: (a) a drying oil having less than 35 per cent of its olefinic linkages conjugated, (b) a polymerizable mono-alkenyl-aromatic hydrocarbon material wherein each mono-alkenyl-aromatic component contains from 8 to 10 carbon atoms in the molecule and comprising styrene as its major component, and (c) divinylbenzene, the divinylbenzene and the mono-alkenyl-aromatic hydrocarbon material being employed in amounts corresponding to between 0.5

and 5 per cent and between 30 and 60 per cent, respectively, of the combined weight of the polymerizable organic components and the polymerization being carried out at temperatures between 100° and 200° C. to a point at which at least 80 per cent by weight of the alkenyl-aromatic compounds are reacted.

2,468,748

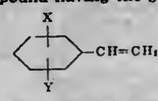
DRYING OIL-STYRENE INTERPOLYMERS

Gerald A. Griess and Arthur S. Teot, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

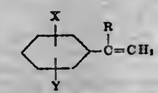
No Drawing. Application September 26, 1947, Serial No. 776,400

13 Claims. (Cl. 260—23)

1. In a method for making a varnish resin, the step of interpolymerizing from 30 to 90 parts by weight of drying oil, having an average degree of conjugation not greater than would correspond to 35 per cent of its total olefinic unsaturation, and from 70 to 10 parts of a mixture consisting of from 50 to 80 per cent by weight of a monovinyl aromatic compound having the general formula:



and from 50 to 20 per cent of an alpha-methylene alkyl aromatic compound having the general formula:



in which formulas X and Y each represents a member of the group consisting of hydrogen, halogens and lower alkyl radicals containing not more than three carbon atoms and R represents an alkyl radical containing not more than two carbon atoms, by heating the polymerization mixture at temperatures between 120° C. and 300° C.

2,468,749

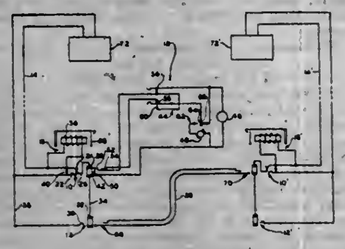
TELEPHONE SWITCHBOARD SYSTEM

Bernard C. Groh, Orange, N. J., assignor to the United States of America as represented by the Secretary of War

Application November 8, 1945, Serial No. 627,082

2 Claims. (Cl. 179—51)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A telephone switchboard system comprising means terminating a plurality of telephone lines, means whereby a signal impressed on one of said lines may be evidenced at the switchboard, an operator's set adapted to be connected to said line whereby communication may be had through a switchboard operator to the said line, means whereby a second line may be connected to the first named line through said operator's set, ringing means integral with said operator's set whereby a signal may be impressed on said second named line, said ringing means comprising a generator connected across said second named line through a normally-open switch, said generator including means whereby the said switch will close when the generator is operated, whereby operation of said generator will impress a ringing signal on said second named line, and the said operator's set further including ringback key means whereby the said generator may be placed across said first named line in order to ringback said first named line.

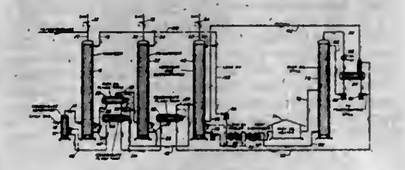
2,468,750

METHOD OF SEPARATING HYDROCARBONS

George Louis Gudenrath, Houston, Tex., assignor to Hudson Engineering Corporation, Houston, Tex., a corporation of Texas

Application May 12, 1945, Serial No. 593,490

4 Claims. (Cl. 196—8)



1. The method of separating C_2 and higher hydrocarbons from high pressure gas comprising separating a condensate by retrograde condensation from the gas, passing the uncondensed gas into the bottom of an absorption tower and upwardly through an absorption oil passing down through the tower, removing substantially only C_1 hydrocarbon from the top of the tower, removing a rich oil from the bottom of the tower, reducing the pressure on the rich oil and passing it into the bottom of an absorption section of a second tower, passing absorption oil downwardly through the second tower to join the rich oil from the first absorption tower, passing the resulting mixture of absorption oils downwardly through a stripping section of the second tower, introducing near the bottom of the stripping section hydrocarbon vapors composed principally of C_2 and higher hydrocarbons and passing the vapors upwardly through the tower, removing substantially only C_1 hydrocarbon from the top of the second tower, flashing the condensate with pressure reduction down to the pressure existing in the second absorption tower, passing vapors released from the condensate by the flashing operation into the second tower with the rich oil from the first tower, removing the rich oil mixture from the stripping section and distilling it to recover C_2 and higher hydrocarbons overhead, partially condensing said overhead to produce a distillate and a lower boiling point vaporous fraction, passing said vaporous fraction into contact with the flashed unvaporized condensate to displace low boiling hydrocarbons therefrom and to obtain said vapors composed principally of C_2 and higher hydrocarbons which are introduced into the stripping section of the second tower.

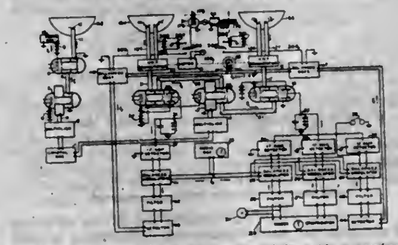
2,468,751

OBJECT DETECTING AND LOCATING SYSTEM

William W. Hansen, Garden City, and Russell H. Varian, Bellmore, N. Y., assignors to The Sperry Corporation, a corporation of Delaware

Application January 14, 1942, Serial No. 426,986

12 Claims. (Cl. 343—7)



2. In an object detecting and locating system, directive radiator means adapted to project electromagnetic energy at an object, receiver means having partially overlapping lobes of reception, said receiver means serving to receive some energy directly from said radiator means and some as reflected from the object and serving to detect any difference frequency, and servo means responsive to said difference frequency for orientating said receiver means to maintain a detected object substantially on the bisector of the angle extending between the axes of symmetry of said lobes of reception.

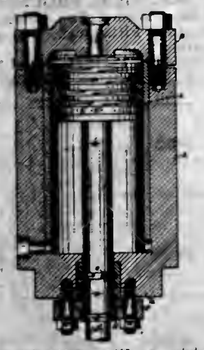
2,468,752

PISTON ROD PACKING

August H. Heinrich, Euclid, Ohio, assignor to Auto Diesel Piston Ring Company, Cleveland, Ohio, a corporation of Ohio

Application February 25, 1946, Serial No. 649,894

5 Claims. (Cl. 286—20)



1. The combination with a piston rod and means providing an annular groove surrounding the rod and a composite packing ring occupying the groove and tending to contract about the rod, said composite ring comprising two interlocking members each nearly completely annular but having a gap, each member extending through the other at the gap so that each member lies above the other in the one region and below the other in another region, the mating surfaces of the two rings being circumferentially inclined in opposite directions.

2,468,753

BLEACHING OILS AND FATS

Lloyd F. Henderson, Reading, and Louis H. Libby, Boston, Mass., assignors to Lever Brothers Company, Cambridge, Mass., a corporation of Maine

No Drawing. Application May 15, 1945, Serial No. 593,960

19 Claims. (Cl. 260—423)

1. A process of bleaching dark colored oil and fat stocks, which comprises treating said stock with an acidic phosphoric compound selected from the group consisting of orthophosphoric acid, pyrophosphoric acid and acidic salts thereof, and oxygen in the presence of a silicate radical containing inhibitor.

2,468,754

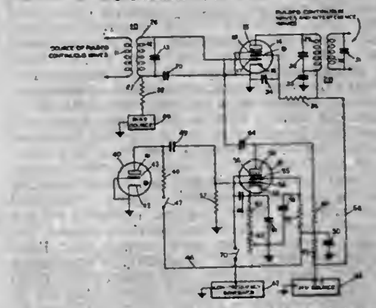
DISCHARGE WAVE GENERATOR

Donald L. Hings, Ottawa, Ontario, Canada, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware

Application August 6, 1945, Serial No. 609,259

In Canada July 20, 1945

6 Claims. (Cl. 332—64)



1. In combination, an amplifier-modulator for amplifying pulsed continuous waves having off and on periods producing alternating spacer and marker intervals, a gaseous-discharge wave generator for producing high frequency discharge-waves, a load responsive to said discharge-waves connected to said amplifier-modulator, and means for injecting the high-frequency discharge-waves into the said amplifier-modulator for producing in said load said high-frequency discharge-waves at least during the spacer intervals.

2,468,755

FATTY ACID AMINE SALT COMPOSITION

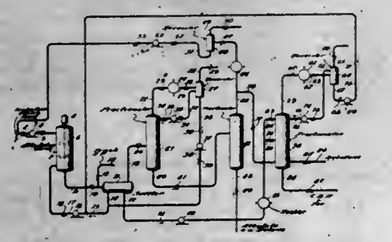
Charles W. Hoerr, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application May 14, 1947, Serial No. 748,119

12 Claims. (Cl. 252—61)

1. An aqueous fluid composition comprising a solution of a brine having the formula A_xB_y, where A is an element selected from the group consisting of the alkali metals and alkali earth metals, B is an acid ion, and x and y are small whole numbers, and a salt of a fatty acid amine containing at least 10 carbon atoms with an acid selected from the group consisting of inorganic acids and organic acids having not more than 6 carbon atoms, said brine solution being from 25% to 70% saturated and said amine salt being in a concentration of from 3% to 15%.

2,468,756
HYDROGEN FLUORIDE RECOVERY PROCESS
John O. Iverson, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 24, 1944, Serial No. 527,916
10 Claims. (Cl. 260—683.4)



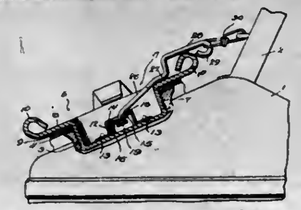
1. A process for the regeneration of a contaminated hydrogen fluoride catalyst containing water and relatively heavy organic material which comprises introducing said contaminated catalyst into the upper portion of a fractionating column, introducing preheated light hydrocarbon vapors into the lower portion of said fractionating column at a temperature sufficient to decompose organic fluorine compounds contained in said organic material and to vaporize hydrogen fluoride therefrom, passing said light hydrocarbon vapors upwardly in countercurrent contact with said contaminated catalyst, simultaneously stripping hydrogen fluoride vapors from said water and said heavy organic material by the upwardly flowing light hydrocarbon vapors, removing overhead from said column said light hydrocarbon vapors and substantially anhydrous hydrogen fluoride vapors, and withdrawing from the bottom of said column a liquid mixture of said heavy organic material, hydrogen fluoride, and water.

2,468,757
CLOSURE CAP TURNING MEANS
William B. Johnson, United States Army, Easley, S. C.
Application October 11, 1944, Serial No. 558,235
2 Claims. (Cl. 220—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



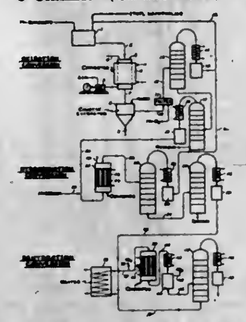
1. A rotary cap for closing the filling aperture of a container, comprising a circular plug-like body portion including a circular peripheral planar flange and a plurality of lugs integrally formed with the outer periphery of said circular planar flange and spaced substantially equidistantly from each other, each of said lugs extending outwardly for a substantial distance and upwardly from the outer periphery of said flange and doubling back on itself to form a loop providing a relatively large manually engageable contact plane extending substantially radially of said flange to provide leverage and facilitate manual application and removal of said cap.

2,468,758
RETAINING MEANS FOR CLOSURE CAPS
William B. Johnson, United States Army, Easley, S. C.
Application October 11, 1944, Serial No. 558,236
2 Claims. (Cl. 220—38.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



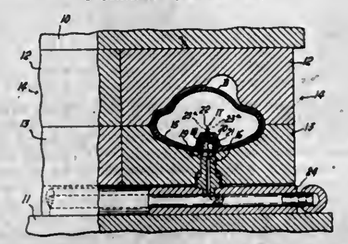
1. A closure cap for sealing the filling opening of a container, said closure cap comprising a body portion, one side of said body portion being adapted to engage said filling opening, a housing carried by the opposite side of said body portion, said housing having a circular central aperture, and the annular wall forming said aperture being turned downwardly and terminating in spaced relation to said body portion, and forming an annular flanged bearing surface, a retaining link pivotally connected to said housing through said aperture, said retaining link having an enlarged head positioned inside said housing, and said retaining link also having proximate said enlarged head a curved portion defining a turn substantially a quadrant of a circle, said head and said curved portion of said link contacting said flanged bearing surface and permitting universal swiveling movement of said link relative to said housing.

2,468,759
CHEMICAL PROCESS
Robert Johnson, Verona, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application July 13, 1945, Serial No. 604,806
5 Claims. (Cl. 260—669)



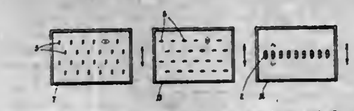
1. In a process for the manufacture of vinyl naphthalene the steps of acting upon ethyl naphthalene with oxygen in the presence of an oxidation catalyst at a reactive temperature below that at which substantial dehydration of methyl naphthyl carbinol occurs thereby to obtain a mixture of methyl naphthyl carbinol and methyl naphthyl ketone, acting upon the thus obtained mixture of methyl naphthyl carbinol and methyl naphthyl ketone with hydrogen in the presence of a hydrogenation catalyst at a reactive temperature below that at which substantial dehydration of methyl naphthyl carbinol occurs in order to reduce the methyl naphthyl ketone in the mixture to methyl naphthyl carbinol, and thereafter heating the methyl naphthyl carbinol as required to dehydrate it to vinyl naphthalene.

2,468,760
APPARATUS FOR PRODUCING HOLLOW RUBBER ARTICLES
David C. Kempthorn, Akron, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio
Original applications July 15, 1942, Serial No. 450,954, and March 31, 1944, Serial No. 528,880. Divided and this application November 26, 1945, Serial No. 631,368
3 Claims. (Cl. 18—35)



3. Apparatus for manufacturing a noise-making article of the character described, comprising a sectional cavity mold, a pin projecting inwardly of the surface of the mold cavity, said pin having thereon an enlargement in spaced relation to the surface of the mold cavity and a second enlarged portion in spaced relation to the first-mentioned enlarged portion, means for applying pressure to unvulcanized rubber or like vulcanizable stock received in the mold cavity under heat of vulcanization, thereby to form the stock about said pin and said spaced enlargements thereof.

2,468,761
METHOD OF GROWING P-TYPE SEED CRYSTALS
Bengt R. F. Kjellgren, University Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application July 5, 1946, Serial No. 681,505
9 Claims. (Cl. 171—327)



1. The method of growing seed crystals of a P-type substance which comprises the steps of providing artificial seed bodies severed from crystal growth of the said substance and having major faces extending transversely of the Z axis of the crystal growth; planting the seed bodies in a solution of the said substance conditioned to permit supersaturation of the solution to a higher degree without starting spurious crystallization than is possible without such conditioning; and causing a flow of the solution relative to the seed bodies in a direction about perpendicular to the Z axis of the seed bodies while progressively lowering the temperature of the solution until growth of at least some of the seed bodies to a superficially sound crystal form typical of the said P-type substance is effected.

2,468,762
ACYLATION OF AROMATIC ALKOXY COMPOUNDS
Alvin I. Kosak, Columbus, Ohio, and Howard D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application May 14, 1946, Serial No. 669,581
17 Claims. (Cl. 260—592)

1. A process for acylating phenyl alkyl ethers, comprising reacting the same with an acylating agent selected from the group consisting of acyl halides of carboxylic acids and anhydrides of carboxylic acids in the presence of a small amount not more than about 3 percent by weight of iodine.

2,468,763
BICYCLE STAND
Amaury J. Landry, San Francisco, Calif.
Application August 29, 1947, Serial No. 771,359
3 Claims. (Cl. 280—293)



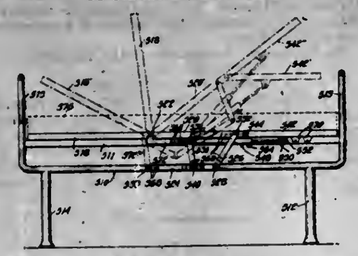
3. In combination with a bicycle, a stand for supporting the same, comprising a frame positioned beneath and against the crank arm bracket of the bicycle, means for removably securing the said stand frame to the frame of the bicycle, a leg pivotally secured to the stand frame, a coil spring for actuating the said leg, means for retaining the leg in an upright position, whereby the bicycle is supported, the said leg retaining means including a stop integral with the stand frame and a latch pivotally secured to and slidably supported in the stand frame, the said latch being resiliently controlled by the said spring that actuates the leg, a lever on the lower portion of the said latch extending beyond the said frame, the said lever being adapted to be abutted by a crank arm of the bicycle, when the bicycle is ridden, whereby the latch is moved inwardly and the leg is free to move to its inoperative position, and a stop for limiting the movement of the leg to define its inoperative position.

2,468,764
METHOD FOR DEHYDRATING AMYL ALCOHOLS
Pierre Alfred Laurent, Paris, France; vested in the Attorney General of the United States
No Drawing. Application June 6, 1945, Serial No. 597,942. In France May 28, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 28, 1961
3 Claims. (Cl. 260—682)

1. A method of making a mixture of amylenes rich in isopropylethylene and adapted to be polymerized to produce a lubricant, which comprises dehydrating isoamyl alcohols boiling from about

129° C. to 131° C. in the presence of an alumina catalyst by passing the vapors of the alcohol into contact with the catalyst at a temperature between 330° C. and 370° C. to produce a mixture of amylenes containing a major proportion of isopropylethylene.

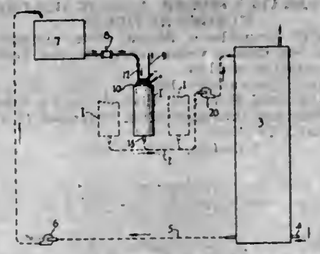
2,468,765
ADJUSTABLE BED FRAME
Anton Lorenz, Buffalo, N. Y.
Application October 11, 1944, Serial No. 558,241
14 Claims. (Cl. 5—69)



5. A bed unit, comprising: a support including longitudinal rails, a head-section, a central seat-section comprising a stationary portion and a portion movable relative thereto, a foot-section, said stationary seat-portion being rigidly maintained on said support, said head-section being pivoted to one end of the stationary portion of said central seat-section, said foot section being connected to one end of the movable portion of said central seat-section, said head-section, central seat-section and foot-section forming an articulated bed-bottom normally resting on said longitudinal rails in a substantially horizontal position with the sections substantially in alignment with each other, an extension arranged on said head-section, said extension projecting from said head-section beyond its pivotal connection with the central seat-section, a pair of connecting links including a first connecting link and a second lower connecting link normally arranged below the plane of said central seat-section, the upper end of said first connecting link being pivoted to the end portion of said movable seat portion adjoining the foot-section, the lower end of said first connecting link being pivoted to one end of said lower connecting link, a guiding link, the upper end of said guiding link being pivoted to said support at a point above the plane of said lower connecting link, the lower end of said guiding link being pivoted to a connecting link of said pair of connecting links, the other end of said lower connecting link being arranged for engagement with said extension of the head-section when the latter is swung into an elevated position, and means for a temporary pivotal connection between said other end of the lower connecting link and said extension of the head-section.

2,468,766
RECOVERY OF CHLORINE FROM HYDROGEN CHLORIDE
Frank S. Low, Bronxville, N. Y., assignor to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware
Application April 7, 1944, Serial No. 529,926
2 Claims. (Cl. 204—128)

1. In an electrolytic process for the recovery of chlorine values from hydrogen chloride in an electrolytic cell having a resistant anode and a porous cathode, the process comprising the steps of introducing a polyvalent reducible metal chloride aqueous solution containing from about 5 to 25% hydrogen chloride and from about 5 to 17% of reducible metal chloride into said cell, electrolyzing the polyvalent metal chloride from a higher state of valence to a lower state of valence at a substantially uniform current density across a substantially uniform electrolytic gap formed between the anode and cathode in said cell, withdrawing chlorine from the space between



the anode and cathode of said cell, withdrawing the partially reduced electrolyte from the cell only through the electrolytically active portion of the porous cathode which forms one wall of said cell, contacting the withdrawn aqueous solution containing hydrogen chloride with oxygen to re-oxidize the polyvalent metal chloride to said higher state of valence and produce water, returning the obtained solution to the space between the anode and cathode of said cell, and maintaining the hydrochloric acid content and polyvalent metal chloride content of said electrolyte as fed to the cell substantially constant.

2,468,767
FILM REEL CONSTRUCTION
Whitten P. Lloyd, Chicago, Ill., assignor to Excel Movie Products, Inc., Chicago, Ill., a corporation of Illinois
Application April 15, 1946, Serial No. 662,257
6 Claims. (Cl. 242—74)

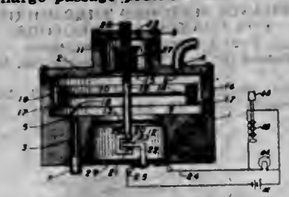


1. A film reel comprising a pair of substantially identical complemental members, each having a flange and hub portion, a tab struck out of one of said members and extending substantially across the width of the reel, the complemental member having a radial slot connecting with a slot in said tab, the said slots being arranged to receive a film laterally and to deform the terminal portion of the film substantially in an ogee curve to secure the same for winding on the reel.

2,468,768
MEANS TO INDICATE THE PRESENCE OF VAPOR IN FLUID CONDUIT SYSTEMS
Emil A. Malick, United States Navy
Application March 23, 1945, Serial No. 584,481
8 Claims. (Cl. 177—311)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. A device for indicating the presence of a mixture of vapor and liquid in a fluid conduit comprising a housing connected to said conduit

for fluid flow therefrom, a pair of chambers in said housing adapted to receive the fluid under pressure in sequential flow, a flexible diaphragm forming a common wall between said chambers, conduit means provided with restrictive orifices interposed between the two chambers adapted to create a pressure differential therebetween when the fluid is in motion, an inlet passage in said housing connected to one of the chambers, a discharge passage provided with a restrictive



orifice connected to the other chamber adapted to discharge liquid at or near its critical velocity and to thereby create a greater pressure differential between said chambers when a mixture of vapor and liquid passes through said last named orifice and means responsive to the movement of the diaphragm under said greater pressure differential adapted to indicate the presence of said mixture.

2,468,769
ADDUCTS OF UNSATURATED ACIDS WITH CYCLIC POLYMERS OF HEXADIENES AND PROCESSES FOR THEIR PRODUCTION AND UTILIZATION
Rupert C. Morris and John L. Van Winkle, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 9, 1944, Serial No. 562,743
12 Claims. (Cl. 260—342.4)

1. A process comprising bringing a compound selected from the group consisting of alpha,beta-unsaturated - alpha,beta - dicarboxylic aliphatic acids and anhydrides, salts and esters of said acids into reactive engagement at a temperature between 175° and 300° C. with a low molecular weight unsaturated cyclic polymer of a branch-chain 1,3-hexadiene having a straight chain of 5 carbon atoms in the molecule.

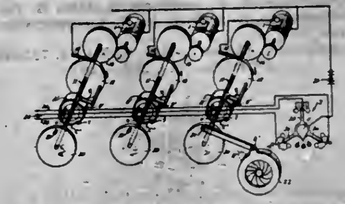
2,468,770
ROSIN-STYRENE INTERPOLYMERS
Earl D. Morris and Gerald A. Griess, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application March 1, 1946, Serial No. 651,378
7 Claims. (Cl. 260—23)

1. The interpolymer of (1) from 20 to 80 percent by weight of rosin and (2) from 80 to 20 percent of a mixture of a polymerizable nuclear monovinyl aromatic compound and a nuclear alpha-methylene-lower alkyl aromatic compound wherein the alpha-methylene-lower alkyl group contains from 3 to 4 carbon atoms in which the said monovinyl compound represents from 50 to 80 percent by weight of such mixture, the interpolymer having been prepared by heating the components together at a temperature above 150° C. but not exceeding the refluxing temperature of the polymerizing mass.

2,468,771
PROCESS OF PREPARING FIBERS AND YARNS
Ralph E. Montonna and Lloyd H. Reyerson, St. Paul, and Elias Amdur, Minneapolis, Minn., assignors to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application April 3, 1944, Serial No. 529,426
7 Claims. (Cl. 57—164)

1. The process of preparing fine linen yarns from mature, dry flax straw which comprises decorticating the straw to free the bast fibers from the shivey material and forming a roving of the bast fibers so separated, winding the roving on perforated bobbins, washing the roving with water for about five minutes at 100° C. by forcing the water through the roving on the bobbin, rinsing the roving in cool water and then draining it, then treating the roving with an oxidizing solution prepared by using .05 pound of sodium chlorite and .05 pound of acetic acid and 10 pounds of water for each pound of roving, dry weight, said oxidizing solution being pumped through the roving for about fifteen minutes while maintaining the temperature of the solution at about 95° C., rinsing the roving in plain cold water, treating the roving with about 10 pounds of approximately 1% sodium hydroxide solution by pumping the same through the roving for about one-half hour while maintaining the temperature at about 95° C. and then after rinsing the roving in cold water and while the roving is still wet, drafting and spinning the roving into linen yarn.

2,468,772
MULTIPLE LIMIT SWITCH DEVICE
William Mungall, Dayton, Ohio
Application April 23, 1945, Serial No. 589,836
4 Claims. (Cl. 318—467)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An electric motor-operated device comprising a plurality of separately rotatable units all adapted to have rotation arrested at the same selected one of a plurality of positions, each unit comprising a rotatable member and a nonrotatable cylinder coaxial with said rotatable member, the cylinder of each unit carrying a series of cylindrically positioned insulatedly spaced conductive segments, like segments of the cylinders of the several units being electrically joined together, a brush holder for each unit supported on and rotatable in unison with the rotatable member of said unit, a brush carried by each brush holder in continuous engagement upon rotation of the rotatable member of the unit with one after the other of the segments of the unit, a source of electrical energy, an electric motor for each unit having its windings electrically connected between the brush of the unit and one terminal of said source of electrical energy, a control switch

for all of the units, said control switch comprising a number of insulatedly spaced stationary contacts at least one being electrically connected to each conductive segment of a unit, and a movable conductive switch member electrically connected to the other terminal of the source of electrical energy and adapted to make electrical connection at the same time to all except any selected one of the stationary contacts of said control switch.

2,468,773
ILLUMINATING DEVICE
Joseph J. Musinski, Burbank, Calif.
Application November 7, 1945, Serial No. 627,259
10 Claims. (Cl. 240—10)



1. In an illuminating device, the combination which comprises a spiral flexible member capable of being collapsed axially into substantially flat form, a plurality of electrical light sockets fastened at spaced intervals along the spiral member, and at least one electrical conductor extending along the spiral member and electrically connected with the holders.

2,468,774
ELECTRICAL CIRCUIT BREAKER
Joseph F. O'Brien, Lebanon, and John B. Cataldo, Annandale, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application March 4, 1947, Serial No. 732,308
4 Claims. (Cl. 200—116)



1. In an electrical circuit breaker, throw means carrying an electric contact; movable supporting means carrying a second electric contact for make and break with said first contact; latch means normally maintaining said throw means in fixed position relative to said supporting means so that the said contacts are closed; resilient means operative to actuate said throw means in a direction away from said second contact; thermostatic means responsive to electrical overload for positively tripping said latch means, said means being disposed in the electric circuit governed by said contacts, and being effective to release said latch means upon a given condition of electrical overload in said circuit; a push button asscciated with said throw means and serving as a limit stop therefor in its thrown position so that pressing of said push button will re-set said throw means in its normal latched position; and means mechanically connecting said push button with said movable supporting means so that pressing of the push button will move said second contact out of range of the first.

2,468,775
IMPEDANCE MATCHED THERMOCOUPLE FOR COAXIAL CONDUCTORS
Paul J. Ovrebo, Dayton, Ohio
Application October 25, 1944, Serial No. 560,293
2 Claims. (Cl. 136—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



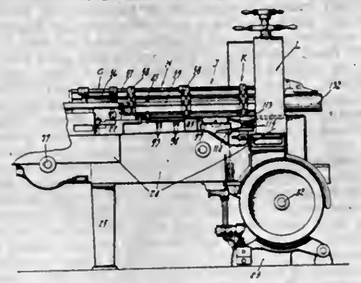
1. In a coaxial electrical conductor, an outer conductor threaded at its opposite ends to engage with coaxial line coupling elements, an inner conductor centrally disposed within the bore of said outer conductor, said inner conductor having contact members axially aligned and in spaced relation, dielectric spacer means concentrically retaining said inner conductor within the outer conductor and being threadedly assembled to said inner conductor to facilitate assembly and disassembly of the inner conductor with respect to the outer conductor, and a plurality of parallel, circumferentially-spaced thermocouples connected between said contact members to form a linear section of said inner conductor whereby said inner conductor has a small thermal capacity mass for thermocouple current measuring and a correct impedance virtual mass to match the impedance of the coaxial conductor of which it forms a part.

2,468,776
CUTTER ASSEMBLY FOR ROTARY PLOWS
Louis L. Patterson, Los Angeles, Calif.
Application December 17, 1946, Serial No. 716,733
11 Claims. (Cl. 97—219)



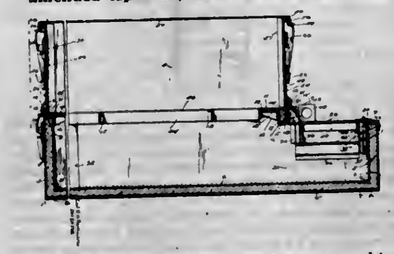
1. In a power driven plow, a rotatable shaft structure mounted in an adjacent overlying relation to the ground for being power driven, and a plurality of plow blades fixed to and spirally surrounding said shaft structure, said blades being divided into groups wherein the blades of each group are intercoiled and with adjacent groups occupying different sections of the length of said shaft structure, the blades of one group where the groups meet having at one end of each group a leading end portion which is fastened to the corresponding leading end portion of the adjacent end blade of the other of the two meeting groups.

2,468,777
CAN BODY MAKING MACHINE
John F. Peters, Leonia, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 8, 1943, Serial No. 513,428
7 Claims. (Cl. 93—52)



1. In a machine for making tubular fibre container bodies having marginal edge portions embodied in an adhesively secured side seam, the combination of means for preheating a marginal edge portion of a partially formed tubular container body, means for preheating the opposite marginal edge portions of said tubular body, means for applying a film of liquid thermoplastic adhesive onto one of said preheated edge portions of the body, means for bringing the adjacent marginal edge portions of said body together in overlapping relation with the adhesive interposed therebetween for bonding said edge portions into a side seam to produce a completed tubular container body, means for longitudinally advancing said body during and between all of the described operations, and means for holding one of said container marginal edge portions against transverse movement during said longitudinal advancement of the container body for the described operations thereon.

2,468,778
COOKING EQUIPMENT
Carl C. H. Rasmussen, Silver Spring, Md.
Application March 24, 1945, Serial No. 584,681
7 Claims. (Cl. 126—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a portable gaseous fuel burning cooking stove the combination comprising a heating compartment having thermally insulating bottom and side walls and an open top, means for supporting cooking utensils on said open top in position to cover the same, an auxiliary compartment projecting from and communicating with one end of said heating compartment, said last compartment having thermally insulating bottom and side walls and an apertured top, a baffle extending into said auxiliary and heating compartments, said baffle dividing said auxiliary compartment into a fire-box for housing a gaseous fuel burner insertable into said auxiliary compartment through said apertured top and into a smoke-box forming an exit for the gases of combustion, and said baffle dividing said heating compartment into two longitudinal passageways for hot gases of combustion from said fire-box to said smoke-box through said heating compartment, said passageways communicating with each other proximate the other end of said heating compartment, and one of said passageways communicating with said fire-box projecting from said heating compartment and the other passageway communicating with the smoke-box projecting from heating compartment, whereby a circuitous path for said hot gases beneath substantially the entire area of said open top is defined.

2,468,779
PRINTING INKS
Charles A. Rietz, Park Ridge, and Raymond F. Lecture, Chicago, Ill., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application April 28, 1945, Serial No. 590,952
2 Claims. (Cl. 260—33.2)

1. A typographic printing ink characterized by its ability to be set by the application of water to the film and by its stability at high humidities, which comprises pigment dispersed in a vehicle containing as binder a resinous glycerol ester of endo methylene tetrahydro-phthalic acid dissolved in a liquid water-soluble solvent of the group consisting of polyglycols and their monoethers.

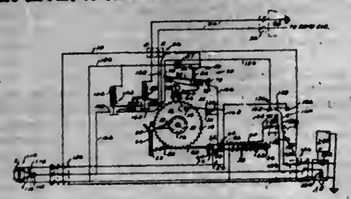
2,468,780
BOTTLE ATTACHMENT
John Rifen, Brainerd, Minn.
Application July 13, 1946, Serial No. 683,555
6 Claims. (Cl. 215—38)



5. A bottle carrier comprising in combination a body disposable upon the beaded lip of a bottle, depending lip underlying sides carried by said body, a carrying handle having horizontal pivot means inwardly of one end of said handle and pivoting same to said body, and a lip-engaging stop provided by said handle end outwardly of said pivot means, said stop being actuated to lip-engaging position when the handle is grasped to lift an attached bottle.

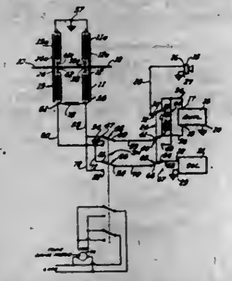
2,468,781
CAMERA CONTROL FOR BOMBARDMENT AIRCRAFT
Henry P. Roganti, Dayton, Ohio
Application August 14, 1946, Serial No. 690,431
8 Claims. (Cl. 161—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)
8. In a device for bombardment aircraft having a pulsating bomb release circuit, said device

comprising an aerial camera, an intervalometer for operating said camera at selected intervals, a counter adapted to be manually set to stop said intervalometer after the selected number of intervals has elapsed, electromagnetic means for operating said counter, switch means closable by operation of the first pulsation in the bomb release circuit to cause said electromagnetic means



to operate said counter through the first interval, switch means closable by operation of said counter through the first interval to cause said electromagnet to maintain operation of said counter through succeeding intervals, and switch means to prevent energization of said electromagnet to stop said counter when the selected number of intervals has elapsed.

2,468,782
INTERCHANGEABLE MAGNETIC TRANSDUCER AND SWITCHING SYSTEM
Donald E. Ross, Eagle Rock, and Willard E. Stofer, North Hollywood, Calif., assignors to Herman S. Heller, Los Angeles, Calif.
Application September 11, 1946, Serial No. 696,148
9 Claims. (Cl. 179—100.2)



6. A magnetic recording device using a ferromagnetic tape having a plurality of laterally displaced recording lanes thereon as a record medium, and which includes: reversible means to drive said tape; a first electro-magnet having a core adapted to bear against said tape; a second electro-magnet having a core adapted to bear against said tape at a point laterally aligned and longitudinally displaced on said tape with respect to said first mentioned core; a transducer; an oscillator; an amplifier; means operable to reverse said tape driving means; switching means comprising a plurality of switch sections operated in synchronism with said reversing means, each of said sections having a movable contact and a first and second fixed contact; means connecting said first fixed contact of one of said switch sections to said first electro-magnet; means connecting said second fixed contact of said switch section to said second electro-magnet; a resistor; means connecting one terminal of said resistor to said first electro-magnet and the other terminal of said resistor to said second electro-magnet; means connecting said second fixed contact of a second of said switch sections to said first electro-magnet; means connecting said first fixed contact of said second switch section to said second electro-magnet; a record-reproduce switch means comprising a plurality of switch section each having a movable contact adapted to complete a circuit to either of a first and second fixed contact; means connecting said transducer to said movable contact of a first switch section; means connecting said first fixed contact of said first switch section to the input of said amplifier; means connecting said second fixed contact of said first switch section to said output of said amplifier; means connecting said second fixed contact of a second switch section to said input of said amplifier; means connecting said first fixed contact of said second switch section to said output of said amplifier; means connecting said movable contact of said second switch section of said record-reproduce switch means to said movable contact of said first switch section of said first mentioned switch means; means connecting a first fixed contact of a third switch section of said record-reproduce switch means to said oscillator; and means connecting said movable contact of said third switch section of said record-reproduce switch means to said movable contact of said second switch section of said first mentioned switch means.

2,468,783
METHOD AND MEANS FOR CONNECTING COAXIAL CABLES
Herman C. Schwartz, New Milford, N. J.
Application May 23, 1945, Serial No. 595,378
2 Claims. (Cl. 174—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A coupling device for joining transmission lines, comprising a sleeve for slidably receiving an end of a transmission line to be joined, the transmission line and said sleeve having aligned axial bores of substantially equal inner diameters, whereby smooth electrical continuity between said sleeve and the transmission line is ensured, an enlarged recess in each end of the sleeve terminating in a tapered shoulder, a clamping device threadingly engaged in said recess, a bearing ring abutting said clamping device and having a conical seating face, said tapered shoulder and bearing ring in cooperation with the transmission line defining an annular chamber in said recess, a resilient gas-impervious seal and a resilient electrically conducting gasket interposed in said chamber between the conical seat of said bearing ring and the tapered shoulder of said sleeve, whereby actuation of said clamping device expands both said resilient seal and said resilient gasket into tight mechanical and electrical engagement with said sleeve and said transmission line.

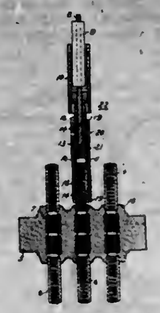
2,468,784
AUTOLOADING PISTOL
Hal E. Seagraves, Wilton, Conn.
Application September 2, 1944, Serial No. 552,456
4 Claims. (Cl. 89—195)



1. An autoloading pistol comprising a receiver, a barrel connected to the receiver, said barrel being oblong in vertical direction in cross-section, a grip member for the barrel and receiver having a space in the grip for a cartridge magazine, a breech bolt in the receiver, means for locking and unlocking the breech bolt in breech closing position with respect to the barrel, said means including a longitudinal space in the receiver and in the barrel above the bore extending from the rear of the receiver through the barrel, a part of the space in the barrel being a cylinder, a piston mounted in the cylinder, means extending rearwardly from and operatively connecting the piston to the breech bolt, a gas duct connecting the bore with the cylinder forward of the piston to admit gas from the bore to drive the piston rearwardly to unlock and move the breech bolt rearwardly and eject the empty case, and means for forcing the breech bolt and piston forwardly to locked breech closing position.

2,468,785
SCREWED SLEEVE ELECTRICAL CONNECTOR
William C. Sealey, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 7, 1944, Serial No. 521,307
4 Claims. (Cl. 173—328)

1. A connector comprising a conducting stud provided with an external thread on a portion thereof, a tubular terminal member provided with means integral therewith for receiving an electrical conductor internally of said terminal member in nondetachable electrical and mechanical connection therewith, said terminal member provided with an external thread on a portion thereof, said threads being oppositely directed, said terminal member threaded portion being provided with a reduced end portion wherein said conductor is fastened, whereby the fastening of said conductor is effected without disturbing the thread of said terminal member, a conductive sleeve member provided with portions having oppositely directed internal threads thereon, said oppositely threaded portions of said sleeve cooperable with said threaded portions on said stud and said terminal member, whereby relative simultaneous axial movement of said



stud and said terminal member in opposite directions is obtained upon rotation of said sleeve.

2,468,786
ELECTROMAGNETIC CORE ASSEMBLY AND METHOD
William C. Sealey, Wauwatosa, and Frits W. Arend, West Allis, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 21, 1944, Serial No. 550,358
6 Claims. (Cl. 175—356)

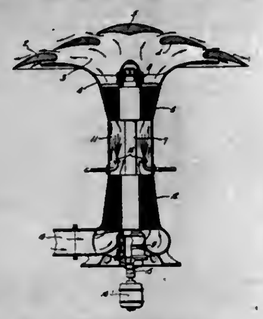


2. A core assembly of laminations of sheet metal extending substantially radially from a central member having a longitudinal axis, said core assembly comprising a plurality of sectors, certain of said sectors comprising a plurality of stacked packages of said laminations, adjacent said packages being non-uniformly spaced from said axis to define a series of steps, each said package comprising a stack of laminations which are at a substantially uniform distance from said axis and a single lamination extending to a smaller distance from said axis to define a protruding edge, said protruding edges lying substantially parallel to said axis, said edges resting on a common supporting lamination of an adjacent said sector, bonds of fused metal uniting certain of said packages with said supporting lamination at intermediate points of the lines of contact of said edges with said supporting lamination, and another bond of fused metal uniting said supporting lamination with said central member.

2,468,787
AERODYNAMIC IMPELLING DEVICE
John S. Sharpe, Haverford, Pa.; Catherine D. Sharpe executrix of said John S. Sharpe, deceased
Application September 9, 1943, Serial No. 501,708
3 Claims. (Cl. 253—36)

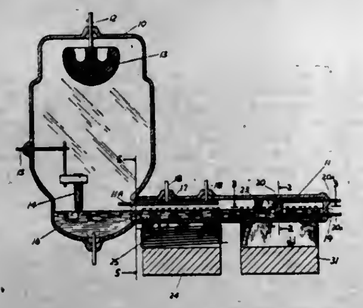
1. In an aerodynamic impelling device, means for producing a continual flow of expanding

gases, a structure forming a chamber for the reception of said gases, the wall of said chamber being formed in part by two immediately adjacent annular airfoils which are spaced from each other and from other portions of the chamber



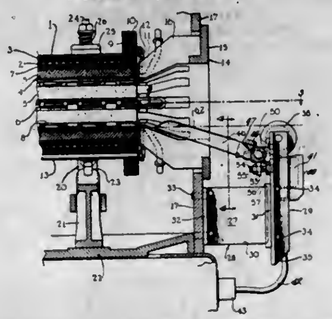
wall in a manner to provide for the release of said gases to produce an aerodynamic impelling force, one of said annular airfoils having a trailing edge of approximately the same length as the leading edge of the other of said annular airfoils.

2,468,788
ARC DISCHARGE DEVICE
Charles G. Smith, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 3, 1948, Serial No. 659,228
6 Claims. (Cl. 315—330)



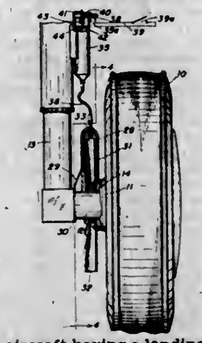
1. An arc discharge device comprising: an envelope having an auxiliary portion extending substantially perpendicular to the axis thereof; an anode supported within said envelope; a liquid cathode disposed within said envelope; means for initiating an arc spot on the surface of said cathode; a perforate member disposed within the auxiliary portion of said envelope, parallel to the axis and perpendicular to the surface of said cathode; magnetic means disposed adjacent said perforate member; and means for energizing said magnetic means to urge said arc spot into the interstices of said perforate member, said perforate member having induced in the interstices thereof a magnetic field of sufficient magnitude to extinguish said arc spot.

2,468,789
STOCK GUIDE AND POWER CONTROL FOR ELECTRIC FURNACES
Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application July 9, 1945, Serial No. 603,770
4 Claims. (Cl. 219—47)



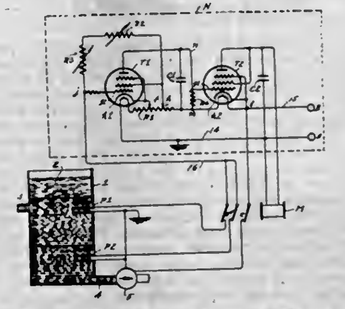
1. Bar heating apparatus comprising in combination, an electrical heater provided with an opening for the insertion of a workpiece along the axis thereof, means for supplying heating current to said heater, a first guide for directing a workpiece along a travel axis to the opening of said heater, a second guide for directing the workpiece along said axis to said first guide and the heater, and a control element operatively associated with means for controlling supply of heating current to said heater mounted on the second guide and extending from one side toward said axis and in the path of a workpiece in the region of said first guide and said heater opening, said element being engaged by said workpiece when the workpiece is in heating position for actuating said last mentioned means and applying and maintaining heating current in said heater.

2,468,790
AIRCRAFT LANDING GEAR
Earle E. Suiter, United States Navy
Application September 24, 1945, Serial No. 618,379
4 Claims. (Cl. 244—103)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an aircraft having a landing wheel, means for prerotating the wheel comprising: fluid reaction means associated with said wheel; means containing an explosive charge connected to said fluid reaction means; and means for exploding said explosive charge including a firing pin adjacent said explosive charge, a resilient member urging said firing pin towards said explosive charge, a releasable latch preventing movement of said firing pin and an energizable solenoid for actuating the latch thereby permitting said firing pin to move under the influence of said resilient member for exploding the explosive charge whereby the gases resulting from the explosion will actuate said fluid reaction means to cause prerotation of the landing wheel.

2,468,791
CONDUCTIVITY CONTROL
E. Craig Thomson, Boston, Mass., assignor to Photoswitch, Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application June 30, 1945, Serial No. 602,590
5 Claims. (Cl. 103—25)



1. For a vessel wherein a desired fluid is allowed to settle out of a mixture of said desired fluid and a carrying fluid, a system for controlling the removal of said desired fluid from said vessel comprising: a first and a second probe device immersed in the mixture of fluids in said vessel at a first and a second level respectively, each probe device having at least a first and a second element adapted for measuring the impedance therebetween and consequently the conductivity and concentration of the fluids therebetween; a relay amplifier system having an output circuit containing an operator means and at least a first and a second input terminal adapted for connection to said probe devices, in order to use them as detecting impedances, said system being adapted to place said operator means in a first condition when the value of the detecting impedance across said input terminals is within a first predetermined range of values and to place said operator means in a second condition when the value of the detecting impedance across said input terminals is within a second predetermined range of values; means connecting said first elements of said probe devices to said first input terminal; pump means for removing fluid from said vessel from a point below said second level; and switch means actuated by said operator means adapted, during the period said operator means is in said first condition, to connect said second element of said first probe device to said second input terminal and to render said pump means inoperative and, during the period said operator means is in said second condition, to connect said second element of said second probe device to said second input terminal and to render said pump means operative; whereby, when the impedance measured by said first probe device is within said first predetermined range depending on the conductivity of the mixture of fluids surrounding said first probe, said operator means is placed in said second condition, said second probe device is substituted for said first probe device as the detecting impedance, and said pump is rendered operative and, when the impedance measured by said second probe device is within said second predetermined range depending on the conductivity of the mixture of fluids surrounding said second probe, said operator means is placed in said first condition, said first probe device is substituted for said second probe device as the detecting impedance, and said pump is rendered inoperative.

2,468,792
DRILLING FLUIDS AND METHODS OF USING SAME
Cary R. Wagner, Utica, Ohio, and William N. Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application August 18, 1947, Serial No. 769,313
12 Claims. (Cl. 252—8.5)

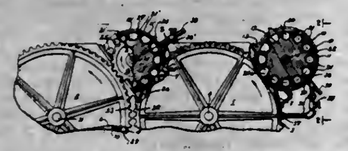
1. In a process of drilling wells comprising the steps of drilling the well with well drilling tools, and circulating through the well during said drilling a water base drilling mud which forms a filter cake on the wall of the well, the improvement comprising incorporating in said drilling mud a water soluble salt selected from the group consisting of sodium, potassium, lithium, ammonium, magnesium, calcium and strontium salts of an oxidized cellulose in an amount sufficient to reduce the water loss due to filtration through said filter cake but insufficient to increase the viscosity of said drilling mud to such an extent that it cannot be circulated, which oxidized cellulose is a reaction product of cellulose and nitrogen dioxide, said oxidized cellulose having a carboxyl content of between 5 and 25.56 per cent by weight.

2,468,793
HIGH-FREQUENCY RESISTOR
Hugh E. Webber, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Original application December 6, 1943, Serial No. 513,164. Divided and this application December 18, 1944, Serial No. 568,629
14 Claims. (Cl. 201—67)



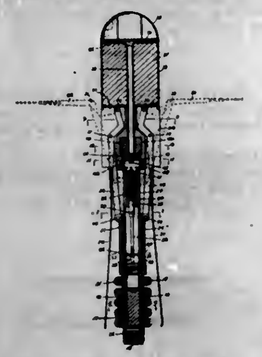
1. A power-absorbing wire unit for a microwave wattmeter, comprising an insulating tube, a power-absorbing wire therein extending longitudinally thereof, a conducting end plate electrically connected to one end of the wire, and a conducting tube extending longitudinally from the opposite end of the insulating tube and electrically connected to the other end of the wire, whereby the unit has a flat terminal at one end and an extending pin terminal at the other end.

2,468,794
VENTED COOKER VALVE
Paul C. Wilbur, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application May 14, 1946, Serial No. 669,727
3 Claims. (Cl. 196—211)



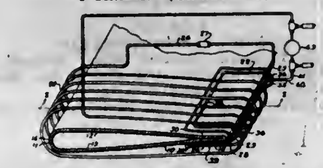
3. A valve for a pressure treating chamber comprising a housing having an inlet and an outlet opening, one communicating with the interior of said chamber and the other communicating with the exterior of said chamber, a rotary turret in said housing having a pocket for receiving an article at one of said openings and for discharging the article at the other of said openings, said valve having means intermediate said housing and turret for sealing the pocket therein during its movement between said openings, means for injecting a charge of pressure treating medium into said pocket as it approaches communication with the interior of said chamber and for simultaneously venting said pocket for ejecting air therefrom prior to communication of the pocket with said chamber.

2,468,795
FLARE
Starling Winters, Englewood, N. J.
Application October 11, 1944, Serial No. 558,231
3 Claims. (Cl. 102—37.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



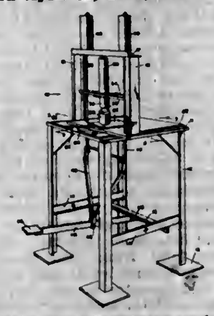
1. An aerial device comprising a cylindrical flare body surmounting a cylindrical flare motor body, propeller blades pivoted on said flare motor body and foldable within the extremities of said flare motor body, resilient means constantly urging said blades to open position transversely to the longitudinal axis of said device, said means operative to open said blades only at a substantially zero value of aerodynamic pressure on the blades, jet propellent means in said motor body to rotate said device about its longitudinal axis, spring-pressed means to initiate the jet propellent means, and a detent for the spring-pressed means connected with the propeller blades, for disarming the spring-pressed means on distension of the propeller blades.

2,468,796
METHOD OF AND APPARATUS FOR DUAL COIL INDUCTION HEATING
Alden O. Wood, Parma, and John T. Vaughan, Shaker Heights, Ohio, assignors to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application June 17, 1944, Serial No. 540,842
6 Claims. (Cl. 219—13)



1. In apparatus for inductively heating a longitudinal edge of a metallic article, an inductor comprising an outer member adapted to encircle a part of the article, an inner member comprising a loop having a conductor adapted to extend arcuately over an edge of the article and to lie in part within the outer member, the loop comprising a conductor adapted to lie adjacent to and along an edge of the article and two conductors adapted to lie along and adjacent to opposite sides of the article inwardly from its edge, the arcuate conductor serving as means for joining the said adjacent members to the edge adjacent member and to each other, means connecting the inner and outer members of the inductor in series, and means for supplying inducing current to the inductor.

2,468,797
METHOD OF MAKING PREFORMED PACKING
James T. Wong, Vallejo, Calif.
Application June 8, 1945, Serial No. 598,346
2 Claims. (Cl. 154—33.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method of preforming a packing comprising spirally winding a strip of hard packing about a mandrel into a cylindrical form, applying pressure axially of the cylindrical form while confining it against deformation, spirally winding a strip of soft packing about the same mandrel into a cylindrical form and placing it axially of the first formed packing portion, applying pressure axially of the soft packing form against the hard packing form while confining both packing portions together against deformation, then spirally winding a hard packing about the same mandrel into a cylindrical form and moving it axially against the soft packing form by applying pressure axially thereagainst to complete the packing and confining the completely formed packing against deformation while the axial pressure is applied and thereafter releasing the completely formed packing from the mandrel and from confinement.

2,468,798
MODIFIED STYRENE-LINSEED OIL INTERPOLYMERS
Arthur E. Young and Harold M. Hoogsteen, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application June 25, 1947, Serial No. 757,063
7 Claims. (Cl. 260—23)

1. A method which comprises interpolymerizing one part by weight of linseed oil with between 0.5 and 1.2 parts of a mixture of alkenyl aromatic hydrocarbons having from 8 to 10 carbon atoms in the molecule and comprising a major proportion of styrene, from 0 to 35 per cent by weight of an alpha-alkylated styrene, and divinylbenzene in amount within a range of from:

Per cent DVB=2+0.03143 A

to

Per cent DVB=4—0.02571 A

wherein DVB represents divinylbenzene and A is the per cent by weight of alpha-alkylated styrene in the mixture of alkenyl aromatic compounds, while the linseed oil and the alkenyl aromatic compounds are dissolved in a substantially inert solvent which is present in amount corresponding to between 20 and 60 per cent of the weight of the solution, the polymerization being accomplished by heating the solution at temperatures between 100° and 200° C. until at least 80 per cent by weight of the monomeric alkenyl aromatic compounds are reacted.

2,468,799
HYDROGENATING FAT
Norbert W. Ziels, Leonia, and Werner H. Schmidt, Grantwood, N. J., assignors to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
No Drawing. Application October 20, 1943, Serial No. 507,014
6 Claims. (Cl. 260—409)

1. A method of producing a fat solid at room temperature but substantially liquid at body temperature, which comprises hydrogenating a normally liquid glyceride oil selected from the group consisting of peanut oil, cottonseed oil and soy bean oil, with a nickel catalyst containing 1.38 to 5% sulfur based on nickel, at a temperature of 130 to 250° C., and at a pressure of 5 to 100 pounds per square inch hydrogen.

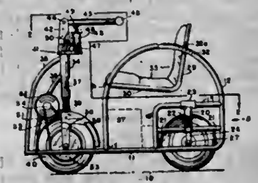
2,468,800
WEAVING REED
Isaac Andrews, Spartanburg, S. C., assignor to Andrews Company, Spartanburg, S. C., a copartnership
Application March 21, 1946, Serial No. 656,099
3 Claims. (Cl. 139—92)

1. In a weaving reed having backs and dents, the combination of reinforcing bars, a pair for each back, and each extending beyond the back and bent towards each other, an end member for each end of the back, each end member having a pair of parallel members the ends of which have circular portions enveloping the circular



ends of the backs and having parts parallel with each other extending between the members of the backs, and beneath the bent over ends of the reinforcing members, and means fastening each pair of parallel members together.

2,468,801
POWER OPERATED CHAIR
Charles T. Beall, Casper, Wyo.
Application February 7, 1947, Serial No. 727,265
1 Claim. (Cl. 180—26)

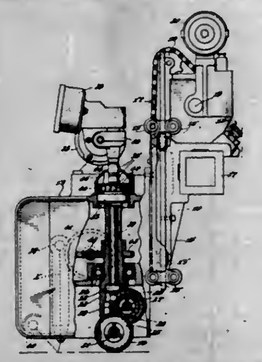


A power operated wheel chair comprising, a substantially rectangular frame having a seat, two supporting wheels for the rear end of the frame, positioned within the area of the frame, a vertical bearing positioned in front of the seat, the axis of the bearing being within the area of the frame, means for supporting the bearing from the frame, comprising at least three rigid members connected at their lower ends with the frame and at their upper ends with the bearing, a wheel fork having a spindle mounted in the bearing, a drive wheel mounted for rotation in the wheel fork, the rigid supporting members for the bearing being spaced from the axis thereof a distance at least as great as the radius of the wheel at the corresponding level, whereby the wheel may have an unobstructed rotation of 360 degrees, a steering device attached to the wheel fork spindle, above the bearing, a motor carried by the wheel fork below the vertical bearing, and means for transmitting motion from the motor to the drive wheel.

2,468,802
TRACING DEVICE
Walter Begerow, Wood-Ridge, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application June 9, 1945, Serial No. 598,544
6 Claims. (Cl. 250—41.5)

1. In a tracing device having a traction wheel rotatable about a horizontal axle carried by the lower end of a sleeve that may be turned about

a vertical axis to orient or steer the traction wheel, a motor-driven shaft extending through said sleeve and operatively connected to the traction wheel to drive the same, automatic means for turning the sleeve to steer the traction wheel, and a housing through which said sleeve and shaft extend and which houses at least part of said automatic means for turning the sleeve, said



housing having such size and location that it so obscures the traction wheel that its orientation cannot be readily observed by the operator, the improvement which comprises an indicator element connected to and movable with the upper portion of the sleeve above said housing where it may be readily seen by the operator to indicate the orientation of the traction wheel at all times.

2,468,803

METHOD OF PURIFYING SODIUM SULFATE

André Bonnet, Vaulx-en-Velin, and Pierre Costet, La Voulte-sur-Rhone, France, assignors to Comptoir des Textiles Artificiels, a corporation of France

No Drawing. Application January 28, 1947, Serial No. 724,932. In France September 26, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 26, 1961
7 Claims. (Cl. 23—121)

1. A method of treating sodium sulfate to remove the metal salt impurities contained therein which comprises simultaneously adding trisodium phosphate and sodium sulfide to a neutral aqueous solution of the sodium sulfate, and removing the precipitate from the sodium sulfate solution.

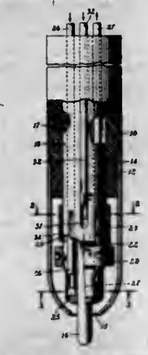
2,468,804

FLUID-COOLED GAS BLANKETED ARC-WELDING TORCH

Rudolph T. Breymeier, Niagara Falls, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

Application July 13, 1945, Serial No. 604,834
10 Claims. (Cl. 219—15)

1. In a gas blanketed arc welding torch, an electrically conductive electrode support sleeve, electrically conductive electrode gripping means mounted on said sleeve, means for supplying electric welding current through said support sleeve and gripping means to the electrode, a gas confining and directing nozzle mounted on said electrode support sleeve and having an imperforate internal surface of revolution concentric with the electrode and extending from the nozzle mounting on said sleeve beyond said gripping means toward the arc to form with the electrode an annular orifice, rigid annular walls outside of and concentric with the electrode disposed axially between the mounting of said nozzle on said sleeve and said annular orifice and forming an annular cooling chamber, cooling fluid passage means for passing cooling fluid into and out of



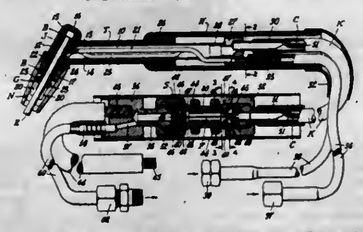
said rigid walled annular cooling chamber, and means for supplying gas to the interior of said surface of revolution adjacent the mounting of said nozzle on said sleeve to flow axially along the annular gas passage between said surface of revolution and said electrode gripping means in heat interchange relation with the cooling fluid in said annular cooling chamber and thereby out through said annular orifice.

2,468,805

FLUID COOLED GAS BLANKETED ARC-WELDING TORCH

Harry T. Herbst, Roselle, N. J., assignor to The Linde Air Products Company, a corporation of Ohio

Application March 8, 1946, Serial No. 652,924
8 Claims. (Cl. 219—15)



1. In a gas blanketed arc welding torch, a rigid metal tube, an electrically conductive electrode holder electrically connected to said tube, electrically conductive electrode contacting means mounted on said holder, a nozzle mounted on said electrode holder and extending beyond said contacting means toward the arc to form with the electrode an annular orifice, gas passage means for supplying gas through said rigid metal tube and said electrode holder along the electrode to the interior of said nozzle to flow out through said annular orifice, rigid annular walls outside of said electrode holder and forming a cooling jacket connected with said rigid metal tube, cooling fluid

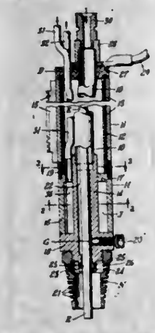
passage means communicating with said jacket, a flexible tube connected to said rigid metal tube for receiving cooling fluid therethrough from said jacket, and a flexible metal cable electrically connected to said rigid metal tube passing along inside said flexible tube and subject to the cooling fluid action for supplying electric welding current through said electrode holder and contacting means to the electrode.

2,468,806

WATER-COOLED GAS BLANKETED ARC-WELDING TORCH

Frank J. Pilia, Riverside, N. J., assignor to The Linde Air Products Company, a corporation of Ohio

Application May 10, 1948, Serial No. 668,945
6 Claims. (Cl. 219—15)



1. In a gas blanketed arc welding torch, an electrically conductive electrode support sleeve, electrically conductive electrode contacting means mounted on said sleeve, means for supplying electric welding current through said support sleeve and contacting means to the electrode, a nozzle mounted on said sleeve and having an internal surface of revolution concentric with the electrode and extending beyond said gripping means toward the arc to form with the electrode an annular gas passage terminating in an annular orifice, rigid annular walls above said contacting means and nozzle and outside of said electrode support sleeve and concentric with the electrode and forming an annular cooling chamber, said electrode support sleeve having a passage extending therethrough adjacent the electrode and inside of said annular cooling chamber for supplying gas to the interior of said surface of revolution to flow through said annular passage and out through said annular orifice.

2,468,807

WATER-COOLED GAS BLANKETED ARC-WELDING TORCH

Harry T. Herbst, Roselle, N. J., assignor to The Linde Air Products Company, a corporation of Ohio

Application May 9, 1946, Serial No. 668,517
5 Claims. (Cl. 219—15)

1. In a gas blanketed arc welding torch, an electrically conductive housing tube for an electrode, electrically conductive electrode contacting means mounted on said tube, a nozzle mounted on said contacting means and extending therebeyond toward the arc to form with the electrode an annular gas passage terminating in an annular orifice, a rigid annular wall outside of and concentric with said tube and forming therewith an annular cooling chamber, said torch having a passage extending from said tube through said contacting means and inside said annular cooling chamber and into said nozzle means near its



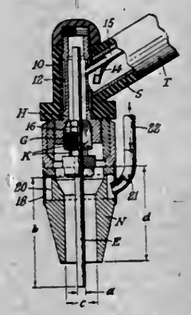
mounting on said contacting means whereby gas supplied to said tube passes along said annular gas passage and along said electrode and out through said annular orifice and means for feeding said electrode through the gas in said housing tube, through said rigid walled annular cooling chamber, through said contacting means, and out through said nozzle.

2,468,808

GAS BLANKETED ARC WELDING

Francis M. Drake, Woodbridge, N. J., assignor to The Linde Air Products Company, a corporation of Ohio

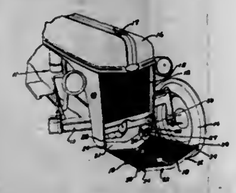
Application March 12, 1947, Serial No. 734,049
9 Claims. (Cl. 219—10)



1. Method of arc welding metals, which comprises passing alternating current of high current density through a non-depositing electrode and the work to maintain an arc, passing along the electrode to blanket the arc and molten portions of the work an annular stream of non-oxidizing gas containing essentially an inert gas and having a substantially constant diameter of the order of from 2⅓ to 4 times the electrode

diameter and a length of the order of from 4 to 8 times its own diameter, and maintaining the alternating current density within the range of the order of from between 60 and 120 amperes for a one-sixteenth inch diameter electrode, up to between 600 and 750 amperes for a three-eighths inch diameter electrode.

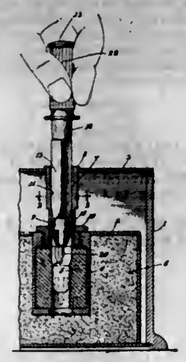
2,468,809
TRACTOR RADIATOR GRILLE
Harold L. Brock, Detroit, and Clarence F. Kramer, Birmingham, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application May 27, 1947, Serial No. 750,820
4 Claims. (Cl. 180—69)



1. In a tractor having an internal-combustion engine and a cooling radiator therefor mounted in an upright position adjacent the front of the tractor, a sheet metal hood extending over said engine and said radiator, side panels extending downwardly from said hood on opposite sides of said radiator and defining with said hood a generally rectangular opening, a grille covering said opening and having pivotal connections adjacent its lower edge with said side panels to permit said grille to be swung from a substantially vertical closed position to a substantially horizontal open position exposing said radiator for cleaning purposes, spring urged latch means adjacent the upper edge of said grille at opposite sides thereof for releasably holding said grille in closed position, and lugs at the lower edge of said grille adjacent and spaced radially from the axis of said pivotal connections, said lugs being arranged to engage portions of said side panels when said grille has been lowered to a substantially horizontal position to hold the grille in that position.

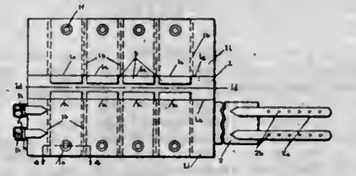
2,468,810
PYROPHORIC LIGHTER
Ray L. Burchett, East Orange, N. J., assignor to Ronson Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application January 23, 1947, Serial No. 723,736
2 Claims. (Cl. 67—4.1)

2. In a pyrophoric lighter of the character described having a body portion providing a fuel reservoir containing absorbent material adapted to receive a movable torch and also having a casing detachable from said body, the combination with said body portion of a torch, a sleeve for receiving and aligning said torch tip into register within said absorbent material, said sleeve serving as a means of holding said body and casing member together and threadingly engaging said body member, said sleeve and torch being provided with cooperating non-circular cross-sectional portions so constructed and arranged that said torch is slidably movable in an axial direction and upon forceful rotation angularly



rotates said sleeve to releasing or holding position.

2,468,811
SURCINGLE
William Everett Carroll, Rockville, Md.
Application September 4, 1947, Serial No. 772,177
2 Claims. (Cl. 54—23)



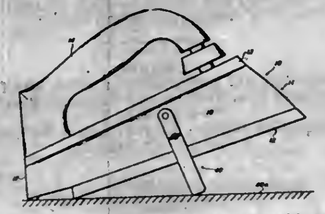
1. In a surcingle or girth, a pocket member and weight positioned therein.

2,468,812
DIGIT INDICATOR FOR SLIDE RULES
Michael Cherney, North Tarrytown, N. Y., assignor of one-half to Joseph B. Danis, New City, N. Y.
Application November 27, 1946, Serial No. 712,621
8 Claims. (Cl. 235—64.3)



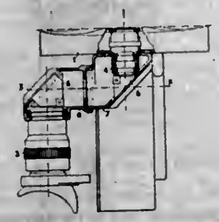
1. A digit indicator for a slide rule comprising a member mounted on a slide rule glass and having a series of numbers thereon, said member being rotatably slidable with respect to an indicating point whereby the member may be rotated to bring, in turn, various of the numbers in line with the indicating point.

2,468,813
ELECTRIC IRON HAVING A SUPPORTING MECHANISM
Benjamin Cooper, New York, N. Y., and Albert F. Hohmann, Teaneck, N. J.; said Hohmann assignor to said Cooper
Application April 28, 1947, Serial No. 744,304
2 Claims. (Cl. 38—79)



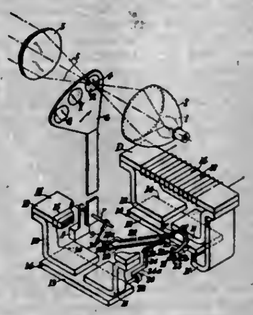
1. An iron comprising a casing, said casing comprising outwardly inclined side walls, a top wall and a rear wall, a sole plate on the bottom portion of said casing, the said sole plate terminating short of said rear wall thereby providing an opening between said rear wall and an edge of said sole plate, a flanged bracket seamed to the inner surface of said top wall, the flanges of said bracket extending in parallel, spaced arrangement to said side walls, an inwardly and downwardly inclined pivot pin mounted on each of said flanges and said adjacent side walls, said pins projecting through said side walls, supporting legs secured to the projecting portions of said pins, and disposed outside of said casing, helical gear means mounted on each of said pins between said flanges and said side walls, a pair of levers fixed to each other and pivotally mounted within said casing, one end portion of each of said levers being formed with gear means meshing with an adjacent helical gear, the other ends of said levers being formed with end portions projecting through said opening.

2,468,814
EXPOSURE LENS FINDER FOR CAMERAS HAVING ADJUSTABLE SIGHTING POSITION
André Clément Coutant and Jacques Mathot, Paris, France
Application May 6, 1947, Serial No. 746,300
In France May 7, 1946
1 Claim. (Cl. 95—42)



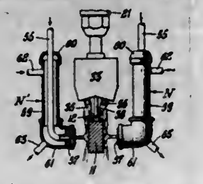
In a cinematographic camera having an object lens, a view finder comprising a housing portion in fixed position on the camera, a lens mounted in said housing with its axis parallel to, but offset transversely from, the axis of the object lens, an optical system for collecting light rays from the object lens and shifting them transversely so as to pass through the first mentioned lens, means provided in the housing portion for bending at right angles the rays passing through the first mentioned lens so that the axis of the bent rays is perpendicular to a vertical plane passing through the axis of the object lens, said housing having a circular neck portion concentric with the axis of said bent rays, a second housing portion having a circular neck portion having a tongue and groove connection with the neck of the first housing portion to provide for rotation of the second housing portion about the axis of said bent rays, means for limiting said rotation to 90°, means carried by the second housing portion for bending said rays at right angles, a tubular extension carried by the second housing portion with its axis perpendicular to the axis of rotation of said portion, an occular lens mounted in said tubular extension.

2,468,815
LIGHT SIGNAL
Myrl R. Douglass, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application January 29, 1942, Serial No. 428,734. Divided and this application March 27, 1946, Serial No. 657,403
2 Claims. (Cl. 175—335)



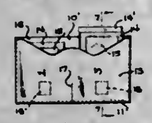
1. An electroresponsive device comprising first and second electromagnets controlling first and second pivoted armatures which are adapted to pick up when the associated electromagnet is energized, magnetic means associated with said second pivoted armature for preventing it from picking up except when said second electromagnet is supplied with current of a particular polarity, a member movable from a first position to second and third positions, means operatively connecting said first armature with said member to move said member from its first to its second position in response to movement of said first armature from its released to its attracted position, means operatively connecting said second armature with said member to move said member from its second to its third position in response to movement of said second armature from its released to its attracted position, mechanical means associated with said second armature to prevent it from picking up unless said first armature is picked up, means including a source of current of reversible polarity for energizing said first electromagnet, and means including a contact controlled by said first armature and closed only when said first armature is picked up for supplying current from said source to said second electromagnet.

2,468,816
PROCESS FOR MAKING COMPOSITE WELDED ARTICLES
Ralph E. Duce, Kokomo, Ind., assignor to Haynes Stellite Company, a corporation of Indiana
Application January 4, 1946, Serial No. 638,976
5 Claims. (Cl. 22—204)



1. Process for controlling the contour of a lateral margin of a welded-on overlay of a protective metal during the deposition of such overlay upon a metal article, which comprises feeding at least one molten body of a protective metal into contact with successive portions of a surface of an article to be provided with a welded-on overlay, while effecting relative movement between such surface and said body of protective metal and while heating said successive portions of the surface to a welding temperature at which the metal of the article is not substantially molten but at which the protective metal in contact therewith is molten, whereby the molten metal flows over and is intimately united with said surface, during such relative movement between said surface and said body, directing a flowing stream of a cooling fluid across the path of flow of the portion of the molten metal at a lateral margin of the surface of the article having thereon the molten overlay metal, while preventing substantial contact of said stream of cooling fluid with the free exposed surface of said molten metal remote from said margin, thereby chilling and immobilizing only those portions of the overlay metal in the path of said stream, said cooling fluid being selected from the class consisting of air, inert gases, and non-combustible gases, and continuing to flow molten metal upon successive portions of said surface of the article until a welded-on overlay of desired thickness is obtained which has approximately the same thickness at points adjacent the lateral margin of the surface of the article as at points remote from said margin.

2,468,817
POCKET CONTAINER FOR POSTAGE STAMPS
Viva Duchin, New York, N. Y.
Application June 1, 1946, Serial No. 673,821
1 Claim. (Cl. 150—41)



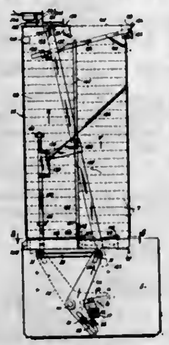
A postage stamp holder comprising in combination a base wall and two sidewalls firmly attached by marginal seams along three sides to said base wall on opposite sides, and central seams extending from a place near the center of the stamp holder to the center of the longitudinal marginal seam, said walls and said seams defining a plurality of pockets for slidable insertion and removal of a plurality of folders for stamps, there being an operative connection between stamp folders in back to back opposed pockets, whereby removal of one folder will cause removal of a second folder, while removal of the second folder will not serve to remove the first folder, said operative connection comprising a U-shaped rigid extension for said first mentioned stamp folder passing through a hole provided in said base wall and ending in guide means for the movement of said second stamp holder.

2,468,818
ELECTRICALLY HEATED DENTAL SPATULA
Leonard Fox, Buffalo, and Raymond Resnick, New York, N. Y.
Application January 15, 1947, Serial No. 722,228
1 Claim. (Cl. 219—21)



In a dental spatula having a tubular handle formed at one end with an enlarged recess, a heating element casing having its rear end positioned in said recess and having its front end reduced, a hollow tip having an enlarged rear end snugly fitted within said reduced front end of said casing, screw threads formed on the extended front end of said hollow tip, a spatula having a screw threaded recessed rear end threadedly engaged with said screw threads of said hollow tip, and heating wires for connection with a source of electrical energy extended through said casing and into said hollow tip and electrically insulated from said casing and said hollow tip.

2,468,819
ARTICLE DISPENSING APPARATUS
Benjamin W. Fry, Ladue, Mo., assignor to National Vendors, Inc., St. Louis, Mo., a corporation of Missouri
Application April 25, 1947, Serial No. 743,829
17 Claims. (Cl. 312—67)



8. In a dispenser, means for holding a first and a second column of trays, said columns having adjacent ends, each tray being movable laterally with respect to the trays adjacent to it, a member laterally movable near the tops of the columns normally positioned at the top of the first column and movable into position near the top of the second column, said member including means to remove an article from an uppermost tray in the second column and including means to move the tray thus emptied from the top of the second column to the top of the first column, and means coordinated with the action of said movable member first to drop the first column to provide a space at its upper end for reception of the retracted tray before said tray is retracted, then to lift the second column to replace with another tray the tray retracted from its upper end and to move the bottommost tray from the first column into position beneath the second column.

2,468,820
MEANS FOR COOLING PROJECTED DEVICES
Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York
Application February 1, 1947, Serial No. 725,805
2 Claims. (Cl. 102—92.5)



1. In a projected device having an enclosing casing, means for cooling said casing comprising a porous wall forming the nose portion of said casing, and means to supply a liquid coolant under pressure to the inner face of said porous wall and to force said coolant through said wall to form a protective film on the outer face thereof and on said casing.

2,468,821
BRAD
Charles B. Goodstein, Newton Highlands, Mass.
Application February 24, 1945, Serial No. 579,620
2 Claims. (Cl. 85—28)

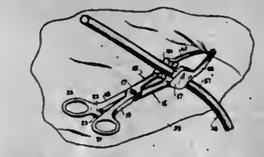


1. A brad having a straight cylindrical shank uninterrupted by recesses, said shank having projections thereon only at one end thereof, said projections extending diametrically from said shank and being of a thickness less than one half the diameter of said shank, the outer end of each of said projections being rectangular in both transverse and longitudinal cross section.

2,468,822
PRODUCTION OF HYDROCARBON RESINS
William K. Griesinger, Drexel Hill, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application March 22, 1946, Serial No. 656,520
1 Claim. (Cl. 260—82)

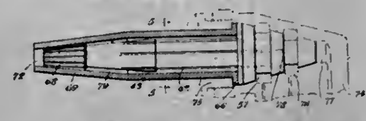
The method of producing a thermoplastic resin from an unsaturated hydrocarbon distillate boiling between 300° F. and 600° F. at 10 mm. pressure, such distillate being derived from hydrocarbon polymers resulting from the treatment of cracked gasoline with a polymerizing adsorbent, which comprises intimately contacting said unsaturated hydrocarbon distillate with substantially an equal volume of sulfuric acid of from 90% to 100% concentration for a period of ¼ hours to 3 hours at a temperature between 30° F. and 50° F., settling and separating from the mixture an acid layer containing unsaturated hydrocarbons, diluting the acid layer with an equal volume of water to cause the separation of an insoluble, oily material from the acid layer, neutralizing the oily material with an aqueous solution of sodium hydroxide, separating the neutralized oily material from the aqueous solution, and heating the oily material at a temperature of about 200° F. for a sufficient period of time to cause solidification thereof to a hard, brittle resin.

2,468,823
CLAMP
Edgar M. Housepian, New York, N. Y.
Application January 13, 1948, Serial No. 1,992
13 Claims. (Cl. 128—346)



1. In a line clamp of the type containing two coacting jaws movable relative to each other, a row of teeth on each jaw in facing and interlockable relation with that of the other, each row containing a plurality of sets of teeth adapted to coact with certain correspondingly positioned sets of the other row, the teeth of said coacting sets being substantially oppositely positioned and being proportioned to engage and hold therebetween a line of predetermined thickness, each set having teeth of different lengths from that of any other set of teeth on the same row, whereby lines of different thicknesses can be operatively engaged by different coacting sets.

2,468,824
MULTIPIECE CUTTING TIP
Howard G. Hughey, Fanwood, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application November 23, 1944, Serial No. 564,862
12 Claims. (Cl. 158—27.4)

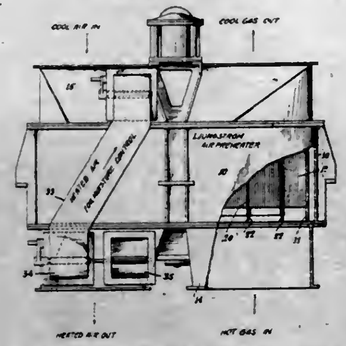


1. A multi-piece torch tip comprising an insert formed to provide when enclosed by shell and seat ring means a plurality of longitudinally extending heating gas passages in the assembled tip, and shell and seat ring means each fitted separately directly upon the insert, spaced longitudinally extending peripheral portions of the insert being in contact with the inner surfaces of the shell and the seat ring means to form passages for heating gas, the passages extending continuously under the shell and seat ring means in succession.

2,468,825
PLATING
George W. Jernstedt, Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 21, 1944, Serial No. 569,273
4 Claims. (Cl. 29—196.3)

1. An article of manufacture comprising, in combination, an electrically conducting base member, a thin electrodeposited coating of a thickness of from 0.1 to 0.5 mil of a bright silvery ternary alloy composed of from 50% to 75% copper, 20% to 35% tin and from 8% to 15% zinc applied to the base member, and a thin coating less than 0.1 mil in thickness of chromium electrodeposited over the ternary alloy coating.

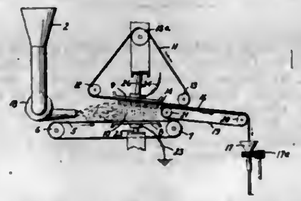
2,468,826
MOISTURE CONTROL IN HEAT RECOVERY APPARATUS
Per Hilmer Karlsson, Wellsville, N. Y., and Roland S. Cooper, River Forest, Ill., assignors to The Air Preheater Corporation, New York, N. Y.
Application June 24, 1944, Serial No. 541,907
2 Claims. (Cl. 257—6)



1. The method of transferring heat from a hot gas to a cool gas, such as air, through the medium of surfaces heated by the gas to impart heat to the air which comprises; initially passing hot gases in contact with heat exchange surfaces; imparting such an amount of the absorbed heat from said surfaces to air as to lower the temperature of said surfaces to a point below the dew point of the heating gases; passing hot gases over the cooled surfaces to reheat the latter, thereby causing moisture to be deposited on said surfaces from the heating gases; and passing over said surfaces a relatively dry gaseous fluid heated to a temperature sufficiently high to absorb the moisture from said surfaces prior to again imparting heat from said surfaces to cool air.

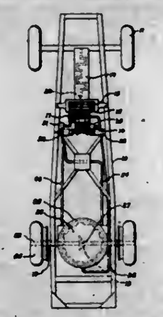
2,468,827
ELECTROSTATIC CONTROL OF FIBERS
Edgar S. Kennedy, Wayne, and Frederick C. Wedler, Media, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application October 4, 1944, Serial No. 557,190
3 Claims. (Cl. 19—150)

1. Apparatus for forming a seemingly continuous structure of indefinite length from loose masses of spinnable fibers which comprises electrode members, means for continuously maintaining an electrostatic field between the electrodes, means for continuously feeding the spinnable fibers to the field, an endless surface above the zone of the field to which the fibers are fed and having a discharge portion extending out of the field, means for continuously moving the surface through the field whereby the fibers are electrostatically erected against the surface in oriented and parallelized condition, another end-



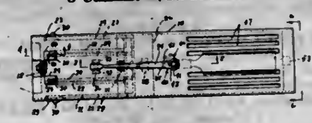
less surface having a fiber receiving portion disposed closely beneath the fiber discharge end of the first-mentioned surface, and means for continuously moving the second surface in the direction of movement of the first surface whereby when the erected fibers contact the second surface all of the fibers are laid back upon themselves in overlapping parallelized condition on the second surface and carried thereby from the vicinity of the field in the form of a seemingly continuous structure.

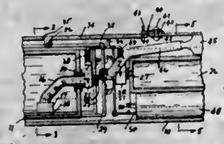
2,468,828
HYDRAULIC DRIVE FOR MOTOR VEHICLES
Herman A. Kopp, Bronx, N. Y.
Application December 12, 1946, Serial No. 715,806
3 Claims. (Cl. 180—66)



1. In combination, a vehicle comprising a differential driving mechanism, an engine power plant and a main friction clutch, a drive shaft extending from the clutch, a pump for building up hydraulic pressure, a second gear-toothed type clutch device adapted to connect and disconnect the pump with the drive shaft, manually operable means accessible to the operator for effecting the operation of the latter clutch device, a driving motor connected to the differential driving mechanism; selector means connected between the pump and the driving motor to change the flow of fluid to the driving motor to operate the same in one direction or the other.

2,468,829
ALARM AND PROTECTOR
Philip La Porta, Brooklyn, N. Y.
Application July 9, 1947, Serial No. 759,798
8 Claims. (Cl. 116—67)

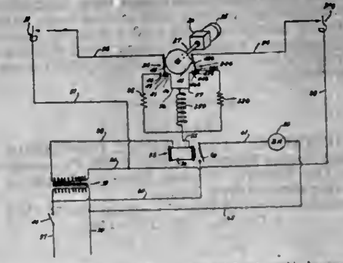




8. An alarm and protector, comprising a casing of a size to be conveniently carried in one's hand and having an opening at one end through which the light of a flashlight may pass, a liquid container within said casing for a paint or odorous chemical spray, a tube system for liquid and having discharge nozzles around said casing and connected with said liquid container and including a supply tube for liquid extending into said liquid container, an air container within said casing, a tube system for compressed air and having discharge nozzles directed across said first named nozzles for spraying liquid from said liquid container and including a supply tube for air connected with said air container, valves controlling the flow of liquid and air respectively through said supply tubes in order to control passage of liquid and air, respectively, through said tube system for liquid and said tube system for air, a trigger lever movably mounted on said casing and adapted to be manually held down, a safety latch for holding said trigger lever down, resilient means for opening said valves and connected with and normally held inoperative by said trigger lever in its down position, a whistle connected with said tube system for compressed air at a point past the valve thereof for operating when said valve is opened, a flashlight mounted in said casing for throwing a beam of light through said opening in said casing and having a control switch, and means for closing said switch simultaneously with the opening of said valves.

2,468,830
HEAT DISTRIBUTION CONTROL
Charles E. Markham, St. Louis County, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation, a corporation of Missouri.
Application December 20, 1945, Serial No. 636,181
15 Claims. (Cl. 236—1)

3. In a control for distribution of temperature conditioned fluid in combination, temperature conditioning means, a branched distributing conduit, a plurality of conditioned fluid receiving spaces each being served by one of said branches, an apportioning valve controlling said branches at the junction thereof, electrically operated means for moving said valve through a cycle of successive positions in each of which at least one of said branches is restricted, control means for said electrically operated means including a temperature-responsive switch in each of said fluid receiving spaces each responsive to a requirement for temperature conditioned fluid to complete an energizing circuit branch for said electrically operated means, and cam operated

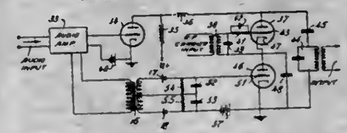


switch means for each of said circuit branches each being movable to a circuit interrupting position as said valve is moved to a non-restricting position with relation to its respective conduit branch.

2,468,831
REDUCTION OF CORROSIVE ACTION OF FRIEDEL-CRAFTS TYPE CATALYSTS
Gordon H. Miller, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 22, 1945, Serial No. 595,253
5 Claims. (Cl. 260—683.5)

1. In the catalytic conversion of hydrocarbons at elevated temperature with a catalyst liquid comprising an aluminum halide-hydrocarbon complex liquid containing free aluminum halide in a reaction zone confined by a metal normally subject to substantial corrosion by the catalyst during the said conversion, the method of inhibiting said corrosion which comprises contacting said complex catalyst liquid in a separate treating zone in the absence of added hydrogen halide with free alkaline earth metal in finely-divided form at an elevated temperature and for a time sufficient to render the catalyst liquid relatively non-corrosive to boiler steel at 210° F., separating said non-corrosive complex liquid catalyst from the said metal in said treating zone, and passing said separated non-corrosive complex liquid to the said reaction zone to serve as the catalyst therein.

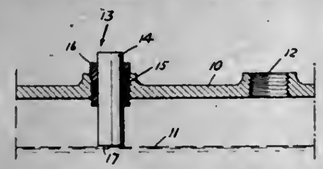
2,468,832
SIGNALING SYSTEM
Luke H. Montgomery, Nashville, Tenn.
Application September 9, 1947, Serial No. 772,912
20 Claims. (Cl. 332—38)



1. In combination, an electronic circuit having an input circuit and an output circuit with a predetermined transfer characteristic therebetween, circuit connections for applying an audio signal wave to said input circuit to swing about a predetermined operating point on said

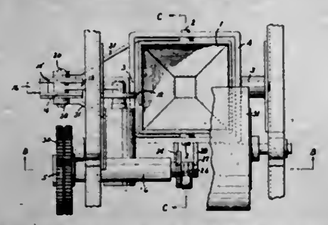
transfer characteristic, an asymmetry detection circuit supplied with said audio signal wave and designed and adapted to yield an output control wave which varies with asymmetrical positive and negative portions of said signal wave, and circuit connections for applying said control wave to said electronic circuit to shift said operating point in the direction of swing of the smaller of said asymmetrical portions when said audio signal wave is asymmetrical.

2,468,833
CONTAINER LIQUID LEVEL INDICATOR
Harold Purves Murphy, Ridley Park, Pa., assignor to The Electric Storage Battery Company, a corporation of New Jersey
Application July 18, 1944, Serial No. 545,521
5 Claims. (Cl. 116—118)



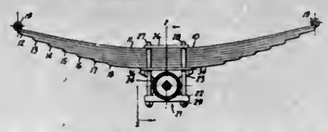
1. A device for indicating the liquid level in a container having a cover and containing liquid comprising a rod of transparent material mounted in an opening in the cover, said rod having a rough horizontal surface at its lower end reflecting light from above when out of contact with the liquid and transmitting said light substantially without reflection when in contact with the liquid, said horizontal surface being substantially parallel with the surface of the liquid.

2,468,834
TOW FOLDING DEVICE FOR SHIPPING CARTONS
Thomas L. Nash, Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application December 7, 1946, Serial No. 714,752
1 Claim. (Cl. 28—21)



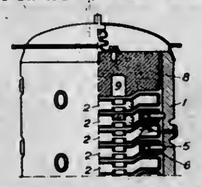
An apparatus for depositing a strand comprising a frame member, a yoke pivotally mounted on the frame, guide means for the strand pivotally mounted on the yoke on an axis set at an angle to the pivotal axis of the yoke and to the path of the strand through the guide means, a drive shaft, a worm on the shaft, a cross shaft, a worm gear on the cross shaft in mesh with the worm, a crank disc on the cross shaft, an eccentric arm connected to the crank disc for oscillating a sliding yoke and sliding block mounted on the axis of the yoke pivotally mounted on the frame, arms connected to the sliding block for oscillating the guide means, a crank disc mounted on the drive shaft and an eccentric arm connected to the last mentioned crank disc for oscillating the yoke.

2,468,835
VEHICLE SPRING CONSTRUCTION
Harry E. Nordquist, Seattle, Wash., assignor to Laher Spring & Tire Corp., Oakland, Calif., a corporation of Oregon
Application April 15, 1944, Serial No. 531,187
2 Claims. (Cl. 267—52)



1. In a vehicle spring construction for application to a vehicle axle, a plurality of superposed spring leaves, mounting means below the lower leaf comprising vertically spaced pads rigidly secured to the axle, a saddle plate adjacent the upper side of the top main leaf and located generally above the upper pad, a thrust transmitting interlock between an integral portion of the top leaf and a medial portion of the plate to prevent longitudinal displacement of the uppermost leaf relative to the plate, a second saddle plate interposed between the lowermost leaf and the upper pad, means serving to lock said last plate against longitudinal movement with respect to its associated pad, and bolts extending through aligned holes provided in both said plates and in the lower pad and serving to clamp the leaves together and upon the second named saddle plate, said bolts being in close proximity with the adjacent side edges of the leaves.

2,468,836
ANODE TUBE FOR IONIC VALVES FOR HIGH-VOLTAGE STATIC CURRENT CONVERTERS
Gunnar J. Persson, Ludvika, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application November 29, 1945, Serial No. 631,678
In Sweden July 10, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 10, 1964
4 Claims. (Cl. 250—27.5)



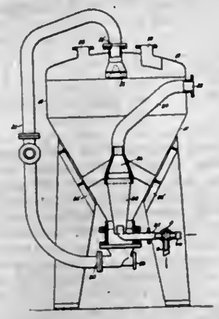
1. An anode tube for ionic valves for high voltage static current converters comprising a vacuumtight tube, at least partly of insulating material, an anode therein, a number of conducting hollow sheet metal bodies therein having spaces therebetween, means to impress different voltages on said bodies during the impermeable periods of said valve, said bodies having channels for the passage of the current, the majority of the volume of each of said bodies consisting of an empty space limited in the direction of the current by conducting walls of practically equal potential.

2,468,837
MAGNETOSTRICTIVE TRANSDUCER
Robert L. Peek, Jr., New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 2, 1945, Serial No. 608,573
10 Claims. (Cl. 177—386)



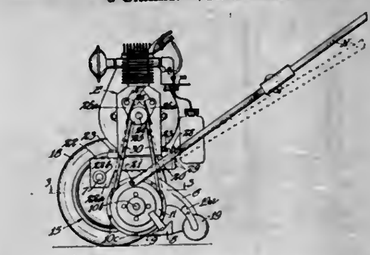
1. A magnetostrictive device comprising an annular magnetostrictive core, means mounting said core for substantially free extensional vibration, and means for exciting said core to produce out-of-phase magnetostrictive action in adjacent arcuate portions thereof for effecting extensional vibration of said core in a mode higher than its fundamental.

2,468,838
FILTERING APPARATUS
Augustin Rey, Paris, France, assignor to Comptoir des Textiles Artificiels, Paris, France, a corporation of the Republic of France
Application July 31, 1947, Serial No. 764,973
In France February 20, 1941
1 Claim. (Cl. 210—141)



A filtering apparatus comprising a conical tank, means to supply the liquid to be filtered to the upper part of said tank, a perforated barrel disposed coaxially with and in spaced relationship to the wall of said tank to provide an annular chamber therebetween, a filter bed disposed in said chamber whereby the liquid in said tank will pass through said bed into said barrel, a duct to discharge the filtrate connected to the top of said barrel, a duct for emptying said tank and having means for admitting backwash water connected to the bottom of said barrel, an outlet for backwash water at the upper part of said tank above said filter bed, an ejector connected to the bottom of said tank, a distributor in the upper portion of said tank, and means connecting said ejector to said distributor for the withdrawal of the bed and the reintroduction thereof into said tank.

2,468,839
POWER LAWN MOWER
Nicholas Rodesci, Minneapolis, Minn.
Application October 4, 1943, Serial No. 504,830
5 Claims. (Cl. 56—26)

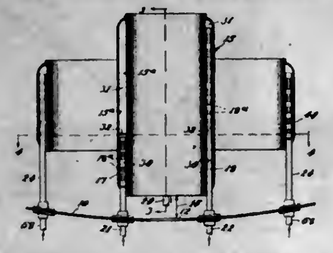


1. In a power mower having traction wheels, a frame, a cutter reel and a guiding handle extended rearwardly and upwardly from said frame and connected therewith on a transverse axis for limited upward swinging movement as essential elements, precisely, the combination of an engine support pivotally mounted on said frame above said cutter reel for upward swinging movement on a horizontal axis extending transversely of said frame, an engine mounted on said support rearwardly of said swinging axis having a driving pulley disposed above one end of said cutter reel, a driven pulley fixed to said end of said cutter reel and lying substantially in a vertical plane with said driving pulley, an endless belt connecting said pulleys for driving, said belt being of a length to cause idling of said engine when said support is in a lowered position, driving mechanism interposed between said cutter reel and said traction wheels for driving said traction wheels in a forwardly advancing direction and abutment means connected with said platform and extending outwardly therefrom in line with the arc of movement described by said handle when the same is moved on its pivot, said abutment means cooperating with said handle so that when the handle is in a raised position the said platform is pivoted upward to tension said belt for driving purposes and when the handle is lowered said platform pivots downwardly to automatically disconnect the drive between said pulleys.

2,468,840
HEATER FOR WORT KETTLES
Robert C. Schock, New Rochelle, N. Y., assignor to Schock, Gusmer & Co. Inc., Hoboken, N. J., a corporation of New Jersey
Application May 27, 1944, Serial No. 537,646
1 Claim. (Cl. 257—197)

In a wort kettle having a vertical cylindrical portion and a substantially horizontal bottom for said cylindrical portion, and having means for heating the contents of the kettle, the combination of a centrally disposed hollow cylindrical member with its lower end in proximity to said bottom, and its axis centrally disposed substantially coincident with the axis of the kettle, said cylindrical member being radially within said first heating means for heating the wort at the central part of the kettle, to move the central part of the wort upwardly, and to set up a circulation of the wort radially outwards at the level of the wort, downwardly along the walls of the kettle and radially inwards at the bottom of the kettle, a horizontal transverse partition disposed along the vertical-length of the interior of the said cylin-

drical member, dividing said interior into two independent compartments, the upper compartment being larger than the vertical length of the lower compartment, means for supplying one of the compartments with low pressure steam, and



means independent of the first supply means for supplying the other compartment with high pressure steam, whereby on supplying the high pressure steam the velocity motion of the wort is increased, and breaks in the hop and wort boiling process are successively facilitated.

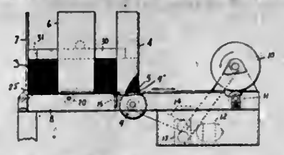
2,468,841
CHEST PROTECTOR
Sigmund Siegel, Brooklyn, N. Y.
Application April 23, 1947, Serial No. 743,412
3 Claims. (Cl. 2—51)



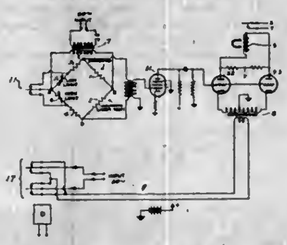
1. In a chest protector having a padded body for engagement across one's chest and provided at its top edge with a strap for engagement about one's neck, a band having one end attached to a bottom corner of the body for extension about the wearer's back to an opposite bottom corner of said body, a fabric loop attached to the face of the body inwardly of said opposite bottom corner, a terminal loop formed on the free end of said band for extension through said fabric loop, and means for releasably attaching the free end of said band to the front face of the body after said terminal loop has been passed through said fabric loop.

2,468,842
BOTTOM FEED DEVICE FOR PAPER SHEETS
Robert C. Sporleder, Mill Valley, Calif.
Application June 23, 1947, Serial No. 756,389
2 Claims. (Cl. 271—41)

1. In a bottom feed device for a stack of paper sheets, a support for said stack including means positioned adjacent one of the lower corners of such stack adapted to frictionally engage the second sheet from the bottom of said stack at a point substantially coincident with the edge of such sheet adjacent said corner for restraining movement of said second sheet in its plane upon forceably sliding the lowermost sheet in its plane from below said stack in a direction away from said corner when the weight of the stack is on said lowermost sheet, said means comprising a vertically positioned wafer-type blade having a generally upwardly directed cutting edge extending slantingly across said corner for cutting through the latter including said second sheet when said stack is positioned over said blade, and means for positioning such stack over said blade with its said corner in a position to be supported by the latter for said cutting.

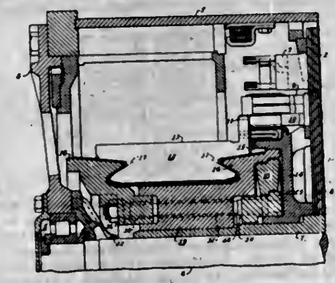


2,468,843
APPARATUS FOR ELECTRICALLY TESTING AND CLASSIFYING RESISTORS
David E. Sunstein, Elkins Park, Pa., assignor to Philco Corporation, a corporation of Pennsylvania
Application April 10, 1945, Serial No. 587,487
3 Claims. (Cl. 209—81)



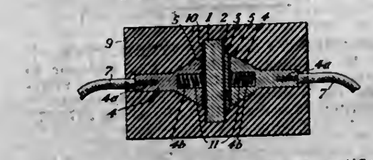
3. In a device for testing and classifying devices, a bridge circuit having a low limit setting, a high limit setting, means for automatically admitting a device to be tested in said bridge circuit; switching means for setting said bridge at its low limit and high limit sequentially comprising an electromagnet having circuit connections for energizing said electromagnet when said device to be tested is ready for test, means controlled by said electromagnet for applying signals to the input of said bridge and for positioning said device for test; a phase responsive device connected to the output of said bridge; a grouping mechanism; an electromagnet having an energizing circuit operative if the test of said device indicates that said device is within the limit tested for setting said circuit for its alternate limit and a second electromagnet having an energizing circuit operative if the test of said device indicates that said device is within the second limit tested for terminating said test, means controlled by each of said last mentioned electromagnets for operating said grouping mechanism; an electromagnet having an energizing unit controlled by each of said limit controlling electromagnets for ejecting said device from said bridge circuit; means including said signal applying means and said bridge and operative when each of said limits are set for testing whether said device under test is within, below or above the limit settings of said bridge.

2,468,844
SPRING COMMUTATOR
Carl Henry Sutherland, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 10, 1948, Serial No. 1,520
2 Claims. (Cl. 171—321)



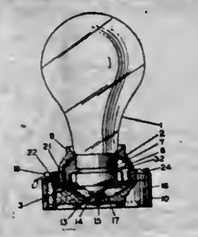
1. A spring-commutator assembly comprising a plurality of commutator-bars having V-grooves in their ends, and having commutator-lead-engaging parts at their rear ends, an immovable commutator-spider having an immovable V-ring at its rear end and an axially movable V-ring at its front end, said V-rings engaging the V-grooves, a disk-spring at the rear end, a peripheral edge of the disk-spring engaging a rear surface of the immovable rear V-ring, a pressure-ring having a peripheral edge in engagement with a rear inner surface of the disk-spring, a plurality of forwardly extending studs carried by said pressure-ring, and nuts on the front ends of said studs in engagement with a front surface of the movable front V-ring.

2,468,845
ALTERNATING ELECTRIC CURRENT RECTIFIER
Leslie Ernest Thompson, London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 28, 1945, Serial No. 607,617
In Great Britain November 20, 1944
4 Claims. (Cl. 175—366)



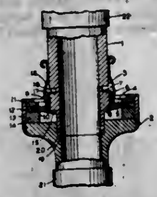
1. A rectifier unit comprising a rectifier element consisting of a layer of selenium applied to a base electrode and a counter electrode layer applied to the outer face of the selenium layer, said base electrode having the side opposite the selenium layer tinned, two conical contact members having their bases coated with a layer of soft solder and secured to the tinned face of said base member and to said counter electrode layer respectively by applying heat and pressure to said contact members, a terminal conductor secured within the smaller end of each contact member, and a body of plastic material moulded around and completely enclosing all of said parts except the projecting ends of said terminal conductors.

2,468,846
ELECTRIC LAMP AND SOCKET
Foster J. Trainer, Holly Hill, Fla.
Application May 14, 1948, Serial No. 27,130
6 Claims. (Cl. 176—32)



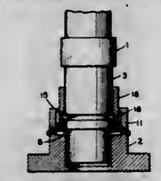
1. In combination, an electric lamp and a socket, said electric lamp comprising a glass envelop having a neck portion and a base member secured to said neck portion, said base comprising a symmetrical metal ferrule, an insulator, and a conducting tip element, said conducting tip element being axially spaced from said ferrule along the median line thereof, said ferrule having an annular groove spaced from said tip element, said socket including a plurality of gripping means affixed to a convex snap element, said snap element being in the form of an open geometrical figure to thereby admit the tip element and part of the insulator element of said lamp base and said gripping means adapted to spring inwardly when said snap element is depressed to thereby engage the base annular groove.

2,468,847
SNAP ACTION COUPLING DEVICE
Foster J. Trainer, Holly Hill, Fla., assignor to Disto Corporation, Holly Hill, Fla.
Application June 17, 1947, Serial No. 755,034
11 Claims. (Cl. 285—174)



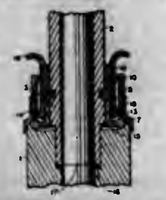
1. A snap action gripping device comprising, a strip of resilient material substantially circumscribing a closed geometric figure, and so disposed that a plane passing through all points of the outer periphery is laterally disposed a distance less than the width of said strip to a plane passing through all points of the inner periphery; finger portions affixed to the strip and uniformly spaced from the inner periphery of said closed figure, and portions of the closed figure extending inwardly of the finger portions in a plane substantially that of the portions of the closed figure from which they respectively extend, each finger being normal to its respective portion of the geometric figure, and inwardly directed prongs integral with the free end of said fingers and substantially normal thereto respectively.

2,468,848
SNAP ACTION COUPLING DEVICE
Foster J. Trainor, Holly Hill, Fla., assignor to Disto Corporation, Holly Hill, Fla.
Application July 14, 1947, Serial No. 760,761
10 Claims. (Cl. 285—174)



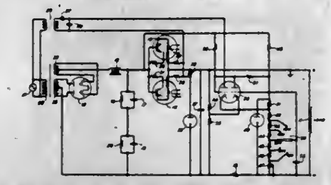
1. In combination, a plug and a socket, and a snap action gripping device, said socket having an interior surface defining a hollow space, and having an annular groove in the inner surface thereof in a plane normal to the longitudinal axis thereof, said snap action gripping device having a continuous base portion having an open center defined by an inner periphery; and said continuous base portion having an outer peripheral portion adapted to seat in said groove, fingers substantially normal to said base portion and integral therewith intermediate the inner periphery and the outer peripheral portion and having inwardly directed prongs on the free ends thereof; said plug having an extension portion adapted to pass through the open center of said snap action gripping device and terminating at the inner end in a shoulder portion, said shoulder being adapted to pass through said prongs when open and to abut the inner peripheral base portion; a groove in such plug member axially spaced from said shoulder a distance equal substantially to the length of said fingers, whereby axial motion of said plug toward the socket causes axial motion of said inner peripheral base portion thereby causing said fingers to move inwardly and said prongs to engage said groove.

2,468,849
DETACHABLE COUPLING
Foster J. Trainor, Holly Hill, Fla.
Application October 15, 1947, Serial No. 779,971
17 Claims. (Cl. 285—170)



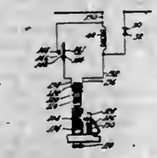
1. In a detachable coupling device, a socket member, a plug member, and a snap action gripping device, said socket having an interior surface defining a hollow space, and having a plurality of bearing surfaces positioned tangentially to said hollow space in a plane normal to the longitudinal axis of said socket, a plurality of latch dogs journaled in said bearing surfaces, whereby the latch portion is adapted to swing toward and away from the axis of the socket, said latch dogs having opposed bifurcated portions, a snap ring seated in said bifurcations, and having two convex conditions of stability whereby said latch dogs have two conditions of stability which are open and latch positions.

2,468,850
VOLTAGE REGULATION
David E. Trucksess, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 18, 1947, Serial No. 729,297
5 Claims. (Cl. 323—22)



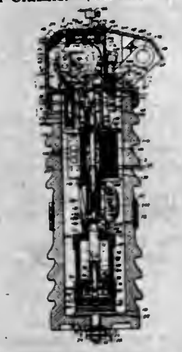
1. A voltage regulator for controlling the current supplied from a direct current source to a load to maintain the load voltage substantially constant comprising a regulator electronic device having an anode, a cathode and a control electrode and having its anode-cathode path connected in series in one side of the line connecting said source to a load terminal, an amplifier comprising a second electronic device having an anode, a cathode and a control electrode, means for deriving from said source a substantially constant voltage which is larger than the maximum load voltage, an anode current circuit connecting the anode and cathode of said second electronic device, means for obtaining a voltage proportional to the load voltage, means for obtaining a voltage proportional to the load current, means for impressing upon said anode current circuit a voltage having as components of opposite polarity therein said substantially constant voltage and said voltage proportional to load voltage a circuit connecting the control electrode and cathode of said second electronic device comprising in series a portion of said derived voltage, said voltage proportional to load voltage and said voltage proportional to load current, said voltage proportional to load current being in aiding relationship to one of said remaining voltages in said circuit and in opposing relationship to the other of said remaining voltages, and means for connecting the output voltage of said amplifier in a circuit connecting the control electrode and cathode of said regulator electronic device to control its anode-cathode resistance.

2,468,851
RECLOSING CIRCUIT INTERRUPTER
James M. Wallace, Braddock, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 7, 1944, Serial No. 517,327
19 Claims. (Cl. 175—294)



1. In an automatic reclosing circuit interrupter, separable contacts adapted to separate to open the circuit, means for automatically reclosing said contacts in response to a circuit interrupting operation thereof, electro-responsive means substantially instantaneously responsive to predetermined electrical conditions in the circuit for causing separation of said contacts, second electro-responsive means responsive to said predetermined conditions for causing separation of said contacts a predetermined time after the occurrence of said conditions, a single electrical control means connected in a circuit with both of said electro-responsive means for determining which one of said condition responsive means will be effective to cause separation of said contacts, and means actuated by said interrupter on each circuit opening operation of said contacts, for actuating said control means, whereby successive circuit interrupting operations may have successively different time characteristics.

2,468,852
CIRCUIT INTERRUPTER
James M. Wallace, Braddock, Herbert L. Rawlins, Swissvale, and James M. Cumming and Wayne S. Aspey, Turtle Creek, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application June 24, 1941, Serial No. 399,452. Divided and this application November 1, 1944, Serial No. 561,384
4 Claims. (Cl. 200—87)



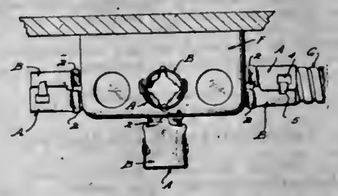
1. In a circuit breaker, a supporting casing having an open end and a closed end, a cover for the open end of said casing, means detachably securing said cover to said casing, a plurality of supporting frame members rigidly connected end to end and at one end to said cover so as to constitute supporting means extending into said casing, separable contacts mounted on at least one of said members so as to be engaged at one point along said supporting means, at least one of said members at another point along said supporting means defining a side opening, said one member having aligned apertures at opposite sides of said opening, a removable solenoid coil having a bore, said coil positioned in said opening with the bore thereof aligned with said apertures, a core guide tube extending freely through one of said apertures and freely through said bore into engagement with said one member at the opposite side of said opening to prevent removal of said coil, a core for said coil mounted for movement through said tube, said core operatively associated with one of said contacts to actuate the same, and at least another of said frame members detachably secured to said one member at the end thereof having said one aperture and having a portion overlying the adjacent end of said guide tube to prevent withdrawal thereof.

2,468,853
ABRASIVE WEB MATERIAL
John A. Williamson, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application September 15, 1944, Serial No. 554,273
11 Claims. (Cl. 51—294)



1. A method of making flexible fibrous abrasive webs which comprises forming a thin aqueous suspension of fibrous material, the fibers of which are of wet-feltable length, depositing said suspension on a foraminous support as a highly aqueous fibrous web, introducing a sufficient amount of abrasive particles and an adhesive binder into the interior of said web while said web is on said foraminous support and while said web is highly aqueous and uncompacted to provide an abrasive particle content of 70–85% by weight based on the dry weight of the fibrous web, said abrasive particles being distributed internally throughout the thickness of the web structure as a result of being applied to the web while the latter is still highly aqueous and uncompacted, extracting water from the highly aqueous web to felt the fibers about the abrasive particles, and drying and compacting the felted web to the desired density.

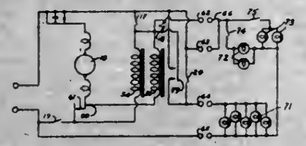
2,468,854
BOX CONNECTOR FOR FLEXIBLE ELECTRICAL CONDUITS
William R. Woodring, Van Nuys, Calif.
Application May 10, 1946, Serial No. 668,748
2 Claims. (Cl. 285—6.5)



1. In a connector for fastening a terminal of a conduit to a fixture having an opening therein, a pair of substantially semi-cylindrical connector sections having certain corresponding ends outwardly flared to form retaining flanges adapted to project through said opening for contact with the inner surface of said fixture to prevent withdrawal of said sections from said opening, one of said sections having openings therein, bendable tongues carried by the other of said sections and loosely extended through said openings and bent outwardly at their free ends so as to prevent withdrawal of said tongues while loosely connecting said sections to one another subject to adjustment to bring the flared ends closely together to permit of insertion thereof through said opening with the other ends spaced apart whereby a conduit may be inserted between and held by said sections, said tongues being bendable into position to hold the sections in conduit clamping position, and co-acting bearing portions on said sections arranged to contact one another when adjusting and moving said sections to fit

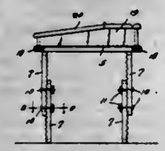
in the opening and when applying to the sections a tool which is manipulated to force the section tightly together and bend the tongues into position for holding the sections clamped on the conduit and holding the flared ends in locked contact with said fixture.

2,468,855
AUTOMATIC TIMER
Henry L. Abrahamse and John E. Hewitt, Lansing, Mich., assignors to Abrams Instrument Corporation, Lansing, Mich., a corporation of Michigan
Application September 8, 1945, Serial No. 615,200
2 Claims. (Cl. 175—320)



1. An automatic timer comprising a support, a unidirectional electric motor mounted on said support, oscillatory switch operating means mounted on said support, means including a clutch adapted to connect said motor to said switch operating means, electro-magnetic means mounted on said support and associated with said clutch for engaging and disengaging the latter, a circuit for said electro-magnetic means including a relay switch, a relay coil associated with said relay switch for closing the latter when said relay coil is energized, and a circuit for said relay coil including a switch mounted on said support and associated with said oscillatory switch operating means, said last named switch being adapted to be opened by said oscillatory switch operating means in one position of oscillation thereof.

2,468,856
COMBINED TABLE AND DESK FOR CHILDREN
John A. Alexander, Berkeley, Calif.
Application October 9, 1944, Serial No. 557,864
1 Claim. (Cl. 311—3)

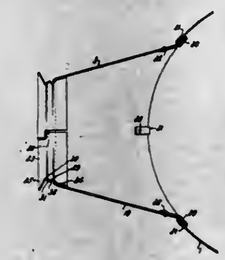


In a child's article of furniture, the combination with a table top having side edges, of a plurality of sockets formed in said top around marginal portions thereof, a vertically-extending closed frame having an open bottom, depending studs on said frame and detachably seating in said sockets whereby said top comprises a bottom for said frame, and a hinged top for said frame.

2,468,857
PROCESS OF MAKING SPHEROIDAL GEL PARTICLES
John A. Anderson, Chicago, and Vanderveer Voorhees, Homewood, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 29, 1945, Serial No. 631,769
6 Claims. (Cl. 252—448)

1. The process of making solid spheroidal particles of an inorganic oxide gel which comprises spraying an inorganic oxide sol, capable of gelling, into an atmosphere of condensable vapor substantially free of noncondensable gases, forming said sol into spheroidal droplets within said atmosphere and, while said droplets are still liquid, condensing vapors included therewithin, maintaining said droplets in suspension for a period of time sufficient to permit gelling and thereafter drying the resulting gel particles.

2,468,858
OUTLET FOR HUMIDIFYING DUCTS
Agnew H. Bahnson, Jr., Winston-Salem, N. C.
Application August 9, 1944, Serial No. 548,764
9 Claims. (Cl. 98—40)

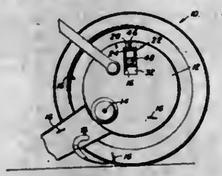


1. An outlet of the type described which comprises a sleeve having the general shape of a truncated cone having one substantially straight side and an opposite side tapered towards the outlet, a flaring flange at the inlet end of said sleeve and a collar mounted at the discharge end of said sleeve, said collar having an outwardly flaring flange and an inwardly extending annular rib circling the outlet adjacent said flange and forming the most constricted point of said outlet.

2,468,859
PREPARATION OF DERIVATIVES OF CHOLESTEROL
Austin Ernest Bide, Ralph John Nicholls, and Peter Alfred Wilkinson, London, England, assignors to Glaxo Laboratories Limited, Greenford, England, a British company
No Drawing. Application March 10, 1947, Serial No. 733,723. In Great Britain March 25, 1946
7 Claims. (Cl. 260—397.2)

1. A process for the preparation of 7-bromo-derivatives of carboxylic acid esters of cholesterol which comprises reacting in a solvent a carboxylic acid ester of cholesterol with a compound selected from the group consisting of N-bromobenzamide, N-bromo-m-nitrobenzamide, N-bromo-p-nitrobenzamide and N-bromo-3:5-dinitrobenzamide.

2,468,860
MOWER SHARPENER
Everett M. Bretz and Mary V. Bretz, De Ridder, La.
Application January 16, 1948, Serial No. 2,746
3 Claims. (Cl. 76—82.1)



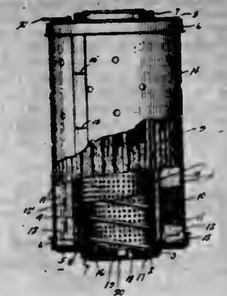
1. A lawn mower sharpener comprising a pair of opposed substantially channel shaped supports mountable on the wheel supporting frame of a lawn mower, said supports being open on one side to provide guide openings, a file having end portions received in said guide openings and slidably mounted in said supports, spring means mounted in said supports for holding said file, resilient pads carried by said supports frictionally engaging the upper periphery of said file, means slidably mounted in said supports for holding said pads, and means for adjusting said pads against said file.

2,468,861
PRODUCTION OF CHLORAL ALCOHOLATE
Walter Bridge, Birkenhead, and James Matchet, Liverpool, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 16, 1944, Serial No. 563,800. In Great Britain December 20, 1943
6 Claims. (Cl. 260—615)

1. A process for the production of chloral alcoholate, which comprises chlorinating ethyl alcohol in a continuous manner by flowing ethyl alcohol through a plurality of vessels arranged in series while continuously introducing chlorine into each of said vessels below the surface of the liquid therein, separately controlling the temperature in each vessel, the first vessel in the series being maintained at a temperature not substantially greater than atmospheric, and collecting the reaction product which overflows from the last vessel in the series.

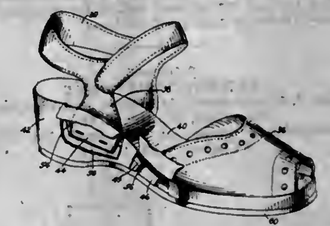
2,468,862
FLUID FILTERING ELEMENT
Southwick W. Briggs, Washington, D. C.
Application October 22, 1943, Serial No. 507,291
7 Claims. (Cl. 210—169)

5. A filtering unit for assembly in a clarifier having a tube for discharging clarified material comprising a foraminous core adapted to be positioned in the clarifier surrounding the discharge tube, a circular end plate concentrically engaging each end of the core and extending radially beyond the periphery thereof, each of said end plates having a central aperture therein, a second apertured plate attached to a surface of each of the end plates and having the aperture in alignment with the aperture of the end plate, said second apertured plates being spaced from the end plates at the aperture, a resilient annular member having an inner diameter less than the diameter of said apertures positioned between each of said end plates and second apertured plates for engaging said discharge tube, and a tubular filtering body surrounding the core and



having its opposite ends secured to said end plates.

2,468,863
SHOE AND BOTTOM MEMBER
Francis A. Burns, Townsend, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 1, 1947, Serial No. 725,904
2 Claims. (Cl. 36—19.5)

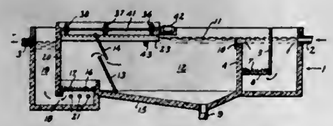


2. A composite bottom member for use in slip-lasted shoes consisting of a platform midsole to which is secured a substantially rigid wedge heel member, said composite bottom member being provided with shallow recesses in its peripheral edge face in the shank portion thereof for the reception of tabs formed at the rear edges of a vamp to be attached to the forepart of the bottom member and being also provided with recesses near the breast line of the heel for the reception of tabs formed at the lower ends of quarter straps to be attached to the rear part of the bottom member, the recesses at the shank portion of said bottom member extending from the top surface to the bottom surface thereof so that the tabs of the vamp may be folded over the edge face and beneath the bottom member without projecting beyond the edge face thereof, and the recesses at the breast line terminating midway between the top and bottom surfaces of said rigid heel member.

2,468,864
SEWAGE TREATMENT AND OIL AND WATER SEPARATION
Warren M. Campbell, Winthrop, Mass.
Application December 29, 1945, Serial No. 638,271
7 Claims. (Cl. 210—5)

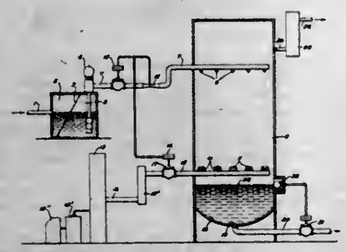
1. A system for water and sewage treatment and oil separation, comprising an elongated tank

having an inlet pipe at one end and an outlet pipe at the other end, a set of spaced baffle walls at the inlet end, the first extending downward from the top of the tank and the second upwards from the bottom of the tank, a filter bed extending across the space between said baffle walls whereby the flow is upwards through the filter bed and over the second baffle wall, a second set of spaced baffle walls in the path of flow to the outlet pipe near the outlet end of the tank, the first of said second set of baffle walls extending from the bottom of the tank upwards across the path of



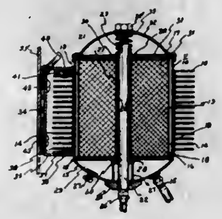
flow and the other of said second set extending from the top of said tank downward therein, a second filter bed extending across the space between said second set of baffle walls whereby the flow is downward through said second filter bed, the liquid flow from the first to the second set of baffle walls being slow and the space comparatively long permitting the oil gradually to rise to the surface in the region of the second set of baffle walls, means for removing the oil from the water in said region and means for draining the sludge from the bottom of the tank.

2,468,865
SEWAGE TREATMENT
John J. Campobasso, Arlington, and Warren M. Campbell, Winthrop, Mass.
Application December 29, 1945, Serial No. 638,270
3 Claims. (Cl. 210—2)



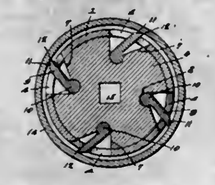
1. A system for sewage disposal comprising in combination a separation tank having a sewage inlet, a purification tower, having purifying gas nozzles in the bottom portions thereof for directing the purifying gases upwards and spray nozzles in the top portion thereof for directing the sewage water to be purified downwards, means for pumping the sewage water from the separation tank to the spray nozzles, means for supplying the purifying gases to said gas nozzles, an outlet means for exhaust gases at the top section of said tower above the position of the spray nozzles, an outlet means for the purified waters below the level of the gas nozzles and means for maintaining the level of said waters below that of the gas nozzles.

2,468,866
OIL FILTER AND COOLER
William S. Collier, Danville, Ill.
Application September 21, 1945, Serial No. 617,809
1 Claim. (Cl. 210—122.5)



An oil filter and cooler comprising a body having a cylindrical portion opened at one end and having a concave closure on the other end, a cylindrical container having a filter space for containing filtering material within said container, filtering material in said filtering space, said container extending coextensively with the cylindrical portion of said body and having its outer wall spaced from the inner wall of the body to form a first annular space, relatively small openings in the outer wall of the container connecting said filter space with the first annular space, said container also having an inner opening therethrough coextensively and concentric with the first annular space, the walls of said inner opening having relatively small openings therein connecting said filter space with said inner opening, the end of the container and the concave closure of the body forming therebetween a space for an oil reservoir, an oil inlet through said concave closure connecting with said oil reservoir space, a pipe through said inner opening of said container closed the one end and the other end extending through the concave closure forming an oil outlet, said pipe being smaller in diameter than said inner opening of said container thereby forming a second annular space concentric with the first annular space, an opening in said pipe connecting with said second annular space, a support for said container positioned around said pipe and resting on the concave closure end of said body, a gasket on said support positioned tightly around said pipe to seal off said second annular space from said oil reservoir space, a second gasket positioned tightly around said pipe for sealing off the other end of said second annular space, a concave lid for the opening in said body, means for attaching said lid to said body through a threaded connection associated with and engaging said lid and said closed end of said pipe, a spring in said lid for holding said gaskets tightly against said container, a plurality of cooling fins fixedly attached around the outer circumference of said body and extending radially outward from said body and a support for holding said body in operative position comprising a plate support member detachably attached to said body, an L-shaped support member fixedly attached to a frame member of the internal combustion engine, said second support member being detachably attached to said body by pins in the horizontal leg of said L-support, said pins engaging openings in a plate attached to said body, the plate support member and the L-shaped support member being detachably connected by having alternating lugs on each member with aligned holes in the lugs to receive a pin, and a pin through said holes for detachably connecting said supporting members, said pin being the only removable part required to be detached for removing said filter from said support.

2,468,867
INTERNAL EXPANDING PIPE WRENCH
Elvin B. Collins, Calvert, Tex.
Application December 12, 1944, Serial No. 567,828
1 Claim. (Cl. 81—72)



An inside wrench comprising a rim having an inwardly projecting flange at one side constituting an abutment, a removable ring joined to the opposite side of the rim, there being circumferentially spaced openings in the rim extending through that side of the rim carrying the ring, a body circular in cross section within the rim and held thereto by the flange and ring, angular recesses in the periphery of the said body positioned to register with the openings in the rim, one wall of each recess being radially disposed relative to the axis of the body and the other wall being angularly disposed with respect to said first-mentioned wall, there being rounded seats at the inner ends of the recesses, dogs mounted for swinging movement in the respective recesses and in respective openings, said dogs having substantially cylindrical bearing portions at their inner ends located in the rounded seats, the outer ends of the dogs being provided each with a biting edge along that side of the dog remote from the radial side wall of the recess in which the dog is mounted, said biting edges being positioned for gripping engagement with the inner surface of the work when the wrench is seated therein and rotated relative to the work, there being an opening in the body for the reception of an actuating tool, the radial side walls of the recesses constituting stops engageable with the dogs, whereby, if the dogs are engaged by said side walls, the biting edges will be retained in gripping engagement with the work.

2,468,868
GLASS OF VERY RAPID FUSION AND HIGH POINT OF TRANSFORMATION
André Danzin and Edouard Despois, Paris, France, assignors to Societe Francaise Radio-Electrique, a corporation of France
No Drawing. Application May 13, 1947, Serial No. 747,836. In France December 27, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 27, 1965
2 Claims. (Cl. 106—53)

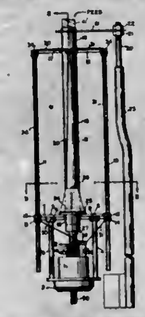
1. A glass of low expansion, low temperature of fusion, relatively high temperature of softening and high fluidity at temperatures a little above that of softening having a composition within the following table:

	Percent
SiO_2	34 to 38
PbO	24 to 30
B_2O_3	20 to 26
Al_2O_3	3.5 to 5.5
ZnO	8 to 9

2,468,869
ORGANOSILICON COMPOSITIONS AND METHODS OF MAKING THEM
William Herbert Daudt, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application February 15, 1946, Serial No. 648,001
5 Claims. (Cl. 260—448.2)

1. A composition of matter comprising a major proportion of a liquid polymeric organo siloxane having on the average more than 10 silicon atoms per molecule, in which all the organic radicals are methyl radicals, there being at least 2 methyl radicals attached to each silicon atom, and a minor proportion in amount of at least 10 percent by weight of an organo siloxane having on the average less than 6 silicon atoms per molecule, each silicon atom thereof having at least 2 hydrocarbon radicals attached thereto, in which latter organosiloxane the hydrocarbon radicals are both methyl and phenyl radicals.

2,468,870
MEANS FOR MANUFACTURE OF RUG BRAIDS
Seymour Eskow, Taunton, Mass.
Application July 19, 1946, Serial No. 684,699
5 Claims. (Cl. 66—9)

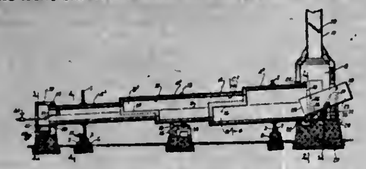


1. Means for manufacturing a cord having a knitted cover and a soft yarn filler, comprising in combination a circular knitting machine having a knitting mechanism, including a rotating frame, by which the cover is made, said rotating frame including a tube through which the yarn filler is drawn, the tube having its axis concentric with that of the rotating frame and with one end thereof adjacent thereto, said tube having an internal diameter of the size such that the yarn contacts said end and twists therewith as the tube is rotated, and means connecting the tube with the rotating frame for rotating them together.

2,468,871
ROTARY DRIER
George P. Forni, Emeryville, Calif.
Application June 17, 1944, Serial No. 540,810
3 Claims. (Cl. 34—137)

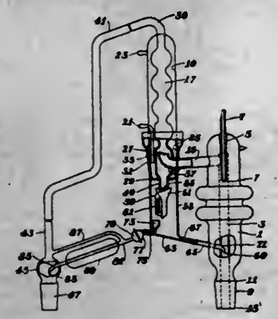
1. In a rotary dryer, a rotatable tube inclined downwardly from the inlet to the outlet end, means for rotating the tube for causing material received at the inlet end to gravitate toward the outlet end of the tube, means for directing heated air through the tube, said tube being divided into a plurality of interconnected sections of progressively reduced diameters from the inlet to the outlet end, the axes of all of the sections being

aligned with the axis of rotation of the tube, each section except the outlet end section having semi-cylindrical portions of the same radius as its respective section extending an appreciable distance into the next smaller diameter section, the said next smaller diameter section having a cut out portion communicating with the semi-cylindrical portion of the next larger section, the overlapping of the semi-cylindrical portion into the next smaller section forming a pocket with a



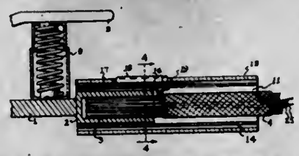
semi-circular step at its juncture with the smaller section and two longitudinally extending and diametrically opposed shoulders that extend throughout the length of the pocket, each pocket causing its longitudinal shoulder to lift the material thereon and empty it into the next section when the rotation of the tube is in a position to dispose the pocket in the upper tube half, the material in dropping from the shoulder by gravity, passing through the tube interior and thus being heated.

2,468,872
DISTILLING HEAD
Albert W. Goldsbarry, Northbrook, and Howard S. Martin, Glenview, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application January 1, 1945, Serial No. 570,978
4 Claims. (Cl. 202—185)



1. A glass distilling head comprising, an insulated vapor passageway adapted to fit tightly on the top of a fractional distilling column, a condenser having a condensate outlet at the bottom thereof, a condensate receiving section below said condensate outlet and connected to said condenser means for passing vapor from said passageway directly to the bottom of said condenser above said outlet and bypassing said condensate receiving section, a pressure equalization line connecting the top of said condenser to said condensate receiving section a swingable funnel in said condensate receiving section positioned to permit the entire condensate from said condenser to pass therethrough, means for returning condensate from said funnel to the fractional distilling column, means to conduct condensate from said funnel to a collecting vessel, means to change the position of said funnel in order to permit said funnel to deliver condensate to either said vessel or to said fractional distilling column.

2,468,873
WELDING ELECTRODE HOLDER SWITCH
Sidney M. Harvey, Detroit, Mich.
Application September 1, 1948, Serial No. 47,280
3 Claims. (Cl. 200—157)



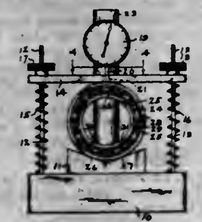
1. In a switch for a welding electrode holder, inner and outer insulating members, a pair of spaced contacts fixed on the inner insulating member, an elongated resilient bridging conductor interposed between said members and having its end portions seating on the inner member and its mid portion normally sprung against the outer member and clear of said contacts, and a push button secured to said mid portion for springing such portion against the contacts, the outer member being apertured to receive and confine said button, whereby said conductor is maintained in operative relation to the contacts.

2,468,874
TORSION DRIVEN TOOL
Karl G. R. Hawkins, Park Ridge, Ill.
Application November 7, 1946, Serial No. 708,322
1 Claim. (Cl. 77—71)



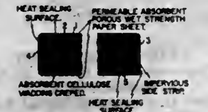
A torsion tool comprising a body having a cutting portion and a cylindrical shank adapted to be engaged by a standard rotary 3-jaw chuck, the major area of said shank presenting an unbroken cylindrical surface for engagement by the chuck jaws, and a small torsion key lug swaged up from said cylindrical surface and projecting from said surface intermediate the ends thereof, said lug being substantially shorter than said cylindrical surface and of a width and extent less than the spacing between adjacent jaws of the chuck when tightened against the cylindrical surface so that the lug can be received freely in such space to limit torsional slippage of the chuck jaws.

2,468,875
RADIAL CLEARANCE GAUGE
Karl E. Henriksen, Indianapolis, Ind.
Application February 14, 1946, Serial No. 647,466
5 Claims. (Cl. 33—174)



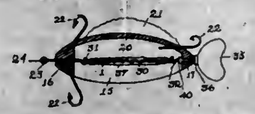
1. The method of determining radial clearance in a bearing between inner and outer races and rolling elements therebetween which comprises applying a yielding load radially of the outer race to an amount which will just give a perceptible variation in the over all diameter of said outer race as the inner race is rotated to carry a rolling element past the zone of load application; rocking the inner race to carry a rolling element into the zone of said load application and measuring the difference between the initial unloaded outer race position and the loaded position thereof with said element in said zone.

2,468,876
SANITARY PAD
William A. Hermanson, Boston, Mass.
Application April 30, 1945, Serial No. 590,979
6 Claims. (Cl. 128—290)



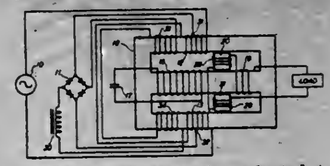
1. A sanitary napkin pad comprising a plurality of layers of highly absorbent cellulose creped sheets forming a wadding, an enclosing paper web wrapper permeable to moisture having wet strength and substantially no capillary action, said wrapper being of a duplex web, the exposed faces of which are composed of fibres having no heat sealing properties, the inner faces of which are formed with fibres having heat sealing properties whereby said wrapper is bonded to said wadding on its anterior and posterior faces.

2,468,877
FISH BAIT
William P. Horton, Newburyport, Mass.
Application October 6, 1947, Serial No. 778,166
1 Claim. (Cl. 43—43)



In a fish bait, a twisted rubber strand and a water soluble glue coating formed on said strand, whereby to cause said strand to simulate the motions of a live bait when immersed in water.

2,468,878
FREQUENCY REDUCER
Henry M. Hage, Lorain, Ohio, assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio, a corporation of Ohio
Application July 19, 1945, Serial No. 605,969
15 Claims. (Cl. 172—281)



15. A subharmonic generator adapted to be energized by a source of alternating current and to generate a frequency which is an even subharmonic of the frequency of said source, said generator comprising magnetic core means, a primary circuit and a second circuit, said primary and said secondary circuits comprising at least three windings on said core means, said primary circuit being adapted to be energized by said source for magnetizing said core means, said primary and secondary circuits being disposed to provide a substantially conjugate relationship therebetween, biasing means adapted to supply unidirectional current to said primary circuit, said primary circuit and said biasing means exciting at least a portion of said magnetic core means to a saturated condition, said biasing means comprising a rectifier and circuit means for energizing said rectifier with voltage of the source frequency and with subharmonic voltage, and a capacitor connected to the secondary circuit, said capacitor in cooperation with said primary and secondary circuits and said magnetic core means exciting subharmonic oscillations in the secondary circuit when the said at least a portion of said core means is saturated by the combined effect of said biasing means and said primary circuit.

2,468,879
SKI BINDING
Hjalmar Hvam, Portland, Oreg.
Application January 29, 1948, Serial No. 5,139
4 Claims. (Cl. 280—11.35)

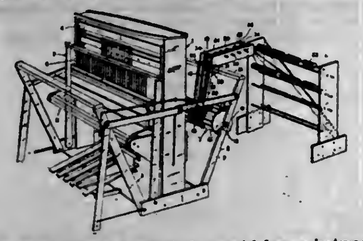


3. Shoe positioning means for positioning a skier's shoe on a ski, consisting of two plates superimposed one upon the other, means formed in one of said plates to be received by means formed in the other plate for adjusting the plates longitudinally with respect to each other, and means for securing said plates in engagement with each other and both of said plates in pivotal attachment to the ski.

2,468,880
WARP TENSIONING DEVICE
Nellie S. Johnson and Albert F. Sargent, Detroit, Mich.; said Sargent assignor to said Johnson
Application May 24, 1948, Serial No. 28,784
4 Claims. (Cl. 28—35)

2. A device for tensioning warp threads being wound upon a warp beam of a loom, comprising

a frame adapted to be mounted on the rear rail of the loom, guide elements for the warp threads mounted on said frame, tensioning means for

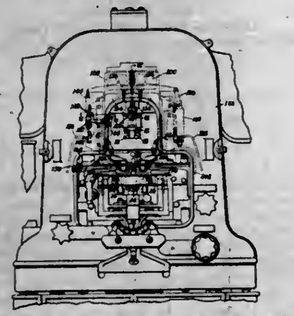


the warp threads mounted on said frame between said guide elements and a guide for the warp threads between said frame and the warp beam, said guide being secured to said frame.

2,468,881
MANUFACTURE OF 3-TETRAHYDROFURANONE
Alan Woodworth Johnson, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 19, 1946, Serial No. 691,651. In Great Britain August 31, 1945
3 Claims. (Cl. 260—345)

1. Process for the manufacture of 3-tetrahydrofuranone which comprises heating 2-butine-1,4-diol with a mercury salt of an amide at the reflux temperature of the reaction mixture in the substantial absence of water.

2,468,882
LASTING MACHINE
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 19, 1947, Serial No. 729,568
33 Claims. (Cl. 12—10.5)



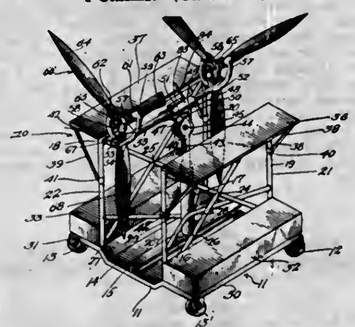
12. In a lasting machine, grippers for gripping the margin of an upper mounted on a last and for pulling the upper at the opposite sides of the toe respectively in locations near portions of the upper extending inwardly over an insole on the last at the sides of the forepart beyond the toe, said grippers each comprising a pair of upper-gripping jaws relatively movable to grip the upper between them, members movable properly to position the upper between the jaws of said grippers before it is thus gripped by engagement with portions of its margin located between said grippers and the portions of the upper extending inwardly over the insole, supports for said members relatively to which they are thus movable, said supports being movable relatively to each other widthwise of the shoe and having means thereon for engaging the sides of the shoe to position said members widthwise of the shoe as determined by such engagement, and cylinder-and-piston devices on said supports for operating said members by fluid pressure.

2,468,883
AIRPLANE WING
Roland A. La Pointe, Bangor, Maine
Application January 3, 1946, Serial No. 638,765
5 Claims. (Cl. 244—13)



1. An aircraft including a low aspect ratio wing, and chordwise extending nacelles, enclosing propulsion means, mounted on each wing tip and coextensive therewith in a chordwise direction, said wing comprising a substantially continuous and flat lower surface, forward and rear cambered upper surfaces, and tapered leading and trailing edges, said cambered upper surfaces being arranged spaced from both tapered leading and trailing edges and spaced from one another in a chordwise direction.

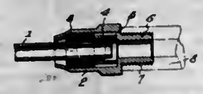
2,468,884
PROPELLER DOLLY
Louis L'Esperance and Hubert A. Schneider, Madison, Wis.
Application May 12, 1945, Serial No. 593,404
4 Claims. (Cl. 214—1)



1. Apparatus for use in handling aircraft propellers which includes a mobile platform having a longitudinal trough in its bottom, a frame rising from the platform adjacent each longitudinal side edge of the trough, a shelf at the upper edge of each side frame adapted to extend outwardly therefrom to support workmen engaged in mounting and demounting propellers with relation to

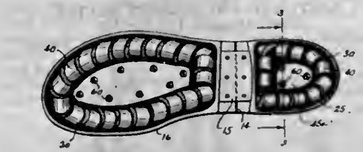
the engines mounted in aircraft, a power lift mounted on the platform intermediate the sides and ends of the trough to move vertically between the frames and propeller cradles carried by the power lift and movable therewith between the ends of the frames.

2,468,885
PIPE JOINT
John Lubbock, London, England
Application March 20, 1946, Serial No. 655,820
In Great Britain February 2, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 2, 1965
1 Claim. (Cl. 285—90)



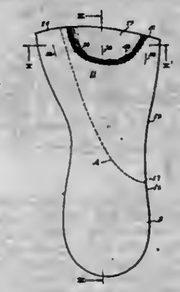
A fluid-tight seal for connecting a pipe and a union member, comprising a cylindrical sleeve of elastic material normally of substantially uniform diameter from end to end embracing one end of said pipe and having an internal diameter normally smaller than the external diameter of the latter, a comparatively rigid expander member having a larger diameter than that of the pipe and adapted to surround the end of said pipe with a portion of said sleeve interposed therebetween, said sleeve being turned back on itself to overlie a portion of said expander member, and a casing surrounding said turned back sleeve and expander member and provided at one end with an extension forming a part of said union member, the casing being so dimensioned with respect to said expander member that that portion of the sleeve which lies between the casing and exander is always under compression diametrically.

2,468,886
SHOE SOLE
William J. Lutey, Seattle, Wash.
Application May 24, 1947, Serial No. 750,181
5 Claims. (Cl. 36—29)



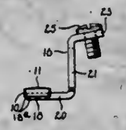
1. A tread for shoes and the like comprising a base member having a continuous, downwardly opening channel formed therein about its peripheral portions and a replacement tread member comprising a flat metal plate adapted to be disposed against the island portion of said base member that is enclosed within the continuous channel, means for detachably securing the said plate to the island portion; said plate having its peripheral portion bent upwardly into the channel adjacent its inner wall and formed with a horizontal flange that overlies the base surface of the channel and a resilient tread strip fixed on said flange and held seated in said channel thereby and extending from the channel beyond the undersurface of the base member.

2,468,887
METATARSAL AND OUTER LONGITUDINAL ARCH SUPPORT
Edward F. Malouf, San Jose, Calif.
Application February 1, 1947, Serial No. 725,771
3 Claims. (Cl. 36—71)



1. A metatarsal and outer longitudinal arch support comprising a substantially triangular-shaped cushion having the base of the triangle extending under the second, third, fourth and fifth metatarsals of the foot for raising them to the proper elevation with respect to the first metatarsal, and the apex of the triangle extending under the outer longitudinal arch, the portion of the triangle underlying the heads of the second, third and fourth metatarsals being recessed to relieve any pressure thereagainst.

2,468,888
METAL-BACKED NONWELDING CONTACT
Harold L. Mekelburg, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 25, 1944, Serial No. 555,646
10 Claims. (Cl. 200—166)

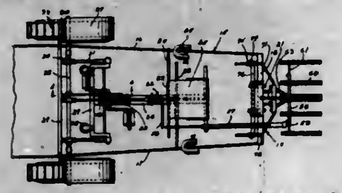


1. A molded contact comprising an active part of non-welding material and a backing therefor of fusible metal integrally united therewith, said backing comprising a thin layer of said metal to provide for attachment of the contact to a metal support by welding or brazing, and said contact being so shaped as to provide a receptacle between the same and the metal support for all excess of fused metal or brazing material, thereby to guard against flow of the fused metal or brazing material onto said active part of the contact.

2,468,889
PORTABLE PROPELLING APPARATUS FOR SMALL FISHING CRAFT
Anthony Montalbano, Baton Rouge, La.
Application May 1, 1947, Serial No. 745,276
6 Claims. (Cl. 115—25)

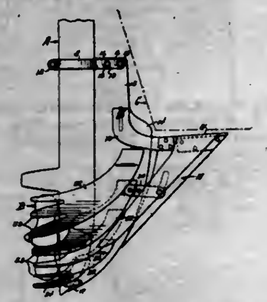
1. A portable propelling apparatus for boats and the like comprising a longitudinally adjustable frame adapted to extend along the center of the boat, a U-shaped member connected to the forward end of the frame and extending

upwardly therefrom, attaching devices on the U-shaped member for detachably connecting the frame to the bottom of the boat, arms connected to the upper end of the U-shaped member for pivotal movement in a vertical plane, a shaft journalled on the free ends of the arms and



extending across the boat, water wheels fixed to the shaft and adapted to extend into the water at the opposite sides of the boat, and means for retaining the arms and the shaft in any one of several vertically adjusted positions whereby to effect the adjustment of the water wheels to different depths within the water.

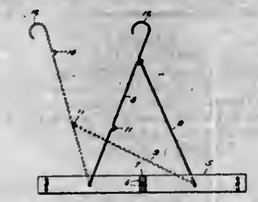
2,468,890.
PROPELLER GUARD AND DEFLECTOR FOR OUTBOARD MOTORS
Rockford W. Moore, Wichita, Kans.
Application April 2, 1946, Serial No. 659,070
2 Claims. (Cl. 115—42)



1. A guard for a motor boat propeller assembly having a hanger bracket with a propeller supported thereby, comprising a deflector wing forward of the bracket and propeller, means for detachably connecting the wing parallel with the bracket and upstanding thereto a vertically swinging linkage connecting said bracket to said wing at the lowermost portion thereof to permit said wing to be detached from said bracket and an adjustable fin aligned with the wing in a forward direction thereto to prevent shedding toward the bottom of the boat, and a plurality of vertically spaced, outwardly, downwardly, rearwardly curved shields at opposite sides of the wing for partially caging the propeller and bracket, and finger formations at the outer free ends of the shields.

2,468,891
CLOTHES DRIER
Joseph B. Neiser, Oakland, Calif.
Application January 14, 1947, Serial No. 721,908
1 Claim. (Cl. 211—113)

A portable article drying rack, comprising a frame, including a central spacing bar, end bars removably connected with the central spacing bar at the ends of the spacing bar, elongated hook members pivotally connected to the transversely extended end bars at one side of the central spacing bar, brace rods pivotally connected to the transversely disposed end bars at the op-



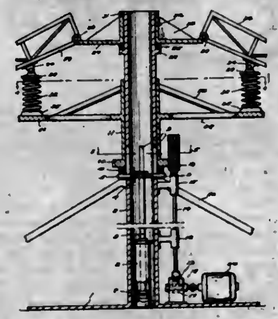
posite side of the central spacing bar and cooperating with means on the hook bars in securing the hook bars in various angular positions of adjustment with respect to the transversely disposed end bars, and lines connecting the transversely disposed end bars, on which articles are adapted to be secured.

2,468,892
SUPPORTING GIRT
George W. O'Keeffe, Elkins Park, Pa., assignor to Procter & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application February 5, 1948, Serial No. 6,538
5 Claims. (Cl. 34—240)



1. A girt structure for supporting web and strip goods comprising an elongated tubular member of relatively heavy gauge coarse wire mesh, and an outer sleeve of relatively coarser open mesh construction on said member composed of substantially heat-resistant and thermally low conductive material.

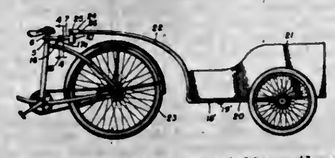
2,468,893
AIRPLANE AMUSEMENT DEVICE
Albert Orance, Chicago, Ill.
Application March 19, 1946, Serial No. 655,493
5 Claims. (Cl. 272—36)



1. An airplane amusement device including a base having an upstanding cylindrical support

thereon, a collar formed with a peripheral flange on its lower end rotatably mounted on the upper end of said support, a plurality of girders hinged at their inner ends to said peripheral flange, airplanes supported on the outer ends of said girders, a vertically adjustable collar rotatably mounted on said cylindrical support in spaced relation below said first-mentioned collar being movable toward and away from the same and formed with a concentric supporting ring tied to said collar by means of radial arms and bracing rods, coil springs seated on said ring with their upper ends positively attached to said girders for resiliently supporting the same and for providing the driving connection between said lower collar and said girders, a gear formed about the lower end of said lower collar, an elongated driving gear intermeshed therewith, means for rotating said driving gear, and means for raising and lowering said lower collar and ring to raise and lower said connected girders for elevating and lowering the airplanes with respect to the ground as the airplane amusement device is operated.

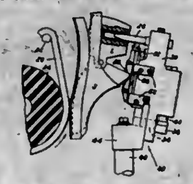
2,468,894
BICYCLE TRAILER COUPLING
Willard R. Peek, San Antonio, Tex.
Application April 5, 1947, Serial No. 740,049
4 Claims. (Cl. 280—204)



4. In a bicycle, a sleeve insertable on the seat-post of a bicycle, a set-screw carried by said sleeve adapted to bear against the seat-post, a second vertically positioned sleeve, closed at its lower end and having a slot therein, a connecting bar between said sleeves, an adjustable split collar carried by said bar, a pair of adjustable brackets carried by the bicycle frame and adjustably connected to the ends of said collar for supporting the connecting bar in a horizontal position, a handle carried by the trailer, the outer end of said handle extending above the rear wheel of said bicycle, and a flat vertical coupling pin pivotally connected to the front end of said handle, said coupling having its lower side edges notched out to provide means for engaging the side edges of the slot in the closed end of said second named sleeve whereby the pin is rotatable horizontally.

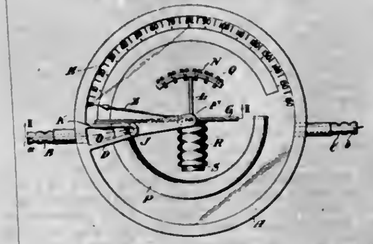
2,468,895
LAST SUPPORT FOR LAST INSERTING MACHINES
John William Pratt, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 29, 1947, Serial No. 771,193
In Great Britain September 21, 1946
7 Claims. (Cl. 12—15)

7. A machine for mounting shoe units on lasts comprising, a driven friction tool engageable with the bottom of a shoe unit loosely mounted on a last in extended condition, a support for the last including a block, a last pin projecting from the block adapted for binding engagement with the thimble of the last, a plate affixed to said block on the side from which said last pin projects having serrations extending transversely of said block, a member having a V-shaped notch adapted to engage the front cone of the last, said notch extending widthwise of the last to seat the cone tip, a plate secured to said member having serrations adapted to cooperate with the aforementioned serrations, spring pressed plungers associated with said block for yieldingly holding one



of said serrated plates out of engagement with the other, and means for limiting movement of said member relatively to said last pin, and a yieldable slide on which said support is pivotally mounted for maneuvering the shoe unit bottom in operative engagement with the friction tool, said support serving to maintain the last in extended condition.

2,468,896
INSTRUMENT FOR MEASURING AND INDICATING THE INTENSITY OF GAS CURRENTS
Wilhelm Rohn, Hanau on Main, Germany; vested in the Attorney General of the United States
Application April 28, 1941, Serial No. 390,768
In Germany April 15, 1940
4 Claims. (Cl. 73—210)

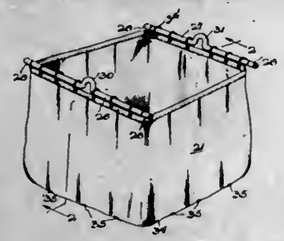


1. An instrument for measuring and indicating the intensity of a gas current and reducing the measurement to indications of rate of flow at normal conditions of temperature and pressure, comprising a casing having a wall having an orifice through which the fluid to be metered flows, a shaft rotatably mounted in said casing, a lever carried by the shaft, a damming body carried by the lever and cooperating with said orifice to be responsive to the rate of flow, a weighted bimetallic strip connected with said lever to compensate for temperature changes, and a weighted corrugated tube, closed at both ends and connected with said lever to compensate for pressure changes, and indicating means including a movable member carried by the shaft.

2,468,897
MAILBAG
Walter F. Rothe, Washington, D. C.
Application February 10, 1947, Serial No. 727,527
1 Claim. (Cl. 150—13)

A mail bag for use in deposit and collection mail boxes of the type having bag supporting

track means, comprising an openable and closable wide mouth of parallelogram configuration when in open position, a bottom portion with a plurality of drainage apertures therein, supporting rods secured to two opposite edges of the



mouth of the bag for opening and closing the same, said rods having reduced rounded ends, supporting rollers mounted for rotation around said reduced rounded ends and for co-action with said supporting track means and medial lock connectable handle loops formed from each rod.

2,468,898
TRANSMISSION BELT
Lester H. Shingle, Philadelphia, Pa.
Application October 31, 1945, Serial No. 625,771
2 Claims. (Cl. 74—232)

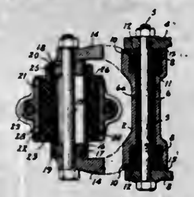


2. A transmission belt comprising a leather facing and a plurality of load-carrying substantially non-stretchable strands affixed to said facing, said strands being tensioned, and strands nearer the side edges of the facing having a greater tension than those nearer the center line of the belt.

2,468,899
ALKYLATION OF HYDROCARBONS
Carlisle M. Thacker, Highland Park, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application March 15, 1945, Serial No. 582,990
8 Claims. (Cl. 260—683.4)

4. The method of reacting paraffins having at least 3 carbon atoms per molecule with olefinic hydrocarbons comprising, subjecting a mixture of said paraffins and olefinic compounds to temperatures of approximately 750°–1100° F. and pressures in excess of 500 pounds per square inch in the presence of a catalyst consisting of about 0.1 to 5 per cent of the charge by weight of bromine and 0.4 to 9.9 per cent of the charge by weight of a compound selected from the group consisting of carbon tetrachloride, carbon tetrabromide, chloroform, and bromoform.

2,468,900
ENGINE MOUNT
Leon F. Thiry, Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 11, 1944, Serial No. 567,609
9 Claims. (Cl. 248—5)



1. An engine mount comprising a support, an annular group of supporting links converging toward a point spaced laterally from said support and pivotally connected at their outer ends to said support and at their inner ends to the engine, one pivotal connection of each link comprising a pivot shaft transverse to the link, a sleeve turnable upon said shaft and held against axial movement thereon, a tubular connecting member surrounding the sleeve and an elastic rubber bushing interposed between the sleeve and t bular member and yieldably connecting the sleeve and tubular member, an internal confining shoulder carried by the tubular member and having an internally beveled face engaging one end of said elastic bushing, an external confining shoulder carried by the sleeve and having an externally beveled face engaging the opposite end of the bushing, said shoulders exerting axial pressure on the bushing and increasing resistance to relative axial movements of the sleeve and tubular member in one direction, the confining shoulders in the pivotal connections of certain of the links throughout the annular group being reversely arranged with respect to the confining shoulders of other pivotal connections.

6. A mount for a radial engine comprising a plurality of annularly disposed cushioning elements arranged for absorbing oscillatory engine motion about the axis of said engine, each of said elements comprising a snubber means, wherein each of said cushioning elements comprises a member for attachment to said engine, another member for attachment to a support and a resilient element secured between said members for resiliently resisting motion therebetween in a direction transverse to the axis of said engine, said snubber means comprising elements secured to said members and arranged to compress said resilient element in one direction of relative motion between said members but not in the opposite direction.

2,468,901
CUSHIONING AND VIBRATION DAMPING SUPPORT
Leon F. Thiry, Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 20, 1945, Serial No. 623,499
8 Claims. (Cl. 248—10)

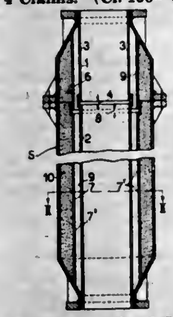


1. A support comprising two members having opposed seating portions and a cushioning unit

interposed between said seating portions and supporting one of said members, said unit comprising spaced elastic rubber cushioning and bumper blocks and means flexibly connecting the blocks, said bumper blocks being of less thickness than the cushioning blocks.

5. A support comprising an outer member having an opening and circumferentially spaced oppositely inclined seats projecting into said opening, an inner member having circumferentially spaced oppositely inclined seats opposed to the seats of the outer member, and an elastic rubber cushioning ring comprising cushioning blocks, bumper blocks and relatively thin webs connecting said blocks, said blocks being interposed between said seats and said bumper blocks being of less thickness than the cushioning blocks.

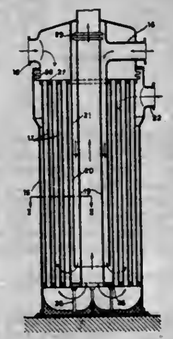
2,468,902
DOUBLE-WALLED BODY FOR HOT GASES OR VAPORS UNDER SUPERATMOSPHERIC PRESSURE
Eugen Villiger, Zurich, Switzerland, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland
Application August 21, 1945, Serial No. 611,876
In Switzerland October 20, 1944
4 Claims. (Cl. 138—64)



1. In a conduit for confined flow of high temperature gaseous pressure fluids, the combination of a pressure resisting external tube, formed of a material whose physical properties would be impaired at the temperature of the fluid to be conveyed; a pervious heat insulating lining within said tube; a flow directing internal tube spaced from said lining within the same; and means forming at least one rigid-walled hollow interspace affording a dead gas space of substantial volume between said internal tube and the internal surface of said lining, said interspace being in restricted communication with the interior of the internal tube and with the pervious body of said lining at points relatively so remote and so chosen with reference to the flow through the internal tube that said flow cannot induce sustained flow through the interspace.

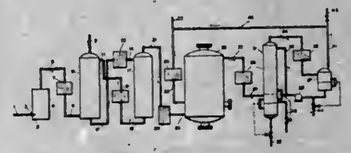
2,468,903
VERTICAL TUBULAR HEAT EXCHANGER
Eugen Villiger, Zurich, Switzerland, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland, a corporation of Switzerland
Application August 28, 1946, Serial No. 693,451
In Switzerland September 22, 1945
1 Claim. (Cl. 257—222)

A vertical tubular heat exchanger, in which a medium is to be heated on the contraflow principle by flue gases which arrive at a considerable height above ground, comprising a vertical cylindrical shell; a vertical tube nest built into said shell and comprising an upper and lower plate into which the tubes of this nest are fixed; an upper header provided at the top end of said shell and having an inlet for flue gases, said header serving to distribute said gases over the upper extremity of the tubes of said nest; a lower header in communication with said tubes; a chimney tube built into said shell coaxially with said tube nest as the innermost body, in communication with said lower header and leading to a point



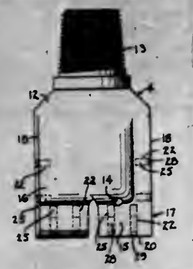
external to the heat exchanger; a second tube surrounding said chimney tube and leaving an annular space between the latter and itself and communicating at its lower end with the space which is bounded by said shell, said upper and lower plates of the tube nest and said chimney tube; a second inlet provided at the top of said shell for the incoming medium to be heated and connected to said second tube; and an outflow connection for heated air leading from the upper end of the space bounded by the shell, the upper and lower plates of said tube nest and the chimney.

2,468,904
PRODUCTION OF CARBON BISULFIDE
Cary R. Wagner, Utica, Ohio, assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 10, 1945, Serial No. 610,180
10 Claims. (Cl. 23—206)



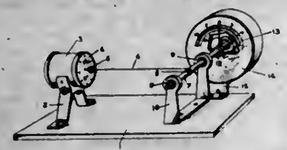
1. A method for the disposal of hydrogen sulfide and the simultaneous production of carbon bisulfide comprising reacting said hydrogen sulfide with a hydrocarbon in the fluid state and sulfur dioxide in the presence of a catalyst at a temperature below about 500° C. and recovering the carbon bisulfide.

2,468,905
MEANS FOR DETECTING WEAR ON BITS
John B. Warren, Jr., Houston, Tex.
Application June 11, 1943, Serial No. 490,431
4 Claims. (Cl. 255—61)



1. In combination with a rotary drill bit having a cutting blade, an opening extending into the blade, a charge of radioactive material together with a compressed fluid to effect discharge of such material, a wear piece positioning said charge a predetermined distance from the cutting edge of such blade whereby such material is released to indicate that such predetermined wear has occurred.

2,468,906
PRECISION MEASURING INSTRUMENT HAVING A THREAD FOR A MOTION TRANSMISSION LINK
William Whitehead, Forest Hills, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware
Application January 4, 1945, Serial No. 571,236
4 Claims. (Cl. 73—386)



4. In an aneroid barometer comprising an evacuated chamber provided with a flexible diaphragm adapted to move on variation in external pressure and indicating means responsive to the motion of said diaphragm, a thread intermediate of said diaphragm and said indicating means adapted to transmit the diaphragm movement to said indicating means, said thread comprising a high tenacity, dimensionally stable regenerated cellulose thread of stretched and saponified continuous filaments having a basis of an organic ester of cellulose, and having an elongation no greater than 0.3% over a variation in relative humidity of 10 to 100% and an elongation of no greater than 0.5% over a temperature variation of from −50 to +80° C.

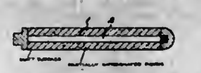
2,468,907
ELECTRIC FENCE POST
Robert M. Wilson and Goddie F. Phillipps, Battle Creek, Mich.
Application February 13, 1947, Serial No. 728,292
2 Claims. (Cl. 174—45)

2. In an electric fence post of the kind described, a fence post of symmetrical cross-section, a J-bolt threaded at the outer end only of its leg and having its bent end of reverse curve formation hooked around said post, a nut on said bolt acting when screwed up to clamp said bolt im-



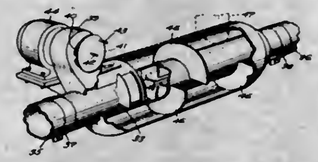
movably on said post, and an insulator carried by said bolt and centered on the side of the post, said insulator being interposed between the nut and the post.

2,468,908
LOOM TEMPLE
Thomas Clifford Woodman, London, England, assignor, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
Application September 16, 1943, Serial No. 502,573
In Great Britain September 28, 1942
1 Claim. (Cl. 139—294)



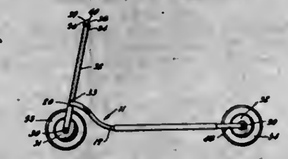
A resilient member having the consistency of a block of soft vulcanized rubber, said resilient member comprising a cylindrical body of matted fibres, said body of fibres being partially impregnated with a flexible film-forming material in an amount of from 10 to 25% of the weight of fibres and having a core of unimpregnated fibres, the average density of said core being from 0.2 to 0.4 gram per c. c., said member having a bore for the reception of a spindle and suitable for employment as the cloth-engaging part of a loom temple roller.

2,468,909
AUXILIARY AIR HEATER
Milburn E. Yeager, Needham, and Andrew J. Cnossen, Beheboth, Mass.; Evelyn M. Yeager executrix of said Milburn E. Yeager, deceased; said Evelyn M. Yeager assignor to said Cnossen
Application January 3, 1946, Serial No. 638,878
2 Claims. (Cl. 257—2)



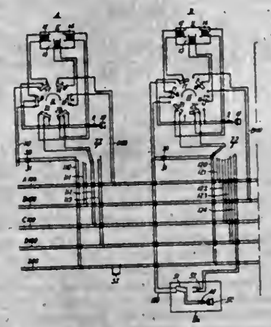
1. A heat exchanger comprising a cylindrical casing, a central flue section having an axial opening at each end for connection in a flue, an air inlet opening in the casing wall adjacent one end, an air outlet opening in the casing wall adjacent the other end, spaced baffles of half torus shape mounted between said flue section and casing on opposite sides of the flue section, whereby air passing through the casing to be heated alternately contacts opposite side portions of the flue section, and a thermostatically controlled blower device having its air outlet communicating with the exchanger inlet opening.

2,468,910
SCOOTER CONSTRUCTION
John Zainer and Alexander J. Tibores, Detroit, Mich.; said Zainer assignor to said Tibores
Application April 12, 1948, Serial No. 861,755
1 Claim. (Cl. 280—87.04)



A scooter comprising a frame having a pair of spaced side bars and a plurality of cross bars between said side bars, said side bars having opposed apertures adjacent their rear terminals, a rear axle supported in the apertures in said bars, a rear wheel rotatably mounted on said rear axle, said bars having upwardly and forwardly inclined extensions at their forward terminals, a bearing fixed to the forward extremities of said extensions, a spindle projecting through said bearing, a fork fixed to the lower end of said spindle having a head portion forming a seat for the bearing, a tubular head embracing said spindle, the lower end of said head being seated upon said bearing, an annular bearing flange integrally formed with the upper end of said head, a disk integrally formed with the upper end of said spindle and bearing upon said flange, a conical extension integrally formed with said disk and having a transverse bore, a handle bar engaging the bore and fixed thereto, a front axle and wheel carried by said fork, and a platform carried by said frame, said platform including depending side flanges fixed to said side bars.

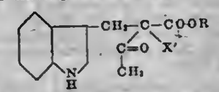
2,468,911
COMMUNICATION SYSTEM
William Ross Aiken, Berkeley, Calif.
Application October 19, 1945, Serial No. 623,233
15 Claims. (Cl. 179—1)



1. For a multistation intercommunication system, a station unit including a sound translating device, a multistage amplifier possessing an omnistage input, an interstage input and an output, a reception line for weak signals, a reception line for strong signals, a transmission line and means including a talk-listen switch whereby in one position of adjustment of said switch said sound translating device is connected to said omnistage amplifier input while said amplifier output is connected to said transmission line and whereby in another position of adjustment of said switch said reception line for weak signals is connected to said omnistage amplifier input and said reception line for strong signals is connected to said interstage amplifier input and said amplifier output is connected to said sound translating device.

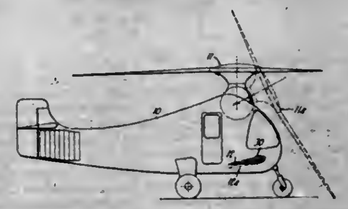
2,468,912
ALKYL ESTERS OF α-ACYL, α-ACYLAMINO, β(3-INDOLE)-PROPIONIC ACID
Noel F. Albertson, East Greenbush, and Sydney Archer and Chester M. Suter, Albany, N. Y., assignors, by mesne assignments, to Winthrop-Stearns, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Original application March 2, 1944, Serial No. 524,776. Divided and this application August 17, 1948, Serial No. 44,806
1 Claim. (Cl. 260—319)

An ester having the formula



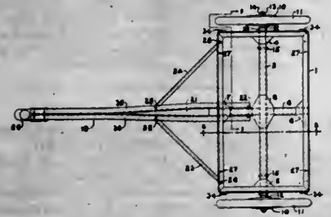
where X′ is acylamino and R is lower alkyl.

2,468,913
AIRPLANE AND HELICOPTER SUSTAINED AIRCRAFT
Harold T. Avery, Oakland, Calif.
Application November 22, 1943, Serial No. 511,304
7 Claims. (Cl. 244—7)



1. In an aircraft the combination of a rotor adapted to sustain the craft in vertical flight, said rotor comprising a power driven shaft and a plurality of blades attached thereto in a manner permitting alteration of blade pitch, wings adapted to sustain the craft in other than vertical flight, means for altering the relative proportions of craft load carried by the rotor and by the wings comprising mechanism for displacing the shaft of the rotor about an axis extending generally transversely of the craft, means uniformly operable in all displaced positions of the rotor shaft for selectively adjusting the pitch of said blades comprising mechanism including a member movable along the axis about which displacement of the rotor shaft takes place, for simultaneously varying the pitch of all of said blades and mechanism including a second member independently movable along said axis for cyclically varying the pitch of each of said blades.

2,468,914
FOLDABLE VEHICLE
John J. Banaszak and Walter J. Banaszak, Battle Creek, Mich.
Application July 10, 1947, Serial No. 760,063
7 Claims. (Cl. 280—40)



1. In a foldable vehicle of the two wheel type, the combination of a frame, a downturned main channel member and a downturned channel member crossing the main channel member on the under face of said frame, a pair of stub axle shafts, a wheel on the outer end of each stub axle shaft and means for pivotally mounting said stub shafts on either of said channels whereby said wheels may be folded to occupy positions beneath the frame.

2,468,915
PATCH POCKET AND METHOD OF MAKING SAME
George W. Bayless, Los Angeles, Calif., assignor to Tobias Kotzin, Los Angeles, Calif.
Application August 13, 1946, Serial No. 690,224
6 Claims. (Cl. 2—247)

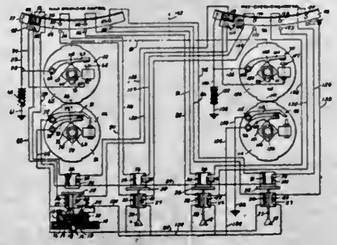


1. In a pocket construction for a garment: a fabric member having a first fold substantially central of the top edge and extending downwardly from the top edge, said member also having a portion overlying said first fold at the top edge whereby a fullness results adjacent the center portion of the top edge; said member also having another fold across the member transverse to the first fold to provide a crest or high point at the fold where the fullness occurs.

2,468,916
METHOD FOR PRODUCING ORGANIC TITANIUM COMPOUNDS
James Eliot Booge and Hugh Clifton Gulledge, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 23, 1946, Serial No. 649,756
7 Claims. (Cl. 260—429)

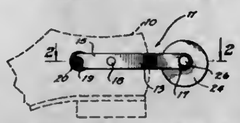
1. A process for producing a glycerin-titanium compound which comprises mixing precipitated, hydrated orthotitanic acid with glycerin to form a dilute suspension of said titanium compound in glycerin, and digesting the resulting suspension at an elevated temperature not in excess of 200° C. and until solubilization of said orthotitanic acid occurs.

2,468,917
CONTROL SYSTEM
James H. Booth, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 28, 1944, Serial No. 556,195
5 Claims. (Cl. 175—335)



1. An actuating mechanism for a member comprising electromagnetic, relatively strong means for holding said member in one position, electromagnetic, relatively weak means for preliminarily exerting a force tending to move said member from said one position to another position but insufficient to actually move said member, a second electromagnetic, relatively strong means operable in conjunction with said weak means to move said member after said weak means has initiated a force tending to move said member, said first strong means being rendered inoperative upon initiation of operation of said second strong means, a second electromagnetic, relatively weak means for exerting a force tending to return said member to its first position, said second weak means being rendered operative and said first weak means being rendered inoperative a predetermined time after said second strong means is rendered operative, and means for rendering said first strong means operative and said second strong means inoperative a predetermined time after said second weak means has been rendered operative.

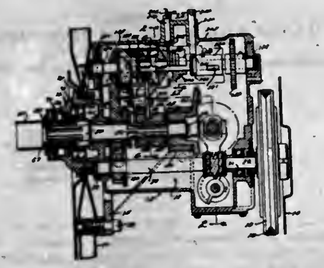
2,468,918
TOY RIDING SPUR
Carl E. Bowers, Los Angeles, Calif.
Application February 7, 1947, Serial No. 726,992
1 Claim. (Cl. 54—83)



A toy riding spur comprising a U-shaped frame structure made from a strip of resilient metal bent to dispose the width of the metal at right angles to the plane of the frame, a pair of rubber gripping cups secured in opposing relation to each other on the inner faces of the free ends of said frame member, said cups having a concaved exposed face, a pair of resilient rowel supporting members made of flat strip metal and secured on the outer faces of said U-shaped frame member, the rear ends of said supporting members extending rearwardly from the frame member and lying parallel to each other at opposite sides of the median line through the U-shaped member, a rivet extending through the parallel

portions of said supporting members, and a disc-shaped metal rowel having an opening substantially greater than that of the rivet and being mounted upon the rivet between the parallel portions of the supporting members.

2,468,919
WASHING MACHINE DRIVE
Hyman D. Brotman, Detroit, Mich.
Application January 4, 1946, Serial No. 639,065
20 Claims. (Cl. 74—1)



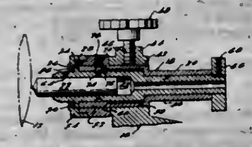
1. In a clothes washing machine having a rotary clothes receiving cylinder, a power operated drive means for turning the cylinder, slow speed mechanism for transmitting from the drive means to the cylinder rotational motion at slow speed repeatedly first in one direction and then in another direction through a predetermined slow speed stage, high speed mechanism for transmitting from the drive means to the cylinder rotational motion at a relatively high speed in one direction only after the slow speed stage, and means timed to maintain said high speed mechanism out of operation until after the slow speed stage and at a time when the cylinder is rotating at slow speed in the same direction as it rotates at high speed.

2,468,920
HAMMERED METAL FINISH COMPOSITIONS
Arthur R. Brown, Old Bridge, and Robert T. Hucks, South River, N. J., and Charles W. Johnson, Flint, Mich., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 12, 1946, Serial No. 640,990
4 Claims. (Cl. 106—171)

1. A coating composition comprising about 25 parts of cellulose nitrate having a viscosity characteristic of not over 200 centipoises to about 1 part of dynamite type cellulose nitrate, and about 1.5–7.5% of finely divided metal powder based on the weight of the total solids in the composition.

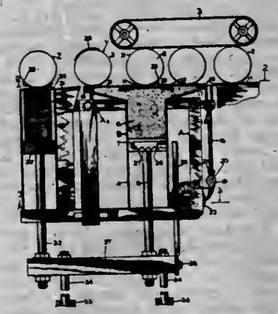
2,468,921
GRINDING WHEEL DRESSING MECHANISM
Stanford P. Bruce, Detroit, Mich., assignor to Wheel Truing Tool Company, Detroit, Mich., a corporation of Delaware
Application April 1, 1947, Serial No. 738,568
5 Claims. (Cl. 125—11)

1. In a device of the character described, a mounting, a tool holder rotatable in said mounting, said tool holder having forwardly and rearwardly directed annular shoulders, said mounting having annular radial seats disposed in confronting relation to said shoulders and provided behind said seats with an elongated bearing rotatably supporting said tool holder, and spring means confined between the forwardly directed



shoulder and its seat for urging the rearwardly directed shoulder solidly against its seat, whereby to prevent chatter of the parts during operation of the device.

2,468,922
MACHINE FOR APPLYING LABELS TO CONTAINERS
Thomas L. Cook, San Francisco, Calif.
Application December 12, 1944, Serial No. 567,797
15 Claims. (Cl. 216—58)



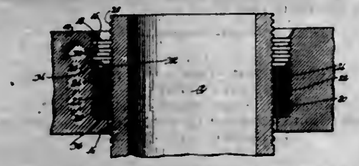
10. In a device of the type described, a platform, means for rolling containers over the platform, means positioned in the path of the containers for applying a layer of adhesive and including an applicator, said adhesive applying means having a reservoir for the adhesive, the applicator receiving its adhesive from the reservoir, means for delivering a predetermined quantity of adhesive to the applicator which is sufficient for applying a layer of adhesive to the container, and means actuated by the containers rolling thereover for actuating the adhesive delivery means, means for successively positioning one label at a time in the path of the rolling containers at a distance from the applicator where the adhesive layer on the container will pick up the label and cause it to adhere to the container.

2,468,923
VINYL ACETATE POLYMERIZATION PROCESS
William R. Cornthwaite, Wilmington, Del., and Harold W. Bryant, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 16, 1946, Serial No. 641,659
7 Claims. (Cl. 260—87)

1. In a process for the aqueous emulsion polymerization of vinyl acetate, the step which consists in adding to an aqueous polymerizable emul-

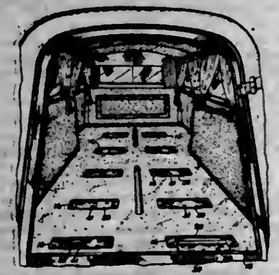
tion, in which vinyl acetate comprises at least 95% of the polymerizable monomer, between 0.01% and 10%, based on the weight of the vinyl acetate, of a substance consisting of an unsaturated acid having the formula $C_nH_{2n-1}COOH$ in which $n=9$ to 17, and polymerizing said monomer at a temperature between 50° C. and 100° C.

2,468,924
SEAL
Edward W. Courtier, Harvey, Ill., assignor to Swensen Evaporator Company, Harvey, Ill., a corporation of Illinois
Application December 29, 1945, Serial No. 637,860
1 Claim. (Cl. 285—30)



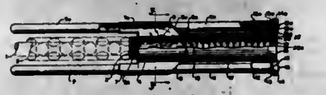
A pressure tight seal between a tube and a tube sheet having facing annular grooves and with an annulus of rubber-like material tightly fitting therebetween and into the grooves of the tube and tube sheet, characterized by a continuous metallic ring which bears against the low pressure side of the rubber-like annulus and has a continuous annular outer flange sloping outwardly toward the low pressure side of the tube sheet and projecting into the groove in the tube sheet and also having a continuous annular inner shelf portion integral with the outer flange and which lies in a plane perpendicular to the axis of but does not extend to the tube, said flange and shelf portion forming an angle of 150° therebetween before being deformed, said ring being made of a deformable metallic material so that when pressures in excess of twenty-five pounds per square inch are applied against the annulus from the high pressure side of the tube sheet the angle between said outer flange and said shelf portion approaches 180°.

2,468,925
FLOOR ROLLER CONSTRUCTION
Herman O. De Boer, Lombard, Ill.
Application October 3, 1944, Serial No. 557,786
12 Claims. (Cl. 296—16)



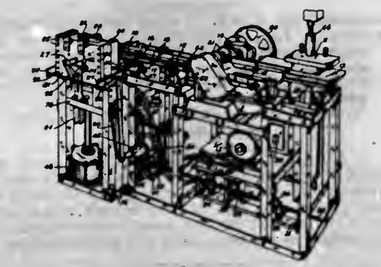
1. A floor roller construction for use in a vehicle of the class described comprising a body structure adapted to be mounted in the floor of the vehicle, a carrier frame pivoted within said body structure, a roller mounted in said carrier frame on an axis parallel to the pivotal axis of said frame, and a cover plate slidably mounted on said body structure and engageable with said carrier frame when in one position to hold said carrier frame and roller against movement thereof and adapted when in another position to permit the roller to project above the top of said body structure and to prevent the roller from being depressed.

2,468,926
FLASH HIDER FOR MACHINE GUNS
Emil Garrett, Quantico, Va.
Application December 26, 1944, Serial No. 569,672
2 Claims. (Cl. 89—14)



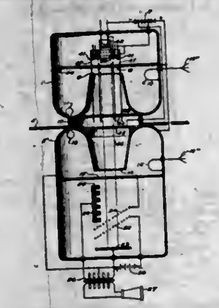
1. In a flash hider for a machine gun, in combination a primary expansion chamber, baffle plates centrally perforated to allow passage of a bullet and transversely disposed to and rigidly secured within said chamber to deflect propellant gases outwardly, and a pair of oppositely disposed bleeder tubes each substantially three times the length of said primary expansion chamber communicating with said chamber to lead said gases rearwardly and then forwardly.

2,468,927
ART OF MANUFACTURING SHOE COUNTERS
Henry Garyait, Milwaukee, Wis., assignor, by mesne assignments, to Van Horne Kaestner Leather Co., Milwaukee, Wis., a corporation of Wisconsin
Application August 3, 1946, Serial No. 688,217
10 Claims. (Cl. 12—66)



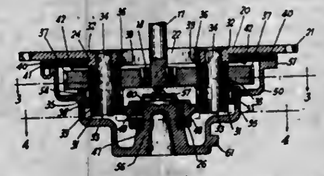
1. In combination, a reciprocable carriage having thereon a forming plug for bending flat shoe counter blanks into definite U-shape, a swingable die formed to receive the U-shaped blanks in succession directly from said initial bending plug and to position the same within a pressing zone, means for pressing the upper portions of the successive blanks into final shape within said zone, means for finally rolling a flange upon the lower portions of the successive blanks while confined within said zone, and means for swinging said die out of said zone to eject the counters therefrom.

2,468,928
ELECTRONIC OSCILLATOR-DETECTOR
William W. Hansen and Sigurd F. Varian, Garden City, and Russell H. Varian, Wantagh, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif., a corporate body of California
Original application July 8, 1938, Serial No. 218,064. Divided and this application October 24, 1942, Serial No. 463,290
46 Claims. (Cl. 315—6)



1. An electronic device comprising an apertured thermionically emitting structure, an accelerating electrode, a second thermionically emitting structure on the opposite side of said first structure from said electrode, and potential supply means coupled to said electrode and said structures for electrically biasing said first emitting structure with respect to said second emitting structure and for biasing said electrode with respect to said first structure to draw thermions from said second structure through said first structure toward said accelerating electrode and also from said first structure toward said electrode.

2,468,929
DRIVE UNIT FOR FLOOR TREATING MACHINES
William E. Holt and William R. Holt, Oakland, Calif.
Application February 28, 1946, Serial No. 650,874
10 Claims. (Cl. 74—421)

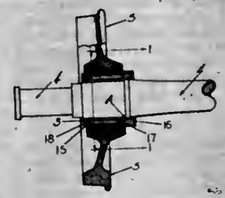


1. A surface treating machine comprising a drive unit including a motor having a vertical drive shaft, a pinion gear mounted on said drive shaft, a stationary gear supporting member having a circular bearing support member, a bearing secured in said bearing support member, an idler gear operatively connected to said pinion gear, a one-piece bowl-shaped casting forming a lubricant-containing housing surrounding said gears and having a ring gear thereon meshing with said idler gear, said housing having an integral closed bottom section and a central stem projecting upwardly therefrom into said bearing, and means for rotatably supporting said stem in said bearing.

2,468,930
THIAMINE 2-ETHYLHEXYL SULFATE
Wolfgang Huber, Kings County, N. Y., and Werner R. Boehme, Prince Georges County, Md., assignors to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware
No Drawing. Original application March 20, 1944, Serial No. 527,343. Divided and this application February 19, 1948, Serial No. 9,634
1 Claim. (Cl. 260—251)

The sparingly water-soluble salt thiamine 2-ethylhexyl sulfate, having the molecular formula $C_{28}H_{52}N_4S_2O_5$ and being characterized by melting at approximately 148–149°.

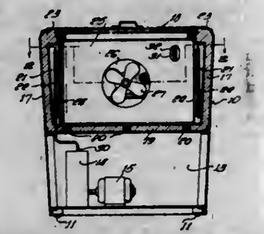
2,468,931
CAR WHEEL CONSTRUCTION FOR RESISTING THE TRANSMISSION OF VIBRATIONS
Edwin B. Hudson, Middletown, Ohio, assignor to Armco Steel Corporation, a corporation of Ohio
Application August 6, 1945, Serial No. 609,094
16 Claims. (Cl. 295—14)



11. In combination with a car wheel and an axle, an annular shocks absorbing metal unit interpositioned between the car wheel and the axle, said unit comprising a convoluted winding of metal strip in coil form, the said strip being under tension, the said coil having its convolutions integrally joined at inner and outer surfaces and at end edge surfaces, the metal strip in said structure being in a state of tension maintained by the aforesaid integral union, central portions of said convolutions being in the form of non-joined laminae, the dimension of said non-joined laminae axially of the structure being approximately the equivalent of the depth of the wheel portion engaging the structure.

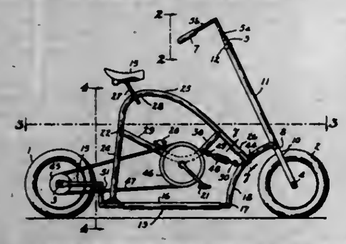
13. A process of making a shock absorbing structure which comprises selecting a ferrous metal of a length to produce a convoluted coil of desired diameter, imposing copper selectively on a face of said strip to coat end portions thereof across their width but to coat intermediate portions thereof substantially only along side edges of said strip, attaching said strip to a support, winding said strip on said support under tension, attaching an outer convolution of said strip to maintain said tension, and then subjecting the wound structure to a brazing operation resulting in the integral union of convolutions of said strip to each other in the areas upon which copper has been imposed.

2,468,932
REFRIGERATING CABINET HAVING AN AIR-PUMP CIRCUIT
Frazier N. James, Dallas, Tex., assignor, by mesne assignments, of thirty-three and one-third per cent to The Master Corporation, a corporation of Arkansas, thirty-three and one-third per cent to Frazier N. James, and thirty-three and one-third per cent to Richard A. Gump
Application November 29, 1946, Serial No. 712,867
1 Claim. (Cl. 62—102)



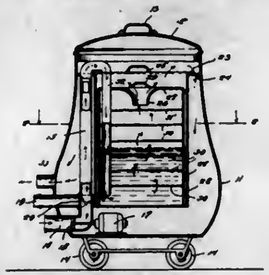
In a dry cooling unit, the combination comprising a cabinet having upper and lower compartments and whose side walls are inwardly convergent at the bottom thereof, a refrigerating unit in the lower of said compartments, said upper compartment being insulated against external temperature influences and whose interior side and end walls are longitudinally recessed, a refrigerating coil lying wholly within each of said sidewall recesses and through which a refrigerant is circulated by said refrigerating unit, a removable commodity chamber within said upper compartment whose side and end walls completely cover and separate said recesses from said chamber, the latter having an opening in each end thereof communicating with the end recesses, means for establishing and maintaining suction through said openings to effect circulation of air through said chamber and said coil recesses across said coils and a hinged cover closing the top of said cabinet and chamber.

2,468,933
CONVERTIBLE VELOCIPEDE
Ellsworth J. Jones, Willoughby, Ohio
Application October 4, 1947, Serial No. 777,893
11 Claims. (Cl. 280—7.15)



1. A vehicle comprising rear and front wheels, a steering rod extending upwardly from the front wheel, a frame arranged between and supported by said wheels and providing a foot rest, a support attachable to and detachable from the frame, a seat mounted on said support, a pair of pedals rotatably secured to and arranged on opposite sides of said support, and means associated with said pedals and one of said wheels for driving said vehicle in response to the operation of said pedals, and said vehicle being movable as a scooter when said support is detached from the frame and one foot of an operator is forced at an angle into engagement with said foot rest.

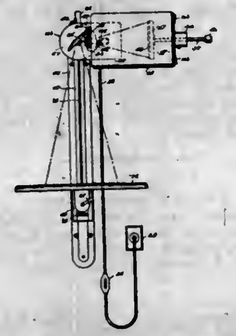
2,468,934
PNEUMATIC CLEANING DEVICE
Teunis P. Kleyn, Muskegon, Mich.
Application January 8, 1946, Serial No. 639,833
2 Claims. (Cl. 261—123)



1. In a portable pneumatic cleaner, the combination, which comprises, a housing having inlet and outlet connections through a wall thereof, a closure for the upper end of the housing, a blower in said housing associated with said inlet connection, an air duct extending from said inlet connection and blower upward to a point adjacent the upper end of the housing, a cylindrical fluid container with a circumferential flange extending outward from the upper end thereof, means removably suspending said fluid container by the flange thereof in said housing with the walls thereof spaced from the walls of the housing, an inverted cylindrical element open at the lower end and substantially closed at the upper end freely positioned in said fluid container with the walls thereof spaced from the walls of the container, said inverted element having an outlet opening in the upper end thereof, a plurality of spaced horizontal baffle elements in said inverted container, said baffle elements comprising solid semi-circular sections and complementary semi-circular sections formed of screen elements, the solid sections and screen elements alternately positioned in said baffles to interrupt direct passage of air therethrough, and an inverted U-shaped air duct with one leg thereof adapted for sliding contact with the air duct extending upward from the inlet connection, and the other leg thereof extending downward through the baffles of said inverted element to a point in the lower part thereof below the level of a liquid in the liquid container and removable with said inverted element.

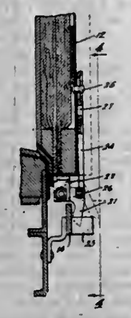
2,468,935
PHOTOGRAPHIC APPARATUS FOR REPRODUCTION BY DIRECT OR REFLECTED LIGHT BEAMS
Samuel W. Langdon, Rochester, N. Y., assignor to Marful Specialties, Incorporated, Rochester, N. Y., a corporation of New York
Application January 25, 1945, Serial No. 574,481
2 Claims. (Cl. 88—24)

1. Photographic apparatus comprising, in combination, a light tight enclosure in which the subject is mounted, a light source in said enclosure, said enclosure having an opening, a lens system mounted adjacent said opening through which the image is projected, an easel upon which the sensitized paper is placed, a plane reflecting device having a pivot on the enclosure, pivot means for enabling the enclosure to be shifted from a position such that the lens axis is substantially parallel to the easel to a position such that the lens axis is substantially normal to the easel, said reflecting device being located



so that the pivot means lies substantially in the plane of the reflecting device when the lens axis is parallel to the easel whereby when the enclosure is shifted to a position such that the lens axis is normal to the plane of the easel the length of the optical path remains substantially the same as when the image is reflected through the reflecting device, said reflecting device swinging out of the optical path when the enclosure is shifted to the position in which the lens axis is normal to the easel.

2,468,936
LATCH MECHANISM FOR CAR DOORS
John S. Lundvall, Park Ridge, Ill., assignor to Union Asbestos & Rubber Co., Chicago, Ill., a corporation of Illinois
Original application March 17, 1943, Serial No. 479,422. Divided and this application September 11, 1944, Serial No. 553,530
1 Claim. (Cl. 292—237)



A latch device for a refrigerator car door movable longitudinally of the car and laterally toward and away from an opening in the car which comprises a latch member having a horizontal connecting arm pivotally secured at one end to the lower part of the door and extending outward therefrom and a vertical depending latching arm extending downwardly from the outer end of said horizontal connecting arm, said depending latching arm adapted to be received between a pair of spaced abutments adjacent to the lower horizontal edge of the door, and an operating member pivotally secured to the latch member adjacent the junction of the connecting arm and the latching arm and adapted when raised to move the latching arm away from the spaced abutments to permit longitudinal movement of the door, said operating member being slidably connected to the door and supported vertically by the latch member so that its weight urges the latch member toward the abutments.

2,468,937
HEAD APPAREL
Evelyn McCaffrey, Jamaica, N. Y.
Application January 23, 1946, Serial No. 642,861
5 Claims. (Cl. 2—174)

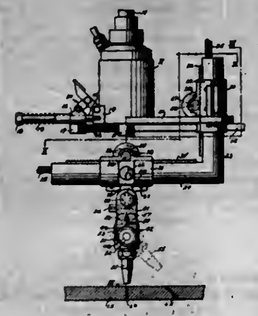


2. Headgear comprising a relatively wide resilient band member freely stretchable during placement and adapted to hug the head of a wearer at and adjacent the hair line; a supplemental crown member; and fastening means for securing said crown member to the upper outer margin of said band member in overlapping relationship therewith.

2,468,938
TORCH CONTROLLING FIXTURE FOR FLAME CUTTING MACHINES
John McLauchlan, Royal Oak, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application June 14, 1945, Serial No. 599,469
1 Claim. (Cl. 266—23)

A flame cutting attachment for the tracer head of a flame cutting machine, comprising a supporting shelf extending radially from the tracer head, a sleeve on said shelf with its axis parallel with the tracer axis, an L-bracket having a vertical leg and a lateral leg extending on the lower end thereof, said vertical leg extending upwardly through said sleeve, a rack bar on said vertical arm engaging said sleeve to hold said vertical arm against rotation, a gear journaled on said sleeve to mesh with said rack whereby said vertical arm may be longitudinally adjusted in said sleeve for vertical setting of said bracket relative to work to be cut, a holder sleeve receiving said horizontal bracket arm, a rack secured on said horizontal arm and engaging with said sleeve for holding said sleeve against rotation on said arm, a gear on said sleeve meshing with said

rack bar whereby said sleeve may be set in longitudinal direction on said lateral arm, a nozzle structure pivoted on said holder for angular setting thereof for the desired angle of application



of the nozzle structure flame to the work to be cut whereby straight edge cutting or bevel edge cutting may be performed on the work during travel of the tracer head.

2,468,939
MOUNTING FOR HYDRAULIC SHOCK ABSORBERS
Jean Mercier, New York, N. Y.
Application September 8, 1943, Serial No. 501,534
3 Claims. (Cl. 188—100)

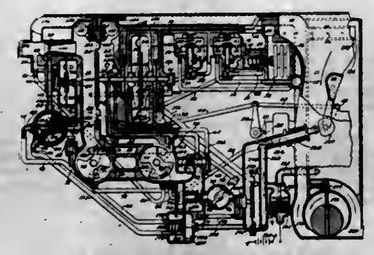


1. A shock absorber which includes an inner and outer pair of telescoping members, a pair of universal joints, each one mounted in opposed relation at the opposite extremities of the telescoped members, the first said universal joint being in addition rigidly affixed to one member of the outer pair of telescoping members and the second said universal joint being in addition loosely fitted but positively held by a spring fastening on the other telescoping member of said outer pair, said loose fitting universal joint allowing a limited lateral deflection of the outer pair of telescoping members from the normal axis of the shock absorber while retaining the axial alignment of the inner pair of mating telescoping members.

2,468,940
PRINTING CELLULOSE ESTER MATERIAL WITH ACID AND DIRECT DYES
Charles Franklin Miller, Delaware County, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 26, 1947, Serial No. 764,031
5 Claims. (Cl. 8—63)

1. In the process of printing cellulose esters with a color from the group consisting of acid and direct dyestuffs, the improvement which consists of applying the color by the aid of a printing paste containing as special assistants caprolactam and thiourea.

2,468,941
ENRICHENING DEVICE
A. William Orr, Jr., Detroit, Mich., assignor to George M. Holley and Earl Holley
Application April 4, 1945, Serial No. 586,606
3 Claims. (Cl. 261—18)



3. An engine fuel supply system comprising an air intake, an air restriction therein, a source of fuel under pressure, a fuel supply passage connected thereto, a restriction therein, automatic means responsive to the depression in said air restriction acting in opposition to the means responsive to the drop in pressure at said fuel restriction for varying the pressure downstream from said fuel restriction for maintaining a desired fuel/air ratio, a fuel enrichening device responsive to an increase in fuel flow above a predetermined value, a source of anti-detonating fluid under the same pressure as the source of fuel, a passage therefor, a manually controlled valve therein, means for introducing the anti-detonating fluid into the air entering the engine comprising a restriction in said anti-detonating fluid passage, a moving wall, a valve in the anti-detonating fuel passage connected to said moving wall, a chamber located on one side of said moving wall connected to the anti-detonating fuel passage downstream from said restriction, a second chamber located on the other side of said moving wall connected to the fuel under pressure existing downstream of said main fuel restriction whereby the drop in pressure at the restriction in said anti-detonating fuel passage is maintained equal to the drop in pressure at the restriction in the main fuel passage.

2,468,942
X-RAY TUBE COOLING APPARATUS
Wijbe Johannes Oosterkamp and Antonius Wilhelmus Vingerhoets, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 1, 1946, Serial No. 680,612
In the Netherlands March 15, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 15, 1963
6 Claims. (Cl. 250—143)



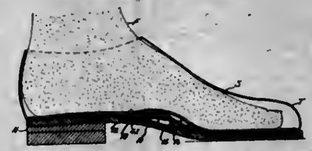
1. An X-ray tube, particularly adapted for prolonged loads, comprising a cathode, an anode comprising a target heated on the surface facing the cathode by electrons from the cathode, and to be cooled by removal of the heat through the rear surface thereof; and means for cooling the anode by rapid removal of the heat therefrom, said means including a body of liquid having a high thermal conductivity in intimate thermal contact with the rear surface of the anode, and a rotatable disc-shaped cooling body disposed so its peripheral edge is immersed in the liquid and closely adjacent the rear surface of the anode plate and separated therefrom by a film of the liquid.

2,468,943
PRESSURE FLUID SERVOMOTOR
John B. Parsons, Toledo, Ohio
Application May 18, 1945, Serial No. 594,577
3 Claims. (Cl. 121—44)



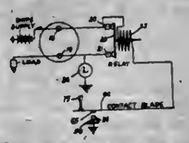
3. A fluid pressure servo-motor comprising an elongate casing polygonal in cross section, a piston conforming substantially to the cross section of said casing and mounted therein for reciprocatory movements, a shaft adapted to be operatively connected at its outer end to the window panel and projecting inside of said casing, an elongate helical actuating element on said shaft for rotation therewith, said piston including a rubber disc providing outwardly a liquid-tight seal with the casing walls and inwardly a liquid-tight seal with said actuating element, and means for effecting piston movement longitudinally of the casing.

2,468,944
SHOE CONSTRUCTION
Oswald M. Pick, Chicago, and Bennett E. Goodman, Highland Park, Ill., assignors to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois
Application September 8, 1947, Serial No. 772,648
9 Claims. (Cl. 36—76)



1. An arch support for a shoe comprising in combination; a lengthy plate to extend from the heel portion of the shoe to a point under the metatarsal arch of the wearer, said plate having a substantially rectangular notch at its forward end and an opening near the bottom of said notch, the tongues formed by said notch being bent down at their edges to form a support for the forward portion of said plate; a support member having a rearwardly extending tongue to fit in said notch and a downwardly extending tongue to be received in said opening, said support member further having depressed portions adjacent the root of said rearwardly extending tongue to fit under said first tongues to resist downward flexure of said plate relative to said member, said member further having a bent over forward edge portion; and a substantially semi-circular cushion member disposed between said bent over forward edge portions and extending over said support member to form a dome to support the metatarsal arch of the wearer.

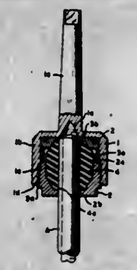
2,468,945
ALTITUDE RESPONSIVE CONTROL AND SIGNAL DEVICE
John D. Sasser, Springfield, Ohio, assignor to The Steel Products Engineering Company, Springfield, Ohio, a corporation of Ohio
Application July 21, 1944, Serial No. 546,027
7 Claims. (Cl. 177—311)



3. An altitude responsive control comprising a housing, a battery mounted within said housing, a closed and sealed bellows having a part thereof movable in response to changes in atmospheric pressure, a signal device carried on said housing, a switch contact carried on said movable bellows part, a relatively fixed contact supported from said housing and adapted to close a circuit with said movable contact from said battery to said

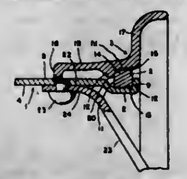
signal device in response to movement of said movable contact, and auxiliary control means for manually closing said circuit through said contacts independently of atmospheric pressure to test said battery and signal device.

2,468,946
CHUCK
Wilbur G. Sherman, San Diego, Calif., assignor to Accurate Tool and Engineering Company, San Diego, Calif., a copartnership
Application November 13, 1945, Serial No. 628,158
8 Claims. (Cl. 279—48)



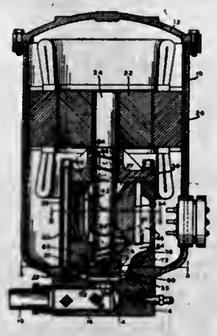
1. In a chuck of the class described the combination of a chuck casing having an extending shank portion and a hollow cup shaped portion, a retainer adjustably secured in connection with said cup shaped portion movable longitudinally of the axis thereof and a resilient collar in said cup shaped portion inwardly of said retainer having a central bore therethrough, a rotating cup positively abutted in said cup shaped portion of said chuck casing engaging the opposite end of said resilient collar from said retainer and providing a rotatable bearing for said collar in said chuck casing, said retainer and said rotating cup being in telescopic relation with each other at their open ends.

2,468,947
RIM
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application March 26, 1945, Serial No. 584,757
4 Claims. (Cl. 152—410)



3. In a rim, an endless annular base member provided with an annular wall presenting a substantially radial surface, a detachable endless tire retaining ring member encircling said base member and having a generally radially inwardly extending part presenting a substantially radial shoulder and a transversely split clamping ring member between said base member and tire retaining ring member and abutting said substantially radial surface and shoulder and having radial wedging engagement with one of said first mentioned members, the minimum and maximum radial sectional dimensions of said clamping ring member before assembly of said base member and tire retaining ring member being greater than the minimum and maximum radial distances respectively between the portions of the surfaces of said base member and tire retaining ring member engaged by said clamping ring member in the operative position of said base, tire retaining ring and clamping ring members.

2,468,948
SEALED MOTOR-COMPRESSOR UNIT
Rolf M. Smith, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 28, 1945, Serial No. 596,287
11 Claims. (Cl. 230—139)

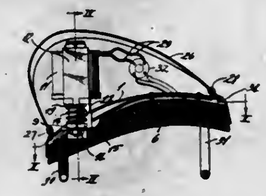


3. In a sealed motor-compressor unit; a cup-shaped casing formed of stamped sheet metal material; a motor including a motor stator supported by said casing; compressor mounting means secured to the bottom wall of said casing; a compressor assembly comprising a cylinder, top and bottom end plates for said cylinder having shaft bearing apertures therein, a shaft driven by said motor, an impeller between said end plates driven by said shaft, a longitudinally extending oil feed passage provided in said shaft, said compressor assembly and said compressor mounting means having formed therebetween a lubricant cavity, means for feeding lubricant to said cavity, spiral oil feed grooves provided on said shaft, one of said grooves having its inlet in said cavity and having its outlet communicating with the lower end of said oil feed passage, a second oil feed groove on said shaft having its inlet end communicating with the upper end of said oil feed passage and having its lower end discharging lubricant adjacent the upper end of said impeller, a third oil feed groove having its inlet in said lubricant cavity and having its outlet adjacent the lower end of said impeller.

2,468,949
MASSAGE VIBRATOR
Leland H. Snyder, Chicago, Ill., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application September 22, 1945, Serial No. 618,026
7 Claims. (Cl. 128—41)

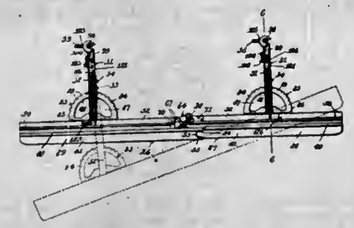
1. A massage vibrator comprising a base having downwardly extending side and end walls form-

ing a downwardly opening shell, a soft resilient pad supported within said shell and protruding below said opening thereof, a casing mounted upon the upper side of said base, a spring member secured to said base and extending therebelow and positioned for flexing in response to vibrations imparted thereto and arranged in contact with



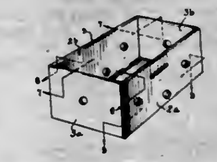
said pad to vibrate the latter, and a solenoid having a coil positioned within said casing above said base and having a plunger extending through said base secured to a flexible portion of said spring member for supporting the entire solenoid thereby, the whole being arranged whereby vibrations of the plunger are imparted to said spring member and thence to said pad.

2,468,950
SNOWPLOW
Edward L. Wiedman, Tonawanda, N. Y.
Application December 8, 1944, Serial No. 567,199
17 Claims. (Cl. 37—42)



1. A snow plow, comprising a plow-share having two sections pivotally-connected together at their inner ends, and means extending rearwardly from said sections for attachment to an automobile, each of said plow-share sections being curved upwardly and forwardly at their upper ends and downwardly and forwardly at their lower ends, the inner ends of said plow-share sections being overlapped when trending in the same general direction, the inner edge of each of said sections being curved outwardly with the curvature at the lower ends of said edges on a greater radius than the curvatures at their upper ends so that when the sections are swung at an angle for directing snow to opposite sides of the path in which the plow is caused to travel the inner edges of said sections are in close juxtaposition throughout their lengths so as to prevent the passage of snow therebetween.

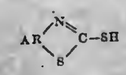
2,468,951
FOLDED BOX
Bert H. Barter, Coral Gables, Fla., assignor to Great Southern Box Company, Inc., New Orleans, La., a corporation of Louisiana
Application September 1, 1945, Serial No. 614,032
1 Claim. (Cl. 229—34)



Box assembled from a one piece folded blank, comprising a rectangular bottom, side and end panels upstanding therefrom, said side and end panels each comprising an outer panel portion integrally connected to said bottom, an inner panel portion parallel to said outer panel portion and substantially congruent therewith, and a connecting portion between said outer and inner side panel portions at the top of said side panel defined by spaced parallel score lines of such width as to space said panel portions a distance equal to the thickness of the stock of said blank, said connecting portion being formed with a slot therethrough at its middle, in width equal substantially to the width of said portion lateral flaps emanating from the inner end panel portions each in length being equal substantially to one-half the length of said side panels and in height being substantially equal to the height of the space between said inner and outer side panel portions, the flaps from corresponding ends of adjacent end panels lying between the inner and outer side panel portions forming an intermediate side panel portion, the upper adjacent corners of said flaps being notched to form a cavity in conjunction with said inner and outer side panel portions and beneath said slot, said outer panel portions below said connecting portions being each provided with a slot below said first mentioned slots, communicating with said cavity, the parts of each outer side panel portion between said slots defining a bar adapted to be embraced by a securing band, said inner side panel portion being imperforate in that region which forms the inner wall of said cavity.

2,468,952
PROCESS FOR THE PREPARATION OF DI-THIAZYL DISULFIDE
Adolph J. Beber, Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 12, 1944, Serial No. 567,895
6 Claims. (Cl. 260—306.5)

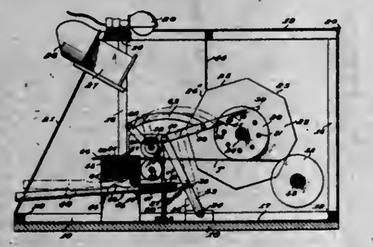
1. A process for preparing a dithiazyl disulphide which comprises preparing an alkaline solution of the sodium salt of the corresponding 2-mercapto-thiazole of the general formula:



where AR is a bivalent aromatic radical having its valence bonds on adjacent ring carbon atoms, oxidizing said thiazole salt at a temperature of 30° C. to about 70° C. by bubbling chlorine into

the solution while maintaining its alkalinity at a pH between about 8 and about 11 until the oxidation is complete; whereby the disulphide is formed as a precipitate, and isolating the disulphide from the reaction medium.

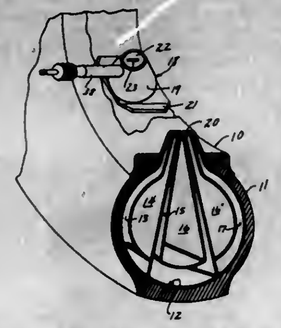
2,468,953
PLURAL TARGET EYE-TESTING DEVICE
Irving Bennett, Jacob Venger, and George C. Waddell, Beaver Falls, Pa.
Application June 3, 1947, Serial No. 752,196
8 Claims. (Cl. 88—20)



1. Eye testing apparatus comprising a casing, a drum rotatably supported in the casing, said drum supporting a plurality of eye-testing targets to be successively brought into the field of view of an observer, a second drum rotatably supported in the casing, said second drum supporting a record tape having a plurality of sections corresponding in number to the test targets and each section having indicia thereon identifying its associated test target, a table disposed in the casing and provided with a block in the top thereof and having a tape-receiving slot, tape-advancing rollers adapted to advance the tape from said second mentioned drum rotatably supported in the casing adjacent the block, a pair of spaced punches supported by the block for movement through said slot and adapted to punch-mark the tape in the section corresponding to the test target viewed, a pair of upright bars having their lower ends pivotally supported in the casing, a pair of hand operable members having their forward ends pivotally connected to the bars and their rear ends projecting beyond the casing, cam means on the handle members for operating the respective punches, the particular punch operated depending upon the state of vision of the eyes under test, and link and bar connections between said upright bars and said first drum and tape-advancing rollers operative for simultaneously rotating the drum and the rollers upon actuation of either of said handle members, whereby the actuation of a particular one of the punches gives an indication of the condition of the eyes under test.

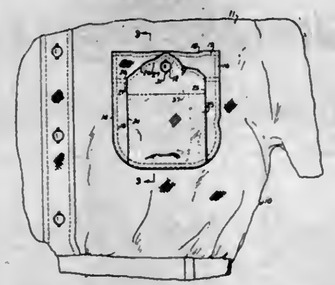
2,468,954
VALVE FOR MULTICELL INNER TUBES
Louis E. Bonham, Birmingham, Ala.
Application December 14, 1946, Serial No. 716,398
5 Claims. (Cl. 152—429)

1. In actuating mechanism for the valves of a multicell innertube, a housing, a rotatable disk in the housing, a plurality of protuberances on one side of the said disk adapted upon rotation of the disk to engage and open the inflation valves of said innertube, and an actuating rod associated



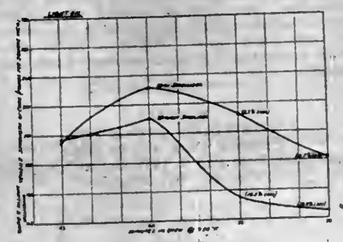
with said disk adapted upon inward movement to rotate the disk.

2,468,955
POCKET STRUCTURE
Holwin T. Brown, Troutman, N. C., assignor to Troutman Shirt Company, Troutman, N. C., a corporation of North Carolina
Application June 23, 1947, Serial No. 756,531
1 Claim. (Cl. 2—253)



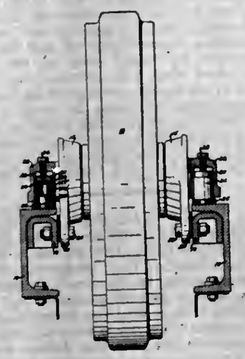
In combination with a shirt of the class described having a piece of material forming the front thereof, a second piece of material secured to the shirt front at its sides and bottom and cooperating with the shirt front to form a pocket open at its upper end, the upper central portion of said second piece of material having a button hole centrally disposed and a button secured to the shirt front and adapted to be passed through the button hole, a third piece of material of lesser width than the second piece of material and secured to the second piece of material at its bottom by a line of stitches and secured to the second piece of material at its sides by a line of stitches, the upper end of the third piece of material sloping upwardly into a point and having a fourth piece of material stitched to the inner upper surface thereof and conforming in shape to the upper end of the third piece of material to reinforce the upper portion of the third piece of material, the extreme upper ends of the third and fourth pieces of material having coinciding button holes therethrough coinciding with the button secured to the shirt front.

2,468,956
CORE OILS
Martin S. Burg, Chicago, Ill., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application October 17, 1946, Serial No. 703,851
8 Claims. (Cl. 22—188)



3. A method for forming sand cores which comprises mixing sand with a core oil comprising a predominant quantity of a drying oil and a minor amount, not more than about 10%, of a viscous, substantially saturated hydrocarbon polymer of alkene-1 hydrocarbon, said polymer having a flash point above about 450° F., molding the resultant mixture and baking the molded mixture.

2,468,957
RESILIENT MOUNTING FOR TRACTOR TRACK IDLERS
George E. Burks, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application November 12, 1946, Serial No. 709,269
3 Claims. (Cl. 305—9)



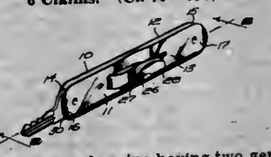
1. A resilient mounting for a tractor track idler which includes idler bearings overlying a truck frame comprising slidable shoes resting on the truck frame, springs interposed between the shoes and the idler bearings, said bearings having downwardly opening recesses to receive said springs, and pliable blocks encasing the springs and substantially filling said recesses.

2,468,958
APPARATUS FOR TREATING CRUDE OIL VAPORS
Arthur V. B. Candler, Tulsa, Okla., assignor to Maloney-Crawford Tank & Manufacturing Co., Tulsa, Okla., a corporation of Delaware
Application July 19, 1945, Serial No. 605,949
3 Claims. (Cl. 183—94)



2. Apparatus for treating crude oil vapors, comprising an upstanding separating chamber, a relatively large upstanding central tube within the separating chamber and having spaced openings in its side, an imperforate conical downwardly tapering plate covering the upper end of the central tube and disposed above the openings in the central tube and extending radially beyond the central tube for a substantial distance and spaced from the side of the separating chamber, a second plate surrounding the central tube beneath the openings and forming a generally horizontal space with the upper imperforate plate and spaced from the bottom of the separating chamber for forming a sump chamber, the lower plate being spaced from the side of the separating chamber and having openings provided near and corresponding in number to the openings of the central tube, vanes disposed within the space between the upper and lower plates and including generally radial inner portions disposed adjacent to and upon corresponding sides of the openings of the central tube and the openings of the lower plate and outer circumferential portions which extend in the same direction and cover the openings of the central tube for imparting a generally horizontal circumferential movement to the vapors discharging through such openings, a plurality of outer tubes having substantially vertical discharge ends for discharging the vapors upwardly and substantially vertically through the openings in the lower plate and within the space and vanes at substantially right angles to the horizontal discharge of the vapors through the openings of the central tube, means to supply vapors to the central tube, means to supply vapors to the outer tubes, a tube connected with the lower end of the conical plate and passing through the central tube and discharging into the sump chamber, and means providing gas and oil outlets from the apparatus.

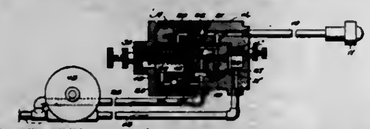
2,468,959
KEY CASE
Frank Cannon, Rhinecliff, N. Y.
Application April 19, 1947, Serial No. 742,707
6 Claims. (Cl. 70—456)



1. In a key case, a housing having two generally parallel sides, pivot means respectively inter-

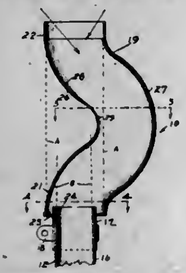
mediate each end and the center of the housing, each adapted to swingingly receive the head of a key thereon, means normally gripping the end of a key between said sides, and means whereby pressing either end of the housing beyond the pivot means releases the key end gripping means.

2,468,960
VALVE DEVICE
John S. Case, Baltimore, Md.
Application May 10, 1944, Serial No. 534,899
8 Claims. (Cl. 137—53)



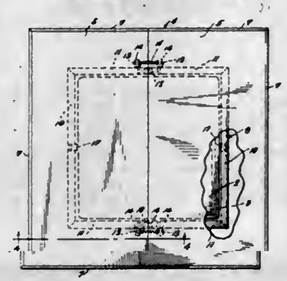
8. A valve device including a fluid pressure regulator comprising a casing having a chamber therein provided with an inlet and outlet and exhaust, a piston movable in said chamber having a pair of spaced by-pass passages therethrough, one of which establishes communication between the inlet and the exhaust when the piston is at or adjacent the rearward end of the chamber, and the other of which establishes communication with the opposite end of the chamber and the exhaust when the piston is at or adjacent the forward end of the chamber, a spring tending to bias said piston to the rearward end of the chamber with the force of the fluid pressure in the rearward end of the chamber exceeds the force of the spring biasing means and moves the piston forwardly to by-pass fluid to the outlet and on excess fluid pressure to by-pass fluid directly to the exhaust.

2,468,961
EXHAUST PIPE ATTACHMENT
William C. Curphy, Montour, Iowa
Application March 3, 1945, Serial No. 580,899
2 Claims. (Cl. 98—60)



1. The combination with an upright exhaust pipe for an engine, of an attachment to keep moisture from entering the upper end of said exhaust pipe when the engine is not being operated, comprising a first upright tube member having its lower end adapted to be secured to said exhaust pipe upper end, a second upright tube member of larger diameter than said first tube having its bottom end in an overlapping relation with the top end of said first tube, means for connecting said bottom end and said top end in a concentrically spaced relation having drain openings therein, with said second tube being formed with an arcuate bend therein such that its opposite end openings are in co-axial alignment and a wall portion at said bend is extended across the projected area of said first tube, whereby moisture entering said second tube through the upper end thereof falls on the inner surface of said wall portion for gravity flow thereon to a position above a portion of said connecting means, said second tube member being of substantially the same cross sectional area over its complete length so as to provide for an unrestricted flow of exhaust gases therethrough.

2,468,962
AUXILIARY TABLE TOP
Edwin E. Czak, Elyria, Ohio
Application February 3, 1947, Serial No. 726,167
2 Claims. (Cl. 311—106)

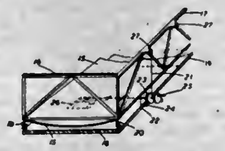


1. An auxiliary table top of appreciably greater dimensions than the top of a main table upon which the auxiliary table top is to be placed, said auxiliary table top comprising companion sections having adjoining side edge faces abutting when in an extended position, an open frame for fitting about the top of a main table carried by the auxiliary top and consisting of side bars extending longitudinally of the top sections and end bars extending transversely of the top sections, hinges carried by inner ends of the end bars and mounting the top sections for swinging movement from an extended position downwardly to a folded position close to each other, and springs extending in bridging relation to the top sections and secured to inner side edge portions thereof and serving to yieldably hold the said top sections in extended and folded positions.

2,468,963
METHOD OF AND MEANS FOR MAKING STEREOSCOPIC X-RAY PHOTOGRAPHS
Leslie Peter Clarence Jack Dudley, Twickenham, England, assignor to Stereoptics Limited, London, England, a British company
Application March 30, 1944, Serial No. 528,724
In Great Britain March 26, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 26, 1963
12 Claims. (Cl. 250—62)

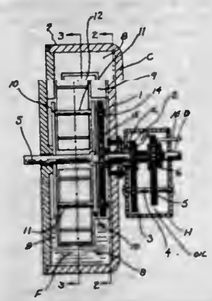
1. A method of making stereoscopic radiographs wherein a grid is interposed between the body to be subjected to X-radiation and a sensitized surface on which the radiograph is to be made, said grid having a plurality of substantially parallel laterally spaced strips of high opacity to X-radiation and a strip of high transparency in the space between each pair of adjacent

opaque strips, the said opaque strips being at least as wide as the transparent strips, comprising moving the grid with respect to the sensitized surface in a direction transversely with respect to the grid strips and through a distance equal to the width of one of the opaque strips



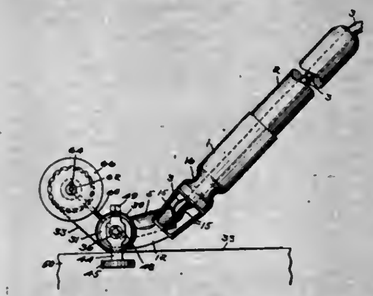
of the grid, the source of X-radiation being maintained in a stationary condition, and angularly moving the body as a whole about an axis parallel to the longitudinal axes of the grid strips so as to present different aspects of such body to radiation emanating from said source.

2,468,964
HYDRAULIC TRANSMISSION
Albert Dunn and Odus C. Elland, Mount Rainier, Md.
Application January 5, 1946, Serial No. 639,322
5 Claims. (Cl. 74—720)



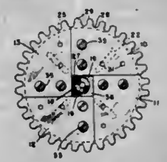
1. A hydraulic transmission, comprising a drive shaft, a driven shaft in alignment therewith, a circular fluid container mounted upon and concentrically with the two shafts, a bearing secured to the container and having the drive shaft passing therethrough and rotatable therein, a plurality of groups of rotatable vanes supported within the container upon and secured to the driven shaft to travel therewith in a circular path, a plurality of radially inwardly extending fixed blades carried by and within the container across the rotating groups of vanes outwardly of the path of travel thereof and extending radially inwardly at opposite sides of the groups, a sun gear secured to the drive shaft within the container, a plurality of planetary gears meshed with said sun gear and each connected with a group of vanes to impart rotation thereto from the sun gear, a gear secured to said bearing and rotatable freely about the drive shaft, and a speed change gear train connected between the drive shaft and the last mentioned gear for effecting the rotation of the container at a speed different from the shaft, said container being designed to hold a fluid.

2,468,965
ELECTRICALLY HEATED GILDING TOOL
Earl A. Ekstrom, Saugus, Mass., assignor to Fort Hill Engraving Company, Boston, Mass., a corporation of Massachusetts
Application August 27, 1947, Serial No. 770,849
1 Claim. (Cl. 41—7)



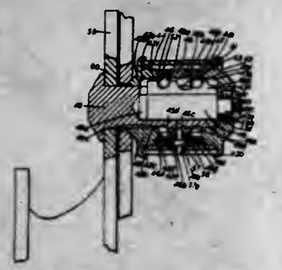
An electrically heated hand-gilding tool of the class described, having in combination a hub formed with a hollow extension integral therewith, a removable electrical heating unit adapted to be fitted in said extension, a handle attached to the hub, a heat-diffusing open spider between said hub and handle, a metal leaf-applying wheel rotatably mounted on a shaft extending thru said hub, an arm adjustably secured at one end of said shaft adapted to carry a strip-holding roll in alignment with said applying wheel, means to hold said roll in adjusted position constituting friction-engaging devices controlling the reels of strip material from said roll, an adjustable worktable edge-guiding device secured to said shaft, and current-conducting wires led thru the handle and said open spider to the removable heating element.

2,468,966
TOY GEAR
Earl Weston Farmer, Deephaven, Minn.
Application December 20, 1946, Serial No. 717,386
5 Claims. (Cl. 74—449)



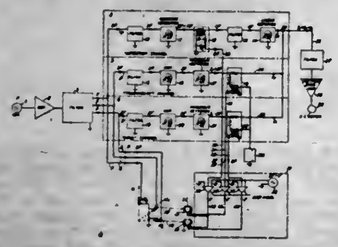
1. A gear comprising a mounting, a plurality of gear elements attached to said mounting, said elements each having two angularly disposed edges, one longer than the other, and a circumferential edge connecting the angular edges and teeth formed on said circumferential edges, said elements being arranged on said mounting with the short edge of one element disposed adjacent the long edge of the adjacent element to leave an opening at the center of the assembly of elements and with the circumferential edges arranged in the form of a circle, said mounting having a hole therein at the center of said circle and at the locality of said opening.

2,468,967
PERMUTATION LOCK
George Roweland Lovelace Semple Fisher, Pendock, Staunton, England
Application May 31, 1945, Serial No. 596,880
In Great Britain June 6, 1944
7 Claims. (Cl. 70—312)



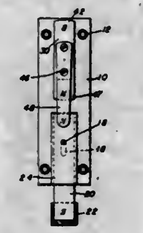
1. A permutation lock of the type referred to comprising a hollow body; a number of rings bearing indicia and having their inner periphery notched, rotatable with respect to said body; a bolt peripherally grooved, one groove to each ring, and axially grooved, the axial groove running into each peripheral groove; a number of balls, one ball to each ring; spacing means between adjacent indicia bearing rings; a number of means intermediate the rings and the bolt adapted each to constrain a single ball the diameter of which substantially occupies the full space between the bottom of a groove in the bolt and the bottom of one of the notches in the rings; a dust cap mounted for rotation about said body and having an opening through which part of said rings may be exposed; and means displaceable by said dust cap to effect additional locking when said rings are exposed.

2,468,968
MAGNETIC FIELD STRENGTH INDICATOR
Edwin F. Felch, Jr., Chatham, N. J., and Thaddeus Sloneczewski, Glenwood Landing, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 20, 1943, Serial No. 483,755
12 Claims. (Cl. 175—183)



1. A magnetic field strength measuring system comprising in combination three magnetometers having their principal magnetic axes mutually perpendicular, each magnetometer comprising a length of magnetic material with electric windings thereon which are energized with an alternating current of fundamental frequency to generate a voltage of second harmonic frequency therein proportional to the product of the field strength and the direction cosine of the angle formed by the principal magnetic axis of each magnetometer with the direction of the magnetic field to be measured, an electromechanical orienting system therefor comprising two reversible electric motors one for each of two of said magnetometers, a mechanical linkage from each of said motors to its associated magnetometer whereby the motors may rotate their associated magnetometers around mutually perpendicular axes, an electric circuit coupling each of said two magnetometers to its associated electric motor whereby each motor is caused to rotate in response to the magnitude and phase of the second harmonic voltage generated in its associated magnetometer to maintain the principal axes of said two magnetometers substantially normal to the direction of the magnetic field, and the principal axis of the third magnetometer in substantial alignment with said field, and an electric squaring means for squaring the amplitudes of the second harmonic voltages generated in the three magnetometers, a separate rectifier for each of the squared voltages, a circuit combining into one current the direct current from each of said rectifiers, and an indicator responsive to the combined direct current.

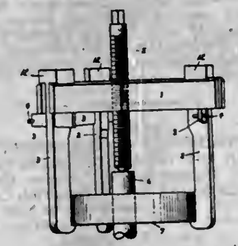
2,468,969
MAGNETIC DOORSTOP
James O. Galey, Nashville, Tenn.
Application July 14, 1947, Serial No. 760,722
4 Claims. (Cl. 292—1)



1. A magnetic door stop comprising a base member removably secured to a door, a lower gravity actuated magnet slidably mounted on said base member, a resilient member engaging the lower end of said lower magnet, an upper magnet pivotally mounted on said base member, said upper magnet having first and second poles, said first pole being attracted to the upper end of said lower magnet to retain the latter in a raised position, means for rotating said upper magnet, said upper magnet having a pair of recesses in its inner face, a spring arm secured to the plate for holding the upper magnet in a selected rotated position with one pole thereof disposed adjacent the upper end of said lower magnet, and a detent carried by said spring arm received in a selected one of said recesses.

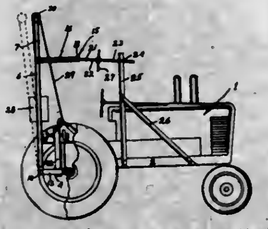
2,468,970
GEAR OR WHEEL PULLER
Clarence R. Gilbertson, Spokane, Wash.
Application July 11, 1945, Serial No. 604,443
1 Claim. (Cl. 29—259)

A puller element embodying a bifurcated support having a pair of spaced elongated supporting arms providing a centrally disposed slot, a gripping jaw having a head at one end overlying said arms, an elongated shank integral with and extending from said head through said slot and terminating in a hook, and a single elongated opening entirely within the lateral boundary of said shank underlying said arms, and a wedging element movable in said slot transversely of the plane of movement of said jaw and operable to clamp said arms between said wedge and head to afford a rapid engagement and disengagement



between said head and arms for adjustably fixing said jaw along any point on said arms, said wedging element having ends of unequal length with the edge adjacent to the arms normal thereto and the opposite edge disposed along an inclined plane for cooperation with the end of said elongated opening remote from said arms, to effect a camming action on said jaw to clamp said arms at any radial point therealong by a single blow of said wedging element on its larger end, which may be quickly released by a single blow on said smaller end of said wedging element.

2,468,971
POST DRIVER
Lester M. Gregg, Newport, Wash.
Application June 2, 1947, Serial No. 751,723
6 Claims. (Cl. 61—74)



1. A post driver comprising a vertical frame having side bars constituting tracks, brackets pivoted to and extending forwardly from lower ends of the side bars and adapted to be secured to a tractor and mount the frame rearwardly thereof, a weight between the side bars formed in opposite sides with grooves receiving the side bars and mounting the weight for sliding movement vertically in the frame, standards adapted to be mounted vertically at opposite sides of a tractor, a nut pivotally mounted between upper ends of said standards, a yoke having side arms pivotally mounted adjacent upper ends of the side bars of said frame and extending forwardly therefrom, a nut pivotally mounted between front ends of the side bars of the yoke, a shaft having threaded front and rear end portions about which the nuts fit and a hand wheel intermediate its length for turning the shaft and tilting the frame forwardly and rearwardly to angularly adjusted positions, a shelf mounted above said brackets, bearing brackets carried by said shelf, a shaft rotatably supported by the bearing brackets, a drum carried by said shaft, a cable wound upon said drum, a pulley at the top of said frame, a guide pulley, a support for the guide pulley adapted to be mounted upon the tractor and support the guide pulley forwardly of the frame, said cable having a portion extending from the drum and engaged with the pulleys and extending downwardly from the pulley at the top of the frame and attached to the weight, a large pulley carried by said shaft, a belt engaged about the large pulley for transmitting rotary motion to the shaft and the drum from a power takeoff pulley of a tractor, a lever pivoted to the bracket at the other side of the frame from said shelf, arms pivoted to the bracket under the shelf, an idler pulley rotatably mounted between upper ends of the arms, and rods connecting said lever with said arms for swinging the arms upwardly and holding the idler pulley in engagement with the belt to tighten the belt and cause rotation of the drum to wind the cable thereof and draw the weight upwardly when the lever is swung in one direction.

2,468,972
MOISTURE MEASURING AND CALIBRATING APPARATUS FOR TREE CULTURE
Robert J. Hagerty, San Gabriel, Calif.
Application December 3, 1945, Serial No. 632,554
1 Claim. (Cl. 47—1.3)

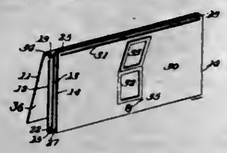


In a system of the class described adapted for measuring resistance and moisture content at the roots of trees in a field, comprising, a plurality of insulated conductors disposed in pairs at each tree trunk and positioned diametrically opposite to each other, an exposed end in each of said conductors positioned at an approximate lowermost root depth of said trees, a lead wire connector at the upper end of each of said conductors for connecting electric current carrying lead wires thereto, a panel means in said system, a plurality of switches on said panel means for designating the position of each tree on said field and for connecting said lead wires leading from each pair of conductors disposed in close proximity to the respective tree, and ohm meter in the circuit of said system for determining resistance between the respective conductors of any tree when the respective switch is closed and for measuring moisture content at the lowermost root depth of each tree.

2,468,973
MULTISECTIONED FOLDER
Ida Hambrock, Toledo, Ohio
Application July 4, 1945, Serial No. 603,231
2 Claims. (Cl. 150—28)

1. A handbag consisting of a blank divided into quarter sections by a principal central fold line

that folds the blank in half and two secondary fold lines that mate to fold the half into quarter sections, the quarter sections forming two intermediate and two end sections, pockets on one face in each of the two intermediate sections of the open blank with their mouths confronting each other adjacent the principal central fold and closed thereby, a third pocket on said one face



of the blank in one of the end sections with its mouth open to the adjacent secondary fold and closed by the other secondary fold, a fastener on said one face of the blank detachably holding the intermediate sections together when the blank is folded in half, and a second fastener on said one face of the blank to detachably hold the end sections together.

2,468,974
ROTARY SWITCH
Charles E. Hammer, Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation, a corporation of Maryland
Application August 9, 1946, Serial No. 689,390
8 Claims. (Cl. 200—6)



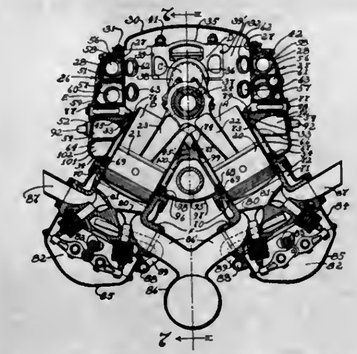
7. A casing construction for housing a switch mechanism including an apertured mounting plate, fastening means engaging certain apertures in said mounting plate arranged for the attachment of the front face of said mounting plate to a supporting structure, attachment means engaging certain apertures in said mounting plate arranged for the attachment of a switch mechanism to the rear face of said mounting plate, said mounting plate having a peripherally recessed portion on the back face thereof, a casing member engaging said peripherally recessed portion in said mounting plate at a near end of said casing member, an end closure disc engaging the far end of said closure member, said far end disc apertured to receive certain of said fastening means, retaining means engaging said fastening means for clampingly retaining said casing member between said end disc and said mounting plate, and electrical conductor means passing through an apertured portion of said mounting plate for connection to the switch mechanism arranged to permit ready removal of said end disc and said casing member for access to the enclosed switch mechanism without the necessity of removing said mounting plate from the supporting structure, the switch mechanism from the plate or disconnecting the electrical connections to the switch mechanism.

8. In a multiple switch construction, a switch supporting assembly, a plurality of switch units supported from said assembly arranged for individual actuation, a plurality of switch actuating levers pivotally supported upon said assembly and operatively associated with a respective switch unit, an actuating shaft journalled within said supporting assembly, a plurality of cam elements mounted upon said actuating shaft having cam faces engageable with said levers for their actuation, said cam elements having end faces arranged to engage the corresponding end faces of the adjacent cam elements arranged to positively maintain the relatively adjusted positions to which each cam element is adjusted without the necessity of removal of the adjacent cam elements, means for locking said cam elements in engagement with each other and in a fixed relationship to said actuating shaft and means for rotating an individual cam element into an adjusted position upon said actuating shaft upon release of said locking means and axial separation of the adjoining cam elements without the necessity of disturbing the adjustment of said adjacent cam elements.

2,468,975
PLASTIC COMPOSITION COMPRISING VINYL RESIN AND DICARBONATE ESTER
Fred J. Held, Jr., and Robert P. Blaine, Cleveland, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application August 24, 1946, Serial No. 692,932
11 Claims. (Cl. 260—29.1)

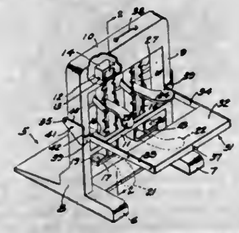
1. A plastic composition comprising a polymer of a monomeric material comprising predominantly vinyl chloride and from 5 to 100% by weight based on said polymer of a 4,4'-bis-alkylcarbonato (diphenyl alkane) in which both phenyl groups are directly attached to the same carbon atom in the alkane.

2,468,976
INVERTED V-TYPE ENGINE
Alexander G. Herreshoff, Grosse Pointe, and Wade Lamb, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 11, 1942, Serial No. 446,560
28 Claims. (Cl. 123—55)



6. A crankcase structure for an engine of the type having V-arranged banks of cylinders, comprising, transversely spaced side structures extending longitudinally of the engine, each of said side structures comprising inner and outer walls relatively spaced from each other, means comprising a plurality of pairs of transversely aligned V-arranged cylinder-receiving tubes connecting portions of the inner walls of said side structures, each of said tubes being arranged to receive a cylinder in jacketed relationship therewith for providing a coolant receiving space surrounding the cylinder, each of said side structures having a plurality of floors integrally connecting the inner and outer walls thereof and so constructed and arranged as to provide a coolant-receiving header between a pair of said floors communicating with the jackets of the cylinders of one of said banks.

2,468,977
PEDAL EXTENSION AND FOOTREST ATTACHMENT FOR PIANOS
George L. Hobbs, Glendale, Calif.
Application December 29, 1947, Serial No. 794,241
10 Claims. (Cl. 84—230)



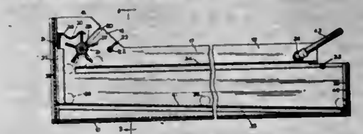
1. In a pedal extension and foot rest attachment for pianos, a base, a pair of uprights upstanding from said base in a parallel spaced apart relation, a cross piece uniting said uprights at their upper ends, said cross piece being U-shaped in cross section with the mouth of the U directed downwardly, an intermediate cross piece bridging the space between said uprights in a downwardly spaced relation to said U-shaped cross piece, each of said cross pieces having vertically alined openings in them, extensions adapted to rest upon piano pedals vertically slidable in said openings, and vertically adjustable means mounted upon said extensions for remotely operating said piano pedals.

2,468,978
COMPOSITION OF MATTER COMPRISING CARBON BLACK AND ALKYL THIAZYL DISULFIDES
Arthur L. Hollis, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application August 3, 1948, Serial No. 42,352
3 Claims. (Cl. 106—307)

1. A dry, free-flowing composition consisting of pelletized carbon black on which has been absorbed from 10 to 50% by weight, based on the total composition, of an oily liquid mixture of bis-alkylthiazyl disulfides containing about 75 to 85% bis-4,5-dimethylthiazyl disulfide, about 15 to 20% bis-4-ethylthiazyl disulfide, and less than 10% of 4,5-dimethylthiazyl-4-ethylthiazyl disulfide.

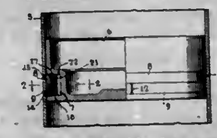
2,468,979
WHEEL TYPE TARGET MEMBER
Charles W. Howard, Long Beach, Calif.
Application October 24, 1947, Serial No. 781,913
3 Claims. (Cl. 273—127)

1. A movably mounted game target device designed to be actuated by a projected game piece, comprising a shaft, a wheel rotatable thereon and including a plurality of flat, radial blades having wide front and back faces disposed in planes paralleling the turning axis of the shaft, and yieldable holding means for the wheel adapted to release the wheel for turning when a blade is struck by a game piece comprising a long



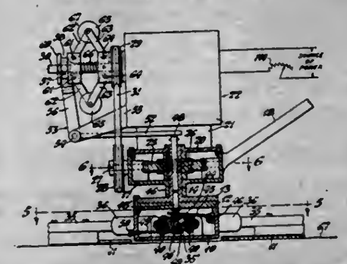
spring arm secured at one end to extend over the top of the wheel and formed to provide a downwardly bowed portion merging into an upwardly bowed arched terminal portion in which latter portion is releasably engaged the top edge of an upwardly projecting blade.

2,468,980
PISTON SEALING STRUCTURE
Matthew W. Huber, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application August 2, 1944, Serial No. 547,797
3 Claims. (Cl. 309—44)



1. A piston ring assembly for mounting in the ring groove of a piston and comprising in combination at least two metallic snap rings assembled side by side to fill the width of the groove, the inner surfaces of rings which contact the sides of the groove being beveled toward the contacted side; a continuous rubber-like sealing ring underlying said rings, extending from side to side of the groove and having marginal portions which fit said bevels; and expanding means adapted to react outward upon substantially the entire inner surface of said sealing ring.

2,468,981
TROWELING MACHINE
James O. Huffman, Los Angeles, Calif.
Application October 29, 1946, Serial No. 706,479
4 Claims. (Cl. 94—45)



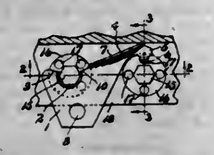
1. In combination with a troweling machine of the type including a plurality of trowel members revolvable about a common axis and in which

each of the trowel members is tiltable on an axis extending radially of the axis of revolution: a variable speed power means connected to said trowel members for revolving said trowel members; a tilting mechanism connected to each of said trowel members for tilting the same; a governor connected to said driving means and having a member movable in response to variations in speed of said driving means; and means interconnecting the movable member of said governor with said tilting mechanism for tilting said trowel members to various angles in response to variations in speed of said driving means.

2,468,982
PREPARATION OF BIS-PHENOLS
Jacob Eden Jansen, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 19, 1946, Serial No. 704,525
10 Claims. (Cl. 260—619)

10. In a process wherein a phenol is condensed with a carbonyl compound containing oxygen in carbonyl linkage and being otherwise composed exclusively of carbon and hydrogen atoms, in an acidic medium, the step which comprises carrying out the condensation in the presence of a catalyst selected from the class consisting of mercapto-substituted aliphatic carboxylic acids and the mercaptols and mercaptals of such mercapto-acids.

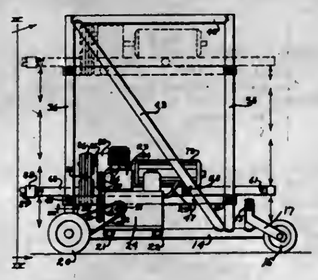
2,468,983
TAPPET HOLDING WRENCH
Charles E. Johnson, North Muskegon, Mich., assignor to Johnson Products, Inc., Muskegon Heights, Mich., a corporation of Michigan
Application January 21, 1946, Serial No. 642,538
2 Claims. (Cl. 81—3.02)



1. A tappet holding wrench comprising a flat metal body widened at one end and having at a side edge thereof a recess to receive the shank of the screw of a tappet, said body at its opposite end having a downturned tongue adapted to be inserted into a hole at the upper end of the next adjacent tappet, said recess having an entrance opening through the edge of said body through which said shank may pass, the width of said entrance opening being less than the diameter of said recess whereby to partially embrace said shank of said screw.

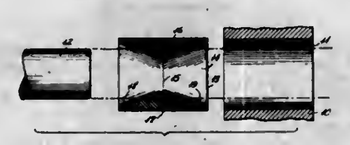
2,468,984
MACHINE FOR SANDBLAST CLEANING OF TUBULAR GOODS
Kenneth L. Krieg and William T. Johnson, Valley Center, Kans.; said Johnson assignor to said Krieg
Application May 31, 1947, Serial No. 751,512
4 Claims. (Cl. 51—8)

1. In a machine for carrying out the described process of sand blast cleaning, a power driven carriage supported on wheels, said carriage having an elevatable frame thereon, and means for holding said frame in adjusted elevated positions, a stationary cylinder and sand blast tube carried on said frame, and a revolvable sand blast tube carried on said cylinder, and power means carried on said frame, and means connected between said power means and the rotatable sand blast tube for rotating the rotatable tube, a ro-



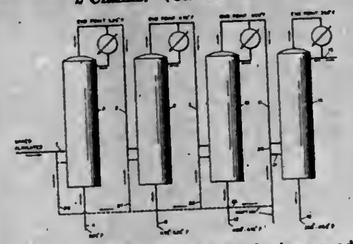
tatable sand blast extension tube and means for connecting the extension tube to the first said rotatable tube, a sand blast nozzle, said sand blast nozzle being mounted on the outer end of the sand blast extension tube in sand blast receiving relationship thereto, and means for connecting a sand blast hose from a sand blast machine to the rear end of the said atationary sand blast tube.

2,468,985
RESILIENT CONNECTION AND METHOD OF MAKING SAME
Alvin S. Krotz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 26, 1943, Serial No. 511,775
10 Claims. (Cl. 287—85).



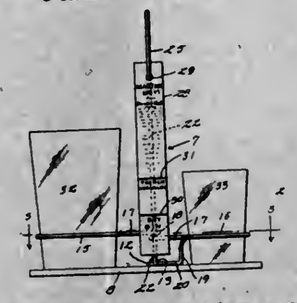
1. A resilient connection comprising a housing having a bore, an inner element extending through said bore, and a body of resilient rubber-like material surrounding said element within said bore under radial compression and unadhered to said housing and said element, said body comprising an annular bushing located in said bore, said bushing having a circumferentially substantially uniform wall thickness at its ends less than the radial space between said element and said housing and an annular zone between its ends of circumferentially substantially uniform thickness greater than such radial space and having a bore flared from said annular zone toward said ends, said bushing being adapted to fill the space between said housing and said element for the length of the bushing by distortion of the resilient material in the assembled position of the parts without substantial lengthening of the bushing.

2,468,986
PREPARATION OF ODORLESS FRACTIONS OF HIGHLY BRANCHED PARAFFINS
Harold B. Legatski and Chester C. Crawford, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application September 17, 1945, Serial No. 616,930
2 Claims. (Cl. 196—73)



1. An improved process for producing an odorless branched-chain paraffin hydrocarbon fraction boiling from 350 to 400° F. from an olefin-free paraffinic charge stock containing same and also higher-boiling and lower-boiling branched-chain paraffin hydrocarbons, said stock being free from sulfur and nitrogen contaminants and containing oxygen, which comprises subjecting such a charge stock to fractional distillation and removing therefrom an odorous distillate comprising said desired 350 to 400° F. fraction and lower-boiling paraffin hydrocarbons, introducing a stream of said odorous distillate into an intermediate point of a fractional distillation column, withdrawing from said column as a distillate an odorous stream of paraffin hydrocarbons boiling below 350° F., and removing as a kettle product from said column an odorless fraction boiling from 350 to 400° F. as a product of the process.

2,468,987
DEVICE FOR COMPOUNDING MIXED DRINKS
Guy P. Le Moyne, Fort Myers, Fla.
Application August 26, 1946, Serial No. 693,125
3 Claims. (Cl. 73—428)



1. In a drink mixing device, a base, a rack secured thereto and disposed thereabove, said rack being provided with a container holder disposed above and parallel to the base and adapted to support a transparent mixing container in a fixed position on the base, a card holding portion forming a part of the rack adapted to support a recipe card in predetermined spaced relationship to the mixing container and externally thereof, said card bearing indicia on one side thereof including graduations and instructions for the compounding of a particular drink, and said card holding portion being disposed at a predetermined level above the container holder and base and substantially parallel to the plane of each to support the card with the graduations thereof at a predetermined level relatively to the mixing container bottom, said card holding portion including spaced rod portions disposed substantially parallel to the base and each of which is adapted to support a plurality of the indicia bearing cards, and an arcuate portion connecting said rod portions and by which the cards are movable from one rod portion to the other.

2,468,988
FISH LURE
Garrett B. Lobdell, North Tonawanda, N. Y.
Application December 18, 1946, Serial No. 716,905
4 Claims. (Cl. 43—42)



1. A fish lure, comprising a spoon-shaped body having an aperture near one extremity and having a hook-shaped finger offset from a central part of said body to be positioned so as to extend across the longitudinal axis of the body, a hook having a back fitted under said hook-shaped finger and having a reversely bent barbed end, the opposite end of said hook extending through said aperture, and means for securing a fish line to said opposite end of said hook on the convex side of said body.

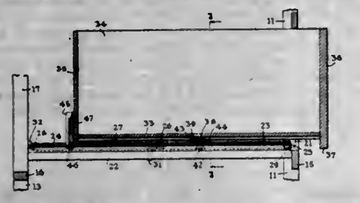
2,468,989
UNCOOKED WRINKLE COMPOSITION CONTAINING SYNTHETIC RUBBER AND CONJUGATED DOUBLE BONDED OIL
Enrique L. Luaces, Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 9, 1945, Serial No. 598,649
8 Claims. (Cl. 260—23.7)

1. As a new composition of matter, a wrinkle drying coating composition comprising a conjugated double-bonded oil and synthetic rubber solution in proportions of 100 parts by weight of said oil to from 10 to 50 parts by weight of dry rubber in an organic solvent, said rubber being a butadiene derivative, selected from the group consisting of butadiene styrene copolymer, butadiene acrylonitrile copolymer and polychloroprene.

2,468,990
GUIDING AND SUPPORTING STRUCTURE FOR DRAWERS
Carl Brynolf Lundstrom, Little Falls, N. Y.
Application July 13, 1945, Serial No. 604,789
5 Claims. (Cl. 45—77)

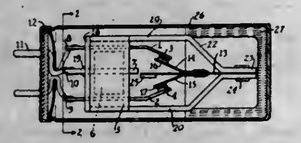
1. The combination of a supporting structure having an opening for a drawer; a drawer movable through said opening; a cradle underlying said drawer and comprising a rectangular frame having a longitudinal channel member mounted substantially at the longitudinal center line thereof, said channel member opening toward one face of the cradle; channeled guiding means serving to sustain said cradle in said structure;

channeled guiding means alone serving to sustain said drawer on said cradle; and two guiding means mounted respectively on the drawer and on the supporting structure, one of which straddles said longitudinal channel member, and the



other of which enters the channel thereof, each said means being effective over at least half the length of the drawer or the cradle, as the case may be, to maintain lateral position and alinement thereof.

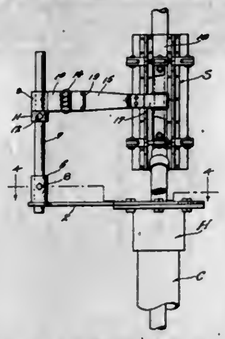
2,468,991
VIBRATING DEVICE
José A. Mas, Indianapolis, Ind., assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware
Application October 6, 1945, Serial No. 620,717
3 Claims. (Cl. 200—87)



1. In a vibrating device the combination with a frame, a vibrating reed secured at one end of said frame and having its free end projecting toward the opposite end of said frame, a molded insulating base having imbedded therein and supported thereby in predetermined spaced relation and extending on opposite sides of said reed a pair of resilient relatively stationary supporting arms carrying contacts adapted to face one another and a driving magnet having a pole piece unobstructed by the molded insulating base, said base being supported at the end of the frame opposite the support for the reed having a portion thereof embracing a portion of the frame and so supported in the frame as to present the pole piece of the magnet toward the free end of said reed.

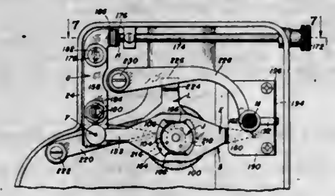
2,468,992
HANGER BRACKET DEVICE
William J. Miller, Inglewood, Calif.
Application February 17, 1944, Serial No. 522,776
2 Claims. (Cl. 166—16)

1. In well drilling equipment, means for supporting and centering an oil saver relative to a well casing, comprising an elongated arm, means rigidly securing an end of the same to the upper end of a well casing to extend laterally therefrom, an upstanding post carried by said arm and extending above the upper end of the well casing, a collar slidable on the post, means rigidly locking the collar in selected position upon the post, an arm freely swingably mounted on the post and resting upon the collar, another arm hingedly connected with the second-named arm, and means rigidly securing said last-named arm to an oil saver, the hingedly connected arms being



arranged to coact with the first arm to center the oil saver with and above the well casing to which the first arm is secured.

2,468,993
MOTION-PICTURE PROJECTOR
Lewis H. Moomaw, Great Neck, N. Y., assignor to De Jur-Amsco Corporation, Long Island City, N. Y., a corporation of New York
Application October 17, 1946, Serial No. 703,808
15 Claims. (Cl. 88—18.4)

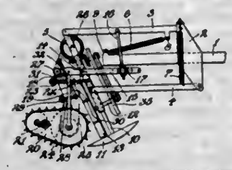


11. A motion picture projector comprising a housing a claw arm for controlling the motion of the film, actuating mechanism for said claw arm, a pivot to which said actuating mechanism is oscillatably connected, and adjustable framing mechanism comprising a member mounted in said housing so as to be slidable within limits and carrying said pivot and a cam continuously manually rotatable in a given directon and active upon said member to slidably position the same in said housing and thus position said pivot, thereby adjusting the framing of the film in said projector.

2,468,994
AUTOMATICALLY CORRECTED MEANS FOR REMOVING BEETROOT TOPS
Jean Moreau, Noyelles-sur-Escaut, France
Application March 12, 1947, Serial No. 734,002
In France March 24, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires March 24, 1959
5 Claims. (Cl. 55—107)

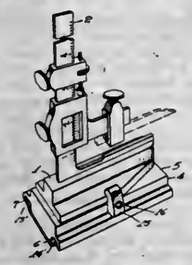
1. For attachment to a beetroot digging machine, means for removing beetroot tops, comprising: an articulated parallelogram having members oscillatably mounted on the digging machine, supporting frame members carried by

the articulated parallelogram, a circular, concave top-removing knife rotatably supported by the said supporting frame members, means for transmitting rotary motion from the digging machine to the top-removing knife, a pair of forwardly and rearwardly extending levers fulcrumed on the supporting frame members, struts pivoted to and extending downwards from the leading ends of the said levers, a self-laying track carried by



the said struts in advance of the top-removing knife, means for driving the self-laying track at a speed slightly greater than the speed of travel of the digging machine so that it tends to draw the tops of the beetroots backwards towards the top-removing knife, pivoted links connecting the rearwardly extending arms of the levers to the articulated parallelogram, and means for varying the effective length of the rearwardly extending arms of these levers.

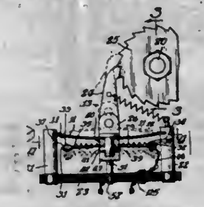
2,468,995
HEIGHT GAUGE
Harry Morrison, Pittsburgh, Pa.
Application August 31, 1944, Serial No. 552,099
3 Claims. (Cl. 248—346)



1. An auxiliary base for a measuring instrument having a foot-like base with a bottom plane surface, said auxiliary base comprising a generally rectangular block having a plane top surface for receiving the bottom surface of the foot-like base, means for clamping the bases together; roller bearing races along the longer outer bottom edges of the auxiliary base, and a row of roller type bearings of uniform size in each of the races, whereby movement of the instrument on a plane reference surface is facilitated.

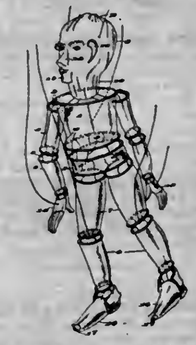
2,468,996
COMPENSATED THERMAL MOTOR
Ray G. Olson, Glenview, Ill., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application April 14, 1947, Serial No. 741,240
7 Claims. (Cl. 172—126)

1. A thermally actuated timing device comprising a dish-shaped snap-impulse bimetallic operating member supported at its outer edges and adapted when heated to snap from a normal position to an inverted position and when cooled to return to normal position; a shiftable fitting at the center of said operating member and a compensating member mounted on said fitting; the compensating member comprising an auxiliary bimetallic member strip adapted to flex in one plane only and secured to the fitting at the midpoint of the strip whereby the opposite ends



of the strip are unsupported and adapted to flex gradually and progressively away from the operating member in response to heat; an electrical heating unit extending between the unsupported ends of the bimetallic strip, and a pair of breaker contacts responsive to the movement of the operating member to break the circuit through the electrical heating unit.

2,468,997
MANUFACTURE OF MARIONETTES
Mildred M. Osgood, Terre Haute, Ind.
Application April 21, 1944, Serial No. 532,171
12 Claims. (Cl. 46—126)



1. A marionette constructed at least partly from thin sheet material rolled into the general shape of hollow cylinders with the cylinders spread apart and loosely connected at their peripheries by means of threads to produce joints, said sheet material being resilient and sufficiently stiff to hold its shape when rolled.

2,468,998
RETAINER-STRIPPER UNIT FOR PUNCH PRESSES
John H. Parsons, Pontiac, Mich.
Application January 21, 1947, Serial No. 723,422
8 Claims. (Cl. 164—110)

1. A retainer-stripper unit for use in presses comprising a retainer block having a plurality of spaced bores therethrough, a punch mounted in one of said bores and extending beyond a face of

said block, stripper means for said punch spring-pressed against said face of the block, said stripper means including a plate adapted to engage said face of the block, resilient work-engaging



means carried by said plate in position to engage the work in advance of the punch when the press is operated, and spring-controlled securing means for said plate mounted in another of said bores and passing through an aperture in said plate.

2,468,999
LIFTING DEVICE
Eugene H. Pettler, Beaver, Pa.
Application [illegible]ober 13, 1946, Serial No. 704,103
[illegible]laims. (Cl. 214—85.2)



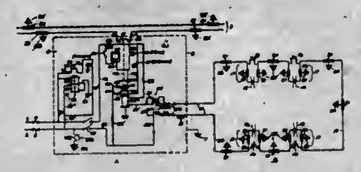
1. In a lifting hoist, a pair of gripping forks comprising a plurality of substantially rectangular frames in parallel alignment, the front uprights of which are channel members for receiving a tie rod that is slidable vertically therein, a tie rod disposed in said channels, the ends of which are adapted to interact with said channel to prevent displacement of the tie bar therein, means for raising and lowering said tie bar, and means mounted on the lower horizontal frames of said forks for exerting a gripping pressure on a load disposed between said forks whereby the load is supported on said forks from pressure exerted on the side of the load.

2,469,000
VALVE-ACTUATING LEVER
Herman E. Pleasant, Holland, Mich., assignor to Crampton Manufacturing Company, Holland, Mich., a corporation of Michigan
Application July 22, 1946, Serial No. 685,369
1 Claim. (Cl. 4—67)



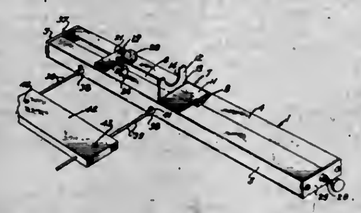
A device of the class described, a one-piece tubular fixture adapted to be fixedly secured in an opening in the wall of a toilet tank, said fixture including a flanged head and a radial face, the radial face having an integral eccentrically disposed laterally projecting arcuate lug thereon, a handle having an enlarged interiorly chambered head of substantially hemispherical shape and including a free peripheral edge which extends about and over the flanged head of the fixture, a centrally projecting spindle integral with the head and extending beyond the peripheral edge thereof, spaced radially disposed webs of substantially the depth of the chambered head therein integral with and extending from the spindle radially outwardly to and integral with spaced portions of the inner wall of the head thus forming an arcuate space in the head and within which space the lug is disposed for limiting the rotative movement of the handle relative to the fixture, a valve actuating lever secured to the extended end of the spindle, and a flush valve attached adjacent the other end of the lever.

2,469,001
ABNORMAL TEMPERATURE AND GROUND DETECTOR ALARM SYSTEM
Edward J. Poitras, Hailiston, Mass.
Application April 19, 1946, Serial No. 663,282
7 Claims. (Cl. 177—311)



1. In an alarm system for warning of an abnormal operating condition, an electrical switch responsive to the abnormal condition, an electric conductor in circuit with the switch, the conductor having grounded conductive metallic shield means substantially encompassing and normally insulated from it, an alarm device actuated in response to operation of the switch due to an abnormal operating condition, and ground detector means responsive to a shorted condition as between the conductor and the shield means.

2,469,002
GOLF PRACTICE DEVICE
Sante Quattrin, San Francisco, Calif.
Application May 26, 1947, Serial No. 750,392
11 Claims. (Cl. 273—35)

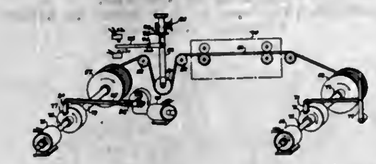


1. In a golf practice device of the character described, a frame, an abutment slide slidably held on the frame, a member on the abutment slide extended above the frame to be engaged by the head of a golf club, a ball supporting slide guided on the frame normally spaced from said abutment member toward the end of the frame away from the direction of approach of the golf club to said abutment member and being aligned with said member to hold a ball in the path of said club when the said slide is shifted to said member, and resiliently yieldable means to return said abutment slide to an initial position when released by the head of the golf club.

2,469,003
LUBRICATING OIL COMPOSITIONS
Albert G. Bocchini, Springdale, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application July 14, 1947, Serial No. 760,943
3 Claims. (Cl. 252—32)

1. A lubricating oil composition essentially comprising a major proportion of a hydrocarbon oil of lubricating viscosity and between about 0.1 and about 5.0 per cent by weight of the composition of an oil-soluble polyvalent metal salt of naphthenoxy-stearic acid.

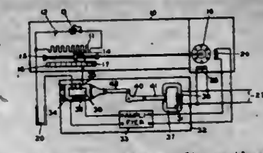
2,469,004
BACK TENSION DRIVE
John D. Roschrough, Detroit, Mich., assignor to American Blower Corporation, Detroit, Mich., a corporation of Michigan
Application October 23, 1944, Serial No. 559,966
9 Claims. (Cl. 242—75)



9. An apparatus for producing back tension upon material being processed that includes in combination, an apparatus for supporting a supply of material and from which it will be unwound, means for withdrawing the material from the said source and thereby unwinding the same, means for producing back tension upon the material while being unwound comprising a variable speed fluid coupling having one rotatable element thereof connected to the said apparatus and the second rotatable element thereof connected to a source of power and rotated in the opposite direction to the first element, and means actuated in response to a change in tension upon the material for changing the speed relationship between the said elements of the said fluid coupling.

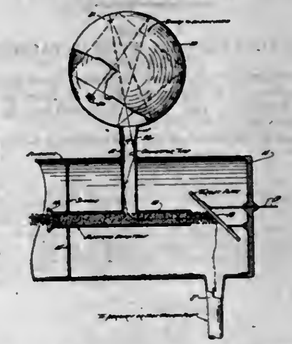
2,469,005
MAGNETOSTRICTIVE CONDITION-RESPONSIVE APPARATUS
John L. Russell, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application February 8, 1947, Serial No. 727,327
7 Claims. (Cl. 318—28)

2. In combination, means responsive to variations in a variable condition for causing a flow of direct current of intensity corresponding to said variations, a magnetostrictive core structure having a winding for receiving said current, means responsive to alternating current for subjecting said core structure to cyclically varying physical stresses to produce corresponding variations in the permeability thereof and thus in the magnetic flux produced in said structure by said direct current, said core structure also having a secondary winding in the path of said flux for



the inducing therein of an alternating electromotive force of frequency corresponding to that of said flux and of magnitude and phase dependent upon the respective intensity and direction of said direct current.

2,469,006
APPARATUS FOR HIGH EVACUATION
Eugene F. Shelby, Long Beach, Calif.
Application September 27, 1944, Serial No. 556,043
3 Claims. (Cl. 230—69)

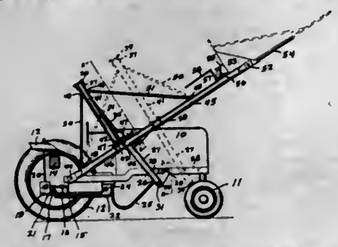


1. An apparatus for evacuating a chamber or envelope comprising a housing, an electron gun at one end of the housing, a target plate at the other end of the housing, a partition in the housing between the electron gun and the target plate, a conductor tube leading into the housing to which the chamber or envelope to be evacuated may be connected, and a beam tube extending through the partition and connected to the conductor tube adapted to have an electron beam from the electron gun pass therethrough to the target.

2,469,007
MANURE LOADER
Owen C. Siebring, George, Iowa
Application March 24, 1947, Serial No. 736,881
2 Claims. (Cl. 214—140)

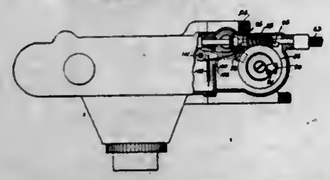
1. A manure loader comprising a pair of arms, hydraulic means for raising said arms including a pair of hydraulic cylinders pivotally attached to a tractor to which said arms are pivoted, said cylinders having pistons therein, rods attached to said pistons, an inverted U-shaped brace member attached to said arms, bearing members attached to said rods receiving the horizontal portion of said U-shaped bracing member, means for positioning said bracing member at selected positions along said arms for providing greater lift-

ing effort to said arms, rods attached to said bracing member and said arms, said rods adapted to provide further bracing means, said rods being of such lengths so that upon adjustable positioning of said bracing member, said rods can be



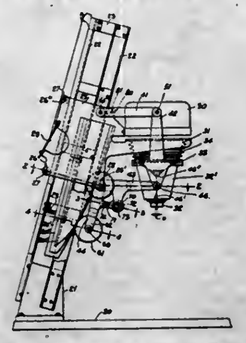
interchangeably attached, brackets attached to the tractor, said cylinders being pivotally attached to said brackets, means for adjustably positioning said brackets at selected positions to the tractor.

2,469,008
ROLL FILM CAMERA WITH DETACHABLE MAGAZINE
Alfred Simmon, Jackson Heights, and Louis L. Weisglass, New York, N. Y., assignors to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application September 28, 1944, Serial No. 556,104
1 Claim. (Cl. 95—31)



In a camera with a detachable roll film magazine, film advancing means, exposure counting means, automatic means to stop the movement of said film advancing means after a predetermined length of film has been advanced, all supported within the magazine, and means to modify said automatic means supported within the camera itself; said film advancing means comprising a first relatively fast rotating shaft; said exposure counting means comprising a train of gears driven by said first shaft, and a second relatively slowly rotating shaft driven by said train of gears; said automatic means to stop the movement of said film advancing means comprising a first and a second projection carried by said first shaft, a first movable obstruction and means actuated by said second shaft to move said first obstruction into the path of the first of said projections after a predetermined length of film has been advanced in a first direction in which the film is wound into the magazine, and to move said obstruction into the path of the second projection, after a predetermined length of film has been advanced in a second direction in which the film is wound out of the magazine; said means to modify said automatic means comprising a second movable obstruction supported within the camera and adapted to be placed automatically between the second of said projections and said first obstruction, when said magazine is attached to said camera; whereby, when said magazine is detached from said camera, the movement of said film advancing means is stopped by the coaction of the first projection with said first obstruction after a predetermined length of film has been advanced in the first direction, the magazine then being fully loaded, and by the coaction of the second projection with said first obstruction after the same length of film has been advanced in the second direction, the magazine then being entirely empty and whereby, when said magazine is attached to said camera, the movement of said film advancing means is again stopped by said coaction of the first projection and said first obstruction after the same predetermined length of film has been advanced in the first direction, the magazine then again being fully loaded, and by the coaction of the second projection and said second obstruction after another, but shorter, predetermined length of film has been advanced in the second direction, the magazine then still containing a short length of film, said first obstruction pushing said second obstruction into the path of said second projection.

2,469,009
MANUAL FINE FOCUSING MEANS FOR AUTOFOCUS ENLARGERS
Alfred Simmon, Jackson Heights, N. Y., assignor to Simmon Brothers Inc., Long Island City, N. Y., a corporation of New York
Application February 26, 1946, Serial No. 650,293
2 Claims. (Cl. 88—24)



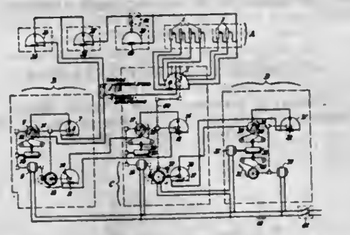
1. In an autofocus enlarger comprising a base, a substantially vertical support, and a projector adapted to slide on said support; at least one stationary cam in said support; a focusing mechanism attached to said projector and comprising a movable lens carrier and a two-armed pivoted lever, a first arm of said lever operatively connected to said lens carrier, and a second arm forming an angle with said first arm, a cam-following roller carried by said second arm in contact with said cam, and a manual fine focusing device including means to adjust the angle between said two arms.

2,469,010
RAZOR
Richard H. Smith, Newton, Mass.
Application April 7, 1944, Serial No. 529,906
3 Claims. (Cl. 30—50)

1. A razor comprising a pair of blades each of generally parallelogrammic shape and having a single-beveled cutting edge, and a holder for supporting said blades at an acute angle to each other with their cutting edges maintained in predetermined spaced parallel relationship, one edge of each blade having a contour dissimilar to the opposite edge of said blade and said holder having parts shaped to receive the dissimilar portions of each blade so that said blades can be fitted into said holder only in such a way as always to maintain the same relationship between their single-beveled cutting edges.



2,469,011
TRAIN PERFORMANCE CALCULATOR AND RECORDER
Spencer V. Smith, Wayne, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 5, 1946, Serial No. 674,540
1 Claim. (Cl. 235—61)



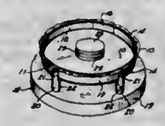
In a device for calculating train performance data, means for producing a voltage proportional to tractive effort, means for adjusting and calibrating said voltage to correspond with predetermined acceleration values for a plurality of train speeds, means including a self-balancing potentiometer and an acceleration integrator for producing a second voltage proportional to speed and means including a self-balancing potentiometer and a speed integrator for producing an indication of distance.

2,469,012
HOE ATTACHMENT FOR RAKES
Will K. Smith, Arcadia, Calif.
Application September 24, 1946, Serial No. 698,944
1 Claim. (Cl. 56—400.05)



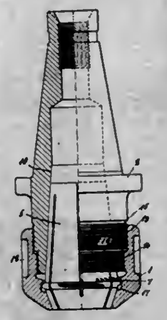
A hoe attachment for rakes comprising: a reversely bent metal sheet forming a channel for the snug accomodation of the back of a rake; said channel being provided at one end of one side thereof with a right angularly disposed blade extension; the side of said channel opposite said blade extension being cut away so as to leave the entire length of said blade unobstructed, and both sides of said channel being formed with aligned pairs of bolt holes arranged to intervene the tines of a rake to which said attachment is secured.

2,469,013
METHOD OF EVALUATING PAPER TOWELING OR THE LIKE
John Sobota, Green Bay, Wis., assignor to Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin
Application January 19, 1948, Serial No. 3,015
2 Claims. (Cl. 73—159)



1. The method of evaluating paper toweling or the like including the steps of supporting a circular extent of the toweling on a frame by engaging the peripheral portions thereof with said frame in such a manner that the portion of the towel within the engaged peripheral portions thereof is relatively taut and lies in substantially one plane only, then wetting said last mentioned portion of toweling, then supporting the frame in a horizontal plane, and then applying to the toweling at substantially the center thereof a progressively increasing number of weights of substantially the same shape as the portion of the toweling within the frame until the breaking point of the toweling is reached.

2,469,014
CHUCK
David Stålhandske, Bofors, Sweden
Application September 4, 1945, Serial No. 614,380
In Sweden February 8, 1944
5 Claims. (Cl. 279—55)



1. A chuck comprising a body having a taper bore, a collet adapted to carry a tool inserted

therein and having a tapered portion adapted to fit tightly in said taper bore of said body, and a locking nut having screw threads for screwing said nut to said body to secure said collet to said body, said collet having exteriorly a plurality of cams forming segments of a multiplex thread, said nut having interiorly a plurality of corresponding cams forming segments of a multiplex thread and being adapted to coact with said cams of said collet, said multiplex threads and said screw threads extending in opposite directions, said cams of said nut and said cams of said collet being adapted to engage each other and coact to loosen said collet from said body when unscrewing said nut.

2,469,015

METHOD AND COMPOSITIONS FOR PRODUCING SURFACE CONVERSION COATINGS ON ZINC

Jesse E. Stareck and Lester M. Corliss, Detroit, Mich., assignors to United Chromium, Incorporated, New York, N. Y., a corporation of Delaware

No Drawing. Application February 20, 1943, Serial No. 476,648

10 Claims. (Cl. 204—56)

1. A composition of matter for make-up of aqueous electrolytic baths for the production of surface conversion coatings on metals of the group consisting of zinc, tin, lead, copper and silver, having as its essential constituents a water soluble alkali-metal chromate and a water soluble compound containing auxiliary acid radicals of the group consisting of SO_4, F, SeO_4 and SiF_6 in the respective weight proportions

Cr^{VI}/SO_4=10:1 to 30:1

Cr^{VI}/SeO_4=10:1 to 30:1, Cr^{VI}/F=50:1 to 150:1 and Cr^{VI}/SiF_6=20:1 to 60:1, the amount of alkali metal in said composition being sufficient to impart a pH of 2 to 7 when dissolved in water.

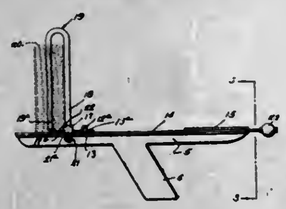
2,469,016

GRAVITY FED DISK MAGAZINE

George M. Stopper, Glendale, Calif.

Application December 12, 1946, Serial No. 715,752

5 Claims. (Cl. 124—47)



1. A toy comprising a stock having a hand grip, a forward striker-supporting platform carried by said stock at one end thereof, and a U shaped feeder mechanism having one leg pivoted on said platform, the remaining leg of said feeder supporting a plurality of stacked discs, said last-mentioned leg of said U shaped feeder being spaced above said platform and being adapted to swing outwardly relative to said platform for reloading discs thereon.

2,469,017

METHOD OF TERMINATING THE POLYMERIZATION OF BUTADIENE-1,3 HYDROCARBONS

Sherman A. Sundet, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application June 8, 1945, Serial No. 598,408

3 Claims. (Cl. 260—84.3)

1. In a process wherein a monomeric butadiene-1,3 hydrocarbon is polymerized in aqueous emulsion in the presence of a peroxygen compound, the step which comprises supplying to the emulsion, at a time when 20 to 80% of the monomeric material is polymerized and the remainder thereof remains unpolymerized, an organic compound possessing the quinonoid structure and a water-soluble inorganic sulfide of the class consisting of hydrogen sulfide, ammonium sulfide and alkali metal sulfides and hydrosulfides, the said compound of quinonoid structure being supplied to the emulsion at least as soon as the said sulfide and in an amount from 0.001 to 0.05% by weight based on the amount of monomeric material originally present in the emulsion before polymerization, and the said sulfide being supplied to the emulsion in an amount from 0.01 to 0.2% by weight based on the amount of monomeric material originally present in the emulsion, whereby further polymerization of monomeric material is immediately terminated, and the unpolymerized monomeric material present in the emulsion permanently remains in the monomeric state.

2,469,018

CYLINDER LOCK KEY RETAINER AND POSITIONER

Gunnar E. Swanson, New Britain, Conn.

Application August 17, 1945, Serial No. 611,039

6 Claims. (Cl. 70—389)



1. A cylinder lock comprising in combination, a barrel having a longitudinal locking slot, a rotatable cylinder in the barrel provided with a longitudinal key slot and provided with locking means which projects into the barrel slot to prevent cylinder rotation and thereby effect locking and which upon insertion of a correctly bitted key is withdrawn from the said slot to permit cylinder rotation and thereby effect unlocking, a movable member carried by the cylinder and adapted to enter a notch in the key to prevent key withdrawal, means on the barrel which permits the said movable member to be moved out of the key notch when the cylinder is in locking position and which causes the said member to move into the key notch when the cylinder is turned out of locking position, and a spring which biases the said movable member for movement out of the key notch so as to permit key withdrawal when the cylinder is in locking position, the said spring in conjunction with the said movable member serving to indicate to the user that the cylinder has been turned to locking position and also serving to resist turning of the cylinder out of locking position.
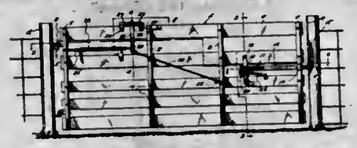
2,469,019

FARM GATE

Herbert K. Tabler, Plymouth, Ill., assignor to Imogene Tabler, Plymouth, Ill.

Application May 16, 1945, Serial No. 594,569

1 Claim. (Cl. 160—145)



A gate comprising longitudinal rails and vertical bars pivotally connected to the rails, means pivotally supporting one end of the gate for horizontal swinging movement, a longitudinally extending plate secured to the uppermost rail of the gate and having longitudinally spaced openings, a transversely extending pin selectively received in said openings, a lever pivoted at one end to said pin and extending downwardly therefrom, a member pivoted to the lower end of said lever and extending downwardly and toward the free end of the gate and attached at its opposite end to one of said uprights adjacent the free end of the gate, and a coil spring connecting the lower end of the lever to the hinged end of the gate.

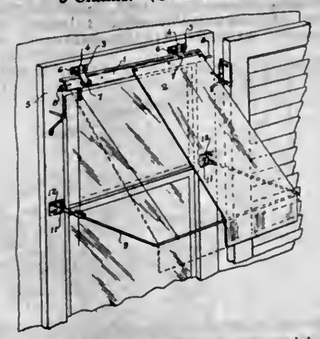
2,469,020

AWNING HANGERS AND MEANS FOR SUSPENDING AWNINGS ON SAID HANGERS

Robert D. Thomson, Lynn, Mass.

Application May 21, 1945, Serial No. 594,937

5 Claims. (Cl. 160—77)



2. An article of manufacture comprising an awning device adapted to be hung from suitable fixtures on a structure to be shaded by said device, a head provided with laterally projecting terminating pins, one on each end of the head, means on the head for engaging certain of the fixtures on the structure, and a frame comprising members certain of which have connected therewith slotted-eye-ends adapted to selectively engage certain of the fixtures on the structure and the above mentioned terminating pins.

2,469,021

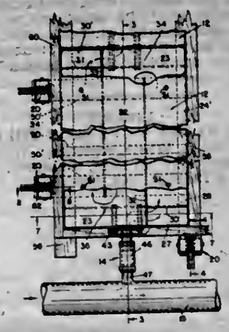
PORTABLE ICE SKATING FLOOR

Herman Vetter, Los Angeles, Calif.

Application May 2, 1947, Serial No. 745,470

9 Claims. (Cl. 62—12)

1. In ice rink construction, a plurality of hollow floor sections joined together in edge to edge relation constructed and arranged for circulation of a refrigerant therethrough, means forming a curb around said sections, and resilient



means at spaced points along the outer side of said curb yieldably urging the curb against said sections.

2,469,022

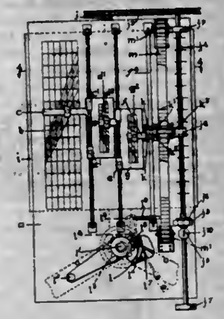
COMPUTER FOR DETERMINING THE CORRECT PROPORTIONS OF INGREDIENTS FOR A SELECTED MIXTURE

Ronald William Walker and William George Jamieson, Glasgow, Scotland

Application April 22, 1946, Serial No. 663,904

In Great Britain May 22, 1945

6 Claims. (Cl. 235—61)



5. An instrument for the purpose set forth comprising an indicator in the form of a series of graphs denoting the amount of a substance which must be added to various quantities of an ingredient in order to meet various specific requirements, a moveable member to register with said indicator, a second indicator which moves with said moveable member and which is in the form of a series of graphs denoting the alteration of the quantity of the substance to be added by virtue of the addition to the first ingredient of various amounts and qualities of a second ingredient, a second moveable member to register with the second indicator and which, by its position, determines the amount of the substance indicated by the setting of the first moveable member and altered by the setting of the second moveable member, the amount so determined being that which must be added to

the combined quantities of the first and second ingredients in order to meet a specific requirement, a tank, means for adjusting the effective capacity of the tank, a cock controlling the inlet and discharge of the substance to and from said tank, and means whereby said cock can be operated only when the instrument and the effective capacity of the tank are adjusted to correspond.

2,469,023
PIVOTAL STAKE AND LATCH THEREFOR
William G. White, Aberdeen, Wash.
Application May 28, 1948, Serial No. 29,800
4 Claims. (Cl. 280—145)



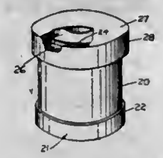
1. A stake bunk, comprising a bunk, a stake pivotally mounted on one end of said bunk, a hook extending laterally from said stake, a latch pivotally mounted on said bunk for cooperation with said hook to hold said stake at substantially right angles to said bunk, a crank fixed to said latch, a link pivotally connected to said crank and extending longitudinally of said bunk to the opposite end thereof, a cam roller journalled on said link, a cam fixed to said bunk for cooperation with said roller to hold said link in latch locking position, and a dog fixed to a manually operable lever and pivotally mounted on said bunk for cooperation with said link to lock said link in cam cooperating position.

2,469,024
FIRE ALARM SWITCH
Jacob W. Albrecht, Queens Village, N. Y., assignor to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware
Application March 6, 1947, Serial No. 732,704
2 Claims. (Cl. 200—142)



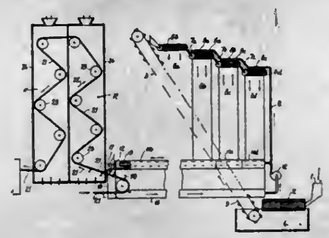
1. A switch comprising a support, a first leaf spring having a fixed end and a free end, said fixed end being mounted on the support and said free end carrying a first knife-like contact, a second leaf spring having a fixed end and a free end, said fixed end being mounted on the support and said free end carrying a second knife-like contact at an angle to said first contact, said second spring being biased for engagement of said second contact with said first contact, and a thermo-responsive element holding said second leaf spring retracted from said first leaf spring for release upon exposure of said element to a predetermined high temperature.

2,469,025
FILTER CARTRIDGE PACKAGE
Thomas Edward Aldham, East Providence, R. I., assignor to Fram Corporation, a corporation of Rhode Island
Application December 14, 1945, Serial No. 635,059
5 Claims. (Cl. 206—47)



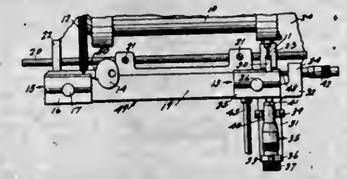
1. A filter cartridge package comprising an open ended tubular sleeve and a compressible cartridge of the sock type within said sleeve and frictionally engaging the inner surface thereof, an abutment at one end of the sleeve on the outer surface thereof to engage the filter case, comprising a thickened band of material with its end surface spaced inwardly from said end of the sleeve, a washer for the upper edge of a filter case positioned on said abutment encircling said sleeve, said washer being of a thickness less than the distance between said end surface and said end of the sleeve.

2,469,026
ARRANGEMENT FOR THE SALTING AND HOOKING OF FISH (HERRING)
Sverre A. Barstad, Stavanger, Norway
Application November 7, 1946, Serial No. 708,382
In Norway November 21, 1945
8 Claims. (Cl. 99—261)



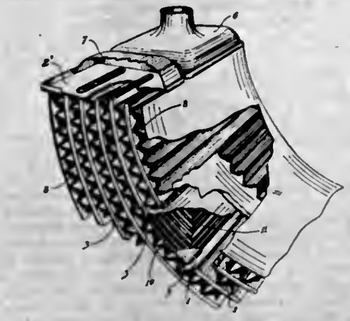
1. In an apparatus for salting and hooking herrings to be smoked, the combination with a brine vessel of means for circulating the brine rapidly in a direction to an overflow for the brine, parallel tubes arranged immersed in the vessel, apertures in the tubes directed obliquely towards the overflow, means for circulating the brine through said tubes and through their apertures out into the vessel, whereby herrings dropped in uncontrolled positions into the vessel remote from the overflow are automatically caused to move towards same, head foremost, forms arranged outside the overflow to receive the herrings passing over same, moving hooks adapted to catch the herrings moved into the forms, conveyors carrying the hooks and moving them to pull the herrings out from the forms, and a smoking section, through which the conveyors with hooks and herrings hanging on same are moved for becoming smoked.

2,469,027
KEY CUTTING MACHINE
Harry Beisser, Oakland, Calif.
Application January 13, 1948, Serial No. 1,972
8 Claims. (Cl. 90—13.05)



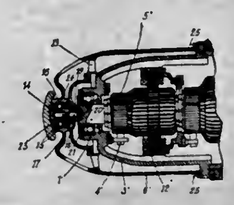
1. In a key cutting machine having a cutter and a stylus and a carrier having key blank clamping and locating means; a gauge for cooperation with said stylus and adjustably mounted on said carrier and including micrometers for adjusting said gauge respectively longitudinally of the carrier relative to the blank for establishing the location of the notch in the blank, and transversely of the carrier for establishing the depth of the notch; a combined master key clamp and slide mounted for longitudinal movement on said carrier and having said gauge slidable transversely therethrough; said micrometers being carried by said slide with one micrometer operating between the carrier and the slide, and the other operating between the slide and the gauge.

2,469,028
PLATE TYPE HEAT EXCHANGER
James Frank Belaieff, London, England, assignor of two-thirds to Cyril Terence Delaney and Gallay, Limited, London, England, a company of Great Britain
Application December 21, 1944, Serial No. 569,154
In Great Britain January 17, 1944
2 Claims. (Cl. 257—139)



1. Heat exchange apparatus comprising an assembly having inlet and exit header means for relatively viscous fluid at one end thereof and inlet and exit header means for less viscous fluid at the other end thereof, the distance of the assembly from end to end between opposite header means being less at one side of the same than at the other, a first set of tubes shorter than said lesser distance for the relatively viscous fluid extending lengthwise of the assembly parallel to each other some of the distance between said inlet and exit header means and connected at one end to said first named inlet and exit header means, said tubes being closed at their ends remote from said first named inlet and exit header means and being divided internally into flow and return passages, and being all of the same length, and a second set of similarly formed tubes all of different lengths for the less viscous fluid, extending lengthwise of the assembly parallel to each other, from said less viscous inlet and exit header means approximately to the closed ends of said first named tubes and a third set of similarly formed tubes also for the less viscous fluid extending lengthwise of the assembly from said less viscous inlet and exit header means between the tubes of said second set and for the latter part of their extent between the tubes of said first set approximately to said opposite header means.

2,469,029
PROTECTING DEVICE FOR THE COMMUTATOR AND BRUSHES OF DYNAMO MACHINES
Charles William Berthiez, Paris, France
Application June 28, 1946, Serial No. 679,944
In France October 4, 1945
8 Claims. (Cl. 171—252)

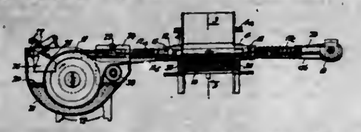


1. In a dynamo electric machine having a frame and a rotor, the combination with a bearing bracket supported by said frame of said machine, and a bearing for said rotor supported by said bearing bracket outwardly with respect to said frame along the axis of rotation toward an end of said rotor, said bracket being constructed to provide easy access to said rotor at either side thereof transversely of the axial direction, of a hood formed to be removably supported in position to cooperate with said frame to enclose a space about said bracket and said bearing and said end of said rotor, and means providing a disconnectible connection between the portion of said hood which extends about said end of said rotor adjacent said axis thereof and a part of said dynamo electric machine adjacent said axis for transmitting stress between said hood and said part, said connection being effected at a single point to provide for removal of said hood and the parts supported thereby as a whole.

2,469,030
PASTE-APPLYING MECHANISM
William A. Brown, Bronx, N. Y., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application January 5, 1945, Serial No. 571,512
10 Claims. (Cl. 91—54)

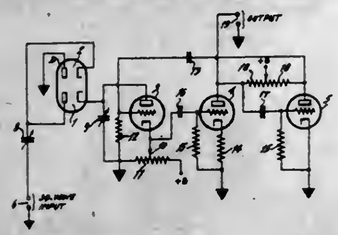
1. In a lap end pasting mechanism for labeling machines, means for supporting a stack of labels, an endless belt adapted to carry adhesive and arranged to travel crosswise of said stack, means for driving said belt, means for supplying adhesive thereto, and guides for di-

recting oppositely moving portions of said belt into contact with each other and with the foremost label of the stack intermediate its edges



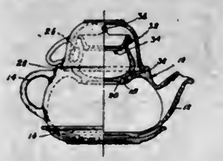
and causing the contact of each of said belt portions with the label to continue to the opposite edges of the label.

2,469,031
ELECTRONIC COUNTER CIRCUIT
Arthur E. Canfora, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 6, 1945, Serial No. 614,789
1 Claim. (Cl. 250—27)



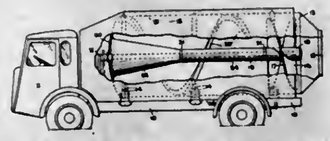
A counter circuit comprising a storage condenser, a charging condenser, a unilaterally conducting device connected between one plate of each of said condensers for admitting current from said charging condenser to said storage condenser, a second unilaterally conducting device connected between the junction of the charging condenser and the first-mentioned conducting device and the other plate of said charging condenser for discharging said charging condenser, means for impressing a pulsating current between the other plate of the storage condenser and the other plate of the charging condenser, first, second and third vacuum tubes, each having a cathode, an anode and a grid, a direct connection from said one plate of said storage condenser to the anode of the first tube whereby the anode of said first tube receives its polarizing potential solely from said charging condenser, individual resistors between the grids and cathodes of said respective tubes, adjustable biasing means connected to the cathode of said first tube for normally biasing said first tube to cut-off, a connection from the cathode of said first tube to the grid of said second tube, a connection from the anode of said second tube to the grid of said third tube, a feedback connection from the anode of said third tube to the grid of said first tube, said second and third tubes comprising normally conductive amplifiers, whereby a positive charge on said storage condenser of a value sufficient to overcome the cut-off bias on said first tube causes a positive pulse to be applied to the grid of said second tube, as a result of which a negative pulse is applied to the grid of the third tube and an inverted pulse of positive polarity is fed back to the grid of said first tube, to thereby hasten the flow of current through said first tube and discharge said storage condenser.

2,469,032
INDIVIDUAL TEA AND COFFEE SERVICE
Percy O. Chaudron, Cedartown, Ga.
Application August 21, 1946, Serial No. 692,651
5 Claims. (Cl. 222—115)



4. A tea and coffee service, comprising a pot having a top wall with fill-opening therein, an open top creamer having a base part for seating within said fill-opening as a removable closure therefor, a sugar bowl having a body portion of size and shape for seating within the open top of the creamer as a removable closure therefor and, selectively, for seating within said fill-opening of the pot as a removable closure therefor, an inverted cup adapted to rest on said top wall of the pot in covering relation to said fill-opening in said top wall, and adapted in said relation to enclose said creamer and sugar bowl when the creamer is seated in the fill-opening of the pot and the sugar bowl is seated in the top opening of the creamer, and means on the pot projecting above said top wall and adapted to engage the inverted cup exteriorly at a plurality of locations around the cup, thereby to restrain the cup against lateral movement relative to the pot.

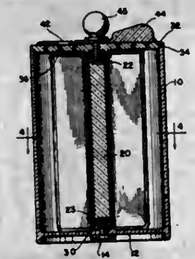
2,469,033
REFUSE COLLECTOR
Alexander Thomas Cameron Dear, Hill Top, West Bromwich, England, assignor to Lewin Road Sweepers Limited, West Bromwich, England, a British company
Application May 31, 1946, Serial No. 673,698
In Great Britain May 7, 1946
7 Claims. (Cl. 214—83.32)



1. In a refuse collector of the kind specified, the provision of a housing enclosing the feeding means shaft, said housing having an external diameter substantially larger than the diameter of the shaft, said housing including a sleeve of corresponding diameter extending for at least a substantial proportion of the length of the shaft, said sleeve extending continuously and completely around said shaft throughout the entire length of said sleeve, and means supporting said sleeve for free rotation about the axis of the shaft and relative to the receptacle.

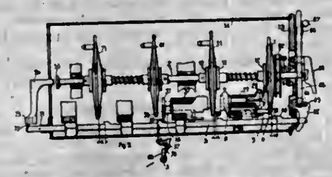
2,469,034
COMBINED CONDIMENT CONTAINER
Marian A. Garris, Seattle, Wash.
Application November 25, 1947, Serial No. 788,003
2 Claims. (Cl. 65—45)

1. A combined condiment container, consisting of: a body of substantially cylindrical form; a bottom for said body formed as part thereof, and raised above the lower end of said body; a partition member having a central core and a plurality of partition walls extending radially therefrom and adapted to form a plurality of chambers; enlarged fillets connecting said walls and said core; ridges formed on the interior of said body, in which are parallel walled grooves adapted to closely engage the outer edges of said partition walls; ridges formed on the upper surface of said bottom having parallel walled grooves adapted to closely engage the bottom edges of said partition walls; a cover plate adapted to seat within said body and to overlap the upper edge thereof; a plurality of groups of discharge holes formed in said cover plate; ridges on the under side of said cover plate, having parallel walled grooves



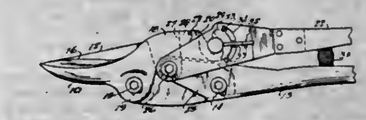
adapted to closely engage the upper edges of said partition walls and to thus angularly position said groups of holes centrally over said chambers; a selector plate disposed upon said cover plate and adapted to revolve concentrically therewith; a discharge opening formed in said selector plate and adapted to selectively engage a desired group of discharge holes and to close off the remaining groups of discharge holes; means for securing said partition member in said body; means for securing said cover plate to said partition member and in close engagement with said body and means for securing said selector plate revolvably, in close engagement with said cover plate.

2,469,035
ELECTROMECHANICAL DEVICE FOR GOVERNING PREDETERMINED CHANGES OF POSITION
Robert Gourdon, Paris, France, assignor to Centre d'Etudes M. B. A. (Mecanique, Balistique, Armement), Paris, France
Application January 15, 1947, Serial No. 722,196
In France January 16, 1946
10 Claims. (Cl. 74—110)



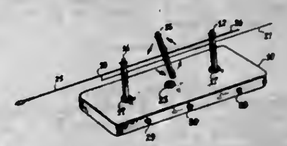
1. An electro-mechanical control device for producing predetermined changes of position, comprising a rotary longitudinally shiftable control-shaft, a longitudinally controlled rod, at least one electromagnet, an armature controlled thereby and including a longitudinally extending member adapted to be shifted by the energized electromagnet in a direction parallel to the shaft, a plate coaxial with the shaft and adapted to be driven thereby, at least one radial projection at the periphery of said plate, a projection on each rod adapted to be engaged by a projection on the plate and to be shifted longitudinally thereby when the shaft is shifted axially with the plate, a lateral projection on one side of the plate corresponding to each radial projection and adapted to engage the blade of the corresponding electromagnet in its energized state, and means to impart rotary and longitudinal movement to said control-shaft.

2,469,036
SHEET METAL SHEARS
John M. Hart, Fort Worth, Tex.
Application December 13, 1945, Serial No. 634,817
4 Claims. (Cl. 30—226)



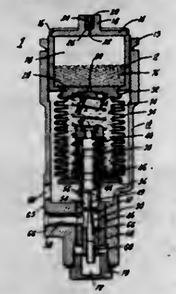
1. In sheet metal shears, in combination, a stationary cutting member, a pair of cutting jaws pivotally mounted on opposite sides of said stationary cutting member and each having a sharpened edge for shearing coaction with said stationary cutting member, a handle rigid with said cutting member and a handle having a pivotal connection with said first named handle, and means in the last named handle providing for the selective connection of said handle to said jaws for operation of either of said jaws relative to said stationary cutting member for making a single cut or for simultaneous operation of both said jaws relative to said stationary cutting member for making spaced, parallel cuts simultaneously.

2,469,037
FISHERMAN'S BARREL KNOT TIER
James W. Harvey, Lakeville, Conn.
Application February 21, 1947, Serial No. 730,153
12 Claims. (Cl. 289—17)



1. A knot tyer comprising a base plate, two spaced-apart supports projecting therefrom, each having a central post and two parallel resilient jaw members for holding strands to be twisted and a holding member between said supports having a central post and two spaced gripping jaws for holding the tips of the twisted strands while the remainder of said twisted strands are released from said supports and pulled so as to disengage the twisted strands from said holding member and permit the tips of the strands to be drawn through the twisted parts of the strands preparatory to pulling the knot tight.

2,469,038
PRESSURE RESPONSIVE VALVE MECHANISM
Albert H. Winkler, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 17, 1943, Serial No. 514,651
6 Claims. (Cl. 236—92)



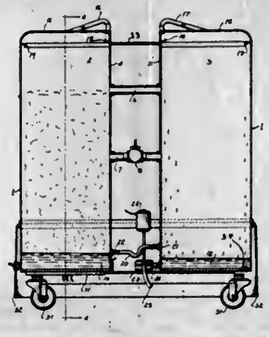
1. In a pressure responsive device: a hollow resilient member adapted to be expanded and compressed in response to variations in pressure on opposite sides thereof; a reservoir joined to one end of said hollow member; a calibrated passage connecting the reservoir and the interior of the hollow member; and auxiliary fluid containing means disposed around said hollow member and communicating freely with said reservoir; liquid filling the hollow member and partially filling the reservoir; a gas above the level of the liquid in the reservoir, the quantity of liquid in said reservoir being such as to cover said passage in all positions of said device, whereby the gas will be trapped in the auxiliary portion of the reservoir upon inversion of the device.

2,469,039
PUNCTURE SEALING COMPOSITION
Charles O. Hopping, Long Beach, Calif.
No Drawing. Application March 7, 1947, Serial No. 733,199
1 Claim. (Cl. 106—33)

The herein described composition for the purpose described, comprising one quart of water in which kelp has been soaked, six tablespoons of ground flax seed, one-quarter ounce steel wool, six tablespoons ground slippery elm, ten tablespoons of water floated silica.

2,469,040
DEGREASING DEVICE
Mose Jaffa, Brooklyn, N. Y., assignor to Optimus Equipment Company, Matawan, N. J., a corporation of New Jersey
Application August 21, 1946, Serial No. 692,107
1 Claim. (Cl. 202—170)

A degreasing device for use with a vaporizable liquid whose vapor is a solvent for grease, said device comprising a tank, a pair of spaced partitions in said tank dividing it into two spaced compartments and an intermediate compartment, said spaced compartments being closed at the sides and bottom and open at the top, a zinc lining in each of the two spaced compartments to protect them against the corrosive action of the grease solvent, an electric heating element under the first of said two spaced compartments for heating the solvent and thereby causing it to vaporize, a removable cover at the top of said first compartment, forming a closure therefor and preventing the vapor from escaping, a conduit providing communication between the two spaced compartments adjacent their top ends, said conduit being sufficiently large to conduct vapor from the first of said spaced compartments to the second, a second conduit disposed below the first conduit and also providing communication between the two spaced compartments to further facilitate the flow of vapor from the first of said spaced compartments to the second, both of said conduits being disposed across the intermediate compartment, the lower of said conduits having a valve mounted therein which is disposed in said intermediate compartment and which is adapted to control the flow of vapor through said lower conduit, a third conduit mounted in said

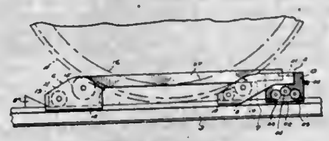


intermediate compartment, below the first two conduits, and also providing communication between the two spaced compartments, said lowermost conduit serving as a return duct for the vapor which passes through the first two conduits into the second of said spaced compartments and therein condenses, a cover being also provided for the second of said spaced compartments to prevent escape of the vapor therefrom, said intermediate compartment being also provided with a motor-driven pump which communicates at its inlet end with the bottom of the second of said spaced compartments, its outlet being connected to a flexible spraying hose, whereby the condensed solvent in the second of said spaced compartments may be sprayed upon objects which require degreasing.

2,469,041
METHODS FOR PREPARING ALUMINUM SOAPS AND CERTAIN CLASSES OF USEFUL COMPOSITIONS CONTAINING ALUMINUM SOAPS
Norman Lindsay Jones, Brighton, Victoria, Australia, assignor, by mesne assignments, to Standard-Vacuum Oil Company, a corporation of Delaware
No Drawing. Application January 10, 1947, Serial No. 721,452. In Australia September 2, 1946
5 Claims. (Cl. 252—35)

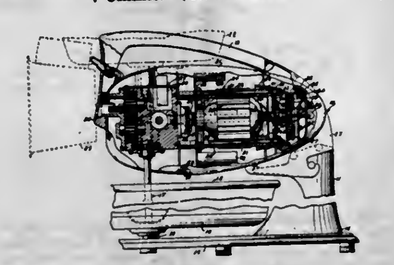
1. A method of preparing an aluminum soap grease which comprises preparing a solution of aluminum alkoxide in a hydrocarbon lubricating oil solvent, adding a higher fatty acid to said solution to convert said aluminum alkoxide to an aluminum soap and release alcohol, cooling to a normal temperature to produce a fluid lubricant, and thereafter adding a small amount of moisture to convert said fluid lubricant to a grease.

2,469,042
DOLLY FOR RAILWAY CARS, VEHICLES, AND OTHER OBJECTS
Eugene B. Kelley, Little Rock, and Harold B. Davis, North Little Rock, Ark.
Application October 4, 1945, Serial No. 620,328
1 Claim. (Cl. 105—141)



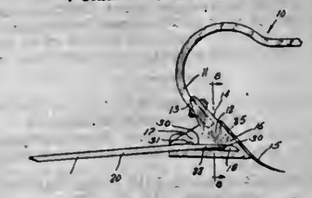
A dolly for lifting a car wheel off a rail and subsequently moving said wheel to move the car along said rail comprising a pair of roller supported carriages adapted to be mounted on the rail beneath the wheel at opposite sides of said wheel to move along said rail and carry said wheel, means on said carriages for supporting said wheel in lifted position and adapted to be engaged with said wheel to lift and support the same by movement of one carriage toward the other with the other carriage chocked against movement away from the moved carriage, means on said one carriage operative through engagement with the rail to move said one carriage toward the chocked carriage, and means for preventing retrograde movement of the moved carriage away from the chocked carriage including a ratchet toothed member fixed on the moved carriage and a ratchet toothed lever arm on the chocked carriage forced by the load of the lifted wheel on the chocked carriage to ratchet over said member.

2,469,043
CENTRIFUGAL GOVERNOR FOR MOTORS
Verne C. Kennedy, Evanston, Ill., assignor to Dormeyer Corporation, Chicago, Ill., a corporation of Illinois
Original application October 9, 1942, Serial No. 461,436. Divided and this application March 23, 1945, Serial No. 584,294
7 Claims. (Cl. 318—325)



4. A power unit for a food mixer comprising a a prime mover, a shell for said prime mover, an apertured partition in said shell, means for forcing air through the partition for cooling the prime mover, a speed governor connected in series with the prime mover including a rotating envelope having a body of liquid therein subject to centrifugation, said governor being located on the intake side of said apertures where the temperature of the cooling air is substantially constant.

2,469,044
ADJUSTABLE PLOW SWEEP
Henry G. Lane, Bainbridge, Ga.
Application May 7, 1946, Serial No. 667,880
7 Claims. (Cl. 97—205)

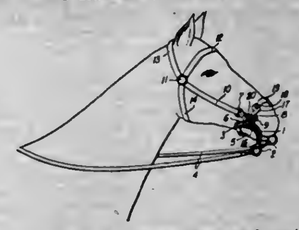


1. In combination with a plow, a pair of adjustable sweeps, a rivet pivotally connecting said sweeps at their inner terminals, said sweeps being thickened rearwardly of the pivot and beveled on the inner edges at said thickened portions, said pivot having an enlarged upper head, a plow shoe having a horizontal slot to receive the sweeps and a groove over the slot to receive said head to retain the sweeps to the shoe and means whereby the head may be entered into the groove, said inner terminals of said sweeps having a binding action in said slot.

2,469,045
BUBBLE COMPOSITION
Joseph R. La Vietes, Brooklyn, N. Y.
No Drawing. Application May 25, 1946, Serial No. 672,331
6 Claims. (Cl. 252—307)

1. A composition for producing bubbles consisting essentially of a solution in water of a water-soluble gum capable of forming films, the amount of said gum being from 1.0 to 10.0%, and an alkyl aryl sulphonate soluble in water in an amount from 0.75 to 7.0%, the remainder of the composition being water.

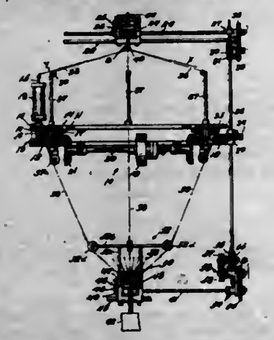
2,469,046
BITLESS BRIDLE
Robert E. Laws, Kanab, Utah; Orpha M. Laws, administratrix of said Robert E. Laws, deceased, assignor to said Orpha M. Laws, Kanab, Utah
Application October 15, 1946, Serial No. 703,316
5 Claims. (Cl. 54—6)



1. A bitless harness for guiding and controlling horses comprising oppositely disposed inverted Y-shape side plates having eyes formed on the upper ends thereof, an arcuate rein supporting arm having an eye formed in each end thereof pivotally supported upon the rear arm of each of said inverted Y-shape side plates, guide means on the forward arm of each of said inverted Y-shape side plates, a nose bar supporting arm

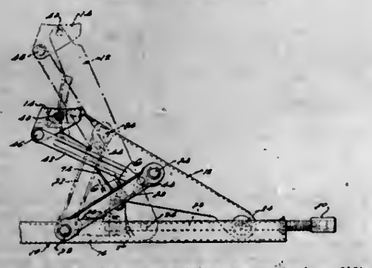
pivotally supported on each of said arcuate rein supporting arms extending through said guide means, a nose bar connected between the outer ends of said nose bar supporting arms, a chin strap connected between the upper ends of said arcuate rein supporting arms, head straps attached to the eyes on the upper ends of said side plates, and reins attached to the eyes in the lower ends of said arcuate rein supporting arms.

2,469,047
BRAIDING MACHINE
Hector Loader, New Bedford, Mass., assignor to Emsio Braid Corporation, a corporation of Massachusetts
Application October 1, 1947, Serial No. 777,226
8 Claims. (Cl. 87—29)



5. In a braiding machine, a guide plate for the braider carriers, horn gears beneath said plate for driving the carriers, work take-up rolls above said plate, rubber warp feed rolls beneath said plate, means to drive both take-up rolls and feed rolls from said horn gears whereby the take-up and feed rolls are driven in definite timed relation.

2,469,048
LIFTING MECHANISM
Raymond F. Manke, Racine, Wis., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis., a corporation of Wisconsin
Application June 24, 1946, Serial No. 678,917
21 Claims. (Cl. 254—126)



1. A lifting jack comprising a support, a lifting lever mounted upon said support for bodily movement relative to said support and having an end portion adapted to engage a load to be lifted, a reactive force member operatively connected to said lever intermediate the ends of said lever, means for applying power to the other end of said lever to rock the same about said force member, cam means bodily movable substantially longitudinally relative to said support for applying a powerful wedging action to said lever transversely between said ends to rock the lever about said other end, and stop means limiting movement of said cam means whereby said last named means is effective solely during initial movement of said lever.

2,469,049
PENCIL WITH BODY OF CONVOLUTELY WOUND PAPER
Kay Miller, New Brunswick, N. J., assignor to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey
Application March 11, 1947, Serial No. 733,735
2 Claims. (Cl. 120—83)



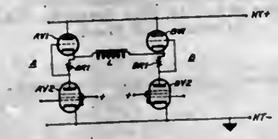
1. A pencil comprising a core of marking material and a sheath enclosing the core consisting of flexible paper pulp material wound around the core and having the fibers of the sheet material disposed substantially parallel to the longitudinal axis of the sheath, the convolutions being secured together by a suitable adhesive, the paper pulp material of said sheath being impregnated with a lubricant.

2,469,050
ARTICULATE HANDLE FOR PAINT BRUSHES AND THE LIKE
Nicholas Mygas, West Orange, N. J.
Application May 11, 1945, Serial No. 593,299
1 Claim. (Cl. 15—146)



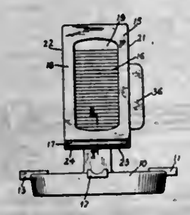
In a reversible articulated extension handle, the combination of a pair of articulated joint members comprising coaxial and codiametral, mutually rotatable cylindrical sleeves, said sleeves having mating, identical semi-cylindrical extensions, semi-cylindrical reenforcing blocks fixed within said semi-cylindrical extensions and forming bearing surfaces, said blocks and extensions being formed with registering apertures, a threaded boss integral with one said extension in register with said apertures, a wing bolt passing through said apertures serving as an axis for the sleeves and threaded in the boss to retain the sleeves in adjusted angular relation, a pair of semi-cylindrical clamping members having serrated clamping jaws, means to demountably secure said clamping members on and over one said sleeve, and the other said sleeve serving as a socket for a handle.

2,469,051
CATHODE-RAY TUBE DEFLECTING SYSTEM
Donald Leopold Plaistowe and Roger Prowse Shipway, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application May 11, 1948, Serial No. 26,268
In Great Britain January 30, 1947
Section 1, Public Law 690, August 8, 1946
6 Claims. (Cl. 315—27)



1. A circuit arrangement for a single coil type of electro-magnetic deflection system for a cathode ray tube said arrangement including two circuit arms in parallel with one another across a source of operating potential, each arm consisting of two controllable electron vacuum tube spaces in series, one space being arranged to have its conductivity controlled in dependence upon the current flow through the other so that when said other space is at or near cut-off said one space is fully conductive and vice versa; an electro-magnetic deflecting coil connected between corresponding intermediate points on said circuit arms, each point being between the two controllable vacuum tube spaces in the appropriate arm; and means for applying deflection controlling potentials to control the states of conductivity of the two said other vacuum tube spaces so that for deflection in one sense, the first of said other spaces is conductive and the second is at or near cut-off while for deflection in the other sense the conductivity states are reversed.

2,469,052
DEVICE FOR DISPENSING MATCHES
Samuel E. Rahe, Springfield Gardens, N. Y.
Application June 25, 1946, Serial No. 679,106
5 Claims. (Cl. 312—39)



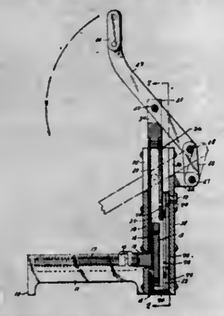
1. A device for dispensing matches, comprising a receptacle for a comb of matches, said receptacle having an opening adjacent one end for exposing a match at one end of said comb, a member adjacent to said opening and adapted to move through said opening, means for moving said member and said receptacle relatively to move said member through said opening and sever said exposed match from said comb, and means movable relative to said receptacle and said member for engaging and clamping said comb in said receptacle while said match is being severed from said comb.

2,469,053
AUTOMATIC SEAR FOR AUTOMATIC AND SEMIAUTOMATIC FIREARMS
William C. Roemer, New Haven, Conn., assignor to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware
Application March 30, 1945, Serial No. 585,666
1 Claim. (Cl. 89—149)



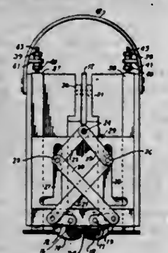
An automatic and semiautomatic firearm-structure including in combination: a receiver; a breech-bolt movable in the said receiver; a bolt-operating slide mounted for reciprocation adjacent the said receiver and operatively connected to the said breech-bolt for moving the same, the said bolt-operating slide being provided with a forwardly-facing tripping-abutment; a pivotal hammer provided with a primary-cocking abutment and a secondary-cocking abutment; a primary-sear located mainly to the rear of the said pivotal hammer and engageable with the primary-cocking abutment thereof to releasably hold the hammer in a cocked position; a trigger operatively connected to the said primary-sear for actuating the same; a substantially-vertical pivotal secondary-sear located mainly forwardly of the said pivotal hammer and pivoted to the firearm-structure adjacent its lower end, the said pivotal secondary-sear being formed above its pivot-point with a secondary-cocking abutment engageable with the secondary-cocking abutment of the said hammer to releasably restrain the latter; a reciprocating sear-actuating member movable substantially lengthwise of the said receiver and independently formed from the said secondary-sear, the said reciprocating sear-actuating member being operatively connected at its rear-portion to the said pivotal secondary-sear for positively swinging the same both forwardly and rearwardly, and the said reciprocating sear-actuating member also being provided adjacent its forward end with a rearwardly-facing tripping-abutment positioned to be engaged by the forwardly-facing tripping-abutment of the said bolt-operating slide to forwardly shift the sear-actuating member and cause the same to swing the said independently-formed pivotal secondary-sear to disengage the secondary-cocking abutment of the latter from the secondary-cocking abutment of the said hammer, the said sear-actuating member being formed intermediate its ends with a forwardly-opening spring-receiving pocket and located outwardly of the secondary-sear; and a helical spring mounted in the spring-receiving pocket of the sear-actuating member and yieldingly thrusting both the sear-actuating member and the secondary-sear rearwardly.

2,469,054
STAPLING MACHINE
Werner Schafroth, Brookline, Pa., assignor to International Staple and Machine Company, Clifton Heights, Pa., a corporation of Pennsylvania
Application November 19, 1945, Serial No. 629,354
10 Claims. (Cl. 1—49)



1. A stapling machine comprising a casing, anvils rotatably mounted in the lower part of the casing and positioned to extend beyond the casing when rotated, arms fixedly attached to the anvils extending upward into the casing, means connected to said arms for operative movement thereof to rotate the anvils to operative positions, and means driving staples from the casing against said anvils, said anvil rotating means and said staple driving means being operated in the sequence that the anvils pierce the material against which the machine is placed, and the staple driving means thereafter clinches the staples forced through the material and against the anvils.

2,469,055
STAPLING MACHINE
Werner Schafroth, Brookline, Pa., assignor to International Staple and Machine Company, Clifton Heights, Pa., a corporation of Pennsylvania
Application December 8, 1945, Serial No. 633,677
7 Claims. (Cl. 1—49)



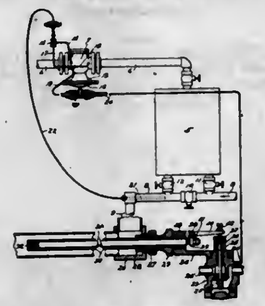
7. A stapling machine comprising a casing, anvils rotatably mounted in the lower part of the casing and positioned to extend beyond the base of said casing when rotated, arms fixedly attached to the anvils extending upward into the casing, means connected to said arms for operative movement thereof to rotate the anvils to operative positions, means driving staples from the casing against said anvils, and a pair of legs adapted to be adjustably extended from the base of said casing by means of manually adjustable nuts for adjusting the distance of the base of the casing from materials being stapled, said anvil rotating means and said staple driving means being operated in the sequence that the anvils pierce the material against which the machine is placed, and the staple driving means thereafter clinches the staples forced through the material and against the anvils.

2,469,056
ELECTROMAGNETIC VALVE-KEEPER REMOVER AND RETRIEVER
George Scripture, Oakland, Calif.
Application March 18, 1946, Serial No. 655,333
3 Claims. (Cl. 81—3)



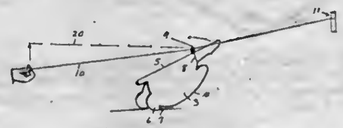
1. A retrieving tool comprising a magnetizable core bent diagonally outwardly at one end and terminating in a wedge-shaped end at right angles to the axis of the straight portion of said core and forming a point at the outward end of the wedge for insertion between the halves of a valve keeper for spreading the halves for removal from a valve stem, and an inductance for energizing said core to remove said halves, and a pair of conductors including a switch for said inductance.

2,469,057
SAFETY DEVICE FOR TEMPERATURE REGULATORS
Paulsen Spence, Hot Springs, Ark., assignor to Spence Engineering Company, Inc., Walden, N. Y., a corporation of New York
Application June 26, 1943, Serial No. 492,386
4 Claims. (Cl. 236—21)



1. In a device of the character indicated, a valve, fluid pressure actuated means for actuating said valve, a thermostatic pilot valve for normally controlling pressure on one side of said fluid pressure actuated means for controlling said main valve, and a second thermostatically actuated valve independent of said pilot valve for quickly venting pressure fluid from said one side of said fluid pressure actuated means, said second thermostatically actuated valve including a valve member directly and positively thermostatically actuable in an opening direction for the purpose described.

2,469,058
GAME DEVICE
Ramon E. Sullivan, San Francisco, Calif.
Application November 25, 1946, Serial No. 712,185
7 Claims. (Cl. 46—149)



1. A game device comprising a pair of pieces of sheet material of substantially corresponding outline, said pieces being joined along one of their corresponding edges and extending divergently downwardly from such juncture whereby said pieces form the sides of an inverted V, the lower free edges of said pieces being convexly curved longitudinally thereof to provide rockers for supporting said device on the floor, an eye member secured to said device at a point along the juncture between said pieces and at one side of a vertical plane bisecting said pieces at right angles thereto, a flexible line adapted to extend generally horizontally through said eye member for securement at one end thereof to a stationary object and for grasping at its opposite ends by the hand for manipulating the line to cause rocking of said device on the floor and its progressive advancement along said line from one end to the other.

2,469,059
OXIDIZED OLEFIN LIQUIDS
Amos Turk, Mount Lebanon, Pa., assignor of fifty per cent to Paul D. Boone, Washington, D. C.
No Drawing. Application September 18, 1944, Serial No. 554,727
11 Claims. (Cl. 260—406)

1. In the process of producing liquid oxidized compounds containing at least one olefine group, the steps of heating an oily liquid from the group consisting of olefinic unsaturated higher fatty acids and their gylceride esters with selenium dioxide in the ratio of not less than one-twentieth of a mol per mol equivalent of unsaturated higher fatty acid radical at not above substantially 111° C. in the presence of an organic solvent for one of the reacting components, whereby a CH_2 group adjacent an olefine carbon atom is oxidized to an alcohol group, and thereafter removing metallic selenium from the oily liquid.

2,469,060
FLEXIBLE MOP HEAD
Peter S. Vosbikian and Thomas S. Vosbikian, Melrose, Pa.
Application July 9, 1948, Serial No. 37,884
1 Claim. (Cl. 15—119)

A flexible mop head, comprising an elongated block of absorbent sponge material, a backing strip of flexible rubber secured to and covering substantially the entire area of the top face of said block and extending sufficiently beyond an edge thereof to form a flexible, straight line squeegee, a handle socket, and means to secure said socket to said strip centrally of its ends to provide flexible end portions at opposite sides of the socket, said end portions being flexible in



either direction whereby the sponge material may be compressed between the two flexed end portions of said strip and to permit cleaning the corner of a room.

2,469,061
BALL TARGET
Ward Barto, Denver, Colo.
Application July 10, 1946, Serial No. 682,542
4 Claims. (Cl. 273—102.1)

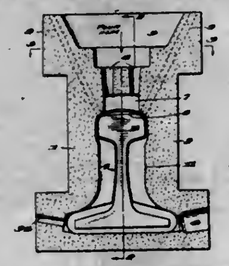


1. A game consisting of a supporting frame, a downwardly inclined back member on said frame, a bell, bracket means for supporting said bell at the top of said supporting frame, a target hingedly attached to the top of said frame a..d disposed immediately in front and within striking distance of said bell, a second target means pivotally attached to said sloping back member for releasably supporting a captive ball on the inclined back member, and a chute for retrieving both thrown and captive balls.

2,469,062
APPARATUS FOR FULL FUSION WELDING OF RAILS
Edward F. Bertrup, Elizabeth, N. J.
Application October 14, 1944, Serial No. 558,703
5 Claims. (Cl. 22—116)

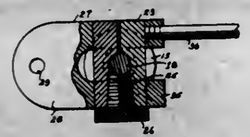
1. A mold for the full fusion welding of metal parts using superheated weld metal which comprises mold parts adapted to surround and enclose the ends of two metal parts to be welded which are aligned end to end with a welding gap therebetween, said mold parts defining an upper pouring basin and a mold cavity having a fusion collar-forming section surrounding said weld-

ing gap, at least one pouring gate having a directional flow channel connecting said pouring basin with said mold cavity positioned and dimensioned in such manner that weld metal passes through said welding gap between the metal parts to be welded without contacting said metal parts, said directional flow channel being positioned between said pouring gate and said fusion collar-forming section of said mold cavity



with a vertical dimension not substantially less than the width of the welding gap and being in the form of a slot beneath the lower end of said pouring gate running in the direction of the welding gap and being provided with substantially vertical walls on either side of said welding gap spaced apart a distance not greater than the width of said welding gap, whereby spattering of weld metal on the metal parts is prevented.

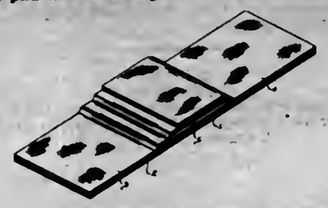
2,469,063
PAN-TILT TRIPOD HEAD
William H. Bliss, Natchitoches, La.
Application September 8, 1947, Serial No. 772,663
2 Claims. (Cl. 248—183)



1. In a tripod head having a base and a vertically-extending pivot removably secured to said base the improvement comprising, a split horizontal pivot shaft fitted about the vertical pivot and having grooves to receive the same, a camera support connected to the horizontal split pivot and adapted to have a camera secured to the same, and a handle rod entering the camera support to simultaneously fix the camera support to the split horizontal pivot and the split horizontal pivot parts to the vertical pivot, and said split horizontal pivot having means for expanding the same to fix the camera support to the horizontal pivot independently of the handle rod whereby upon loosening the handle rod, the camera support may be swung about the vertical pivot in a horizontal plane.

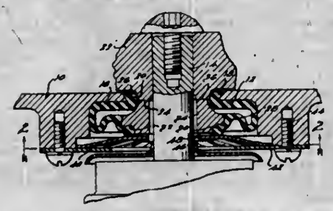
2,469,064
ADHESIVE COMPRESS
Edmund M. Campbell, Pittsburgh, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 7, 1945, Serial No. 576,604
3 Claims. (Cl. 128—156)

1. An adhesive compress comprising an adhesive tape, a dressing pad adhering to the central portion of the adhesive side of the tape, two overlapping strips of protective fabric overlying said pad and adhering to the tape on opposite



sides of the pad, and a separator non-adherent to the pad disposed between the pad and inner protective strip to keep the latter from sticking to the pad.

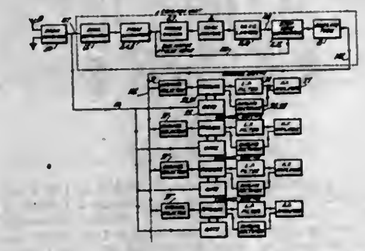
2,469,065
SEAL
George R. Coss, Detroit, Mich., assignor to Eureka Williams Corporation, a corporation of Michigan
Application October 22, 1945, Serial No. 623,721
4 Claims. (Cl. 286—11)



1. Seal construction for a wall having an opening defining a seat with a shaft extending through said opening, a bellows having one end thereof secured in and sealed to said seat, a sealing ring surrounding said shaft and carried by and sealed to the other end of said bellows, a sealing member secured to said shaft and having an annular sealing surface and a cylindrical sealing surface, said sealing ring having an annular sealing surface engaged with said annular sealing surface of said sealing member, and said bellows having a cylindrical sealing surface engaged with said cylindrical sealing surface of said sealing member, and means resiliently urging said annular sealing surfaces in engagement.

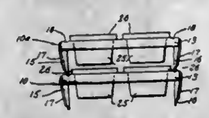
2,469,066
PULSE MULTIPLEX RECEIVER
James R. Day, Peconic, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 1, 1946, Serial No. 673,746
7 Claims. (Cl. 179—15)

1. A pulse multiplex receiving system for receiving from a remote transmitting system a plurality of equal duration spaced channel pulses followed by a synchronizing pulse, comprising a receiver for producing spaced video pulses which occur at time intervals corresponding to the received pulses, a separator circuit for separating the video pulse representative of the synchronizing pulse from the channel pulses, a discharge pulse generator coupled to said separator circuit for producing a pulse for each synchronizing video pulse supplied thereto, a phasing trigger circuit coupled to the output of said discharge pulse generator, said phasing trigger circuit having means for producing a peak voltage which occurs an adjustable interval of time after the pulse supplied thereto by said discharge pulse generator, a sine wave generator coupled to the output of said phasing trigger circuit and responsive to the peak voltage passed thereto, a limiter in the output of said sine wave generator, a step wave generator coupled to the output of said limiter and responsive to the limited waves for producing a step voltage wave having a desired number of steps or risers, a connection from the



output of said discharge pulse generator to said step wave generator for controlling the termination of the step voltage wave produced by said step wave generator, a plurality of channel units coupled to the output of said step wave generator, a connection from said channel units to the output of said receiver to obtain therefrom video channel pulses, said channel units having individual selector circuits which are differently biased to become conductive on different risers of the step voltage wave, and said channel units having apparatus for converting the video channel pulses to variable width pulses.

2,469,067
ICE CUBE TRAY
Cornelius Marvin Follin, La Mesa, Calif.
Application June 2, 1947, Serial No. 751,678
4 Claims. (Cl. 62—108.5)



1. An ice cube tray comprising a flat top provided with a series of openings therein, side flanges extending downwardly from the side edges of the top and forming a pair of spaced supports for said top, a flange projecting downwardly from each opposite end of the top for a short distance and connected at the ends thereof to the adjacent ends of the side flanges, cups received by the openings and means on the cups engageable with the top for retaining said cups suspended in said openings, said top having a pair of longitudinally extended parallel grooves adapted to slidably receive the lower edges of the side flanges of a superimposed tray when a pair of trays are placed in an ice cube freezing compartment of a refrigerator.

2,469,068
AUTOMOBILE BODY CONSTRUCTION
Shelley W. Ford, Dayton, Ohio, assignor of one-half to J. Frederic Gagel, Dayton, Ohio
Application December 16, 1943, Serial No. 514,480
2 Claims. (Cl. 296—37)

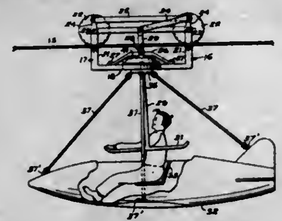


1. An automobile body construction of the character described comprising a main body portion, a compartment for baggage and the like housed within said body portion, a cover for said compartment and connected to said body portion at one edge of said compartment and hinged thereto by concealed hinges located to permit swinging of the cover about a horizontal axis for opening and closing movement, a locking means carried by said cover and located adjacent the edge opposite to said hinge connection and operable to be moved to unlocking position for opening of the cover and to locked position to hold the cover in closed position, said cover having a dished and inwardly stamped portion comprising an integral wall to form a compartment therein for receiving a suit of clothes and the like suspended in an inclined position upon the bottom wall of said compartment, means within said compartment to support said clothes, and a second cover for said clothes receiving compartment movably connected to said first cover by concealed hinges mounted along a side edge of the compartment to permit movement of said second cover to open or close the second compartment without disturbing the first cover, means for fastening said second cover in closed position, means for holding said second cover in elevated position to give access to the second compartment, said second cover when in closed position being substantially flush with and in continuation of the external surface of said main cover, said first and second cover having cooperating means for protecting said compartment against weather conditions when closed, and the construction being such that when both said covers are in closed position they conform to the external surface of the automobile body.

2,469,069
TROLLEY SUSPENDED PLAYGROUND DEVICE
Don C. Grazier, Dixon, Mont.
Application July 23, 1947, Serial No. 763,092
2 Claims. (Cl. 105—148)

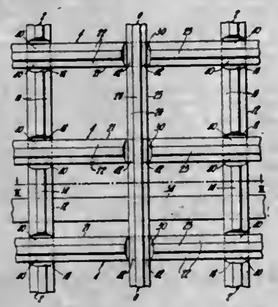
1. A playground device comprising a supporting and propelling mechanism adapted to be supported upon a line and to be propelled thereover, said supporting and propelling mechanism including a substantially rectangular shaped frame, drive wheels journalled on the frame at each upper corner thereof and adapted to engage with the line or cable, a lever depending from the frame and pivoted thereupon and adapted to effect rotation of the wheels, said lever being connected to the wheels through a connecting member and a crank arm, a body member adapted to support an occupant suspended from the supporting mechanism, means for connecting the

body member to the frame for rotation about a vertical axis said connecting means including a sleeve with a radially outwardly extending flange, thrust bearings mounted in the flange in supporting relation between said frame and said flange on said sleeve whereby the transmission of the thrust carried by the weight of the body



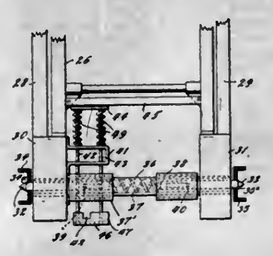
member and its occupant is from the sleeve to the balls to the frame, cover means fixed to the frame and extending over the frame for the protection thereof and said lever extending toward the body to be accessible to the occupant whereby as the lever is operated, the drive wheels will be rotated to cause the supporting and propelling mechanism to be actuated.

2,469,070
OPEN FLOOR GRATING AND METHOD OF MAKING THE SAME
Gerald G. Grenlich, Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application December 14, 1945, Serial No. 635,035
6 Claims. (Cl. 94—30)



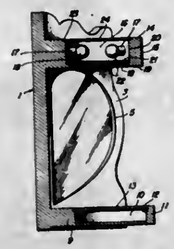
1. An open floor grating comprising a plurality of longitudinally extending members each having a top flange and a downwardly extending web, a plurality of transverse secondary members each having a top flange and a downwardly extending web, the flanges and webs of the primary members having portions cut away at spaced intervals to provide transverse openings therethrough for the transverse members, each of said transverse openings having a bottom formed by and extending the width of the flange, the bottoms of the flanges of the secondary members resting on the said bottoms of the openings and being welded to the flanges of the primary members throughout the area of the bottoms of the openings.

2,469,071
LADDER CONSTRUCTION
James Kydd, Ozone Park, N. Y., assignor to Metropolitan Device Corporation, Brooklyn, N. Y., a corporation of New York
Application February 16, 1944, Serial No. 522,541
2 Claims. (Cl. 228—48)



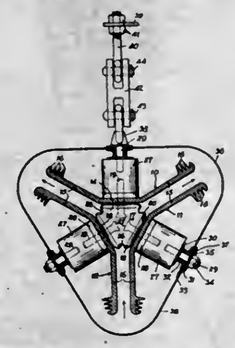
1. In a portable ladder construction of the kind described, the combination comprising a frame, a ladder having side rails and rungs pivotally mounted in the frame, the ladder including an extension section, means carried by the frame and the ladder for securing the ladder in various angular positions, and means actuated upon movement of the extension section to extended position for locking said securing means.

2,469,072
CORNER WALL LAMP
Joseph Lerman, Brooklyn, N. Y.
Application April 30, 1946, Serial No. 665,948
4 Claims. (Cl. 240—2)



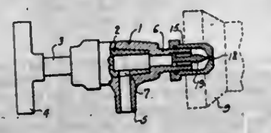
1. A corner wall lamp including an integrally formed frame having outwardly extending apertured side walls arranged at right angles to each other, mirrors in said apertures in the side walls, an apertured light bulb receiving compartment extending forwardly above said mirrors integrally connected with said side walls, light bulbs therein, a transparent disc seated in the lower end of said compartment, a removable disc closure for the upper end of said compartment and a storage compartment extending horizontally at the lower end of the side walls and having a reflecting surface disposed in vertical alignment with the transparent disc in the light bulb receiving compartment.

2,469,073
ELECTRICAL BUS
Bruce E. McArthur, Medina, Ohio, and Donald I. Bohn and Robert N. Wagner, Pittsburgh, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 23, 1948, Serial No. 16,434
10 Claims. (Cl. 174—99)



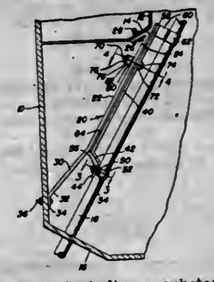
1. A three-phase bus bar structure comprising three parallel conductors of wide angle trough form, each having a substantially flat central portion and integral side portions in angular relation of about 30° with respect to the central portion, said conductors being assembled in Y-relationship, a plurality of centrally disposed insulators located at intervals along the length of said conductors and separating them in predetermined spaced apart relation, radially extending attaching elements carried by said insulators and extending through the central portion of said conductors, respectively, to the outer sides thereof, and clamping members on the outer ends of said attaching elements for clamping said conductors against said central insulators.

2,469,074
HOOD FOR GAS VALVES
Ervin H. Mueller, Grosse Pointe, Mich.
Application August 21, 1946, Serial No. 692,038
2 Claims. (Cl. 158—118)



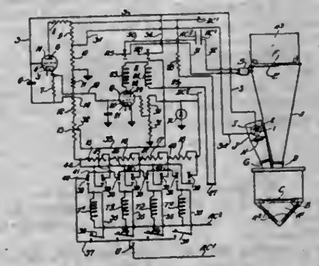
1. In a gas appliance having a hollow part for the flow of gas and which part is provided with external threads, a hood of hollow formation provided with an outlet orifice and having internal threads for engaging said external threads, said hood having an internal circumferential recess therein, said recess being positioned within the hood so that the internal threads have some of its convolutions in advance thereof which constitute a lead thread, and an unthreaded washer of elastic or resilient characteristic situated in said groove and having an internal diameter such as to engage the external threads on the said hollow part whereby to establish frictional engagement of the hood with said hollow part and a sealed joint to prevent escape of gas, said lead threads being partially cut away to increase the internal diameter to facilitate assembly of the washer in its groove.

2,469,075
VIBRATION ELIMINATING SUPPORT FOR STEERING COLUMNS
Louie R. Faun, Granton, Wis.
Application February 12, 1948, Serial No. 7,973
4 Claims. (Cl. 180—90)



1. In a vehicle including a substantially vertical dashboard, a gauge holding panel spaced relative to the dashboard, and a steering column inclined relative to the dashboard; an inclined brace connecting the gauge holding panel to the dashboard, said brace having an elongated central portion spaced parallel to the longitudinal axis of the steering column, a support adjustably carried by the steering column, said support having a central portion spaced parallel to the central portion of said brace, means connecting the support to the brace, and a cushion member interposed between the support and the brace.

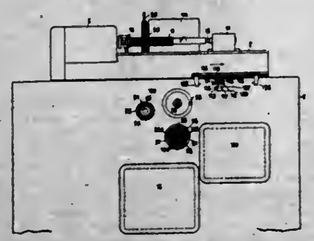
2,469,076
PHOTOGRAPHIC PRINTING EXPOSURE CONTROL METHOD AND APPARATUS
Jacob Rabinowitz, Brooklyn, N. Y., assignor, by mesne assignments, to Pavelle Color Incorporated, New York, N. Y., a corporation of Delaware
Application May 18, 1945, Serial No. 594,403
15 Claims. (Cl. 88—24)



1. In controlling the exposure period of a projection printer reproducing a picture on a transparency by transmitting light through the transparency, the method which consists in charging a condenser by subjecting it to a charging voltage and varying said charging voltage in predetermined accordance with the difference be-

tween the light transmitting capacity of a selected portion of the transparency picture and the light transmitting capacity of another portion of the transparency picture, and in transmitting a light through the transparency to the cathode at a rate in definite proportion to the average light transmitting capacity of the transparency and thereby creating a current flow through said tube of a magnitude dependent on the amount of light transmitted to said cathode and passing said current from the phototube to said condenser to discharge the latter at a rate automatically dependent on the magnitude of the current flow through the phototube.

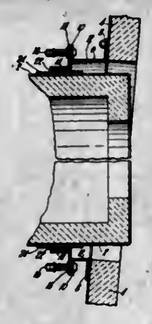
2,469,077
MACHINE TOOL WITH AUTOMATIC FEED DEVICE
Alfred Rickenmann, Kusnacht, near Zurich, Switzerland
Application July 31, 1947, Serial No. 765,062
14 Claims. (Cl. 51—95)



1. In a machine tool, in combination, a frame, means for supporting and rotating a workpiece lengthwise of said frame between centers, said means including a carriage reciprocable lengthwise of said frame; a tool carriage slidably supported in said frame and movable transversely with respect to said workpiece supporting carriage, a tool mounted on said tool carriage, and transverse feed means for said tool carriage adapted to produce a predetermined total amount of feed of the tool carriage in at least two steps, said last named transverse feed means including means for adjusting the transverse feed movement of the tool carriage to a fixed fractional amount of the total feed at the start of each pass of the workpiece past said tool with the exception of the last one, said transverse feed means being also provided with means for automatically adjusting the transverse feed required for the last one of the steps in such a manner that the desired predetermined total amount of the feed of the tool carriage is accurately obtained.

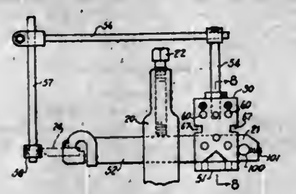
2,469,078
SEAL FOR ROTARY KILNS
Sidney J. Robison, Chicago, Ill., assignor to Universal Atlas Cement Company, a corporation of Indiana
Application May 8, 1945, Serial No. 592,599
2 Claims. (Cl. 263—33)

2. A seal for rotary kilns and the like having a rotatable member and a stationary chamber in communication therewith comprising a wear resistant band mounted around said rotatable member adjacent said chamber, an annular channel having a web of varying width and having one flange normal to the axis of said channel and the other flange normal to the axis of rotation of said rotatable member, said channel being mounted on said stationary member about said band by means of said first mentioned flange, a plurality of arcuate segments slidably



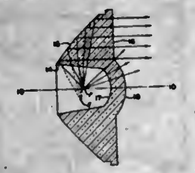
mounted on the other of said flanges, a heat resistant lining on the inside of said segments, said segments being resiliently connected together to form a yieldable sealing ring around said rotatable member and to hold said ring in sealing contact with said band.

2,469,079
MACHINE TOOL SUPPORT
Harry Rosenbloom, Detroit, Mich.
Application February 7, 1946, Serial No. 646,180
2 Claims. (Cl. 248—226)



1. A supporting block device adapted to be mounted upon a tool holder and a boring bar of a machine tool such as a lathe for in turn adjustably and rigidly supporting a guiding instrumentality for governing the relative movement between a work piece and a cutting tool comprising, a body, said body having a passage therethrough for fitting over a tool holder, set screws for clamping the body to the tool holder, said body having at least one aperture therethrough extending at right angles to the passage for the reception of a supporting arm, set screw means on the body for clamping said arm, a removable closure piece for the passage, said block, on opposite sides of the passage, having inverted substantially V-shaped notches, whereby the body may be turned through substantially right angles and mounted upon a boring bar and means formed in the body for receiving a clamp for engaging the boring bar on the opposite side of same from the inverted notches.

2,469,080
UNITARY LENS UNIT
Seymour Rosin and George M. Cressaty, New York, N. Y.; said Rosin assignor to said Cressaty
Application May 9, 1945, Serial No. 592,742
1 Claim. (Cl. 240—106.1)

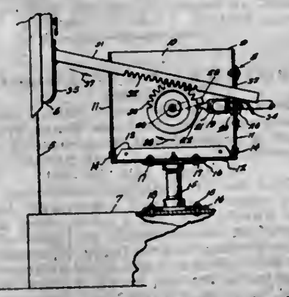


A unitary lens unit comprising in combination, a central transparent window for transmitting paraxial rays without change of direction, a marginal lens block having a well to receive a source of light, a reflecting surface on the outer boundary of said block for reflecting marginal rays from the source of light into a parallel beam, said source of light positioned on the optical axis of said reflecting surface, said reflecting surface comprising a surface of revolution of a parabola about an axis parallel but not coincident with the parabolic axis.

2,469,081
REFRACTORY CONCRETE, MIX THEREFOR, AND METHOD OF MAKING
Arthur F. Ruedi, Hammond, Ind., assignor to Universal Atlas Cement Company, a corporation of Indiana
No Drawing. Application February 28, 1947, Serial No. 731,714
13 Claims. (Cl. 106—58)

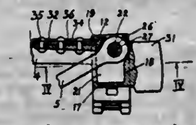
1. A mix for forming refractory concrete comprising calcium aluminate cement from 50 to 92% by weight of the mix, refractory aggregate from 4 to 50% by weight of the mix, said refractory aggregate consisting of at least 66⅔% by weight thereof expanded vermiculite, and $MgCl_2$ from 0.5 to 3.5 by weight of the mix.

2,469,082
DOOR OPERATED SAFETY DEVICE FOR OIL BURNING FURNACES
Frank B. Scanlon, Beachwood, N. J.
Application July 9, 1946, Serial No. 682,409
6 Claims. (Cl. 158—42.1)



1. In combination with an oil burning furnace having a closure, an igniting mechanism, and a fuel line; a safety device comprising a framework, an oscillatory member carried by the framework, a switch carried by the framework, a circuit for the igniting mechanism of the furnace including said switch, a valve carried by the framework for controlling the fuel line for the furnace, a pair of actuating members carried by the oscillatory member, one of said actuating members operatively engaging the switch, the other of said actuating members operatively engaging the valve, and means operatively connecting the oscillatory member to the closure for simultaneously opening the switch and closing the valve upon opening of the closure.

2,469,083
BRAKE BEAM
Frederic Schaefer, Pittsburgh, Pa.
Application November 13, 1945, Serial No. 59,794
7 Claims. (Cl. 188—223.6)



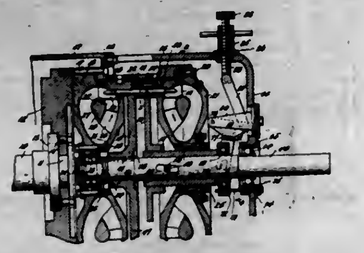
1. A brake beam for use with a railway car truck provided with a pair of beam-supporting ledges, said beam comprising a channel shape compression member having top and bottom flanges joined by a web, a brake shoe supporting member disposed at each end of said compression member, each brake shoe supporting member being provided at one side with a tongue projecting laterally into the adjoining end of the compression member and at the other side with a laterally projecting lug adapted to be slidably supported by the adjoining ledge, and a plurality of fastening members extending through each tongue and adjoining compression member web at longitudinally spaced intervals to hold them tightly together, each end portion of said web having an inside rib extending lengthwise of it, and each of said tongues being provided with a longitudinally extending groove snugly receiving the adjoining rib.

2,469,084
BODY RESTING APPLIANCE
Abraham W. Schenker, New York, N. Y.
Application January 1, 1945, Serial No. 570,980
9 Claims. (Cl. 5—91)



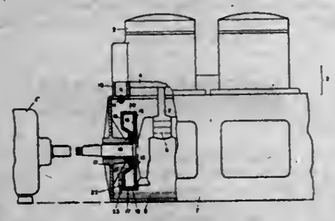
8. A therapeutic body resting structure of the class described designed to support a body in supine position comprising a relatively rigid member of unyielding material having its upper surface formed with longitudinal waves and curves in conformity with the posterior aspect of the body of the user, a layer of relatively resilient material overlying the said upper surface of said rigid member, the upper surface of said resilient layer being normally at uniform level without undulations and means for resiliently supporting said rigid member, the contour of said unyielding member being characterized by the fact that there is provided a portion adapted to support the knees at a higher level than that of the buttocks of the user.

2,469,085
HYDRAULIC POWER TRANSMISSION
Richard H. Sheppard, Hanover, Pa.
Application March 20, 1944, Serial No. 527,316
4 Claims. (Cl. 60—54)



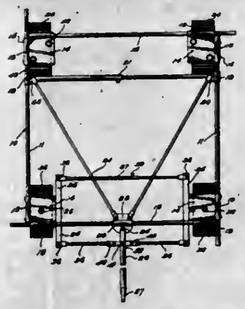
3. In a hydraulic power transmission for connecting a drive shaft with a coaxial driven shaft, an impeller unit rotating with the drive shaft and having therein two spaced and separate torus chambers and having on the near sides only of the two chambers a series of fixed blades for confining a portion of the fluid to cause the fluid to rotate with the drive shaft, a turbine rotor mounted on the driven shaft and carrying a plurality of spindles extending into each of the two torus chambers, vanes mounted one on each end of each spindle and means for simultaneously tilting all of the vanes to move them to or from a radial position, said means including a gear movable about the axes of the shafts and also shiftable axially.

2,469,086
RECIPROCATING COMPRESSOR HAVING MEANS FOR SEPARATING GASEOUS REFRIGERANT FROM FOAM
Daniel F. Shepherd, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application December 6, 1946, Serial No. 714,581
11 Claims. (Cl. 230—206)



1. In apparatus of the character described, the combination of a compressor, a suction line connected to the compressor, an oil sump serving as a source of lubricant for various elements of the compressor, and a separator fan for separating gaseous refrigerant from oil in foam created at start-up of the compressor, the separated gaseous refrigerant passing to the suction line of the compressor and the separated oil passing to the sump.

2,469,087
DERRICK MOVER
Clark Swartz, Cody, Wyo.
Application August 13, 1946, Serial No. 690,303
2 Claims. (Cl. 280—81)



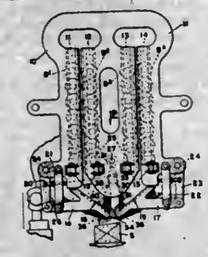
1. A derrick mover which includes a pair of spaced parellel side bars, a pair of spaced parallel end bars, said side and end bars being assembled to form a rectangle, a mobile carriage at each corner of the rectangle, a derrick-foot supporting plate carried by each carriage, means coupling the foot supporting plates to the side and end bars for longitudinal adjustment thereon, a plate mounted intermediate the ends of one of the end bars, a draft tongue connected to the plate and radius rods connecting the plate with the side bars near the opposite end bar whereby pull on the draft tongue will be transmitted to the side bars.

2,469,088
PROCESS OF PRODUCING ALUMINA
Jason F. Thompson, East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application April 11, 1946, Serial No. 661,345
2 Claims. (Cl. 23—142)

1. The process comprising calcining a mixture of aluminum hydroxide and boric oxide in a kiln at a temperature at which the boric oxide and soda from the aluminum hydroxide volatilize, recovering a mixture of alumina and sodium borate from gas leaving the said kiln, separating sodium borate from the alumina of the last-mentioned mixture, and returning the said alumina to the calcining kiln.

2,469,089
BOBBIN CHECK FOR WEFT REPLENISHING LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 7, 1948, Serial No. 893
8 Claims. (Cl. 139—251)

5. In a weft replenishing mechanism having bobbin supports inclined downwardly toward a bobbin transfer position, a bobbin check pivotally supported on the mechanism at a point above the transfer position and normally in position to be engaged by a bobbin moving down either support and be moved by said bobbin toward the other support, said check having two surfaces extending over said supports, one surface for each support, each surface cooperating with the corresponding support when the check is moved toward the other support by the bobbin to define a pocket

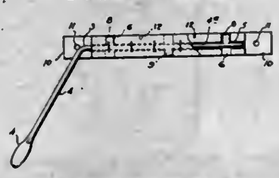


to receive part of the bobbin and restrict upward motion thereof.

2,469,090
EXTRACTION OF ACONITIC ACID FROM SUGAR CANE
Emil K. Ventre, Baton Rouge, La., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application May 2, 1946, Serial No. 666,782
4 Claims. (Cl. 127—42)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

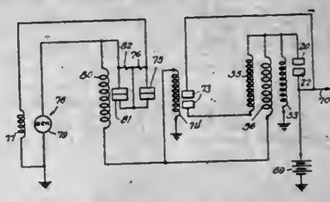
1. A process for the recovery of aconitic acid from sugarcane juice, comprising treating the sugarcane juice with lime and heating to yield a clarified juice having a pH of from 6 to 7, concentrating the juice and crystallizing the sugars therefrom; diluting the molasses with water, heating the diluted molasses, allowing the aconitates to settle, adding a calcium salt, which salt is soluble in the liquid and reacts with the combined aconitic acid to form calcium aconitate, in an amount that is the chemical equivalent of 10 to 40 percent of the aconitic acid radical contained in the supernatant molasses, adding milk of lime in an amount such that, after again raising the temperature to above 60° C. and allowing the aconitate to precipitate, the supernatant molasses has a pH of 6.8 to 7.

2,469,091
VIBRATORY BRIDGE FOR STRINGED MUSICAL INSTRUMENTS
Roy W. Watts, Calgary, Alberta, Canada
Application December 18, 1947, Serial No. 792,559
In Canada October 7, 1947
1 Claim. (Cl. 84—307)



A bridge for stringed musical instruments having an upper and a lower portion held together by the stretched strings of the instrument and with loosely fitting dowel pins, and having a longitudinal groove along the center of each meeting face of the said two portions, and lateral grooves cutting through said longitudinal grooves in each said portion, and also comprising a rotatable bar member fitting loosely in said longitudinal grooves, projecting lugs on both sides of said bar member opposedly directioned upwardly and downwardly, as means for lifting said upper bridge portion on rotation of said bar member against the pressure of the strings, and a bent lever arm extending angularly from one end of said bar member by which its partial rotation is effected when intermittently pressed by hand.

2,469,092
CUTOUT RELAY SYSTEM
George L. Webb, Logansport, Ind., assignor to R-B-M Manufacturing Company, Logansport, Ind., a corporation of Indiana
Original application November 24, 1944, Serial No. 564,942. Divided and this application September 20, 1946, Serial No. 698,351
1 Claim. (Cl. 320—33)

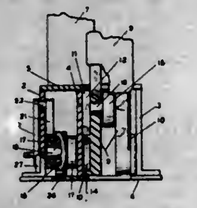


For combination with a battery and a variable speed generator for charging the same, a cutout relay comprising main contacts for connecting the battery to the generator, a shunt coil disposed to be connected for energization across the generator and to close said main contacts when the generator voltage reaches a predetermined value, a series coil disposed to be connected in series circuit relation with the generator to assist said shunt coil in holding said main contacts closed when current flows from the generator to the battery, a differential coil disposed to be connected to be responsive to the difference between the battery and generator voltages and to assist said shunt coil in closing said main contacts when the battery voltage is less than the generator voltage, and voltage regulating means for the generator including a coil disposed to be responsive to the generator voltage, contact means for controlling the voltage of said generator, and normally open auxiliary contacts disposed to be closed thereby when the generator voltage reaches a predetermined value, said auxiliary contacts being connected in series circuit relation with said differential coil for disconnecting it from the battery when the generator is not running to prevent drain on the battery during such time.

2,469,093
STAKE BUNK
William G. White, Aberdeen, Wash.
Application November 17, 1947, Serial No. 786,406
7 Claims. (Cl. 280—145)

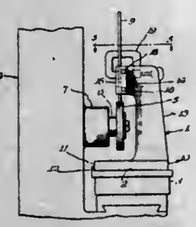
1. A stake bunk comprising an elongated housing having a longitudinally extending central partition separating said housing into two compartments, an opening formed in the top of said housing at each end and into one of said compartments, slots formed in the ends of said compartments from said openings and extending partially along the bottom walls thereof, an upright partition extending inwardly of said

compartments to and adjacent the inner ends of said slots and cooperating with the end and bottom walls containing said slots to define open topped opposed recesses, stakes mounted in the



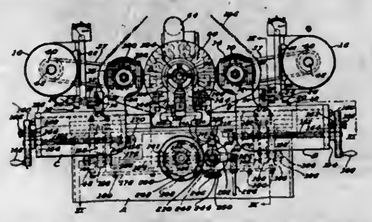
open ends of said housing and having lateral bosses extending into said recesses to provide floating fulcrums for the stakes, and individual means including a bar for releasably retaining said stakes in upright operative position.

2,469,094
WORK HOLDER FIXTURE
Joseph Wicker, Chicago, Ill.
Application January 9, 1947, Serial No. 720,969
1 Claim. (Cl. 51—217)



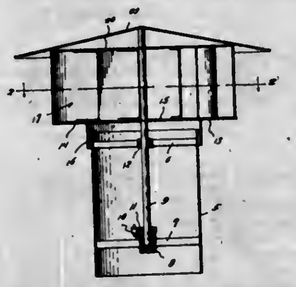
A work holder adapted for use with a machine tool having a bed plate, a working element and a gauging shoulder, said holder comprising a substantially rectangularly shaped base member forming a flat downwardly facing support surface, adapted to rest upon the bed plate of the machine tool with the forward edge of the base portion bearing against the gauging shoulder thereof, an upwardly extending relatively thin standard portion disposed centrally between the ends of said base and extending parallel thereto, the bottom of the rear upwardly extending edge of said standard lying in the same plane as the rear edge of the base and sloping inwardly thereof, the front upwardly extending edge of said standard being spaced rearwardly from the forward edge of said base, a face plate portion at the upper end of said standard spaced upwardly from the base and positioned at right angles thereto, said face plate also being offset rearwardly of the forward edge of the base engaging the gauging shoulder and an end gauge element removably mounted on an end of said face plate, whereby the forward edge of the base may abut against the gauging shoulder on the machine and the work may abut against said end gauge element on the face plate for positioning properly with respect to the working element on said machine tool.

2,469,095
APPARATUS FOR REFINISHING TAMPICO ROLLS AND BRUSHES
Oscar A. Widerberg and Walfred A. Wallsten, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application July 31, 1946, Serial No. 687,304
13 Claims. (Cl. 51—84)



4. Mechanism for producing a predetermined surface on a cylindrical workpiece, which comprises, in combination, a mounting frame, a slide track on the mounting frame extending transversely thereof, a rotatable shaft having an inner end and an outer end, said shaft being adapted to support a workpiece for movement therewith, bearing means for the shaft positioned adjacent to the outer end of the shaft, a bracket bearing stand assembly for the bearing having spaced leg portions straddling the slide track, means for releasably clamping the said leg portions against the slide track, the said bearing means permitting reciprocation of the shaft and workpiece, mechanism for rotating the shaft and workpiece, instrumentalities driven by the said mechanism for oscillating the shaft and workpiece during rotation thereof, working means for surfacing the workpiece, and mechanism for adjusting the working means relative to the workpiece.

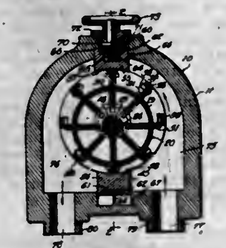
2,469,096
VENTILATOR
William C. Wilson, Pittsburg, Kans.
Application October 16, 1945, Serial No. 622,613
1 Claim. (Cl. 98—75)



A ventilator, comprising an upstanding cylindrical sleeve open at its top and bottom, a lower end thrust bearing disposed centrally within the sleeve and mounted thereon, an upper bearing disposed centrally within the sleeve and mounted thereon, a vertical shaft rotatable within the bearing and projecting above the sleeve, and a rotor arranged above the sleeve and concentric therewith, said rotor comprising upper and lower

circular plates, the upper plate being imperforate and the lower plate having a large central opening in substantial alignment with the sleeve, an annular skirt arranged beneath the lower plate and secured thereto and surrounding the large opening in the lower plate and receiving the upper end of the sleeve therein, a plurality of spaced longitudinally curved blades arranged between the upper and lower plates and extending from the opening in the lower plate to the outer edges of the upper and lower plates and secured to such upper and lower plates, and a cover of considerably greater diameter than the upper and lower plates and arranged above the upper plate in concentric relation thereto and projecting radially beyond the upper plate for a considerable distance, the upper imperforate plate having a central reduced opening, the vertical shaft extending through the reduced opening of the upper plate and having its upper end engaging the lower face of the conical cover at the apex of the conical cover, the upper plate covering the lower face of the conical cover to prevent air being trapped therein.

2,469,097
VARIABLE CAPACITY SLIDING VANE PUMP
Herbert A. Wrenn, Lanham, Md.
Application July 11, 1944, Serial No. 544,361
8 Claims. (Cl. 103—120)



1. A pump comprising a casing having a fluid inlet and a fluid outlet, a rotor mounted in said casing, radial vanes carried by said rotor and radially slidable relative thereto, abutment means arranged in said casing between said inlet and said outlet, means for varying the degree of eccentricity of said abutment means relative to said rotor to vary the capacity of the pump, a device having portions forming sections of a cylinder extending across and in operative engagement with the radially outer ends of said vanes and rotatable against said abutments, the space between adjacent pairs of said portions of said device predetermining the maximum width of the pumping pocket between each adjacent pair of vanes, said device being rotatable concentric with said abutment means, said device having end walls provided with spaced circumferentially extending slots, and projections carried by said vanes and engaging in said slots to rotate said device upon rotation of said rotor.

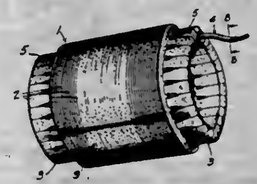
2,469,098
CURTAIN OR DRAPERY FIXTURE
Archie A. Allen, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich., a corporation of Michigan
Application January 16, 1946, Serial No. 641,476
7 Claims. (Cl. 211—105.2)

4. In a curtain or drapery fixture, the combination with a tubular rod and a supporting bracket therefor, of a rod supporting arm swingably mounted on said bracket and comprising front and rear members having opposed enlargements adjacent to the swingable connection thereof frictionally engaged within the rod for support-



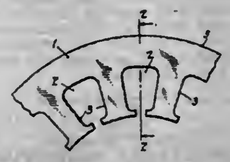
ing the rod for vertical tilting adjustment, and a screw disposed through an opening in the bottom of the rod and having threaded engagement with said arm whereby the rod is supported for vertical tilting adjustment on the arm.

2,469,099
ELECTRIC WINDINGS AND LEADS THEREFOR
Orrin E. Andrus, Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application January 21, 1948, Serial No. 3,386
7 Claims. (Cl. 171—252)



3. A stator or the like comprising a stator core, a winding for said core, stranded leads secured to said winding, a silicone resin coating said leads and filling the spaces between the strands of the individual leads, and a non-silicone insulating varnish impregnated in said stator and coating the winding and the silicone covered leads.

2,469,100
LAMINATED MAGNETIC CORE
Orrin E. Andrus, Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 21, 1947, Serial No. 769,855
4 Claims. (Cl. 175—21)

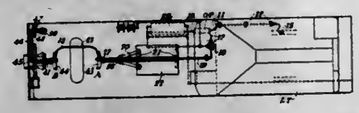


1. A laminated electromagnetic core composed of stamped metal laminations having burrs along the edges of only one face of each lamina, and in which alternate laminations are reversed to present burred faces adjacent each other and smooth faces adjacent each other throughout the core.

2,469,101
METHOD OF PRESERVING RUBBER
Edward S. Blake, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 22, 1945, Serial No. 637,093
8 Claims. (Cl. 260—810)

5. The method of preserving a rubber which comprises treating a sulfur vulcanizable rubber with a small amount of the condensation product of a dihydroxy substituted benzene having the empirical formula $C_6H_6O_2$ and a dihydric alcohol having the two hydroxy groups linked to carbon atoms separated by a methylene group said product being produced by condensing substantially one molecular proportion of the dihydroxy benzene with at least about two molecular proportions of the dihydroxy alcohol in the presence of an acidic condensation catalyst.

2,469,102
TRAIN CARRIED TRANSMITTING LOOP FOR TRAIN COMMUNICATION SYSTEMS
Edgar W. Breisch, Edgewood, and John I. Seitz, Wilkinsburg, Pa., assignors to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 27, 1947, Serial No. 776,476
6 Claims. (Cl. 246—8)



1. In railway train communication equipment mounted on a steam locomotive the tender of which has an opening in the top of its tank for taking on water, a transmitting loop mounted on said tender and including a front and a rear conductor fixedly supported in a given horizontal plane above the tender top and aligned on the longitudinal center line of the tender, said front and rear conductors having their near ends spaced approximately an equal distance in front and to the rear respectively of said opening, a U-shaped conductor to join said near ends of said front and rear conductors, two connectors one for each end of said U-shaped conductor, each said connector having a clamp to grip the respective fixed conductor and a rotatable clamp to grip the respective end of the U-shaped conductor to permit the U-shaped conductor to be rotated from said horizontal plane on one side of said tender center line upward and over to said horizontal plane on the other side of the tender center line to avoid interference of said loop with the lowering of a waterspout to said tank opening from either side of the tender, and other conductors to join the far ends of said front and rear conductors.

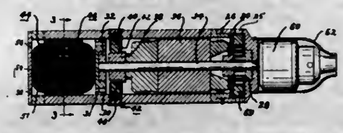
2,469,103
YARN BOBBIN
Lyle A. Carlson, Oakville, Conn.
Application March 21, 1947, Serial No. 736,345
4 Claims. (Cl. 242—96)

1. A bobbin for use with yarn or like material comprising a pair of semi-circular elements, a cross bar joined to said elements at their mid-concave sections and of a length to hold said semi-circular elements so that their adjacent ends are in narrowly spaced relationship but wide enough to allow the material wound on said cross bar to freely pass between said spaced ends, and



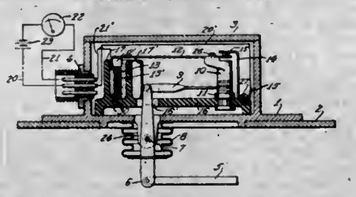
said cross bar and semi-circular elements lying in a common plane.

2,469,104
ELECTRIC MOTOR
Keith Conrad and James W. Hackett, Toledo, Ohio
Application April 25, 1947, Serial No. 743,908
14 Claims. (Cl. 172—36)



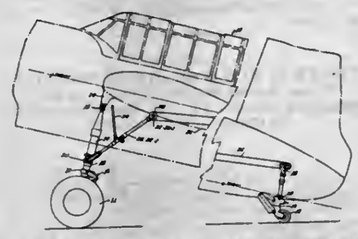
1. In an electric motor, a cylindrical casing comprising a nonmagnetic cylindrical portion having segments of circumferentially spaced magnetic material embedded in said nonmagnetic material, an armature, means for rotatably supporting said armature within said casing, field coil means arranged in axial alignment with said armature, magnetic means for supporting said field coil means and comprising radially extending pole pieces arranged in radial alignment with said segments of circumferentially spaced magnetic material whereby said circumferentially spaced segments of magnetic material constitute field poles surrounding said armature.

2,469,105
WEATHERPROOF TRANSMITTER RESISTOR DEVICE
Clarence A. de Giers, Forest Hills, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware
Application November 21, 1945, Serial No. 629,995
4 Claims. (Cl. 201—56)



1. In a transmitter for a measuring device of the type described for measuring a variable physical magnitude, the combination of a housing, an impedance means having two relatively movable members engaging each other mounted within the housing, the relative position of said members determining the impedance value of said impedance means, a prime mover controlled by said variable physical magnitude and operatively connected with one of said members for controlling the position thereof relative to the other member, and a moisture repellent and electrically insulating compound filling the housing in sufficient amount to cover at least one of the impedance members and the engaging portion of the other impedance member, said compound consisting of a high polymer with a frame work formed by a structure of silicon atoms bound to each other by oxygen atoms and having a semi-fluid consistency causing the compound to maintain the said one impedance member and the engaging portion of the other member completely covered while allowing for electrical contact between the impedance members as the same are moved relatively to each other.

2,469,106
LANDING GEAR FOR AIRCRAFT
Fred N. Dickerman, Nichols, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 28, 1944, Serial No. 520,013
11 Claims. (Cl. 244—102)



1. An airplane having at least two retractable landing members and means including meshing gears on parallel axes for retracting one of said members longitudinally of said airplane when the other one is retracted.

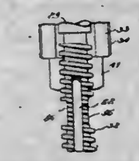
2,469,107
CHLORINATED WAX-POLYSTYRENE COMPOSITION
Ludwig H. Dimpfl and William E. Elwell, Berkeley, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 11, 1945, Serial No. 634,406
4 Claims. (Cl. 260—28.5)

1. A plastic composition comprising a normally solid, hard polystyrene resin and from 35 to 70% by weight of a normally liquid chlorinated paraffin wax based on the total weight of said polystyrene resin and chlorinated wax, said plastic composition being pliable, resilient, dry to touch, reversibly elastic upon extensive deformation in the same general manner as rubber, and being stable against separation of said resin and said chlorinated wax into two phases.

2,469,108
WAX-POLYAMIDE-PINENE RESIN COATING COMPOSITION
Karl W. Fries, Rhinelander, Wis., assignor to Rhinelander Paper Company, Rhinelander, Wis., a corporation of Wisconsin
No Drawing. Application August 6, 1945, Serial No. 609,333
3 Claims. (Cl. 260—23)

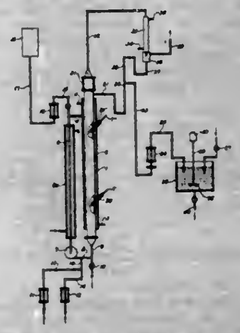
1. A coating composition comprising in solution in an organic solvent a mixture of from 1% to 10% of a polymerized beta-pinene resin having a melting point of around 115° C., from 1% to 10% wax, the balance consisting of a plasticized ethylene diamine polyamide of dimerized and trimerized linoleic and linolenic acids.

2,469,109
NONCORRODIBLE VALVE
Rudolph F. Goecke, Elyria, Ohio, assignor to The Pfaudler Co., Rochester, N. Y., a corporation of New York
Application December 6, 1943, Serial No. 513,071
6 Claims. (Cl. 251—158)



1. In a valve for transmitting corrosive fluids, the combination of a metal valve stem, a metal sleeve surrounding and fixed on said stem to protect the same against corrosion, said sleeve being provided externally with a vitreous protective coating fused thereon and internally with a surface bearing on said stem, a valve head formed at one end of said stem and sleeve and having a surface of corrosion-resisting material, and means at the opposite end of said stem and sleeve for engagement by a valve actuating means.

2,469,110
PROCESS FOR PREPARING β-LACTONES
Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 6, 1946, Serial No. 660,287
13 Claims. (Cl. 260—344)

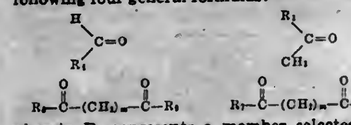


1. A process for preparing a β-lactone comprising reacting, at a temperature of below 50° C. and not less than —50° C. a ketene selected from the ketenes represented by the following general formula:



wherein R and R_1 each represents a member selected from the group consisting of a hydrogen atom, a methyl group, an ethyl group and a

phenyl (C_6H_5—) group, with a carbonyl compound selected from the group represented by the following four general formulas:

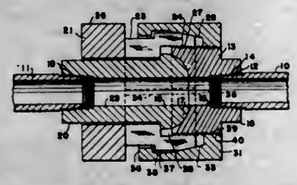


wherein R_2 represents a member selected from the group consisting of a hydrogen atom, an alkyl group of the formula C_nH_{2n+1} wherein n represents a positive integer of from 1 to 4, a benzyl group, a β-phenylethyl group and a phenyl (C_6H_5—) group, R_3 represents a member selected from the group consisting of an alkyl group of the formula C_nH_{2n+1} wherein n represents a positive integer of from 1 to 4, R_5 and R_6 each represents an alkyl group of the formula C_nH_{2n+1} wherein n represents a positive integer of from 1 to 3, R_7 represents an alkyl group selected from the group consisting of methyl and ethyl groups, and R_8 represents a member selected from the group consisting of primary and secondary alkyl groups of the formula C_nH_{2n+1} wherein n represents a positive integer of from 1 to 4, and m represents a positive integer of from 1 to 3, in the presence of a boron compound selected from the group represented by the following general formula:



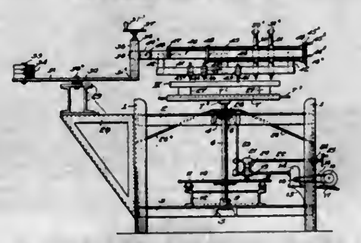
wherein R_9 represents a member selected from the group consisting of a hydrogen atom, a primary alkyl group of the formula C_nH_{2n+1} wherein n represents a positive integer of from 1 to 4, an acetyl group and a propionyl group.

2,469,111
LOCKED COUPLING
Hiram R. Harding, Baltimore, Md., assignor of fifty per cent to Harry E. Karr, Baltimore County, Md., and twenty-five per cent to Logan C. Harding, Hopewell, Va.
Application December 26, 1947, Serial No. 793,917
3 Claims. (Cl. 285—122)



1. A union for the coupling of plural pipes, comprising in combination, a lower barrel of cylindrical form including one end portion enlarged and exteriorly rounded into a quasi-hemispherical form, said lower barrel having a central passage therethrough with the portion opposite to said enlarged end portion provided with means to receive and hold a pipe end portion of predetermined size, an upper barrel exteriorly screw threaded and having a central passage therethrough having a portion provided with means to hold another end portion of pipe and including an arcuate recess in one of its faces conforming with the contour of said first mentioned enlarged end portion of said lower barrel whereby it may receive same and permit a ball-joint-like adjustment therein, a wedge-nut element having an exterior portion formed for tool operation and interiorly provided with a passage to allow the cylindrical portion of the lower barrel to pass therethrough, but to stop same when enlarged end portion contacts said wedge-nut, said element including an extending cylindrical portion of lesser diameter than its tool operation portion from which extends a tapering wedge-like end formation including an internal screwthread, engageable with the screwthreads on the exterior of said upper barrel so as to be adjustable longitudinally thereon, and a cap interiorly screw-threaded at a predetermined portion thereof to screw on to said upper barrel and including a converging recessed interior surface alignable with said wedge-like formation so as to coact therewith and induce a compressive binding thereon as the wedge-nut element is screwed further on said upper barrel to bring the element and cap closer together and thereby make a tighter and leak-proof connection about the ends of the pipes.

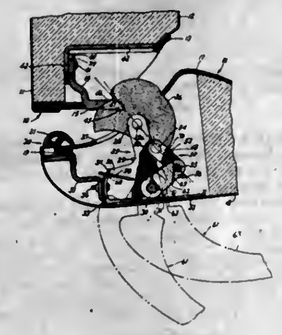
2,469,112
CIRCLE CUTTING BLOWPIPE MACHINE
Wilbur Rutter Helwig, Baltimore, Md.
Application October 16, 1945, Serial No. 622,622
10 Claims. (Cl. 266—23)



1. A burning machine, comprising a frame; a rotatable work table in said frame; a lever pivoted on said frame to one side of the table; a head rotatably mounted adjacent one end of the lever; an arm pivoted on said head and overlying the work table; a centering pin axially adjustably mounted on the arm; and a plurality of acetylene burner heads axially adjustably mounted on the arm; said pivoted lever permitting the arm to swing freely with a knuckle movement across the work when the centering pin is engaged in the work eccentrically of the axis of rotation thereof, said lever having an axial slot adjacent its center; an antifriction bearing upon said frame below the slot; and a bolt transfixing the slot in the lever, the bearing, and the underlying portion of the frame, whereby the lever may be shifted axially on the frame.

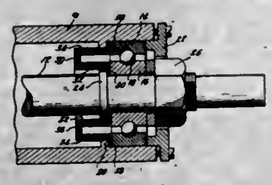
2,469,113
LATCH MECHANISM
Howard W. Hooker, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application July 3, 1946, Serial No. 681,196
6 Claims. (Cl. 292—332)

6. A door latch, comprising, a shaft, support means at least partially carried by said shaft and mounted with freedom for rotation thereabout, means for adjustably establishing the angular position of said support means with respect to said shaft, a latch bolt pivotally mounted upon said support means and adapted for pivotal movements into and out of latching engagement with a keeper, a toggle movable between extended and retracted positions and adapted to effect such movements of said bolt, said toggle comprising two pivotally connected links the free end of which is adapted to react against said shaft and the free end of the other of which is



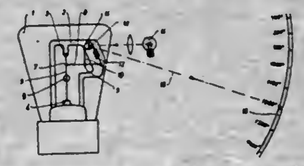
pivotally connected to said bolt at a position radially removed from the pivotal mounting of said bolt upon said support, means on said shaft for moving said toggle to its retracted position to move said bolt out of latching engagement with the keeper, and spring means for moving said toggle into its extended position to move said bolt into latching engagement with the keeper with increasingly amplified force as the bolt advances toward latched position.

2,469,114
SHAFT SEAL
Knute Arnold Holst, Astoria, Long Island, N. Y., assignor to Pitometer Log Corporation, New York, N. Y., a corporation of New York
Application June 2, 1945, Serial No. 597,197
15 Claims. (Cl. 286—11)



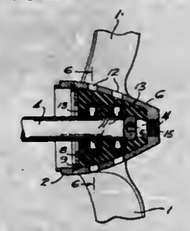
1. In a seal between an element and a shaft having limited rotational movement with respect thereto, a flexible member having two circular concentric portions radially spaced from each other and joined at one end by an annular radial portion, the other end of one of said portions being secured to the shaft and the other end of the other portion being secured to the element, whereby said flexible member is subjected to torsion, and a plurality of axially spaced circular elements substantially rigid in radial direction carried by each of said circular portions.

2,469,115
PYROMETER LAMP FOR OPTICAL TEMPERATURE MEASUREMENTS
Adolf Jagersberger, St. Gilgen, Austria
Application February 26, 1948, Serial No. 11,291
In Austria February 4, 1947
Section 1, Public Law 690, August 8, 1946
5 Claims. (Cl. 315—120)



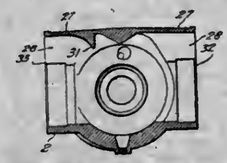
1. In a pyrometer, an incandescent filament adapted to be passed by an electric current, means for laterally straining said filament, and means for indicating the amount said filament yields to said strain, when expanded by the current, said indicating means including a pivotally mounted reflector.

2,469,116
PROPELLER MOUNTING
Elmer C. Kiekhaefer, Cedarburg, Wis.
Application December 31, 1945, Serial No. 638,544
8 Claims. (Cl. 170—177)



1. In a propeller mounting of the class described, a drive shaft, a propeller having a hub, a resilient insert between the hub and shaft to transmit driving forces therebetween and having a radial hole therein opening outwardly from said shaft, means to secure said insert in the propeller hub, and a transverse pin passing through said shaft and into the radial hole in said insert for securing the insert against axial displacement in either direction on said shaft.

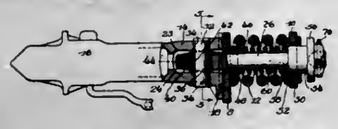
2,469,117
FUEL SUPPLY FOR OPPOSED CYLINDER ENGINES
Elmer C. Kiekhaefer, Cedarburg, Wis.
Application March 9, 1946, Serial No. 653,399
9 Claims. (Cl. 123—56)



9. In an engine of the class described, a crankcase, a crankshaft operable therein, a pair of

cylinders carried by said crankcase in diametrically opposed relation with their center lines offset longitudinally of the crankshaft to accommodate the corresponding crank throws side-by-side on the shaft, said cylinders having transfer ports communicating between the corresponding cylinders and the crankcase and adapted to be opened and closed by the pistons in the cylinders during operation of the engine, a fuel inlet valve at one end of the crankcase operable by said crankshaft, and a baffle in said crankcase disposed in the path of fuel moving therethrough from said inlet valve to equalize the distribution of fuel to the cylinders, said baffle being disposed near the entrance to the transfer port for the cylinder tending to be most lean in fuel and extending toward the corresponding crank throw to direct more fuel into said cylinder and extending close to the path of the crank to provide added lubrication for the crank by dripping of fuel from the baffle as the crank passes the same.

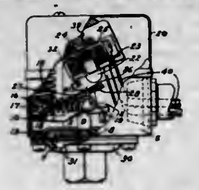
2,469,118
CENTERING MEANS FOR RAILWAY DRAFT DEVICES
Edmund P. Kinne and Frank H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 12, 1943, Serial No. 498,292
31 Claims. (Cl. 213—19)



1. In a draft arrangement, front and rear followers designed to be confined between front and rear draft lugs of an associated car body, main resilient means compressed between said followers, a coupler seated against said front follower, a draft bar pivotally connected to said coupler and extending through said followers, securing means fixed on the end of said draft bar and having a portion extending through said rear follower, and auxiliary resilient means compressed between said portion and said front follower and acting to urge said coupler into engagement therewith, said coupler having a butt with a flat face merging at opposite vertical edges thereof into arcuate shoulders, and said front follower having a face complementary in form for seating of said butt and affording a fulcrum against which said shoulders may pivot upon lateral angling of said coupler.

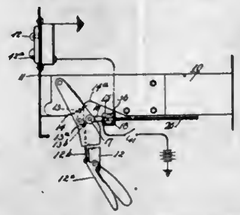
2,469,119
TOGGLE ACTUATED SWITCH
Nobel H. Koertge, Glen Ellyn, Ill., assignor to Furnas Electric Company, Batavia, Ill., a corporation of Illinois
Application December 20, 1946, Serial No. 717,522
6 Claims. (Cl. 200—83)

1. An electric switch comprising, a contact support, a fixed contact mounted upon said support, a movable contact having a carrier bar slidably cooperable with said support to guide said contacts for coaction with each other, resilient means for constantly urging said movable contact toward said fixed contact, a toggle having a rigid impact member for opening and closing said contacts with a snap action, a leaf spring interposed between said impact member and said bar for preventing double clicking of said contacts, and a snubber with which said leaf spring is gradually



increasingly engageable and cooperable to prevent destructive vibration of the latter.

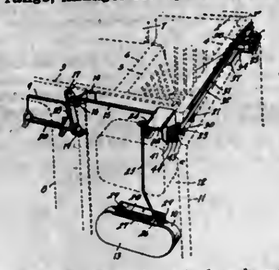
2,469,120
BRAKE LEVER OPERATED SWITCH
Roy A. Kropp, River Forest, Ill., assignor to Kropp Forge Company, Cicero, Ill., a corporation of Illinois
Application May 7, 1945, Serial No. 592,425
4 Claims. (Cl. 200—59)



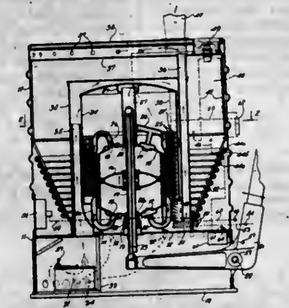
1. In combination in an electrical circuit controlling device for an emergency brake signal, a clevis member adapted to be connected to a brake lever, said clevis member having an apertured closed end portion, an elongated member extending reciprocably through said apertured end portion and adapted to be attached to the emergency brakes of a vehicle, a sliding block reciprocably movable within the clevis and secured to the end of said elongated member for movement therewith, a boss on one side of said clevis, said boss being hollow and having an aperture through the side of the clevis communicating therewith, a plunger reciprocably guided in said boss and having a tip projecting through the aperture in the side of the clevis, a longitudinal camway in the periphery of said sliding block, said plunger tip extending into said camway for maximum projection through said aperture through which it projects in one reciprocal position of the sliding block and arranged to be cammed out of the camway by movement of the sliding block into another reciprocal position, and a switch assembly carried by said boss and including normally separable electrical switch contacts arranged to be moved into closed position upon movement of said plunger away from said sliding block by said camway as an incident to movement of the block with said elongated member into said other position.

2,469,121
RANGE DRAFT CONTROL
Robert C. Lang, Kalamazoo, Mich., assignor to Kalamazoo Stove & Furnace Co., Kalamazoo, Mich.
Application June 14, 1946, Serial No. 676,788
3 Claims. (Cl. 126—1)

2. The combination with a solid fuel burning range having an end frame member with a top member and end closure panel supported thereon, of a down turned flange on said top member terminating in substantial flush vertically spaced relationship with said end panel, an air inlet damper positioned on the rear of said range, a smoke by-pass damper positioned on the rear of said range, linkages for operating said dampers including a pair of control rods positioned along said end frame member and between said top member and end panel, said control rods having fingers extending outwardly of said range between said flange and said end panel and near the forward end thereof, and control knobs positioned on the ends of said fingers.



2,469,122
VAPOR COMPRESSION TYPE STILL
Allen Latham, Jr., Jamaica Plain, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts
Application April 3, 1945, Serial No. 586,357
15 Claims. (Cl. 202—182)



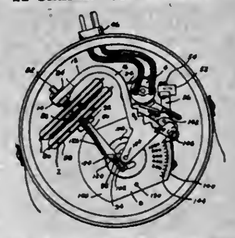
1. Distillation apparatus of the vapor compression type comprising a mechanical compressor adapted to compress vapor by mechanical compression thereof, a vaporization chamber which is disposed about said compressor and which is arranged to confine therewithin for transmission to fluid within said vaporization chamber sensible heat of the compressor generated during operation thereof, a heat exchanger within said vaporization chamber, means for directing vapor from said vaporization chamber to said compressor for compression therein, means for directing compressed vapor from said compressor to said heat exchanger in out-of-contact heat exchange relation with said solution in said vaporization chamber, means for introducing solution to be distilled into said vaporization chamber, means for withdrawing concentrated solution from said vaporization chamber, and means for withdrawing distillate from said heat exchanger, said apparatus being adapted to maintain a substantially higher pressure within said heat exchanger than the pressure within said vaporization chamber upon actuation of said compressor to compress therein vapor directed thereto from said vaporization chamber and directed therefrom to said heat exchanger.

2,469,123
APPARATUS FOR PROGRESSIVELY ENAMELING CONTINUOUS METAL SHEETING
Wesley G. Martin, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application January 20, 1945, Serial No. 573,759
2 Claims. (Cl. 91—13)



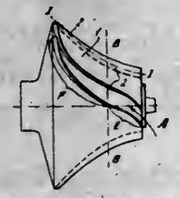
1. In apparatus for the progressive enameling of a continuous metal sheet, a pair of coil supports spaced apart a substantial distance, cleaning apparatus, a spray booth, a dryer, a firing furnace and quenching equipment disposed in the order named between said coil support, drive rolls disposed in conjunction with said cleaning apparatus and the enamel applying, fusing and quenching equipment to drive the sheet through the same and clean and coat the sheet with enamel, rolls having a resilient covering and disposed between the dryer and firing furnace to steady said sheet in its forward moving path, and asbestos covered rolls provided between the firing furnace and the coil support on which the enameled sheet is wound to additionally steady the sheet in its course to said last named coil support.

2,469,124
PRESSURE OPERATED SWITCH
Ira E. McCabe, Chicago, Ill.
Application December 2, 1944, Serial No. 566,340
11 Claims. (Cl. 200—83)



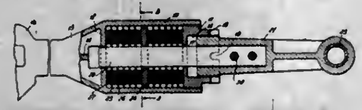
1. A pressure recording device comprising a switch adapted to be included in an electrical circuit, switch actuating means, pressure responsive means, means for operating said switch actuating means, said means including a clutch for intermittently actuating said actuating means upon expansion of said pressure responsive means, said clutch comprising clutch elements having a holding action on the operating means when the clutch elements are in engagement to prevent return of the operating means to a prior pressure recorded position, and said operating means having a lost motion connection between said pressure responsive means and said actuating means for permitting said pressure responsive means to move through any of the prior pressure recorded positions.

2,469,125
CENTRIFUGAL COMPRESSOR FOR HIGH STAGE PRESSURES
Christian Meisser, Davos-Dorf, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application September 26, 1944, Serial No. 555,790
In Switzerland December 11, 1943
8 Claims. (Cl. 230—134)



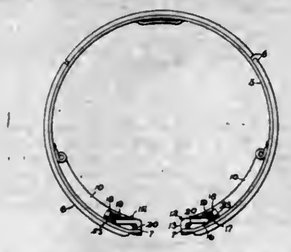
1. A centrifugal compressor suitable for high peripheral speeds, comprising a rotor, to be driven at a peripheral speed not less than 300 meters per second, with a plurality of blades extending from the inlet part on a small diameter to the outlet part on a greater diameter, the latter part being spaced axially from the former, the blades being bent backwards throughout their length and having at least two zones, one, an inlet zone in which the angle of inclination of the backwardly bent blade surfaces with respect to the peripheral direction increases from the relatively small angle required for freedom from shock at the inlet at normal load to the maximum value attained from inlet to outlet, and the other, an outlet zone in which the angle of inclination of the backwardly bent blade surfaces with respect to the peripheral direction decreases from the maximum value attained from inlet to outlet to an angle at the outlet whose cosine is greater than the ratio of the relative velocity to twice the peripheral velocity.

2,469,126
SHOCK ABSORBING STRUCTURE FOR RAILWAY DRAFT GEARS
George R. Munro, Massapequa, and Walter C. Dilg, Hewlett, N. Y., assignors to Waugh Equipment Company, New York, N. Y., a corporation of Maine
Application January 16, 1948, Serial No. 2,584
5 Claims. (Cl. 213—46)



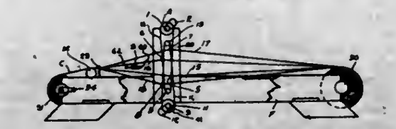
3. A draft gear for use on railway rolling stock, which comprises a housing having a closed end with an axial opening, a shank attached to the housing at its closed end and adapted to be connected to the coupler of the vehicle, a removable plug in the other end of the housing, the plug having an axial recess opening outwardly with an axial passage of reduced diameter through the bottom of the recess, a rod extending through the opening, the housing, and the passage and recess of the plug, a bar having a recess at one end, the end of the rod projecting beyond the plug entering the recess in the bar and being connected to the bar, the recessed end of the bar entering the recess in the plug and the other end of the bar being adapted to be connected to a part of the vehicle structure, an abutment on the rod within the housing, and a pair of spring units encircling the rod within the housing and lying on oppostie sides of and in contact with the abutment, one of the units engaging the closed end of the housing and the other the inner side of the plug.

2,469,127
FRICTION ELEMENT FOR BRAKES
John George Oetzel, Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill., a corporation of Illinois
Application October 12, 1944, Serial No. 558,296
8 Claims. (Cl. 188—250)



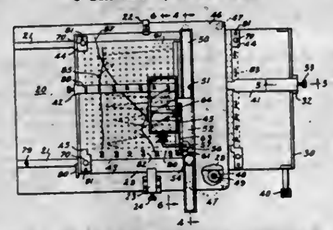
1. A friction brake comprising an arcuate member, a flat rib secured to and extending along one end of said member on the concave side thereof, a cross plate having one end portion lying adjacent the end of said member and said rib, the other end portion being bent substantially at right angles to said first portion and divided into two legs straddling said rib and converging toward said member in a direction away from said first end portion, the ends of said legs being bent away from the member, and welds formed along opposite sides of said rib and the inner and outer margins of said legs to secure the latter to the rib and said member respectively.

2,469,128
HAND LOOM
Jeremiah A. Pecott, deceased, late of Lawrence, Mass., by Bertha A. Pecott, administratrix, Lawrence, Mass.
Application May 16, 1946, Serial No. 670,234
4 Claims. (Cl. 139—33)



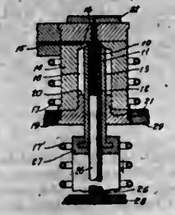
1. A hand loom having a frame provided with two uprights, a top heddle driving roller rotatably mounted in said uprights and provided with a turning handle; a top heddle driven roller rotatably mounted in said upright below the top driving roller; top heddles passing around both top heddle rollers, each heddle being attached to the top heddle driving roller and having two warp thread eyes; a bottom heddle driving roller rotatably mounted between the uprights, positioned below the top heddle driven roller and including a turning handle; a bottom heddle driven roller rotatably mounted between the uprights and positioned above the top heddle driven roller; bottom heddles passing around both bottom heddle rollers each heddle being attached to the bottom heddle driving roller and having two warp thread eyes; a warp beam positioned on one side of the uprights; and a cloth beam positioned on the other side of the uprights, whereby certain warp threads from the warp beam can pass through certain eyes and other warp threads can pass through other eyes to form various sheds for the passage of a shuttle or shuttles.

2,469,129
SPECTROPHOTOMETRIC CURVE READING APPARATUS
Genevieve Becker Reimann, Baltimore, Md.
Application November 5, 1945, Serial No. 626,765
6 Claims. (Cl. 88—39)



1. An apparatus of the class described comprising in combination a reciprocating carriage including a plate arranged to support and hold a spectrophotometric curve sheet in readable position thereon and with clamps mounted on its sides, a scale including markings for determining the ordinate values of the curve on said sheet mounted on said carriage and movable across same to align with various points on said curve, another scale on the carriage for determining the values of abscissae of said curve, a table for supporting said carriage arranged to provide a path for the latter to reciprocate on, means for supporting the table and enabling same to be tilted to various angles and retained in such positions, a bridge attached to said table and permanently located in a predetermined position thereover, a magnifying lens movable across the bridge and alignable with the points on said curve for the examination and evaluation thereof, and means for adjusting the lens on said bridge.

2,469,130
METHOD OF AND APPARATUS FOR MOLDING
Isaac P. Rodman, Jr., West Orange, N. J., assignor to Celluplastic Corporation, Newark, N. J., a corporation of New Jersey
Application October 17, 1945, Serial No. 622,710
10 Claims. (Cl. 18—5)



6. The method of forming hollow articles from plastic material which comprises providing a closed mold having a cavity therein of an internal configuration corresponding to the shape of the article to be molded, providing in the said mold cavity means defining a closed, substantially cylindrical die space, introducing fluid plastic material to be molded into the cylindrical die space, until the space is filled with the material, allowing the plastic material to become self-sustaining in the said space while maintaining the said space constant in its dimensions, thereby forming a substantially cylindrical, but plastic starting blank, removing the cylindrical die space means die parts from around the starting blank while maintaining the starting blank in initial position, expanding the blank laterally while restraining the blank longitudinally by introducing a fluid medium into the blank until the expanded blank fills the mold cavity, restraining a portion of the cylindrical blank at an end thereof while expanding the remaining portion of the blank into engagement with the sides of the mold cavity, and after expansion of the article in the mold cavity, effecting release of the resulting expanded article from the mold cavity by opening the bottom portion of the mold while continuing introduction of the fluid medium into the expanded article under sufficient pressure to effect ejection of the expanded article from the mold cavity.

2,469,131
INFLATABLE DOOR SEALING SYSTEM
Walter G. Ross, Berkley, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 28, 1947, Serial No. 751,155
15 Claims. (Cl. 296—44)



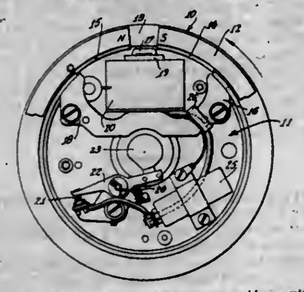
15. The combination with a closure member and an associated member defining a closure opening, of an expansible and collapsible sealing element adapted to be positioned along the joint between said members when said closure member has been moved to closed position, means providing a source of pressure fluid for expanding said sealing element, and conduit means connecting said pressure fluid source with said sealing element comprising engageable, cooperating valve pieces mounted on each of said members and arranged to automatically control expansion of said sealing element in accordance with the position of said closure member relative to said opening.

2,469,132
MANUFACTURE OF SULFUR COMPOUNDS
Walter A. Schulze and Willie W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application August 4, 1944, Serial No. 548,146
8 Claims. (Cl. 260—79)

8. A novel composition of matter which comprises an unsaturated organic sulfur-containing product of from 1 to 5 per cent sulfur and of molecular weight of 500 to 3,000; said composition being further characterized as the product derived from the interaction in an aqueous emulsion of conjugated butadiene, an unsaturated organic comonomer polymerizable therewith in

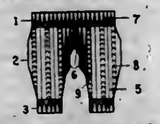
aqueous emulsion selected from the group consisting of styrene, acrylonitrile, and methyl methacrylate and an aliphatic mercaptan having from 10 to 16 carbon atoms per molecule and containing a single SH group in addition to carbon and hydrogen, said butadiene making up from 50 to 95 per cent of the combined weight of said butadiene and comonomer, and said mercaptan being present in an amount ranging from 10 to 50 weight per cent of said butadiene and comonomer.

2,469,133
MAGNETOELECTRIC MACHINE
Lloyd H. Scott, Garden City, N. Y., assignor, by mesne assignments, to Jack & Heints Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application November 1, 1945, Serial No. 626,122
7 Claims. (Cl. 171—209)



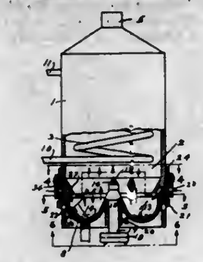
1. In a magneto for use in connection with internal combustion engine ignition systems, or the like, having spark plugs, or the like, with spark gaps, said magneto having a magnetic circuit including a magnet and pole shoe structure and a relatively rotatable magnetic core structure having spaced arms intermittently bridged thereby, said core structure including primary and secondary windings on one of said arms, a circuit breaker for said primary winding for releasing a spark from the secondary winding across said gap, a member of conducting material of predetermined proportions mounted on said core and encircling a predetermined portion of said magnetic circuit for predeterminedly modifying the rate of change of the flux traversing the same to an extent sufficient for precluding premature sparking across said gap.

2,469,134
MANUFACTURE OF KNITTED WARE TRUE TO SHAPE
Fritz Seiler, Auvernier, Switzerland, assignor to Textile Researches Limited, Basel, Switzerland
Application June 25, 1946, Serial No. 679,140
In Switzerland July 2, 1945
1 Claim. (Cl. 66—177)



Method for producing finished shape knitted garments such as children's drawers or the like, provided with ornamental effects and reinforcements, comprising automatically knitting a left and a right half of the garment by producing rows of loops extending the entire length of the knitted piece and also shorter rows of loops arranged between other rows symmetrically with respect to the axis of the garment and forming areas of tapering shape and serving to effect the final correct shaping desired, and so as to produce patterns extending longitudinally of the garment.

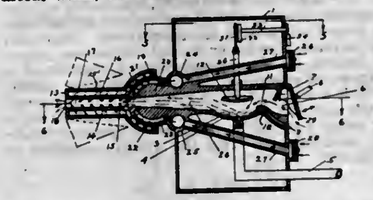
2,469,135
TRAY TYPE FUEL OIL BURNER
John T. Stone, Baltimore, Md.
Application November 18, 1944, Serial No. 564,149
2 Claims. (Cl. 158—91)



1. A liquid fuel burner unit of the class described comprising in combination, a fuel well structure for burning the fuel therein, including an inverted arcuate section of circular form open at the top, the central portion of the structure including a hollow stem having a conical apex and perforations through said apex to permit air for combustion purposes to flow therethrough from an extraneous source into the central portion of the structure above the flames induced by burning said fuel in said section portion, said structure including an orifice for the supply of fuel to the bottom of said section, a casing about the structure having openings for the supply of air to the area above the structure and along the periphery thereof, an angular baffle plate mounted on said casing and disposed peripherally above said structure and said openings and spaced closely thereto so as to divert the incoming air down along the wall of the structure to the fuel contained therein, the flow of flames induced by the burning of said fuel and the air together being directed by the air passing under said plate towards the central area of the structure and away from the peripheral portions thereof and into the path of the air flowing out of the apex portion of said stem, means on said casing for controlling the size of said openings and the flow of air therethrough from the outside of said unit, and means for vertically adjusting the position of the stem in the structure, the annular walls of said fuel well structure being upwardly divergent so as to widen the area of the fuel exposed for burning purposes as to increase the amount of flames generated in the combustion of the fuel and air as more fuel is raised in depth therein.

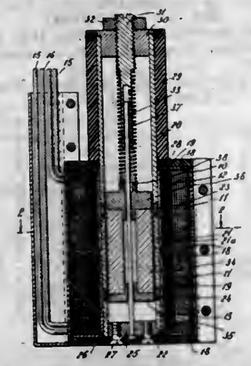
2,469,136
GUN TYPE BURNER
John T. Stone, Baltimore, Md.
Application November 18, 1944, Serial No. 564,150
3 Claims. (Cl. 158—91)

1. A burner of the class described comprising in combination a casing, a burner body mounted in said casing, said burner body having a tapered combustion chamber therein and a dished portion forming a fuel pan, means for supplying oil to said fuel pan, duct means for supplying primary air to said chamber, duct means for supplying secondary air to the burner, a gun tube pivotally attached to said burner body, said gun tube having concentric inner and outer cylindrical walls, the inner wall providing a channel



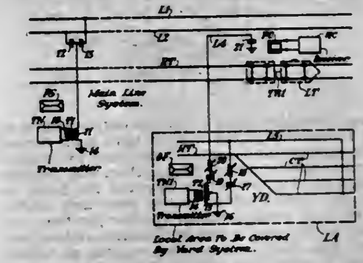
for passage of the flames from the burner body and the outer wall providing an outer chamber, concentric with the channel and aligned with said secondary air duct means, and the inner wall having openings therethrough to provide passages for the secondary air in the outer chamber to enter the inner passage and mix with the flames passing therethrough to complete the combustion.

2,469,137
VIBRATION INDICATOR
Eible C. Strong, Sunnyside, N. Y., assignor to Waugh Equipment Company, New York, N. Y., a corporation of Maine
Application October 20, 1945, Serial No. 623,595
7 Claims. (Cl. 171—119)



1. In a vibration indicator, the combination of a pair of aligned coaxial secondary windings one above the other, exciting means therefor adapted to be supplied with alternating current, the windings being connected so that their outputs are opposed, ferrous means partially enclosing the windings to provide magnetic paths for the respective windings, each path having a gap lying substantially half way between the ends of its winding and of substantially less length than the winding, an armature of ferrous material movable lengthwise of the windings and of a length substantially equal to the distance between the midpoints of the gaps along the axis of the windings, a tubular guide extending through the windings and terminating above the top of the upper winding, the armature lying within the guide, a member mounted in the guide above the upper winding and adjustable axially of the guide, and a spring within the guide attached at its upper end to the member, the armature being suspended from the lower end of the spring and normally lying with its ends opposite the mid-points of the windings.

2,469,138
TRANSMITTING APPARATUS FOR INDUCTIVE CARRIER RAILWAY TRAIN COMMUNICATION SYSTEMS
Burrows C. Van Glider, North Wales, Pa., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 30, 1947, Serial No. 764,608
5 Claims. (Cl. 246—8)

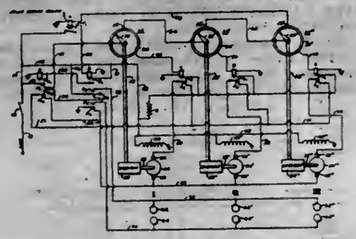


1. In combination, a stretch of main track of a railway, a train communication system for said railway using a longitudinal circuit of a line wire extending along said main track as an element of a transmitting channel having inductive relation to circuit elements mounted on a vehicle of a train operating over said main track, a local area along said stretch and having a track which a train vehicle may occupy, train communication means including a transmitter and a line wire along said local area track for inductive relation with circuit elements mounted on a train vehicle occupying said local area track, said transmitter operable to supply communication current having a given carrier frequency and connected to said line wire of said local area, an auxiliary circuit including an auxiliary line conductor disposed adjacent a given length of said longitudinal circuit and connected to said transmitter, and impedance elements interposed in said auxiliary circuit to determine the magnitude and phase angle of said communication current supplied to the auxiliary circuit for the energy inductively transferred to said longitudinal circuit from said auxiliary line conductor to substantially balance out the energy inductively transferred inadvertently to said longitudinal circuit from said line wire along said local area track.

2,469,139
ELECTRIC MOTOR CONTROL SYSTEM
Eric C. Wahlberg, Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application April 28, 1945, Serial No. 590,820
25 Claims. (Cl. 318—437)

22. In an electric system, a plurality of electric motors, a gear reduction unit driven by each motor, each unit having an output shaft, one of said motors driving a substantially greater load

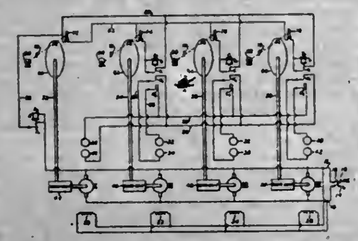
than the remainder of said motors, a source of electric current, switching means for controlling said current, automatic means responsive to actuation of said switching means for supplying current at a reduced voltage to said remainder of the motors to cause the latter to run independently of each other and at reduced speed, means responsive to the turning of the output shaft of each gear unit driven by said remainder of the motors to a predetermined angular position for interrupting the supply of current to the respective motor and for dynamically braking said respective motor,



means operative when all of the output shafts of said remainder of the motors have been turned to the predetermined angular positions for supplying current at a voltage higher than said reduced voltage to said one motor to cause the latter to turn the output shaft of the gear unit driven thereby to a predetermined angular position, and means responsive to the positioning of the last-mentioned shaft for supplying current at normal voltage to all of said motors to thereby start said remainder of the motors and to continue the operation of said one motor.

2,469,140
SYNCHRONIZING SYSTEM FOR GEARED MOTORS

Eric C. Wahlberg, Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application July 2, 1945, Serial No. 602,785
6 Claims. (Cl. 318—85)



6. In an electrical system, a plurality of electric motors, a gear reduction unit driven by each motor, each unit having an output shaft, a source of electric current, means for connecting said motors to said source to cause the motors to start substantially simultaneously and to come up to substantially full speed independently of each other, means for synchronizing all of the motors with respect to each other during their rotation at substantially full speed and without stopping any of them, and means for preventing the synchronizing of any of said motors before they have attained substantially full speed.

2,469,141
POLYSULFIDE POLYMER AND PROCESS OF MAKING

Robert O. Alexander, Trenton, N. J., assignor to Thiokol Corporation, Trenton, N. J., a corporation of Delaware
No Drawing. Application November 13, 1946, Serial No. 709,415
8 Claims. (Cl. 260—13)

1. A composition of matter having a continuous phase and a discontinuous phase the discontinuous phase comprising a non-colloidal dispersion of a polysulfide polymer in said continuous phase, the continuous phase comprising a solution of a resinous substance in a water insoluble liquid which is a solvent for the resin and a non-solvent for the polysulfide polymer, said polysulfide polymer being a synthetic polymer comprising recurring units selected from the group consisting of S_xRS_x and

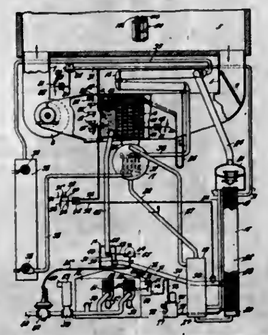
$$\begin{matrix} S_xR' & S_x \\ & S_x \\ S_xR' & S_x \end{matrix}$$

where S is a sulfur atom, x is a numeral varying from 1 to 3, R has a valence of two and R' has a valence of more than two, R and R' being radicals selected from the group consisting of

representing, respectively, adjacent carbon atoms and carbon atoms joined to and separated by intervening linkage, the ratio by weight of said polymer to the total weight of polymer, resin and water insoluble liquid varying from about 10 to about 60 per cent and the ratio of resin to polymer by weight varying from about 10 to about 100 per cent.

2,469,142
AIR CONDITIONING

Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application December 22, 1945, Serial No. 636,977
12 Claims. (Cl. 257—3)

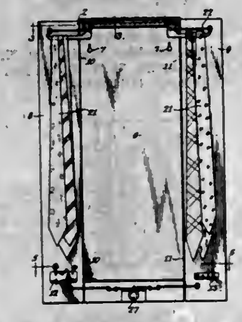


12. In an air conditioning system comprising heat exchange means, a blower for flowing air to be conditioned over said heat exchange means, a source of heat, selective control means for adjusting the system for operation by heat from said source to supply either a heating medium or a cooling medium to said heat exchange means, apparatus for removing heat from the system when the latter is adjusted for supplying cooling medium to the heat exchange means, and a

thermostatic device for delaying operation of both the blower and said heat removing apparatus, respectively, under supervision of said selective control means.

2,469,143
APPAREL-HANGER CABINET

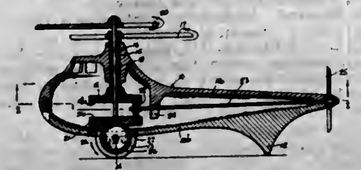
Michael Ascheri, Lorain, Ohio
Application September 29, 1945, Serial No. 619,287
5 Claims. (Cl. 312—174)



4. In a cabinet having a mirrored front wall and a rear wall spaced therefrom, a pair of side doors hinged to said rear wall, converging tracks mounted within said cabinet, a pair of carriages each comprising a hanger movable along one of said tracks, connections between said carriages and doors respectively and mechanism for actuating said doors and hangers in unison.

2,469,144
TOY AIRPLANE

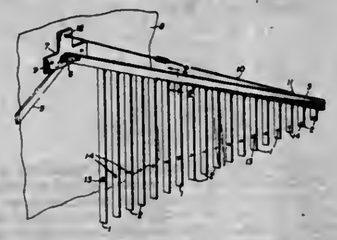
Edmund W. Baggott, Brooklyn, N. Y., assignor to Ideal Novelty & Toy Co., Hollis, N. Y., a corporation of New York
Application November 13, 1946, Serial No. 709,476
1 Claim. (Cl. 46—75)



A toy airplane which has a hollow body which is provided with an upstanding bearing, a hollow upstanding shaft located in said bearing and extending above said body, an inner upstanding shaft extending through and above said hollow shaft, said shafts having respective superposed propellers above said body, a hollow-shaft rotor fixed to said hollow shaft below said bearing, said hollow-shaft rotor having a bore, said inner shaft extending through and below said bore, an inner-shaft rotor fixed to said inner shaft below said hollow-shaft rotor, said body having a wheel-shaft turnably connected thereto at its bottom, wheels fixed to said wheel shaft, said wheel-shaft having a wheel-shaft driving rotor which extends upwardly into said hollow body, said inner-shaft rotor abutting said wheel-shaft rotor, a longitudinal propeller shaft which extends longitudinally through said body and which has a propeller fixed thereto externally of said body, an intermediate rotor fixed to said longitudinal propeller shaft and abutting the underside of said hollow-shaft rotor and the upper side of said inner-shaft rotor, said intermediate rotor being spaced from the common axis of said hollow shaft and said inner shaft, all said rotors being located in said hollow body, said wheel-shaft rotor being a support for said other rotors.

2,469,145
JUMP MEASURING DEVICE

Doyle D. Baliff, East Gary, Ind.
Application August 19, 1948, Serial No. 45,106
4 Claims. (Cl. 272—59)



4. A jump measuring device for attachment to an upright support and use to indicate the height at which a person can jump upwardly off a floor comprising a series of foot and inch indicating flat bars graduated in length throughout the series, means to swingably suspend said bars by corresponding ends thereof in edge to edge spaced apart relation with lower ends stepped upwardly from the longest bar for striking by the hand of persons jumping to different heights from the floor to swing the bars sidewise and thus identify the bars struck, the longest bar and intermediate bars of the series being foot indicating bars designated on one side to indicate in numbers of feet different heights from the floor in consecutively numbered ascending order beginning with the longest bar, the other bars being inch indicating bars designated on one side thereof to indicate in numbers multiples of inches in a foot arranged in ascending order from the foot indicating bars for supplementing in inches the foot indications on said foot indicating bars.

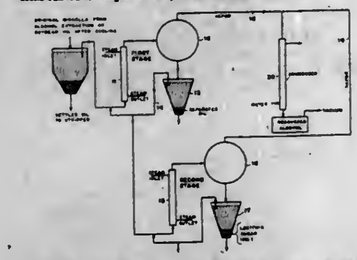
2,469,146
STEEL HELMET

Raleigh H. Barnes, deceased, late of Cleveland Heights, Ohio, by Miriam M. Barnes, executrix, Cleveland Heights, Ohio, and Harold J. Elmendorf, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Original application December 18, 1943, Serial No. 514,844. Divided and this application December 19, 1946, Serial No. 717,134
7 Claims. (Cl. 2—3)



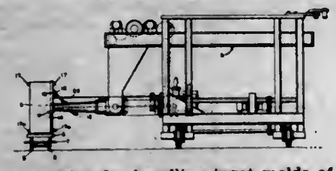
3. In a steel helmet, a crown and a brim, said crown being of greater hardness than said brim.

2,469,147
PROCESS FOR THE RECOVERY OF OIL AND BY-PRODUCTS FROM ALCOHOLIC SOLUTIONS OF OLEAGINOUS MATERIALS
Arthur C. Beckel, Peoria, and Paul A. Belter, Pekin, Ill., assignors to the United States of America as represented by the Secretary of Agriculture
Application April 18, 1945, Serial No. 589,006
11 Claims. (Cl. 260—412.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



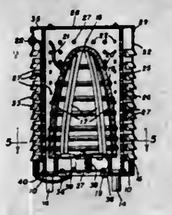
1. In a process of extracting vegetable oils and lecithin from soybean seed material containing them, wherein the soybean seed material is extracted with a hot alcoholic solvent, and the alcoholic extract cooled to separate part of the vegetable oil, leaving an extract containing residual oil, in combination therewith, the improvement comprising a multi-stage continuous process of recovering the alcohol and removing the residual oil and lecithin from the extract, the first stage of said continuous process comprising continuously vaporizing the alcohol to concentrate the extract to cause the continuous separation of vegetable oil while hot, removing the oil from the concentrated alcoholic extract while hot, recycling part of the latter extract to the first stage vaporizing step, the second stage of the said continuous process comprising withdrawing part of the said concentrated alcoholic extract from which the oil was removed as aforesaid and subjecting it to further concentration by evaporation of alcohol to cause the lecithin to separate, the first stage alcohol evaporation and oil separation being controlled to prevent concentration to the point where separation of lecithin would take place in the first stage, the separation of the vegetable oil in the first stage from the concentrated extract being carried out at substantially the temperature of the first stage alcohol evaporation step, the latter evaporation step being at subatmospheric pressure.

2,469,148
INGOT MOLD CLEANER
George H. Bivens, Johnstown, Pa.
Application April 29, 1946, Serial No. 665,651
3 Claims. (Cl. 214—1)



1. Apparatus for handling ingot molds of the type having lugs arranged in pairs on opposite sides thereof, comprising a tool embodying a pair of members slidable relative to one another and respectively having one end thereof adapted to engage a lug of the mold, one of said tool members being positively secured to the free end of the charging bar of a furnace charging machine, and said members being complementarily equipped to be engaged by the connecting pin slidably carried by the charging bar to be secured thereby at the desired position of adjustment relative to one another.

2,469,149
SPACE HEATER
Horace L. Blackwelder, Salisbury, N. C.
Application February 20, 1947, Serial No. 729,872
3 Claims. (Cl. 219—39)



1. A space heater comprising a ring-shaped trough adapted to contain water, a perforated porous tubular humidifier rising from the trough with the lower end thereof immersed in water contained in said trough, a heating unit supported on the trough near the humidifier whereby air heated by the heating unit and passing through the perforations in the humidifier will be moistened, and a motor driven fan supported by the trough near the lower end of the humidifier to produce a flow of air axially of the humidifier and around the heating unit.

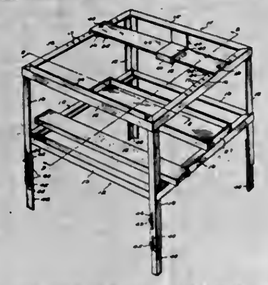
2,469,150
WIRE COATING COMPOSITIONS
Willis E. Boak, Burton, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application September 4, 1947, Serial No. 772,205
3 Claims. (Cl. 106—228)

1. A coating composition adapted to produce a rust resisting coating on an iron wire, which consists of the following constituents in substantially the proportions indicated:

Soft red iron oxide	lbs.	140
Fibrous magnesium silicate	lbs.	38
Litharge	lbs.	19¼
Aluminum stearate	lbs.	1 to 4
Congo-linseed oil varnish of 15 gallon oil length	gallons	80
Varnish Maker's and Painter's Naphtha	do	12½

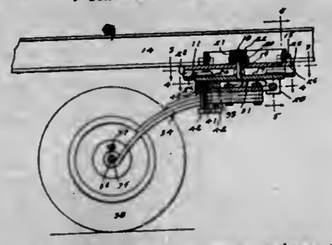
2,469,151
AUTOMOBILE DOOR REPAIR BENCH
Richard Bremer, Muskegon, Mich.
Application September 18, 1946, Serial No. 697,757
9 Claims. (Cl. 153—32)

1. A repair bench of the class described comprising a frame having vertical legs at the corners, an upper frame and a lower frame connected to said legs in spaced parallel relation at the top and intermediate portions of the height of the legs, a cross-bar adjustably secured to the side cross-bars of the upper frame, a bracket slidably disposed on said cross-bar and having an upstanding portion, means for securing the bracket on the cross bar to resist pressure exerted



against the face of the upstanding portion, a flange at the front of the top frame, means disposed on said flange for supporting a door between the flange and bracket means for supporting a jack on the lower frame including a bar slidable along the lower frame at the sides thereof.

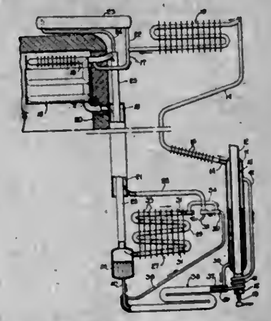
2,469,152
TRAILER DOLLY
Howard Payton Brown, Meridian, Miss.
Application July 10, 1946, Serial No. 682,649
7 Claims. (Cl. 16—44)



1. In a trailer dolly or truck, a base plate adapted to be secured to a trailer frame or chassis, a spring support formed of swingably connected hinge sections, one of the hinge sections being secured to said base plate and disposed therebeneath, a leaf spring secured at one end to the other hinge section and projecting outwardly and downwardly therefrom, said last mentioned hinge section being disposed beneath the first mentioned hinge section, an axle keyed to the opposite, free end of said spring and adapted to journal a ground engaging wheel thereon.

2,469,153
ABSORPTION REFRIGERATING SYSTEM
William L. Bulkley, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application December 27, 1944, Serial No. 569,937
2 Claims. (Cl. 62—119.5)

1. An absorption type refrigerating system having a circuit for gravity circulation of inert gas including an evaporator and an absorber, and a circuit for absorption liquid including said absorber and a generator, said evaporator having a low temperature freezing section and a higher temperature air cooling section, said absorber being constructed and arranged for flow of gas therethrough unobstructed by liquid flowing therein, one section of said absorber having a greater resistance to gas flow therethrough than other sections of the absorber, and said circuits being so constructed and arranged that liquid



first enters said absorber through said high resistance section and flows only concurrent with the gas in this section but countercurrent with gas in the other sections, the direction of flow in said high resistance absorber section being such that circulation of gas in the gas circuit involves flow of gas from said evaporator freezing section to said evaporator air cooling section.

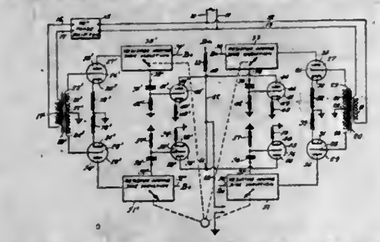
2,469,154
PREPARATION OF ORGANO-SILICON COMPOSITIONS CONTAINING RAPIDLY POLYMERIZABLE OLEFINIC DOUBLE BONDS
Raymond H. Bunnell and David B. Hatcher, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application April 30, 1946, Serial No. 24,436
16 Claims. (Cl. 260—46.5)

1. A method of producing vinylphenylhalosilanes that comprises pyrolyzing a silane whose molecule consists of a silicon atom to which are attached three halogens, each having an atomic weight less than 40, and one (haloethyl) phenyl radical in which the halogen substituent has an atomic weight between 20 and 100.

2,469,155
VARIABLE PHASE SHIFTER
William H. Bussey, Chicago, Ill., assignor to M-K Enterprises, Inc., Chicago, Ill., a corporation of Illinois
Application February 1, 1947, Serial No. 725,764
3 Claims. (Cl. 323—119)

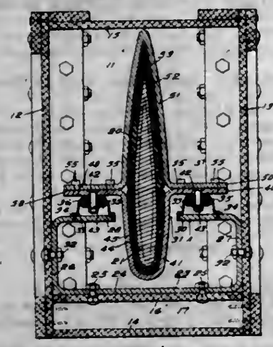
1. A continuously variable phase shifter having a substantially constant amplitude at the output and being substantially independent of frequency, said shifter comprising a pair of push-pull amplifiers, each push-pull amplifier having a pair of vacuum tubes arranged to form a push-pull amplifier and having inputs and outputs, a resistance device for each vacuum tube, said device having manual means for varying the same to provide an output potential sinusoidally related to the manual variation, means for connecting a device in the circuit of a corresponding vacuum

tube to control the output thereof, means for combining the outputs of all devices into one system output terminal, all said devices being similar and having their manual controls coupled together for common movement, the controls for the devices for one push-pull amplifier being 180 degrees out of phase with each other with regard to adjustment, the controls for the devices corre-



sponding to the other push-pull amplifier being also 180 degrees out of phase with each other, the controls for the devices for one push-pull amplifier being 90 degrees out of phase with the controls for the other push-pull amplifier, means for supplying alternating potentials to the input of one push-pull amplifier, and means for supplying similar alternating potentials 90 degrees out of phase to the input of the other push-pull amplifier.

2,469,156
PACKAGING
Louis H. Cargill, Jenkintown, Pa., assignor to Specialty Packaging Company, Prospect Park, Pa., a partnership
Application August 14, 1947, Serial No. 768,698
1 Claim. (Cl. 206—46)



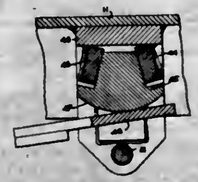
A package for rotor blades having an airfoil section and a reduced mounting portion, comprising a generally oblong box, a pair of generally C-shaped frames mounted in longitudinally spaced relation transversely in the box with the open side of the C-shaped frames extending upwardly to form transversely spaced supporting arms generally parallel with the bottom of the box, a permanent airfoil section-receiving element comprising a pair of generally aligned spaced wing elements connected by a trough of partial airfoil shape bent downwardly out of the line of the wings in the space between the said supporting arms and toward the closed opposite side of the frame, means for isolatingly mounting the said wings on the said arms in a substantially shock-proof mounting, a yielding layer disposed in said trough in position to receive and to be compressed by an edge of the airfoil section of the blade, a complemental detachable airfoil section engaging element comprising a pair of generally aligned spaced wing elements connected by a trough bent upwardly out of the line of its said wings, a layer of yielding material disposed in the last mentioned trough and arranged to be compressed by the other edge of said airfoil section when the complemental element is pushed upon the blade, means connecting the respective juxtaposed wings to establish clamping of the airfoil section of the blade, means for resiliently clamping the reduced mounting portion of said blade, and means for mounting the last mentioned means isolatingly upon the other of said pair of C-shaped frames.

2,469,157
THERMOSETTING UREA-FORMALDEHYDE COMPOSITION
David E. Cordier, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application February 4, 1946, Serial No. 6,343
5 Claims. (Cl. 260—17.3)

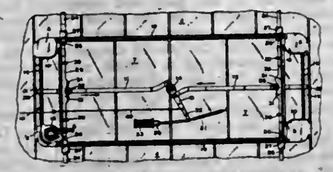
1. A dry thermosetting composition comprising a urea-formaldehyde reaction product and a potentially acid substance consisting of a monoester of benzyl sulfonic acid with an alcohol selected from the class consisting of (1) borneol, (2) menthol, (3) unsubstituted saturated aliphatic monohydric and dihydric alcohols having from two to eight carbon atoms, (4) mono-ethers of (a) unsubstituted saturated aliphatic monohydric alcohols having from one to five carbon atoms and unsubstituted monohydric phenols having from six to sixteen carbon atoms and having not more than two side chains each of which is saturated and contains not more than five carbon atoms with (b) unsubstituted aliphatic dihydric alcohols having from two to five carbon atoms, (5) polyethylene glycols having from two to four ethylene groups, and (6) mono-substituted hydrocarbons of the benzene series having from eight to twenty-one carbon atoms and having from one to three side chains each of which is saturated and contains not more than five carbon atoms, the substituted carbon atom being attached only to one hydroxy group, from one to two hydrogen atoms and from one to two exocyclic carbon atoms.

2,469,158
SPRING LOADING MEANS
Joseph H. De Frees, Warren, Pa., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa., a corporation of Pennsylvania
Application July 19, 1944, Serial No. 545,619
1 Claim. (Cl. 267—56)

In leaf spring suspension means interposed between an axle and frame of a vehicle, and wherein a free end of a leaf spring is reciprocably movable with respect to a fixed point on said frame, said reciprocating movement being responsive to spring flexure resulting from fluctuations in load application, novel spring loading means comprising, in combination, a bearing surface on said leaf spring near said free end thereof, an inverted U-shaped bracket fixed on said frame and having a pair of spaced legs extending downwardly and straddling said free end of said spring, seating means consisting of a pair of spaced seating blocks extending transversely between said legs, and fixed with respect thereto, and having downwardly divergent inner wall portions to form a wedge-like seat, a loading block having a wedge-like stem portion nestable in said seat, and having a bearing portion in sliding contact with said bearing surface on said spring, said loading block being held in position by spring thrust resulting from loading flexure of said spring, but said loading block being adapted to drop by gravity from its said seat when said loading flexure is relieved.



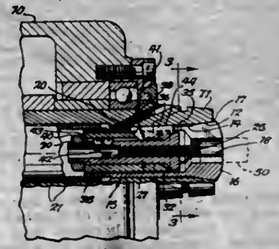
2,469,159
PASSENGER ESCAPE FOR VEHICLES
Joseph R. Dombrowiak, Portland, Oreg.
Application May 17, 1946, Serial No. 670,571
2 Claims. (Cl. 292—33)



1. A passenger escape for motor vehicles, the vehicle being formed with an escape opening leading to the exterior of the vehicle, a closure for said opening, an outstanding flange on the vehicle surrounding the edge of the opening, a depending flange on the closure adjacent the outstanding flange, springs underlying the closure and bearing on the depending flange to be tensioned when the closure is in closed position and to exert an initial opening of the closure when free to act, a lever pivoted to the closure, locking rods carried by the closure, said locking rods having their inner ends pivoted to the lever, the outer ends of the locking rods underlying the edges of the walls of the escape opening, bars mounted to the underside of the closure and extending transverse the locking rods, means carried by the vehicle and operative under sufficient contact thereof externally of the vehicle to engage and operate the slidable bars, and cooperating means on the slidable bars, and locking rods to move said locking rods from the edges of the walls of the opening in operation of the slidable bars.

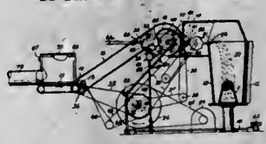
2,469,160
WORK STOP FOR USE WITH COLLETS
Leigh R. Evans, Elmira, N. Y., assignor to Hardinge Brothers, Inc., Elmira, N. Y.
Application September 12, 1947, Serial No. 773,542
12 Claims. (Cl. 279—51)

2. In a work stop device for use with a machine having a rotary spindle and a collet extending into said spindle and having spring fingers spaced apart by slots, that improvement which comprises locking parts extending through said slots, a pair of relatively movable members having portions engaging said locking parts to move the same outwardly into engagement with said spindle, means for moving said movable members relatively to each other to wedge said



locking parts in engagement with said spindle, one of said members having a work stop associated therewith, said locking parts, when in their operative positions in a spindle being spaced from the ends of said slots to permit movement of said collet into and out of work gripping positions.

2,469,161
AUXILIARY FEEDER FOR HAT FORMERS
Herbert F. Fitch, Norwalk, Conn.
Application January 4, 1945, Serial No. 571,266
14 Claims. (Cl. 19—67)



1. In a device of the character described, a feeder for hat formers including a movable conveyor, means for transferring fur from the conveyor to the former, and an auxiliary feeder for feeding fur to the conveyor comprising a housing over the conveyor, a blower for separating the fur and feeding it to the housing including a second housing and a tooth studded drum and suction fan in said second housing, a conduit leading from the fan to the first housing, and means for feeding fur to the second housing and drum including an inclined chute leading to said housing, a closure controlling the entrance to the housing, and a slowly rotating toothed cylinder in the chute adjacent the closure to control passage of the fur down the chute.

2,469,162
RADIO-FREQUENCY DISTRIBUTION TRANSFORMER
John B. Gehman, Haddonfield, and Alfred H. Turner, Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application October 12, 1946, Serial No. 702,986
11 Claims. (Cl. 175—359)

1. A wide frequency band coupling transformer comprising at least two concentric cylindrical shields, a magnetic structure, interleaved windings completely enclosed within said magnetic structure, connections from opposite ends of said windings to the inner one of said shields,

a connection from the remaining end of one of said windings to another of said shields, output terminals connected between two of said shields to minimise winding lead inductance effects, and



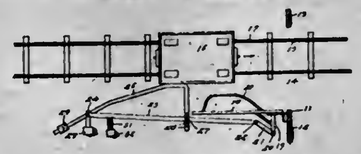
input terminals connected between one of said shields and the remaining end of another of said windings, the separation between said shields being selected to minimise surge impedance discontinuities.

2,469,163
CANDLEHOLDER
Chace D. Gilmore, West Chester, Pa.
Application July 16, 1947, Serial No. 761,243
1 Claim. (Cl. 67—27)



A candle holder consisting of a hollow tubular housing made of non-inflammable material and adapted to receive and wholly enclose and conceal a wax candle except for the upper tip thereof; said housing having a tapered upper end with a central opening for the upper tip of the candle so that the candle wick may project outside of the housing; the tapering of the upper end being sufficient to form abutment surfaces for the upper end of the candle; a candle pusher provided with a seat at its upper end to receive the lower end of the candle, said pusher being received within and freely slidable inside the housing; said pusher having tapered side walls so that it may be received within the tapered upper end of the housing when the candle is almost completely consumed; a coil spring within the housing below the pusher; means to connect the coil spring with the pusher so that the pusher is moved upwardly thereby; a closure plug adapted to close the lower end of the housing; and means to hold the closure plug within the lower end of the housing by friction; the upper end of the closure plug providing an abutment for the lower end of the coil spring.

2,469,164
MINE TRAP DOOR
Lawrence H. Hawkes, Cannelton, W. Va.
Application November 5, 1945, Serial No. 626,728
2 Claims. (Cl. 246—304)



2. In combination with an outwardly opening hinged door, a bracket arm secured to and projecting from the outer side of the hinged door, a link pivotally connected at one of its ends to the free end of the bracket arm and extending therefrom generally at an oblique angle thereto in the closed position of the door and in a horizontal plane, a lever having one end pivotally connected to the opposite end of the link, a post on which the opposite end of the lever is pivotally mounted for swinging movement in a horizontal plane and which is disposed remote to the door and on the outer side thereof, said link, lever and bracket arm being arranged to swing the door to an open position when the lever is swung in one direction on its last mentioned pivot, and a bumper pivotally mounted on the post and connected to the intermediate portion of the lever, said bumper having a portion extending generally toward the door and adapted to extend diagonally into the path of movement of a vehicle moving toward the outer side of the door to be engaged and swung thereby out of the path of movement of the vehicle for swinging the lever in the direction for opening the door, said link extending from the bracket arm in a direction toward said path of movement for exerting substantially a direct thrust against the bracket arm at an oblique angle to its axis for rapidly moving the door to an open position during the initial swinging movement of the lever away from said path of movement.

2,469,165
CORRECTION DEVICE FOR ELECTRON LENSES
James Hillier, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 29, 1946, Serial No. 706,342
5 Claims. (Cl. 250—49.5)



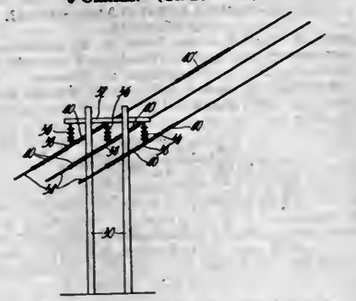
1. Apparatus for compensating for mechanical and electromagnetic assymmetries between the electromagnetic structure and pole pieces in an electron lens employed for focusing an electron beam, including an electromagnetic field aligning element concentric with said beam in the region substantially entirely within said structure and coaxial with one of said pole pieces.

2,469,166
BINDING MEANS FOR LOOSE LEAVES
Harry Li Castri, New York, N. Y.
Application August 17, 1945, Serial No. 611,137
3 Claims. (Cl. 129—18)



1. Binding means for loose pages, comprising a pair of superimposed slidably connected strips, the bottom one of said strips having a plurality of longitudinally spaced transverse loop portions, and the top one of said strips having a plurality of complementary loop portions normally disposed beneath said loop portions, and when said strips are relatively shifted said loop portions are separated to engage the ends of slots in loose leaf pages.

2,469,167
VIBRATION DAMPER
Jess C. Little, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 11, 1946, Serial No. 676,064
6 Claims. (Cl. 174—42)



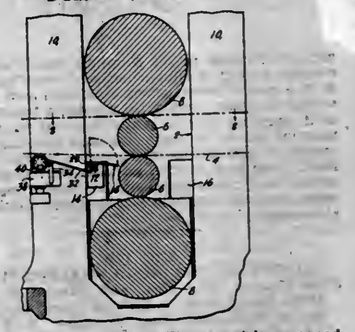
6. The combination, with an elongated relatively thin member mounted so as to be subject to vibration, of a vibration damper affixed thereto, said damper comprising a plurality of elongated tubes, each tube having end closures and having a quantity of small particles of hard material within it sufficient to fill a substantial part of the space but to leave a substantial free space therein, each of said tubes being disposed along the elongated member so as to be in contact therewith throughout substantially their entire length.

2,469,168
LOOP-ANTENNA TUNING SYSTEM
Bernard D. Loughlin, Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application December 17, 1946, Serial No. 716,855
7 Claims. (Cl. 250—20)



1. A loop-antenna tuning system comprising: an inductor; a loop antenna effectively coupled across at least a portion of said inductor to provide therewith a composite value of inductance; a condenser, including a capacitance-adjusting element, coupled across said inductor to provide a parallel-resonant circuit having a predetermined Q at a frequency within a range of operating frequencies; and an inductance-adjusting element, associated with said inductor and mechanically coupled to said capacitance-adjusting element for movement in unison therewith to tune said circuit over said range, having a configuration and movement so related to the configuration and movement of said capacitance-adjusting element as to maintain over said range a ratio of composite inductance to capacitance for said circuit varying in opposite sense to any variations of Q thereof from said predetermined value of Q to maintain the figure of merit of said system substantially constant with said tuning of said circuit.

2,469,169
STRIP GUIDE
Glenn R. Markle, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application March 1, 1945, Serial No. 580,404
1 Claim. (Cl. 80—51)

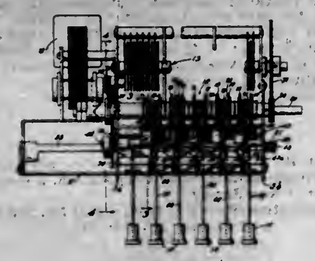


A guide for a rolling mill comprising spaced brackets, an elongated angle iron cross bar supported at each end by said brackets, and having a horizontal leg and a vertical leg depending from said horizontal leg, said horizontal leg furnishing a flat upper face throughout the length of the cross bar, a substantially flat strip guiding member, hinge means at the juncture between said legs mounting said guiding member for swinging movement on said cross bar, wherein said guiding member has an operative position resting on the flat upper face of said cross bar and is movable about said hinge means to an inoperative position, and a stop bar protruding horizontally from said vertical leg beneath said hinge means and limiting movement of said guiding member into its inoperative position.

2,469,170
CONTROL APPARATUS FOR TUNERS
Edward J. Mastney, Berwyn, and John H. Williams, Chicago, Ill., assignors to Oak Mfg. Co., Chicago, Ill., a corporation of Illinois
Application December 10, 1945, Serial No. 633,992
8 Claims. (Cl. 192—150)

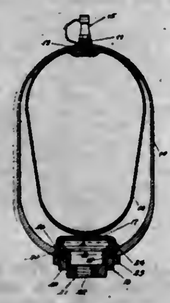
1. In combination, a preselector unit including a shaft, said unit having two oppositely driven

members cooperating with a member rigid on said shaft and being adapted to lock when the shaft is in a home position, an electric motor and gear train and power coupling means for selectively supplying power to said unit, a switch for controlling said motor, means for mounting at least part of said gear train on a movable bracket, means for maintaining said bracket in a normal position when said motor is not stalled, said bracket being movable from its normal position by motor torque when said motor is stalled by said unit reaching a home position, means



connecting said power coupling means and said electric switch so that when said coupling means is in a power transmitting condition said electric switch is closed, means for normally maintaining said coupling means in an inoperative position, manual means for rendering said coupling means operative and means responsive to bracket movement from said normal position for opening said switch, said coupling means becoming inoperative when said electric switch is opened upon bracket movement.

2,469,171
ACCUMULATOR SHELL SEALING PLUG
Jean Mercier, New York, and Edward M. Greer, West Hempstead, N. Y.; said Greer assignor to Greer Hydraulics, Inc., Brooklyn, N. Y.
Application July 6, 1945, Serial No. 603,546
3 Claims. (Cl. 138—30)



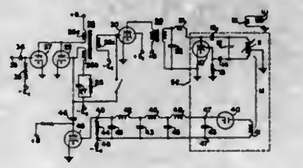
1. In an accumulator comprising a shell having two ports, a deformable partition secured within said shell separating said two ports from each other, a strainer plug placed inside the larger of said ports, a split spring locking ring of greater diameter than said largest port placed inside said port, means to secure said strainer plug and locking ring in juxtaposition with the said shell at the periphery of the large port.

2,469,172
WITHDRAWN

2,469,173
PROCESS OF SEPARATING DOISYNOLIC ACIDS AND INTERMEDIATES THEREFOR
Karl Miescher, Riehen, and Rudolf Rometsch, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application April 22, 1947, Serial No. 743,194. In Switzerland April 30, 1946
8 Claims. (Cl. 260—473)

1. In a process for the production of the separated pure optical antipodes of optically active compounds, the step of treating a member of the group consisting of a racemic doisynolic acid and reactive derivatives thereof, wherein the phenolic hydroxyl group is protected, with an optically active alicyclic alcohol, whereby a mixture of separable diastereoisomers is produced.

2,469,174
PULSE-MODULATED WAVE-SIGNAL GENERATOR
Jasper J. Okrent, Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application June 6, 1945, Serial No. 597,777
9 Claims. (Cl. 250—36)



1. An arrangement for generating wave signals of pulse wave form comprising, a wave-signal oscillation generator having an output circuit and normally maintained in a nonconducting condition, means for supplying to said generator a control pulse effective to initiate and sustain oscillations therein to produce a wave signal, a time-delay system coupled to said output circuit of said generator to be responsive to the initiation of said oscillations for deriving a control potential and for utilizing said control potential effectively to interrupt said control pulse and restore said generator to its normal nonconducting condition a predetermined time interval following the initiation of said oscillations, and means for deriving from said generator an output wave signal of pulse wave form, each pulse of which has a duration corresponding to said predetermined time interval.

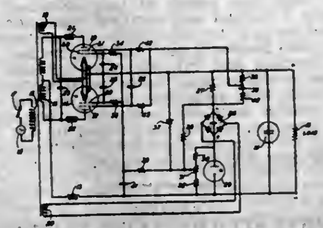
2,469,175
MATTRESS
Louis Paransky, Pittsburgh, Pa., assignor to The Star Bedding Co., a partnership
Application November 28, 1944, Serial No. 565,469
1 Claim. (Cl. 5—351)

A mattress comprising a ticking including top and bottom sheets, end and side walls, longitudinally extending reinforcing strips stitched to the top and bottom sheets of said ticking, coil springs arranged in transverse and longitudinally extending rows and mounted vertically in the ticking between the upper and lower reinforcing strips, pairs of ropes connecting each row of springs to the top and bottom sheets of said ticking, one end of one of each pair of ropes passing through an end wall and secured to the end of the other of the pair of ropes, and said ropes looped around intermediate coils of the springs adjacent one wall, one of said ropes then passing upwardly and the other downwardly in said adjacent coil springs, each looped through the sheets and the reinforcing strips, said ropes



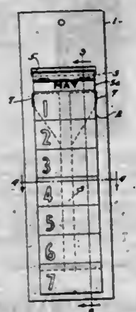
then looped around the adjacent end coils of the springs and then passed to the next adjacent longitudinally aligned springs and secured thereto by being looped through the adjacent sheets and reinforcing strip and about the adjacent upper and lower coils of the last-mentioned spring, said ropes then successively secured in a like manner to each spring in a longitudinal row to the last one adjacent the end wall opposite said one end wall, said last springs having the ropes then looped around intermediate coils thereof and said opposite end wall having the opposite end of the one of each pair of ropes passed therethrough and fixed to the opposite end of the end of the other of the pair of ropes.

2,469,176
CURRENT SUPPLY APPARATUS
James A. Potter, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 18, 1946, Serial No. 662,953
6 Claims. (Cl. 175—363)



1. In combination a space discharge device having an anode, a cathode and two control electrodes, a first circuit connecting said anode and said cathode including a load to which current from a source is supplied through said first circuit when said device conducts space current, a shunt current path connected across said load, means in said shunt path for supplying current thereto, means for connecting a first of said control electrodes to said path for impressing thereon a changing potential with respect to the potential of said cathode for preventing the flow of space current in said device during an initial period commencing at the time that the supply of current to said shunt path is initiated and for causing space current to flow subsequent to said initial period, and means for connecting the second of said control electrodes to said shunt path for impressing thereon subsequent to said initial period a potential with respect to the potential of said cathode having variations corresponding to load voltage changes for causing said load voltage changes to be minimized.

2,469,177
FOLDABLE LEAF MEMORANDA CALENDAR HAVING A POCKETED BACKING MEMBER
Paul E. Ruffner, Columbus, Ohio
Application June 4, 1945, Serial No. 597,441
2 Claims. (Cl. 40—119)



1. A foldable leaf calendar comprising: a backing composed of a flexible sheet, a pad formed of a plurality of foldable leaves attached at their upper edges only to said backing in depending order on the front thereof, said backing immediately above the upper edge of said pad being formed with an unobstructed transversely extending slot of a width for the insertion therethrough of the pad leaves, said backing immediately below said slot being formed with a transversely extending one-piece web whose upper edge is exposed at the slot and a central longitudinal tongue strip extending from and below said web approximately the length of said leaves and connected at its lower end to the backing, said backing including slits to form the side edges of the tongue strip and to provide a flexible wing on each side of said tongue strip, the upper ends of the wings being free of said web, said wings in conjunction with said tongue strip forming a pocket to receive used leaves of said pad which are folded upwardly from normal pendent positions at the front of the backing and then passed through said slot and then directed downwardly so that the folded leaves may cross the rear surface of said web and be disposed between the front surfaces of said wings and the rear surface of said tongue strip.

2,469,178
SQUARE SECTION CABLE FOR POWER TRANSMISSION
Jacinto Folch Salvans, Barcelona, Spain
Application September 24, 1945, Serial No. 618,164
In Spain August 1, 1945
2 Claims. (Cl. 87—6)

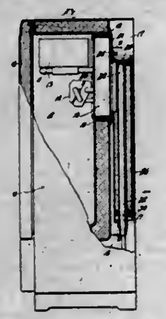
1. A cable for power transmission including a plurality of sections arranged together in such manner as to be rectangular in cross section, each cable section including a longitudinally ex-

tending threaded core, an inner threaded covering spirally wound about the core, an outer threaded covering also spirally wound about the inner covering and in an opposite direction to the spiral winding of the inner covering and the threaded core and the inner and outer



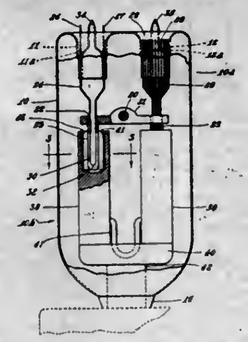
threaded coverings being each composed of a plurality of longitudinally stretched and parallel arranged threads and a covering composed of a plurality of threads arranged side by side to present a tape-like formation which is spirally wound about the longitudinally extending threads.

2,469,179
REFRIGERATION
Albert Schultze, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application November 7, 1947, Serial No. 784,597
5 Claims. (Cl. 62—119.5)



1. A refrigerator including a food storage compartment, a vertical flue exterior of said food storage compartment at the rear thereof and a closure member between said food storage compartment and said flue, said closure member including a mounting plate provided with an opening therein, a refrigerating system for cooling said food storage compartment, said refrigerating system including an evaporator in said food storage compartment, a gas heat exchanger in said flue, and means for insulating said gas heat exchanger, said insulating means including a channel member attached to said mounting plate and provided with an opening therein, which opening is aligned with the opening in the mounting plate, said channel member being provided with a contiguous flange along the periphery thereof, a casing mounted on said channel member and adapted to cooperate therewith to encompass said heat exchanger in spaced relation therewith, means for attaching said casing to said channel member, closure members for closing each end of said casing, and insulating material within said casing.

2,469,180
SELF-CONTAINED HIGH-FREQUENCY OSCILLATOR
Alexander Senauke, Brooklyn, N. Y., assignor to Amperex Electronic Corp., Brooklyn, N. Y.
Application May 10, 1946, Serial No. 668,711
5 Claims. (Cl. 250—27.5)

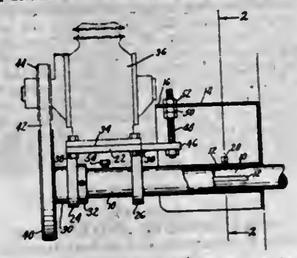


1. A high frequency oscillator tube adapted to generate electrical oscillations at a predetermined operating frequency comprising, an evacuated envelope having a portion of insulating material, a U-shaped radio frequency line of high thermal and electrical conductivity within said envelope and having anode end portions, said line having an electrical length between said end portions tuned substantially to an odd multiple half wave length at said operating frequency, a thermal and electrical conductor connected to said line at a point of substantially zero radio frequency potential intermediate said end portions and extending through said envelope portion in hermetically sealed relationship therewith, heat dissipating means in good thermal contact with said conductor externally of said envelope, and means coupled to said conductor to connect a direct potential to said conductor externally of said envelope.

2,469,181
POWER ATTACHMENT FOR TRACTORS
Peter J. Slater, East Hartford, Conn., assignor to The South Windsor Manufacturing Company, South Windsor, Conn., a corporation of Connecticut
Application June 14, 1947, Serial No. 754,627
4 Claims. (Cl. 74—15.6)

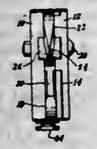
1. In a power attachment for a tractor having a rearward projecting power take-off shaft and having a guard partly surrounding the take-off shaft which guard extends rearward beyond the rear end of the shaft and is open at the rear, the combination of a longitudinal transmission shaft which is adapted at its front end to extend forward within the guard and which is hollow at its said front end and adapted to fit around

the rear end of the take-off shaft so as to be at least partly supported by the latter, means for connecting the transmission shaft at its said front end with the take-off shaft for rotation in unison therewith, a platform positioned closely adjacent the rear portion of the transmission shaft and provided with bearings in which the said rear portion of the shaft is rotatable, the said platform being at least partly supported on the transmission shaft when the latter is connected with



the take-off shaft and having a substantially flat face for supporting a power driven device and the said platform when the transmission shaft is so connected being behind a transverse plane through the rear of the guard so that a power driven device positioned on the platform is at the rear of the guard, and a member connected with the transmission shaft adjacent the platform for engaging an element adapted for transmitting power from the said shaft to a power driven device supported on the platform.

2,469,182
PNEUMATIC CLIPPER
Peter J. Slater, East Hartford, Conn., assignor to The South Windsor Manufacturing Company, South Windsor, Conn., a corporation of Connecticut
Application March 27, 1946, Serial No. 657,504
18 Claims. (Cl. 30—228)



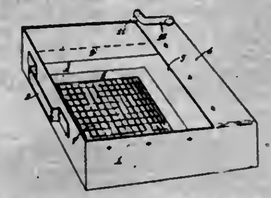
18. A pneumatic clipper comprising in combination, a main housing having a chamber therein, the said housing having a longitudinally extending air passage therein communicating at one end with the chamber and having a recess extending transversely of and intersecting the air passage and extending to the housing exterior, means for connecting the other end of the air passage with air pressure means, an abutment jaw rigidly connected with the housing and projecting therefrom at one end, a cutting jaw pivotally connected with the housing and projecting therefrom at the last said end in adjacent cooperative relationship with the abutment jaw, a blade pivotally movable within the housing chamber and operatively connected with the pivoted cutting jaw, the said blade having cooperative relationship with the walls of the said chamber, a spring for biasing the blade in the direction to move the cutting jaw away from the abutment jaw, a normally closed valve in the transversely extending recess in the housing, the said valve when in closed position permitting air to flow from the chamber to the exterior of the housing and when in open position preventing such flow, and a manually engageable button at the exterior of the housing and connected with the valve to open it and thus admit air under pressure to the chamber so as to pivotally move the blade in the direction to pivotally move the cutting jaw toward the abutment jaw.

2,469,183
PANEL MOUNTING
Walter William Small, Birmingham, England, assignor to Auster Limited, Birmingham, England, a company of Great Britain
Application August 22, 1945, Serial No. 611,989
In Great Britain December 12, 1944
6 Claims. (Cl. 20—56.4)



1. A panel assembly comprising a panel, a frame having a base surface surrounding said panel, said frame having an upstanding wall on one side of said base surface and a continuous longitudinal groove intermediate the ends thereof and extending below the same, a flexible, one-piece glazing strip mounted upon said base surface adjacent said upstanding wall and having a base portion extending over said groove, said strip having in its upper face a continuous channel receiving the edge of said panel and in the underside of its base portion a continuous groove opposed to and adjacent said first mentioned groove, said opposed grooves being outwardly offset from and below said channel and forming an enclosed space, and a flexible longitudinal retaining member removably located in said opposed grooves to key said glazing strip to said frame and adapted to cause a side wall of said channel to be pressed laterally against said panel.

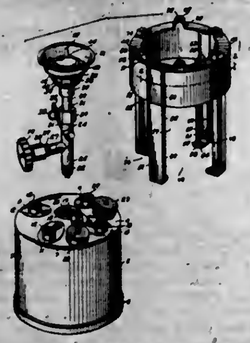
2,469,184
SPONGE-DOWN APPARATUS
Charles William Ivor Thomas, Market Drayton, England
Application May 8, 1946, Serial No. 668,079
In Great Britain May 15, 1945
5 Claims. (Cl. 4—145)



1. A portable sponge-down apparatus comprising an open rectangular body portion constructed to resemble a suitcase including a bottom, side and end walls forming a water receiving basin, a top front wall joining the side walls and one end wall providing a chamber at one end of the

basin for receiving the waste water when the chamber is lowermost, a removable lid for the open part of the body portion adapted to partly overlie the front wall having flanges engaging the side walls and means for removably holding the lid in position.

2,469,185
PORTABLE STOVE
Boyd W. Tullis, Wichita, Kans., assignor to The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas
Application April 18, 1946, Serial No. 663,025
4 Claims. (Cl. 158—33)



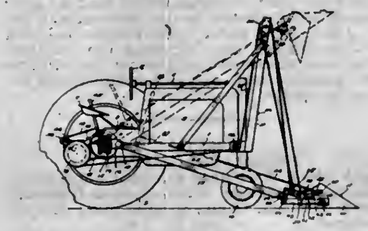
1. A stove of the character described including a cylindrical fount, a valve and burner unit having a tubular leg mounted on the upper end of the fount substantially in the axial center thereof, a plurality of lugs having threaded sockets and fixed to said top in a circular series about the leg of the valve unit, a grid ring encircling the burner of said unit and having an annular depending skirt substantially conforming to the diameter of the fount, legs fixed to the skirt of the grid ring in corresponding relation to the spacing of said lugs and having inturned apertured feet on the lower ends seated on the lugs with the apertures in registry with the sockets, and fastening devices extending through the apertured feet and into the threaded sockets of the lugs for securing the feet to said lugs and to anchor the grid ring on the fount.

2,469,186
HIGH-SPEED GRINDING SPINDLE
Clarence W. Tydeman, San Mateo County, Calif., assignor to General Engineering and Dry Dock Corporation, San Francisco, Calif., a corporation of Delaware
Application June 19, 1947, Serial No. 755,797
6 Claims. (Cl. 308—122)



1. A high speed spindle and bearing assembly, comprising, an elongated sleeve, bearings positioned therein, one near each end thereof, the openings in the bearings being conical and outwardly flaring, means for securing the bearings in a fixed relation relative to each other and to the sleeve, a spindle extending through the bearings, said spindle having a conical bearing sized and shaped for engaging the correspondingly shaped outer bearing near one end of the sleeve, and a conical bearing slidably connected with the other end for operative engagement with the other outer bearing, means for adjusting the movable bearing along the spindle and for securing it in adjusted position, oil seals between the spindle and the outer ends of the sleeve, an oil inlet pipe in communication with the interior of the sleeve, between the two bearings, whereby oil may be introduced thereinto under pressure, and an oil outlet pipe in communication with the interior of the sleeve, between the outer ends of the bearings and the oil seals, whereby any oil that has passed through the bearings will be removed.

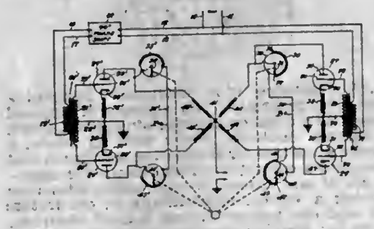
2,469,187
POWER DIGGER AND LOADER
Orin B. Warnock and Robert Benner, Nampa, Idaho
Application October 26, 1945, Serial No. 624,715
2 Claims. (Cl. 214—140)



1. The combination with a tractor including a chassis frame and a power take-off, of a digger scoop, a scoop elevating and lowering frame pivotally mounted on said chassis frame for vertical swinging movement, means to swing said frame upwardly by operation of said power take-off shaft, means to mount said scoop on said frame for tilting into dumping position, and means for tilting said scoop manually into dumping position operable from the tractor and comprising pairs of links on opposite sides of said scoop pivoted together and to said scoop elevating frame and scoop in each pair to form closed elbow joints, and a lever operatively connected to said links to open the joints formed thereby.

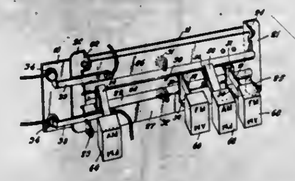
2,469,188
VARIABLE PHASE SHIFTER
George K. Werner, Chicago, Ill., assignor to M-K Enterprises, Inc., Chicago, Ill., a corporation of Illinois
Application February 1, 1947, Serial No. 725,755
3 Claims. (Cl. 323—119)

1. A continuously variable phase shifter having a substantially constant amplitude at the output, said shifter comprising a pair of vacuum tubes arranged to form a push-pull amplifier and having inputs and outputs, a short-circuited resistor for each vacuum tube, a wiper cooperating with each resistor to form a potentiometer, means for connecting the output of each vacuum tube to the wiper, a source of anode potential connected to the short-circuited ends of each of said resistors, each short-circuited resistor being disposed to provide a range of travel over which the cooperating wiper may move, said range of travel corresponding to 180 degrees of arc, one potentiometer being arranged so that it is 180 degrees out of phase with the other, a second push-pull amplifier and pair of short-circuited resistors and cooperating wipers similarly arranged and



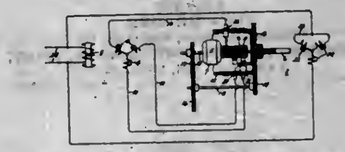
connected, the potentiometers of the first push-pull amplifier being respectively 90 degrees out of phase with the potentiometers of the other push-pull amplifier, means for moving all wipers simultaneously, means for supplying alternating potentials to the input of one push-pull amplifier, means for supplying similar alternating potentials but 90 degrees out of phase to the input of the other push-pull amplifier and means for combining the potentials from the four wipers into one output potential.

2,469,189
PRESELECTOR FOR RADIO-FREQUENCY NETWORK
John H. Williams, Chicago, Ill., assignor to Oak Mfg. Co., Chicago, Ill., a corporation of Illinois
Application May 3, 1946, Serial No. 666,970
2 Claims. (Cl. 250—40)



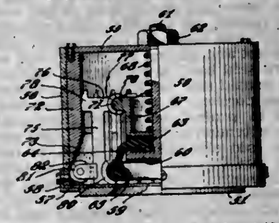
1. A push-button tuner for radio receivers including a series of transversely aligned, longitudinally movable operating rods, each rod controlling a station setting, two switch bars on opposite sides of the series of rods, every rod being equidistant from the two switch bars, a spring clip for each rod and attachable thereto in one of two positions only, said two positions being 180 degrees apart, each clip having an engaging portion extending away from its rod in one direction only so that the projection of said portion falls on a switch bar, said rod normally having a position where the engaging portion of its spring clip is free, said rod during actuation bringing the clip portion into engagement with a switch bar, each switch bar controlling a circuit for an electrical wave band selector.

2,469,190
ANGULAR MOTION TRANSMITTING APPARATUS
Arthur P. Adamson, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Application May 1, 1948, Serial No. 24,662
7 Claims. (Cl. 318—24)



1. An electromotive device comprising a stator member having polyphase windings with two of the phases short circuited, a rotor member having a winding thereon connected to a commutator, a plurality of brushes engaging said commutator, means comprising a rotatable member connected to rotate said brushes relative to said stator member and mechanical driving means interconnecting said rotor and rotatable member.

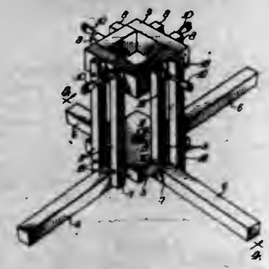
2,469,191
BOTTLE CAPPING DIE
Arthur H. Bedworth, Pomona, Calif., and Lewis G. Curtis, Winchester, Mass.; said Bedworth assignor to said Curtis
Original application May 31, 1941, Serial No. 395,958. Divided and this application January 20, 1947, Serial No. 723,136
3 Claims. (Cl. 226—86)



1. A machine for sealing a cap about the mouth and neck of a bottle, comprising a cylindrical casing having an open lower end for receiving the neck of a bottle having a cap formed with a flange and disposed on its mouth, the inner peripheral wall of said casing having an outwardly flaring cam-like annular member, a sealing member mounted within and movable axially relative to said casing, said sealing member having a central body portion engageable with the body of a cap positioned on the mouth of a bottle to be sealed and a flexible and resilient depending annular skirt portion engageable with the flange of said cap, the lower end of said skirt portion terminating in an enlarged beaded edge, and a plurality of spaced fingers circumposed about said skirt portion within said casing, said fingers being supported at their lower ends by said beaded edge so as to swing radially inwardly and outwardly within said casing, the lower ends of said fingers having parts engageable with said cam-like member so that in response to axial movement of said sealing member relative to said casing in one direction, said fingers are swung inwardly to contract said skirt portion radially, thereby crimping the flange of a cap about the

neck of a bottle inserted in the opening of said casing, and in response to axial movement of said sealing member in the opposite direction, said fingers are free to move outwardly, thereby to permit said skirt portion to expand radially and release the neck of said bottle.

2,469,192
TREE HOLDER
Charles A. Bouc, Chicago, Ill.
Application August 26, 1947, Serial No. 770,677
3 Claims. (Cl. 248—46)

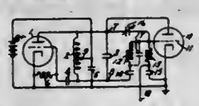


2. A holder for elongated objects such as trees, comprising a base, a frame having a central opening to receive an elongated object, a plurality of side members rigidly secured at their upper ends to said frame and at their lower ends to the peripheral edges of said base and having portions extending downwardly below said base, a spike having its pointed end extending upwardly through said base for impaling said elongated object and having its opposite end extending below said base, a plurality of legs pivotally secured to said side members at the downwardly extending portions of the latter, said legs being adapted to project outwardly from said base when in extended position and to fold upwardly adjacent said side members when in retracted position, said legs also having end portions projecting inwardly below said base when the legs are in extended position, and clamping means operatively engaging said opposite end of said spike for releasably retaining said end portions of said legs against the under surface of said base.

2,469,193
PROTEIN FRACTIONATION
Edwin J. Cohn, Cambridge, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Original application February 9, 1942, Serial No. 430,075. Divided and this application November 15, 1945, Serial No. 628,975
8 Claims. (Cl. 260—112)

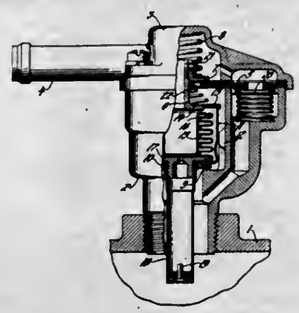
1. The method for the fractionation of proteins which comprises extracting a desired protein from a mixture of proteins in the solid state by immersing said solid mixture in a liquid mixture containing a limited amount of an organic precipitant for protein, and adjusting the temperature, the hydrogen ion concentration, the ionic strength, and the amount of said precipitant so that, of the said mixture of proteins, only the desired protein is soluble in said liquid mixture and the utility of the proteins which remain undissolved is not materially impaired.

2,469,194
REACTANCE TUBE CIRCUIT
Jean L. Deivaux, Paris, France, assignor to General Electric Company, a corporation of New York
Application July 16, 1947, Serial No. 761,326
In France December 12, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires December 12, 1962
5 Claims. (Cl. 332—28)



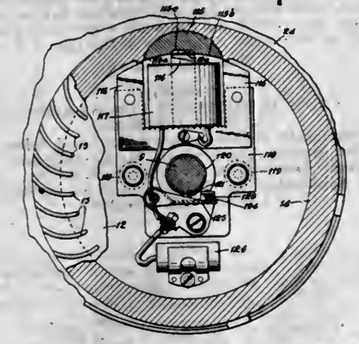
1. A reactance tube modulator comprising means for generating two voltages of opposed phase with a common predetermined nodal point, an electron discharge device with an anode, a cathode connected for alternating voltages to said point, and a control electrode, means for applying one of said voltages to said anode, means for applying a voltage substantially in quadrature with said one voltage to said control electrode, means for deriving from the other of said two voltages a correcting voltage and for applying said correcting voltage to said control electrode whereby conduction of in-phase anode current by said discharge device is minimized, and means for applying a modulating voltage to control the intensity of current conducted by said device.

2,469,195
COOLANT RELIEF VALVE
Jesse E. Eshbaugh, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 5, 1946, Serial No. 694,948
9 Claims. (Cl. 236—92)



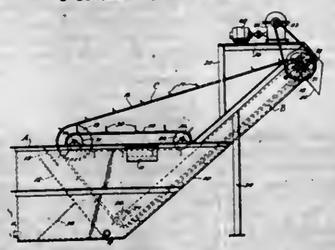
4. In a relief valve for a closed pressure system, a pair of outwardly opening pressure relief valves arranged in series relation, an expansible-contractible device interposed between said valves and responsive to both system temperature increase and atmospheric pressure decrease to expand, said device in its normally contracted condition being arranged to provide operating clearance between said valves and upon predetermined expansion to take up the clearance space between and to engage with both valves as a strut therebetween and by-pass means around the outermost valve cooperating with said clearance space so as to be fully open upon device contraction and to be blocked by device expansion.

2,469,196
MAGNETO MAGNET
Harry Goldberg, Chicago, Ill., assignor, by mesne assignments, to Pioneer Gen-E-Motor Corporation, Chicago, Ill., a corporation of Delaware
Application January 4, 1946, Serial No. 639,128
2 Claims. (Cl. 171—209)



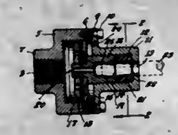
1. In combination, a fly wheel of non-magnetic cast metal having a laterally projecting flange, a one piece bar magnet embedded in cast relationship within the inner face of the flange, there being two cylindrical pole faces on one side of the bar magnet one adjacent each end thereof, said faces being exposed in the inner periphery of the flange and of substantially greater area than the cross-sectional area of said magnet intermediate its ends, a bridge cast integral with the flange extending across the body of the magnet between and separating the pole faces, the width of the bridge being substantially greater than its radial thickness.

2,469,197
SEPARATING APPARATUS
Clarence C. Hermann, Grosse Pointe Park, Mich., assignor to Claude B. Schneible
Application December 29, 1945, Serial No. 638,288
8 Claims. (Cl. 210—55)



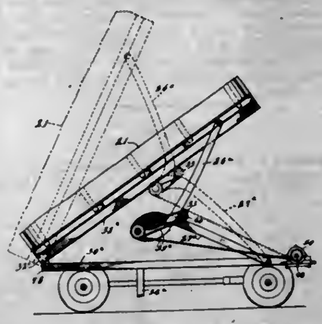
1. In separation apparatus, a tank adapted to receive liquid containing solids which in part tend to settle and in part tend to float on the liquid, said tank having an inclined wall leading from the bottom to the top of the tank, means for introducing liquid containing solids into the tank, an endless conveyor supported for movement in spaced relation with said wall, means carried by said conveyor and adjacent said wall for moving submerged solids up said wall as the conveyor is advanced, means for moving the conveyor, means for moving the floating material in said tank to a position where it will be engaged by said conveyor means as it emerges from the liquids, means for moving said last-mentioned means, and means for removing clarified liquid from the tank.

2,469,198
AIR CHUCK
Raymond E. La Pointe, Hartford, Conn., assignor to The Bush Manufacturing Company, Hartford, Conn.
Application March 23, 1946, Serial No. 656,610
6 Claims. (Cl. 279—4)



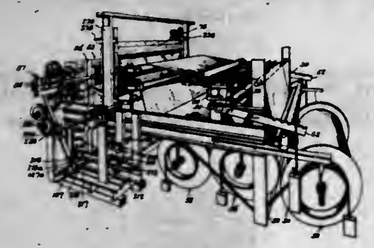
2. A chuck of the character described comprising a body having a chamber therein, a piston slidable in said chamber, a resilient sleeve, a plunger operatable by said piston for compressing said sleeve, an opening in said body in alignment with the interior of the sleeve, and means for admitting pressure against said piston to cause compression of said sleeve for reducing the inside diameter thereof.

2,469,199
LIFTING APPARATUS
George F. Lewis, Streator, Ill.
Application March 23, 1946, Serial No. 656,556
5 Claims. (Cl. 298—19)



1. A device for raising a vehicle body from a chassis portion comprising: a pair of curved arms arranged in vertical relationship and pivoted together adjacent one end the opposite end of the upper arm being pivoted to the chassis portion adjacent the front end thereof and the opposite end of the lower arm being pivoted to the vehicle body adjacent the front end thereof in such manner as to cross said arms intermediate the ends thereof, a spreader device interposed between said arms intermediate the point of crossing and the points of pivot to the said chassis and body, and apparatus for actuating said spreader device.

2,469,200
HARNESS MOTION FOR LOOMS
Paul Matweeff, Uncasville, Conn.
Application September 11, 1946, Serial No. 696,689
11 Claims. (Cl. 139—77)



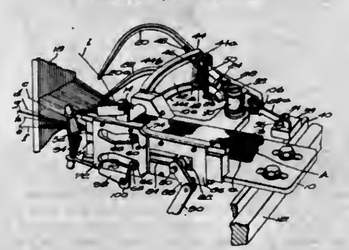
1. In a loom, a harness motion comprising a plurality of reciprocatory frames, a mutilated operating cylinder gear normally rotated in one direction at substantially constant speed, means for adjusting said frames comprising slide plates respectively connected to said frames and adjusting gears eccentrically connected to said plates, means comprising a pattern chain for moving said adjusting gears to an operative position for meshing with said operating gear and an inoperative position clear thereof, said adjusting gears respectively having enlarged locking teeth and said operating gear having a flat thereon disposed to clear the locking teeth of said adjusting gears and a groove adapted for reception of said locking teeth, means cooperating with said locking teeth for locking in adjustment the adjusting gears while enabling release by partial rotation thereof of those adjusting gears which are in operative position, and driving connections between said operating gear and said chain effective for driving the latter at accelerated speed when said operating gear is out of mesh with the adjusting gears in operative position and at reduced speed when said operating gear is in mesh with said latter adjusting gears.

2,469,201
DOOR LATCH
Anders P. Mikkelsen, Pleasantville, N. Y.
Application November 9, 1946, Serial No. 708,952
6 Claims. (Cl. 292—252)



1. In a latch for a door or window casing, having a pair of hinged closure members adapted to swing to closed position with their inner edges adjacent and in close proximity to each other, said latch device comprising a tube mounted in a corner of one door and having one end opening through the bottom of the corner and another end opening through the inner edge of the door adjacent the inner edge of the adjacent door, a plurality of balls in said tube, slightly greater in diameter than the diameters of the openings at the ends of the tube, said balls being so dimensioned that when one end ball in the tube is pushed in substantially flush with the end of the tube at which the said ball is positioned by the inner edge of the adjacent door, the ball at the other end will be partially pushed out of the tube, and a seat for receiving a portion of the ball so pushed out of the end of the tube.

2,469,202
LOOM ATTACHMENT FOR WEAVING LADDER WEBBING
Frederick D. Murdock, Barrington, and John A. De Angelis, Cumberland, R. I., assignors to Harry Dexter Peck, Providence, R. I.
Application May 1, 1948, Serial No. 24,646
4 Claims. (Cl. 139—124)

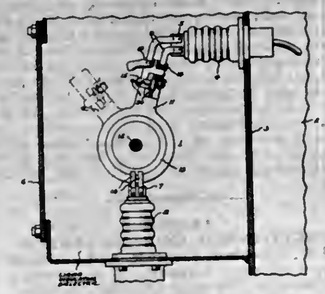


1. An attachment for looms having stationary weft supplies and adapted to weave ladder web, a pair of thread arms for carrying weft threads back and forth through separate sheds of warp threads, a pair of reciprocally movable needles arranged to operate with said thread arms, cam means associated with said thread arms, for causing said arms to move toward one another as they carry the weft threads in one direction through the sheds and to move away from one another as they carry the weft threads in the other direction through the sheds, and other cam means associated with said needles for causing said needles to move away from one another as they move forward into cooperative action with said thread arms to bring the eye of each needle between a thread arm and the weft thread carried thereby.

2,469,203
ELECTRIC SWITCH
Arthur Palme and Orin P. McCarty, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application December 4, 1945, Serial No. 632,735
8 Claims. (Cl. 200—146)

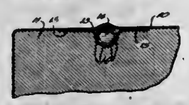
1. In a switch, a pair of relatively movable cooperating contact members including a stationary contact and a movable blade, an insulating support on said blade, a vacuum switch mounted on said insulating support comprising a pair of interrupting contacts enclosed by an evacuated envelope having a flexible metallic diaphragm as a wall portion thereof, an actuating member extending through said diaphragm for operating said interrupting contacts from outside said envelope, a conducting cam surface associated with said stationary contact, a conducting member pivoted to said insulating support and electrically connected to said blade through said

arcing contacts so as to complete a circuit in parallel with said contact members when said conducting member engages said cam surface, and means on said cam surface for causing move-



ment of said conducting member to open said interrupting contacts and interrupt the current which has been transferred from said contact members to said interrupting contacts.

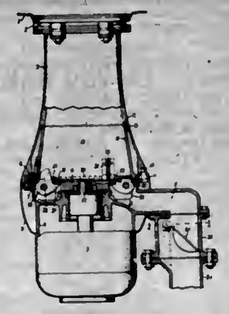
2,469,204
PACKAGE WRAPPER
Leo Peters, Evanston, Ill., assignor, by mesne assignments, of two-thirds to Leo Peters and one-third to Helen M. Peters, both of Evanston, Ill.
Application March 1, 1946, Serial No. 651,319
5 Claims. (Cl. 99—171)



1. A package wrapper comprising a translucent web of flexible material suitable for kneading oleomargarine therein, said wrapper being adapted to be sealed about a body of oleomargarine, a perforated flexible strip secured to an inner wall of said web, and a frangible capsule held between said perforated strip and said inner wall of the web, said capsule containing coloring matter and the perforations of said strip being of a size to permit the flow of said coloring matter, when the capsule is broken, into said oleomargarine while confining the shell of said capsule.

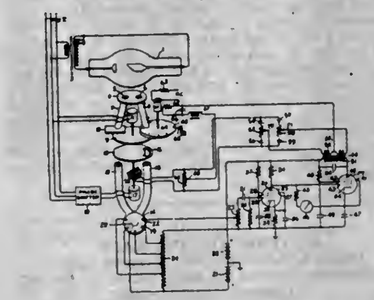
2,469,205
WASTE DISPOSAL APPARATUS
James H. Powers, Westport, Conn., assignor to General Electric Company, a corporation of New York
Application December 28, 1945, Serial No. 637,529
5 Claims. (Cl. 146—192)

1. In a waste disposal apparatus, a wall which defines a waste receiving chamber having shredding means on its inner surface, a flywheel in the chamber having at its periphery impeller blades which cooperate with the shredding means, walls defining passages in the chamber wall at the periphery of the flywheel for conveying comminuted material from above to below the flywheel, a discharge conduit, a motor for rotating the flywheel, a plate in the discharge conduit biased to a position where it stands in the path of flow through such conduit, switch means operated by movement of said plate away from such path of flow for controlling the motor, and walls which define passage means separate from said



first named passages for conveying water from the chamber to said discharge conduit.

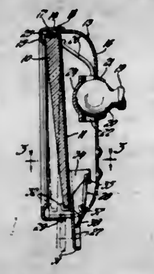
2,469,206
X-RAY ABSORPTION PHOTOMETER
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 14, 1946, Serial No. 709,861
6 Claims. (Cl. 250—83.3)



5. An apparatus for comparing the absorption of X-rays by two specimens comprising a source of X-rays, means for directing a portion of the X-rays from said source through a specimen to be analyzed and a second essentially similar portion of the X-rays through a second specimen, a graduated adjustable absorption member adapted for movement intercepting the X-rays through one of said specimens, a rotatable fluorescent screen adapted to intercept unabsorbed X-rays passing through one specimen by one portion thereof and the unabsorbed X-rays through both the other specimen and said adjustable absorption member by another non-coincident portion thereof, driving means therefor, a phototube, an enclosure for said phototube allowing its actuation only by light produced by said fluorescent screen, shutter means for alternately exposing said phototube to light from one portion of said fluorescent screen and to light from another portion of said screen, driving means therefor, means responsive to phototube current for positioning said adjustable absorption member for equal illumination

of said two portions of the fluorescent screen, and means responsive to position of said adjustable absorption member for indicating its position.

2,469,207
SPRING MOUNTED TWO-POSITION PRISMOIDAL REAR-VIEW MIRROR
Gordon E. Roedding, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 12, 1946, Serial No. 702,900
14 Claims. (Cl. 88—98)



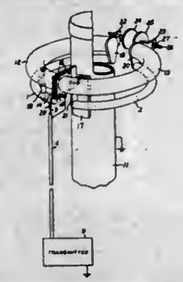
1. In a mirror, a housing consisting of a front frame section and a rear section, opposed recesses in both sections providing an aperture, a member which includes a low efficiency reflecting surface disposed in front of and at an angle to a high efficiency reflecting surface mounted in the housing so that it can pivot about an edge, means pivoting said member to the housing, means engaging said member and extending through the aperture in said sections, a spring seat attached to said means, spring means under compression positioned between said spring seat and said housing to hold said engaging means on the member and said member in contact with the pivot means.

2,469,208
CLOTHES-DRYING RACK
James Gilbert Rothrock, Everett, Wash.
Application October 25, 1945, Serial No. 624,393
2 Claims. (Cl. 211—100)



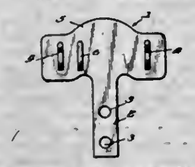
1. In a clothes drying rack, a relatively deep receptacle of narrow thickness from front to rear and having substantially parallel front and rear walls and having a bottom wall; a horizontal fulcrum member carried by the upper edge portion of the front wall of said receptacle; horizontal clothes bar holding means carried by the rear wall of said receptacle and extending toward said fulcrum member above the level of said fulcrum member and having downwardly opening clothes bar positioning notches; and clothes bars each having a neck portion of narrower width than the bar near the inner end of the bar and a terminal head portion wider than said neck portion inwardly of said neck portion, whereby when said neck portions are positioned in said notches said bars will be held against endwise movement and will be supported in extended positions by said clothes bar holding means and said fulcrum member, said bars being readily movable into upright positions with the inner end portions of the bars resting on the bottom wall of the cabinet and the major portions of the bars disposed within the cabinet and the outer end portions of the bars extending above the clothes bar holding means.

2,469,209
SINGLE-ENDED ANTENNA SYSTEM
Marvel W. Scheldorf, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application April 19, 1946, Serial No. 663,318
4 Claims. (Cl. 250—33)



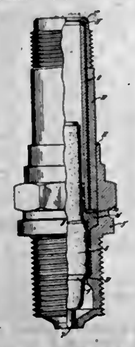
1. A single-ended antenna system comprising a pair of parallel, similarly oriented, circumferentially incomplete, loop-like conductors, each of said conductors having a pair of spaced ends, corresponding spaced ends of said pair of conductors being conductively connected together, one of said pair of conductors having a pair of terminals at a point mid way between said spaced ends, one of said terminals being conductively connected to the other of said conductors, input means connected to the other of said terminals, said one terminal being connected to ground, whereby signal voltages may be impressed between said input terminal and ground, and a capacity coupling between said spaced ends.

2,469,210
CARD SUPPORT AND DISPLAY
Edward L. Schwab, Chicago, Ill.
Application August 14, 1947, Serial No. 768,588
1 Claim. (Cl. 248—1)



In a card supporting display device, the combination of a body portion, a pair of spaced clip members extending therefrom for engaging and holding the rear leaf of a folded card positioned between said clips, the body portion having a pliant member in the form of a relatively narrow strip having a pair of spaced holes therein extending from an edge thereof and being bent intermediate said holes to permit the insertion of a rod through said holes and adjustably support the body portion thereby, said strip being adapted to be bent relative to the body portion to arrange and maintain the body portion and strip at various angles relative to each other, and a projection spaced outwardly from the face of said body portion and from said clip members, said projection being laterally positioned intermediate said clip members and adapted to engage and maintain the front leaf of a folded card supported by the device, in partially open position with respect to the rear leaf thereof.

2,469,211
SEALING MEANS AND METHOD FOR SPARK PLUGS
Karl Schwartzwalder, Holly, and Carl F. Schaefer, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 25, 1944, Serial No. 551,118
7 Claims. (Cl. 123—169)



2. A spark plug comprising a metallic shell, an insulator of ceramic material within said shell and spaced therefrom, an impervious mass of vitreous material in said space at the sparking end of the plug and completely sealing the insulator in the shell, said mass being a mixture of approximately 5 to 15 per cent of mica in lamellar form and 85 to 95 per cent of low-fusing glass, the mixture being solid and inert at temperatures normal to the use of spark plugs but being readily flowable under pressure at temperatures approximately between 400 and 500° C.

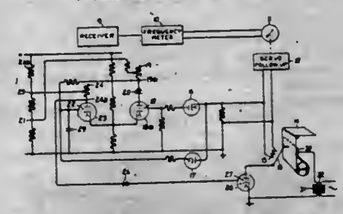
2,469,212
TEMPERATURE-REGULATING VALVE MECHANISM FOR HEAT-EXCHANGE DEVICES
Joe C. Shaw, Racine, Wis., assignor to Young Radiator Company, Racine, Wis., a corporation of Wisconsin
Application December 4, 1946, Serial No. 713,966
4 Claims. (Cl. 236—34)

1. A fluid temperature-regulating valve mechanism comprising, a housing adapted for attachment to a heat-exchange unit having dual fluid flow paths, said housing having a main fluid inlet and a main fluid outlet, said housing also having an auxiliary fluid outlet for communication with a common inlet to the dual fluid flow paths in said heat-exchange unit and auxiliary inlets for communication with the fluid outlets for the dual fluid flow paths of said heat-exchange unit, said housing being divided interiorly by transverse partitions into a plurality of chambers which communicate radially of said housing, one with said housing main inlet, another with said housing auxiliary outlet, and two others respectively with the housing auxiliary inlets, said partitions having openings formed therein affording communication axially of said housing between the chambers on opposite sides of a respective partition, poppet valve mechanism movable axially of said housing and coacting with valve seats on certain of said partitions opening to control the flow of fluid be-



tween said housing main inlet and said housing main outlet either directly through said partition openings or indirectly through said heat-exchange unit, a thermostat connected to actuate said valve mechanism and mounted in said housing for exposure to the fluid flow through said housing main outlet in advance of the discharge of the fluid therefrom whereby the temperature of the fluid determines the flow path thereof through said housing, and slide valve members co-acting with said housing for controlling communication through said housing auxiliary inlets, said slide valve member being connected to said thermostat so that the actuation of said slide valve member is synchronized with the actuation of said poppet valve mechanism whereby the closing and opening of said housing auxiliary inlets occurs simultaneously with the opening and closing respectively of communication between said housing main inlet and outlet directly through said housing.

2,469,213
RECORDING SYSTEM
Richard F. Shea, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application March 20, 1944, Serial No. 527,187
7 Claims. (Cl. 346—33)



1. In a recorder for producing substantially continuous records of a plurality of quantities, means for receiving successive series of impulses, the series being made up of separate impulses corresponding to the respective quantities, said

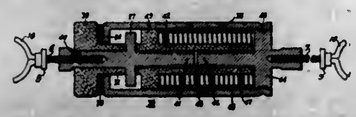
receiving means having an element movable to positions corresponding to the respective impulses, a stylus for marking a record, a deflecting coil for the stylus, means for providing a voltage in the coil deflecting the stylus to a position corresponding to the instantaneous position of the element, and means responsive to the voltage in said coil for interrupting the marking by the stylus until the position of the stylus corresponds to the position of the element.

2,469,214
CENTRIFUGAL COMPRESSOR
Sanford A. Shuler, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 19, 1946, Serial No. 655,517
3 Claims. (Cl. 230—130)



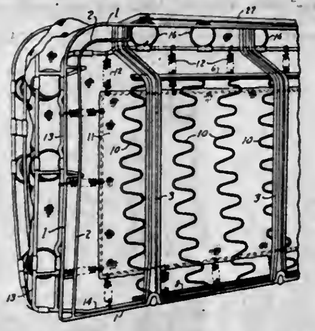
1. In a multi-stage centrifugal pump having a single inlet low pressure impeller and a single inlet high pressure impeller mounted coaxially in adjacent back-to-back relation, walls defining a first discharge scroll surrounding the low pressure impeller and having an exit directed tangentially and with a cross-section of a width substantially equal to the height thereof, walls defining an annular inlet chamber for the high pressure impeller, and walls defining an interstage passage connecting the exit of the first stage scroll to said second stage inlet chamber, said passage having adjacent the first stage exit a portion forming a first bend of substantially 90 degrees to turn the fluid discharged from said exit to a direction substantially parallel with the axis of the compressor and a second portion defining a second bend of substantially 90 degrees to conduct the fluid to said inlet chamber, said interstage passage having a cross section which gradually decreases in area and simultaneously transitions to a progressively more elongated shape with a major axis extending in a direction substantially normal to the planes of the respective bends, whereby the rapidly flowing fluid is caused to fill the passage without separation from the inside walls of the bends.

2,469,215
PROTECTIVE DEVICE
Sidney R. Smith, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 9, 1944, Serial No. 553,365
1 Claim. (Cl. 200—118)



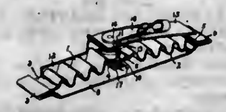
A control device for shunting an electrical circuit or device in response to a predetermined overvoltage comprising a pair of terminals adapted to be connected in shunt with said electrical circuit or device, a conducting housing electrically connected to one of said terminals, a conducting member within said housing connected to said other terminal, means biasing said conducting member into conducting engagement with said housing, and means comprising a frangible member restraining said last mentioned means including a gap mounted within said frangible member and connected across said terminals, said gap being so constructed and arranged as to arc over in response to a predetermined overvoltage across said terminals to cause disintegration of said frangible member and engagement of said conducting member with said housing.

2,469,216
SUSPENSION SPRING SEAT
Leo Spunt, Detroit, and Bruce A. Gould, Highland Park, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 9, 1946, Serial No. 708,970
12 Claims. (Cl. 155—179)



12. A spring seat construction, having in combination a substantially rectangular bottom frame, a plurality of upwardly-arched sinuous wire springs extending crosswise of the frame, a spring-suspended hammock or sling suspended from the frame and extended over the arches to cooperate with the arches for yieldably supporting the load, the said hammock or sling comprising webbing and tension springs suspending the webbing from the sides of the frame.

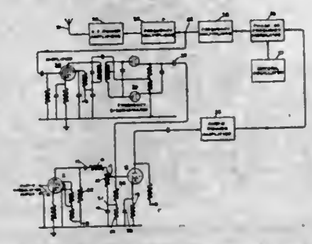
2,469,217
SNAP-ACTION THERMOSTATIC SWITCH
Henry C. Sway, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application April 17, 1946, Serial No. 662,895
3 Claims. (Cl. 200—138)



1. A snap acting thermostat comprising a pair of elongated bi-metallic strips transversely corrugated for at least a portion of their lengths and positioned end to end and pivoted together

at their juxtaposed ends, whereby said strips while undistorted have a common longitudinal axial plane, a frame having spaced arms, means rigidly clamping the free ends of said strips to said arms, at least one of said clamping means holding the end of its respective strip at an acute angle to said axial plane and the distance between said clamps being less than the combined lengths of said strips in said plane between said clamping means, whereby said strips are longitudinally compressed and tend to be bowed out of said plane, stop means secured to said frame for limiting transverse motion of said strips on both sides thereof, said stop means being positioned close enough to said strips to maintain the strips in compression in both extreme limits of motion, and contact means adapted to be opened and closed by transverse motion of said strips.

2,469,218
NEGATIVE FEED-BACK TRANSMISSION SYSTEM
Henry P. Thomas, Fayetteville, N. Y., assignor to General Electric Company, a corporation of New York
Application April 30, 1947, Serial No. 744,845
9 Claims. (Cl. 332—18)



1. In a transmitter of angularly-modulated high frequency waves, a source of modulation signals extending over a relatively low-frequency band, a signal translation channel having an input connected to said source and having an output, said channel including means for generating said high frequency waves and modulating them in accordance with said signals, means for demodulating said angularly-modulated waves at said output to develop demodulated signals, a frequency-selective network having an inverse gain-frequency characteristic over said band, means for feeding back said demodulated signals through said network to said input in degenerative phase, whereby the relative degree of modulation at said output is increased at higher modulation frequencies, and a second frequency-selective network in the connection between said source and said input including a coupling impedance across said input common to both said networks, said second network having a correlated gain-frequency characteristic which substantially restores the relative degree of modulation at said output to the value without feedback.

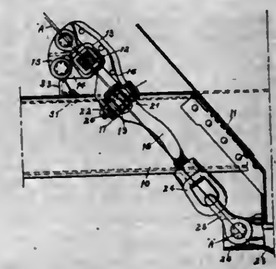
2,469,219
PIN SPOT MARKER FOR BOWLING ALLEYS
William White, Newark, N. J.
Application February 3, 1948, Serial No. 5,916
5 Claims. (Cl. 273—52)

1. A pin spot device for bowling alleys comprising a socket element having an upwardly open, downwardly and inwardly tapered socket bounded by radially split side walls, and an inverted conical core within said socket having a screw-threaded connection with the bottom of the socket element, whereby rotation of the core in



down moving direction relative to the socket element expands the split side walls of the latter into frictionally bound anchoring engagement with the walls of an opening in an alley provided for the reception of said socket element.

2,469,220
DOOR OPERATING MECHANISM FOR DUMP CARS
Albert E. Zimmer, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application July 18, 1946, Serial No. 684,587
3 Claims. (Cl. 105—299)



1. In a door operating mechanism for dump cars having a hinged bottom door, a rotary lifting shaft supported on the car, a radial arm on said shaft, and link means inter-connecting the door with and pivotally connected to the radial arm, the improvement which comprises a stop member located in the path of rotary movement of the radial arm in a position adjacent the point where the pivotal connection between the link means and the radial arm is located when the door is in closed position whereby over-winding of the link means and resulting damage to the operating parts are prevented.

2,469,221
SLIDE RULE ACCESSORY
Joseph G. Adiletta, New York, N. Y.
Application August 28, 1945, Serial No. 613,186
2 Claims. (Cl. 235—70)



1. An accessory for maintaining a double-faced slide rule in elevated state upon a table for manipulation of the slide rule in said state, compris-

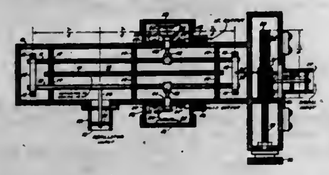
ing a pair of members each having the combination of a lower fixture for elevatingly supporting the slide rule to present one face thereof in an operative condition, an upper fixture for similarly supporting the slide rule for similarly presenting its opposite face, a spring joining said fixtures, said spring drawing said fixtures toward each other for grippingly holding the slide rule and for removal of the member from the slide rule, and said members being mountable upon and demountable from the marginal end portions of the slide rule.

2,469,222

CRYSTAL RECTIFIER CONVERTER

John B. Atwood and Bertram Trevor, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Application December 1, 1943, Serial No. 512,442
10 Claims. (Cl. 250—20)



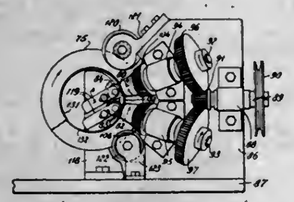
10. A converter circuit including a pair of parallel conductors connected together at each end and an outer casing enclosing said conductors, a conductive wall between said conductors and connected to said outer casing, means for applying wave energy of one frequency between said line conductors and said outer casing, means for applying wave energy of another frequency to said line conductors in a push-pull relationship and rectifying means connected in symmetrical relationship from corresponding high potential points on said conductors to an output circuit.

2,469,223

APPARATUS FOR USE IN MAKING PRE-COILED HELICAL FINS

Ernest Bruegger, Massillon, Ohio, assignor to The Griscom-Russell Company, New York, N. Y., a corporation of Delaware

Original application September 8, 1944, Serial No. 553,153, now Patent No. 2,437,500, dated March 9, 1948. Divided and this application March 15, 1947, Serial No. 734,961
4 Claims. (Cl. 153—29)



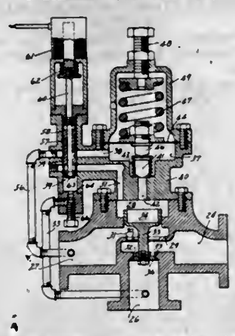
1. In apparatus for forming an L-shaped foot along the inner edge of an edgewise wound helically coiled metallic ribbon, in combination, a pair of frusto-conical rollers, means for rotatably mounting said rollers with their conical surfaces parallel and closely adjacent each other at one point in their rotation, a rotary member having a cylindrical surface closely adjacent the smaller end faces of said rollers and extending across the space between said rollers at said closely adjacent point, means for rotating said rollers at the same speed and in opposite directions a peripherally extending shoulder projecting outward from the conical work engaging surface of one of said rollers and means for guiding an edgewise wound helically coiled metallic ribbon between said rollers with its inner edge portion protruding beyond the smaller end faces of said rollers whereby said edge portion is bent laterally by said cylindrical surface.

2,469,224

COMPRESSOR UNLOADER

William P. Caine, Birmingham, Ala.

Application February 4, 1946, Serial No. 645,382
9 Claims. (Cl. 230—24)



6. In apparatus of the character described including a fluid compressor having an intake conduit and a discharge conduit, the latter delivering compressed fluid into a receiver, an unloader interposed in the discharge conduit between the compressor and the receiver and comprising a housing communicating with the compressor, there being a conduit in the housing communicating with the compressor intake and discharge conduits and the receiver, a differential piston and cylinder therefor disposed within the housing and normally subject to receiver pressure between its ends, a valve controlling communication between the compressor discharge and intake conduits carried by the smaller end of the differential piston, a second valve controlling communication between the receiver and the compressor discharge on the larger end of the differential piston, and other valve means operable responsive to receiver pressure for admitting fluid from the receiver into the cylinder at the outer, larger end of the differential piston.

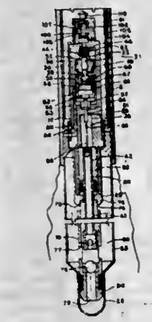
2,469,225

MEANS FOR FLOWING WELLS

Oscar E. Dempsey, Tulsa, Okla., assignor to Dempsey Pump Co., Tulsa, Okla., a corporation of Oklahoma

Application February 4, 1946, Serial No. 645,305
11 Claims. (Cl. 103—46)

1. In an apparatus for lifting fluid from a well including a filling chamber, means for introducing constantly maintained motive pressure fluid into the filling chamber for displacing the fluid emitting therein from the production strata, means for receiving the displaced fluid, means actuated by the motive pressure fluid to move the first mentioned means to a position preventing introduction of motive fluid into the filling chamber and permitting exhaust of residue motive fluid therefrom, said last mentioned means including a piston responsive to previ-



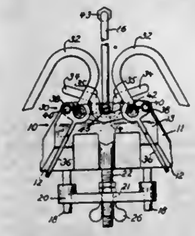
ously displaced well fluid disposed above the piston to provide a snubbing action to limit the actuation of the said means until substantially all the production fluid in the filling chamber is displaced, and means independent of the first mentioned means and responsive to the hydrostatic head of well fluid in the receiving means for introducing motive fluid thereto to slug the well fluid to the top of the well.

2,469,226

COLLAR CLAMPING APPARATUS

Harry D. Forse, Anderson, Ind.

Application May 9, 1946, Serial No. 668,407
8 Claims. (Cl. 223—52.1)



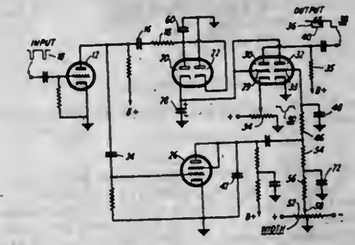
1. In a garment press, a buck having a padded upper surface, a supporting plate adjustably secured to said buck remotely of the padded surface thereof, a collar clamp having a neck band receiving form, means adjustably securing said collar clamp to said supporting plate, said adjustable securing means being located to be operably adjusted when said press is in pressing or non-pressing position, a pair of members mounted for operable movement relative to said form, each of said members being provided with a portion adapted to be moved to and from engagement with said form, and mechanical means for moving said members from said form engaging position.

2,469,227

ELECTRONIC WAVE GENERATING METHOD AND MEANS

Robert M. Fraser, Baldwin, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 30, 1946, Serial No. 644,201
15 Claims. (Cl. 250—27)



14. In a wave-generating system in which a series of synchronizing pulses control the production of an output voltage variation of substantially rectangular waveform, the leading edge of each cycle of the voltage variation being constant with respect to the leading edge of a synchronizing pulse, and the width of each cycle of the voltage variation being a selected percentage of the period of the synchronizing pulses, the method which comprises initiating a current flow in response to the reception of said synchronizing pulses, generating a current wave of substantially saw-tooth configuration under the control of said synchronizing pulses, the period of said saw-tooth current wave coinciding with the period of said synchronizing pulses, integrating said saw-tooth current wave, and applying said integrated saw-tooth current wave to terminate cyclically said current flow.

2,469,228

INSECT REPELLENT

Samuel I. Gertler, Washington, D. C., dedicated to the free use of the People in the territory of the United States

No Drawing. Application February 18, 1946, Serial No. 648,551
1 Claim. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

An insect repellent comprising benzyl ether as the essential active ingredient incorporated into zinc oxide.

2,469,229

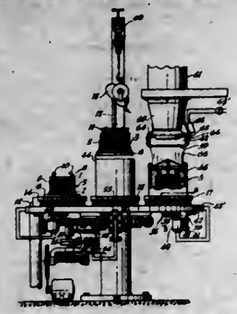
APPARATUS FOR PREPARING BUNGS OF CERAMIC WARE FOR FIRING

Robert E. Gould, Hamburg, N. Y., assignor to Buffalo Pottery Incorporated, Buffalo, N. Y., a corporation of New York

Application October 14, 1944, Serial No. 558,753
19 Claims. (Cl. 259—72)

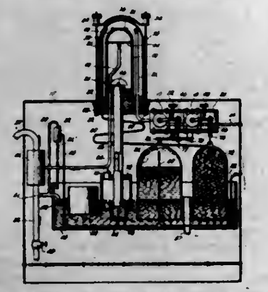
1. The process of preparing bungs of ceramic ware for firing which comprises, fluffing a light,

powdery, compactible bedding medium as the medium is placed around the bung and shaking



some of the medium into the spaces between the articles.

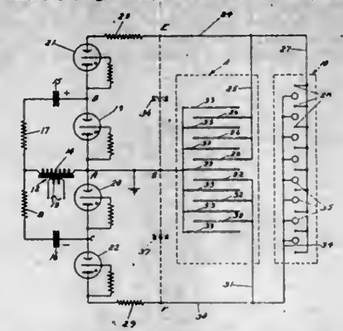
2,469,230
AUTOMATIC APPARATUS FOR FEEDING LIQUID OR GASEOUS MATERIALS
Elmer E. Harper, Monrovia, Calif.; Esther Pardee Harper executrix of Elmer E. Harper, deceased
Application January 18, 1945, Serial No. 573,415
11 Claims. (Cl. 222—58)



1. Apparatus for the gravimetric feeding of liquid or gaseous materials, comprising a receptacle containing the material to be handled and provided with a discharge outlet, a vacuum-actuated device provided with a fluid pressure control connection and also with mechanical control connections for regulating the flow through said discharge outlet, scale mechanism supporting said receptacle, and means responsive to fluctuations in said scale mechanism for automatically controlling said fluid pressure connection.

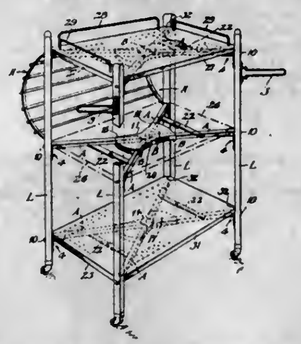
2,469,231
ELECTRICAL PRECIPITATOR
Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 20, 1946, Serial No. 678,153
12 Claims. (Cl. 183—7)

1. An electrical precipitator for purifying gas comprising an ionizing device including a plurality of electrodes between which an ionizing discharge is adapted to occur, a precipitating means including a plurality of spaced, parallel collector plates upon which impurities in said gas are collected, means for charging a portion of said plates to a predetermined potential relative to ground, means for charging another portion of said plates to a potential in the opposite polarity relative to ground, means for deriving a po-



tential substantially equal to the combined potential across said two portions of said collector plates, and means for applying said derived potential across said ionizing electrodes.

2,469,232
UTILITY STAND
Benjamin H. Kennedy, Pittsford, N. Y.
Application October 20, 1945, Serial No. 623,495
5 Claims. (Cl. 211—178)

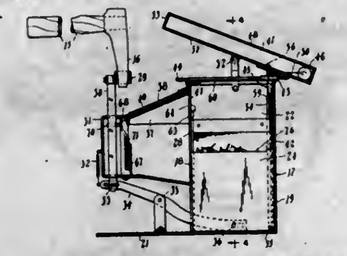


1. A utility stand which comprises a plurality of upright supporting legs, a plurality of X-braces each brace consisting of a hub having diagonally extending arms, each arm being pivotally connected to said hub at its inner extremity and to a supporting leg at its outer extremity, said X-braces providing means by which the supporting legs are folded or unfolded together in pairs, a plurality of removable shelves arranged to be supported by the arms, and means at the corners of each shelf for engaging the arms of the X-braces to secure the legs in their unfolded positions.

2,469,233
AUTOMATIC TACK DISPENSER
Eustace Kozachuk, Toronto, Ontario, Canada
Application December 2, 1946, Serial No. 713,600
13 Claims. (Cl. 1—49.6)

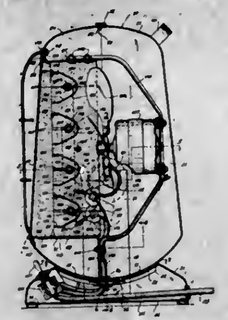
1. A tack dispenser for use with a hammer having a magnetic strike end, comprising a container

for tacks having front and rear walls and a gapped bottom wall, a feeder device disposed beneath the container for movement between raised and lowered positions, said feeder device having an upper end in the gap of said bottom wall forming a lift surface for tacks which is provided with a vertical slot receptive to the body portion of tacks so that the heads thereof may ledge on said lift surface, a chute extending outwardly of the upper part of said container and having a slot passage for tacks for receiving and



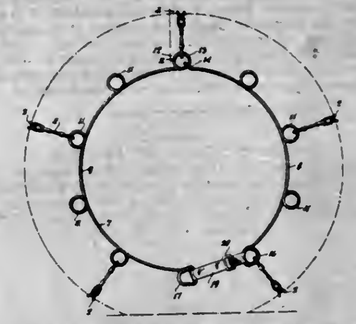
containing them in substantially upright position, a pusher device having a finger for pushing tacks along said lift surface into said slot passage of the chute when the feeder device is in a raised position, means for actuating said pusher device, a depressible device adapted to be actuated by the strike end of a hammer, a receiver for receiving tacks singly from the chute and enabling them to be attached magnetically to the strike face of the hammer by depressive movement of said depressible device, and means by which such depressive movement raises said feeder device.

2,469,234
FAN TYPE HEATER
Caryl A. Lindberg, Glendale, and Howard W. Eckles, St. Louis, Mo., assignors to The Emerson Electric Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application October 13, 1945, Serial No. 622,218
26 Claims. (Cl. 219—39)



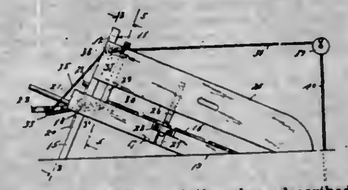
12. In a heater, a sheet material casing section having an air opening therethrough, material from the opening being bent backwardly therefrom at the bottom edge thereof, and downturned at its back and attached to the inside of the bottom surface of the casing, sheet material side and top walls connected with the backwardly bent material and forming therewith a duct, heating means mounted within the duct, and a blower attached to the duct, there being heat and electrically insulating liners for the side walls of the duct, a plurality of heating elements extending across from one liner to the other, a reflector device for each heating element, the reflector devices being spaced apart to provide air flow therebetween.

2,469,235
TRACTION DEVICE
Charles John Lindenthaler, Chappaqua, N. Y., assignor to Minute Skid Chain Corporation, Long Island City, N. Y., a corporation of New York
Application January 2, 1947, Serial No. 719,679
5 Claims. (Cl. 152—242)



4. In a device of the class described, the combination of a plurality of substantially semi-circular members, interconnecting apertured portions joining the ends of two of said members together to form a relatively loose joint, traction-improving means connected with one of said interconnecting apertured portions and adapted to extend across the periphery of a wheel, apertured connecting means extending outwardly from said semi-circular members at circumferentially spaced intervals, traction-improving means releasably connected with a plurality of said apertured connecting means and adapted to extend across the periphery of a wheel, apertured connecting means adjacent the free end of each of said semi-circular members, traction-improving means connected with one of said apertured connecting means and adapted to extend across the periphery of a wheel, and means for securing together the normally free ends of said semi-circular members to thereby retain said device on a wheel.

2,469,236
MINIATURE BOWLING APPARATUS
Sidney L. Long, Minneapolis, Minn.
Application August 17, 1945, Serial No. 611,192
7 Claims. (Cl. 273—127)



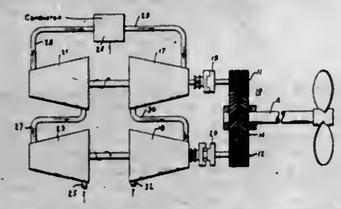
1. In an apparatus of the class described, a plurality of upright pins pivotally mounted to be

upset rearwardly when struck by a ball, and a ball-stopping grid back of the upright pins and through which grid the pins extend when upset.

2,469,237
ELECTROLYTIC SEALING OF ANODIZED ALUMINUM SURFACES
James F. Mason, Glen Cove, N. Y., and Austin H. Beebe, Jr., Ann Arbor, Mich., assignors to Reynolds Metals Company, Inc., Richmond, Va., a corporation of Delaware
No Drawing. Application October 25, 1945, Serial No. 624,608
2 Claims. (Cl. 204—58)

1. In sealing anodized aluminum surfaces, the improvement which comprises anodically treating the anodized aluminum surface in an aqueous solution of sodium phosphate having a pH of about 4.1–5.0 at a temperature of about 65°–85° C. with a current density of about 1–2 amperes per square foot of anodized surface until sealed.

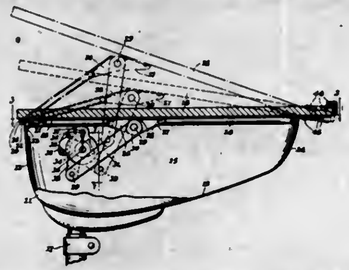
2,469,238
GAS TURBINE APPARATUS
John S. Newton, Havertown, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 28, 1947, Serial No. 771,108
3 Claims. (Cl. 60—102)



1. In a propulsion power plant, a rotatable propulsion mechanism, forward and reversing turbines rotatable in opposite directions, clutches for connecting either turbine to the propulsion mechanism, compressors driven by the turbines, a combustor supplied with fuel, means for conducting air from the atmosphere through the compressors in series to the combustor to support combustion of fuel therein and to admix with the resulting products of combustion to form motive fluid, and means for conducting motive fluid from the combustor first through the forward turbine and then through the reversing turbine before exhausting from the latter to the atmosphere.

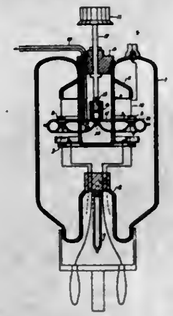
2,469,239
DESK STRUCTURE
Walter E. Nordmark, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application November 24, 1947, Serial No. 787,651
6 Claims. (Cl. 45—91)

1. In a desk structure of the character described: an upwardly open top box and a cover therefor; means for mounting the cover on the top box whereby the front edge of the cover is pivotally associated with the upper front edge of the top box to permit swinging movement of the cover to a rearwardly-upwardly inclined elevated position; means for pivotally supporting the cover intermediate its front and rear edges when elevated as aforesaid, said last-mentioned means comprising a toothed wheel rotatably mounted on the top box, a link pivotally connected to the cover intermediate its front and rear edges and having an eccentric pivotal connection with the toothed wheel, and a pawl reciprocally mounted on the top box and adapted to engage behind a tooth of the wheel to restrain the wheel against rotating movement in a direction for lowering the cover; said front edge of the cover



being dissociable from the upper front edge of the top box to permit swinging movement of the cover about its pivotal connection to said link to a rearwardly-downwardly inclined elevated position; stop means preventing forward or rearward and consequent lowering movements of the cover when in said rearwardly-downwardly inclined elevated position; and means for disengaging the pawl from said tooth to permit lowering movement of the cover.

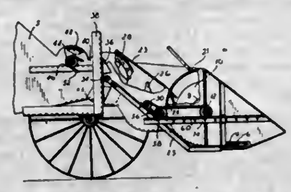
2,469,240
HOLLOW RESONATOR DISCHARGE DEVICE
Albert Frederick Pearce, Hampton Hill, England, assignor to Electric & Musical Industries Limited, Middlesex, England, a company of Great Britain
Application September 25, 1945, Serial No. 618,548
In Great Britain October 18, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 18, 1961
4 Claims. (Cl. 315—5)



1. An electron discharge device having an evacuated envelope provided with a tubular reentrant portion, a cavity resonator sealed through the walls of said tubular reentrant portion with a portion of the resonator within the evacuated envelope and another portion within said tubular

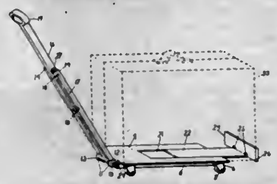
reentrant portion and external of said envelope, said cavity resonator being apertured in the portion within said envelope, means for directing an electron stream through said apertured portion and means for collecting said electron stream, said last two means being within said evacuated part of said envelope, a portion of the wall of said cavity resonator portion external of said evacuated envelope being flexible, and means for flexing said flexible wall portion for tuning said resonator.

2,469,241
ADJUSTABLE CUTTER AND FEEDER ASSEMBLY FOR HARVESTERS
Karl O. Peterson, Kansas City, Mo., assignor of one-half to Vaughn H. Doyle, Leonardville, Kans.
Application September 25, 1946, Serial No. 699,160
3 Claims. (Cl. 56—20)



3. A harvester apparatus comprising, in combination, grain cutting and grain feeding means including a rotary feeder beater member, thresher mechanism including a thresher cylinder in receiving relation to said feeder beater member, means for driving said thresher cylinder, framework supporting said cutting and feeding means and also journaling said feeder beater member, said framework being mounted for pivotal movement about the axis of said thresher cylinder, and driving means actuated by operation of said thresher cylinder for driving said grain cutting and feeding means.

2,469,242
COLLAPSIBLE LUGGAGE CARRIER
Elsa Pohl, New York, N. Y.
Application June 2, 1948, Serial No. 30,592
4 Claims. (Cl. 280—36)



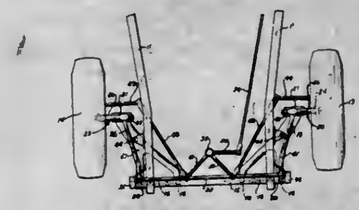
1. A luggage carrier comprising a platform, wheels supporting said platform in a substantially horizontal position, a casing affixed to the lower side of said platform, extending along substantially the entire length of said platform and having a wall with a longitudinal slot, said casing being open at its front end, said slot being closed at the front end, a shaft fitting the inner space of said casing slidably, a pin affixed to said shaft near the rear end of the same and reaching into said slot, and a handle affixed to the front end of said shaft, said pin forming a hinge of said shaft when the latter is in its foremost position, the front end of said casing and the rear end of said shaft having shapes allowing, in said position, turning movement of said shaft relatively to said casing.

2,469,243
ADJUSTABLE AUTOMOBILE SEAT
Lawrence B. Rivard, Dearborn, and Russell J. McCarthy, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application August 22, 1945, Serial No. 612,104
6 Claims. (Cl. 155—14)



1. In an adjustable vehicle seat, a substantially rectangular seat frame having a front and a back bar joined by a plurality of transverse members, a substantially U-shaped rear link intermediately connected to said rear bar and having pivotal mountings at its ends, the pivotal axes of said mountings being in alignment; a V-shaped front link member having pivotal mountings at its ends, the pivotal axes of said last-named mountings being in alignment and in substantial parallelism with said first named axes, a connection between said front link and said front bar including a gear sector carried by said front link and adapted to rotate therewith above said last-named axes, and co-operating rack means on one of said transverse members rising forwardly to elevate progressively the front of said seat frame as said front link is rotated to advance said seat, and locking means carried by said seat frame to secure said seat frame in various successive positions of adjustment.

2,469,244
INDEPENDENT FRONT WHEEL SUSPENSION
George D. Rowland, Dearborn, and Harold J. Morris, Wayne, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application June 10, 1946, Serial No. 675,513
4 Claims. (Cl. 280—124)



1. In a wheel suspension for a vehicle having a frame and a road wheel, a relatively heavy thrust arm of generally wishbone shape having its forward end bifurcated and pivotally mounted directly upon said frame at relatively widely spaced points for pivotal movement about a generally transversely extending axis, a wheel car-

rier pivotally connected to the rearward end of said thrust arm and supporting said road wheel, a pair of vertically spaced transversely extending torsion bars each anchored to said frame at the side of the latter remote from said road wheel, one of said torsion bars being above said thrust arm and the other of said torsion bars being below said thrust arm, and a pair of generally parallel longitudinally extending suspension arms each connected at its forward end to one of said torsion bars and pivotally connected at its rearward end to said wheel carrier so that said torsion bars and suspension arms resiliently suspend said road wheel and said heavy thrust arm takes substantially the entire longitudinal and transverse thrust of said road wheel.

2,469,245

METHOD OF TREATING FABRICS AND RESULTING PRODUCT

Frank H. Russell, Needham, Mass., assignor to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts

Application March 6, 1947, Serial No. 732,841
14 Claims. (Cl. 28—74)



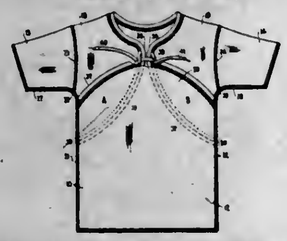
2. Method of developing the structure and surface of a textile fabric, which comprises the steps of raising a nap upon the fabric, as a backing, with the nap fibers projecting outwardly therefrom and substantially parallel to each other, bending the free ends of the raised nap fibers inwardly toward the backing, and in interlocking arrangement with adjacent nap fibers, in such reversed position, and treating the nap with a liquid dispersion of a condensed polyvinyl ester.

2,469,246

INFANT'S SHIRT

Emma A. Smicker, Allentown, Pa., assignor to Blossom Products Corporation, Allentown, Pa., a corporation of Pennsylvania

Application May 20, 1947, Serial No. 749,198
7 Claims. (Cl. 2—113)



1. An infant's shirt comprising a front portion, a rear portion attached to the front portion with side seams and extending up to the shoulder level of the shirt, two side flaps extending downwardly from said shoulder level and inwardly from said side seams, a front flap merged with said front portion at the upper part thereof, and sleeves attached to said rear portion and side flaps; said front flap having an upper convexly curved edge extending across the front of the garment and attached and hinged at said side seams; said side flaps being adapted to be brought into a predetermined closed position with their inner edges in opposed relation and forming a neck opening, the said inner edges containing opposed convexly curved edges extending from said neck opening downwardly and outwardly to said side seams and attached thereat, the said inner edges of the side flaps in the region of the neck opening being in adjacent relation when the flaps are in their closed position; the said front flap being adapted to be brought into a closed position in overlying relation to predetermined lower portions of the side flaps, the uppermost central edge portion of the front flap being adjacent said adjacent portions of the inner flaps when closed; an elastic loop attached to the front flap at the upper central portion thereof and coacting tie-strings at the innermost edges of the side flaps, said tie-strings being engageable with each other and with the elastic loop for securing together the said flaps when in their closed positions.

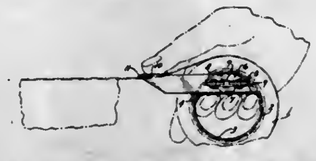
7. In a garment of the character described, a pair of side flaps which swing forwardly and inwardly toward each other into closed position, the leading edges of said side flaps being convex in shape and being in proximate spaced relation to each other when the flaps are in closed position, a front flap which swings upwardly and backwardly into closed position in overlying relation with respect to the two side flaps, the leading edge of said front flap being also convex in shape and intersecting the leading edges of the two side flaps in the region of their closest proximity, a pair of tie-strings fastened to the leading edges of said side flaps at the points of intersection with the leading edge of the front flap and a loop formed on the leading edge of the front flap at said intersecting points, said tie-strings being engageable with each other and with the loop to hold the three flaps in closed position.

2,469,247

TAPE HOLDER

Wheeler B. Smith, Detroit, Mich.

Application February 14, 1947, Serial No. 728,606
4 Claims. (Cl. 242—55.5)



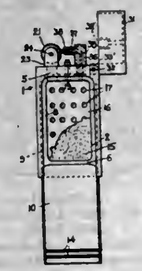
1. A tape holder including a cylinder adapted to receive a spool of tape around it, a member immovable in the cylinder and projecting partway across its bore to facilitate holding the cylinder against rotation as the spool turns around the cylinder, parallel arms detachably mounted on the member and extending adjacent opposite sides of the cylinder and substantially radially thereto, said arms being held immovable relative to the cylinder, a cross bar integral with said arms at their outer extremities and extending between the latter, and a cutter blade across the outer transverse face of the cross bar.

2,469,248

CIGARETTE AND PIPE LIGHTER

Kurt Stoye, New York, N. Y., assignor, by mesne assignments, to Leo C. Krasinski, New York, N. Y.

Application January 26, 1946, Serial No. 643,623
12 Claims. (Cl. 67—7.1)



12. A cigarette and pipe lighter comprising a hollow body with a single compartment for both fuel and air required in producing a flame and having an opening for filling the body with a liquid fuel; a closure for the opening; a tube extending from the body; a wick in said tube adapted to be saturated with the liquid fuel; means on the body for igniting the wick; means associated with said tube and wick for directing a jet of flame at a predetermined angle; and a diaphragm forming a wall of the body adapted to be manually depressed for ejecting said fuel and producing said jet of flame.

2,469,249

PROCESS OF SCOURING CELLULOSIC TEXTILES USING STEAM

George P. Vincent, Briarcliff Manor, N. Y., and Archie Louis Dubeau, Rumford, R. I., assignors to Mathieson Chemical Corporation, a corporation of Virginia

No Drawing. Application November 27, 1945, Serial No. 631,222
3 Claims. (Cl. 8—139)

1. In the process of scouring cellulosic textile materials wherein the textile, while impregnated with an aqueous scouring liquor, is subjected to the action of steam in a steaming zone and is thereafter removed from the steaming zone and transferred to a physically remote washing zone, the improvement which comprises maintaining the textile at a temperature not lower than about 140° F. during the interval between the steaming operation and the washing operation.

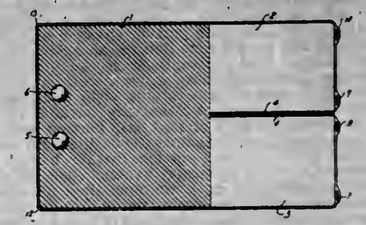
2,469,250

LADY'S HEAD COVERING

Alma von Schrenk, New York, N. Y.

Application May 21, 1947, Serial No. 749,441
2 Claims. (Cl. 2—198)

1. A lady's head covering comprising a rectangular section of knitted material, of a single thickness throughout and of substantially uniform width throughout, a body portion, two independent wings at one end thereof joined to the body portion, fastening elements on each of the wings and cooperating fastening elements on the body portion thereof, the said body portion being adapted to be laid upon the head of the wearer and said wing portions being adapted to be crossed at the back of the wearer's head and said



fastening elements secured together at the forward part of the wearer's head.

2,469,251

ENVELOPE

Edward R. White, New Rochelle, N. Y.

Application December 21, 1945, Serial No. 636,302
9 Claims. (Cl. 229—82)



1. In a single seam envelope consisting of a single front, two side flaps on the sides of said front permanently joined at their free ends to form the back, a bottom flap folded over the two side flaps forming the back and permanently joined thereto, and a flap extending from the front beyond the back and having a fold line adapted to form a closing flap for the envelope, the combination of a sheath formed by the closing flap placed between the front and back with a slot on the fold line of the closing flap, a tongue flap on one of the side flaps substantially of a length equal to the length of the closing flap and of a width substantially equal to the width of the slot, whereby the entrance of the tongue flap into said slot, and the bridging of the space between the front and the closing flap and the engaging of the sheath, the front and back are held closed without the need of other fastening means.

2,469,252

MEANS FOR MOUNTING WALL AND CEILING PANELING

Wallace A. Wiegert and Edward W. Dunham, Floral Park, N. Y.

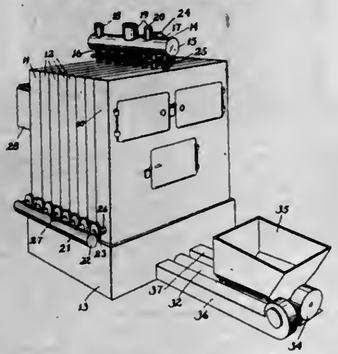
Application September 6, 1945, Serial No. 614,658
3 Claims. (Cl. 20—15)



1. Means for securing wall paneling over an existing wall structure, comprising a furring strip of light, thin, flat sheet metal having the central longitudinal portion of the same depressed in a shallow, narrow, flat nail head receiving groove forming a shallow, longitudinal embossment on the back of the strip for engagement over the wall structure and thin, flat, narrow edge flanges at opposite sides of and arranged to be supported by said embossment in close parallel relation in

front of the wall structure and a wall panel supporting clip engaged over one of the edge flanges of said furring strip and comprising a flat piece of thin, springy sheet metal having a substantially rectangular base portion engaged over the front of one of said edge flanges, an extension at one edge of said substantially rectangular base portion projecting rearwardly therefrom about the outer edge of said furring strip flange and extending in close, substantially parallel relation across the back of said base portion and in binding engagement against the back of said edge flange and said base portion further having a forwardly offset extension at one edge of the same terminating in a wall panel penetrating point projecting in closely spaced, substantially parallel relation across the front of said base portion in position for entry in the edge of a wall panel placed in supported engagement over the front of said furring strip.

2,469,253
SECTIONAL BOILER
Norwood Achey, Rossville, Ga.
Application April 15, 1946, Serial No. 662,387
2 Claims. (Cl. 122—225)



1. A sectional steel boiler including a front, a back and a plurality of intermediate sections communicatively connected and enclosing a combustion chamber; said intermediate sections being hollow and having at least two spaced horizontally aligned registering openings extending therethrough forming flue passages, said openings having water backed walls; said front section being hollow and having an opening extending through its lower portion to provide access to said combustion chamber and having an elongated transverse pocket formed in its upper portion, said opening having water backed walls and being provided with a closure member, said pocket opening rearwardly and communicating with said flue passages and having its top, bottom and side walls water backed, the front wall of said pocket having openings therein to provide access to said flue passages for cleaning, said openings in said front wall being provided with closure members; said back section being hollow and having at least one flue passage having water backed walls extending therethrough and communicating with one of said flue passages through the intermediate sections and at least one elongated vertically extending pocket, said pocket being open in front and having water backed top, back and side walls and having its lower end opening into the combustion chamber and its upper end communicating with another of the flue passages through the intermediate sections; all of said sections being independent of each other and having external nipples at their top and bottom portions connected to outlet and return headers, respectively, and constituting the sole connections between said sections, whereby any of said sections may readily be removed and replaced without disturbing the other sections; the construction being such that the hot gases of combustion will be directed upwardly and forwardly through one of the flue passages in the intermediate sections into the pocket formed in the front section where they are directed inwardly and rearwardly through another of the flue passages in the intermediate section into and through a flue passage of the back section.

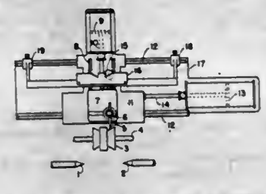
2,469,254
EAR TRUMPET, INCLUDING ADJUSTABLE SECTIONS
Severin B. Bankson, San Francisco, Calif.
Application January 15, 1946, Serial No. 641,269
2 Claims. (Cl. 181—25)



1. An acoustic device comprising a pair of outer ear enclosing shell members forming a resonant chamber, each member including a substantially rectangular plate, two contiguous margins of each of said plates being bent over to form a curved channel for enclosing a portion of the outer ear, said channels slidably interfitting each other and maintaining said shell members in frictional contact, means on the plates for locking the same in selected adjusted positions relative to each other, and another margin of one of said plates bent over to form a channel and engaging a corresponding margin of the other plate to maintain the said shell members in slidable engagement.

2,469,255
PATTERN CONTROLLED GRINDING WHEEL DRESSING MECHANISM
Frederick A. Barnes, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application November 18, 1944, Serial No. 564,056
5 Claims. (Cl. 125—11)

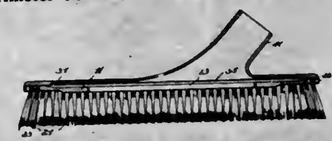
1. A grinding machine having a pair of axially aligned centers for mounting and rotating a workpiece and having a grinding wheel mounted for rotation upon a spindle about an axis parallel to the axis of said aligned centers and movable laterally into contact with the workpiece, apparatus for forming a profile on the grinding wheel, said profile being the complement of a profile required to be ground thereby on the workpiece, said apparatus comprising a carriage member adapted to move longitudinally relative to said spindle, a cross slide mounted on said carriage adapted to move laterally relative to said spindle, a dressing tool carried by said cross slide, pattern controlled pneumatic pressure means including a pattern and tracer means adapted to scan said pattern, said tracer means variably discharging air to atmosphere from a substantially constant pressure source in accordance with the form of said pattern to thereby produce variations in air pressure corresponding to said pattern between said constant pressure source and said tracer means, a first fluid motor adapted to move the cross slide and tool laterally with respect to said spindle of the grinding wheel, a second fluid motor adapted to move the carriage and cross slide longitudinally with respect to said spindle, pilot valve means adapted to control the speed and direction of travel of said first fluid motor, said pilot valve means having a stop position to hold said first fluid motor and cross slide laterally stationary with respect to said spindle at any given position, first pressure responsive means responsive to said variations in pressure for operating said pilot valve means in accordance with the form of said pattern, a variable fluid resistance valve regulating the rate of hydraulic fluid passage to or from said second fluid motor and thereby control the speed of travel of said carriage longitudinally relative to said spindle,



said fluid resistance valve having a stop position to hold said second fluid motor and carriage longitudinally stationary with respect to said spindle at any given position, and second pressure responsive means responsive to said variations in pressure for operating said fluid resistance valve in accordance with the form of said pattern, said first and second pressure responsive means jointly controlling said resistance and pilot valves in response to said variations in pressure, whereby a profile parallel to said spindle is formed upon said grinding wheel by the pilot valve stopping the flow of fluid to said first fluid motor and the fluid resistance valve allowing a flow of fluid to said second fluid motor, a profile at right angles to said spindle being formed by the fluid resistance valve stopping the flow of fluid to the second fluid motor and the pilot valve allowing a flow of fluid to said first fluid motor to move the cross slide laterally with respect to the spindle, and profiles other than parallel or right angle profiles being formed on the grinding wheel by the simultaneous movement of both said first and second fluid motors.

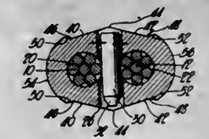
2,469,256
DUSTING BRUSH FOR VACUUM CLEANERS
Abram L. Brakman, Rochester, N. Y.
Application October 18, 1945, Serial No. 623,079
2 Claims. (Cl. 15—398)

1. A vacuum dusting brush comprising a relatively long and narrow brush back member having two rows of bristles projecting obliquely downwardly and outwardly from the lower face of said back member continuously around all sides of said member, said bristles being relatively long and flexible, a slot formed through the thickness of said brush back member and extending longitudinally thereof approximately centrally thereof throughout the major part of the length of said back member, a cover member overlying said back member, said cover member having a depending marginal flange around its periphery embracing and covering the lateral edge of said back member substantially completely around the perimeter thereof, the lower face of said cover



member being spaced upwardly from the upper face of said back member throughout the central part of said member, and a tubular vacuum connection neck formed integrally with said cover member and rising obliquely therefrom at a point intermediate the ends of said cover member, said tubular neck having an axis lying approximately in the same vertical plane as the longitudinal axis of said back member and cover member and being inclined at an angle of approximately 45 degrees to said longitudinal axis.

2,469,257
FITTING FOR WIRE STRUCTURES
Alan E. Brickman, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Original application November 13, 1944, Serial No. 563,286. Divided and this application November 1, 1945, Serial No. 626,047
3 Claims. (Cl. 24—126)

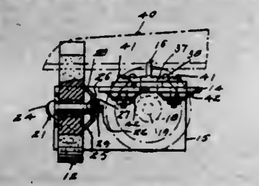


1. An article of manufacture comprising a metallic fitting having a pair of substantially parallel apertures extending longitudinally therethrough, each of said apertures being of substantially uniform cross-section throughout its length and adapted to receive a standard wire element; a median wall portion between said apertures, said median wall portion having an opening therethrough with its axis in a plane extending between said elements, said opening being of greater diameter than the thickness of said wall portion, and a locking pin of larger diameter than the transverse thickness of said median wall portion extending through said openings and wedgingly contacting both elements, the diameter of said locking pin being materially smaller than the diameter of said opening.

2,469,258
SHARPENER
Jacob Brockley, Newport News, Va.
Application January 23, 1947, Serial No. 723,837
1 Claim. (Cl. 51—214)

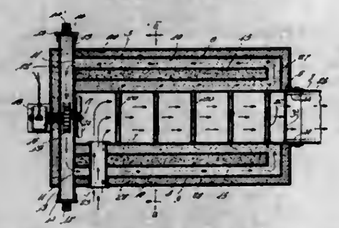
A sharpening device comprising a base, an L-shaped clamping member on said base extending downwardly therefrom for clamping said

base on a support, a vertically extending flange on said base, upwardly extending arms on said flange, a pair of peripherally engaging sharpening rollers on said arms, headed bolts engaging through said arms and said rollers adjustably mounting said rollers on said arms, a reduced



diameter threaded end on said bolts defining a shoulder adjacent said end, a spring spider on said threaded end engaging said rollers and said shoulder for frictionally holding said rollers against rotation, and a nut on said bolts for adjusting the tension of said spider.

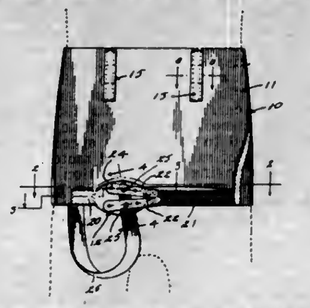
2,469,259
AIR CONDITIONER
William E. Burgess, New Orleans, La.
Application February 7, 1946, Serial No. 646,108
1 Claim. (Cl. 62—129)



An air conditioner comprising an outer casing open at one end and having an insulating lining, a pair of refrigerant liquid containers in said casing extending along the length thereof and spaced apart transversely of said casing forming an air conductor therebetween opening through the open end of said casing, refrigerant containers in each of said liquid containers spaced from the walls thereof providing liquid conducting passages about the refrigerant containers, a header at the closed end of said casing connecting said liquid containers and extending through opposite side walls of said casing, tubes between said spaced liquid containers extending across said air conductor, an air inlet pipe through a side wall of said conditioner at the closed end communicating with said air conductor, a fan in said air conductor for flowing the air between said liquid containers and over said tubes and means for circulating the liquid through said liquid containers, said tubes and said header.

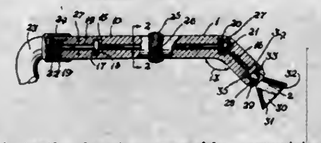
2,469,260
TRUSS
Bennett Chalk, Far Rockaway, N. Y.
Application January 3, 1947, Serial No. 720,123
1 Claim. (Cl. 128—96)

A truss of the kind described comprising an elastic body encircling girdle, the lower front edge of said girdle being upwardly offset forming a rectangular notch thereacross, a horizontally extending strap secured to said girdle at one end of said notch and extending over the edge of the girdle, a resilient pad fixedly carried by said strap and engaging in said notch, a resilient horizontal strap fixedly secured to the edge of the girdle at the opposite end of said notch, a



resilient vertical strap fixedly connected to the lower rear edge of said girdle and depending therefrom, and correlated inter-engaging fastening means carried by said pad and the free ends of said resilient straps for adjusting the pad vertically and horizontally on the wearer.

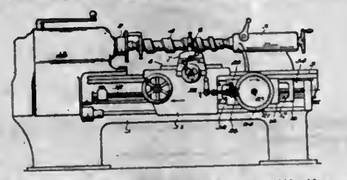
2,469,261
TEETH CLEANING ASSEMBLY
Fred B. Cooper, Moose Jaw, Saskatchewan, Canada
Application May 5, 1947, Serial No. 746,111
4 Claims. (Cl. 32—59)



1. A teeth cleaning assembly comprising in combination with a source of power, a handpiece and a rotary applicating element attached thereto, said handpiece embodying an elongated, longitudinally and diametrically bisected casing angulated as approximately 135 degress towards one end thereof and having an open-ended aperture extending therethrough to receive a primary and secondary drive shaft, a collar on said primary drive shaft positioned within an angular recess formed in said casing, said collar and recess functioning to sustain said shaft against end-shifting, means for maintaining the two parts of said casing in symmetrical contiguity, said element being secured to the end of said secondary driveshaft.

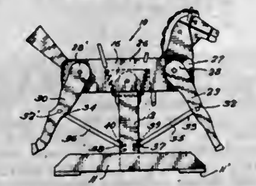
2,469,262
LATHE WITH VARIABLE SPEED CARRIAGE FEED
Alfred G. Eggers, Pittsburgh, Pa., assignor to Horix Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 11, 1948, Serial No. 32,337
10 Claims. (Cl. 82—5)

1. A lathe comprising a bed, a carriage slidable lengthwise thereof, a tool holder mounted on the carriage, a head stock and a tail stock mounted on the bed, a feed screw extending lengthwise of the bed, means for rotating the head stock and screw, a feed nut mounted on the screw, a rotatable cam, means connecting the cam with the nut for movement therewith, a stationary rack parallel to the screw, gear teeth



movable with the nut and meshing with the rack for turning the cam while the nut is being moved ahead by the feed screw, and means operatively connecting the cam with the carriage so that as the cam is turned it will move the carriage ahead at a different speed than the nut is moved ahead.

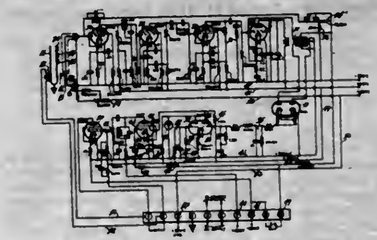
2,469,263
GALLOPING HOBBYHORSE
Henry J. Fischer, Warren Township, Macomb County, Mich.
Application November 30, 1945, Serial No. 631,908
3 Claims. (Cl. 272—52)



3. A hobby horse including a base, a vertical pedestal supported thereby, a U-shaped bar mounted longitudinally through the upper end of said pedestal forming oppositely extending upwardly inclined supporting ends, a body simulating a horse having a belly cavity formed in its under surface, depending supporting pins fixed in the opposite ends of said cavity spaced from and aligned with the upwardly inclined supporting ends, coil springs loosely and freely mounted between said spaced and aligned pins and ends, front and rear legs pivotally attached to the opposite ends of said body, and T-shaped links pivotally connected between said front legs and rear legs having their base ends pivotally attached to the lower end of said pedestal.

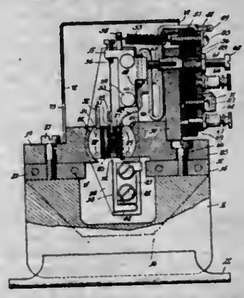
2,469,264
GENERATION AND MODULATION OF ALTERNATING CURRENT SIGNALS
Edwin A. Goldberg, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1944, Serial No. 565,695
3 Claims. (Cl. 250—36)

2. The combination of alternating current supply means having input and output circuits, modulating means having a pair of control grids, an alternating current amplifier having its input connected to the output circuit of said supply means and having an output circuit, means for applying a fixed unidirectional potential, means connected to said amplifier output circuit and responsive to said fixed unidirectional potential for applying to one of said modulator grids a potential representative of the difference between said fixed unidirectional potential and the amplitude of the output potential of said amplifier, means for applying the output potential of



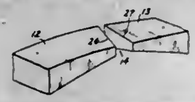
said amplifier to the other of said modulator grids, means for applying the output potential of said modulator to the input circuit of said supply means, means for adjusting the value of said fixed potential, and means for stabilizing said fixed potential at such adjusted value.

2,469,265
OSCILLOGRAPH
Claude M. Hathaway, Denver, Colo.
Application February 24, 1944, Serial No. 523,700
1 Claim. (Cl. 171—95)



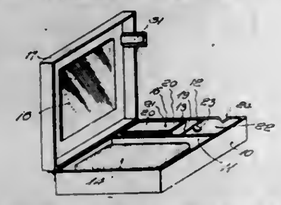
An oscillograph galvanometer comprising a magnetic field structure having a pair of pole piece extensions each provided with opposed concave surfaces corresponding to a section of a cylindrical surface, at least one of said pole piece extensions being adjustable relative to each other, a galvanometer element support comprising a vertical sheet of non-magnetic material, a galvanometer element mounted on one face of said sheet, a pair of paramagnetic pole tips mounted on said face of said sheet on opposite sides of said element, each pole tip having a convex surface complementary to the concave surface of said pole piece extensions whereby said tips serve as pivotal bearings supported by said pole piece extensions and said support may be shifted without changing the flux path of said structure, each tip adjacent said element being so shaped as to concentrate the flux of the magnetic field structure at said element, a mirror mounted on said element above said pole tips, a lens carried by one of said tips to concentrate light on said mirror, and means accessible from the exterior of said galvanometer for adjustably securing in position said galvanometer element and support.

2,469,266
MAGNETIC TRANSDUCER HAVING AN IRREGULAR NONMAGNETIC GAP
Hugh A. Howell, Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill., a corporation of Indiana
Application August 14, 1946, Serial No. 690,458
2 Claims. (Cl. 179—100.2)



1. A magnetic transducer head comprising a paramagnetic core having a pair of confronting pole portions with a nonmagnetic gap therebetween over which a traveling magnetizable tapelike record member is arranged to pass, the confronting faces of said pole portions being shaped to diverge from each other from one side edge of said gap to the other and said pole portions also being decreased in thickness from said first side edge to said second side edge, and a signal coil on said core for establishing a fluctuating magnetic field across said gap.

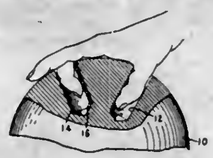
2,469,267
VANITY CASE AND ATOMIZER
Stanley Hutt, Washington, D. C., and Robert H. Symonds, Arlington, Va.
Application November 19, 1946, Serial No. 710,841
5 Claims. (Cl. 132—79)



1. A cosmetic container comprising a casing adapted to contain toilet articles, an open compartment in said casing, a bellows secured in said compartment, a closed compartment adjacent said open compartment adapted to contain liquid perfume, a re-entrant portion in said closed compartment, a nozzle secured in said closed compartment in communication with the perfume therein and having its outlet end located in said reentrant portion, a second nozzle operatively secured to said bellows and having its outlet end located in said reentrant portion in spaced relation to the outlet end of the first nozzle, a hinged closure for said casing adapted when opened to externally expose said nozzles, and means carried by said closure to seal the outlets in said reentrant portion when said closure is in closed position.

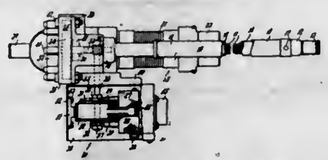
2,469,268
BOWLING BALL INSERT
Chester W. Jerome, Detroit, Mich.
Application March 25, 1948, Serial No. 16,931
5 Claims. (Cl. 273—63)

1. In a bowling ball having a generally cylindrical finger receiving hole, said ball provided in the wall surrounding the hole with a groove extending from the outer end of the hole lengthwise thereof, said groove extending for an arcuate distance substantially less than the complete circumference of the hole and an insert of com-



pressible resilient material seated within and filling said groove.

2,469,269
UNITARY MECHANICAL ACTUATOR DEVICE
William P. Lear, Piqua, Ohio, assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Application April 17, 1943, Serial No. 483,515
7 Claims. (Cl. 192—143)

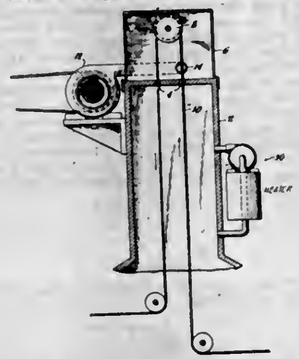


1. A linear actuator unit comprising, in combination, a gear housing; a linear actuator secured to said gear housing and including a pair of relatively rotatable and axially extensible threadedly engaged members; an electric motor secured to said gear housing; a control mechanism housing secured to said gear housing; gearing in said gear housing connected to one of said linear actuator members; an electromagnetic clutch secured to said motor and energized, upon energization of said motor, to connect said motor to said gearing to rotate said one member relative to the other member for effecting extension and retraction of said linear actuator when the other said member is held from rotation; switch means in said control mechanism housing selectively operable to interrupt the energization of said electric motor and electromagnetic clutch responsive to a predetermined actuation of said linear actuator; and means operatively associated with said gearing for actuating said switch means.

2,469,270
APPARATUS FOR SETTING FINISHING COMPOSITIONS
Robert A. Liebel, Allentown, Pa.
Application August 21, 1945, Serial No. 611,866
1 Claim. (Cl. 34—68)

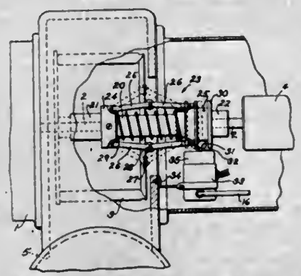
Apparatus for hardening a coating of heat-hardenable finishing material on strip metal, the apparatus comprising a gas-filled, heated oven, a wall of the oven provided with openings of size somewhat larger than the cross section of the coated strip metal, an enclosure forming with the said wall an air space, an inlet for air to the said space, the space being closed except for the said openings and inlet, a roller, means mounting the roller within the said space, means for drawing the coated strip metal in succession through the said oven, through one of the said openings and over the roller, and then through another of the said openings, and means for introducing

air through the said inlet and delivering it to a position between the said one of the openings and the said roller and at a positive pressure above that of the gas in the oven at the level of



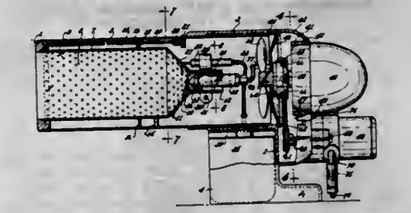
the said openings, the said openings during use of the apparatus permitting free escape of the air through them and round the heated strip material.

2,469,271
OIL BURNER
Joseph A. Logan, Hadley, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application January 21, 1946, Serial No. 642,556
1 Claim. (Cl. 158—28)



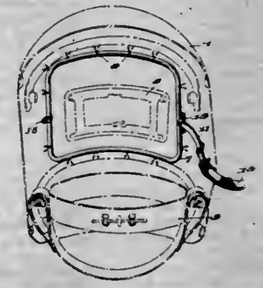
An electrically operated automatic oil burner of the oil pressure atomizing type having a pressure atomizing nozzle, a pump for supplying oil under high pressure thereto, a conduit connecting the pump and the nozzle, a pressure regulating valve in said conduit, and in combination therewith an unloading by-pass for the pump, a self-opening spring pressed valve in said by-pass, a magnetic device adapted when energized to close said valve against its spring, a switch to energize said magnetic device, a fan to supply air, an air tube to conduct air from the fan to the nozzle, a motor for driving the fan and the pump, a driving transmission coupling said motor, fan and pump, a centrifugal governor mounted on said driving transmission, means on said governor to close said switch and energize said magnetic device when said governor reaches high speed operation, whereby said unloading by-pass will be closed and said pump will operate to deliver oil to said nozzle outlet only when said magnetic device is energized under conditions of high speed motor operation, all for the purpose described.

2,469,272
PRESSURE ATOMIZING OIL BURNER
Joseph A. Logan, Hadley, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application September 6, 1946, Serial No. 695,239
4 Claims. (Cl. 158—28)



1. A fuel and air supply unit for oil burners, comprising, a supporting frame having a straight cylindrical air passage therethrough open at opposite ends, a hollow frame closing one end of said passage and having its interior communicating with the last-named end of said passage, said hollow frame being supported by said supporting frame and connected thereto for quick and convenient movement to open said end when required and to subsequently close it, a motor fixed to the hollow frame and located outside the same and outside said passage, said motor having a shaft extending into the rear end of said passage and coaxially thereof, a propeller type fan fixed to said shaft, said hollow frame having openings therein for admission of air to the space between the fan and motor, an oil pump fixed to the hollow frame and located below the motor and outside said passage, said pump having a shaft extending into the interior of the hollow frame parallel with and below the motor shaft, and driving connections between said shafts and located entirely within the hollow frame.

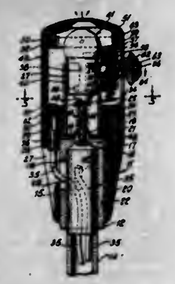
2,469,273
WELDING MASK ATTACHMENT
Charles M. Parker, Kelford, N. C.
Application August 22, 1944, Serial No. 550,519½
5 Claims. (Cl. 2—8)



1. An attachment for use with welders' hoods of the type having a face-covering portion with a

sight opening therethrough, the said attachment comprising a perforated air supply pipe adapted to be connected to a source of air under pressure positioned around the sight opening within the face-covering portion of the hood, the said perforations in the air supply pipe being positioned in the outer peripheral surface thereof and constructed for discharging air in an outward direction around the sight opening.

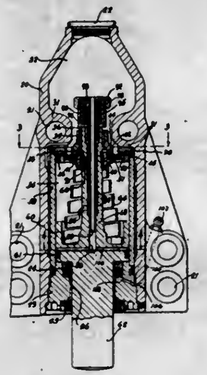
2,469,274
ELECTRICAL SWITCH
Charles Rein, Scarsdale, N. Y.
Application June 3, 1947, Serial No. 752,033
7 Claims. (Cl. 200—167)



3. An electrical switch unit adapted to serve as a grasp knob for the end of a lever comprising, in combination; a metallic base structure serving as means to mount the unit on such lever and as a grounding connection; an elongated, metallic electric lamp socket sleeve; means supporting said lamp socket sleeve on and insulating it from said base structure; casing means arranged circumambiently of said lamp socket sleeve and spaced laterally therefrom, said casing means having a hole therein and having at least a portion of light-transmitting character; a pair of spaced apart, circuit terminal contacts mounted on and insulated from said base structure and arranged between said socket sleeve and said casing means; longitudinally reciprocable contact means slidably mounted within said casing means upon said lamp socket sleeve adapted in a make position to bridge said circuit terminal contacts and simultaneously to connect said lamp socket sleeve thereto, said reciprocable contact means being adapted in another position of break to disconnect said lamp socket sleeve from said contacts and disconnect the latter from each other; and manually-engageable means mounted on said reciprocable contact means and projecting through the hole in the casing for external access to slide longitudinally of said casing contact means between its make and break positions.

2,469,275
HYDRAULIC BUFFER
Edwin F. Rossman, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 4, 1945, Serial No. 603,179
10 Claims. (Cl. 267—64)

9. An hydraulic buffer comprising in combination; a housing; a centrally apertured partition in said housing dividing it into two compartments, one of which is a fluid reservoir, the other providing a working cylinder; a centrally apertured plug in the outer end of the cylinder opposite the partition; a reciprocal piston in said cylinder, having oppositely disposed extensions one of which is slidably supported in the central aperture of the partition, the other in the central aperture of the plug and extending to the exterior of the housing; a spring interposed between the piston and the partition, urging the piston upon the plug; a fluid flow passage in the partition and about the piston extension slidable therein and providing communication between the working cylinder and the fluid reservoir; means on the last mentioned piston ex-

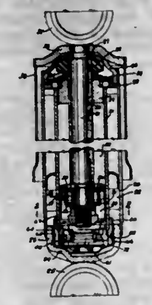


tension for increasingly restricting the flow of fluid through said fluid flow passage in response to movement of the piston toward the partition and in accordance with the degree of movement of the piston; valved ducts in the partition for establishing a substantially free flow of fluid from the reservoir into the working cylinder in response to movement of the piston by the spring; a bleeder duct in the piston providing communication between the annular wall of the piston and the reservoir; and an annular groove in the piston wall between the bleeder duct opening and the surface of the piston engageable with the plug, said groove containing a packing seal frictionally engaging the annular wall of the cylinder.

2,469,276
SEDIMENT TRAP FOR HYDRAULIC SHOCK ABSORBERS
Edwin F. Rossman, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 17, 1947, Serial No. 742,061
2 Claims. (Cl. 188—100)

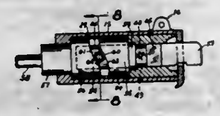
1. In a hydraulic shock absorber having a working cylinder and a fluid containing reservoir in communication with the working cylinder, the combination with means for displacing fluid between the reservoir and cylinder; of a cup member in the reservoir, said cup member cooperating with a wall of the reservoir to form a sump

chamber in communication with the reservoir but isolated from the flow of the fluid between the



reservoir and cylinder, for collecting and segregating sediment and foreign particles in the fluid.

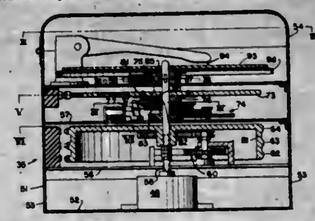
2,469,277
POWER CONVERSION ATTACHMENT
Benjamin F. Schmidt, Los Angeles, Calif.
Application August 21, 1944, Serial No. 550,361
5 Claims. (Cl. 74—57)



1. In a device of the character referred to, the combination of: a housing, a hollow cylindrical body rotatable within said housing, a pair of cylindrical members secured within said body in spaced relation to each other and having opposed faces co-operating to form a cam track, one of said members having an axially extending shank for attachment to a source of rotative power and an axial socket, and the other of said members having an axial bore, a tool holding shank extending through the axial bore of said second named member and into the socket of said first named member and being slidable relatively to said members, rollers radially journaled on said shank and extending into the cam track between said members, and means in the housing co-operating with said tool holding shank to insure rectilinear movement thereof during the rotative movement of said members.

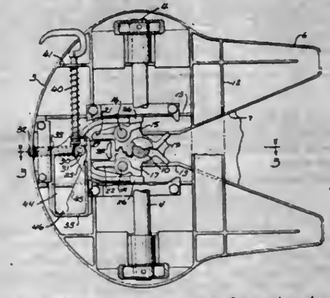
2,469,278
TELEPHONE ALARM SYSTEM
Ralph A. Sears, Bexley, Ohio
Application March 18, 1947, Serial No. 735,487
8 Claims. (Cl. 179—5)

1. An alarm system comprising a circuit having a power section and a telephone section; a relay with a pair of switches, one of said switches being disposed in said telephone section and the other in said power section; a trip switch operative to actuate said relay to close said switches when a predetermined condition exists in the region served by the system; a dialing switch in the telephone section; record reproducing means having a pickup device connected in said telephone section; means for actuating said dialing switch and record reproducing means in timed sequence; means operated by an incoming signal on said telephone section to interrupt the operation of said alarm system; and means in said power sec-



tion for rendering said interrupting means effective only when said relay switches are closed.

2,469,279
COUPLING FOR TRACTORS AND SEMITRAILERS
Carl G. Seyferth, Muskegon, Mich., assignor to West Michigan Steel Foundry Company, Muskegon, Mich., a corporation of Michigan
Application November 21, 1946, Serial No. 711,353
9 Claims. (Cl. 280—33.05)

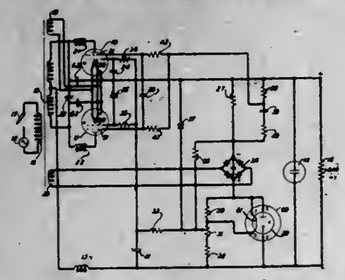


1. In a fifth wheel coupling for a tractor and semi-trailer having a lower fifth wheel member with movable latch means for receiving a king pin, an upper fifth wheel member having a king pin, and locking means for locking the latch in engagement with the king pin, said locking means being shiftable to release the locking action; an operating slide having an inclined plane, a projection on the locking means engageable by the inclined plane upon operation of the slide to shift the locking means to unlocked position, means for holding the slide in shifted position and means operable upon movement of the king pin out of the latching means for releasing the slide for reverse shifting movement thereof and for engaging and holding the locking means in unlocked position.

2,469,280
VOLTAGE REGULATOR TUBE CIRCUIT
Walter F. Scott, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 18, 1946, Serial No. 662,951
4 Claims. (Cl. 323—17)

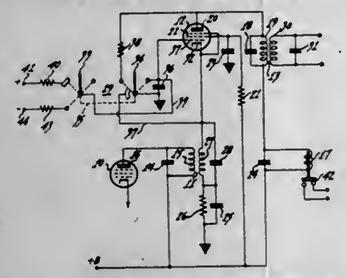
1. The combination, with means for supplying current from a current supply source to a load, of means for minimizing voltage changes across said load comprising a shunt current path connected across said load, said shunt current path com-

prising ohmic resistance, a cold cathode constant voltage tube having a space current path and a conductor, a socket for said tube, means including said conductor for completing a short-circuiting path across a first portion of said ohmic resistance and means for connecting said space current path across another portion of said ohmic



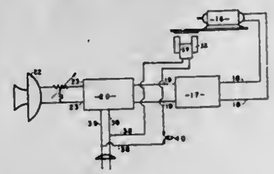
resistance to cause current to flow through said space current path, said tube being removable from its socket to open said short-circuiting path and to simultaneously interrupt the current flow through said space current path whereby said first portion of said ohmic resistance limits the current through said other portion of said ohmic resistance when said tube is removed.

2,469,281
PLURAL FUNCTION CIRCUIT
Richard H. Stafford, Lamoni, Iowa, assignor to Radio Corporation of America, a corporation of Delaware
Application July 8, 1946, Serial No. 681,902
6 Claims. (Cl. 250—27)



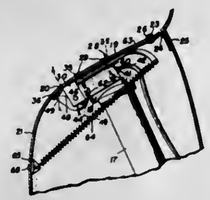
1. The combination of an alternating current amplifier including a first stage having an output circuit, a second stage including an electron discharge device having a grid for controlling current conduction between its cathode and anode and having its cathode connected to ground through means coupled to said output circuit, a circuit tuned to said alternating current, a device responsive only to unidirectional current, means for applying operating potential to said anode through said tuned circuit and said device, a capacitor connected between said grid and ground, an impedance device, and a switch arranged to be closed in one position for short circuiting said capacitor and to be closed in another position for grounding said cathode and connecting said impedance means between said cathode and anode.

2,469,282
DEVICE FOR INDICATING THE SUM OF THE INTENSITY AND DURATION OF SOUND
Rudolph W. Stanmyre, Syracuse, N. Y.
Application October 26, 1946, Serial No. 705,889
4 Claims. (Cl. 177—311)



1. A device for indicating the sum of the intensity and duration of a sound comprising a microphone, an indicator, means operable in response to sound impressed upon the microphone to cause said indicator to indicate the sum of the intensity and duration of the sound impressed upon the microphone, and means operable to cause said indicator to maintain said indication after the intensity of the sound diminishes, and means operable to release said indicator.

2,469,283
FENDER DOOR LOCK
Homer M. Steele, Ashland, Ky.
Application January 30, 1947, Serial No. 725,326
4 Claims. (Cl. 292—201)



3. A door lock of the class described comprising a wall having an opening therein, a door hinged to cooperate with and close said opening, a housing mounted beneath the door, a latch plate in the form of a disc mounted on said housing for vertical rocking movement on a horizontal axis and having a notch therein and a finger at one side of said notch, the other side of the notch adapted to engage the wall upon closing of the door to turn the latch and move the finger to locking engagement with said wall, the edge portion of the disc also having ratchet notches therein, a vertically pivoted horizontally rockable catch cooperating with said ratchet notches and normally held in engagement therewith within the housing, and electro-magnetic means for releasing said catch to permit release of the latch plate, said electro-magnetic means including a solenoid having a movable core retractable into engagement with the catch for releasing the same from the latch plate, and spring means tending to open said door.

2,469,284
FLUSHING FLUID FOR HYDRAULIC BRAKE SYSTEMS
Chester M. White, Rochester, N. Y., assignor to Genesee Research Corporation, Rochester N. Y., a corporation of New York
No Drawing. Application September 7, 1945, Serial No. 615,078
5 Claims. (Cl. 252—153)

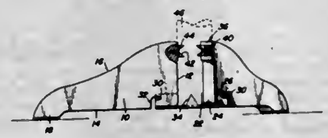
4. A substantially anhydrous flushing fluid for hydraulic brake systems comprising at least 70% of a lower straight chain aliphatic alcohol containing less than 4 carbon atoms, 1–20% of a compound effective to promote solvent action of the alcohol on hydraulic fluid deterioration products and selected from the group consisting of furfuryl alcohol, cyclohexanol, alpha terpinol, benzyl alcohol, thymol, cresol, 1,3,5 xylenol, phenol and catechol, and 1–5% of a compound effective to inhibit corrosion as well as promote solvent action of said alcohol and selected from the group consisting of morpholine, methyl morpholine, ethyl morpholine, pipyridine, cyclohexylamine, dicyclohexylamine, benzothiazol, pyridine and aniline.

2,469,285
HYDRAULIC PRESSURE TRANSMITTING FLUID
Chester M. White, Rochester, N. Y., assignor to Genesee Research Corporation, Rochester, N. Y., a corporation of New York
No Drawing. Application March 18, 1947, Serial No. 735,527
5 Claims. (Cl. 252—78)

1. A hydraulic pressure fluid consisting essentially of the following ingredients in the approximate percentages indicated:

	Per cent by weight
Tricresyl phosphate	20.00
Dipropylene glycol	40.00
Ethyl ether of triethylene glycol	39.10
Diamylamine phosphate	0.05
Diisopropylamine nitrite	0.05

2,469,286
CHRISTMAS TREE HOLDER
Rudolph A. Wuerl and Randell C. Watkins, Butte, Mont.
Application September 29, 1947, Serial No. 776,742
2 Claims. (Cl. 248—47)



1. A tree holder comprising a plurality of legs having lower edges, a base plate having a central portion, a tab struck upwardly from the central portion of said base plate, a plurality of circumferentially spaced, radially disposed channel members integrally formed with said base plate, the web portions of said channel members bearing against the lower edges of said legs, anchor plates carried by said legs, gripping teeth integrally formed with said anchor plates, and means removably securing said channel members to said legs.

2,469,287
REFRACTORY ELEMENT FOR ELECTRIC HEATERS
Frank Yokel, Pittsburgh, Pa.
Application October 10, 1945, Serial No. 621,414
12 Claims. (Cl. 201—63)

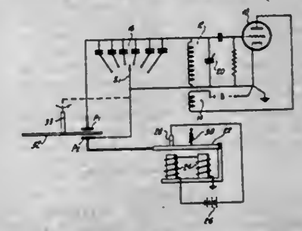


1. An article of the class described comprising a refractory body including a bore for an electrical heating element, said body having a plurality of fin portions extending circumferentially of the wall of said bore and arranged in spaced-apart relation longitudinally thereof to provide a plurality of heat-radiation-directing recesses extending transversely of said bore, and a web extending longitudinally between the successive circumferential portions and dividing said recesses into radial compartments.

2,469,288
ACETAL RESINS
David E. Adelson and Harold F. Gray, Jr., Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 20, 1943, Serial No. 503,160
5 Claims. (Cl. 260—73)

1. The homopolymer of a di-allyl acetal of a saturated aliphatic aldehyde of 1 to 4 carbon atoms.

2,469,289
FREQUENCY MODULATION
Joseph G. Beard, Haddonfield, and Leo W. Born, Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application February 26, 1945, Serial No. 579,802
6 Claims. (Cl. 250—36)



1. In a frequency modulated oscillation generator, an electron discharge device having its electrodes coupled in wave generating circuits including reactances at least two of which are variable, one of said reactances comprising condensers of different value, switching means for including a selected one of said condensers in said circuits to change the frequency at which said generator operates, said other of said reactances comprising a variable condenser having a fixed plate and a movable plate, mechanical means for varying said movable plate at a tone rate to modulate the frequency of the oscillations generated, and mechanical means linked to said switching means for operation therewith for

changing the effective capacity of said variable condenser when the frequency of operation is changed to hold the extent of modulation deviation of the oscillations generated throughout the range of operation of said generator substantially constant.

2,469,290
PROCESS FOR MAKING TETRACHLORODIFLUOROETHANE

John D. Calfee, Manhassett, and Patrick A. Florio, Brooklyn, N. Y., assignors to Allied Chemical & Dye Corporation, a corporation of New York

No Drawing. Application March 19, 1946, Serial No. 655,594
4 Claims. (Cl. 204—163)

1. The process for preparing tetrachlorodifluoroethane which comprises subjecting a mixture of ethylidene fluoride and not substantially less than 4 molecular proportions of chlorine to the simultaneous action of actinic radiation and heat at a temperature of not less than 400° C. and not more than 550° C. for a period of time sufficient to effect formation of substantial yield of tetrachlorodifluoroethane, and recovering tetrachlorodifluoroethane from the resulting reaction products.

2,469,291
TATTING SHUTTLE

Consuelo G. Cisneros, Hollywood, Calif.

Application April 15, 1947, Serial No. 741,546
3 Claims. (Cl. 87—59)



1. A tatting shuttle comprising two separable parts, a sleeve formation on one part adapted to receive a spool of thread when the other part has been separated therefrom, said sleeve portion having an opening through which thread may be extended, and means for securing the other part of the shuttle to the one part to retain the spool in place therewithin, said means including a threaded connecting screw secured to one of said separable parts, an internally screw-threaded receptor member secured to the other of said separable parts, said connecting screw being adapted to seat in said internally screw-threaded receptor member, and cooperating stop means attached to each of said separable parts to hold the parts so as to permit said spool to turn freely when secured in place in said sleeve.

2,469,292
DRINKING TUBE HOLDER

Catherine B. Cornwell, Belmont, Calif.

Application August 27, 1945, Serial No. 612,925
1 Claim. (Cl. 65—65)

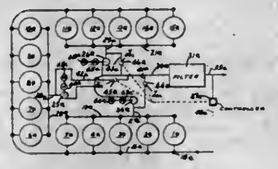


A device for retaining a drinking tube within a glass, comprising an elastic ring-shaped member compressible about the body of the glass, said member having hook ends, a cross pin having openings in the extremities thereof for receiving the hook ends of said compressible member, an elongated strip pivotally connected at its lower end to said pin, said strip having an opening in its upper end for receiving the drinking tube therein, an auxiliary clamp having a bottom portion positioned beneath the base of the glass, and spaced apertured ears formed on the upper end of said clamp capable of encompassing said pin and defining a pivotal mounting for the upper end of said clamp about said pin.

2,469,293
FILTRATION

Hobart O. Davidson, Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application June 27, 1945, Serial No. 601,901
2 Claims. (Cl. 210—62)



1. Apparatus for filtering a dispersion comprising a plurality of filters connected in series, positive displacement pumping means connected in advance of each filter, the pumping means immediately in advance of the last filter having a uniform discharge rate less than that of the other pumping means, a by-pass connection between the discharge and suction lines of each pumping means except the last, a relief valve in the by-pass connection, and means responsive to the pressure in the discharge line of each filter except the last for opening and closing the relief valve in the by-pass connection in advance of the respective filter.

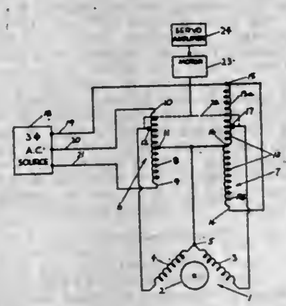
2. Apparatus for filtering a dispersion comprising a plurality of filters connected in series, each of the filters having a greater fineness than that of the preceding filter, positive displacement pumping means connected in advance of each filter, the pumping means immediately in advance of the last filter having a uniform discharge rate less than that of the other pumping means, a by-pass connection between the discharge and suction lines of each pumping means except the last, a relief valve in the by-pass connection, and means responsive to the pressure in the discharge line of each filter except the last for opening and closing the relief valve in the by-pass connection in advance of the respective filter.

2,469,294
INDUCTION MOTOR CONTROL SYSTEM

John W. Dawson, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application March 1, 1946, Serial No. 651,079
6 Claims. (Cl. 318—230)

1. A motor control circuit comprising a two-phase A. C. motor the speed of which is to be controlled, said motor having separate windings for each phase, a three-phase alternating current source having three terminals, a pair of transformer windings each having a continuously-variable contact thereon, one of said transformer windings comprising two sections wound in opposite directions and connected at their junction to the mid-point of the other of said transformer windings, circuit means connecting



the two ends of said one transformer winding together and to one of said terminals and the two ends of said other transformer winding to the other two of said terminals, means connecting each of said contacts to one of the windings of said motor, and means for simultaneously varying the positions of said contacts on their respective windings.

2,469,295
SYNTHETIC RESINS AND METHOD FOR PRODUCING SAME

Richard L. Meier and William E. Elwell, Berkeley, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 3, 1945, Serial No. 586,442
7 Claims. (Cl. 260—66)

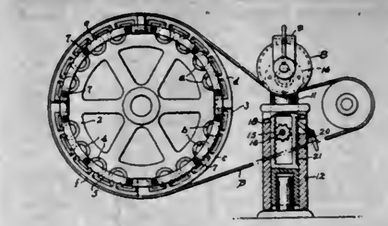
1. A viscous liquid to normally solid resinous copolymer of monomers consisting of vinyl pyridine in which the vinyl group is directly attached to a carbon atom of the pyridine ring and a ketone selected from the group consisting of methyl, ethyl, propyl, butyl and isobutyl vinyl ketones and methyl isopropenyl ketone, said vinyl pyridine being present in an amount of from 5% by weight based on said ketone to 75% by weight based on the mixture of ketone and vinyl pyridine.

2,469,296
BELT DRIVING MECHANISM

Sydney T. Farrell and Frederick L. Farrell, Belmont, Mass.

Application March 24, 1944, Serial No. 527,867
4 Claims. (Cl. 74—242.1)

1. A belt tensioning device comprising a pulley, a support for said pulley including a plunger, a stand in which said plunger is mounted and in which it is guided for vertical sliding movement, means connecting said plunger with said pulley to support the pulley in a laterally overhung relationship to said stand, said means including parts relatively adjustable to support said pulley in any one of a plurality of different angular positions around a horizontal axis passing through said plunger, said means being also constructed and arranged to support said pulley in a belt

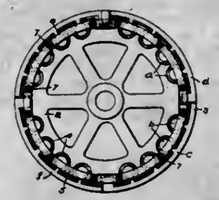


tensioning position both above or below said axis, as desired.

2,469,297
PULLEY

Sydney T. Farrell and Frederick L. Farrell, Belmont, Mass.

Original application March 24, 1944, Serial No. 527,867. Divided and this application July 24, 1946, Serial No. 685,819
5 Claims. (Cl. 74—230.5)



1. A pulley comprising a hub, a rim encircling said hub, one of said members being provided with ribs and the other with grooves in which said ribs are located, both the ribs and the grooves being in the line of the traction force transmitted from one of said members to the other, and cushioning means interposed between said rim and hub and substantially isolating them from each other, said cushioning means including parts located in said grooves and spacing said ribs from the walls of said grooves, the ribs being of greater width in a circumferential direction at intermediate points in their radial length than at other points in said length, and the grooves being of complemental form to receive said ribs, said points of maximum width of both the ribs and the grooves being positioned substantially in said line of traction as to avoid producing any dominant component of the traction force in a direction radially of the pulley, said cushioning means being free to expand and contract sufficiently to cushion the transmission of shock from said hub to the rim, or vice-versa.

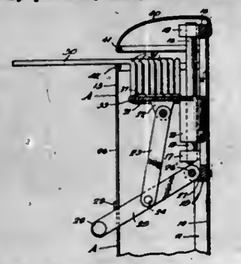
2,469,298
RACK STRUCTURE

Edward M. Gilmore, Jr., Chicago, Ill., assignor to Imagineering Corporation, Chicago, Ill., a corporation of Illinois

Application October 4, 1945, Serial No. 620,240
5 Claims. (Cl. 211—171)

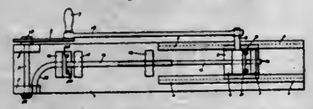
1. A rack structure comprising a frame providing a generally semi-circular track at its top, a

carriage member slidably mounted in said frame for vertical movement, a plurality of support members having portions bent at right angles and connected by pivotally supported means to said



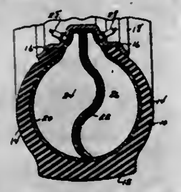
carriage member, portions of said support members resting upon said semi-circular track, and means for raising and lowering said carriage member to move said support members to vertical and horizontal positions.

2,469,299
CUTTING AND/OR MARKING APPARATUS
John Edward Hatfield, Letchworth, England, assignor, by mesne assignments, to Irving Air Chute Co. Inc., Buffalo, N. Y., a corporation
Application April 5, 1945, Serial No. 586,788
In Great Britain January 7, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires January 7, 1964
19 Claims. (Cl. 164—42)



1. In apparatus for cutting into a plurality of sections of desired length such materials as tape, elastic, cord, wire and the like, the combination of a frame, a slidable carriage upon the frame, material gripping means on the carriage, a crank having an axle rotatably supported upon the frame on a predetermined rotary axis, a connecting rod mechanism attached to said carriage and connected to said crank remote from its axis, and a material severing knife operatively connected with the axle of the crank.

2,469,300
TIRE
William J. Heyneman, Portsmouth, Va.
Application October 25, 1945, Serial No. 624,422
2 Claims. (Cl. 152—339)



1. In an inner tube for pneumatic tires, the combination which comprises a tube having a continuous centrally disposed longitudinally and radially extended web providing a partition dividing the tube into two complementary sections, the width of said web being equal to substantially one-half of the inner transverse circumference of the tube whereby with one section of the tube deflated, the web will be forced against the inner surface thereof to cover a puncture or bridge a rupture therein, the edges of said web being integral with the material of the tube and, reinforcing cord structure embedded within the web therein throughout the width thereof, and covered on both sides with material corresponding to that of the tube whereby when the web is forced against the inner surface of the tube, the pressure of the remaining section will provide a snug fit to close a puncture or blowout, said web having a thickness greater than that of the wall of the tube whereby the punctured or ruptured wall of the tube is reinforced thereby when the web is positioned against the inner peripheral surface thereof.

2,469,301
GOLF PRACTICE DEVICE
Frank L. Johnston, Portland, Oreg.
Application October 4, 1947, Serial No. 777,895
2 Claims. (Cl. 273—35)



1. Apparatus of the class described comprising a base, a hollow vertical column fixedly secured to the base, a shaft rotatably mounted within the column and adjustable vertically with respect thereto, a head rigidly secured to the upper end of said shaft, a body-embracing element attached to said head and rotatable with said shaft as a pivot point, and means formed centrally of said body-embracing element to provide a single point of contact with the spinal column of the user to restrict partial body movement about said shaft as the pivot point.

2,469,302
TRANSITORY GARMENT
Lynden M. Kelleher, San Francisco, Calif.
Application December 12, 1945, Serial No. 634,499
4 Claims. (Cl. 2—69)

1. Fastening means for a skirt-like garment adapted to be worn with the upper edge thereof encircling the waist of the wearer and with the end edges thereof in overlapped relation, said means comprising an elongated strip of fabric gathered into a plurality of substantially semi-circular loops along its length and having the portions thereof between the loops secured to the

garment, said strip being located adjacent the upper edge of the garment and one of its end edges and being substantially parallel to said upper edge of the garment, and another elongated strip of fabric having an end portion thereof secured to the garment adjacent the upper edge and the other end edge of said garment and having a free end with a button thereon, the secured end portion of said other strip being substantially

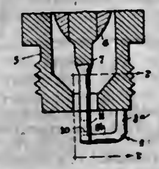


parallel with said first-mentioned strip and being located in closer relation thereto than the free end of said other strip, said loops being of such size in relation to said button that the latter is adapted for full-bodied introduction through a selected loop to secure the garment around the waist of a wearer whereupon the weight of the hanging garment as applied to the selected loop distorts said loop sufficiently to prevent accidental disengagement of said button therefrom.

2,469,303
INSECT REPELLENT COMPRISING BENZYL ETHERS OF ETHYLENE GLYCOL
Robert B. Killingsworth, Douglaston, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application March 15, 1945, Serial No. 582,994
1 Claim. (Cl. 167—30)

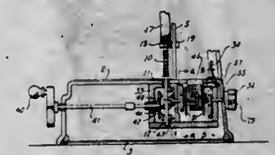
An insect repellent comprising a mono (trimethyl benzyl) ether of ethylene glycol, and a liquid carrier therefor.

2,469,304
SPARK PLUG
Richard J. Lukeman, Montreal, Quebec, Canada
Application January 10, 1947, Serial No. 721,359
1 Claim. (Cl. 123—169)



A multiple spark gap spark plug in which spark gaps of different predetermined lengths are provided by an arrangement of sparking terminals which has the effect of confining arcing of the current to that gap whose length is best suited to the compression of the engine cylinder in which the spark plug is fitted, said plug comprising a metal shell, an insulator fitted in said shell, a central insulated electrode extending downwardly through said insulator and said shell, the lower end of said electrode being branched to provide three terminals including two outer laterally spaced terminals of substantially equal length and a central terminal of shorter length located between said outer terminals, and a grounded electrode having one end secured to said shell and the other end interposed between the outer terminals of the insulated electrode in spaced relation thereto, said grounded electrode being also positioned below and in spaced relation to the central terminal of said insulated electrode, the relative arrangement of the grounded electrode and the terminals of the insulated electrode being such that the length of the spark gap between the grounded electrode and any one terminal of the insulated electrode is different from the length of the gap separating the grounded electrode from any one of the remaining terminals of the insulated electrode.

2,469,305
DEVICE FOR PROPORTIONING LIQUID MIXTURES
Joseph S. Maltese, Hempstead, N. Y., assignor to Rinshed-Mason Company, Detroit, Mich., a corporation of Michigan
Application May 18, 1945, Serial No. 594,547
6 Claims. (Cl. 33—126.7)



2. A device for the proportional mixing of paint, lacquer or the like comprising, a vertically adjustable element for contacting the surface of paint in a container, mechanism for vertically adjusting said element, counting means including a carrier, a plurality of counters on the carrier, the counters being operatively connected to the mechanism at different ratios so that each will indicate movement of the gauging element in equal increments of containers of different heights, means for providing a single sight opening and means for adjustably setting the carriage to position an elected counter at the sight opening.

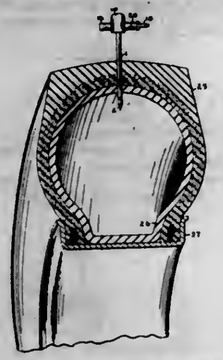
2,469,306
GARMENT SLEEVE BLOCK
Eugene H. McKeehan, St. Louis, Mo.
Application December 31, 1946, Serial No. 719,557
4 Claims. (Cl. 223—74)



1. A sleeve form retaining member adapted to be positioned within the cuff portion of a sleeve, comprising two flat bodies disposed in spaced end to end relation, one of said bodies having

outwardly bowed gradually converging sides joining in a rounded edge at the end of the body remote from the other body, the said other body having outwardly bowed sides in more sharply convergent relation than the sides of the said one body and merging in a rounded end edge, coupling means between the bodies facilitating their separatory movement, resilient means normally urging the bodies apart, and a flexible coupling between the bodies on the outer sides thereof for limiting the separatory movement of the bodies.

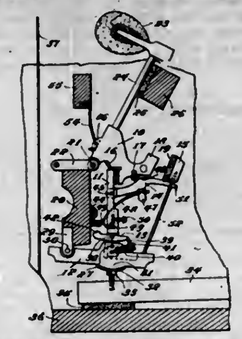
2,469,307
SELF-SEALING INNER TUBE DEMONSTRATION TOOL
Frederick E. Mechling, Akron, Ohio, assignor to Seiberling Rubber Company, Barberton, Ohio, a corporation of Delaware
Application March 26, 1948, Serial No. 17,219
1 Claim. (Cl. 35—49)



A tool for demonstrating the self-sealing properties of an inner tube inflated inside of a tire, which includes a rigid metal shaft which is hollow throughout most of its length and pointed at its inner end, an enlargement at the outer end of the shaft to serve as a head for driving the tool into a tire, a valve the stem of which passes through the head, the portions of the valve on both sides of the head being larger in diameter than the stem to facilitate manual removal of the tool from a tire, an opening through the valve stem, the hollow of the shaft connecting at the inner end of the shaft with holes located on different longitudinal surfaces of the shaft near the point and at different distances from the point, the hollow connecting at the other end with one end of the hole in the valve stem when the valve is in one position, and a hole in the head which with the valve in that position connects the other end of the hole in the stem with an opening in the surface of the head.

2,469,308
VERTICAL PIANO ACTION
Victor M. Montoya, Caracas, Venezuela
Application December 11, 1947, Serial No. 790,991
5 Claims. (Cl. 84—240)

1. An upright piano action, comprising a hammer having a butt, a jack positioned to impact the butt of the hammer in the upward movement thereof, a wippen positioned to be engaged by a piano key and adapted to actuate the jack, a back check carried by the wippen positioned to contact the hammer butt, a support rail on which the hammer butt and wippen are pivotally mounted, a jack control lever pivotally mounted



on the jack with one end extending toward the support rail, said rail having a stop thereon positioned to be engaged by the extending end of the said control lever, and means adjusting the position of said control lever.

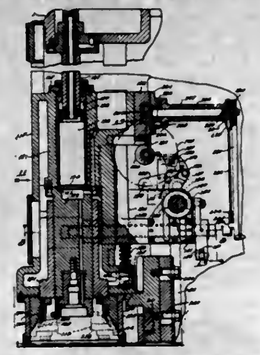
2,469,309
METHOD FOR PREVENTING ICE FORMATION ON SURFACES
Rupert C. Morris, Berkeley, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 20, 1943, Serial No. 503,154
7 Claims. (Cl. 252—78)

1. In a method for preventing ice formation on surfaces exposed to ice forming conditions the step comprising wetting said surfaces with a homogeneous fluid having a freezing point below 0° C., said homogeneous fluid consisting of between approximately 10% by weight and approximately 90% by weight of 3-sulfolanol and the remainder being substantially material selected from the group consisting of water, water-soluble alcohols, and mixtures thereof.

2,469,310
MACHINE FOR FORMING GEARS
Harry Pelphrey, Detroit, and James Martin, Ferndale, Mich., assignors to Michigan Tool Company, Detroit, Mich., a corporation of Delaware
Application May 31, 1946, Serial No. 673,366
17 Claims. (Cl. 90—10)

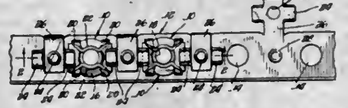
1. In a machine for forming simultaneously a plurality of teeth in a gear blank comprising, a base, a reciprocating ram mounted in said base, means to effect reciprocation of said ram, a ram guide housing mounted in said base in spaced, surrounding relationship to the ram, a spiral guide fixed to the ram within the ram housing, complementary spiral guides fixed interiorly of the ram guide housing, said guides proving mating spiral surfaces for effecting partial rotation of the ram about its longitudinal axis in accordance to the helix of a gear to be formed as said ram reciprocates, a lever secured to the ram guide housing, a crank pinned to said lever, a rotatable eccentric operatively associated with said crank, the rotation of said eccentric moving said crank,

movement of said crank effecting rotation of said lever and ram guide housing for reducing the



spiral angle followed by the ram during part of the operating cycle, and driving means to effect rotation of said eccentric.

2,469,311
SCREW LOCKING DEVICE
Ougljesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application March 22, 1945, Serial No. 584,099
4 Claims. (Cl. 85—32)



1. A locking device for screws including a nut supporting plate having a plurality of screw accommodating apertures, a nut member companion to each aperture supported on said plate, each nut including a base portion and side members projecting laterally from opposite edges of said base portion, and nut anchoring means including integral arms extending from one edge of said plate, said arms being folded over and superimposing said plate, and having laterally extending portions overlying opposite sections of the bases of adjacent companion nuts between a pair of side members thereof, the extremities of said laterally extending portions being in substantial alignment with the apertures longitudinally of said supporting plate.

2,469,312
SCREW LOCKING DEVICE
Ougljesa Jules Poupitch, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application March 22, 1945, Serial No. 584,100
4 Claims. (Cl. 85—32)

1. A locking device for screws comprising an apertured nut supporting plate, flanges extending laterally from opposite sides of said plate and including opposed lateral strap portions, a nut member transversely shorter than the distance between said flanges and supported by said plate for permissive relative movement between the said flanges, said nut member including a base, side members projecting laterally from the opposite edges of said base, nut anchoring means comprising a circuitous cage member having a pair of oppositely positioned parallel lengths longitudinally longer than the width of said strap portions and slidably embracing the outer surfaces thereof, and a pair of oppositely positioned interconnecting parallel lengths traversing said plate and slidably embraced by the inner surfaces of said side members whereby said nut member may be guidingly shifted rectilinearly within given limits along intersecting lines of direction, a portion of said flange overlying the first mentioned lengths of said cage member for retaining the said cage member in operative position.



2,469,313
ECCENTRIC DRIVE GEAR MECHANISM
Stanley Rzepela, Philadelphia, Pa.
Application September 27, 1948, Serial No. 51,413
6 Claims. (Cl. 74—30)

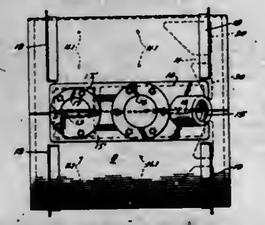
1. In a device of the kind described, the combination with a driving gear, of a head including a cup-like body member having an elongated recess centrally disposed therein, an elongated rack-carrying member fixed centrally in said recess, said gear being located between the rack-carrying member and the side of said recess, an eccentric strap surrounding said body member and rotatable with respect thereto for angular adjustment of the rack-carrying member with respect to the gear, and means to secure the eccentric strap in adjusted position.

2,469,314
CATALYST FOR CRACKING HYDROCARBONS
Lloyd B. Ryland, El Cerrito, and Miroslav Tamele, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 23, 1945, Serial No. 624,100
2 Claims. (Cl. 252—455)

1. A catalyst for the catalytic cracking of hydrocarbon oils consisting essentially of a substan-

tially homogeneous synthetic silica-alumina composite having between 18% and 38% by weight of alumina, an average pore diameter of at least 50 Å, a surface of at least 400 m.²/gm., and a particle density below 0.95 gm./cc.

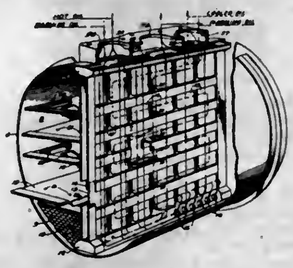
2,469,315
HEAT EXCHANGER
Joe C. Shaw, Racine, Wis., assignor to Young Radiator Company, Racine, Wis., a corporation of Wisconsin
Application May 4, 1946, Serial No. 25,039
10 Claims. (Cl. 257—2)



1. In a device of the class described, the combination of a supporting shell having inlet and outlet ports, a plurality of axially-disposed tubes filling the space within said shell and having their ends supported in bonded relationship so as to form a sealed fluid core within said shell surrounding said tubes and providing a fluid flow path between said ports, transversely arranged partitions dividing said core into two tiers of superimposed core sections wherein a pair of opposed core sections communicate respectively with said inlet and outlet ports, the partitions which determine the superimposed core sections of each tier each having an opening formed therein providing communication between core sections on the opposite sides of the partition, the openings in adjacent partitions being located at opposite ends whereby the fluid flow is through said core sections consecutively in opposite directions substantially parallel to the axis of said tubes, the partition of which divides said core into two tiers of core sections having an opening formed therein at a point remote from said shell inlet and outlet ports and providing communication between adjacent core sections in opposite tiers, said latter partition also having an aperture formed therein at a point intermediate said last-mentioned opening and said ports providing communication between core sections on opposite sides of said latter partition, and valve means controlling said aperture and adapted to be actuated by a predetermined differential in a condition of fluid in said opposite core sections.

2,469,316
HEAT-EXCHANGE UNIT
Joe C. Shaw, Racine, Wis., assignor to Young Radiator Company, Racine, Wis., a corporation of Wisconsin
Application June 8, 1946, Serial No. 675,471
2 Claims. (Cl. 257—2)

1. In a heat-exchange unit of the class described, the combination of a supporting shell, a plurality of tubes extending transversely across said shell in an axial plane and dividing said shell into two compartments, headers providing communication between the adjacent ends of said tubes, other axially-disposed tubes filling the space in each of said compartments and having their ends supported in bonded relationship so as to form a sealed fluid core surrounding said other tubes in each of said compartments, said transversely-disposed tubes being spaced apart from each other axially of said shell so as to form areas between said transversely-disposed tubes through which communication is afforded between the fluid cores of said compartments, one of said headers having openings formed therein to provide communication between said transversely-disposed tubes and said fluid cores, means providing a shell inlet port and a shell outlet port, said inlet port communicating through the other said header with said transversely-disposed tubes, said outlet port communicating with said fluid cores, baffle means inter-



posed between certain of said axially-disposed tubes and extending transversely across said shell and dividing each of said compartments into two or more parallel sections, said baffle means having openings formed therein so as to effect a back-and-forth fluid flow through said core sections axially of said shell between the header openings and said fluid-core outlet port, one or more of said baffle means also having an aperture formed therein juxtaposed with a space between said first mentioned tubes affording communication between core sections on opposite sides of said baffle means in advance of the fluid flow through said baffle-means openings, and valve means actuated by a predetermined differential in the pressure of the fluid in the core sections on opposite sides of said baffle means for controlling communication through said apertures.

2,469,317
INSECTICIDAL AND FUNGICIDAL COMPOSITION
Edward C. Shokal, Oakland, and Lynwood N. Whitehill, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 26, 1944, Serial No. 551,423
11 Claims. (Cl. 167—24)

4. An insecticidal and fungicidal composition suitable for use in a household, comprising a normally liquid hydrocarbon having its boiling range substantially above tthe boiling range of gasoline, said hydrocarbon being a mineral hydrocarbon spray oil, and a dialkenyl diester of diglycollic acid wherein the alkenyl radicals each have from 3 to 4 carbon atoms, inclusive, and are selected from the group consisting of allyl and methallyl radicals.

2,469,318
LOW VISCOSITY POLYVINYL BUTYRAL RESINS AND METHODS OF MAKING SAME
Donald R. Swan, Berea, Ohio, assignor, by mesne assignments, to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 15, 1946, Serial No. 648,011
3 Claims. (Cl. 260—17)

1. The method of obtaining a crisp, fibrous, readily washable precipitate containing at least 50 percent of a low viscosity polyvinyl butyral resin made from a polyvinyl acetate having a viscosity of not more than 10 centipoises at 20° C. in a solution in benzene containing 86 grams per liter which includes the steps of adding to a solution of such resin in an organic solvent which is miscible with water, a sufficient quantity of a cellulose derivative from the group consisting of nitrocellulose, cellulose acetate butyrate and ethyl cellulose to make a solution in which the cellulose derivative constitutes from 10 to 50 percent of the total weight of resin and cellulose derivative in the solution, and simultaneously precipitating the resin and cellulose derivative by mixing the solution with water.

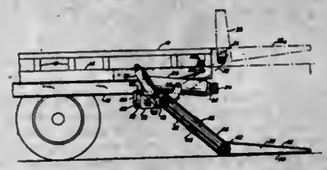
2,469,319
SANDING SEALERS EMBODYING POLYVINYL BUTYRAL RESINS
Donald R. Swan, Berea, Ohio, assignor, by mesne assignments, to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 15, 1946, Serial No. 648,012
6 Claims. (Cl. 260—23)

1. A sanding sealer particularly adapted for application to wood surfaces preparatory to the application of lacquer thereto, said sealer comprising an organic solvent, a major portion of the solids content of said sealer being a polyvinyl butyral resin having the viscosity of a polyvinyl butyral resin made from polyvinyl acetate having a viscosity of not more than 10 centipoises at 20° C. in a solution in benzene containing 86 grams per liter, said sealer containing substantially no shellac and substantially no maleic resin, said sealer containing zinc stearate in the amount of not more than 10 percent of the solids content thereof, and said sealer drying sufficiently rapidly to permit sanding within one hour after spraying without drag or gumming of the sandpaper.

2,469,320
COATING COMPOSITIONS EMBODYING POLYVINYL BUTYRAL RESINS AND METHODS OF MAKING SAME
Donald R. Swan, Berea, Ohio, assignor, by mesne assignments, to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 15, 1946, Serial No. 648,013
1 Claim. (Cl. 260—29.1)

The method of producing coating compositions of sprayable consistency which includes the steps of adding to polyvinyl alcohol in a suspension in an organic solvent a mixture of butyraldehyde and acetaldehyde having mole ratios of from 1 to 2 of butyraldehyde and from 2 to 1 of acetaldehyde in the presence of a mineral acid catalyst promoting interaction of the various reagents and production of a solution of mixed polyvinyl acetal resins, neutralizing the solution of resins, filtering the solution, and, without in the meanwhile precipitating the resins, diluting the solution with an organic solvent to a viscosity suitable for spraying purposes, the polyvinyl alcohol used in producing the resins being one having a viscosity of substantially 5 centipoises in a 4 percent solution in water at 20° C.

2,469,321
POWER-OPERATED TAIL GATE MECHANISM FOR VEHICLES
Louis S. Wood, Burlingame, Calif.
Application May 12, 1947, Serial No. 747,564
10 Claims. (Cl. 214—77)



1. A power operated tail gate for a vehicle body, comprising a platform, a first shaft and a second shaft concentrically arranged and carried for rotation by said body, at least one lifting arm having a fixed connection with said first shaft and a pivotal connection with said platform adapted to raise said platform upon the rotation of said first shaft, means comprising an interconnection between the second shaft and the platform adapted in one phase of operation to serve as a reaction member to maintain substantial parallelism between said platform and the ground during rotation of said first shaft and in another phase of operation to translate rotational movement of said second shaft to a rotational movement of said platform about its axis of pivot with the lifting arm, and power means carried by the body to separately rotate said shafts.

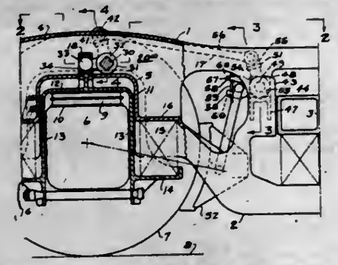
2,469,322
OXIDATION OF SULFURIC ACID HEAVY ALKYLATE
Eldon Lester Armstrong, Jackson Heights, and Warren Andrew Beman, Douglaston, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application August 22, 1945, Serial No. 612,144
6 Claims. (Cl. 260—451)

1. The method for producing a mixture of oxidation products of unsaturated and saturated nature, which comprises: heating sulfuric acid heavy alkylate produced by the alkylation of isoparaffins with olefins and having an iodine number of about 75, in the presence of a peroxide to elevated temperatures whilst passing air through said heavy alkylate, until the reaction mixture contains oxidation products.

2,469,323
RAILWAY TRUCK
Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Depew, N. Y., a corporation of Maryland
Application September 11, 1944, Serial No. 553,623
20 Claims. (Cl. 188—190)

1. In a railway truck having a resiliently mounted side frame carried by a journal box

and a wheel of a wheel and axle assembly, the combination of, a bracket carried by the side frame, a brake hanger jaw pivoted directly to and movable with respect to said bracket, said brake hanger jaw being in alignment with said



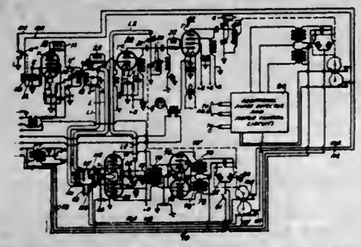
wheel for supporting a brake beam and actuating means for pivoting said brake hanger jaw in one direction when the side frame moves relative to the journal box in the opposite direction for maintaining a constant relationship between said brake beam and wheel.

2,469,324

CIRCUIT TUNER

Joseph G. Beard, Haddonfield, N. J., and Robert F. Dressler, Philadelphia, Pa., assignors to Radio Corporation of America, a corporation of Delaware

Application February 9, 1945, Serial No. 577,042
21 Claims. (Cl. 250—36)



1. In a signalling system comprising a source of oscillations the frequency of which is stabilized by a reactance and at least one tuned circuit coupled with said source to be excited by the oscillations therein, in combination, automatic apparatus including an oscillatory energy phase comparer and tuning apparatus in said one circuit controlled by said phase comparer for maintaining said one circuit tuned substantially to resonance at the frequency of said source, and apparatus including part of said first named apparatus conditioned by changing the stabilizing reactance of said source for automatically tuning said one circuit to its lowest resonant frequency.

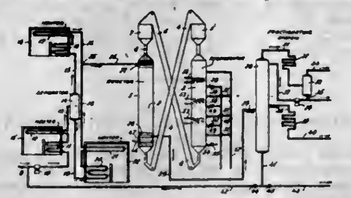
2,469,325

CONVERSION OF HYDROCARBONS

Otis L. Branson, Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application May 4, 1946, Serial No. 667,299
3 Claims. (Cl. 196—52)

1. The method of maintaining a substantially uniform optimum cracking temperature in a moving bed catalytic cracking reactor during the catalytic conversion of a long boiling range mixture of hydrocarbons into high quality gasoline which comprises heating solid catalytic contact mass material in an enclosed regenerating zone to a catalytic cracking temperature, heating a charge oil containing a substantial fraction boiling above about 800° F. to about 900° F. to a temperature of about 800° F. to about 900° F., separating said heated oil into a portion vaporous at a temperature of about 800° F. to about 900° F. and a portion liquid at a temperature of about 800° F. to about 900° F., separately reheating said vaporous portion and said liquid portion of the charge oil to about 950° F. to about 1000° F., whereby superheated vapors and superheated liquid are obtained without substantial cracking, free from any substantial amount of coke, and free from substantial amounts of the products of thermal cracking, introducing said heated contact mass material at about the temperature of catalytic cracking as a compact column into a conversion zone, introducing said superheated vapors and superheated liquid into said compact



column at a point in the column near that at which said contact mass material enters said conversion zone, the amount and temperature of said contact mass material and the amount and temperature of said superheated vapors and said superheated liquid being proportioned to maintain the desired catalytic cracking temperature substantially uniform throughout said compact column in said conversion zone whereby the rates of flow of both catalytic contact mass material and said superheated vapors and liquid may be varied over the full operating range of the equipment without materially affecting the average cracking temperature, flowing said superheated vapors and superheated liquid concurrently with said contact mass material, removing vaporous products of conversion from said column at a point near that at which said contact mass material leaves the conversion zone, and fractionating said conversion products, whereby high quality gasoline is produced from long boiling range charge oil without the production of substantial amounts of the products of thermal cracking.

2,469,326

INTERPOLYMERIZATION OF THIOPHENE AND BUTADIENE

Philip D. Caesar, Wenonah, and Alexander N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application November 15, 1944, Serial No. 563,628
8 Claims. (Cl. 260—93)

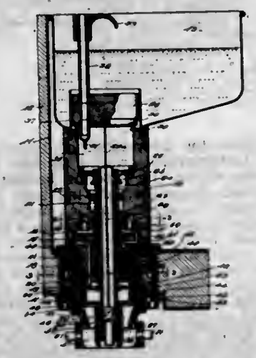
4. The product obtained by contacting a thiophene reactant selected from the group consisting of thiophene, and monoalkyl thiophenes and dialkyl thiophenes wherein the alkyl substituent is a low molecular weight alkyl group, with butadiene-1,3 in a molecular proportion of thiophene reactant to butadiene-1,3 of 1–3:3–1, in the presence of sulfuric acid in amounts to produce a concentration of sulfuric acid in the system varying between about 5 per cent and about 100 per cent based on the total weight of the thiophene reactant and butadiene-1,3 in the charge, and for a period of time sufficient to effect resinification.

2,469,327

BEVERAGE DISPENSING DEVICE

Bruce G. Copping, Fulton County, Ga., assignor to The Coca-Cola Company, Wilmington, Del., a corporation of Delaware

Application December 9, 1943, Serial No. 513,577
6 Claims. (Cl. 222—145)



1. In a device of the character described, a syrup tank, a syrup measuring chamber positioned therein, filtering means between the tank and chamber, a valve regulating the entrance of syrup into the chamber, a check-valve in said chamber, a syrup tube communicating with the chamber, a syrup nozzle on the end of said tube, a flow regulating valve in said tube, spring means normally retaining said valve in a closed position concurrently with the valve between the chamber and tank being in an open position, a carbonated water inlet, a valve governing said inlet, spring means normally holding said valve in a closed position, means forming V-shaped apertures of such length, size and hydraulic radius as to use up substantially all of the pressure energy of the fluid, in friction, and at the same time maintain streamline flow in the fluid, disposed adjacent said carbonated water inlet, fluid velocity reducing means adjacent the discharge ends of said apertures, a nozzle adjacent said restricting means having an inwardly-turned surface and, vanes in said nozzle, whereby a stream of carbonated water is given a whirling motion and directed towards syrup issuing from the syrup nozzle.

2,469,328

DRY-AIR PUMP

Claude Russell Cox, Chicago, Ill., assignor to Andrew Corporation, Chicago, Ill., a corporation of Illinois

Application July 20, 1944, Serial No. 545,874
2 Claims. (Cl. 183—4)

2. A dry air pump having an inlet and an outlet, two vertical concentric cylinders, said inner cylinder being connected to said inlet, base and top supporting structures for said cylinders, said inner cylinder being secured rigidly to both said supporting structures, means within said inner cylinder for compressing air, air passage means including a valve interconnecting said inner and outer cylinders, a resilient gasket extending from the outer cylinder to the inner cylinder, a collar surrounding the upper portion of said gasket adjacent said inner cylinder, and extending to the exterior of said outer cylinder, said collar having an air outlet and an annular pas-



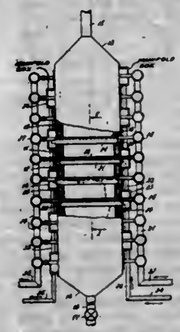
sage, said gasket having apertures communicating with said annular passage and said outer cylinder, a mesh member supported by said gasket and interposed between said apertures and said outer cylinder, dehydrating means substantially filling the space between said inner and outer cylinders said dehydrating means comprising a non-deliquescent adsorption material, heat insulation means arranged about the lower portion of said cylinder, and resilient means interconnecting said outer cylinder with said base supporting structure.

2,469,329

APPARATUS FOR CONDUCTING REACTIONS IN THE PRESENCE OF A SOLID MATERIAL

John A. Crowley, Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application October 14, 1944, Serial No. 558,695
4 Claims. (Cl. 23—288)



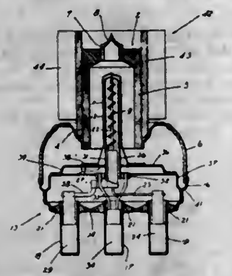
1. An apparatus for conducting thermochemical reactions comprising an elongated substan-

tially vertical vessel; means to introduce particle form solid material to the upper end of said vessel, means to withdraw solid material from the lower end thereof, throttling means associated with said withdrawal means to permit control of the solid material flow so as to maintain a substantially compact column thereof within said vessel, a plurality of tubes extending horizontally across said vessel, fins attached along the length of each of said tubes so as to depend downwardly therefrom thereby providing substantially solid material free gas spaces below said tubes, means to introduce reactant gas into said gas spaces, a plurality of means to withdraw gas from said vessel spaced apart from said gas spaces, and means to pass a heat exchange medium through said tubes.

2,469,330
METHOD FOR PREVENTING ARSENICAL INJURY TO PLANTS
John H. Davidson, United States Navy, South Haven, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application December 3, 1943, Serial No. 512,845
4 Claims. (Cl. 47—58)

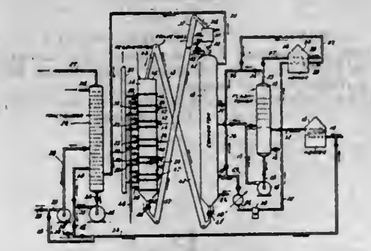
3. A method for preventing plant injury attributable to contact with acid lead arsenate which comprises the step of supplementing the conventional arsenical spray program by treatment of the plant surfaces during the summer growing season with a composition including a 2,4-dinitrophenol as an active ingredient.

2,469,331
ELECTRON TUBE
William W. Eitel, Woodside, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application October 29, 1945, Serial No. 625,200
2 Claims. (Cl. 250—27.5)



1. An electron tube comprising an envelope having an external anode at one end and a control grid terminal coaxial with the anode at the opposite end, an annular screen grid terminal coaxial with the control grid terminal and interposed in the envelope wall between the anode and said control grid terminal, a cathode in the envelope projecting into the anode, a control grid in the envelope surrounding the cathode and connected to the control grid terminal, a screen grid in the envelope surrounding the control grid and connected to the screen grid terminal, and a shield connecting the screen grid and screen grid terminal, said terminal and shield serving to screen the control grid terminal from the anode.

2,469,332
METHOD FOR CONVERSION OF HYDROCARBONS
Louis P. Evans, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 12, 1946, Serial No. 676,223
12 Claims. (Cl. 196—52)

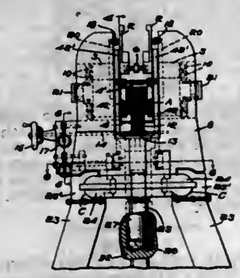


1. A method for conversion of high boiling petroleum hydrocarbon charge to low boiling hydrocarbons within the gasoline boiling range which method comprises: heating said hydrocarbon charge to effect partial vaporization thereof, flashing said heated charge in a suitable confined flash zone to effect separation of the vaporized hydrocarbons from the liquid and passing the liquid hydrocarbons through a confined conversion zone in contact with concurrently flowing, partially spent particle-form contact material charged to said zone at an elevated conversion supporting temperature to effect conversion of said liquid hydrocarbons to lower boiling hydrocarbons, withdrawing lower boiling conversion products from said zone in the gaseous phase and passing said lower boiling products through a second zone in contact with freshly regenerated contact material charged to said zone at a suitable conversion temperature, passing said separated vaporized hydrocarbon charge through said second zone along with said lower boiling products from said first zone to effect conversion thereof, withdrawing gaseous conversion products from said second zone and passing the hot partially spent contact material from said second zone to said first zone as the contact material charge thereto.

2,469,333
MACHINE GUN MOUNT
Sydney T. Farrell and Frederick L. Farrell, Belmont, Mass.
Application August 12, 1943, Serial No. 498,300
3 Claims. (Cl. 89—37)

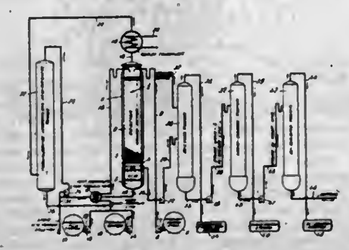
1. In a gun mount, the combination of a gun holder, supporting means for said holder including a base, spaced-apart upright side pieces located on the base, two sleeves slidably received in the side pieces, a core member extending between the two sleeve members, and presenting a scalloped peripheral surface lying in close proximity to a complementary scalloped surface formed on the inner periphery of the sleeve members, scalloped cushion members interposed between the said core member and adjacent complementary sleeve surfaces, said core being formed with reduced extremities which project into the side pieces, cushion elements for resiliently supporting said extremities in the side pieces, gear mechanism operatively connected to the core

for adjusting the position of the gun mount, a pair of supporting arms arranged at the under sides of the sleeve members, said arms having secured at their lower sides a plate member, a shaft located centrally of the base member, the



said shaft presenting at its upper extremity a cushion member extending into contact with the said plate and cooperating with the arms and plate to provide a shock-absorbing means which supplements the shock-absorbing action of the first two noted cushion elements.

2,469,334
HALOALKYLATION OF AROMATIC HYDROCARBONS
Howard D. Hartough, Pitman, and Paul K. Chung, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application March 31, 1945, Serial No. 586,000
5 Claims. (Cl. 260—651)

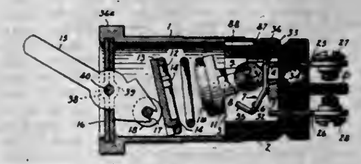


1. The continuous method for forming a haloalkylated aromatic compound, which comprises: intimately contacting an aromatic compound, with an aldehyde in aqueous solution and with a hydrogen halide in aqueous solution, in the presence of a contact material consisting of a solid, highly porous adsorptive material presenting a relatively large surface area of contact to the reactants in proportion to the volume, to form a reaction mixture containing said haloalkylated aromatic compound; separating said haloalkylated aromatic compound from said reaction mixture; and recycling the remainder of said reaction mixture in intimate contact with said adsorptive material.

2,469,335
CATALYTIC ALKYLATION
George C. Johnson, Woodbury, and Barton W. Rope, Mullica Hill, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application March 29, 1946, Serial No. 655,226
13 Claims. (Cl. 260—671)

1. In the process for alkylating alkylatable hydrocarbons, which includes contacting an alkylatable hydrocarbon with an alkylating agent, under alkylating conditions; the improvement which comprises contacting said alkylatable hydrocarbon with an alkylating agent, in the presence of the product obtained by reacting a fluophosphoric acid selected from the group consisting of monofluophosphoric acid and difluophosphoric acid, with boron trifluoride, as the catalyst.

2,469,336
SWITCH OR LIKE APPARATUS
Everard F. Kohl, Lakewood, Ohio
Application November 6, 1944, Serial No. 562,496
16 Claims. (Cl. 200—68)



1. An electrical switch comprising a stationary contact, a contact movable into and from engagement with the stationary contact, means engaging the movable contact to hold it in engagement with the stationary contact and being movable relative to the movable contact to disengage the movable contact from the stationary contact, resilient means associated with said engaging means, means including an actuator for biasing said resilient means to a position in which a component of the force of said resilient means is directed toward maintaining said engaging means in a position to hold the movable contact in engagement with the stationary contact, and said actuator being movable to compress a portion of said resilient means to a greater extent than other portions to incline said resilient means to a second position in which one component of its force moves said engaging means over the movable contact to disengage the movable contact from the stationary contact and the other component of its force acts through said engaging means to hold the movable contact in engagement with the stationary contact until the movable contact is disengaged from the stationary contact, and the inclination of said resilient means in its second position relative to the stationary contact being such that the component of the force of the resilient means which acts through said engaging means to hold the movable contact in engagement with the stationary contact is not less than the component of the force of said resilient means originally directed for a like purpose until said engaging means is in motion relative to said movable contact.

2,469,337
CONTROL APPARATUS FOR SWITCHES AND THE LIKE
Everard F. Kohl, Lakewood, Ohio
Application May 7, 1945, Serial No. 592,492
18 Claims. (Cl. 200—68)



1. Apparatus of the class described comprising a stationary contact and a movable contact, means for maintaining the movable contact in engagement with the stationary contact including a movable abutment provided with first and second grooves arranged adjacent opposite edges thereof, an actuator, means associated with said actuator including first and second inwardly extending prongs, resilient means for maintaining said actuator in a released position and the first prong in alignment with the first groove in said abutment when said abutment is in one position and said first prong being receivable in the first groove of said abutment to apply pressure to the abutment adjacent thereto to change its angular position when the actuator is moved inwardly, means responsive to the movement of said abutment for disengaging the stationary contact from the movable contact, and said resilient means being effective in returning said prongs to their normal position and for maintaining the second prong in alignment with the second groove in said abutment when the abutment is in the second position.

2,469,338
PREPARATION OF GUANIDINE PHOSPHATES
Johnstone S. Mackay, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 24, 1946, Serial No. 718,274
7 Claims. (Cl. 260—564)

1. The process of preparing a guanidine phosphate comprising reacting urea with phosphorous pentoxide at a temperature within the range of substantially 190°–300° C. at atmospheric pressure.

2,469,339
REMOVABLE DENTURE
Robert J. Maniola, deceased, late of Chicago, Ill., by James J. Maniola, administrator, Chicago, Ill., assignor to James J. Maniola, Chicago, Ill.
Application September 16, 1947, Serial No. 774,335
14 Claims. (Cl. 32—6)

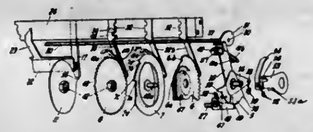
1. A denture for use in an edentulous space defined by undercut walls of two abutment teeth comprising a pair of denture sections adapted to be positioned consecutively in said space and each provided with remote end walls reciprocally shaped with respect to and adapted to contact the undercut surfaces of the respective teeth, said sections being provided with interfitting adjacent end walls reciprocally shaped to urge the sections in opposite directions as the second of said sections is pressed into interfitting relation with the first section within said space for thereby urging said remote end walls into contact with the said surfaces of the respective teeth for restraining vertical movement of the denture from said space, and a keying member comprising an artificial tooth mounted on said denture effective to maintain said sections in position in said edentulous space.



2,469,340
INSECTICIDAL USE OF FLUOROACETAMIDE
Nellie M. C. Payne, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 24, 1944, Serial No. 537,185
1 Claim. (Cl. 167—22)

A method of combatting insects, which comprises contacting them with a toxic amount of fluoroacetamide.

2,469,341
CYCLE TIMER
Frank Arthur Pearson, Moline, Ill., assignor to Eagle Signal Corporation, Moline, Ill., a corporation of Massachusetts
Application June 9, 1944, Serial No. 539,580
8 Claims. (Cl. 161—1)

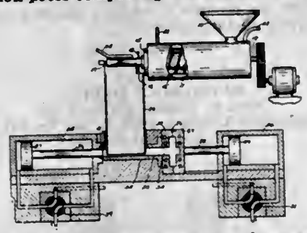


1. In a timer for a plurality of operating electrical circuits, a movable switch element for each of said circuits, an operating cam for each of said switch elements, a shaft on which said cams are carried and by which they are rotated in contact with the switch elements, intermittently operating means for rotating said shaft, including pawl and ratchet mechanisms, and means adjustable at will for varying the time interval controlled by one of said switch elements, one of said ratchet mechanisms having a tooth omitted whereby to cause temporary discontinuance of the functioning of that mechanism.

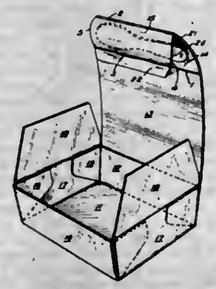
2,469,342
METHOD AND APPARATUS FOR MOLDING PLASTICS
Henry M. Richardson, Springfield, Mass., assignor, by direct and mesne assignments, of one-half to The Grotelite Company, Inc., Bellevue, Ky., a corporation of Kentucky, and one-half to Lima-Hamilton Corporation, Hamilton, Ohio, a corporation of Virginia
Application August 24, 1945, Serial No. 612,405
5 Claims. (Cl. 18—30)

1. The method of molding material which can be rendered plastic by heat, which comprises heating the material to a plastic condition, extruding the heated material in a column, severing from the column a length containing sufficient material for a mold charge, transferring the charge to a position with one end presented to a mold inlet while maintaining the columnar form and plastic condition in which it was extruded, and forcing the material into the mold by pressure against the other end of the column while confining the column against spreading outside of the mold.

5. In combination a mixing and extruding device having a circular discharge nozzle, means to sever a predetermined length from the end of a column of material extruded from said nozzle, an injection press comprising means providing a cylindrical opening slightly larger in cross-section than the opening in said nozzle and as long as said predetermined length, a mold with circular inlet opening of the same diameter as said cylindrical opening, means to present the mold inlet in line with and against one end of the cylindrical opening, means providing a surface over which a severed charge can roll after severance to a position in line with said cylindrical opening, a plunger, and means to move the plunger to drive an alined charge into said cylindrical opening and through said opening and mold inlet into the mold, whereby a stiffly plastic column of extruded material may be severed in a mold charge and conveyed to and into a mold without deformation except inside of the mold.



2,469,343
SPOON PACKAGE
Edwin C. Siewert, Wausau, Wis., assignor to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin
Application March 7, 1946, Serial No. 652,604
1 Claim. (Cl. 229—1.5)

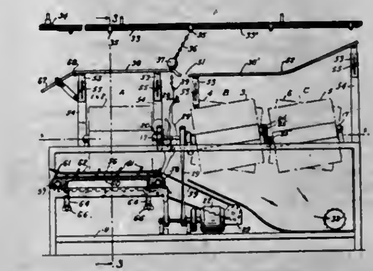


A carton comprising a tray portion and a hinged cover portion, said trap portion comprising front, rear, and end walls for retaining a product to be consumed, a cover portion hinged to the rear wall of said tray portion of suitable dimension for closing the open end of said tray portion, an extension panel hinged to said cover portion forming a tuck flap, a second extension panel hingedly connected to said first extension panel having the same width as said first extension panel and cut away at one end thereof so as to be shorter in length than said first extension panel, a glue panel hingedly connected to said second extension panel along a line parallel to said last named hinge connection and adhered to the inner face of said cover portion adjacent said first named hinge connection to bring said first and last named hinge connections into coinciding relation to provide a pocket portion for slidably receiving and retaining an implement for dispensing food packaged within said tray portion.

2,469,344
HOMOGENEOUS GASEOUS PHASE CATALYTIC ALKYLATION OF ISOBUTANE WITH CYCLOPROPANE
William A. Stover, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application December 20, 1946, Serial No. 717,609
10 Claims. (Cl. 260—683.4)

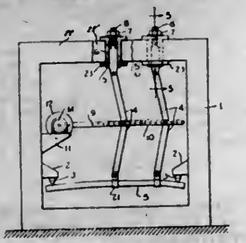
1. The process for producing high yields of triptane, which comprises contacting isobutane with cyclopropane, in gaseous phase and in a reaction zone under alkylating conditions including temperatures varying between about 700° F. and about 940° F. and pressures of at least about 500 pounds per square inch, in the presence of a halogen derivative of a hydrocarbon, and maintaining said isobutane in excess over said cyclopropane in said reaction zone, so that alkylation is the principal reaction.

2,469,345
AUTOMATIC FOWL PICKER
Andrew J. Toti and Peter Princevalle, Modesto, Calif.
Application April 30, 1945, Serial No. 590,992
16 Claims. (Cl. 17—11.1)



3. Fowl picking apparatus comprising a set of flexible picker fingers movable in one general direction longitudinally of and against the body of a fowl placed within their path, a second set of flexible picker fingers movable generally in the opposite direction, means for so moving the two sets of picker fingers, and mechanical conveyor means for moving said body successively through the paths of both sets of flexible picker fingers, and means for revolving said body while subjected to the action of some of said fingers.

2,469,346
FATIGUE-TESTING MACHINE
Michael Watter, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 14, 1945, Serial No. 599,437
11 Claims. (Cl. 73—100)



9. In a testing machine, a frame, means on said frame for engaging longitudinally spaced points of a test specimen, a toggle extending transversely to the connecting line between said specimen engaging means and having its one end attached to said frame and its other end provided with a clamp for engaging the test specimen between said test specimen engaging means, said second end of the toggle and said clamp being free of engagement with and guidance by said frame, and means for imparting vibratory back and forth movement to the joint of said toggle.

2,469,347
UNITARY CHALK AND ERASER HOLDER
Pearl Raymond Windhorst, Oakland, Calif., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application December 16, 1948, Serial No. 65,641
3 Claims. (Cl. 35—67)

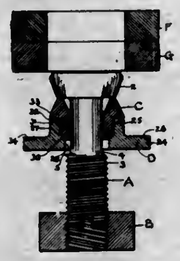


1. A unitary chalk and eraser holder comprising a vertical base adapted to be secured to a vertical surface, an eraser tray extending horizontally from the lower portion of the base, and a chalk tray extending laterally and upwardly from the base above the innermost portion of the eraser tray.

2,469,348
CELLULOSE DERIVATIVE COMPOSITIONS
Arthur E. Young and Elmer K. Stilbert, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application April 7, 1945, Serial No. 587,220
8 Claims. (Cl. 260—16)

1. A coating composition, the non-volatile ingredients of which consist essentially of from 45 to 65 per cent of an alkyd resin product of the reaction between a polyhydric alcohol containing at least 3 hydroxyl groups and a straight chain dicarboxylic aliphatic acid containing at least 4 carbon atoms; from 25 to 40 per cent of a cellulose derivative selected from the class consisting of the cellulose esters and cellulose ethers which are soluble in organic solvents; from 1 to 5 per cent of a resin selected from the class consisting of the thermosetting urea-formaldehyde and thermosetting melamine-formaldehyde resins which are soluble in organic solvents; and, from 5 to 20 per cent of a solvent plasticizer for the cellulose derivative, the said non-volatile ingredients being dissolved in a volatile organic solvent therefor, to provide a solution adapted for use in normal coating methods.

2,469,349
BLIND BOLT DEVICE
Kurt E. Zeidler, Chicago, Ill.
Application March 4, 1946, Serial No. 651,796
7 Claims. (Cl. 85—2.4)



7. A device for securing together two elements having registering apertures therein, said device comprising a bolt having a head and a shank, said shank provided with an annular shoulder spaced from said head, a split spring washer surrounding said shank between said head and shoulder, said spring washer having an upper part normally of larger outside diameter than said apertures and of lesser inside diameter than said bolt head, and a lower part normally of substantially the same outside diameter of said apertures, a nut having a screw threaded engagement with said bolt, and a retainer upon said bolt, between said shoulder and said nut, said retainer having a tubular part of substantially the same outside diameter as said apertures and a flange of larger diameter than said apertures, said retainer provided with a recess adapted to receive and hold the lower part of said washer when compressed so that said head and upper part of said washer may be passed through said apertures when said shoulder may force the washer from said retainer allowing said washer to be released and the lower part to engage the walls of said apertures, and when a tightening of said nut will draw the bolt head against said washer causing it to engage one of said elements and the nut will cause the retainer to engage the other of said elements, thereby holding said elements together.

DESIGNS

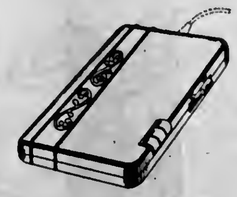
MAY 3, 1949

153,575
DESIGN FOR A CHILD'S SCOOTER
Richard H. Arbib, Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 16, 1947, Serial No. 140,920
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a child's scooter, as shown.

153,576
DESIGN FOR A CASE FOR A HEARING AID AMPLIFIER UNIT
Reginald B. Bland, Newport News, Va.
Application December 5, 1947, Serial No. 142,963
Term of patent 3½ years
(Cl. D26—14)



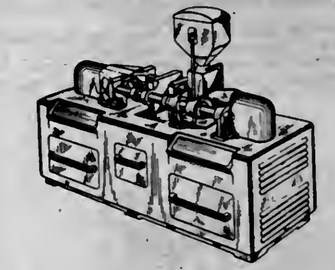
The ornamental design for a case for a hearing aid amplifier unit, as shown and described.

153,577
DESIGN FOR A CASE FOR A HEARING AID AMPLIFIER UNIT
Reginald B. Bland, Newport News, Va.
Application December 5, 1947, Serial No. 142,964
Term of patent 3½ years
(Cl. D26—14)



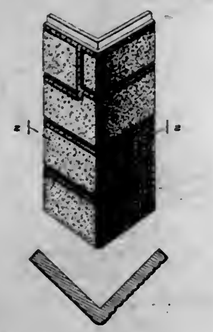
The ornamental design for a case for a hearing aid amplifier unit, as shown and described.

153,578
DESIGN FOR A MOLDING MACHINE OR THE LIKE
George S. Bohannon, Fort Worth, Tex.
Application April 30, 1946, Serial No. 129,132
Term of patent 7 years
(Cl. D55—1)



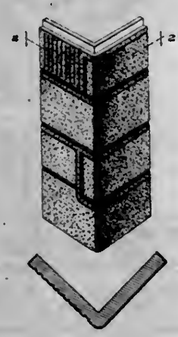
The ornamental design for a molding machine or the like, substantially as shown and described.

153,579
DESIGN FOR AN INSULATING SIDING CORNER UNIT
Robert D. Bordeaux, Chicago, Ill., assignor to Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts
Application October 8, 1948, Serial No. 149,048
Term of patent 14 years
(Cl. D68—1)



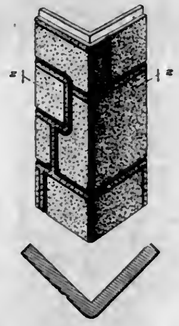
The ornamental design for an insulating siding corner unit, as shown.

153,580
DESIGN FOR AN INSULATING SIDING CORNER UNIT
Robert D. Bordeaux, Chicago, Ill., assignor to Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts
Application October 8, 1948, Serial No. 149,049
Term of patent 14 years
(Cl. D68—1)



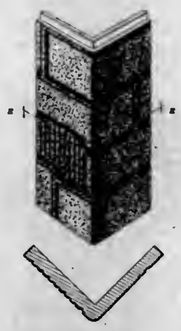
The ornamental design for an insulating siding corner unit, as shown.

153,581
DESIGN FOR AN INSULATING SIDING CORNER UNIT
Robert D. Bordeaux, Chicago, Ill., assignor to Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts
Application October 8, 1948, Serial No. 149,050
Term of patent 14 years
(Cl. D68—1)



The ornamental design for an insulating siding corner unit, as shown.

153,582
DESIGN FOR AN INSULATING SIDING CORNER UNIT
Robert D. Bordeaux, Chicago, Ill., assignor to Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts
Application October 8, 1948, Serial No. 149,051
Term of patent 14 years
(Cl. D68—1)



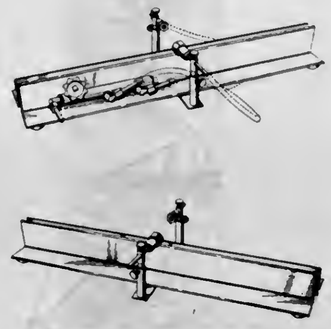
The ornamental design for an insulating siding corner unit, as shown.

153,583
DESIGN FOR A BOTTLE CAP OR SIMILAR ARTICLE
Frederick M. Breen, White Plains, N. Y.
Application May 9, 1947, Serial No. 138,932
Term of patent 14 years
(Cl. D58—26)



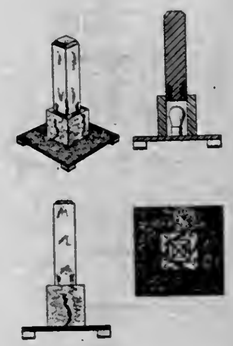
The ornamental design for a bottle cap or similar article, as shown.

153,584
DESIGN FOR AN AMPOULE SEALING DEVICE
John H. Brewer, Baltimore, Md., assignor to Hynson, Westcott & Dunning, Incorporated, Baltimore, Md., a corporation of Maryland
Application December 24, 1946, Serial No. 135,736
Term of patent 14 years
(Cl. D16—1)



The ornamental design for an ampoule sealing device, substantially as shown and described.

153,585
DESIGN FOR A TRANSPARENT PRISM VANITY LAMP
Edward L. Culwell, Alameda, Calif.
Application June 14, 1948, Serial No. 146,962
Term of patent 14 years
(Cl. D48—20)



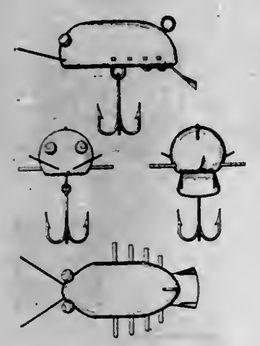
The ornamental design for a transparent prism vanity lamp, as shown.

153,586
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Thomas D'Addario, New York, N. Y., assignor to The Johnnie Ryan Co., Niagara Falls, N. Y., a firm composed of John J. Janik and Stephen Janik
Application November 26, 1946, Serial No. 135,103
Term of patent 14 years
(Cl. D58—8)



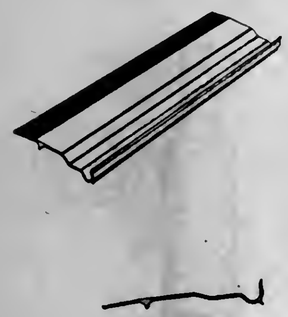
The ornamental design for a bottle or similar article, substantially as shown.

153,587
DESIGN FOR A FISH LURE
Andy Dolak, Flint, Mich.
Application October 10, 1947, Serial No. 141,862
Term of patent 3½ years
(Cl. D31—4)



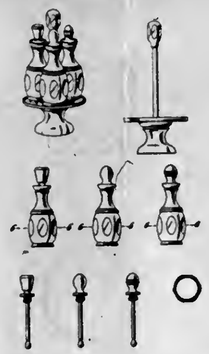
The ornamental design for a fish lure, as shown.

153,588
DESIGN FOR AN OVERHEAD TRIM FOR A WINDOW OR THE LIKE
Lewis Drnevich, East McKeesport, Pa.
Application October 19, 1946, Serial No. 134,105
Term of patent 7 years
(Cl. D54—2)



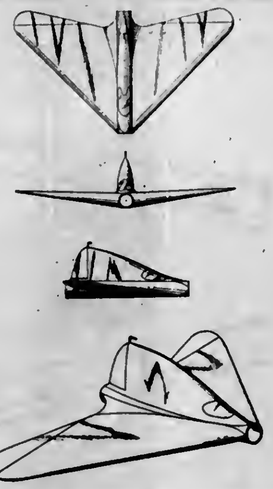
The ornamental design for an overhead trim for a window or the like, substantially as shown.

153,589
DESIGN FOR A COMBINATION CASTER AND PERFUME HOLDERS
Julius Duberstein, New York, N. Y.
Application November 13, 1947, Serial No. 142,503
Term of patent 3½ years
(Cl. D86—10)



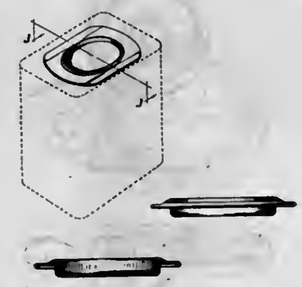
The ornamental design for a combination caster and perfume holders, substantially as shown and described.

153,590
DESIGN FOR AN AIRPLANE
Ellis V. Eichman, Brownsville, Tex.
Application December 5, 1947, Serial No. 142,962
Term of patent 14 years
(Cl. D71—1)



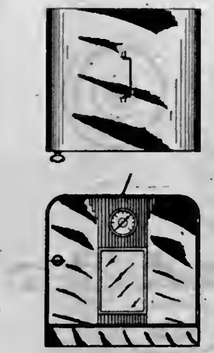
The ornamental design for an airplane, as shown.

153,591
DESIGN FOR A CAN OR SIMILAR ARTICLE
George C. Erb, Forest Hills West, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 18, 1946, Serial No. 126,678
Term of patent 14 years
(Cl. D58—17)



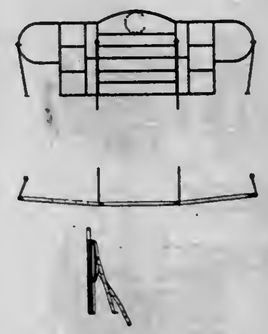
The ornamental design for a can or similar article, as shown and described.

153,592
DESIGN FOR AN OVEN
William Fader, Newark, N. J.
Application April 3, 1947, Serial No. 138,127
Term of patent 14 years
(Cl. D81—26)



The ornamental design for an oven, as shown and described.

153,593
DESIGN FOR AN AUTOMOBILE GRILLE GUARD
Frank J. Faulhaber, New York, N. Y.
Application August 23, 1947, Serial No. 141,020
Term of patent 3½ years
(Cl. D14—6)



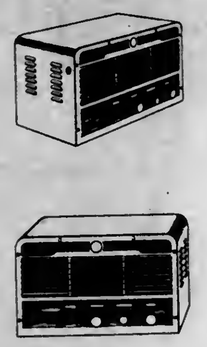
The ornamental design for an automobile grille guard, as shown and described.

153,594
DESIGN FOR A HANDBAG FRAME
Angelo J. Fieres, Hollis, Long Island, N. Y.
Application June 14, 1948, Serial No. 146,963
Term of patent 7 years
(Cl. D87—2)



The ornamental design for a handbag frame, substantially as shown.

153,595
DESIGN FOR A MARINE RADIO TELEPHONE
Gordon W. Florian, Trumbull, Conn., assignor to Hudson American Corporation, New York, N. Y.
Application July 31, 1947, Serial No. 140,644
Term of patent 7 years
(Cl. D26—5)



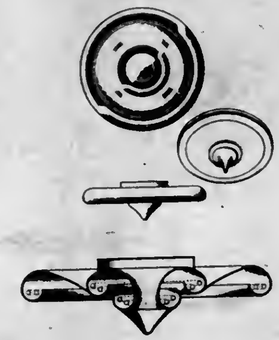
The ornamental design for a marine radio telephone, substantially as shown.

153,596
DESIGN FOR A COMBINED CALENDAR AND DESK PAD UNIT
Ernest Franki, New York, N. Y., assignor to Stickless Corporation, Bronx, N. Y., a corporation of New York
Application July 16, 1947, Serial No. 140,324
Term of patent 3½ years
(Cl. D74—5)



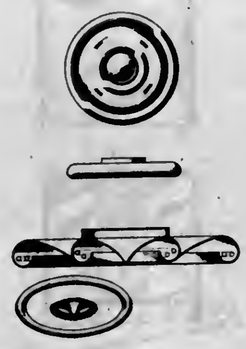
The ornamental design for a combined calendar and desk pad unit, as shown and described.

153,597
DESIGN FOR A LIGHTING FIXTURE
Irol G. Gangbin, Fresno, Calif.
Application January 26, 1948, Serial No. 144,918
Term of patent 14 years
(Cl. D48—23)



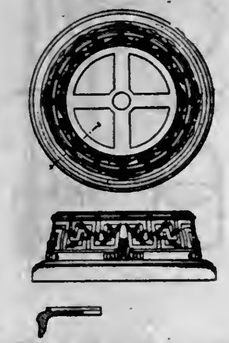
The ornamental design for a lighting fixture, as shown and described.

153,598
DESIGN FOR A DOUBLE COVE LIGHTING FIXTURE
Irol G. Gangbin, Fresno, Calif.
Application March 26, 1948, Serial No. 145,388
Term of patent 14 years
(Cl. D48—23)



The ornamental design for a double cove lighting fixture, as shown and described.

153,599
DESIGN FOR A FLOOR LAMP BASE
Irving L. Gotliffe, New York, N. Y., assignor to Remsen Lamp Manufacturing Co., Brooklyn, N. Y., a partnership composed of Joseph Zweig and Benjamin Zweig
Application November 10, 1947, Serial No. 142,442
Term of patent 3½ years
(Cl. D48—20)



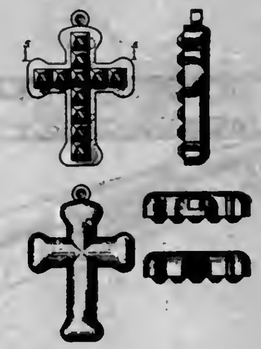
The ornamental design for a floor lamp base, as shown and described.

153,600
DESIGN FOR A BOTTLE
Elizabeth N. Graham, New York, N. Y.
Application March 16, 1948, Serial No. 145,109
Term of patent 14 years
(Cl. D58—6)



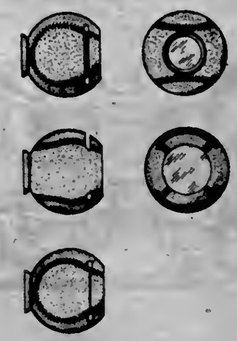
The ornamental design for a bottle, substantially as shown and described.

153,601
DESIGN FOR A CROSS
John J. Gresh, Evergreen Park, Ill.
Application March 5, 1947, Serial No. 137,356.
Term of patent 14 years
(Cl. D45—15)



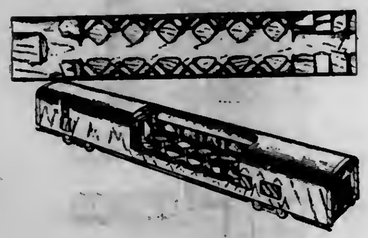
The ornamental design for a cross, substantially as shown.

153,602
DESIGN FOR A SLIDE VIEWER
Percy H. Halbriter, Los Angeles, Calif.
Application June 7, 1948, Serial No. 146,815
Term of patent 14 years
(Cl. D61—1)

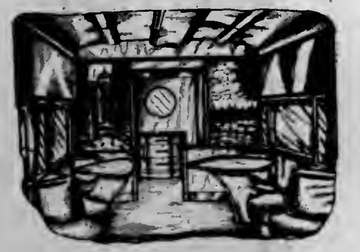


The ornamental design for a slide viewer, substantially as shown.

153,603
DESIGN FOR A RAILWAY DINING CAR BODY
Ralph W. Haman, Flossmoor, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application September 20, 1947, Serial No. 141,499
Term of patent 14 years
(Cl. D66—1)

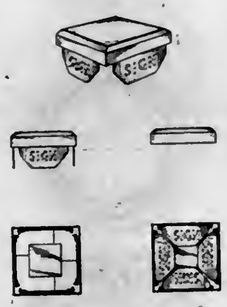






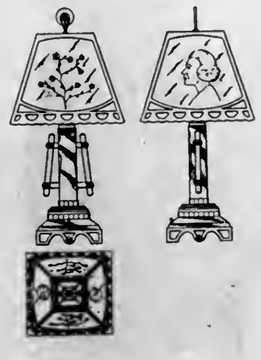
The ornamental design for a railway dining car body, substantially as shown and described.

153,604
DESIGN FOR A RETRACTABLE SIGN
John J. Hammer, Detroit, Mich.
Application April 12, 1946, Serial No. 128,551
Term of patent 7 years
(Cl. D1—12)



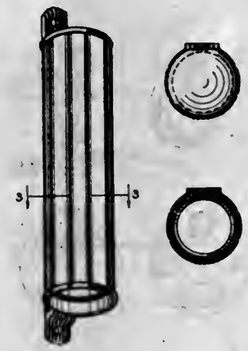
The ornamental design for a retractable sign, substantially as shown and described.

153,605
DESIGN FOR AN ELECTRIC TABLE LAMP
David Hewitt, New York, N. Y.
Application January 14, 1948, Serial No. 143,745
Term of patent 14 years
(Cl. D48—20)



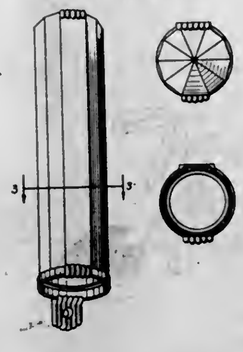
The ornamental design for an electric table lamp, as shown.

153,606
DESIGN FOR A BILL CONTAINER
William E. Hilby, Indianapolis, Ind.
Application July 26, 1947, Serial No. 140,538
Term of patent 14 years
(Cl. D74—2)



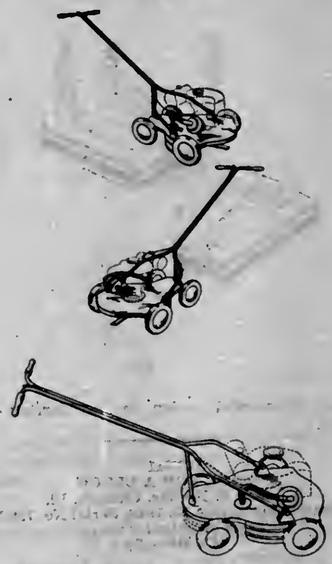
The ornamental design for a bill container, as shown and described.

153,607
DESIGN FOR A BILL CONTAINER
William E. Hilby, Indianapolis, Ind.
Application July 26, 1947, Serial No. 140,539
Term of patent 14 years
(Cl. D74—2)



The ornamental design for a bill container, as shown and described.

153,608
DESIGN FOR A MOWING MACHINE
Kell E. Hileman, Overland Park, Kans., assignor to National Metal Products Company, Kansas City, Mo.
Application June 24, 1946, Serial No. 130,966
Term of patent 14 years
(Cl. D40—1)



The ornamental design for a mowing machine, as shown and described.

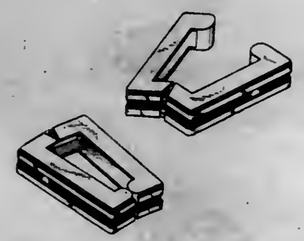
153,609
DESIGN FOR A COMBINATION DENTAL FLOSS HOLDER AND CONTAINER OR SIMILAR ARTICLE
Peter Keane, Los Angeles, Calif.
Application October 4, 1947, Serial No. 141,755
Term of patent 7 years
(Cl. D24—1)





The ornamental design for a combination dental floss holder and container or similar article, substantially as shown.

153,610
DESIGN FOR AN EARRING
Leopold D. Kline, Kew Gardens, N. Y.
Application February 19, 1948, Serial No. 144,593
Term of patent 14 years
(Cl. D45—9)



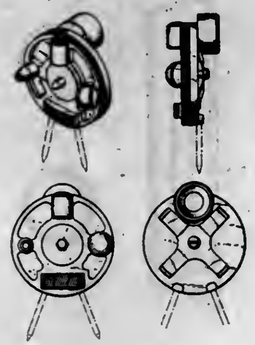
The ornamental design for an earring, as shown.

153,611
DESIGN FOR A CLOCK
Solomon E. Koplar, Chicago, Ill.
Application December 13, 1948, Serial No. 150,121
Term of patent 7 years
(Cl. D42—7)



The ornamental design for a clock, substantially as shown.

153,612
DESIGN FOR A LAWN SPRINKLER
Otto A. Langes, Chicago, Ill.
Application September 25, 1947, Serial No. 141,579
Term of patent 14 years
(Cl. D91—1)



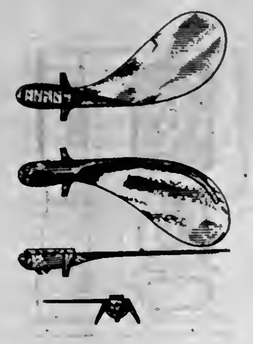
The ornamental design for a lawn sprinkler, substantially as shown and described.

153,613
DESIGN FOR A SHOE
Saul Litvack, New York, N. Y., assignor to Dronoff Shoe Products Inc., Carlisle, Pa.
Application February 5, 1949, Serial No. 704
Term of patent 3½ years
(Cl. D7—7)



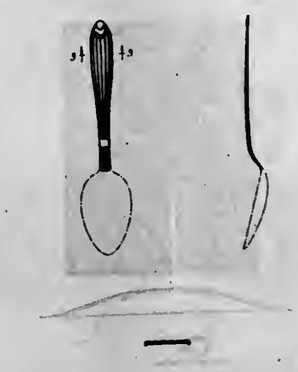
The ornamental design for a shoe, substantially as shown and described.

153,614
DESIGN FOR A SPINNING AERIAL CARGO TOY
David W. Main, Denver, Colo.
Application June 18, 1947, Serial No. 139,789
Term of patent 14 years
(Cl. D34—15)



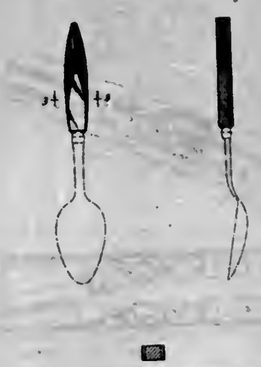
The ornamental design for a spinning aerial cargo toy, as shown.

153,615
DESIGN FOR A SPOON OR SIMILAR ARTICLE OF TABLEWARE
Norman J. Mercer, Brooklyn, N. Y.
Application October 21, 1946, Serial No. 134,118
Term of patent 14 years
(Cl. D54—12)



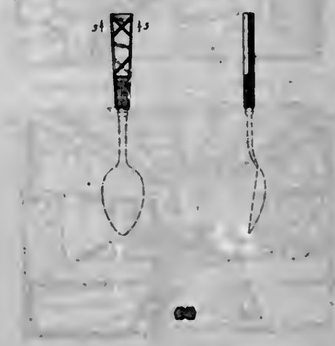
The ornamental design for a spoon or similar article of tableware, substantially as shown and described.

153,616
DESIGN FOR A SPOON OR SIMILAR ARTICLE OF TABLEWARE
Norman J. Mercer, Brooklyn, N. Y.
Application October 21, 1946, Serial No. 134,119
Term of patent 14 years
(Cl. D54—12)



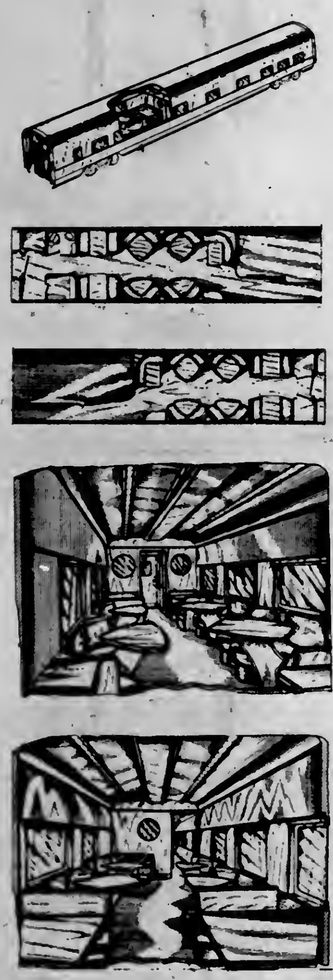
The ornamental design for a spoon or similar article of tableware, substantially as shown and described.

153,617
DESIGN FOR A SPOON OR SIMILAR ARTICLE OF TABLEWARE
Norman J. Mercer, Brooklyn, N. Y.
Application October 21, 1946, Serial No. 134,120
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or similar article of tableware, substantially as shown and described.

153,618
DESIGN FOR A RAILWAY DINING CAR BODY
Frank L. Murphy, Chicago, and Ralph W. Haman, Flossmoor, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application September 20, 1947, Serial No. 141,500
Term of patent 14 years
(Cl. D66—1)



The ornamental design for a railway dining car body, substantially as shown and described.

153,619
DESIGN FOR A CLOCK
Adolph J. Nelson, Oak Park, Ill., assignor to Boyco, Inc., Chicago, Ill., a corporation of Illinois
Application October 8, 1948, Serial No. 149,041
Term of patent 3½ years
(Cl. D42—7)



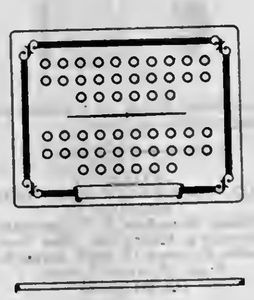
The ornamental design for a clock, as shown.

153,620
DESIGN FOR A PLEATED FABRIC
Robert J. Nelson, New York, N. Y.
Application August 25, 1947, Serial No. 141,066
Term of patent 14 years
(Cl. D92—1)



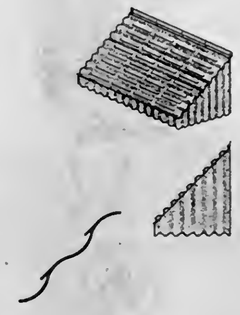
The ornamental design for a pleated fabric, as shown.

153,621
DESIGN FOR AN EDUCATIONAL GAME BOARD
Sarah Anne Patterson, Edgewater, Colo.
Application April 7, 1947, Serial No. 138,204
Term of patent 14 years
(Cl. D25—1)



The ornamental design for an educational game board, as shown.

153,622
DESIGN FOR A LOUVERED CORRUGATED METAL AWNING
Simeon Kenneth Peeples, Wichita, Kans., assignor of fifty per cent to Air Products, Inc., Pittsburg, Kans., a corporation of Kansas
Application January 12, 1948, Serial No. 143,662
Term of patent 14 years
(Cl. D21—6)



The ornamental design for a louvered corrugated metal awning, substantially as shown and described.

153,623
DESIGN FOR A RAIN HOOD OR SIMILAR ARTICLE
William J. Peters, New York, N. Y.
Application June 10, 1947, Serial No. 139,559
Term of patent 3½ years
(Cl. D3—13)



The ornamental design for a rain hood or similar article, as shown.

153,624
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 4, 1949, Serial No. 43
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

153,625
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 4, 1949, Serial No. 44
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

153,626
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 4, 1949, Serial No. 45
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

153,627
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 4, 1949, Serial No. 48
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

153,628
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 8, 1949, Serial No. 145
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

153,629
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 15, 1949, Serial No. 255
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

153,630
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 15, 1949, Serial No. 256
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

153,631
DESIGN FOR A TABLE LIGHTER
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Co., a corporation of Massachusetts
Application July 26, 1948, Serial No. 147,781
Term of patent 14 years
(Cl. D48—27)





The ornamental design for a table lighter, substantially as shown and described.

153,632
DESIGN FOR A TABLE LIGHTER
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Co., a corporation of Massachusetts
Application July 26, 1948, Serial No. 147,782
Term of patent 14 years
(Cl. D48—27)



The ornamental design for a table lighter, substantially as shown and described.

153,633
DESIGN FOR A TABLE LIGHTER
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Co., a corporation of Massachusetts
Application July 26, 1948, Serial No. 147,783
Term of patent 14 years
(Cl. D48—27)



The ornamental design for a table lighter, substantially as shown.

153,634
DESIGN FOR A TABLE LIGHTER
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Co., a corporation of Massachusetts
Application July 26, 1948, Serial No. 147,784
Term of patent 14 years
(Cl. D48—27)



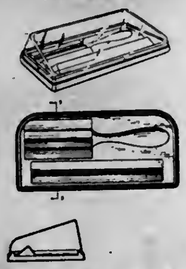
The ornamental design for a table lighter, substantially as shown.

153,635
DESIGN FOR A TABLE LIGHTER
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Co., a corporation of Massachusetts
Application July 29, 1948, Serial No. 147,821
Term of patent 14 years
(Cl. D48—27)



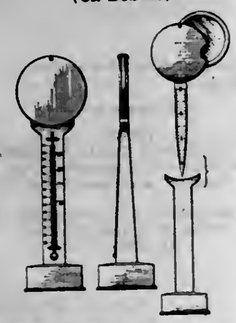
The ornamental design for a table lighter, substantially as shown and described.

153,636
DESIGN FOR A DISPLAY CONTAINER
Jean O. Reinecke, Oak Park, Ill., assignor to Lactona Incorporated, St. Paul, Minn.
Application June 20, 1947, Serial No. 139,838
Term of patent 3½ years
(Cl. D60—5)



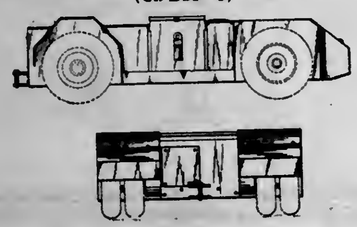
The ornamental design for a display container, as shown.

153,637
DESIGN FOR A COMBINATION DESK UNIT
Ernest H. Reiss, Floral Park, N. Y.
Application June 26, 1947, Serial No. 139,945
Term of patent 14 years
(Cl. D52—7)

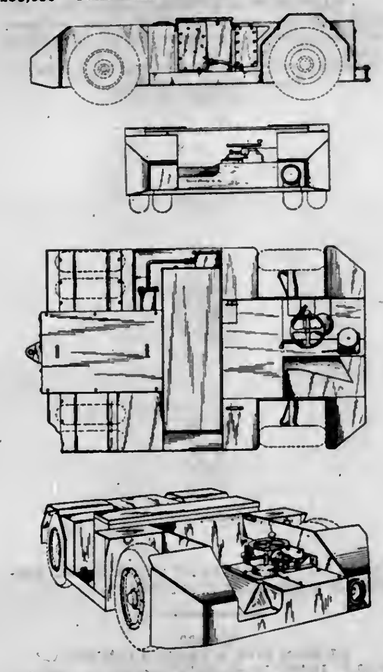


The ornamental design for a combination desk unit, substantially as shown.

153,638
DESIGN FOR A POWER DRIVEN TRACTOR
Edward H. Remde, Cleveland, Ohio, assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio
Application July 31, 1947, Serial No. 140,643
Term of patent 14 years
(Cl. D14—3)

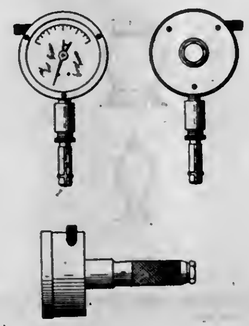


153,638—Continued

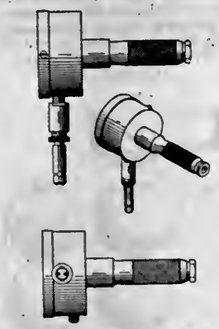


The ornamental design for a power driven tractor, as shown and described.

153,639
DESIGN FOR A PORTABLE PNEUMATIC GAUGE
Frederick L. Rupley, Cincinnati, Ohio, assignor to Merz Engineering Company, Indianapolis, Ind., a corporation of Indiana
Application July 22, 1948, Serial No. 131,791
Term of patent 7 years
(Cl. D52—1)

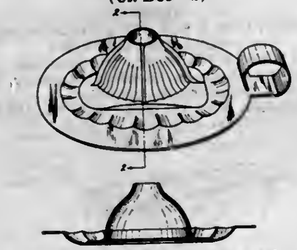


153,639—Continued



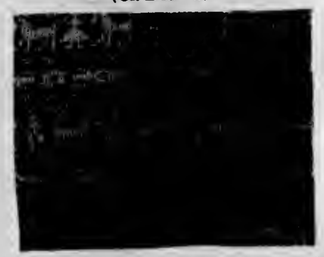
The ornamental design for a portable pneumatic gauge, substantially as shown.

153,640
DESIGN FOR AN ASH TRAY
Adolph Schertz, Youngstown, Ohio
Application July 27, 1948, Serial No. 147,800
Term of patent 3½ years
(Cl. D85—2)



The ornamental design for an ash tray, as shown and described.

153,641
DESIGN FOR A KNITTED FABRIC
May Sidore, Manchester, N. H., assignor to Pandora Knitwear, Inc., New York, N. Y., a corporation of New York
Application October 7, 1947, Serial No. 141,777
Term of patent 7 years
(Cl. D45—2)



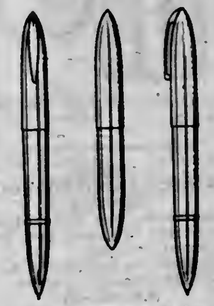
The ornamental design for a knitted fabric, substantially as shown.

153,642
DESIGN FOR A CHRISTMAS TREE ORNAMENT
Richard J. Silverman, Brooklyn, N. Y.
Application March 15, 1948, Serial No. 145,095
Term of patent 3½ years
(Cl. D29—1)



The ornamental design for a Christmas tree ornament, as shown.

153,643
DESIGN FOR A FOUNTAIN PEN
John A. Snodgrass, Prescott, Ark.
Application September 21, 1946, Serial No. 133,487
Term of patent 14 years
(Cl. D74—17)

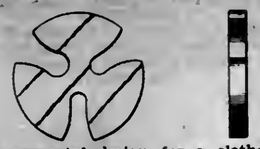


The ornamental design for a fountain pen, as shown and described.

153,644
DESIGN FOR A CLOTHESPIN
James Stanley, Sr., and James Stanley, Jr., New York, N. Y.
Application July 10, 1947, Serial No. 140,206
Term of patent 14 years
(Cl. D17—6)

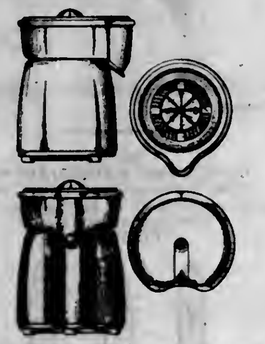


153,644—Continued



The ornamental design for a clothespin, as shown and described.

153,645
DESIGN FOR AN ELECTRIC FRUIT JUICER
Harry L. Stiles, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 10, 1947, Serial No. 141,855
Term of patent 14 years
(Cl. D32—1)



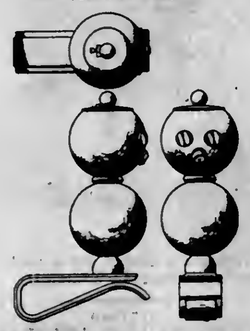
The ornamental design for an electric fruit juicer, as shown.

153,646
DESIGN FOR A RADIO PHONOGRAPH CABINET
Leland George Stone, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application April 24, 1947, Serial No. 138,595
Term of patent 7 years
(Cl. D56—4)



The ornamental design for a radio phonograph cabinet, substantially as shown.

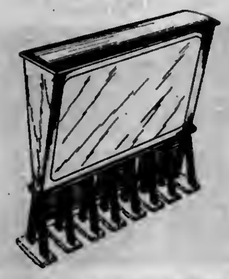
153,647
DESIGN FOR A CRIB TOY OR THE LIKE
Elmer Szantay, Chicago, Ill., assignor to Sandee Manufacturing Company
Application March 26, 1948, Serial No. 145,382
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a crib toy or the like, as shown.

153,648
DESIGN FOR A SCREEN BUILDING FOR AN OUTDOOR THEATRE
Samuel Herbert Taylor, Jr., Merchantville, N. J., assignor to Park-In Theatres Company, Camden, N. J., a limited partnership
Application April 21, 1947, Serial No. 138,527
Term of patent 14 years
(Cl. D13—1.2)





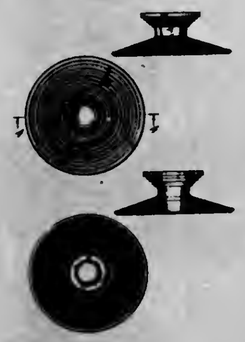
The ornamental design for a screen building for an outdoor theatre, as shown and described.

153,649
DESIGN FOR A DRESS
Robert Trigère, New York, N. Y.
Application September 4, 1948, Serial No. 148,479
Term of patent 3½ years
(Cl. D3—26)



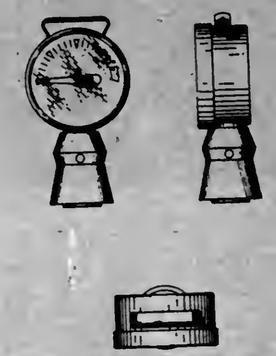
The ornamental design for a dress, substantially as shown.

153,650
DESIGN FOR A CANDLESTICK OR THE LIKE
Bernard Ulvad, Leominster, Mass., assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application August 20, 1948, Serial No. 148,203
Term of patent 14 years
(Cl. D48—2)



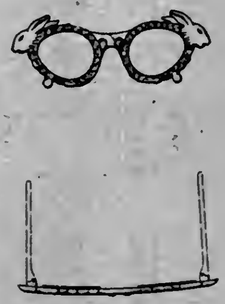
The ornamental design for a candlestick or the like, substantially as shown.

153,651
DESIGN FOR A COMBINED PRESSURE GAUGE AND RELIEF VALVE OR SIMILAR ARTICLE
Ralph D. Waite, Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application August 24, 1948, Serial No. 152,840
Term of patent 7 years
(Cl. D52—1)



The ornamental design for a combined pressure gauge and relief valve or similar article, as shown.

153,652
DESIGN FOR A SUNGLASS FRAME
Joseph R. Watkins, Dover, N. J., assignor to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application December 14, 1948, Serial No. 150,155
Term of patent 14 years
(Cl. D57—1)



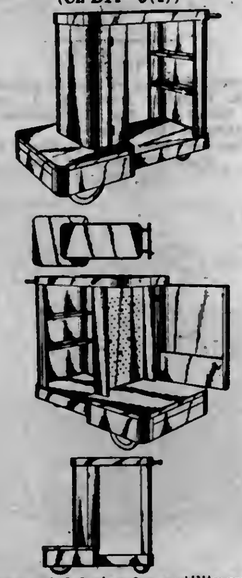
The ornamental design for a sunglass frame, substantially as shown and described.

153,653
DESIGN FOR A TEXTILE FABRIC
Sol Weinberg, New York, N. Y.
Application May 1, 1948, Serial No. 146,119
Term of patent 3½ years
(Cl. D92—1)



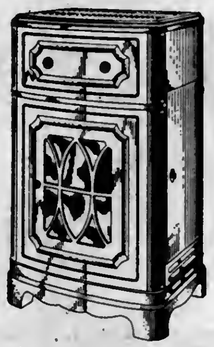
The ornamental design for a textile fabric, substantially as shown.

153,654
DESIGN FOR A UTILITY WAGON
Adolph H. Wende, St. Louis, Mo., assignor to Henry Kleinkauf, Omaha, Nebr., Emil Haas and Henry Gould, both of Kansas City, Mo., Alfred Natkin, Houston, Tex., Bertram M. Natkin, Clayton, Mo., and Samuel J. Shure, St. Louis, Mo., doing business as Natkin & Company, Brentwood, Mo.
Application April 24, 1948, Serial No. 145,940
Term of patent 14 years
(Cl. D14—3(4))



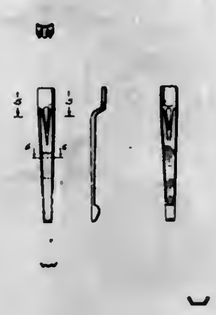
The ornamental design for a utility wagon, substantially as shown.

153,655
DESIGN FOR A CABINET FOR A HEATER OR THE LIKE
Lawrence H. Wilson, Detroit, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application February 17, 1948, Serial No. 144,555
Term of patent 7 years
(Cl. D81—19)



The ornamental design for a cabinet for a heater or the like, substantially as shown and described.

153,656
DESIGN FOR A PENCIL CLIP OR SIMILAR ARTICLE
Frank Winter, Lincolnwood, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application January 4, 1947, Serial No. 135,944
Term of patent 14 years
(Cl. D74—2)



The ornamental design for a pencil clip or similar article, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abbott Laboratories, North Chicago, Ill. Antispasmodic, sedative, and expectorant. Serial No. 548,211, May 3. Class 6.

Abraham & Straus, Inc., Brooklyn, N. Y. Electric clocks. Serial No. 562,432, May 3. Class 27.

Ackerman, Mary D., Mechanicsburg, Ohio. Children's overalls, pajamas, snowsuits, etc. Serial No. 540,358, May 3. Class 39.

Aird-Don Company, Troy, N. Y. Basin cocks, bath cocks, bibs, soldering nipples, etc. Serial No. 548,656, May 3. Class 13.

Allen & Hanburys, Limited, London, England. Preparation of halibut liver oil. Serial No. 554,543, May 3. Class 6.

Allen & Smith Co. Inc., Richmond, Va. Salted peanuts and peanut candy. Serial No. 546,272, May 3. Class 46.

Allied Chemical & Dye Corporation, New York, N. Y. Composition shingles. Serial No. 552,727, May 3. Class 12.

Allied Sleep Products, Inc., Providence, R. I. Sofa beds, studio couches, box springs, etc. Serial No. 550,204, May 3. Class 32.

Aloe, A. S., Company, St. Louis, Mo. Non-poisonous stabilizing solutions. Serial No. 562,623, May 3. Class 6.

American Chewing Products Corp., Newark, N. J. Chewing gum. Serial No. 543,378, May 3. Class 46.

American Colloid Company, Chicago, Ill. Clays. Serial Nos. 538,703–4, May 3. Class 1.

American Crucible Company, North Haven, Conn. Refractories. Serial No. 500,726, May 3. Class 12.

American Gas Association, Inc., New York, N. Y. Gas operated refrigerators. Serial No. 536,806, May 3. Class 31.

American Latex Products Corporation, Los Angeles, Calif. Foam rubber material. Serial No. 509,127, May 3. Class 1.

American Steel Foundries, Chicago, Ill. Ferrous metal castings and forgings. Serial No. 547,812, May 3. Class 14.

American Vault Company, Inc., The, Belmont, Mass. Burial vaults. Serial No. 532,541, May 3. Class 2.

American Zyloptic Co., Inc., New York, N. Y. Lenses and eyeglass, goggle and spectacle frames and parts therefor. Serial No. 558,086, May 3. Class 20.

Amity Notion Co., Inc., New York, N. Y. Separable slide fasteners. Serial No. 548,705, May 3. Class 13.

Apex Venetian Blind Company, Philadelphia, Pa. Venetian blinds. Serial No. 542,804, May 3. Class 32.

Arcos Corporation, Philadelphia, Pa. Consumable metal welding electrodes. Serial No. 553,230, May 3. Class 14.

Arcos Corporation, Philadelphia, Pa. Consumable metal welding electrodes. Serial Nos. 553,243–4, May 3. Class 14.

Arcos Corporation, Philadelphia, Pa. Consumable metal welding electrodes. Serial Nos. 553,249–50, May 3. Class 14.

Arcos Corporation, Philadelphia, Pa. Consumable metal welding electrodes. Serial No. 553,252, May 3. Class 14.

Arcos Corporation, Philadelphia, Pa. Consumable metal welding electrodes. Serial No. 553,254, May 3. Class 14.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Hair tonic. Serial No. 559,093, May 3. Class 6.

Argiro Hermanos, Buenos Aires, Argentina. Electrical motors, electric fans, dynamos, transmitting television sets, etc. Serial No. 529,644, May 3. Class 21.

Armand Company, The, Des Moines, Iowa, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Hand and bath soap. Serial No. 555,476, May 3. Class 4.

Arrowhead Souvenirs, Inc., assignor to Minnetonka Moccasin Company, Inc., Minneapolis, Minn. Moccasins. Serial No. 535,786, May 3. Class 39.

Atlas Underwear Company, The, Piqua, Ohio. Men's, women's and children's underwear. Serial No. 542,260, May 3. Class 39.

Atwood Coffee Co.: *See*—
Atwood Coffee Company.

Atwood Coffee Company, doing business as Atwood Coffee Co., Minneapolis, Minn. Coffee. Serial No. 546,168, May 3. Class 46.

Aurora Products Corporation, Cleveland, Ohio. Detergent. Serial No. 537,962, May 3. Class 4.

Bacon-Scott Company, Inc., New York, N. Y. Hosiery. Serial No. 521,546, May 3. Class 39.

Ball & Tweedy: *See*—
Ball & Tweedy Association.

Ball & Tweedy Association, also doing business as Ball & Tweedy, Downey, Calif. Fresh citrus fruits. Serial No. 548,546, May 3. Class 46.

Barber-Colman Company, Rockford, Ill. Milling cutters. Serial No. 530,911, May 3. Class 23.

Barnes, Althea C.: *See*—
Barnes, Charles D., W. B., and A. C.

Barnes, C. C., Ranch: *See*—
Barnes, Charles D., W. B., and A. C.

Barnes, Charles D., W. B., and A. C., co-administrators of the estate of W. L. Barnes, deceased, doing business as C. C. Barnes Ranch, Ontario, Calif. Fresh peaches. Serial No. 501,110, May 3. Class 46.

Barnes, Wilhelmina B.: *See*—
Barnes, Charles D., W. B., and A. C.

Barnes, Wilhelmina L.: *See*—
Barnes, Charles D., W. B., and A. C.

Bates Manufacturing Company, Lewiston, Maine. Cotton piece goods. Serial Nos. 566,852–3, May 3. Class 42.

Bauer, Carl F., Fort Worth, Tex. Toys. Serial No. 490,097, May 3. Class 22.

Best Foods, Inc., The, New York, N. Y. Mayonnaise, salad dressings, sandwich spread, and tartar sauce. Serial No. 567,382, May 3. Class 46.

Best Mills Co., Inc., Philadelphia, Pa. Men's, boys', ladies', girls' and juvenile shirts, playshorts, swim trunks, etc. Serial No. 513,156, May 3. Class 39.

Beverwyck Breweries, Inc., Albany, N. Y. Ale. Serial No. 528,249, May 3. Class 48.

Bewley, George R., doing business under the name and style of Niagara Frontier Canning Company, Lockport, N. Y. Canned tomato juice, canned tomatoes, and frozen deciduous fruits, and frozen vegetables. Serial No. 496,367, May 3. Class 46.

Biflex Foundations, Inc., New York, N. Y. Brassières, girdles and foundation garments. Serial No. 557,005, May 3. Class 39.

Billings & Spencer Company, The, Hartford, Conn. Tools and machinery. Serial No. 543,351, May 3. Class 23.

Blue Buckle Overall Company, Inc., now by change of name Universal Overall Company, Incorporated, assignor to Blue Ridge Manufacturers, Inc., Lynchburg, Va. Overalls, coats, dungarees, etc. Serial No. 511,668, May 3. Class 39.

Blue Ribbon Paint Company, Wheeling, W. Va. Paint enamels. Serial No. 540,371, May 3. Class 16.

Blue Ribbon Paint Company, Wheeling, W. Va. Interior paints and wall surface sealers. Serial No. 540,372, May 3. Class 16.

Blue Ridge Manufacturers, Inc.: *See*—
Blue Buckle Overall Company, Inc.

Boos, Henry P., Dental Laboratories, Inc., Minneapolis, Minn. Dentures. Serial No. 559,572, May 3. Class 44.

Boatwick Steel Lath Company, The, Niles, Ohio. Metal floor lath. Serial No. 534,736, May 3. Class 12.

Botany Mills, Inc., Passaic, N. J. Woolen fabrics. Serial No. 545,602, May 3. Class 42.

Botany Mills, Inc., Passaic, N. J. Woolen and worsted fabrics. Serial No. 562,316, May 3. Class 42.

Brad's Jewelers, Inc., Brooklyn, N. Y. Finger rings. Serial No. 559,077, May 3. Class 28.

Brainerd Bait Co., St. Paul, Minn. Fishing tackle. Serial No. 540,514, May 3. Class 22.

Bready Tractor and Implement Company, The, Solon, Ohio. Power operated tractors and tools therefor. Serial No. 543,023, May 3. Class 23.

Breier's, Marcus, Sons, New York, N. Y. Men's, women's, and boys' wearing apparel. Serial No. 507,797, May 3. Class 39.

Brite-Ize Co.: *See*—
Copeland, Barnett.

Brough, Clayton S., doing business as Ohio Salt O Mine Co., Toledo, Ohio. Mineralized salt compound. Serial No. 556,404, May 3. Class 6.

Brush Development Company, The, Cleveland, Ohio. Magnetic sound recording and reproducing apparatus. Serial No. 545,337, May 3. Class 21.

Burgand Shirt Company, Incorporated, New Haven, Conn. Men's dress shirts and men's sport shirts. Serial No. 540,553, May 3. Class 39.

Burlington Mills Corporation, Greensboro, N. C. Men's cotton half hose and men's wool half hose. Serial No. 541,076, May 3. Class 39.

Burlington Mills Corporation, Greensboro, N. C. Men's cotton hose and men's wool hose. Serial No. 541,078, May 3. Class 39.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black for use in the manufacture of paints. Serial No. 540,166, May 3. Class 16.

Carroll, Anna L. S., New York, N. Y. Aprons. Serial No. 551,228, May 3. Class 39.

Carté Co., Chicago, Ill. Foot creme. Serial No. 563,152, May 3. Class 6.

Caton Spring Water Co.: *See*—
Seven-Up Bottling Co. of Baltimore, Inc., The.

Cat's Paw Rubber Company, Inc., Baltimore, Md. Strip material and synthetic rubber and compositions thereof. Serial No. 539,936, May 3. Class 50.

Celotex Corporation, The, Chicago, Ill. Construction elements of composite structure. Serial No. 537,561, May 3. Class 12.

Chatham Manufacturing Company, Elkin, N. C. Blankets. Serial No. 567,234, May 3. Class 42.
Chicago Steel Foundry Company, Chicago, Ill. Steel castings. Serial No. 512,321, May 3. Class 14.
Chocolates Fjord S. A., Geneva, Switzerland. Chocolate in slabs and candy. Serial No. 534,746, May 3. Class 46.
Clapp, Otis, & Son, Inc., Boston, Mass. Perfumed alcohol. Serial No. 545,935, May 3. Class 6.
Cleveland Twist Drill Company, The, Cleveland, Ohio. Metal working small tools. Serial No. 535,936, May 3. Class 23.
Clinton Industries Inc., Clinton, Iowa. Laundry starch, modified starches, dextrine, etc. Serial No. 550,022, May 3. Class 6.
Clover Farm Stores Corporation, Cleveland, Ohio. Brooms. Serial No. 553,079, May 3. Class 29.
Clover Farm Stores Corporation, Cleveland, Ohio. Brooms. Serial No. 554,097, May 3. Class 29.
Cluett, Peabody & Co., Inc., Troy, N. Y. Piece goods. Serial No. 550,667, May 3. Class 42.
Coca-Cola Export Corporation, The, New York, N. Y., assignee of The N. V. Nederlandsche Coca-Cola Maatschappij. Non-alcoholic, non-cereal, maltless beverages. Serial No. 510,529, May 3. Class 45.
Cohan & Roth, Incorporated, New York, N. Y. Neckties, cravats, and scarfs. Serial No. 507,375, May 3. Class 39.
Compeco Dye Works, Inc., Norfolk, Va. Cleaning, pressing, and dyeing of wearing apparel, household articles, and the like. Serial No. 543,275, May 3. Class 55.
Congoleum-Nairn, Inc., Kearny, N. J. Liquid compounds. Serial No. 545,341, May 3. Class 4.
Congoleum-Nairn, Inc., Kearny, N. J. Cements and pastes. Serial No. 546,791, May 3. Class 5.
Consolidated Machine Tool Corporation, Rochester, N. Y. Machinery for treating papermaking pulp, etc. Serial No. 546,870, May 3. Class 23.
Continental Air Lines, Inc., Denver, Colo. Air transportation of passengers and cargo. Serial No. 559,883, May 3. Class 50.
Continental Steel Corporation, Kokomo, Ind. Wire fencing and gates therefor, etc. Serial No. 552,359, May 3. Class 13.
Cooper, William, & Nephews Incorporated, Chicago, Ill. Antiseptic, disinfectant, germicidal, and insecticidal preparations. Serial No. 553,156, May 3. Class 6.
Copeland, Barnett, doing business as The Brite-Ize Co., Chicago, Ill. Lens cleaner. Serial No. 532,569, May 3. Class 4.
Corn Products Refining Company, New York, N. Y. Starch. Serial Nos. 553,471–2, May 3. Class 6.
Cover, Harvey B., South Bend, Ind. Goggles. Serial No. 531,442, May 3. Class 26.
Craftsman Line-Up Table Corporation, Waltham, Mass. Precision line-up and register tables. Serial No. 537,016, May 3. Class 26.
Crompton Company, Crompton, R. I. Fabrics. Serial No. 567,761, May 3. Class 42.
Cuban Cigar Company, Denver, Colo. Cigars. Serial No. 540,782, May 3. Class 17.
Cussins and Fearn Company, The, Columbus, Ohio. Coal, kerosene, crude oil, and gas-fired space heaters; radiant space heaters, magazine-type heaters. Serial No. 551,865, May 3. Class 34.
Davis, Herbert, doing business as Hotel Printing and Stationery Company, New York, N. Y. Partially printed forms. Serial No. 550,313, May 3. Class 37.
Davison Chemical Corporation, The, Baltimore, Md. Fertilizers. Serial No. 530,474, May 3. Class 10.
Delaware Floor Products Inc., Wilmington, Del. Felt base, plastic surfaced, wall coverings. Serial No. 556,425, May 3. Class 20.
Dennison Manufacturing Company, Framingham, Mass. Tissue paper. Serial No. 553,477, May 3. Class 37.
Dexter Felt & Hair Company, Philadelphia, Pa. Wool broadfelt carpets. Serial No. 540,528, May 3. Class 42.
Detroit Graphite Company, Detroit, Mich. Paint primers. Serial No. 546,672, May 3. Class 16.
Dow Chemical Company, The, Midland, Mich. Liquid aromatic chemical composition. Serial No. 555,266, May 3. Class 6.
Dunhill, Alfred, of London, Inc., New York, N. Y. Pyrophoric lighters. Serial Nos. 546,472–3, May 3. Class 8.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Blasting agent. Serial No. 543,907, May 3. Class 9.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Adhesive cement. Serial No. 557,880, May 3. Class 5.
Duval, Germaine Xend, Seine, France. Perfumes, toilet waters, rouges, etc. Serial No. 512,401, May 3. Class 6.
Eagle-Picher Company, The, Cincinnati, Ohio. Insulation material. Serial No. 547,714, May 3. Class 12.
Eastern States Farmers' Exchange, West Springfield, Mass. Lubricating oils and greases. Serial No. 551,255, May 3. Class 15.
Eastern States Farmers' Exchange, West Springfield, Mass. Lubricating oils and greases. Serial No. 551,262, May 3. Class 15.
Eclipse Supply Company, San Francisco, Calif. Quick curing meat salt. Serial No. 539,505, May 3. Class 6.
Eldridge, R. W., Co., Inc., Charlotte, N. C. Handkerchiefs. Serial No. 547,247, May 3. Class 39.
Electro Engineering & Mfg. Co., Detroit, Mich. Combined inductive pickup, cradle support, amplifier and sound reproducing unit. Serial No. 523,017, May 3. Class 21.
Ely & Walker Dry Goods Company, St. Louis, Mo. Children's wear. Serial No. 498,215, May 3. Class 93.
Eneré Co., The: *See*—
Gordon, Irene.
Esso Standard Oil Company: *See*—
Stanco Incorporated.
Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. Serial No. 551,963, May 3. Class 22.
Faber-Castell, A. W., Pencil Co., Inc., Newark, N. J. Rubber erasers and black board erasers, wood encased and mechanical pencils, etc. Serial No. 524,178, May 3. Class 37.
Firmenich & Co., Geneva, Switzerland. Synthetical and artificial perfumes. Serial No. 550,501, May 3. Class 6.
Fishman, H., & Son, Philadelphia, Pa. Men's outer shirts. Serial No. 513,883, May 3. Class 39.
Flevo Watch Corporation, Inc., Whitestone, N. Y. Watches. Serial No. 560,460, May 3. Class 27.
Flexible Road Joint Machine Company, Warren, Ohio. Road making machines. Serial No. 530,489, May 3. Class 23.
Florence Stove Company, Gardner, Mass. Combination coal and gas range. Serial No. 529,257, May 3. Class 34.
Food Machinery and Chemical Corporation: *See*—
Westvaco Chemical Corporation.
Ford Motor Company, Dearborn, Mich. Bolts, screws, nuts, lock nut, etc. Serial No. 569,134, May 3. Class 13.
Ford Motor Company, Dearborn, Mich. Automobiles, trucks, busses, etc. Serial No. 569,142, May 3. Class 19.
Foster, Benjamin, Company, Philadelphia, Pa. Cement. Serial No. 556,568, May 3. Class 5.
Fruman, Morris L., Detroit, Mich. Handle pins and clips; door and truck handles; ferrules; screws, etc. Serial No. 517,716, May 3. Class 13.
Garley, Inc., New York, N. Y. Watches and clocks. Serial No. 518,947, May 3. Class 27.
General Aniline & Film Corporation, New York, N. Y. Light-sensitive copying and photographic cloths. Serial No. 558,292, May 3. Class 26.
General Aniline & Film Corporation, New York, N. Y. Light-sensitive copying and photographic papers. Serial No. 558,293, May 3. Class 26.
General Aniline & Film Corporation, New York, N. Y. Light-sensitive opaque plastic-coated copying and photographic papers. Serial No. 558,296, May 3. Class 26.
General Dyestuff Corporation, New York, N. Y. Detergents. Serial No. 505,696, May 3. Class 4.
General Mills, Inc., Minneapolis, Minn., and Wilmington, Del. Sauces and mads of base metal. Serial No. 504,350, May 3. Class 13.
General Refractories Company, Philadelphia, Pa. Standard refractory brick. Serial No. 555,880, May 3. Class 12.
General Refractories Company, Philadelphia, Pa. Granular magnesite ramming mix for furnaces. Serial No. 555,881, May 3. Class 12.
Gilmar Shirt Co., Inc., New York, N. Y. Men's top shirts and sport shirts. Serial No. 547,441, May 3. Class 39.
Goldsmith, Louis, Inc., Philadelphia, Pa. Men's coats, waistcoats, pants, and overcoats. Serial No. 540,273, May 3. Class 39.
Gordon, Irene, doing business as, The Eneré Co., Dorchester, Mass. Hand lotion. Serial No. 562,096, May 3. Class 6.
Great American Tea Company, The, New York, N. Y. Cleaning, dusting and polishing paper. Serial No. 551,008, May 3. Class 37.
Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. Serial No. 547,635, May 3. Class 2.
Gums, Arthur P., North Judson, Ind. Potatoes in the natural state. Serial No. 518,800, May 3. Class 46.
Hage & Azark Co., Brooklyn, N. Y. Women's, misses' and children's house coats and lounging, bath and beach robes. Serial No. 553,490, May 3. Class 39.
Hahn, William, & Company, Washington, D. C. Shoes. Serial No. 552,379, May 3. Class 39.
Hammerman & Finn Inc., New York, N. Y. Table cloths. Serial No. 567,077, May 3. Class 42.
Hart Schaffner & Marx, Chicago, Ill. Men's and boys' suits, coats, overcoats, topcoats, vests, etc. Serial No. 546,054, May 3. Class 39.
Hart Schaffner & Marx, Chicago, Ill. Coats, vests, trousers, overcoats, and raincoats. Serial No. 546,055, May 3. Class 39.
Hartford Products Corporation, The, Hartford, Conn. Portable electric appliances. Serial No. 543,812, May 3. Class 21.
Harvey - Whipple, Incorporated, Springfield, Mass. Domestic oil burners. Serial No. 542,234, May 3. Class 34.
Heinman, Arthur S., Inc., New York, N. Y. Piece goods. Serial No. 555,095, May 3. Class 42.

Henry and Henry, Inc., Buffalo, N. Y. Jelly. Serial No. 541,675, May 3. Class 46.
Hercules Powder Company, Wilmington, Del. Dynamite in cartridge form. Serial No. 549,399, May 3. Class 9.
Howes & Potter, Inc., Boston, Mass. Suspenders, garters, arm bands, and belts. Serial No. 549,367, May 3. Class 39.
Hickey-Freeman Company, Rochester, N. Y. Men's suits. Serial No. 536,924, May 3. Class 39.
Hirsch Tyler Company, Philadelphia, Pa. Military uniforms, military type uniforms, uniforms for governmental employees, etc. Serial No. 554,780, May 3. Class 39.
Hirsch Tyler Company, Philadelphia, Pa. Military uniforms for the armed forces, etc. Serial No. 558,721, May 3. Class 39.
Hodges Research and Development Company, Redwood City, Calif. Commercial refrigeration cabinet. Serial No. 567,519, May 3. Class 21.
Hoe & Co. (1931) Limited, Stretford, England. Chutneys, food sauces, ketchup, etc. Serial No. 506,874, May 3. Class 46.
Hoffmann, George W., Corporation, New York, N. Y. Water-proofing adhesive masonry mortar and water-proofing masonry crack-filler. Serial No. 524,990, May 3. Class 12.
Holeproof Hosiery Co., Milwaukee, Wis. Men's and women's hosiery. Serial No. 534,282, May 3. Class 39.
Hotel Printing and Stationery Company: *See*—
Davis, Herbert.
Hough Shade Corporation, Janesville, Wis. Wood slat shades and Venetian blinds. Serial No. 535,965, May 3. Class 32.
Huber Manufacturing Company, The, Marion, Ohio. Road rollers and road scrapers. Serial No. 528,932, May 3. Class 23.
Irwin Auger Bit Company, The, Wilmington, Del. Auger bits for woodworking use. Serial No. 543,191, May 3. Class 23.
Irwin Auger Bit Company, The, Wilmington, Del. Screw drivers. Serial No. 548,192, May 3. Class 23.
Industrial Precision Grinding Co., Chicago, Ill. Finish machining services. Serial No. 546,743, May 3. Class 55.
International Paint Company, Inc., New York, N. Y. Ready-mixed paints. Serial No. 539,328, May 3. Class 16.
Jay, Stephen, Co., Inc., New York, N. Y. Girdles. Serial No. 556,446, May 3. Class 39.
Jean-Pascal Lorriaux & Cie., Paris, Seine, France. Perfumes. Serial No. 520,405, May 3. Class 6.
Jeffrey Manufacturing Company, The, Columbus, Ohio. Electric motor controllers, electric motor and armatures, etc. Serial No. 548,469, May 3. Class 21.
Jiffy Dog Co., Pasadena, Calif. Frankfurter cooking and dispensing machine. Serial No. 534,686, May 3. Class 23.
Johns-Manville Corporation, New York, N. Y. Tough rubbery coating compositions. Serial No. 546,228, May 3. Class 12.
Johnson Company, The, Marshfield, Wis. Gun cases. Serial No. 550,416, May 3. Class 9.
Karpen, S., & Bros., Chicago, Ill. Davenports, sofas, love seats, etc. Serial No. 546,907, May 3. Class 32.
Kathryn, Inc., Chicago, Ill. Cake make-up. Serial No. 529,771, May 3. Class 6.
Kenley, Joan, Inc., New York, N. Y. Women's and misses' blouses and dresses. Serial No. 550,520, May 3. Class 39.
Kidde, Walter, & Company, Inc., Belleville, N. J. Carbon dioxide, oxygen, and chemical preparations. Serial No. 526,650, May 3. Class 6.
Kidde, Walter, & Company, Inc., Belleville, N. J. Flame actuated electric apparatus, fire detecting apparatus, electrically operated fire alarm apparatus, etc. Serial No. 526,695, May 3. Class 21.
King Refrigerator Corporation, Brooklyn, N. Y. Ice refrigerators. Serial No. 519,339, May 3. Class 31.
Knothe Brothers Co. Inc., New York, N. Y. Empty paper board boxes. Serial No. 549,737, May 3. Class 2.
Kohler & Campbell, Inc., New York, N. Y. Pianos. Serial No. 536,698, May 3. Class 36.
Kurfees, J. F., Paint Company, Louisville, Ky. Prepared or ready-mixed liquid paints. Serial Nos. 535,545–6, May 3. Class 16.
Lamkin Leather Company, Chicago, Ill. Leather strips for golf clubs and racket handles. Serial No. 552,671, May 3. Class 22.
Lancome, S. A., Paris, France. Perfumes, and rouges. Serial No. 530,226, May 3. Class 6.
Lane Brothers Company, Boston, Mass. Shoes. Serial No. 536,702, May 3. Class 39.
Lawson, H. W., Manufacturing Company, Los Angeles, Calif. Men's, women's and children's garments. Serial Nos. 545,999–546,000, May 3. Class 39.
Leggett & Platt, Inc., Carthage, Mo. Bed-springs. Serial No. 543,815, May 3. Class 32.
Lelong, Lucien, Inc., Chicago, Ill. Lipsticks. Serial No. 563,347, May 3. Class 6.
Libbey-Owens-Ford Glass Company, Toledo, Ohio. Transparent mirrored glass. Serial No. 531,226, May 3. Class 33.
Limestone Products Corporation of America, Newton, N. J. Ground or pulverized limestone. Serial No. 511,092, May 3. Class 31.
Liquid Conditioning Corporation, Linden, N. J. Liquid treating equipment. Serial No. 536,622, May 3. Class 31.
Lloyd Manufacturing Co., Inc., Appenaug, R. I. Rubber thread. Serial No. 562,997, May 3. Class 43.
Locke Stove Company, Kansas City, Mo. Water heaters. Serial No. 554,316, May 3. Class 34.
Lockport Felt Company, Newfane, N. Y. Fabrics. Serial No. 547,290, May 3. Class 42.
Lombardi, Cyrus, Brooklyn, N. Y. Nylon buckles. Serial No. 563,071, May 3. Class 40.
Lowenfels, Frederick F., & Son, New York, N. Y. Butter. Serial No. 530,411, May 3. Class 46.
Loyd, L. W., Company, Inc., South Pittsburg, Tenn. Firecrackers. Serial No. 553,290, May 3. Class 9.
Lux Clock Manufacturing Company, The, Waterbury, Conn. Clocks. Serial No. 521,197, May 3. Class 27.
Lux Clock Manufacturing Company, The, Waterbury, Conn. Clocks, clock movements, clock controlled automatic timer mechanisms, etc. Serial No. 560,632, May 3. Class 27.
Mass & Waldstein Company, Newark, N. J. Lacquers, air drying and baking enamels and varnishes. Serial No. 537,917, May 3. Class 16.
Macy, R. H., & Co., Inc., New York, N. Y. Men's suits and leather shoes. Serial No. 546,003, May 3. Class 39.
Mann, Leo, doing business as Leo Mann & Company, Boston, Mass. Liquid preparations for the hair and scalp. Serial No. 494,854, May 3. Class 6.
Mann, Leo, & Company: *See*—
Mann, Leo.
Mats Brewing Co., Bellaire, Ohio. Ale. Serial No. 539,543, May 3. Class 45.
McKaya Company, The, doing business under the name Home Softener Service, St. Paul, Minn. Zeolite water softeners. Serial No. 535,250, May 3. Class 31.
McQuay, Inc., Minneapolis, Minn. Electrically refrigerated accumulators. Serial No. 548,383, May 3. Class 31.
Metal Specialties Products Company, Rochester, N. Y. Electric iron cord supports. Serial No. 546,979, May 3. Class 21.
Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape. Serial No. 542,396, May 3. Class 5.
Mid-States Gummed Paper Co., Chicago, Ill. Blank or partially printed gummed labels and gummed paper. Serial No. 544,642, May 3. Class 37.
Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape, gummed cloth tape, and gummed cloth sheets. Serial No. 544,643, May 3. Class 5.
Minneapolis-Moline Company: *See*—
Minneapolis-Moline Power Implement Company.
Minneapolis-Moline Power Implement Company, Minneapolis, Minn., now by merger Minneapolis-Moline Company, Hopkins, Minn. Tractors. Serial No. 534,644, May 3. Class 23.
Minnetonka Moccasin Company, Inc.: *See*—
Arrowhead Souvenirs, Inc.
Monarch Garment Corp., New York, N. Y. Ladies' and misses' coats, suits and dresses. Serial No. 534,174, May 3. Class 39.
Monarch Leather Company, Chicago, Ill. Leather. Serial No. 513,442, May 3. Class 1.
Monsanto Chemical Company, St. Louis, Mo. Chemical toxicants. Serial No. 557,861, May 3. Class 6.
Monsanto Chemical Company, St. Louis, Mo. Chemical toxicants. Serial Nos. 557,863–4, May 3. Class 6.
Moore-Handley Hardware Co., Inc., Birmingham, Ala. Aluminum paint, colors in oil, barn paints, etc. Serial No. 545,591, May 3. Class 16.
Morrison-Atlas Products, Chicago, Ill. Photographic film squeegees. Serial No. 510,715, May 3. Class 26.
Motorola, Inc., Chicago, Ill. Television receivers. Serial No. 523,321, May 3. Class 21.
Motorola, Inc., Chicago, Ill. Radio receivers. Serial No. 523,322, May 3. Class 21.
Murdock Distributors, Inc., Los Angeles, Calif., assignee of National Technical Laboratories. Germicide solutions and germicide tablets. Serial No. 505,224, May 3. Class 6.
Murphy, G. C., Company, McKeesport, Pa. Women's hosiery. Serial No. 546,012, May 3. Class 39.
N. V. Nederlandsche Coca-Cola Maatschappij, The: *See*—
Coca-Cola Export Corporation, The.
Name-Maker Corporation, New York, N. Y. Name tapes. Serial No. 563,788, May 3. Class 40.
National Silver Company, New York, N. Y. Sterling silver flatware. Serial Nos. 560,832–4, May 3. Class 28.
National Silver Company, New York, N. Y. Sterling silver flatware. Serial Nos. 561,933–5, May 3. Class 28.
National Technical Laboratories: *See*—
Murdock Distributors, Inc.
National Volcanised Fibre Co., Wilmington, Del. Laminated bushings for water lubrication of marine bearings. Serial No. 557,223, May 3. Class 23.
New Jersey Rubber Company, Taunton, Mass. Rubber heels, rubber taps, and rubber soles. Serial No. 546,416, May 3. Class 39.
New York Eye Protection Co. Inc., Brooklyn, N. Y. Lenses. Serial No. 507,414, May 3. Class 26.
Niagara Frontier Canning Company: *See*—
Bewley, George R.
Noblitt-Sparks Industries, Inc., Columbus, Ind. Metal chairs and dinette tables. Serial No. 539,424, May 3. Class 32.

Norlin, Clarence F., doing business as Norlin Manufacturing Company, Chicago, Ill. Aprons. Serial No. 530,114, May 3. Class 39.

Norlin Manufacturing Company: *See*—
Norlin, Clarence F.

Norwich Knitting Company, Norwich, N. Y. Sweat shirts, polo shirts, jackets, under shirts, outershirts, etc. Serial No. 547,931, May 3. Class 39.

Oakes & Company, Chicago, Ill. Oil space heaters, stoves, ranges, etc. Serial No. 540,558, May 3. Class 34.

O-Cedar Corp'n., Chicago, Ill. Polishes and waxes. Serial No. 542,196, May 3. Class 16.

Ohio Salt O Mins Co.: *See*—
Brough, Clayton S.

Olin Industries, Inc., East Alton, Ill. Rifle cartridges. Serial No. 527,897, May 3. Class 9.

Owen-Morgan, Inc., New York, N. Y. Blouses, shirts, and jacket blouses. Serial No. 535,596, May 3. Class 39.

Parker Brothers, Inc., Salem, Mass. Game played with chips. Serial No. 549,329, May 3. Class 22.

Parker, Royce L., Inc., Bellwood, Ill. Steam kettles and steam cookers. Serial No. 496,101, May 3. Class 34.

Pearlman, B., & Company Limited, London, England. Pyrophoric cigar and cigarette lighters and parts thereof. Serial No. 525,240, May 3. Class 8.

Peter Pan Foundations, Inc., New York, N. Y. Brassières. Serial No. 553,539, May 3. Class 39.

Phillips-Jones Corporation, New York, N. Y. Men's pajamas. Serial No. 525,944, May 3. Class 39.

Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. Serial Nos. 529,489–90, May 3. Class 39.

Physicians & Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 561,213, May 3. Class 6.

Polk Miller Products Corporation, Richmond, Va. Tick killer, skin balm, and flea powder. Serial No. 526,285, May 3. Class 6.

Pollak, Henry, Inc., New York, N. Y. Felt and straw hat bodies. Serial No. 540,571, May 3. Class 39.

Pommrock Bottling Corp., New York, N. Y. Nonalcoholic, non-cereal, maltless beverages and sirups and extracts. Serial No. 522,411, May 3. Class 45.

Pond's Extract Company, New York, N. Y., and elsewhere. Paper tissues. Serial No. 552,490, May 3. Class 37.

Popular Mechanics Company, Chicago, Ill. Monthly magazine. Serial No. 550,550, May 3. Class 38.

Portland Packing Co., Portland, Maine. Canned clams. Serial No. 548,407, May 3. Class 46.

Procter & Gamble Company, The: *See*—
Armand Company, The.

Procter & Gamble Company, The, Cincinnati, Ohio. Soluble cleaner, cleanser, and detergent. Serial No. 528,004, May 3. Class 4.

Professional Budget Plan, Madison, Wis. Business and professional consultation and planning services for the medical and dental professions. Serial No. 553,016, May 3. Class 35.

Professional Budget Plan, Madison, Wis. Business and professional consultation and planning services for the medical and dental professions. Serial No. 553,018, May 3. Class 35.

Progress Bedding Co., Detroit, Mich. Mattresses and box springs. Serial No. 532,339, May 3. Class 32.

Progress Bedding Co., Detroit, Mich. Mattresses. Serial No. 532,341, May 3. Class 32.

Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair brushes. Serial No. 554,910, May 3. Class 29.

Ready-Power Co., The, Detroit, Mich. Internal combustion engine driven generator sets, etc. Serial No. 522,647, May 3. Class 21.

Reliance Products Corporation, Portland, Oreg. Oil burners, oil burning stoves, and parts thereof. Serial No. 554,415, May 3. Class 34.

Republic Paint & Varnish Co., Chicago, Ill. Paint enamel, flat wall finish paint, and varnish. Serial No. 540,881, May 3. Class 16.

Research Manufacturing Company, Savannah, Ga. Solenoid switch mechanisms. Serial No. 536,136, May 3. Class 21.

Reynolds Electric Co., Chicago, Ill. Parts for electric advertising signs of the gaseous glow type. Serial No. 527,912, May 3. Class 21.

Rhodes Pharmacal Co., Inc., Cleveland, Ohio. Preparation containing thiamin chloride, riboflavin, ascorbic acid, etc. Serial No. 562,807, May 3. Class 6.

Richmond Hosiery Mills, Rossville, Ga. Hosiery. Serial No. 532,505, May 3. Class 39.

Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Fire extinguishing equipment. Serial No. 508,531, May 3. Class 23.

Rogers Paint Products, Inc., Detroit, Mich. Paints in paste and ready mixed form. Serial No. 542,661, May 3. Class 16.

Rose, Ernst, San Francisco, Calif. Scented and tinted soap pellets. Serial No. 516,036, May 3. Class 4.

Roth, Chester H., Co., Inc., New York, N. Y. Women's and children's hosiery. Serial No. 543,657, May 3. Class 39.

St. Regis Paper Company, New York, N. Y. Paper bags. Serial No. 533,637, May 3. Class 2.

Santa Clara Packing Company, San Jose, Calif. Canned fruits, canned vegetable juices. Serial No. 542,786, May 3. Class 46.

Santa Paula Orange Association, Santa Paula, Calif. Fresh citrus fruits. Serial No. 546,878, May 3. Class 46.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. Serial No. 542,240, May 3. Class 39.

Scripto, Inc., Atlanta, Ga. Mechanical pencils and pencil leads. Serial No. 551,063, May 3. Class 37.

Sears, Roebuck and Co., Chicago, Ill. Watches. Serial No. 581,501, May 3. Class 27.

Selectronic Dispersions, Inc., Montclair, N. J. Thermoplastic materials. Serial No. 537,740, May 3. Class 1.

Semon Bache & Company, New York, N. Y. Wall mirrors, hand mirrors, and mirrors in the nature of furniture. Serial No. 543,031, May 3. Class 32.

Sessions Clock Company, The, Forestville, Conn. Clocks, clock movements, and parts thereof. Serial No. 557,780, May 3. Class 27.

Seven-Up Bottling Co. of Baltimore, Inc., The, doing business as Caton Spring Water Co., Catonsville, Md. Ginger ale and spring water. Serial No. 544,780, May 3. Class 45.

Shirtcraft Company, Inc., The, New York, N. Y. Men's and boys' outer shirts. Serial No. 544,615, May 3. Class 39.

Simplicity Pattern Co., Inc., New York, N. Y. Men's, women's, and children's garment and accessory patterns, doll and toy patterns, and needlecraft patterns. Serial No. 541,710, May 3. Class 26.

Sloane Pen Company, New York, N. Y. Writing instruments. Serial No. 538,968, May 3. Class 37.

Smith, Edward, & Co., Inc., New York, N. Y. Marine spar varnish. Serial No. 549,019, May 3. Class 16.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Cutting oils. Serial No. 541,033, May 3. Class 15.

Southern California Plastic Company, Glendale, Calif. Plastic utility dishes. Serial No. 549,851, May 3. Class 2.

Southwest Airways Company, San Francisco, Calif. Transportation of cargo and passengers by aircraft. Serial No. 558,759, May 3. Class 55.

Speidel Corporation, Providence, R. I. Bracelets. Serial No. 561,268, May 3. Class 28.

Sperber Company, Philadelphia, Pa. Aprons, make-up capes, and shower caps. Serial No. 522,652, May 3. Class 39.

Sperry Corporation, The: *See*—
Sperry Gyroscope Company, Inc.

Sperry Gyroscope Company, Inc., Great Neck, N. Y., now by merger The Sperry Corporation. Electronic apparatus. Serial No. 532,760, May 3. Class 21.

Stadium Manufacturing Co., Inc., Baltimore, Md. Pajamas, underwear, shorts, and outer shirts. Serial No. 536,844, May 3. Class 39.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., assignor to Esso Standard Oil Company, Wilmington, Del. Refined, semi-refined, and unrefined oils and greases, etc. Serial No. 552,512, May 3. Class 15.

Standard Oil Company, of California, Wilmington, Del., and San Francisco, Calif. Lubricating oils and Diesel engine lubricating oil. Serial No. 550,457, May 3. Class 15.

Statler Tissue Corp., Somerville, Mass. Toilet tissues, paper towels, and napkins. Serial No. 544,000, May 3. Class 37.

Stein-Sulkins Shoe Co., Haverhill, Mass. Women's, misses', and children's shoes. Serial No. 546,882, May 3. Class 39.

Stenographic Machines, Inc., Chicago, Ill. Shorthand machines. Serial No. 532,066, May 3. Class 23.

Sterilseat Corporation, Wilmington, Del. Toilet seats. Serial No. 549,026, May 3. Class 13.

Stevens Hat Company, St. Joseph, Mo. Men's and boys' hats and caps. Serial No. 518,921, May 3. Class 39.

Stix, Baer & Fuller Company, St. Louis, Mo. Powder puffs. Serial No. 550,840, May 3. Class 29.

Stratton & Terstegge Company, Louisville, Ky. Minnow buckets, tackle boxes, and bait boxes. Serial No. 553,649, May 3. Class 22.

Stratton & Terstegge Company, Louisville, Ky. Minnow buckets. Serial No. 553,651, May 3. Class 22.

Stroock, S., & Co. Inc., New York, N. Y. Woven cloth. Serial No. 558,968, May 3. Class 42.

Stylepark Hats, Inc., Philadelphia, Pa. Men's, boys', and women's hats. Serial No. 545,404, May 3. Class 39.

Superb Glove Company, The, Johnstown, N. Y. Men's, women's, and children's gloves. Serial No. 557,320, May 3. Class 39.

Syntron Company, Homer City, Pa. Lubricating oils and greases. Serial No. 549,094, May 3. Class 15.

Tamms Silica Company, Chicago, Ill. Waterproof coating. Serial No. 552,286, May 3. Class 12.

Taverner & Fricke, Los Angeles, Calif. Paper cocktail napkins, paper napkins, shelf paper, etc. Serial No. 511,252, May 3. Class 37.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. Serial Nos. 525,444–5, May 3. Class 17.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. Serial No. 525,449, May 3. Class 17.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. Serial No. 525,452, May 3. Class 17.

Tempe Citrus Company, Tempe, Ariz. Fresh citrus fruit. Serial No. 542,058, May 3. Class 46.

Tingey, George, & Co., Limited, Manchester, England. Piece goods. Serial No. 566,051, May 3. Class 42.

Transparent Products Corp., Los Angeles, Calif. Electrically operated combination display signs and cases. Serial No. 541,479, May 3. Class 21.

Trescott Company, Inc., The, Fairport, N. Y. Fruit and vegetable grading, cleaning, and packing machines. Serial No. 508,027, May 3. Class 23.

Triple "E" Products Company, St. Louis, Mo. Pencil sharpeners. Serial No. 543,340, May 3. Class 23.

Ulmer Pharmacal Company: *See*—
Physicians & Hospitals Supply Company, Inc.

Unit Structures, Inc., Peshtigo, Wis. Laminated wood arches. Serial No. 505,537, May 3. Class 12.

United Wall Paper, Inc., Chicago, Ill. Wallpaper. Serial No. 556,207, May 3. Class 37.

United States Tobacco Company, Flemington, N. J., and New York, N. Y. Smoking tobacco. Serial No. 550,873, May 3. Class 17.

Universal Overall Company, Incorporated: *See*—
Blue Buckle Overall Company, Inc.

Vanadium-Alloys Steel Company, Latrobe, Pa. Tool steel in the form of billets, bars, sheets, and plates. Serial No. 547,197, May 3. Class 14.

Vanadium-Alloys Steel Company, Latrobe, Pa. Steel bars, sheets, and plates. Serial No. 551,842, May 3. Class 14.

Van Dusen Harrington Co., Minneapolis, Minn. Wheat flour. Serial No. 535,415, May 3. Class 46.

Verney Corporation: *See*—
Verney Fabrics Corporation.

Verney Fabrics Corporation, New York, N. Y., assignor to Verney Corporation, Boston, Mass. Piece goods. Serial No. 534,400, May 3. Class 42.

Vita-Var Corporation, Newark, N. J. Adhesive compound. Serial No. 547,500, May 3. Class 5.

Volupté, Inc., Elizabeth, N. J., and New York, N. Y. Pill boxes, compacts, vanity cases, etc. Serial No. 549,856, May 3. Class 2.

Wakefield, C. C., & Company Limited, London, England. Oils and greases. Serial No. 551,343, May 3. Class 15.

Wakefield, C. C. & Company Limited, London, England. Lubricating oils and lubricating greases. Serial No. 551,345, May 3. Class 15.

Wakefield, C. C., & Company Limited, London, England. Oils. Serial No. 551,347, May 3. Class 15.

Wallace Co., Inc., The, Philadelphia, Pa. Women's and misses' twopiece suits. Serial No. 549,198, May 3. Class 39.

Weil Bros. Textiles Inc., New York, N. Y. Textile carpets and rugs. Serial No. 557,642, May 3. Class 42.

Weinberg-Weinberg-Alpern, New York, N. Y. Women's and little women's dresses. Serial No. 531,558, May 3. Class 39.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; loose writing paper, loose paper, etc. Serial No. 538,690, May 3. Class 37.

Westgate Sea Products Co., San Diego, Calif. Canned fish. Serial No. 538,334, May 3. Class 46.

Westvaco Chemical Corporation, assignor to Food Machinery and Chemical Corporation, New York, N. Y. Chemical cleaning compound. Serial No. 564,489, May 3. Class 4.

Wilson Chemical Co., Chicago, Ill. Household cleaning fluid. Serial No. 527,083, May 3. Class 4.

Wilson Manufacturing Company, Inc., The, Boston, Mass. Leather billfolds and pocket wallets. Serial No. 561,277, May 3. Class 3.

Winter & Company: *See*—
Winter and Company, Inc

Winter and Company, Inc., by merger with Winter & Company, New York, N. Y. Piano plates. Serial No. 491,186, May 3. Class 36.

Woodhouse, Samuel F., Company, Philadelphia, Pa. Interior and exterior paints, varnishes, and paint enamels. Serial No. 511,064, May 3. Class 16.

Wren, Wm., Limited, Bushey, Watford, England. Polishing preparations. Serial No. 548,039, May 3. Class 16.

Zelikovsky Bros. Co., Inc., New York, N. Y. Watches. Serial No. 562,516, May 3. Class 27.

LIST OF REGISTRANTS OF TRADE-MARKS

A-1 Beverage Corp., Philadelphia, Pa. Maltless soft drink. 442,629, May 3; Serial No. 522,422, published Jan. 18, 1949. Class 45.

Abrams, M. L., Company, Cleveland, Ohio. Electrically operated agitating and paper aligning machines. 442,603, May 3; Serial No. 506,720, published Dec. 21, 1948. Class 21.

Acme Visible Records, Inc., Chicago, Ill. Filing cabinets and filing cabinet drawers. 509,389, May 3; Serial No. 541,762, published Jan. 11, 1949. Class 32.

Adams, George W., C. E. Heltman, N. E. Ritchie, W. S. Booth, F. L. Jandron, and J. E. Fernald, trustees under the will of M. B. G. Eddy, deceased, by J. E. Fernald, G. W. Adams, C. B. Craig, L. I. Gwalter, F. L. Jandron, and A. Pittman, trustees under the will of M. B. G. Eddy, deceased, Boston, Mass. Printed books and publications. 403,478, Sept. 28, 1943. Republished May 3. Class 38.

Aetna Ball & Roller Bearing Company, Chicago, Ill. Ball bearings and roller bearings. 509,322, May 3; Serial No. 535,670, published Jan. 11, 1949. Class 23.

Aetna Mills: *See*—
Larabee Flour Mills Company.

Airline Foods Corporation: *See*—
Max Ams, Incorporated.

Allen, William R., Manchester, by John Sinclair, Limited, Newcastle-On-Tyne, England. Cigarettes, cigars, smoking tobacco, and chewing tobacco. 67,773, Feb. 18, 1908. Republished May 3. Class 17.

Alliance Manufacturing Company, The, Alliance, Ohio. Electric turn-tables. 509,394, May 3; Serial No. 541,904, published Jan. 11, 1949. Class 21.

American Aviation Associates, Inc., Washington, D. C. Periodical published twice each month. 509,267, May 3; Serial No. 529,848, published Dec. 21, 1948. Class 38.

American Beverage Corporation, Brooklyn, N. Y. Celery beverage. 509,418, May 3; Serial No. 545,807, published Jan. 18, 1949. Class 45.

American Brake Shoe Company, New York, N. Y. Friction elements for brakes and clutches, fan belts, radiator hose, etc. 509,229, May 3; Serial No. 520,670, published Jan. 18, 1949. Class 35.

American Chewing Products Corp., Newark, N. J. Chewing gum. 259,081, renewed July 23, 1949. O. G. May 3. Class 46.

American Chewing Products Corp., Newark, N. J. Candy-coated chewing gum. 259,097, renewed July 23, 1949. O. G. May 3. Class 46.

American Continental Corporation, Paterson, N. J. Piece goods. 509,357, May 3; Serial No. 538,484, published Dec. 28, 1948. Class 42.

American Grinder Manufacturing Co., by Blackhawk Mfg. Co., Milwaukee, Wis. Tools. 212,682, May 11, 1926. Republished May 3. Class 23.

American Gum Products Company: *See*—
American Gum Products Co.

American Gum Products Co., Boston, Mass., by American Gum Products Company, New York, N. Y. Manufactured gum. 92,500, July 15, 1913. Republished May 3. Class 5.

American Hair & Felt Company: *See*—
Dry-Zero Corporation.

American-Marsh Pumps, Inc., Battle Creek, Mich. Centrifugal pumps. 506,280, May 3; Serial No. 531,419, published Jan. 11, 1949. Class 23.

Ames Baldwin Wyoming Co.: *See*—
Ames Shovel and Tool Company.

Ames Shovel and Tool Company, North Easton, Mass., to Ames Baldwin Wyoming Co., Parkersburg, W. Va. Tools and parts thereof. 258,346–7, renewed July 2, 1949. O. G. May 3. Class 23.

Ams, Max, Incorporated, New York, by Airline Foods Corporation, Long Island City, N. Y. Fruit preserves. 245,556, Aug. 14, 1928. Republished May 3. Class 46.

Apco Corporation, The, Los Angeles, Calif. Mobile electrical high voltage apparatus. 442,626, May 3; Serial No. 520,248, published Dec. 28, 1948. Class 23.

Archer Rubber Company, Milford, Mass. Elastic corset fabric in the piece. 437,543, Mar. 30, 1948. Republished May 3. Class 42.

Archer Rubber Company, Milford, Mass. Elastic corset fabric in the piece. 437,545, Mar. 30, 1948. Republished May 3. Class 42.

Arnall, P. E.: *See*—
Avery, William L., and Arnall.

Assau, W. F., Canning Co., Inc., Baltimore, Md. Canned fruits and vegetables. 509,317, May 3; Serial No. 535,454, published Jan. 4, 1949. Class 46.

Assau, W. F., Canning Co., Inc., Baltimore, Md. Canned fruits and canned vegetables. 509,318, May 3; Serial No. 535,455, published Jan. 4, 1949. Class 46.

Atlantic Macaroni Co., The, New York, by Caruso Foods, Inc., Long Island City, N. Y. Macaroni. 71,274, Nov. 17, 1908. Republished May 3. Class 46.

Atlas Supply Company, Newark, N. J. Rubber tires. 509,443, May 3; Serial No. 552,631, published Jan. 18, 1949. Class 35.

Automatic Manufacturing Corporation, East Newark, N. J. Coil and coudenser assemblies. 509,336, May 3; Serial No. 536,482, published Dec. 21, 1948. Class 21.

Avco Manufacturing Corporation, Cincinnati, Ohio. Radio receivers. 509,268, May 3; Serial No. 528,683, published Dec. 21, 1948. Class 21.

Avery, William L., and P. E. Arnall, Miami, Fla. Diapers. 509,318, May 3; Serial No. 548,907. Class 39.
Aviatrix Co., New York, N. Y. Coiffure retaining caps, protecters for the hair, caps, etc. 442,589, May 3; Serial No. 494,004, published Dec. 14, 1948. Class 39.
BBB Company, Limited, The, assignor to William Demuth & Company, by D. A. Schulte, Inc., New York, N. Y. Smoking tobacco. 341,943, Dec. 29, 1936. Republished May 3. Class 17.
B. B. B. Pipe Co. Inc., by D. A. Schulte, Inc., New York, N. Y. Tobacco pipes, cigar and cigarette tubes and holders. 218,141, Sept. 21, 1926. Republished May 3. Class 8.
B. B. B. Pipe Co, Inc., by D. A. Schulte, Inc., New York, N. Y. Tobacco pipes, cigar and cigarette tubes and holders. 218,150, Sept. 21, 1926. Republished May 3. Class 8.
Bach, Lesem, & Co. Inc., New York, N. Y. Piece goods. 381,942, Oct. 15, 1940. Republished May 3. Class 42.
Bach, Lesem, & Co. Inc., New York, N. Y. Piece goods. 401,887, June 15, 1943. Republished May 3. Class 42.
Barmo Postman Corporation, New York, N. Y. Gloves. 324,442, July 7, 1936. Republished May 3. Class 39.
Bag-O-Lite Ltd., Brooklyn, N. Y. Small portable mirrors and illuminated mirrors. 509,332 May 3; Serial No. 536,218, published Jan. 4, 1949. Class 32.
Barber-Colman Company, Rockford, Ill. Electric motors. 509,292, May 3; Serial No. 532,796, published Dec. 21, 1948. Class 21.
Barney & Berry, Inc., to Olin Industries, Inc., New Haven, Conn. Flashlights and batteries. 253,320, renewed Feb. 26, 1949. O. G. May 3. Class 21.
Barton, Clay, Whittier, Calif. Fluorescent lighting fixtures. 509,222, May 3; Serial No. 520,922, published Dec. 21, 1948. Class 21.
Barton Corporation, The, West Bend, Wis. Laundry washing machines. 374,109, Jan. 2, 1940. Republished May 3. Class 24.
Basic Foods, Inc., Jersey City, N. J., by Basic Foods, Inc., New York, N. Y. Icings for cakes and cookies. 367,487. May 16, 1939. Republished May 3. Class 46.
Basic Foods, Inc., New York, N. Y. Icing for cakes and cookies. 509,499, May 3; Serial No. 535,787. Class 46.
Basic Foods Sales Corp., New York, N. Y. Icing for cakes and cookies. 387,953, June 10, 1941. Republished May 3. Class 46.
Basic Foods Sales Corp., New York, N. Y. Icings for cakes and cookies. 419,460, Feb. 19, 1946. Republished May 3. Class 46.
Basic Foods Sales Corp., New York, N. Y. Icing machines. 438,478, Apr. 20, 1948. Republished May 3. Class 23.
Bear Creek Orchards, by Harry and David, Medford, Oreg. Fresh deciduous fruits. 368,755, June 27, 1939. Republished May 3. Class 46.
Bear Creek Orchards, doing business as Rosenberg Bros., by Harry and David, Medford, Oreg. Canned fruits. 366,898, July 4, 1939. Republished May 3. Class 46.
Beau Brummell Ties, Inc.: *See*—
Weisbaum Bros., Brower Company, The.
Becker, Arnold W., & Co., Inc., New York, N. Y. Box springs, pillows, sofa beds, etc. 509,397, May 3; Serial No. 542,512, published Jan. 11, 1949. Class 32.
Beetham, M., & Son, to M. Beetham & Son, Cheltenham, England. Soap, perfumery, and toilet preparations. 32,938, re-renewed May 23, 1949. O. G. May 3. Classes 4 and 6.
Beir, Arthur, & Co. Inc., New York, N. Y. Silk piece goods. 129,003, Dec. 23, 1919. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Cotton, silk, silk and cotton mixed, etc., piece goods. 224,244, Feb. 22, 1927. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Piece goods. 277,608, Nov. 18, 1930. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. 314,167, June 19, 1934. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Piece goods. 327,627, Sept. 3, 1935. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. 334,175–6, Apr. 21, 1936. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. 334,186, Apr. 21, 1936. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. 335,595, June 9, 1936. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. 335,696, June 9, 1936. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Cotton piece goods. 343,026, Feb. 9, 1937. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. 344,883, Apr. 6, 1937. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Piece goods. 352,071, Nov. 16, 1937. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Cotton piece goods. 354,142, Feb. 1, 1938. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Piece goods. 366,854, May 2, 1939. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. 371,932, Oct. 17, 1939. Republished May 3. Class 42.
Beir, Arthur, & Co., Inc., New York, N. Y. Cotton piece goods. 404,298, Nov. 16, 1943. Republished May 3. Class 42.
Bell & Zoller Coal Company, Chicago, Ill. Coal. 356,483, Apr. 26, 1938. Republished May 3. Class 1.
Bell & Zoller Coal Company, Chicago, Ill. Coal. 357,114–15, May 24, 1938. Republished May 3. Class 1.
Bell & Zoller Coal Company, Chicago, Ill. Coal. 358,799, July 26, 1938. Republished May 3. Class 1.
Bell & Zoller Coal Company, Chicago, Ill. Coal. 359,199, Aug. 9, 1938. Republished May 3. Class 1.
Bell & Zoller Coal Company, Chicago, Ill. Coal. 359,203, Aug. 9, 1938. Republished May 3. Class 1.
Bell & Zoller Coal Company, Chicago, Ill. Coal. 360,015, Sept. 6, 1938. Republished May 3. Class 1.
Bell & Zoller Coal Company, Chicago, Ill. Coal. 401,132, Apr. 27, 1943. Republished May 3. Class 1.
Ben-Gee Products, Inc., Chicago, Ill. Foods and ingredients of foods. 442,613, May 3; Serial No. 515,651, published Jan. 18, 1949. Class 46.
Bennett & Goding Incorporated, Boston, Mass. Cotton goods. 242,268, May 22, 1928. Republished May 3. Class 42.
Bensdorp N. V.: *See*—
Hollandsche Cacao-En Chocoladefabrieken.
Benwood-Linze Company, St. Louis, Mo., now by merger Vickers, Incorporated, a corporation of Michigan. Electric current rectifiers. 509,428, May 3; Serial No. 547,379, published Jan. 4, 1949. Class 21.
Bergman, Edgar, New York, N. Y. Ladies' washable cloth belts. 509,527, May 3; Serial No. 552,113. Class 39.
Berkshire Woolen Company, Pittsfield, Mass. Woolen and worsted tropical fabrics in the piece, and crashes in the piece. 509,496, May 3; Serial No. 534,871. Class 42.
Berndt-Bach, Incorporated, Los Angeles, Calif. 16 mm. sound-on-motion picture film recording equipment. 509,314, May 3; Serial No. 535,122, published Jan. 11, 1949. Class 26.
Berry Brothers, Incorporated, Detroit, Mich. Vanish, stain, combination of varnish and stain, and paint enamel. 248,521, Oct. 23, 1928. Republished May 3. Class 16.
Berry Brothers, Incorporated, Detroit, Mich. Lacquers, reducers, ready-mixed paint, and primers. 248,522, Oct. 23, 1928. Republished May 3. Class 16.
Big Top Beverages: *See*—
Collings, Carr, Jr.
Big Top Beverages Inc.: *See*—
Collins, Carr, Jr.
Binky Baby Products Company, New York, N. Y. Toy animals, toy wagons, toy army tanks, etc. 408,918, Sept. 5, 1944. Republished May 3. Class 22.
Biscaglia Bros. Wine Company: *See*—
Lovtner, William H.
Black & Decker Manufacturing Company, The, Towson, Md. Portable electric tools. 442,581, May 3; Serial No. 484,438, published Jan. 11, 1949. Class 21.
Blackhawk Mfg. Co.: *See*—
American Grinder Manufacturing Co.
Blanchard Machine Company, The, Cambridge, Mass. Vertical spindle, surface grinding machines. 509,274, May 3; Serial No. 530,918, published Jan. 11, 1949. Class 23.
Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece, etc. 509,268, May 3; Serial No. 530,287, published Dec. 21, 1948. Class 42.
Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece, etc. 509,269, May 3; Serial No. 530,289, published Dec. 21, 1948. Class 42.
Blumenthal, Sidney, & Co., Inc., New York, N. Y. Pile fabrics in the piece, etc. 509,270, May 3; Serial No. 530,290, published Dec. 23, 1948. Class 42.
Bol, Ltd., New York, N. Y. Bottles and cans. 442,587, May 3; Serial No. 489,644, published Jan. 18, 1949. Class 2.
Bone Dry Shoe Mfg. Co., Tacoma, Wash. Men's shoes. 509,299, May 3; Serial No. 533,841, published Dec. 14, 1948. Class 39.
Booth, W. Stuart: *See*—
Adams, George W.
Borden Company, The: *See*—
Dairy Made Ice Cream Company, Inc.
Borden Import Corp., New York, N. Y. Men's hats. 509,228, May 3; Serial No. 519,798, published Dec. 14, 1948. Class 39.
Boss Manufacturing Company, The, Kewanee, Ill. Fabric gloves and mittens. 140,583, Mar. 22, 1921. Republished May 3. Class 39.
Bostonian Manufacturing Company: *See*—
Bostonian Manufacturing Co., Ltd.
Bostonian Manufacturing Co., Ltd., by Bostonian Manufacturing Company, Los Angeles, Calif. Young ladies' underwear. 341,916, Dec. 29, 1936. Republished May 3. Class 39.
Botany Mills, Inc., Passaic, N. J. Woolen piece goods. 509,285, May 3; Serial No. 532,118, published Dec. 21, 1948. Class 42.

Bowser, Inc., Fort Wayne, Ind. Measuring and dispensing apparatus. 509,199, May 3; Serial No. 479,328, published Jan. 11, 1949. Class 26.
Boyd Manufacturing Company, The, Birmingham, Ala. Astringents, astringent cerates, bleach creams, etc. 240,185, Mar. 20, 1928. Republished May 3. Class 6.
Brammer, H., & Company Limited, Leeds, England. Laminated driving belts. 509,205, May 3; Serial No. 501,561, published Jan. 18, 1949. Class 35.
Brauer Bros. Shoe Company, by Brauer Bros. Shoe Company (1941), St. Louis, Mo. Women's shoes. 194,129, Jan. 13, 1923. Republished May 3. Class 39.
Brauer Bros. Shoe Company (1941): *See*—
Brauer Bros. Shoe Company.
Bridgeport Chain Company, The, to The Bridgeport Chain and Manufacturing Company, Bridgeport, Conn. Sheet metal chain. 72,613, re-renewed Feb. 9, 1949. O. G. May 3. Class 13.
Bridgeport Chain Company, The, to The Bridgeport Chain and Manufacturing Company, Bridgeport, Conn. Wire chain. 73,186, re-renewed Mar. 30, 1949. O. G. May 3. Class 13.
Bridgeport Chain and Manufacturing Company, The: *See*—
Bridgeport Chain Company, The.
Brigadoon Hosiery Mills, New York, N. Y. Men's hosiery. 442,634, May 3; Serial No. 524,293, published Mar. 16, 1948. Class 39.
Briggs & Stratton Corporation, Milwaukee, Wis. Battery eliminators. 226,247, renewed Apr. 5, 1947. O. G. May 3. Class 21.
Brillion Iron Works, Inc., Brillion, Wis. Machines for soil preparation, pulverizing, and packing, etc. 509,491, May 3; Serial No. 532,210. Class 25.
Brown Shoe Company, Inc., St. Louis, Mo. Leather shoes. 509,286, May 3; Serial No. 532,272, published Dec. 21, 1948. Class 39.
Brush Development Company, The, Cleveland, Ohio. Piezoelectric crystals. 509,347, May 3; Serial No. 537,410, published Dec. 28, 1948. Class 21.
Brush Development Company, The, Cleveland, Ohio. Piezoelectric crystal elements. 509,506, May 3; Serial No. 540 378. Class 21.
Bryant, Thomas W.: *See*—
Pope, Fred W.
Bryn Mawr Fruit Growers Association, Bryn Mawr, Calif. Fresh citrus fruits. 427,004, Jan. 21, 1947. Republished May 3. Class 46.
Buchman, L., Co., Inc., Brooklyn, N. Y. Pillows and cushions. 257,615, renewed June 11, 1949. O. G. May 3. Class 32.
Buckeye Overall Company, The, Versailles, Ohio. Overalls, coveralls; dress, negligee and work shirts; coats for men, youths and boys; etc. 252,985, Feb. 19, 1929. Republished May 3. Class 39.
Buckeye Overall Company, The, Versailles, Ohio. Men's, youths', and boys' overalls, coats, vests, and pants, etc. 253,661. Mar. 5, 1929. Republished May 3. Class 39.
Burlington Mills Corporation, Greensboro, N. C. Piece goods of cotton, silk linen, and synthetic fibers. 509,446, May 3; Serial No. 553,449, published Jan. 4, 1949. Class 42.
Burlington Mills Corporation, Greensboro, N. C. Textile ribbons. 509,452–3, May 3; Serial No. 560,446–7, published Jan. 11, 1949. Class 42.
Burlington Mills Corporation, Greensboro, N. C. Piece goods. 509,529, May 3; Serial No. 552,835. Class 42.
Burlington Mills Corporation, Greensboro, N. C. Yarn. 509,530, May 3; Serial No. 552,837. Class 43.
Burroughs Adding Machine Company, Detroit, Mich. Slip covers for—namely, adding machines, listing machines, calculating machines, etc. 509,202, May 3; Serial No. 492,306, published Jan. 11, 1949. Class 26.
Butts Manufacturing Co., Los Angeles, Calif. Laundry appliances. 509,326, May 3; Serial No. 536,042, published Jan. 11, 1949. Class 24.
Buxton, Incorporated, Springfield, Mass. Cigarette cases. 509,406, May 3; Serial No. 544,051, published Jan. 11, 1949. Class 8.
Cadillac Stamp Company, Inc., Detroit, Mich. Special steel stamps, embossing and marking dies, etc. 242,771, June 5, 1928. Republished May 3. Class 23.
California Bleaching Water Co., Inc., San Francisco, to Lady's Choice Foods, Los Angeles, Calif. Washing fluid. 254,269, renewed Mar. 19, 1949. O. G. May 3. Class 4.
California Date Growers Association: *See*—
Deglet Noor Date Growers Association, The.
Cam Manufacturing Co.: *See*—
May, C. Arthur.
Cameo Curtains Inc., New York, N. Y. Window curtains. 509,239–40, May 3; Serial No. 524,683–4, published Jan. 11, 1949. Class 42.
Cameo Fabrics Inc., New York, N. Y. Woven textile fabrics. 509,327, May 3; Serial No. 536,047, published Jan. 4, 1949. Class 42.
Camillus Cutlery Company, New York, N. Y. Plastic handles for cutlery. 442,612, May 3; Serial No. 513,925, published Jan. 20, 1948. Class 23.
Carah-Carah Cosmetic Co.: *See*—
Seric, Ivan.
Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Fillers for street pavements, etc. 90,965, Apr. 8, 1913. Republished May 3. Class 12.
Cargair, Inc., Los Angeles, Calif. Power operated lift trucks, cargo loaders, roller conveyors, etc. 442,583, May 3; Serial No. 485,192, published Jan. 11, 1949. Class 23.
Carter Brothers, Incorporated, Chattanooga, Tenn. Bedspreads and draperies. 509,426, May 3; Serial No. 546,820, published Jan. 4, 1949. Class 42.
Caruso Foods, Inc.: *See*—
Atlantic Macaroni Co., The.
Cascade Frozen Foods, Inc., Burlington, Wash. Frozen peas. 509,464, May 3; Serial No. 507,370. Class 46.
Celanese Corporation of America, New York, N. Y. Fabrics made wholly or partially of cellulose derivatives. 259,626–7, renewed Aug. 6, 1949. O. G. May 3. Class 42.
Centennial Flouring Mills Company, Seattle, Wash. Enter form weed killer. 509,528, May 3; Serial No. 552,117. Class 6.
Central Soya Company, Inc., Fort Wayne, Ind. Stock and poultry feeds. 323,074, Apr. 2, 1935. Republished May 3. Class 46.
Central Soya Company, Inc., Fort Wayne, Ind. Stock food. 323,726, Apr. 30, 1935. Republished May 3. Class 46.
Central Soya Company, Inc., Fort Wayne, Ind. Soybean oil meal and soybean flakes. 365,617, Mar. 14, 1939. Republished May 3. Class 46.
Central Soya Company, Inc., Fort Wayne, Ind. Dog food. 392,990, Jan. 20, 1942. Republished May 3. Class 46.
Champagne Vintners: *See*—
Renault, L. N., & Sons Inc.
Chance, A. B., Company, Centralia, Mo. Earth anchors, guy rods, guy fixtures, etc. 509,333, May 3; Serial No. 536,235, published Jan. 18, 1949. Class 13.
Chapel Products Company, The, Hartford, Conn. Ball point pens. 509,490, May 3; Serial No. 526,702. Class 37.
Charmette Fabrics Company, Inc., New York, N. Y. Piece goods. 509,277, May 3; Serial No. 531,090, published Dec. 21, 1948. Class 42.
Chase Candy Company, St. Louis, Mo., assignee of Clinton Industries, Inc. Candy. 500,204, May 3; Serial No. 540,586, published Jan. 11, 1949. Class 46.
Chase & Chase, Jacksonville, by Chase Investment Company, Sanford, Fla. Fresh citrus fruits. 152,709, Mar. 7, 1922. Republished May 3. Class 46.
Chase & Company, Jacksonville, by Chase & Company, Sanford, Fla. Oranges, lemons, grapefruit, etc. 83,223, Aug. 29, 1911. Republished May 3. Class 46.
Chase & Company, Sanford, Fla. Citrus fruits and fresh fruits and vegetables. 109,820, Apr. 18, 1916. Republished May 3. Class 46.
Chase & Co., Sanford, Fla. Preserved, canned, and bottled fruits, canned vegetables. 179,070, Feb. 5, 1924. Republished May 3. Class 46.
Chase & Co., Sanford, Fla. Non-alcoholic meatless fruit juices. 182,405, Apr. 8, 1924. Republished May 3. Class 45.
Chase & Company, Sanford, Fla. Fresh citrus fruits and fresh vegetables. 266,396, Jan. 14, 1930. Republished May 3. Class 46.
Chase & Co., Sanford, Fla. Fertilizers. 299,435, Dec. 6, 1932. Republished May 3. Class 10.
Chase & Co., Sanford, Fla. Insecticides. 299,770, Dec. 20, 1932. Republished May 3. Class 6.
Chase & Company, Sanford, Fla. Fertilizers. 348,803, Aug. 10, 1937. Republished May 3. Class 10.
Chase & Company Sanford, Fla. Celery. 368,713, June 27, 1939. Republished May 3. Class 46.
Chase & Company, Sanford, Fla. Celery. 380,457, Aug. 20, 1940. Republished May 3. Class 46.
Chase Investment Company: *See*—
Chase & Chase.
Chase Investment Company, Sanford, Fla. Fresh citrus fruits. 306,361, Sept. 19, 1933. Republished May 3. Class 46.
Chemical Foundation, Incorporated, The: *See*—
Vereinigte Chininfabriken, Zimmer & Co., Gesellschaft mit Beschränkter Haftung.
Chi-Namel Paint & Varnish Co., The: *See*—
Minnesota Linseed Oil Paint Company.
Chicago Carton Company, Chicago, Ill. Boxes. 509,253, May 3; Serial No. 528,012, published Jan. 18, 1949. Class 2.
Chicago Daily News, Inc., The, Chicago, Ill. Newspapers. 248,551, Oct. 23, 1928. Republished May 3. Class 38.
Chicago Kahn Bros.: *See*—
Shane, C. B., Corporation.
Chicago Rubber Clothing Company, by Rainfair, Inc., Racine, Wis. Raincoats. 875,271, Feb. 13, 1940. Republished May 3. Class 39.
Chicago Smoked Fish Co., Chicago, Ill. Smoked fish and canned fish. 357,901, June 21, 1938. Republished May 3. Class 46.
Chicago Smoked Fish Co., Chicago, Ill. Smoked fish, pickled fish, salted fish, and canned fish. 361,509, Oct. 25, 1938. Republished May 3. Class 46.
Church & Dwight Co., Inc., New York, N. Y. Sal soda. 257,022, renewed May 28, 1949. O. G. May 3. Class 6.
Cinch Products, Inc.: *See*—
Red-ee Foods, Inc.

Clapp, Otis, & Son, Inc., Boston, Mass. Hair dressing, shampoo, hand lotion, smelling salts, etc. 430,887, July 1, 1947. Republished May 3. Class 6.

Clark Equipment Company, Buchanan, Mich. Power operated industrial material handling trucks. 509,255, May 3; Serial No. 529,261, published Jan. 4, 1949. Class 23.

Clay-Adams Company, Inc., New York, N. Y. Microscope electric light source. 509,237, May 3; Serial No. 523,023, published Jan. 11, 1949. Class 26.

Clinton Industries, Inc.: *See*—
Chase Candy Company.

Cohen, Jack: *See*—
Townsend, E. M., & Co.

Cohen, Saul, doing business as Raynard Optical Co., Brooklyn, assignor to S. Cohen and L. F. Stutland, doing business as Raynard Optical Company, New York, N. Y. Optical goods. 509,348, May 3; Serial No. 537,424, published Jan. 11, 1949. Class 26.

Cohn-Hall-Marx Co., New York, N. Y. Cotton and cotton rayon fabrics. 253,248, renewed Feb. 26, 1949. O. G. May 3. Class 42.

Cohn & Rosenberger, Inc., by Coro, Inc., New York, N. Y. Finger rings, necklaces, bracelets, etc. 268,553, Mar. 18, 1930. Republished May 3. Classes 2, 3, 8, and 28.

Coleman Company, Inc., The: *See*—
Coleman Lamp and Stove Company, The.

Coleman Lamp and Stove Company, The, by The Coleman Company, Inc., Wichita, Kans. Fluid burning gravity floor furnaces. 388,544, July 1, 1941. Republished May 3. Class 34.

Collins, Carr, Jr., doing business as Big Top Beverages, assignor to Big Top Beverages Inc., Dallas, Tex. Soft drinks and concentrates. 509,811, May 3; Serial No. 534,748, published Jan. 4, 1949. Class 45.

Colonial Fabrics, Inc.: *See*—
Marshall Field & Company.

Columbus Dental Manufacturing Co., The, Columbus, Ohio. Artificial teeth, tooth facings, and tooth backings. 244,109, July 10, 1928. Republished May 3. Class 44.

Columbus Manufacturing Co., Columbus, Ga. Cotton sheetings. 509,400, May 3; Serial No. 542,993, published Jan. 4, 1949. Class 42.

Commander-Larabee Milling Company: *See*—
Larabee Flour Mills Company.

Con-Ferro Paint & Varnish Company, St. Louis, Mo., by F. W. Woolworth Co., New York, N. Y. Paint enamels, varnishes, and varnish stains. 344,751, Apr. 6, 1937. Republished May 3. Class 16.

Consolidated Materials Company, Duluth, Minn. Salt for feeding livestock. 509,315, May 3; Serial No. 535,222, published Jan. 4, 1949. Class 46.

Continental Candy Company, New Hyde Park, N. Y. Candy. 442,630, May 3; Serial No. 522,921, published Feb. 8, 1949. Class 46.

Continental Distilling Corporation, Philadelphia, Pa. Distilled potable alcoholic beverage. 509,381, May 3; Serial No. 540,781, published Jan. 25, 1949. Class 49.

Continental Scale Corporation, Chicago, Ill. Weighing scales. 509,280, May 3; Serial No. 532,567, published Dec. 28, 1948. Class 26.

Cook Baking Co., Freeport, Ill. Bread and rolls. 442,595, May 3; Serial No. 500,166, published Jan. 11, 1949. Class 46.

Cooper's, Incorporated, Kenosha, Wis. Men's and boys' underwear, undershirts, union suits, etc. 509,364, May 3; Serial No. 539,027, published Jan. 11, 1949. Class 39.

Corn Products Refining Company, New York, N. Y. Starch for laundry and bathing purposes. 253,869, renewed Mar. 5, 1940. O. G. May 3. Class 6.

Corn Products Refining Company, New York, N. Y. Cornstarch. 250,750, renewed May 21, 1940. O. G. May 3. Class 46.

Coro, Inc.: *See*—
Cohn & Rosenberger, Inc.

Corporation Trust Company, The, New York, N. Y. Monthly publication. 105,210, Feb. 17, 1925. Republished May 3. Class 38.

Cory Corporation, Chicago, Ill. Electric stoves. 509,301, May 3; Serial No. 534,091, published Jan. 4, 1949. Class 21.

Craddock-Terry Shoe Corporation, doing business as Witt's, Lynchburg, Va. Shoes. 509,222, May 3; Serial No. 516,962, published Jan. 11, 1949. Class 39.

Craig, Clayton B.: *See*—
Adams, George W.

Crane, Ralph H., Eugene, Oreg. Automatic electric water heaters. 509,343, May 3; Serial No. 537,017, published Dec. 21, 1948. Class 21.

Cream of Wheat Company, by Cream of Wheat Corporation, The, Minneapolis, Minn. Wheat breakfast food. 211,291, Apr. 6, 1926. Republished May 3. Class 46.

Cream of Wheat Corporation, The: *See*—
Cream of Wheat Company.

Cream of Wheat Corporation, The, Minneapolis, Minn. Wheat breakfast food. 374,805, Jan. 28, 1940. Republished May 3. Class 46.

Cream of Wheat Corporation, The, Minneapolis, Minn. Wheat breakfast food. 378,247, June 4, 1940. Republished May 3. Class 46.

Cream of Wheat Corporation, The, Minneapolis, Minn. Wheat breakfast food. 380,284, Aug. 20, 1940. Republished May 3. Class 46.

Cream of Wheat Corporation, The, Minneapolis, Minn. Wheat germ. 384,843, Feb. 4, 1941. Republished May 3. Class 46.

Crompton Company, West Warwick, R. I. Fabrics in the piece. 509,450, May 3; Serial No. 539,787, published Jan. 11, 1949. Class 42.

Crompton Company, West Warwick, R. I. Fabrics in the piece. 509,451, May 3; Serial No. 550,791, published Jan. 4, 1949. Class 42.

Crystal Springs Packing Company: *See*—
Spatz, Maurice S.

Cudahy Packing Company, The, Chicago, Ill., and South Omaha, Nebr., to The Cudahy Packing Company, Chicago, Ill. Sausage. 74,496, re-renewed July 13, 1940. O. G. May 3. Class 46.

Cummer Mfg. Co., Cadillac, to Owosso Manufacturing Co., Owosso, Mich. Crates. 74,125, re-renewed June 22, 1940. O. G. May 3. Class 2.

D W G Cigar Corporation: *See*—
Lewis, Frank P., Cigar Co.

Dairy Made Ice Cream Company, Inc., Paterson, N. J., to The Borden Company, New York, N. Y. Ice cream. 258,320, renewed July 2, 1940. O. G. May 3. Class 46.

Dampney Company of America, The, Boston, Mass. Protective paint coatings. 158,645, Sept. 12, 1922. Republished May 3. Class 16.

Dampney Company of America, The, Boston, Mass. Protective coatings. 216,030, Aug. 3, 1926. Republished May 3. Class 16.

Darling Valve & Manufacturing Company, Williamsport, Pa. Hydrants. 509,325, May 3; Serial No. 535,942, published Jan. 18, 1949. Class 18.

Dasco Import Co., Inc., by D. A. Schulte, Inc., New York, N. Y. Smoking pipes, cigar holders, cigarette holders, etc. 161,447, Nov. 14, 1922. Republished May 3. Class 8.

Dasco Products Co., Inc., by D. A. Schulte, Inc., New York, N. Y. After shaving lotion, lilac vegetal, antiseptic mouth wash, etc. 331,026, Dec. 24, 1935. Republished May 3. Class 6.

Dasco Products Co., Inc., by D. A. Schulte, Inc., New York, N. Y. Shaving cream and brushless shaving cream. 331,266, Dec. 31, 1935. Republished May 3. Class 4.

Daven Company, The, Newark, N. J. Control equipment for use in electrical communication service. 509,244, May 3; Serial No. 526,829, published Dec. 28, 1948. Class 21.

Davis, Charles T., to Davis & Geck, Inc., Brooklyn, N. Y. Sutures, ligatures, bandages, etc. 74,363, re-renewed July 6, 1949. O. G. May 3. Class 44.

Davis & Geck, Inc.: *See*—
Davis, Charles T.

Decker, Alfred & Cohn, Inc., now by change of name Society Brand Clothes, Inc., Chicago, Ill. Men's topcoats, suits, sport coats, slacks, shirts and robes. 442,641, May 3; Serial No. 489,717. Class 39.

Degas, Guy, Paris, France. Perfumes. 509,435, May 3; Serial No. 549,909, published Aug. 17, 1948. Class 6.

Degiet Noor Date Growers Association, The, to California Date Growers Association, Indio, Calif. Fresh dates. 251,290, renewed Jan. 1, 1949. O. G. May 3. Class 46.

Delco-Remy Corporation, Anderson, Ind., and Dayton, Ohio, to General Motors Corporation, Detroit, Mich. Storage batteries. 253,644, renewed Mar. 5, 1949. O. G. May 3. Class 21.

Delsam Co., The, Vineland, N. J. Kitchen implement. 509,532, May 3; Serial No. 556,077. Class 23.

Demuth, William, & Company: *See*—
BBB Company, Limited, The.

Denison Engineering Company, The, Columbus, Ohio. Hydraulic pumps, hydraulic presses, hydraulic kiln car propellers, etc. 396,777, Aug. 4, 1942. Republished May 3. Class 23.

Denney, John L., Fresno, Calif. Medical preparation. 356,354, Apr. 26, 1938. Republished May 3. Class 6.

Des Moines Glove & Mfg. Company, Inc., Des Moines, Iowa. Leather gloves, leather, kid, lamb, and cape dress gloves, leather work gloves and baseball mitts. 162,060, Dec. 5, 1922. Republished May 3. Classes 22 and 39.

Devere Company, Racine, Wis. Laundry machinery and equipment. 509,234, May 3; Serial No. 521,120, published Jan. 4, 1949. Class 24.

Dill Company, The, Norristown, Pa. Insecticide in an oil base. 509,523, May 3; Serial No. 549,789. Class 6.

Dill Manufacturing Company, The, Cleveland, Ohio. Food handling and serving tools in the nature of tongs. 509,287, May 3; Serial No. 532,388, published Jan. 11, 1949. Class 23.

Dishman, Roy, doing business as Sho-All Company, Paducah, Ky. Display racks or fixtures for displaying neckties. 509,427, May 3; Serial No. 547,106, published Jan. 11, 1949. Class 32.

Distillers Company Limited, The, Linden, N. J., and New York, N. Y. Gin. 509,398, May 3; Serial No. 542,543, published Jan. 11, 1949. Class 49.

Diversey Corporation, The, Chicago, Ill. Paint stripper. 509,236, May 3; Serial No. 522,095, published Jan. 4, 1949. Class 16.

Diversey Corporation, The, Chicago, Ill. Can washer solution feeders and disinfectant sprayers. 509,284, May 3; Serial No. 531,779, published Dec. 28, 1948. Class 28.

Dixon-Bartlett Company, Baltimore, Md. Shoes. 509,359, May 3; Serial No. 538,730, published Dec. 14, 1948. Class 39.

Dodge Manufactoring Corporation, Mishawaka, Ind. Friction clutches. 509,245, May 3; Serial No. 526,991, published Jan. 4, 1949. Class 23.

Dollfus-Mieg & Cie. Société Anonyme, Mulhausen, Germany, by Dollfus-Mieg & Cie., Societe Anonyme, Mulhouse (Haut-Rhin) France. Cotton, linen, silk, etc., yarn, sewing cotton, thread, etc. 69,436, June 16, 1908. Republished May 3. Class 43.

Dollfus-Mieg & Cie. Société Anonyme, Mulhouse, Germany, by Dollfus-Mieg & Cie, Societe Anonyme, Mulhouse (Haut-Rhin) France. Yarns and threads. 70,360-1, Aug. 25, 1908. Republished May 3. Class 43.

Dollfus-Mieg & Cie. Société Anonyme, Mulhouse, Germany by Dollfus-Mieg & Cie. Societe Anonyme, Mulhouse (Haut-Rhin) France. Yarns and threads. 70,827, Oct. 6, 1908. Republished May 3. Class 43.

Drey, Simpson & Company Limited, South Reddish, Stockport, and Manchester, to Drey, Simpson & Company Limited, Stockport, England. Cloths and stuffs of wool, worsted, or hair. 251,800, renewed Jan. 15, 1940. O. G. May 3. Class 42.

Dry-Zero Corporation, by American Hair & Felt Company, Chicago, Ill. Sound-deadening and thermal insulation material. 266,870, Feb. 4, 1930. Republished May 3. Class 12.

Dunning, Carroll H., Los Angeles, Calif. Still film strip projector. 442,509, May 3; Serial No. 504,820, published Jan. 4, 1949. Class 20.

Du Pont, E. I., de Nemours and Company: *See*—
Dupont, E. I., de Nemours Powder Company.
Grasselli Chemical Company, The.
Newport Company, The.

Du Pont, E. I., de Nemours Powder Company, Hoboken, N. J., to E. I. du Pont de Nemours and Company, Wilmington, Del. High explosives. 74,128, re-renewed June 22, 1940. O. G. May 3. Class 9.

Dwinell, Charles L., Co., Kansas City, Mo. Electrical advertising signs. 509,516, May 3; Serial No. 545,971. Class 21.

Dynamatic Corporation, Kenosha, Wis. Electric motors. 509,248, May 3; Serial No. 527,434, published Jan. 18, 1949. Class 21.

Earnshaw Knitting Company, Newton, Mass., by The Vanta Company, Inc., Pawtucket, R. I. Infants' and children's garments. 314,721, July 3, 1934. Republished May 3. Class 39.

Earnshaw Knitting Company, Newton, Mass., now by change of name to The Vanta Company, by The Vanta Company, Inc., Pawtucket, R. I. Infants' and children's knitted garments. 415,549, Aug. 7, 1945. Republished May 3. Class 39.

Eastern Fixture Company, Roxbury, Mass. Electric lighting fixtures. 509,504, May 3; Serial No. 534,423, published Jan. 11, 1949. Class 21.

Eckenroth & Co., Inc., Brooklyn, N. Y. Empty record cabinets. 442,623, May 3; Serial No. 518,523, published Jan. 11, 1949. Class 32.

Eddy, Mary B. G.: *See*—
Adams, George W.

Efco Manufacturing, Inc., Hamilton, R. I. Wrenches and wrench parts. 442,626, May 3; Serial No. 520,669, published Dec. 28, 1948. Class 23.

Eisenlohr, Webster, Inc., by D. A. Schulte, Inc., New York, N. Y. Cigars. 332,408, Feb. 18, 1936. Republished May 3. Class 17.

Electric Heat Devices, Inc., Pittsburgh, Pa. Electrical heat devices. 509,474, May 3; Serial No. 515,165. Class 21.

Electric Machinery Mfg. Company, Minneapolis, Minn. Electrical machines and appacatus. 509,410, May 3; Serial No. 544,556, published Dec. 21, 1948. Class 21.

Electric Machinery Mfg. Company, Minneapolis, Minn. Electrical machines and apparatus. 509,411, May 3; Serial No. 544,557, published Dec. 21, 1948. Class 21.

Electro Manufacturing Corporation, Chicago, Ill. Fluorescent lamps, bulbs, fluorescent lighting fixtures and parts therefor, etc. 509,408, May 3; Serial No. 535,692. Class 21.

El Ranchito Citrus Association, Rivera, Calif. Fresh citrus fruits. 509,368, May 3; Serial No. 539,298, published Dec. 21, 1948. Class 46.

Empress Hand Bag Co., Inc., New York, N. Y. Ladies' handbags. 509,533, May 3; Serial No. 556,290. Class 3.

Enterprise Oil Company, Inc., Buffalo, N. Y., by Quaker State Oil Refining Corporation, Oil City, Pa. Lubricating oils. 331,286, Dec. 31, 1935. Republished May 3. Class 15.

Epstein, I., & Sons, Inc.: *See*—
Epstein-Minxter Co., Inc.

Epstein-Minxter Co., Inc., to I. Epstein & Sons, Inc., New-ark, N. J. Canned stringless beans, early June peas, sugar corn, etc. 256,566, renewed May 21, 1940. O. G. May 3. Class 46.

Equipment Digest Publishing Company, Cleveland, Ohio. Publication. 509,334, May 3; Serial No. 536,356, published Jan. 11, 1949. Class 38.

Escalante, Jose, & Co., Chicago, Ill. Cigars. 509,295, May 3; Serial No. 532,035, published Dec. 28, 1948. Class 17.

Escondido Co-operative Citrus Association, Escondido, Calif. Fresh citrus fruits. 259,065, renewed July 28, 1949. O. G. May 3. Class 46.

Etablissements Vitry-Vaucluse, Societe Responsabilite Limitee, Seine, France. Cognacs and armagnacs. 442,606, May 3; Serial No. 511,186, published Jan. 18, 1949. Class 49.

Ethington Mfg. Corp., Venice, Calif. Sound equipment. 509,407–8, May 3; Serial Nos. 544,339–40, published Jan. 4, 1949. Class 21.

Evans Case Co., North Attleboro, Mass. Pyrophoric lighters. 509,211, May 3; Serial No. 507,243, published Dec. 21, 1948. Class 8.

Evansville Paint & Varnish Co.: *See*—
Red Spot Paint & Varnish Co.

Fair, The, Chicago, Ill. Razor blades. 509,380, May 3; Serial No. 540,532, published Jan. 11, 1949. Class 23.

Fairfield Industries, Fairfield, Conn. Living room furniture, dining room furniture and bedroom furniture. 509,449, May 3; Serial No. 554,889, published Jan. 11, 1949. Class 32.

Farlo Industries, Inc., Cincinnati, Ohio. Edible cones for ice cream and other confections. 509,476, May 3; Serial No. 515,490. Class 46.

Fawcett Publications, Inc., Greenwich, Conn. Publication. 386,287, Apr. 1, 1941. Republished May 3. Class 38.

Fawcett Publications, Inc., Greenwich, Conn. Publication. 388,555, July 1, 1941. Republished May 3. Class 38.

Fawcett Publications, Inc., Greenwich, Conn. Monthly periodical. 390,644, Sept. 30, 1941. Republished May 3. Class 38.

Fawcett Publications, Inc., Grenwich, Conn. Periodical. 402,167, July 6, 1943. Republished May 3. Class 38.

Fawcett Publications, Inc., Greenwich, Conn. Comic strip and a magazine, or publication. 403,457, Sept. 28, 1943. Republished May 3. Class 38.

Feinberg, Archie S., doing business as Great National Air Conditioning Company, Dallas, Tex. Device adapted for manual setting and disposed at a point remote from an evaporative cooler, etc. 442,604, May 3; Serial No. 509,053, published Dec. 28, 1948. Class 26.

Feiorider Bros., Inc., New York, N. Y. Ladies' and misses' dresses. 509,524, May 3; Serial No. 550,592. Class 39.

Feminette Co.: *See*—
Fitzgerald, Gilbert F.

Fendrich, H., to H. Fendrich, Inc., Evansville, Ind. Cigars. 72,615, re-renewed Feb. 9, 1949. O. G. May 3. Class 17.

Fendrich, H., Inc.: *See*—
Fendrich, H.

Fernald, Josiah E.: *See*—
Adams, George W.

Ferette Co., The: *See*—
Johnson, Bertie J.

Filippone, B., & Co., by B. Filippone & Co., Passaic, N. J. Olive oil. 196,017, Mar. 31, 1925. Republished May 3. Class 46.

Filippone, B., & Co., by B. Filippone & Co., Passaic, N. J. Olive oil. 208,460, Feb. 2, 1926. Republished May 3. Class 46.

Filippone, B., & Co., by B. Filippone & Co., Passaic, N. J. Macaroni and cottonseed oil. 212,207, Apr. 27, 1926. Republished May 3. Class 46.

Filippone, B., & Co., by B. Filippone & Co., Passaic, N. J. Macaroni, canned peas, and tomatoes. 219,494, Oct. 19, 1926. Republished May 3. Class 46.

Filippone, B., & Co., by B. Filippone & Co., Passaic, N. J. Macaroni. 220,082, Nov. 2, 1926. Republished May 3. Class 46.

Filippone, B., & Co., by B. Filippone & Co., Passaic, N. J. Canned peas, canned tuna fish, canned tomatoes. 261,169, Feb. 2, 1932. Republished May 3. Class 46.

Filippone, B., & Co., by B. Filippone & Co., Passaic, N. J. Canned peas, canned tomatoes, and canned tuna fish, etc. 297,901, Oct. 4, 1932. Republished May 3. Class 46.

Filippone, B., & Co., by B. Filippone & Co., Passaic, N. J. Macaroni. 308,051–2, Dec. 26, 1933. Republished May 3. Class 46.

Filippone, B., & Co., assignor to B. Filippone & Co. Inc., by B. Filippone & Co., Passaic, N. J. Macaroni. 311,567, Mar. 27, 1934. Republished May 3. Class 46.

Filippone, B., & Co., assignor to B. Filippone & Co. Inc., by B. Filippone & Co., Passaic, N. J. Canned tuna fish, canned salmon, canned corn, etc. 316,842, Sept. 4, 1934. Republished May 3. Class 46.

Filippone, B., & Co. Inc.: *See*—
Filippone, B., & Co.

Filippone, B., & Co. Inc., Passaic, N. J. Macaroni. 339,987, Oct. 27, 1936. Republished May 3. Class 46.

Filippone, B., & Co., Inc., Passaic, N. J. Macaroni. 370,296, Aug. 22, 1939. Republished May 3. Class 46.

Firth Sterling Steel & Carbide Corporation: *See*—
Firth-Sterling Steel Company.

Firth-Sterling Steel Company, by Firth Sterling Steel & Carbide Corporation, McKeesport, Pa. Steel bars, forgings, blocks, etc. 243,330, June 19, 1928. Republished May 3. Class 14.

Fitger Brewing Company: *See*—
Fitger Company, The.

Fitger Company, The, now by change of name Fitger Brewing Company, by Fitger Brewing Company, Duluth, Minn. Malt beverages. 300,099–100, Jan. 2, 1934. Republished May 3. Class 48.

Fitzgerald, Gilbert F., doing business as Feminette Co., Milwaukee, Wis. Effervescent suppository. 255,349, renewed Apr. 23, 1949. O. G. May 3. Class 6.

Florian, Inc., Detroit, Mich. Lotion for use after shaving. 258,376, July 2, 1929. Republished May 3. Class 6.

Flothill Products, Incorporated, Stockton, Calif. Canned vegetables. 509,488, May 3; Serial No. 523,834. Class 46.

Floyd, Wm. H., doing business as Wm. H. Floyd & Co., Los Angeles and Corning, Calif. Chopped olive sandwich spread. 509,469, May 3; Serial No. 510,672. Class 46.

Floyd, Wm. H., & Co.: *See*—
Floyd, Wm. H.

Fox Products Co., New York, N. Y. Liquid floor polish. 442,633, May 3; Serial No. 524,061, published Dec. 28, 1948. Class 16.

France, Josiah, Limited, Honley, near Huddersfield, England. Textile piece goods. 509,441, May 3; Serial No. 552,531, published Jan. 11, 1949. Class 42.

Frankau, Adolph, & Co., Ltd., London, England, by D. A. Schulte, Inc., New York, N. Y. Tobacco-pipes, cigar, and cigarette tubes. 53,966, June 19, 1906. Republished May 3. Class 8.

Franklin Research Company, Philadelphia, Pa. Wax for floors. 509,405, May 3; Serial No. 543,806, published Dec. 28, 1948. Class 16.

Frank's Inc., St. Louis, Mo. Hosiery and underwear. 509,264 May 3; Serial No. 529,453, published Dec. 28, 1948. Class 39.

Freeman Shoe Corporation, Beloit, Wis. Men's shoes. 509,210, May 3; Serial No. 506,809, published Dec. 21, 1948. Class 39.

Friestedt, Arthur A., Chicago, Ill. Apparatus for determining the angular relation between the axes of vehicle wheels. 509,233, May 3; Serial No. 521,010, published Jan. 18, 1949. Class 26.

Fritzsche Brothers, Inc., New York, N. Y. Floral extractions, absolutes, concretes, etc. 434,065, Nov. 4, 1947. Republished May 3. Class 6.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics in the piece. 509,531, May 3; Serial No. 553,692. Class 42.

Fulton Construction Company, Seattle, Wash. Wood product used for flooring, fixture, and counter tops, etc. 509,519, May 3; Serial No. 549,143. Class 12.

Gaddy, Addie M.: *See*—
Gaddy, Maude C., administratrix.

Gaddy, Maude C., Norfolk, Va., administratrix of the estate of A. M. Gaddy. Pile remedy. 509,470, May 3; Serial No. 512,061. Class 6.

Gamble-Skogmo, Inc., Minneapolis, Minn. Work gloves, work shirts, denim jackets etc. 509,217, May 3; Serial No. 511,994, published Dec. 14, 1948. Class 39.

Geigy Company, Inc., New York, N. Y. Dyestuffs. 252,557, renewed Feb. 12, 1949. O. G. May 3. Class 6.

General Electric Company, Schenectady, N. Y. Electrical insulation. 255,500, renewed Apr. 23, 1949. O. G. May 3. Class 21.

General Hardware Mfg. Co. Inc., New York, N. Y. Drill gages, multi-use rule and gage, protractors, etc. 509,227, May 3; Serial No. 519,015, published Jan. 11, 1949. Class 26.

General Luminescent Corporation, Chicago, Ill. Glass tubing pre-coated with fluorescent chemicals. 442,598, May 3; Serial No. 503,362, published Dec. 21, 1948. Class 21.

General Mills, Inc.: *See*—
Purity Oats Company.
Washburn Crosby Company.

General Motors Corporation: *See*—
Delco-Remy Corporation.

Gerts and Cook, Inc., Los Angeles, Calif. Cloth window shades and Venetian blinds. 509,349, May 3; Serial No. 537,447, published Jan. 11, 1949. Class 32.

Gilster Milling Company, Steeleville and Chester, Ill. Soft wheat flour. 509,220, May 3; Serial No. 514,812, published Jan. 11, 1949. Class 46.

Givaudan-Delawanna, Inc., New York, N. Y. Organic odoriferous and flavor-imparting chemicals, etc. 509,413, May 3; Serial No. 544,816, published Jan. 11, 1949. Class 6.

Gledhill, Walter, & Sons, Limited, Holmfirth, near Huddersfield, England. Woven fabrics in the piece. 509,442, May 3; Serial No. 552,532, published Jan. 11, 1949. Class 42.

Glenwood Clothes, Ltd., Poughkeepsie, N. Y. Men's top coats, overcoats, suits, trousers. 509,497, May 3; Serial No. 535,520. Class 39.

Globe-Union Inc., Milwaukee, Wis. Variable resistance devices. 509,420, May 3; Serial No. 545,980, published Dec. 28, 1948. Class 21.

Goldberger, Leo J., doing business as L. Wohl & Co., by L. Wohl & Company, Inc., New York, N. Y. Children's and misses' dresses. 293,135, Apr. 12, 1932. Republished May 3. Class 39.

Goodall Rubber Company, Trenton, N. J. Boots. 509,356, May 3; Serial No. 538,120, published Dec. 14, 1948. Class 39.

Goode, Benjamin C., Oklahoma City, Okla. Sauce for meats, chicken and seafood. 509,515, May 3; Serial No. 545,737. Class 46.

Goodrich, B. F., Company, The, Akron, Ohio, and New York, N. Y. Impervious corrosion-resistant plastic linings. 442,606, May 3; Serial No. 512,232, published Jan. 11, 1949. Class 2.

Gordon-O'Neill Company, Jersey City, N. J. Whiskey. 509,323, May 3; Serial No. 535,700, published Jan. 18, 1949. Class 49.

Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 509,246, May 3; Serial No. 527,126, published Apr. 27, 1948. Class 39.

Gottlieb, David B., Inc., New York, N. Y. Ladies' and misses' dresses. 400,886, Apr. 6, 1943. Republished May 3. Class 39.

Gradias, Annis & Co., Inc., Tampa, Fla. Cigars. 509,440, May 3; Serial No. 552,310, published Jan. 4, 1949. Class 17.

Grady, E. C., Produce Company, Reinbeck, by John Morrell & Co., Ottumwa, Iowa. Butter, eggs, and dressed poultry. 153,730, Mar. 28, 1922. Republished May 3. Class 46.

Granberg Equipment, Inc., Oakland, Calif. Meters. 442,586, May 3; Serial No. 487,617, published Dec. 28, 1948. Class 26.

Grasselli Chemical Company, The, Cleveland, Ohio, to E. I. du Pont de Nemours and Company, Wilmington, Del. Cleaning compounds. 257,094, renewed May 26, 1949. O. G. May 3. Class 4.

Great National Air Conditioning Company: *See*—
Feinberg, Archie S.

Gretsch, Fred., Mfg. Co., The, Brooklyn, N. Y. Ocarinas. 248,799, Oct. 30, 1928. Republished May 3. Class 86.

Griess-Pfleger Tanning Co., The, Waukegan, Ill. Leather. 203,728, Sept. 22, 1925. Republished May 3. Class 1.

Griess-Pfleger Tanning Co., The, Waukegan, Ill. Leather. 221,903, Dec. 14, 1926. Republished May 3. Class 1.

Griess-Pfleger Tanning Co., The, Waukegan, Ill. Leather. 230,371, July 19, 1927. Republished May 3. Class 1.

Grosvenor, C. A., Shoe Company, Worcester, Mass. House slippers. 509,288, May 3; Serial No. 532,421, published Dec. 14, 1948. Class 39.

Grover, L. C., San Francisco, Calif. Canned vegetable juices. 436,203, Jan. 27, 1948. Republished May 3. Class 46.

Guilford Hosiery Mills, Inc., High Point, N. C. Hosiery. 509,366, May 3; Serial No. 539,154, published Dec. 21, 1948. Class 39.

Gutmann, Carl & Co., Inc., New York, N. Y. Misses', girls', and boys' polo shirts and sweaters. 442,602, May 3; Serial No. 506,238, published Jan. 4, 1949. Class 39.

Guy, Ralph L., doing business as The Rig Company, Glendale, Calif. Concentrated mixture of apple and grape juices. 509,379, May 3; Serial No. 540,403, published Jan. 18, 1949. Class 45.

Gwalter, Lucy I.: *See*—
Adams, George W.

Haloid Company, The, Rochester, N. Y. Photographic developing papers. 509,254, May 3; Serial No. 528,207, published Dec. 28, 1948. Class 26.

Handy Andy Community Stores, Inc., Miami, Fla. Canned peaches. 233,765, Oct. 11, 1927. Corrected. O. G. May 3. Class 46.

Hanes, P. H., Knitting Company, Winston-Salem, N. C. Knit and woven underwear, and children's sleepers. 509,345, May 3; Serial No. 537,188, published Jan. 11, 1949. Class 39.

Hark Company, The, Lockhart, Tex. Healing ointment or salve. 438,933, Mar. 2, 1948. Republished May 3. Class 6.

Harley-Davidson Motor Company, Milwaukee, Wis. Motorcycle generators and spare parts, etc. 509,282, May 3; Serial No. 531,586, published Jan. 11, 1949. Class 21.

Harlingen Canning Company, Harlingen, Tex. Canned vegetables, canned fruits, canned citrus fruit juices for food purposes, etc. 509,328, May 3; Serial No. 536,079, published Dec. 28, 1948. Class 46.

Harrison Hosiery Mills, Inc., Brighton, Mass. Ladies' hosiery. 509,298, May 3; Serial No. 533,739, published Jan. 11, 1949. Class 39.

Harry and David: *See*—
Bear Creek Orchards.

Hartwell Brothers, Memphis, Tenn. Ax, ads, pick, sledge, maul handles, etc. 176,653, Nov. 27, 1923. Republished May 3. Class 23.

Hartwell Brothers, Memphis, Tenn. Ax, ads, pick, sledge, maul handles, etc. 176,655, Nov. 27, 1923. Republished May 3. Class 23.

Hartwell Brothers, Memphis, Tenn. Ax, ads, pick handles, etc. 176,657, Nov. 27, 1923. Republished May 3. Class 23.

Hartwell Brothers, Memphis, Tenn. Ax, ads, pick, sledge, maul handles, etc. 176,663, Nov. 27, 1923. Republished May 3. Class 23.

Hartwell Brothers, Memphis, Tenn. Ax, ads, pick, sledge, maul, hammer and hatchet handles, etc. 176,675–8, Nov. 27, 1923. Republished May 3. Class 23.

Hartwell Brothers, Memphis, Tenn. Ax, ads, pick, sledge, maul, hammer and hatchet handles, etc. 179,647, Feb. 12, 1924. Republished May 3. Class 23.

Hartwell Brothers, Memphis, Tenn. Ax, ads, pick, sledge, maul, hammer and hatchet handles, etc. 182,848, May 6, 1924. Republished May 3. Class 23.

Hartwell Brothers, Memphis, Tenn. Axe heads. 240,278, Mar. 20, 1928. Republished May 3. Class 23.

Hartwell Brothers, Memphis, Tenn. Brakemen's clubs, rammer rods, and handles for axes, hatchets, etc. 240,683, Apr. 3, 1928. Republished May 3. Class 23.

Hartwell Brothers, Memphis, Tenn. Handles for tools. 309,040–1, Dec. 26, 1933. Republished May 3. Class 23.

Harvey Machine Co., Inc., Los Angeles, Calif. Bandstrapping and box tying equipment. 442,579, May 3; Serial No. 479,125, published Jan. 11, 1949. Class 23.

Harrisfeld's, Inc., Kansas City, Mo. Women's, misses', and children's dresses. 254,969, renewed Apr. 2, 1949. O. G. May 3. Class 39.

Haspel Brothers, Inc., New Orleans, La. Men's and boys' suits, coats, pants, etc. 509,377, May 3; Serial No. 540,070, published Jan. 11, 1949. Class 39.

Hawk & Buck Co., The, Fort Worth, Tex. Work clothing. 509,215, May 3; Serial No. 510,081, published Jan. 4, 1949. Class 39.

Haworth, Richard, and Company, Limited, Manchester, England. Cotton piece goods. 70,631, re-renewed Sept. 15, 1948. O. G. May 3. Class 42.

Heiman, Arthur S., Inc., New York, N. Y. Rayon piece goods. 509,226, May 3; Serial No. 518,675, published Jan. 4, 1949. Class 42.

Heitman, Charles E.: *See*—
Adams, George W.

Helwith, Alfred L., & Co., Inc., by Alfred L. Helwith Inc., New York, N. Y. Men's cotton shirtings in the piece, and cotton textile fabrics. 308,793, Dec. 19, 1933. Republished May 3. Class 42.

Helwith, Alfred L. & Co., Inc., by Alfred L. Helwith Inc., New York, N. Y. Cotton and rayon textile fabrics in the piece. 324,651, May 28, 1935. Republished May 3. Class 42.

Helwith, Alfred L., Inc.: *See*—
Helwith, Alfred L., & Co., Inc.

Hensen Glove Corporation, Milwaukee, Wis. Fabric gloves. 371,267, Sept. 19, 1939. Republished May 3. Class 39.

Herald Knitwear Co., Inc.: *See*—
Knitwear Mfg. Co., Inc.

Hercules Powder Company, Wilmington, Del. Periodical. 509,434, May 3; Serial No. 549,731, published Dec. 21, 1948. Class 38.

Hervey Associates, New York, N. Y. Closet accessories. 442,504, May 3; Serial No. 500,082, published Jan. 18, 1949. Class 2.

Hickernell, Ralph C.: *See*—
Kopper's Koppers Kraft Industries, Inc.

Highland Chemical Manufacturing Company: *See*—
Russell A. Hood.

Highland Exchange Association, Highland, by Krinard Packing Company, Riverside, Calif. Fresh citrus fruits. 337,899 Aug. 25, 1936. Republished May 3. Class 46.

Hillyard Chemical Company, St. Joseph, Mo. Deodorant. 245,894, Aug. 28, 1928. Republished May 3. Class 6.

Hillyard Chemical Company, St. Joseph, Mo. Floor polish and floor dressings. 246,538, Sept. 11, 1928. Republished May 3. Class 16.

Hock, Phil. J., doing business as Hock, Phil. J., & Co., Cincinnati, Ohio. Canned mock turtle soup. 222,004. Dec. 21, 1926. Republished May 3. Class 46.

Hock, Phil. J., & Co.: *See*—
Hock, Phil. J.

Hollandsche Cacao-En Chocoladefabrieken Bensdorp & Co., by Bensdorp N. V., Amsterdam, Netherlands. Cocoa. 241,986. May 8, 1928. Republished May 3. Class 46.

Holmes, S. G., & Sons, Inc., Tulsa, Okla. Men's suits, coats, vests, etc. 509,412, May 3; Serial No. 544,633, published Dec. 14, 1948. Class 39.

Home Curtain Corp., Far Rockaway, N. Y. Narrow fabric with slits and slots therein for use in pleating draperies and curtains. 509,489, May 3; Serial No. 525,598. Class 40.

Hood, Russell A., doing business as Highland Chemical Manufacturing Company, Connellsville, Pa. Electrical insulating liquid coating compound. 509,465, May 3; Serial No. 508,044. Class 21.

House Beautiful Curtains, Inc., New York, N. Y. Window curtains, drapes, bedspreads, etc. 509,437–8, May 3; Serial Nos. 551,274–5, published Jan. 4, 1949. Class 42.

Howe, John E., Yuma, Ariz. Fresh vegetables. 509,483, May 3; Serial No. 519,129. Class 46.

Hower, Frank B., Buffalo, N. Y., by Quaker State Oil Refining Corporation, Oil City, Pa. Lubricating oils and grease. 50,466, Mar. 20, 1906. Republished May 3. Class 15.

Hudson, J. L., Company, The, Detroit, Mich. Outer clothing for men, young men, and boys. 256,132–3, renewed May 7, 1949. O. G. May 3. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Outer clothing. 256,182, renewed May 7, 1949. O. G. May 3. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Hosiery. 256,183, renewed May 7, 1949. O. G. May 3. Class 39.

Huggins, Harley E., Vancouver, Wash. Curtain rod brackets. 438,461, Apr. 20, 1948. Republished May 3. Class 13.

Hughes, K., doing business as Hughes Manufacturing Company, Tyler, Tex. Coffee cream dispensers. 509,414, May 3; Serial No. 544,866, published Jan. 11, 1949. Class 26.

Hughes Manufacturing Company: *See*—
Hughes, K.

Hume, G. W., Company, Turlock, Calif. Canned fruits and canned vegetables. 509,329, May 3; Serial No. 536,088, published Dec. 28, 1948. Class 46.

Hunt Foods, Inc., Los Angeles, Calif. Canned fruits and vegetables. 426,367, Dec. 24, 1946. Republished May 3. Class 46.

Husseo Shoe Company, Honesdale, Pa. Shoes, slippers, and moccasins. 442,600, May 3; Serial No. 505,584, published June 1, 1948. Class 39.

Illinois Canning Co., The, Hoopeston, Ill. Canned vegetables, canned pork and beans, and canned tomato juice. 509,337, May 3; Serial No. 536,090, published Dec. 28, 1948. Class 46.

Illinois Electric Porcelain Company, Macomb, Ill. Electric insulators. 509,294, May 3; Serial No. 532,934, published Dec. 21, 1948. Class 21.

Imperial Sugar Company, Sugar Land, Tex. Sugar. 119,080, Oct. 23, 1917. Republished May 3. Class 46.

Imperial Sugar Company, Sugar Land, Tex. Sugar. 123,601, Nov. 19, 1918. Republished May 3. Class 46.

Imperial Sugar Company, Sugar Land, Tex. Sugar. 205,637, Nov. 10, 1925. Republished May 3. Class 46.

Imperial Sugar Company, Sugar Land, Tex. Cane sugar. 266,777, Jan. 7, 1930. Republished May 3. Class 46.

Ingalls Shipbuilding Corporation, The, doing business as Longfellow House, Birmingham, Ala., and Pascagoula, Miss. Coffee, pecans in the shell, shelled and spiced pecans, etc. 509,495, May 3; Serial No. 534,783. Class 46.

Innes Henderson and Company Limited, Hawick, Scotland. Knitted underwear, jackets, sweaters, etc. 509,216, May 3; Serial No. 511,613, published Dec. 14, 1948. Class 39.

Interchemical Corporation, New York, N. Y. Pigment dispersions, pigments, fatting agents for the paint trade, etc. 442,618, May 3; Serial No. 516,897, published Dec. 28, 1948. Class 16.

International Braid Company, Providence, R. I., to International Braid Corp., Fall River, Mass. Shoe lacings, corset lackings, underwear lacings, etc. 252,016, renewed Jan. 22, 1949. O. G. May 3. Class 40.

International Braid Corp.: *See*—
International Braid Company.

International Shoe Company, St. Louis, Mo. Boots and shoes. 257,795, renewed June 18, 1949. O. G. May 3. Class 39.

Iron Fireman Manufacturing Company: *See*—
Portland Wire & Iron Works.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 268,300, Mar. 11, 1930. Republished May 3. Class 34.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 275,093, Sept. 16, 1930. Republished May 3. Class 34.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 277,426, Nov. 11, 1930. Republished May 3. Class 34.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 290,844, Jan. 19, 1932. Republished May 3. Class 34.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 297,261, Sept. 6, 1932. Republished May 3. Class 34.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 325,237, June 18, 1935. Republished May 3. Class 34.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 346,069, May 18, 1937. Republished May 3. Class 34.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 349,342, Aug. 24, 1937. Republished May 3. Class 34.

Iron Fireman Manufacturing Company, Portland, Oreg. Thermostatically-controlled electric switches. 376,397, Feb. 20, 1940. Republished May 3. Class 26.

Iron Fireman Manufacturing Company, Portland, Oreg. Coal and oil burning furnaces, air conditioners, etc. 381,423, Sept. 24, 1940. Republished May 3. Class 34.

Iron Fireman Manufacturing Company, Portland, Oreg. House organ. 433,002, Sept. 23, 1947. Republished May 3. Class 38.

Irving, John, Shoe Corporation, Boston, Mass. Hosiery. 384,490, Jan. 21, 1941. Republished May 3. Class 39.

Ivanhoe Mutual Orange Association, Ivanhoe, Calif. Fresh citrus fruits. 509,375, May 3; Serial No. 539,958, published Jan. 11, 1949. Class 46.

Ives, W. A., Manufacturing Co., The, Wallingford, Conn., to The Mephisto Tool Co., Inc., Hudson, N. Y. Augers, auger bits, machine bits, etc. 73,964, re-renewed June 1, 1949. O. G. May 3. Class 23.

Jacobs, Jack, New York, N. Y. Children's blouses. 509,401, May 3; Serial No. 543,456, published Jan. 11, 1949. Class 39.

James and Buckley, Dos Palos, Calif. Fresh melons and fresh vegetables. 509,510, May 3; Serial No. 542,030. Class 46.

Jandron, Francis L.: *See*—
Adams, George W.

Joanna Western Mills Company, Chicago, Ill. Tag cloth. 509,338, May 3; Serial No. 536,807, published Dec. 21, 1948. Class 42.

Joanna Western Mills Company, Chicago, Ill. Label cloth. 509,339–40, May 3; Serial Nos. 536,812–13, published Dec. 21, 1948. Class 42.

Joanna Western Mills Company, Chicago, Ill. Label cloth. 509,341, May 3; Serial No. 536,815, published Dec. 21, 1948. Class 42.

Joanna Western Mills Company, Chicago, Ill. Coated and waterproofed cloth. 509,342, May 3; Serial No. 536,816, published Dec. 21, 1948. Class 42.

Johnson, Bertie J., doing business as The Fesette Co., San Luis Obispo, Calif. Ladies' hats. 509,493, May 3; Serial No. 534,636. Class 39.

Johnson, Stephens, and Shinkle Shoe Company, St. Louis, Mo. Shoes of leather. 509,247, May 3; Serial No. 527,386, published Dec. 21, 1948. Class 39.

Jordeau, Jean, Inc., South Orange, N. J. Razors. 248,051, Oct. 16, 1928. Republished May 3. Class 23.

Joseph & Feiss Company, The, Cleveland, Ohio. Men's suits. 327,309, Aug. 20, 1935. Republished May 3. Class 39.

Joy Manufacturing Company: *See*—
La-Del Conveyor & Manufacturing Company.

Kahn Tailoring Company, Indianapolis, Ind. Men's clothes. 509,501, May 3; Serial No. 537,196. Class 39.

Kalart Company Inc., The, Stamford, Conn. Shipping boxes and cartons, shipping bags, etc. 442,624, May 3; Serial No. 519,957, published Jan. 25, 1949. Class 2.

Kandel, Jacob, doing business as Kandel Shoe Co., New York, N. Y. Women's and children's shoes. 442,617, May 3; Serial No. 516,840, published Dec. 21, 1948. Class 39.

Kandel Shoe Co.: *See*—
Kandel, Jacob.

Kansas City White Goods Manufacturing Company: *See*—
Shower, William.

Kats Drug Company, Kansas City, Mo. Motor lubricating oil and gun grease. 317,301, Sept. 18, 1934. Republished May 3. Class 15.

Kats Drug Company, Kansas City, Mo. Razors and razor blades. 328,150, Sept. 17, 1935. Republished May 3. Class 23.

Kats Drug Company, Kansas City, Mo. Grass seed. 347,145, June 15, 1937. Republished May 3. Class 1.

Kearney, James R., Corporation, St. Louis, Mo. Fuse switches. 509,805, May 3; Serial No. 534,451, published Jan. 11, 1949. Class 21.

Kearney, James R., Corporation, St. Louis, Mo. Fuses and fuse links. 509,852, May 3; Serial No. 537,704, published Jan. 11, 1949. Class 21.

Keico Company, San Diego, Calif. Algin-emulsifier composition. 438,544, Apr. 27, 1948. Republished May 3. Class 46.

Kelly-Springfield Tire Company, The, Cumberland, Md. Tires. 509,445, May 3; Serial No. 553,374, published Jan. 18, 1949. Class 35.

Kessler, A., & Sons, Tell City, Ind. Pretzels. 252,793, renewed Feb. 12, 1949. O. G. May 3. Class 46.

Keystone View Company, Meadville, Pa. Apparatus for the testing and training of vision. 442,622, May 3; Serial No. 517,853, published Dec. 28, 1948. Class 26.

Kirsten Pipe Company, Seattle, Wash. Tobacco pipes and cigarette holders. 509,209, May 3; Serial No. 506,108, published Jan. 4, 1949. Class 8.

Kling-Tite Paint Products Company, Chicago, Ill. Paint in liquid and paste form. 509,372, May 3; Serial No. 539,715, published Dec. 28, 1948. Class 16.

Knitwear Mfg. Co., Inc., Brooklyn, by Herald Knitwear Co., Inc., New York, N. Y. Knitted fabric. 331,387, Jan. 7, 1936. Republished May 3. Class 42.

Kohnstamm, H., & Co., Inc., New York, N. Y. Flavoring extracts for confectionery. 509,487, May 3; Serial No. 523,142. Class 46.

Kolpin, Edward A., Jr., Santa Monica, Calif. Smoking tobacco. 509,482, May 3; Serial No. 540,449, published Dec. 28, 1948. Class 17.

Ko-Lube Co.: *See*—
Opdyke, Charles J.

Kopper Kraft Industries, Inc., Meadville, Pa., assignee of R. C. Hickernell. Hand hammered nonprecious metal ware. 509,481, May 3; Serial No. 517,364. Class 13.

Kozak: *See*—
Walker, Edward C.

Kozak, Inc.: *See*—
Walker, Edward C.

Kraft Foods Company, Chicago, Ill. Feed supplement. 438,521, Apr. 27, 1948. Republished May 3. Class 46.

Kresge Department Store Corporation, by Kresge-Newark, Inc., Newark, N. J. Sheets and pillowcases. 280,155, Feb. 10, 1931. Republished May 3. Class 42.

Kresge Department Store Corporation, by Kresge-Newark, Inc., Newark, N. J. Women's, misses', and children's stockings, dresses, shoes, etc. 293,176, Apr. 12, 1932. Republished May 3. Class 39.

Kresge Department Store Corporation, by Kresge-Newark, Inc., Newark, N. J. Dress shields, combs, and hair pins, etc. 294,294, May 24, 1932. Republished May 3. Class 40.

Kresge-Newark, Inc.: *See*—
Kresge Department Store Corporation.

Krinard Packing Company: *See*—
Highland Exchange Association.

Kroydon Company, The, Maplewood, N. J. Golf shafts. 258,262, renewed July 2, 1949. O. G. May 3. Class 22.

Kuhn, Blum & Co., Inc., Philadelphia, Pa. Window curtains, bedspreads, pillow shams, etc. 509,415, May 3; Serial No. 544,883, published Jan. 4, 1949. Class 42.

Kurfees, J. F., Paint Company, Louisville, Ky. Paints in paste form. 509,319, May 3; Serial No. 535,564, published Jan. 4, 1949. Class 16.

La-Del Conveyor & Manufacturing Company, New Philadelphia, Ohio, now by merger Joy Manufacturing Company, by Joy Manufacturing Company, Pittsburgh, Pa. Underground mining conveyors of all kinds, etc. 437,419, Mar. 23, 1948. Republished May 3. Class 23.

Lady's Choice Foods: *See*—
California Bleaching Water Co., Inc.

La Habra Citrus Ass'n.: *See*—
La Habra Citrus Association, The.

La Habra Citrus Association, The, also doing business as La Habra Citrus Ass'n., La Habra, Calif. Fresh citrus fruits. 509,374, May 3; Serial No. 539,882, published Jan. 4, 1949. Class 46.

Langhaus, Morris, doing business as Sun-Ray Hair Preparations Co., New York, N. Y. Hair colors, hair tonics, lotions, etc. 441,038, Dec. 21, 1948. Corrected. O. G. May 3. Class 6.

Larabee Flour Mills Company, doing business as Aetna Mills, Kansas City, Mo., and Wellington, Kans., by Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 240,585, Apr. 3, 1928. Republished May 3. Class 46.

Larus & Brother Company, Inc., Richmond, Va. Tobacco and tobacco products. 509,436, May 3; Serial No. 530,331, published Dec. 28, 1948. Class 17.

Latousek, Bernard L., doing business as PenRay Company, Los Angeles, Calif. Fog lens. 442,638, May 3; Serial No. 525,607, published Jan. 11, 1949. Class 21.

Lawrence, W. W., & Company, Pittsburgh, Pa. Varnishes. 509,360, May 3; Serial No. 538,775, published Dec. 28, 1948. Class 16.

Lawrence, W. W., & Company, Pittsburgh, Pa. Ready-mixed paints and paint enamels. 509,361, May 3; Serial No. 538,777, published Jan. 4, 1949. Class 16.

Leeds, Herbert R., & Co., Inc.: *See*—
Manchester Worsted Mills.

Legg, A. C., Packing Company, Inc., Birmingham, Ala. Seasoning for meats or other foods. 249,173, Nov. 6, 1928. Republished May 3. Class 46.

Lehmann Machine Company, St. Louis, Mo. Metal working lathes. 509,511, May 3; Serial No. 542,600. Class 23.

Lelong, Lucien, Inc., Chicago, Ill. Perfume. 348,540, Feb. 23, 1937. Republished May 3. Class 6.

Lelong, Lucien, Inc., Chicago, Ill. Perfume. 509,365, May 3; Serial No. 530,064, published July 6, 1948. Class 6.

Lemon Cove Association, Lemon Cove, Calif. Fresh citrus fruits. 509,504, May 3; Serial No. 539,182. Class 46.

Lerio Corporation, The, Mobile, Ala. Reciprocating piston type water well pumps. 509,275, May 3; Serial No. 530,943, published Jan. 11, 1949. Class 23.

Lewis, Eugene R., Omaha, Nebr. Mechanically grooved phonograph records. 509,296, May 3; Serial No. 533,035, published Jan. 11, 1949. Class 36.

Lewis, Frank P., Cigar Co., Peoria, Ill., to D W G Cigar Corporation, Detroit, Mich. Cigars. 254,928, renewed Apr. 2, 1949. O. G. May 3. Class 17.

Libson Shops Management Corporation, St. Louis, Mo. Hosiery. 509,309, May 3; Serial No. 534,643, published Jan. 11, 1949. Class 39.

Lime Cola Company, Inc., Montgomery, Ala. Non-alcoholic, maltless beverages. 509,259, May 3; Serial No. 528,871, published Jan. 11, 1949. Class 45.

Lincoln Engineering Company, St. Louis, Mo. Stationary lubricant-dispensing apparatus. 509,207–8, May 3; Serial Nos. 505,505–6, published Jan. 4, 1949. Class 23.

Lindsay Citrus Growers Association: *See*—
Lindsay Farm Bureau Fruit Assn.

Lindsay Citrus Growers Association, Lindsay, Calif. Fresh citrus fruits. 323,351, Apr. 9, 1935. Republished May 3. Class 46.

Lindsay Farm Bureau Fruit Assn., by Citrus Growers Association, Lindsay, Calif. Fresh citrus fruits. 301,721, Mar. 14, 1933. Republished May 3. Class 46.

Lindsay Farm Bureau Fruit Assn., by Lindsay Citrus Growers Association, Lindsay, Calif. Fresh citrus fruits. 307,580, Oct. 31, 1933. Republished May 3. Class 46.

Littelfuse Incorporated, El Monte, Calif. Luminous plug lamps for electric outlets. 509,450, May 3; Serial No. 489,520. Class 21.

Lobl Manufacturing Company, The, Middleboro, Mass. Electric heating pads for therapeutic use. 509,472, May 3; Serial No. 513,322. Class 44.

Locke, Jim C., doing business as Jim C. Locke Company, Wharton, Tex. Wheat flour. 357,156, May 24, 1938. Republished May 3. Class 46.

Locke, Jim C., Company: *See*—
Locke, Jim C.

Lockwood Grader Corporation, Gering, Nebr. Potato grading machines. 509,480, May 3; Serial No. 516,426. Class 23.

Longfellow House: *See*—
Ingalls Shipbuilding Corporation, The.

Lorenz, Wallace J., Arlington, Calif. Brooms and mops. 509,492, May 3; Serial No. 533,232. Class 29.

Lorillard, P., Company, New York, N. Y. Cigars. 442,639, May 3; Serial No. 525,631, published Jan. 4, 1949. Class 17.

Lorillard, P., Company, New York, N. Y. Cigars. 509,358, May 3; Serial No. 538,553, published Jan. 11, 1949.

Loviner, William H., doing business as Mount Hamilton Winery, San Francisco, Calif., assignee of Biaceglia Bros. Wine Company. Wines. 509,221, May 3; Serial No. 515,292, published Jan. 11, 1949. Class 47.

Lubrizol Corporation, The: *See*—
Lubri-Zol Corporation, The.

Lubri-Zol Corporation, The, by The Lubrizol Corporation, Wickliffe, Ohio. Hydrocarbon oils, and chemically treated lubricating compositions. 331,823, Jan. 21, 1936. Republished May 3. Class 15.

Lubri-Zol Corporation, by The Lubrizol Corporation, Wickliffe, Ohio. Hydrocarbon fuels, and chemically treated lubricating compositions. 333,757, Apr. 7, 1936. Republished May 3. Class 15.

MacCarthy-Remond Co., New York, N. Y. Fabrics in the piece and lace fabrics in the piece. 509,514, May 3; Serial No. 545,270. Class 42.

Mackintosh, John, & Sons Ltd., Inc., Boston, Mass. Candy. 365,725, Mar. 14, 1939. Republished May 3. Class 46.

Magor Car Corporation, New York, N. Y. Shovels, scoops, and spades. 509,484, May 3; Serial No. 519,881. Class 23.

Manchester Narrow Fabrics Company, Manchester, N. H. Venetian blind tape. 509,512, May 3; Serial No. 544,172. Class 40.

Manchester Worsted Mills, Methuen, Mass., assignee of Herbert R. Leeds & Co., Inc. Worsted fabrics in the piece. 509,473, May 3; Serial No. 514,902. Class 42.

Manitowoc Cotton Goods Mfg. Co., Manitowoc, Wis. Button protector and/or like pad for use in laundering and dry cleaning and other machines. 509,390, May 3; Serial No. 541,852, published July 18, 1948. Class 24.

Mann Overall Company, Inc., El Paso, Tex. Overalls and western style pants. 509,324, May 3; Serial No. 535,725, published Jan. 11, 1949. Class 39.

Marathon Corporation: *See*—
Menasha Products Company, The.

Marcus Brothers Textile Corp., New York, N. Y. Textile fabrics in the piece. 509,460, May 3; Serial No. 495,486. Class 42

Maritime Milling Co., Inc., Buffalo, N. Y. Dairy feed and hog feed. 437,276, Mar. 9, 1948. Republished May 3. Class 46.

Marlboro Shirt Company, Inc., Baltimore, Md. Men's and boys' dress and sport shirts. 353,225, Dec. 28, 1937. Republished May 3. Class 39.

Marlboro Shirt Company, Inc., Baltimore, Md. Dress, sport, and negligee shirts, ensembles of outer shirts and neckties, etc. 384,162, Jan. 7, 1941. Republished May 3. Class 39.

Marlboro Shirt Company, Inc., Baltimore, Md. Men's and boys' dress and work shirts, dress and work pants, etc. 386,842, Apr. 22, 1941. Republished May 3. Class 39.

Marlboro Shirt Company, Inc., Baltimore, Md. Apparel for men, women, and children. 442,590, May 3; Serial No. 494,855, published Apr. 27, 1948. Class 39.

Marshall Field & Company, Birmingham, Ala., to Colonial Fabrics, Inc., New York, N. Y. Printed and dyed cotton piece goods. 73,722, re-renewed May 11, 1949. O. G. May 3. Class 42.

Marshall Field & Company, Chicago, Ill. Textile rugs. 509,430, May 3; Serial No. 548,750, published Dec. 21, 1948. Class 42.

May, C. Arthur, doing business as Cam Manufacturing Co., Lakewood, R. I. Holding devices. 442,580, May 3; Serial No. 482,995, published Jan. 4, 1949. Class 24.

McGlynn Hays Industries, Inc., Belleville, N. J. Textile machinery. 509,316, May 3; Serial No. 535,417, published Jan. 11, 1949. Class 23.

McKay Brothers, by McKay Maxlin Company, West Allis, Wis. Therapeutic liniment. 353,471, Jan. 11, 1938. Republished May 3. Class 6.

McKay Maxlin Company: *See*—
McKay Brothers.

McNish, Robert, and Company Limited, Glasgow, Scotland, Whiskey. 509,260, May 3; Serial No. 529,076, published Jan. 11, 1949. Class 49.

Mellor, W. L., Co., The: *See*—
Mellor, W. Laurence.

Mellor, W. Laurence, doing business as The W. L. Mellor Co., Kansas City, Mo. Cotton fabrics impregnated with a plastic water-proofing material. 509,431, May 3; Serial No. 549,163, published Dec. 28, 1948. Class 42.

Menasha Products Company, The, Menasha, by Marathon Corporation, Rothschild, Wis. Waxed and unwaxed paper, paper tablecloths, paper napkins, etc. 291,790, Feb. 23, 1932. Republished May 3. Class 37.

Menasha Products Company, The, Menasha, by Marathon Corporation, Rothschild, Wis. Metal holders and dispensers, receptacles. 293,887, Apr. 19, 1932. Republished May 3. Class 2.

Mephisto Tool Co., Inc., The: *See*—
Ives, W. A., Manufacturing Co., The.

Merco Centrifugal Co., San Francisco, Calif. Industrial centrifuges. 509,271–2, May 3; Serial No. 530,541, published Jan. 11, 1949. Class 23.

Metz, H. A., Laboratories, Inc., to Winthrop-Stearns Inc., New York, N. Y. Ampules. 256,605, renewed May 21, 1949. O. G. May 3. Class 44.

Michaelis, Curt, Jersey City, N. J. Shortening. 367,375, May 16, 1939. Republished May 3. Class 46.

Michaelis, Curt, New York, N. Y. Shortening. 417,943, Nov. 20, 1945. Republished May 3. Class 46.

Micromatic Hone Corporation, Detroit, Mich. Fluid actuated size control mechanism applied to a honing machine. 509,256, May 3; Serial No. 528,354, published Jan. 11, 1949. Class 23.

Midland Cooperative Dairy Association, New York, N. Y., and Shawano, Wis. Evaporated milk. 509,478, May 3; Serial No. 516,143. Class 46.

Midwest Radio Corporation, Cincinnati, Ohio. Radio receiving sets, combination radio receiving sets and phonographs, radio chassis, etc. 509,318, May 3; Serial No. 535,063, published Jan. 18, 1949. Class 21.

Mi Favorita Cigar Co., Inc., New York, N. Y., and Key West, Fla., by D. A. Schulte, Inc., New York, N. Y. Cigars and little cigars. 109,022, Mar. 14, 1916. Republished May 3. Class 17.

Miles Shoes Incorporated, New York, N. Y. Shoes, slippers, and boots, etc. 509,391, May 3; Serial No. 541,867, published Dec. 28, 1948. Class 39.

Milner & Coke Limited, London, England. Non-alcoholic maltless beverages. 509,378, May 3; Serial No. 540,303, published Jan. 18, 1949. Class 45.

Milprint, Inc., Milwaukee, Wis. Plastic sheets or films. 442,593, May 3; Serial No. 499,646, published Jan. 11, 1949. Class 42.

Miner-Hillard Milling Co., Wilkes-Barre, Pa. Cereal product used for the manufacture of beer and ale. 509,320, May 3; Serial No. 535,581, published Jan. 4, 1949. Class 48.

Minneapolis Brewing Company, by Minneapolis Brewing Company (1933), Minneapolis, Minn. Beer. 94,249, Nov. 18, 1913. Republished May 3. Class 48.

Minneapolis Brewing Company (1933): *See*—
Minneapolis Brewing Company.

Minnesota Linseed Oil Paint Company, doing business as The Chi-Namel Paint & Varnish Co., Minneapolis, Minn., and Fort Wayne, Ind. Ready mixed paints, varnishes, and wood stains, etc. 509,249, May 3; Serial No. 527,599, published Jan. 11, 1949. Class 16.

Mitchell, Henry N., doing business as Mitchell Laboratories, North Shapleigh, Maine. Cleanser. 509,463, May 3; Serial No. 505,848. Class 4.

Mitchell Industries, Inc.: *See*—
Motorola, Inc.

Mitchell, James L., Oxnard, Calif. Electrical switchboards, convection-type electrical air heaters, electric pumping-plant panel boards, etc. 257,781, renewed June 18, 1949. O. G. May 3. Class 21.

Mitchell Laboratories: *See*—
Mitchell, Henry N.

Montana Flour Mills Company, Great Falls, Mont. Dairy feed. 258,951, renewed July 16, 1949. O. G. May 3. Class 46.

Moomaw, B. F., Co., Inc., Cloverdale, Va., by John Morrell & Co., Ottumwa, Iowa. Canned vegetables. 114,002, Nov. 14, 1916. Republished May 3. Class 46.

Morey Mercantile Company, The, Denver, Colo. Soda-fountain syrups. 509,395, May 3; Serial No. 542,044, published Jan. 4, 1949. Class 45.

Mor-Pak Preserving Corporation, San Francisco, Calif. Canned fruit. 509,369, May 3; Serial No. 539,335, published Dec. 28, 1948. Class 46.

Morrell, John, & Co.: *See*—
Grady, E. C., Produce Company.
Moomaw, B. F., Co., Inc.

Morrell, John, & Co., Ottumwa, Iowa. Monthly magazine. 195,252, Feb. 17, 1925. Republished May 3. Class 36.

Morrell, John, & Co., Ottumwa, Iowa. Food for dogs, cats, foxes, etc. 316,097, Sept. 11, 1934. Corrected. O. G. May 3. Class 46.

Morrell, John, & Co., Ottumwa, Iowa. Food for dogs, cats, foxes, etc. 317,382, Sept. 25, 1934. Corrected. O. G. May 3. Class 46.

Morten Milling Company: *See*—
Tex-O-Kan Flour Mills Co.

Morton Salt Company: *See*—
Mylee Salt Company, Inc.

Mossberg, O. F., & Sons, Inc., New Haven, Conn. Telescopes, supporting bases and parts thereof. 509,231, May 3; Serial No. 520,883, published Jan. 11, 1949. Class 26.

Motorola, Inc., Chicago, Ill., assignor to Mitchell Industries, Inc., Mineral Wells, Tex. Radio apparatus. 509,236, May 3; Serial No. 523,407, published Jan. 11, 1949. Class 21.

Mount Hamilton Winery: *See*—
Lovinor, William H.

Mutual Dealers Wholesale Inc.: *See*—
Wilhelm Lubrication Company.

Myers, Earle T.: *See*—
Paramount Canning Company.

Myers, Hiram, doing business as Redex Manufacturing Company, Woodside, L. I., by Redex, Incorporated, Brooklyn, N. Y. Lubricating oil. 385,309, Feb. 25, 1941. Republished May 3. Class 15.

Myles Salt Company, Inc., New Orleans, La., assignor to Morton Salt Company, Chicago, Ill. Salt. 509,300, May 3; Serial No. 533,915, published Jan. 11, 1949. Class 46.

Nadin Company: *See*—
National Bio-Chemical Co.

National Airlines, Inc., Miami, Fla. Air transportation of passengers, freight, express and mail. 509,458, May 3; Serial No. 538,030, published Nov. 9, 1948. Class 55.

National Automotive Parts Association, Detroit, Mich. Pistons, piston pins, piston pin bushings, etc. 361,349, Oct. 26, 1937. Republished May 3. Class 23.

National Automotive Parts Association, Detroit, Mich. Publications. 352,790, Dec. 14, 1937. Republished May 3. Class 38.

National Bio-Chemical Co., by Nadin Company, Los Angeles, Calif. Iodine tablet for internal use, also liquid and other iodine. 341,205, Dec. 1, 1936. Republished May 3. Class 6.

National Broadcasting Company, Inc., New York, N. Y. Magazine. 509,392, May 3; Serial No. 541,874, published Jan. 11, 1949. Class 38.

National Carbon Company, Inc., New York, N. Y. Dry primary cells. 509,450, May 3; Serial No. 567,595, published Jan. 11, 1949. Class 21.

National Formetal Company, Inc., Cleveland, Ohio. Bearings, bushings, tubular spacers. 509,461, May 3; Serial No. 495,683. Class 23.

National Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. 509,201, May 3; Serial No. 488,654, published Dec. 14, 1948. Class 39.

National Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. 509,376, May 3; Serial No. 539,975, published Dec. 14, 1948. Class 39.

National Musical String Co., New Brunswick, N. J. Strings for musical instruments. 81,021, Feb. 21, 1911. Republished May 3. Class 36.

National Musical String Co., New Brunswick, N. J. Strings for musical instruments. 88,511, Sept. 24, 1912. Republished May 3. Class 36.

National Musical String Co., New Brunswick, N. J. Strings for musical instruments. 370,781, Sept. 5, 1939. Republished May 3. Class 36.

National Paper Napkin Mfg. Co., Chicago, Ill. Folded paper napkins. 509,494, May 3; Serial No. 534,655. Class 37.

Nestle Company, Inc., The: *See*—
Nestle's Milk Products, Inc.

Nestle's Milk Products, Inc., to The Nestle Company, Inc., New York, N. Y. Preparation to relieve gastro-intestinal disorders. 505,305, Dec. 28, 1948. New certificate. O. G. May 3. Class 6.

New England Casualty Insurance Company, Springfield, Mass. Services in the writing of casualty insurance. 509,457, May 3; Serial No. 528,880, published May 4, 1948. Class 55.

Newman Co., The: *See*—
Newman, Milford.

Newman Company, The: *See*—
Newman, Milford.

Newman, Milford, doing business as The Newman Co., by Newman Company, New York, N. Y. Infants' wear. 280,360, Feb. 17, 1931. Republished May 3. Class 39.

New Orleans Import Co., Limited, New Orleans, La. Crabboil, spices, allspice, black pepper, etc. 442,640, May 3; Serial No. 525,932, published Jan. 11, 1949. Class 46.

Newport Company, The, Carrollville, Wis., to E. I. du Pont de Nemours and Company, Wilmington, Del. Dyes, dyestuffs, and colors. 252,456, renewed Feb. 5, 1949. O. G. May 3. Class 6.

Newport Finishing Corporation, Fall River, Mass. Rayon fabric in the piece. 509,448, May 3; Serial No. 554,507, published Jan. 4, 1949. Class 42.

Newport Industries, Inc., Pensacola, Fla. Natural mixture of monocyclic terpene hydrocarbons. 442,628, May 3; Serial No. 520,967, published Jan. 4, 1949. Class 16.

Newtons, The, Los Angeles, Calif. Children's purses and handbags. 509,521, May 3; Serial No. 549,661. Class 3.

New York Belting and Packing Company, Limited, to United States Rubber Company, New York, N. Y. Belting and hose. 73,228, re-renewed Mar. 30, 1949. O. G. May 3. Class 35.

Nixdorff-Krein Mfg. Co., St. Louis, Mo. Chains. 509,214, May 3; Serial No. 509,788, published Jan. 18, 1949. Class 13.

Norwich Line Company, Inc., Norwich, N. Y. Fly casting fishing lines. 438,508, May 4, 1948. Republished May 3. Class 22.

Nye-Wait Company, Inc., Auburn, N. Y. Textile rugs and carpets. 509,447, May 3; Serial No. 553,734, published Dec. 21, 1948. Class 42.

Obear-Nester Glass Co., East St. Louis, Ill. Prescription bottles made of glass. 231,759, Aug. 23, 1927. Republished May 3. Class 33.

Olin Industries, Inc.: *See*—
Barney & Berry, Inc.

Oliver, Mary, Candy Shops, Inc., The, New Haven, Conn. Candies and chocolates. 259,130, renewed July 23, 1949. O. G. May 3. Class 46.

Opdyke, Charles J., doing business as Ko-Lube Co., Lansing, Mich. Lubricating oil. 442,611, May 3; Serial No. 512,783, published Nov. 30, 1948. Class 15.

Orlandella, Anthony, Boston, Mass. Fresh fruits. 375,322, Feb. 13, 1940. Republished May 3. Class 46.

Orleans Company, Inc., New York, N. Y. Aniline dyes. 442,631, May 3; Serial No. 523,798, published Jan. 11, 1949. Class 6.

Owosso Manufacturing Co.: *See*—
Cummer Mfg. Co.

Pacific Mills, Boston, Mass., and New York, N. Y. Woolen fabrics in the piece. 442,582, May 3; Serial No. 484,496, published Jan. 11, 1949. Class 42.

Pacific Wines, Los Angeles, Calif. Wines. 509,386, May 3; Serial No. 541,564, published Jan. 11, 1949. Class 47.

Pacific Wines, Los Angeles, Calif. Brandy. 509,387, May 3; Serial No. 541,565, published Jan. 11, 1949. Class 47.

Paramount Canning Company, assignor to E. T. Myers, Haines City, Fla. Canned citrus juices. 509,367, May 3; Serial No. 539,204, published Dec. 28, 1948. Class 46.

Parmelee, A. F., doing business as United States Safety Service Company, Kansas City, Mo. Salt tablets. 509,477, May 3; Serial No. 515,677. Class 6.

Par-Metal Products Corp., Long Island City and New York, N. Y. Relay racks, desk panels, cabinet racks, etc. 509,416, May 3; Serial No. 545,388, published Dec. 28, 1948. Class 21.

Pearl Coffee Company, The, Akron, Ohio. Coffee. 230,290, July 19, 1927. Republished May 3. Class 46.

Pee Dee Bottling Company, Wadesboro, N. C. Maltless, nonalcoholic, carbonated beverages and ingredients for making the same. 252,535, renewed Feb. 12, 1949. O. G. May 3. Class 45.

Peerless Rubber Manufacturing Company, to United States Rubber Company, New York, N. Y. Hose composed of rubber or rubber and fabric. 72,665, re-renewed Feb. 9, 1949. O. G. May 3. Class 35.

PenRay Company: *See*—
Latouzek, Bernard L.

Perfect-Seal-Window Co. of America, The, assignor to A. J. Prondzinski, Milwaukee, Wis., doing business as The Perfect-Seal-Window Co. of America. Sliding sash-incorporating window construction. 509,513, May 3; Serial No. 544,607. Class 12.

Peters, Leo, Evanston, Ill. Nonalcoholic maltless beverages. 509,396, May 3; Serial No. 542,222, published Jan. 11, 1949. Class 45.

Pfister and Vogel Leather Company, by Pfister & Vogel Tanning Company, Milwaukee, Wis. Uncut leathers. 69,576–7, June 23, 1908. Republished May 3. Class 1.

Pfister & Vogel Tanning Company: *See*—
Pfister and Vogel Leather Company.

Pharmaceutical Products Co.: *See*—
Seine, George P.

Phillips Petroleum Company, Bartlesville, Okla. Gasoline and lubricating oils. 252,598, renewed Feb. 12, 1949. O. G. May 3. Class 15.

Phillips Petroleum Company, Bartlesville, Okla. Motor fuel oils. 295,893, July 19, 1932. Republished May 3. Class 15.

Piedmont Mills, Inc., Lynchburg, Va. Cornmeal. 139,605, Feb. 8, 1921. Republished May 3. Class 46.

Piedmont Mills, Inc., Lynchburg, Va. Wheat flour. 159,474, Sept. 26, 1922. Republished May 3. Class 46.

Piedmont Mills, Inc., Lynchburg, Va. Self-rising biscuit flour. 165,951, Mar. 27, 1923. Republished May 3. Class 46.

Piedmont Mills, Inc., Lynchburg, Va. Self-rising biscuit flour. 418,723, Jan. 8, 1946. Republished May 3. Class 46.

Pittman, Alfred: *See*—
Adams, George W.

Pilcote, Inc., Pittsburgh, Pa. Liquid fire resisting wall finish paint. 509,505, May 3; Serial No. 539,346. Class 16.

Plutzer, D., & Sons, Inc., New York, N. Y. Misses' dresses. 509,520, May 3; Serial No. 540,188. Class 39.

Pollak, Henry, Inc., New York, N. Y. Women's hat bodies. 509,509, May 3; Serial No. 541,335. Class 39.

Pool Manufacturing Company, Sherman, Tex. Work pants, work shirts, and one-piece work suits for men and boys. 509,273, May 3; Serial No. 530,561, published Dec. 21, 1948. Class 39.

Pope, Fred W., and T. W. Bryant, Lakeland, Fla. Fresh oranges. 509,302, May 3; Serial No. 534,338, published Jan. 4, 1949. Class 46.

Portland Wire & Iron Works, by Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 195,811, Mar. 3, 1925. Republished May 3. Class 34.

Power-Pak Products, Inc., Buffalo, N. Y. Tire inflation and fire extinguishing unit. 442,621, May 3; Serial No. 517,586, published Jan. 11, 1949. Class 23.

Precision Apparatus Co., Inc., Elmhurst, Long Island, N. Y. Vacuum tube testing and battery testing instruments. 509,241, May 3; Serial No. 526,607, published Dec. 21, 1948. Class 26.

Premier Mill Corporation, Geneva, N. Y. Colloid mills, homogenizers, grinders, etc. 442,584, May 3; Serial No. 486,810, published Jan. 4, 1949. Class 23.

Proctor Electric Company, Philadelphia, Pa. Electric irons. 509,293, May 3; Serial No. 532,874, published Dec. 28, 1948. Class 21.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. 438,322–3, Apr. 13, 1948. Republished May 3. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. 438,330, Apr. 13, 1948. Republished May 3. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. 438,342, Apr. 13, 1948. Republished May 3. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. 436,357, Apr. 13, 1948. Republished May 3. Class 4.

Promdsinski, August J.: *See*—
Perfect-Seal-Window Co. of America, The.

Prouty, Willis O.: *See*—
Rancho Estrella Poultry, Inc.

Purepac Corporation, New York, N. Y. Sodium bicarbonate, epsom salt, boric acid, cough syrup, etc. 509,502, May 3; Serial No. 537,621. Class 6.

Puritan Drug Company, St. Louis, Mo. Cosmetics and toilet preparations. 438,645, May 11, 1948. Republished May 3. Class 6.

Purity Oats Company, Keokuk, Iowa, to General Mills, Inc., Minneapolis, Minn. Rolled oats or oat flakes. 259,266, renewed July 30, 1949. O. G. May 3. Class 46.

Quaker Hosiery Company, Inc., to Quaker Lace Company, Philadelphia, Pa. Hosiery. 268,386, renewed July 9, 1949. O. G. May 3. Class 39.

Quaker Lace Company: *See*—
Quaker Hosiery Company, Inc.

Quaker Maid Chocolate & Confectionery Co., Philadelphia, Pa. Hard and soft candy. 54,946, Aug. 7, 1906. Republished May 3. Class 46.

Quaker State Oil Refining Co., by Quaker State Oil Refining Corporation, Oil City, Pa. Lubricating oils. 279,157, Jan. 6, 1931. Republished May 3. Class 15.

Quaker State Oil Refining Co., by Quaker State Oil Refining Corporation, Oil City, Pa. Lubricating oils and greases. 305,468, Aug. 15, 1933. Republished May 3. Class 15.

Quaker State Oil Refining Company, by Quaker State Oil Refining Corporation, Oil City, Pa. Lubricating oils and greases, fuel and illuminating oils, road oils, etc. 336,158–9, June 30, 1936. Republished May 3. Class 15.

Quaker State Oil Refining Co., Inc., by Quaker State Oil Refining Corporation, Oil City, Pa. Lubricating oils and greases. 312,645, May 1, 1934. Republished May 3. Class 15.

Quaker State Oil Refining Co., Inc., by Quaker State Oil Refining Corporation, Oil City, Pa. Lubricating oils and greases. 316,281, Aug. 21, 1934. Republished May 3. Class 15.

Quaker State Oil Refining Corporation: *See*—
Enterprise Oil Company, Inc.
Hower, Frank B.
Quaker State Oil Refining Co.
Quaker State Oil Refining Company.
Quaker State Oil Refining Co., Inc.
Sterling Oil Co.
Sterling Oil Company.

Queen Anne Candy Company, Inc., by Queen Anne Candy Corporation, Seattle, Wash. Candy. 250,119, July 23, 1929. Republished May 3. Class 46.

Queen Anne Candy Corporation: *See*—
Queen Anne Candy Company, Inc.

Queen Manufacturing Co., Inc., Chicago, Ill. Drying frames. 509,223, May 3; Serial No. 518,037, published Dec. 28, 1948. Class 24.

Radio Corporation of America, New York, N. Y. Electron tubes. 509,402, May 3; Serial No. 543,522, published Jan. 4, 1949. Class 21.

Radio Corporation of America, New York, N. Y. Internal combustion engine-driven electrical generators. 509,421, May 3; Serial No. 546,126, published Dec. 21, 1948. Class 21.

Ragle, J. M., Kansas City, Mo. Welding rods. 424,355, Oct. 1, 1946. Republished May 3. Class 14.

Rainfair, Inc.: *See*—
Chicago Rubber Clothing Company.

Rainwear Toscony Fabrics, Inc., New York, N. Y. Plastic film. 509,409, May 3; Serial No. 544,463, published Jan. 4, 1949. Class 42.

Rajah Company, The, Bloomfield, N. J. Electrical apparatus. 509,373, May 3; Serial No. 539,811, published Jan. 18, 1949. Class 21.

Ralston Purina Company, St. Louis, Mo. Scandinavian style bread. 509,362, May 3; Serial No. 538,813, published Dec. 28, 1948. Class 46.

Rancho Estrella Poultry, Inc., assignor to W. O. Prouty, Puente, Calif. Chickens frozen and dressed. 509,297, May 3; Serial No. 533,051, published Dec. 7, 1948. Class 46.

Raxon Fabrics Co., assignor to Raxon Fabrics Corp., New York, N. Y. Silk and rayon fabrics in the piece. 442,616, May 3; Serial No. 516,634, published May 6, 1947. Class 42.

Raxon Fabrics Corp.: *See*—
Raxon Fabrics Co.

Raynard Optical Co.: *See*—
Cohen, Saul.

Raynard Optical Company: *See*—
Cohen, Saul.

Real Detective Tales, Inc., Chicago, Ill., by Sensation magazine, Inc., New York, N. Y. Monthly fiction and news detective story magazine. 294,606, June 7, 1932. Republished May 3. Class 38.

Red-ee Foods, Inc., by Cinch Products, Inc., Los Angeles, Calif. Cake mix and icing. 385,495, Mar. 4, 1941. Republished May 3. Class 46.

Red-ee Foods, Inc., by Cinch Products, Inc., Los Angeles, Calif. Partly prepared applesauce. 396,085, May 12, 1942. Republished May 3. Class 46.

Redex, Incorporated: *See*—
Myers, Hiram.

Redex Manufacturing Company: *See*—
Myers, Hiram.

Red Spot Paint & Varnish Co., also doing business as Evansville Paint & Varnish Co., by Red Spot Paint & Varnish Co., Inc., Evansville, Ind. Cleaner both caustic and abrasive, oil soaps, metal polish, nickel paste. 265,355, Mar. 11, 1930. Republished May 3. Class 4.

Red Spot Paint & Varnish Co., Inc.: *See*—
Red Spot Paint & Varnish Co.

Red Spot Paint & Varnish Company, Incorporated, Evansville, Ind. Paint enamels; dry paste, and ready-mixed paints, etc. 210,432, Mar. 16, 1926. Republished May 3. Class 16.

Red Spot Paint & Varnish Co., Inc., Evansville, Ind. Liquid paint. 221,225, Nov. 23, 1926. Republished May 3. Class 16.

Red Spot Paint & Varnish Co., Inc., Evansville, Ind. Liquid and paste polishes and waxes, etc. 221,228, Nov. 23, 1926. Republished May 3. Class 16.

Regent Limited, Boston, Mass. Women's and girls' non-knitted sportswear. 509,257, May 3; Serial No. 528,510, published Mar. 16, 1946. Class 39.

Reilly, Peter C., Indianapolis, Ind. Materials for oiling and top-dressing roads. 73,958, re-renewed June 1, 1949. O. G. May 3. Class 15.

Reinhardt, Donald S., New York, N. Y. Mouth-pieces and reeds. 442,585, May 3; Serial No. 486,812, published Jan. 18, 1949. Class 36.

Reis, Robert, & Co., New York, N. Y. Athletic or pull-over shirts. 253,602, renewed Mar. 5, 1949. O. G. May 3. Class 39.

Reis, Robert, & Co., New York, N. Y. Bathing suits, sweaters, and knit and woven underwear for males. 253,712, renewed Mar. 5, 1949. O. G. May 3. Class 39.

Renault, L. N., & Sons, Inc., doing business as Champagne Vintners, Egg Harbor City, N. J. Wines. 509,370, May 3; Serial No. 539,348, published Jan. 11, 1949. Class 47.

Resiloid Corporation, Brooklyn, N. Y. Piece goods. 509,371, May 3; Serial No. 539,351, published Jan. 11, 1949. Class 42.

Rexon Inc., New York, N. Y. Cigarette and cigar cases, cigarette and cigar holders, and ash trays. 509,218, May 3; Serial No. 513,639, published Dec. 28, 1948. Class 8.

Rig Company, The: *See*—
Guy, Ralph I.

Rig Products Company: *See*—
Wiles, Russell, Jr.

Ritchie, Nelvia E.: *See*—
Adams, George W.

Robertshaw-Fulton Controls Company, Youngwood, Pa. Thermostats, thermostatic temperature regulators, thermostatic water mixers, etc. 509,419, May 3; Serial No. 545,895, published Jan. 4, 1949. Class 26.

Robeson Process Company, New York, N. Y. Liquid adhesive. 75,485 Oct. 5, 1909. Republished May 3. Class 12.

Robeson Process Company, New York, N. Y. Adhesive liquid. 75,487, Oct. 5, 1909. Republished May 3. Classes 5 and 12.

Robeson Process Company, New York, N. Y. Liquid adhesive. 255,202, Apr. 16, 1929. Republished May 3. Class 5.

Robeson Process Company, New York, N. Y. Liquid material to be used in the mordanting of textiles. 281,831, Mar. 31, 1931. Republished May 3. Class 6.

Robeson Process Company, New York, N. Y. Material used as a tanning extract. 302,850, May 2, 1933. Republished May 3. Class 6.

Rochester Manufacturing Co., Inc., Rochester, N. Y. Indicating gauges. 442,609, May 3; Serial No. 512,345, published July 27, 1948. Class 26.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Weighing scales. 509,283, May 3; Serial No. 541,061, published Dec. 28, 1948. Class 26.

Rockwell Manufacturing Company, Pittsburgh, Pa. Oscillating type meters. 509,219, May 3; Serial No. 514,432, published Jan. 11, 1949. Class 26.

Rockwell Manufacturing Company, Pittsburgh, Pa. Electric motors, electric welders and parts thereof. 509,399, May 3; Serial No. 542,659, published Jan. 4, 1949. Class 21.

Roddenberry-Mollca Company, Delano, Calif. Fresh grapes and melons. 436,589, May 4, 1948. Republished May 3. Class 46.

Roebling's, John A., Sons, Company, Trenton, N. J. Electrical wire and cable. 509,423, May 3; Serial No. 546,610, published Dec. 21, 1948. Class 21.

Roebling's, John A., Sons, Company, Trenton, N. J. Electrical wire and cable. 509,424, May 3; Serial No. 546,612, published Dec. 21, 1948. Class 21.

Roebling's, John A., Sons, Company, Trenton, N. J. Electrical wire and cable. 509,425, May 3; Serial No. 546,615, published Dec. 21, 1948. Class 21.

Roper, Geo. D., Corporation, Rockford, Ill. Hydraulic power units. 442,597, May 3; Serial No. 501,475, published Jan. 11, 1949. Class 23.

Rosenberg Bros.: *See*—
Bear Creek Orchards.

Rosenbloom, S., Inc., Baltimore, Md. Work shirts. 442,605, May 3; Serial No. 510,030, published Aug. 3, 1948. Class 39.

Rotary Lift Company, Memphis, Tenn. Combined hydraulic lift and adjustable platform. 509,203, May 3; Serial No. 494,125, published Jan. 11, 1949. Class 23.

Royal Tailors, The, by Chicago Kahn Bros., Chicago, Ill. Boys', youths', and men's suits, coats, vests, etc. 238,044, Jan. 24, 1928. Republished May 3. Class 39.

S & M Lamp Co., Incorporated, Los Angeles, Calif. Electrical flood lights. 509,353, May 3; Serial No. 537,736, published Dec. 21, 1948. Class 21.

Salant & Salant, Inc., New York, N. Y. Men's and boys' work shirts. 509,262, May 3; Serial No. 529,311, published Dec. 7, 1948. Class 39.

Samalto Hosiery Mills, Perkasie, Pa. Women's hosiery. 442,588, May 3; Serial No. 491,364, published Apr. 2, 1946. Class 39.

Sargeant Arnold Pharmaceutical Co. Inc., East Orange, N. J., to S. M. Sargeant, Highland Mills, N. Y. Ointment, a miscible cleansing cream, etc. 259,698, renewed Aug. 6, 1949. O. G. May 3. Class 6.

Sargeant, Stanley M.: *See*—
Sargeant Arnold Pharmaceutical Co. Inc.

Schick, Hirell W., Cincinnati, Ohio. Wash, wrap-around aprons or dresses for women and children. 509,503, May 3; Serial No. 537,947. Class 39.

Schindler, Charles, by Schindler Stamping & Toy Co., Toledo, Ohio. Rolling toy. 136,615, Nov. 2, 1920. Republished May 3. Class 22.

Schindler Stamping & Toy Co.: *See*—
Schindler, Charles.

Schlitz, Jos., Brewing Company, Milwaukee, Wis. Malt liquors. 509,384, May 3; Serial No. 541,193, published Jan. 11, 1949. Class 48.

Schneierson, L., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 285,551, Nov. 3, 1931. Republished May 3. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 290,053, Dec. 22, 1931. Republished May 3. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 321,305, Jan. 29, 1935. Republished May 3. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 322,917, Mar. 26, 1935. Republished May 3. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 333,605, Mar. 31, 1936. Republished May 3. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 368,716, June 27, 1939. Republished May 3. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 387,411, May 13, 1941. Republished May 3. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Nurses', beauticians', waitresses', maids', institutional, industrial and utility work uniforms, etc. 389,683, Aug. 19, 1941. Republished May 3. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, pajamas, dresses, etc. 404,058, Nov. 2, 1943. Republished May 3. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, pajamas, dresses, princess slips, etc. 407,105–06, May 16, 1944. Republished May 3. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, pajamas, dresses, princess slips, etc. 412,186–7, Feb. 20, 1945. Republished May 3. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, pajamas, dresses, princess slips, etc. 412,444, Mar. 6, 1945. Republished May 3. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, pajamas, dresses, etc. 416,516, Sept. 18, 1945. Republished May 3. Class 39.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 248,139, Oct. 16, 1928. Republished May 3. Class 39.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. for men, youths and boys. 509,290, May 3; Serial No. 532,641, published Dec. 21, 1948. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Antiseptic and medicated foot powders and lotions, balms, and salves. 509,429, May 3; Serial No. 548,418, published Jan. 18, 1949. Class 6.

Schreiber Brawing Company, Inc.: *See*—
Schreiber Products Corporation.

Schreiber Products Corporation, by Schreiber Brewing Company, Inc., Buffalo, N. Y. Malt extract syrup. 159,087, Sept. 19, 1922. Republished May 3. Class 46.

Schreiber Products Corporation, by Schreiber Brewing Company, Inc., Buffalo, N. Y. Malt extract syrup. 159,510, Sept. 26, 1922. Republished May 3. Class 46.

Schulte, D. A., Inc.: *See*—
BBB Company, Limited, The.
B. B. B. Pipe Co. Inc.
Dasco Products Co., Inc.
Elsenlohr, Webster, Inc.
Frankau, Adolph, & Co., Ltd.
MI Favorita Cigaro Co., Inc.

Schwarzwaelder Company, Philadelphia, Pa. Waterproofed fabrics. 343,964, Mar. 9, 1937. Republished May 3. Class 42.

Seaboard Lemon Association, Oxnard, Calif. Fresh citrus fruits. 352,721, Dec. 7, 1937. Republished May 3. Class 46.

Seaboard Lemon Association, Oxnard, Calif. Fresh citrus fruits. 352,025, Dec. 14, 1937. Republished May 3. Class 46.

Seaboard Lemon Association, Oxnard, Calif. Fresh citrus fruit. 369,977, Aug. 8, 1939. Republished May 3. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Hosiery and knitted underwear, boys' vests, coats, etc. 509,330, May 3; Serial No. 536,141, published Jan. 11, 1949. Class 39.

Seeman Brothers, Inc., New York, N. Y. Canned vegetables. 509,344, May 3; Serial No. 537,086, published Jan. 11, 1949. Class 46.

Selas Corporation of America, Philadelphia, Pa. Meter for measuring and indicating the flow of fluids. 509,242, May 3; Serial No. 526,649, published Dec. 14, 1948. Class 26.

Seng Company, The, Chicago, Ill. Mechanical devices for sofa beds. 509,388, May 3; Serial No. 541,582, published Jan. 11, 1949. Class 32.

Sensation Magazine, Inc.: *See*—
Real Detective Tales, Inc.

Seric, Ivan, doing business as Carah-Carah Cosmetic Co., Los Angeles, Calif. Preparation for face beautifier, and rubbing compounds. 442,601, May 3; Serial No. 506,062, published Jan. 18, 1949. Class 6.

Shane, C. B., Corporation, assignor to Chicago Kahn Bros., Chicago, Ill. Overcoats and topcoats. 509,265, May 3; Serial No. 529,711, published Dec. 21, 1948. Class 39.

Shapleigh Hardware Company, St. Louis, Mo. Dry, ready-mixed and paste paints, calcimine, enamels, etc. 509,276, May 3; Serial No. 531,048, published Dec. 14, 1948. Class 16.

Shelhar Fabrics Corporation, New York, N. Y. Fabrics made of rayon, and of rayon and cotton. 509,444, May 3; Serial No. 553,220, published Jan. 4, 1949. Class 42.

Sherwin-Williams Co., The, Cleveland, Ohio. Lacquers. 509,382, May 3; Serial No. 540,907, published Jan. 11, 1949. Class 16.

Shields Slipper Corporation, Bombay, N. Y. Boots and shoes. 442,619, May 3; Serial No. 517,170, published Dec. 21, 1948. Class 39.

Sho-All Company: *See*—
Dishman, Roy.

Shoecraft, Inc., New York, N. Y. Women's, misses', and children's shoes, and hosiery. 394,464, Apr. 7, 1942. Republished May 3. Class 39.

Shoeld, Mark, Baltimore, Md. Electrical blankets. 509,243, May 3; Serial No. 526,681, published Dec. 21, 1948. Class 21.

Shwayder Bros., Inc., Denver, Colo. Trunks, suitcases, and traveling bags. 366,822, May 2, 1939. Republished May 3. Class 3.

Sierra Vista Packing Association, Riverside, Calif. Fresh citrous fruits. 189,334, Sept. 16, 1924. Republished May 3. Class 46.

Sierra Vista Packing Association, Riverside, Calif. Fresh citrous fruits. 234,673–4, Nov. 1, 1927. Republished May 3. Class 46.

Simpson, J. I., and C. V., Waterville, Minn. Seed corn. 437,546, Mar. 30, 1948. Republished May 3. Class 1.

Sinclair, John, Limited: *See*—
Allen, William R.

Sinclair, John, Limited, Newcastle-on-Tyne, England. Smoking tobacco. 158,812, Sept. 12, 1922. Republished May 3. Class 17.

Smart Maid, Inc., Philadelphia, Pa. Dresses. 442,627, May 3; Serial No. 520,838, published Dec. 21, 1948. Class 39.

Smart Matron, Inc., Paola, Kans. Women's dresses, coats, and jackets. 509,482, May 3; Serial No. 518,435. Class 39.

Smith, Albert D., & Co., by Smith Textile Corporation, New York, N. Y. Cotton piece goods and shade cloth. 246,995, Sept. 18, 1928. Republished May 3. Class 42.

Smith, Albert D., & Co., by Smith Textile Corporation, New York, N. Y. Cotton piece goods and shade cloth. 248,665, Oct. 30, 1928. Republished May 3. Class 42.

Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Textile carpets and rugs. 509,507, May 3; Serial No. 540,465. Class 42.

Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Textile carpets and rugs. 509,508, May 3; Serial No. 540,468. Class 42.

Smith Textile Corporation: *See*—
Smith, Albert A., & Co.

Smithville Inn, Inc., Smithville, Ohio. Fresh frozen chickens and parts thereof, and coffee and noodles. 509,486, May 3; Serial No. 522,773. Class 46.

Snower, William, doing business as Kansas City White Goods Manufacturing Company, Kansas City, Mo. Cotton sheeting, sheets, pillow cases, etc. 259,703, renewed Aug. 6, 1949. O. G. May 3. Class 42.

Societa Chapeaux Mossant, Bourg-De-Peage, (Drome), France. Ladies' hats. 509,350, May 3; Serial No. 537,472, published Jan. 4, 1949. Class 39.

Société Chimique des Usines du Rhone Anclennement Gilliard, P. Mounet et Cartier, by Societa des Usines Chimiques Rhone-Poulenc, Paris, France. Celluloid. 123,286, Oct. 22, 1918. Republished May 3. Class 1.

Societe des Usines Chimiques Rhone-Poulenc: *See*—
Société Chimique des Usines du Rhone Anclennement Gilliard, P. Monnet et Cartier.

Society Brand Clothes, Inc.: *See*—
Decker, Alfred & Cohn, Inc.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Oleoresinous varnish. 442,637, May 3; Serial No. 525,413, Dec. 28, 1948. Class 16.

Solar Corporation, Milwaukee, Wis. Electric storage batteries. 509,403, May 3; Serial No. 543,756, published Jan. 4, 1949. Class 21.

Solo Products Corporation, New York, N. Y. Bobby-pins, barrettes, and combs. 442,642, May 3; Serial No. 525,414. Class 40.

Solomon, Jacob, by U. S. Knitwear Co., New York, N. Y. Men's, women's, and children's swim suits. 326,707, July 30, 1935. Republished May 3. Class 39.

Southern Dairies, Inc., Washington, D. C. Bodies of ice cream having a coating of edible substance. 254,111, renewed Mar. 12, 1949. O. G. May 3. Class 46.

Southern Dairies, Inc., Washington, D. C. Ice cream, ices, and sherbets. 254,505, renewed Mar. 26, 1949. O. G. May 3. Class 46.

Southern Dairies, Inc., Washington, D. C. Fresh and pasteorized milk, cream, fresh buttermilk, etc. 255,050, renewed Apr. 9, 1949. O. G. May 3. Class 46.

Southern Dairies, Inc., Washington, D. C. Bodies of ice cream having a coating of edible substance. 257,988, renewed June 25, 1949. O. G. May 3. Class 46.

Spats, Maurice S., doing business as Crystal Springs Packing Company, Medford, Oreg. Fresh pears. 509,266, May 3; Serial No. 529,720, published Jan. 11, 1949. Class 46.

Spencer-Adams Paint Co., Inc., Atlanta, Ga. Ready mixed paints and paint enamels. 509,422, May 3; Serial No. 546,436, published Jan. 11, 1949. Class 16.

Sprague Electric Company: *See*—
Sprague Specialties Co.

Sprague Electric Company, North Adams, Mass. Electrolytic condensers, electrostatic condensers, electrical filters, etc. 509,306, May 3; Serial No. 534,482, published Dec. 21, 1948. Class 21.

Sprague Products Company, North Adams, Mass. Electrical resistors. 365,238, Feb. 28, 1939. Republished May 3. Class 21.

Sprague Products Company, North Adams, Mass. Radio interference filters. 509,200, May 3; Serial No. 485,709, published Jan. 11, 1949. Class 21.

Sprague Specialties Co., by Sprague Electric Company, North Adams, Mass. Electrical condensers. 313,293, May 22, 1934. Republished May 3. Class 21.

Spurgeon Hosiery Corporation, Philadelphia, Pa. Nylon hosiery. 509,307, May 3; Serial No. 534,483, published Jan. 11, 1949. Class 39.

Spurgeon Hosiery Corporation, Philadelphia, Pa. Nylon hosiery. 509,308, May 3; Serial No. 534,485, published Jan. 11, 1949. Class 39.

Squire Dingee Company, Chicago, Ill. Pickles, mustard, pickle relish, etc. 442,632, May 3; Serial No. 524,022, published July 13, 1948. Class 46.

Squirt Company, The, by The Squirt Company, Beverly Hills, Calif. Nonalcoholic beverages. 401,117, Apr. 27, 1943. Republished May 3. Class 45.

Standard Arcturus Corporation, Newark, N. J. Radio and electronic tubes. 509,385, May 3; Serial No. 541,217, published Jan. 11, 1949. Class 21.

Standard Milling Company, Chicago, Ill. Wheat flour. 509,312, May 3; Serial No. 534,933, published Jan. 4, 1949. Class 46.

Standard Pressed Steel Company, Jenkintown, Pa. Hollow set screws, socket head cap screws, square head set screws, etc. 301,583, Mar. 7, 1933. Republished May 3. Class 13.

Stanley Works, The, New Britain, Conn. Measuring rules. 259,616, renewed Aug. 6, 1949. O. G. May 3. Class 26.

Star-Maid Dresses, Inc., New York, N. Y. Women's and misses' dresses, coats, jackets, etc. 509,263, May 3; Serial No. 529,420, published Dec. 21, 1948. Class 39.

Stedfast Rubber Company, to Stedfast Rubber Co., Inc., Mattapan, Mass. Artificial leather. 253,986, renewed Mar. 12, 1949. O. G. May 3. Class 50.

Stedfast Rubber Co., Inc.: *See*—
Stedfast Rubber Company.

Stein, Joseph, Coat Co., Inc., New York, N. Y. Ladies' and misses' coats and suits. 509,525, May 3; Serial No. 550,630. Class 39.

Stephano Brothers, Philadelphia, Pa. Cigarettes. 509,433, May 3; Serial No. 549,592, published Dec. 28, 1948. Class 17.

Sterling Oil Co., Emlenton, by Quaker State Oil Refining Corporation, Oil City, Pa. Oils and greases. 87,230, Oct. 22, 1901. Republished May 3. Class 15.

Sterling Oil Company, Emlenton, by Quaker State Oil Refining Corporation, Oil City, Pa. Oils and greases used in stuffing and finishing leather. 64,179, July 30, 1907. Republished May 3. Class 4.

Stern Brothers, New York, N. Y. Children's shoes. 259,348, renewed July 30, 1949. O. G. May 3. Class 39.

Stern Brothers, New York, N. Y. Women's and misses' hats, hosiery; shoes, etc. 259,355, renewed July 30, 1949. O. G. May 3. Class 39.

Stevens, J. P., & Co., Inc., New York, N. Y. Woolen fabrics. 509,303, May 3; Serial No. 534,386, published Dec. 21, 1948. Class 42.

Stevenson, J. M., Garnett, Kans. Soil conditioner. 437,809, Mar. 30, 1948. Republished May 3. Class 10.

Stewart Hartshorn Company, New York, N. Y. Cloth window shades. 509,500, May 3; Serial No. 536,308. Class 32.

Stimson, Noel O., Los Angeles, Calif. Contact lenses. 509,467, May 3; Serial No. 509,252. Class 26.

Stine, George P., doing business as Pharmaceutical Products Co., Washington, D. C. Antacid. 509,522, May 3; Serial No. 540,970. Class 6.

Stitt Ignition Company, Columbus, Ohio. Automotive and gas engine spark plugs, and parts therefor. 509,224, May 3; Serial No. 518,110, published Dec. 21, 1948. Class 21.

Stout-Lindsay, Inc., East Cleveland, Ohio. Training devices composed of a tray and compartmented food dish. 442,590, May 3; Serial No. 500,635, published Jan. 11, 1949. Class 2.

Strawbridge & Clothier, Philadelphia, Pa. Misses' shoes. 349,321, May 3; Serial No. 535,650, published Dec. 21, 1948. Class 39.

Stuart Mansfield Co., Inc., New York, N. Y. Plastic film sheeting with a cotton backing. 442,015, May 3; Serial No. 516,449, published Jan. 11, 1949. Class 42.

Stunzi Sons Silk Company, Inc., New York, N. Y. Silk piece goods. 509,383, May 3; Serial No. 538,826, published Dec. 28, 1948. Class 42.

Sturtevant, B. F., Company, Hyde Park, Boston, Mass., to Westinghouse Electric Corporation, East Pittsburgh, Pa. Centrifugal fans, propeller fans, blowers, etc. 257,270, renewed June 4, 1949. O. G. May 3. Class 23.

Stutland, Louis F.: *See*—
Cohen, Saul.

Sun-Ray Hair Preparations Co.: *See*—
Langhans, Morris.

Sutter, Alfred, Oberhofen-Munchwilen, Canton of Thurgau, Switzerland. Compounds for preparing the slide surface of skis, these being waxes, tallows, etc. 509,335, May 3; Serial No. 538,463, published Dec. 21, 1948. Class 16.

Sutton, O. A., Corporation, Inc., The, Wichita, Kans. Electric fans. 509,417, May 3; Serial No. 545,558, published Dec. 28, 1948. Class 21.

Swanson, C. A., & Sons, Omaha, Nebr. Food for small animals. 509,466, May 3; Serial No. 508,873. Class 46.

Sweet, Orr & Company, New York, Newburgh, Wappingers Falls, and Brooklyn, N. Y., and Joliet, Ill., to Sweet-Orr & Co., Inc., New York, N. Y. Overalls, coats, and trousers. 74,749, re-renewed Aug. 3, 1949. O. G. May 3. Class 39.

Sweet-Orr & Co., Inc.: *See*—
Sweet, Orr & Company.

Tedlock Company, The, Los Altos, Calif. Cleaner. 509,468, May 3; Serial No. 509,478. Class 4.

Temple Topics, Chicago, Ill. Magazine. 509,489, May 3; Serial No. 551,339, published Jan. 4, 1949. Class 38.

Terminal Grain Company, Fort Worth, Tex. Seed grains. 509,250, May 3; Serial No. 527,623, published Jan. 11, 1949. Class 1.

Tested Papers of America, Inc., Chicago, Ill. Twine. 509,517, May 3; Serial No. 547,791. Class 7.

Tetley, Joseph, & Co., Inc., to Tetley Tea Co., Inc., New York, N. Y. Packages of tea. 259,480–1, renewed July 30, 1949. O. G. May 3. Class 46.

Tetley Tea Co., Inc.: *See*—
Tetley, Joseph, & Co., Inc.

Texas Housing Company, Dallas, Tex. Prefabricated houses made of wood. 509,485, May 3; Serial No. 521,158. Class 12.

Texas Pacific Coal and Oil Company, Fort Worth, Tex. Lubricating oils. 257,513, renewed June 11, 1949. O. G. May 3. Class 15.

Tex-O-Kan Flour Mills Co., doing business as Morten Milling Company, Dallas, Tex. Wheat flour. 509,455, May 3; Serial No. 506,258, published Jan. 4, 1949. Class 46.

Thermatomic Carbon Company, Pittsburgh, Pa., to Thermatomic Carbon Company, New York, N. Y. Carbon black. 256,985, renewed May 28, 1949. O. G. May 3. Class 1.

Thompson Manufacturing Co., The, Chicago, assignor to Thompson and Sons, Inc., Lyons, Ill. Domestic vacuum cleaners. 509,346, May 3; Serial No. 537,372, published Dec. 21, 1948. Class 21.

Thompson, Robert W., Berkeley, Calif. Key guides for control valves for sprinkler systems. 442,614, May 3; Serial No. 516,009, published Jan. 18, 1949. Class 18.

Thompson and Sons, Inc.: *See*—
Thompson Manufacturing Co., The.

Tom's Scalpade, Inc., Cold Spring, N. Y. Scalp cleanser and hairdressing. 509,212, May 3; Serial No. 508,353, published Jan. 18, 1949. Class 6.

Towncliffe, Inc., New York, N. Y. Ladies' and misses' coats, suits, jackets, and outer skirts. 404,685, Dec. 14, 1943. Republished May 3. Class 39.

Towne Talk Company, by Towne Talk Company, Los Angeles, Calif. Syrups, extracts, and flavors for making non-alcoholic beverages. 388,924, July 15, 1941. Republished May 3. Class 45.

Towne Talk Company, by Towne Talk Company, Los Angeles, Calif. Flavor bases for making non-alcoholic beverages. 410,106, Nov. 7, 1944. Republished May 3. Class 45.

Townsend, E. M., & Co., to Jack Cohen, New York, N. Y. Hosiery. 256,407, renewed May 14, 1949. O. G. May 3. Class 39.

Tramarc's Valley of Health, Denver, Colo. Fresh peaches, apples, celery, etc. 442,610, May 3; Serial No. 512,629, published Feb. 10, 1948. Class 46.

Traver Corporation, Chicago, Ill. Heat sealable metal foil merchandise bags and envelopes. 509,479, May 3; Serial No. 516,157. Class 2.

Trims Company, Inc., Chicago, Ill. Decorative paper specialties. 408,009, Aug. 22, 1944. Republished May 3. Class 37.

Trojan Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. 509,251, May 3; Serial No. 527,654, published Jan. 11, 1949. Class 39.

Unreo Incorporated, Chicago, Ill. Machine for feeding stationery through a business machine. 509,291, May 3; Serial No. 532,766, published Jan. 11, 1949. Class 23.

Underwood Corporation, New York, N. Y. Multiple-keyoperated computing machines, also combined computing and typewriting machines. 509,354, May 3; Serial No. 537,953, published Jan. 4, 1949. Class 26.

Union Bag & Paper Corporation, New York, N. Y. Paper bags. 252,651, renewed Feb. 12, 1949. O. G. May 3. Class 2.

United Conveyor Corporation, Chicago, Ill. Rough and semifinished iron alloy castings. 284,285, June 23, 1931. Republished May 3. Class 14.

United Royalties Corporation, New York, N. Y. Egg beaters; mixer churns; beverage beaters; etc. 509,225, May 3; Serial No. 518,443, published Dec. 28, 1948. Class 23.

United Wallpaper, Inc., Chicago, Ill. Draperies and fabric wall coverings. 509,454, May 3; Serial No. 560,509, published Jan. 11, 1949. Class 42.

United States Envelope Company, Springfield, Mass. Merchandise envelopes. 442,636, May 3; Serial No. 524,638, published Jan. 18, 1949. Class 2.

U. S. Expansion Bolt Co., New York, N. Y., by U. S. Expansion Bolt Co., York, Pa. Screw anchors. 205,854, Nov. 17, 1925. Republished May 3. Class 13.

U. S. Knitwear Co.: *See*—
Solomon, Jacob.

United States Rubber Company: *See*—
New York Belting and Packing Company, Limited.
Peerless Rubber Manufacturing Company.

United States Rubber Company, New York, N. Y. Liquid adhesive with rubber or resin base. 509,462, May 3; Serial No. 501,098. Class 5.

United States Safety Service Company: *See*—
Parmelee, A. F.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Wax finish. 509,283, May 3; Serial No. 531,633, published Sept. 28, 1948. Class 16.

Universal Crusher Company, by Universal Engineering Corporation, Cedar Rapids, Iowa. Device for crushing, screening, loading, and handling rock and similar materials, etc. 394,436, Apr 7, 1942. Republished May 3. Class 23.

Universal Engineering Corporation: *See*—
Universal Crusher Company.

University Laboratories, Inc., Milwaukee, Wis. Suppository. 254,178, renewed Mar. 12, 1949. O. G. May 3. Class 6.

Valcort Hosiery Corporation, New York, N. Y. Ladies' and misses' hosiery. 509,331, May 3; Serial No. 536,178, published Dec. 28, 1948. Class 39.

Valentine, J. W., Co., Inc., New York, N. Y. Vinyl coated rayon piece goods. 509,213, May 3; Serial No. 509,381, published Jan. 4, 1949. Class 42.

Valley Produce Distributors, Phoenix, Ariz. Fresh vegetables. 438,550, Apr. 27, 1943. Republished May 3. Class 46.

Van Cleef & Arpels, Inc., New York, N. Y. Cigarette lighters. 509,404, May 3; Serial No. 543,763, published Jan. 11, 1949. Class 8.

Vanity Fair Silk Mills, to Vanity Fair Mills, Inc., Reading, Pa. Nightgowns, bathing suits, pajamas, etc. 257,588, renewed June 11, 1949. O. G. May 3. Class 39.

Vanity Fair Mills, Inc.: *See*—
Vanity Fair Silk Mills.

Vanta Company The: *See*—
Earnshaw Knitting Company.

Vanta Company Inc. The: *See*—
Earnshaw Knitting Company.

Vereinigte Chininfabriken, Zimmer & Co., Gesellschaft mit Beschränkter Haftung, Frankfort-on-the-Main, Germany, by The Chemical Foundation, Incorporated, New York, N. Y. Medicament. 29,457, Jan. 12, 1897. Republished May 3. Class 6.

Vickers, Incorporated: *See*—
Benwood-Linze Company.

Victor Balata & Textile Belting Co., New York, N. Y. Solid interwoven belt. 259,750, renewed Aug. 6, 1949. O. G. May 3. Class 35.

Victory Hat Block Company, New York, N. Y. Hat blocking machine. 509,261, May 3; Serial No. 529,116, published Jan. 4, 1949. Class 23.

Wachsberg Pickle Works, Bayonne, N. J. Dill pickles, sweet mixed pickles, sweet pickle rings, etc. 404,134, Nov. 2, 1943. Republished May 3. Class 46.

Walker, Edward C., doing business as Kozak, by Kozak, Inc., Batavia, N. Y. Chemically-treated cloths. 243,695, June 26, 1928. Republished May 3. Class 4.

Walther, John, Fabrics, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. 417,136, Oct. 16, 1945. Republished May 3. Class 42.

Walworth Company, Boston, Mass. Pipe wrenches. 509,206, May 3; Serial No. 505,020, published Nov. 30, 1948. Class 23.

Wander Company, The, Chicago, Ill. Vitamin and mineral fortified vegetable and cereal food. 509,475, May 3; Serial No. 515,207. Class 46.

Waring Products Corporation, New York, N. Y. Electrical disintegrator and mixer and electrical steam irons. 509,471, May 3; Serial No. 512,139. Class 21.

Washburn Crosby Company to General Mills, Inc., Minneapolis, Minn. Wheat flour. 72,916, re-renewed Mar. 2, 1949. O. G. May 3. Class 46.

Washburn Crosby Company to General Mills, Inc., Minneapolis, Minn. Wheat flour. 256,524, renewed May 21, 1949. O. G. May 3. Class 46.

Washington Manufacturing Company, Nashville, Tenn. Work shirts, work pants, overalls, etc. 442,807, May 3; Serial No. 511,715, published Dec. 14, 1948. Class 39.

Waterbury Companies, Incorporated, Waterbury, Conn. Garment buckles, buttons, button backs, button eyes, etc. 509,526, May 3; Serial No. 550,635, Class 40.

Watson, John Warren, Company, Philadelphia, Pa. Friction braking mechanisms and parts, recoil checks, shock-absorbing mechanisms. 249,591, Nov. 20, 1928. Republished May 3. Class 19.

Wayne Knitting Mills, Fort Wayne, Ind. Stockings. 509,278, May 3; Serial No. 531,266, published Jan. 11, 1949. Class 39.

Weinberg Corporation, Chicago, Ill. Men's and young men's suits, coats, vests, etc. 509,279, May 3; Serial No. 531,272, published Jan. 11, 1949. Class 39.

Weingarten, Murray M., New York, N. Y. Spring upholstery units. 442,592, May 3; Serial No. 499,364, published Jan. 11, 1949. Class 32.

Weisbanm Bros., Brower Company, The, by Beau Brummell Ties, Inc., Cincinnati, Ohio. Men's neckties. 340,093, Nov. 3, 1936. Republished May 3. Class 39.

West Bend Equipment Corporation, West Bend, Wis. Barrel stands and barrel racks. 509,393, May 3; Serial No. 541,899, published Jan. 11, 1949. Class 32.

Western Machine Tool Works, Holland, Mich. Nut tapping machines. 509,230, May 3; Serial No. 520,845, published Dec. 28, 1948. Class 23.

Westinghouse Electric Corporation: *See*—
Sturtevant, B. F., Company.
Westinghouse Electric & Manufacturing Company.

Westinghouse Electric & Manufacturing Company, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric switches. 256,236, renewed May 7, 1949. O. G. May 3. Class 21.

West Point Manufacturing Company, West Point, Ga. Crash, towels, and toweling. 509,351, May 3; Serial No. 537,527, published Dec. 21, 1948. Class 42.

Weyand, B. T., doing business as Weyand & Co., Seattle, Wash. Canned fish. 509,231, May 3; Serial No. 531,537, published Jan. 4, 1949. Class 46.

Weyand & Co.: *See*—
Weyand, B. T.

White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper, paper towels, and paper napkins. 249,780–1, renewed Nov. 20, 1948. O. G. May 3. Class 37.

Whitworth, Henry C., doing business as Whitworth Supply, Scott City, Kans. Cattle chutes of the transportable variety. 442,620, May 3; Serial No. 517,539, published Jan. 4, 1949. Class 23.

Whitworth Supply: *See*—
Whitworth, Henry C.

Whiz Fish Products Company, Seattle, Wash. Canned shellfish and canned fish. 433,061, Sept. 23, 1947. Corrected. O. G. May 3. Class 46.

Wiegand, Edwin L., Company, Pittsburgh, Pa. Temperature indicators, temperature recorders, thermostats, etc. 509,252, May 3; Serial No. 527,869, published Dec. 28, 1948. Class 26.

Wiles, Russell, Jr., doing business as Rig Products Company, Oregon, Ill. Rust inhibiting grease. 509,225, May 3; Serial No. 521,163, published Nov. 30, 1948. Class 15.

Willhelm Lubrication Company, by Mutual Dealers Wholesale Inc., St. Paul, Minn. Canvas and rubber belts and belting. 338,043, Aug. 25, 1936. Republished May 3. Class 35.

Winans, William M., New York, N. Y. Radio receiving sets. 442,635, May 3; Serial No. 524,362, published Jan. 11, 1949. Class 21.

Windsor-Lloyd Products, Inc., Wilmington, Del. Exhaust mufflers. 509,310, May 3; Serial No. 534,705, published Jan. 11, 1949. Class 23.

Winthrop Chemical Company, Inc., to Winthrop-Stearns Inc., New York, N. Y. Sedatives and hypnotics. 255,235, renewed July 2, 1949. O. G. May 3. Class 6.

Winthrop-Stearns Inc.: *See*—
Metz, H. A., Laboratories, Inc.
Winthrop Chemical Company, Inc.

Witt's: *See*—
Craddock-Terry Shoe Corporation.

Wohl, L. & Co.: *See*—
Goldberger, Leo J.

Wohl, L. & Company, Inc.: *See*—
Goldberger, Leo J.

Wolock, Morris, New York, N. Y. Ladies' and misses' shoes. 509,355, May 3; Serial No. 537,958, published Dec. 14, 1948. Class 39.

Woolworth, F. W., Co.: *See*—
Con-Ferro Paint & Varnish Company.

Woolworth, F. W., Co., New York, N. Y. Writing and printing paper and correspondence envelopes. 438,199, Apr. 13, 1948. Republished May 3. Class 37.

Worthington, George, Company, The, Cleveland, Ohio. Bicycles and bicycle frames, forks, handle bars, gripa, etc. 348,582, Aug. 3, 1937. Republished May 3. Class 19.

Worthington, George, Company, The, Cleveland, Ohio. Vernier calipers, vernier height gauges, vernier depth gauges, etc. 349,695, Aug. 31, 1937. Republished May 3. Class 26.

Worthington, George, Company, The, Cleveland, Ohio. Friction tape, rubber tape, glue, etc. 349,696, Aug. 31, 1937. Republished May 3. Class 5.

Yawman and Erbe Mfg. Co., Rochester, N. Y. Filing equipment. 257,362, renewed June 4, 1949. O. G. May 3. Class 37.

Young, B., & Company Limited, London, England. Gelatine. 442,591, May 3; Serial No. 493,874, published Jan. 11, 1949. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Carbon black. Thermatomic Carbon Company. 256,985, renewed May 28, 1949. O. G. May 3.

Cellinlid. Société Chimique des Usines du Rhone Anciennement Gilliard, P. Monnet et Cartier. 123,286, Oct. 22, 1918. Republished May 3.

Coal. Bell & Zoller Coal Company. 356,483, Apr. 26, 1938. Republished May 3.

Coal. Bell & Zoller Coal Company. 357,114–15, May 24, 1938. Republished May 3.

Coal. Bell & Zoller Coal Company. 358,799, July 26, 1938. Republished May 3.

Coal. Bell & Zoller Coal Company. 359,190, Aug. 9, 1938. Republished May 3.

Coal. Bell & Zoller Coal Company. 359,203, Aug. 9, 1938. Republished May 3.

Coal. Bell & Zoller Coal Company. 360,015, Sept. 6, 1938. Republished May 3.

Coal. Bell & Zoller Coal Company. 401,132, Apr. 27, 1943. Republished May 3.

Grains, Seed. Terminal Grain Company. 509,250, May 3; Serial No. 527,023, published Jan. 11, 1949.

Leather. The Griess-Pfleger Tanning Co. 203,728, Sept. 22, 1925. Republished May 3.

Leather. The Griess Pfleger Tanning Co. 221,903, Dec. 14, 1926. Republished May 3.

Leather. The Griess Pfleger Tanning Co. 230,371, July 19, 1927. Republished May 3.

Leathers, Uncut. Pfister and Vogel Leather Company. 69,576–7, June 23, 1908. Republished May 3.

Seed corn. J. I. and C. V. Simpson. 437,546, Mar. 30, 1948. Republished May 3.

Seed, Grass. Katz Drug Company. 347,145, June 15, 1937. Republished May 3.

CLASS 2

Accessories, Closet. Hervey Associates. 442,594, May 3; Serial No. 500,082, published Jan. 18, 1949.

Bags and envelopes, Heat sealable metal foil merchandise. Traver Corporation. 509,479, May 3; Serial No. 516,157.

Bags, Paper. Union Bag & Paper Corporation. 252,651, renewed Feb. 12, 1949. O. G. May 3.

Bottles and cans. Bol, Ltd. 442,587, May 3; Serial No. 489,644, published Jan. 18, 1949.

Boxes. Chicago Carton Company. 509,253, May 3; Serial No. 528,012, published Jan. 18, 1949.

Boxes and cartons, Shipping, shipping bags, etc. The Kalart Company Inc. 442,624, May 3; Serial No. 519,957, published Jan. 25, 1949.

Crates. Cummer Mfg. Co. 74,125, re-renewed June 22, 1949. O. G. May 3.

Envelopes, Merchandise. United States Envelope Company. 442,636, May 3; Serial No. 524,638, published Jan. 18, 1949.

Holders and dispensers, receptacles, Metal. The Menasha Products Company. 293,387, Apr. 19, 1932. Republished May 3.

Linings, Impervious corrosion-resistant plastic. The B. F. Goodrich Company. 442,608, May 3; Serial No. 512,232, published Jan. 11, 1949.

Rings, Finger, necklaces, bracelets, etc. Cohn & Rosenberger, Inc. 268,553, Mar. 18, 1930. Republished May 3.

Training devices composed of a tray and compartmented food dish. Stout-Lindsay, Inc. 442,596, May 3; Serial No. 500,635, published Jan. 11, 1949.

CLASS 3

Handbags, Ladies'. Empress Hand Bag Co., Inc. 509,533, May 3; Serial No. 558,290.

Purses and handbags, Children's. The Newtons. 509,521, May 3; Serial No. 549,651.

Rings, Finger, necklaces, bracelets, etc. Cohn & Rosenberger, Inc. 268,553, Mar. 18, 1930. Republished May 3.

Trunks, suitcases, and traveling bags. Shwayder Bros., Inc. 366,822, May 2, 1939. Republished May 3.

CLASS 4

Cleaner. The Tedlock Company. 509,468, May 3; Serial No. 509,478.

Cleaner both caustic and abrasive, oil soaps, metal polish, nickel paste. Red Spot Paint & Varnish Co. 268,355, Mar. 11, 1930. Republished May 3.

Cleaner, cleanser, and detergent, Sudsing. The Procter & Gamble Company. 438,322–3, Apr. 13, 1948. Republished May 3.

Cleaner, cleanser, and detergent, Sudsing. The Procter & Gamble Company. 438,330, Apr. 13, 1948. Republished May 3.

Cleaner, cleanser, and detergent, Sudsing. The Procter & Gamble Company. 438,342, Apr. 13, 1948. Republished May 3.

Cleaner, cleanser, and detergent, Sudsing. The Procter & Gamble Company. 438,357, Apr. 13, 1948. Republished May 3.

Cleanser. Henry Mitchell. 509,463, May 3; Serial No. 505,848.

Cloths, Chemically-treated. E. C. Walker. 243,695, June 26, 1928. Republished May 3.

Compounds, Cleaning. The Grasselli Chemical Company. 257,094, renewed May 28, 1949. O. G. May 3.

Oils and greases used in stuffing and finishing leather. Sterling Oil Company. 64,179, July 30, 1907. Republished May 3.

Shaving cream and brushless shaving cream. Dasco Products Co., Inc. 331,266, Dec. 31, 1935. Republished May 3.

Soap, perfumery, and toilet preparations. M. Beetham & Son. 32,938, re-renewed May 23, 1949. O. G. May 3.

Washing fluid. California Bleaching Water Co., Inc. 254,269, renewed Mar. 19, 1949. O. G. May 3.

CLASS 5

Adhesive, Liquid. Robeson Process Company. 75,487, Oct. 5, 1909. Republished May 3.

Adhesive, Liquid. Robeson Process Company. 255,202, Apr. 16, 1929. Republished May 3.

Adhesive with rubber or resin base, Liquid. United States Rubber Company. 509,462, May 3; Serial No. 501,098.

Gum, Manufactured. American Gum Products Co., 92,500, July 15, 1913. Republished May 3.

Tape, Friction, rubber tape, glue, etc. The George Worthington Company. 349,696, Aug. 31, 1937. Republished May 3.

CLASS 6

Antacid. G. P. Stine. 509,522, May 3; Serial No. 549,079.

Astringents, astringent cerates, bleach creams, etc. The Boyd Manufacturing Company. 240,185, Mar. 20, 1928. Republished May 3.

Bicarbonate, Sodium, epsom salt, boric acid, cough syrup, etc. Purepac Corporation. 509,502, May 3; Serial No. 537,021.

Chemicals, Organic odoriferous and flavor-imparting, etc. Givaudan-Delawanna, Inc. 509,413, May 3; Serial No. 544,816, published Jan. 11, 1949.
Cleanser, Scalp, and haledressing. Tom's Scalpade, Inc. 509,212, May 3; Serial No. 508,353, published Jan. 18, 1949.
Cosmetics and toilet preparations. Puritan Drug Company. 438,645, May 11, 1948. Republished May 3.
Deodorant. Hillyard Chemical Company. 245,894, Aug. 28, 1928. Republished May 3.
Dyes, Aniline. Orleans Company, Inc. 442,631, May 3; Serial No. 523,798, published Jan. 11, 1949.
Dyes, dyestuffs, and colors. The Newport Company. 252,456, renewed Feb. 5, 1949. O. G. May 3.
Dyestuffs. Geigy Company, Inc. 252,557, renewed Feb. 12, 1949. O. G. May 3.
Extractions, absolutes, concretes, Floral, etc. Fritzsche Brothers, Inc. 434,065, Nov. 4, 1947. Republished May 3.
Hair colors, hair tonics, lotions, etc. M. Langhaus. 441,638, Dec. 21, 1948. Corrected. O. G. May 3.
Hair dressing, shampoo, hand lotion, smelling salts, etc. Otis Clapp & Son, Inc. 430,887, July 1, 1947. Republished May 3.
Insecticide in an oil base. The Dill Company. 509,523, May 3; Serial No. 549,780.
Insecticides. Chase & Co. 299,770, Dec. 20, 1932 Republished May 3.
Iodine tablet for internal use, also liquid and other iodine. National Bio-Chemical Co. 341,205, Dec. 1, 1936. Republished May 3.
Liniment, Therapeutic. McKay Brothers. 353,471, Jan. 11, 1938. Republished May 3.
Liquid material to be used in the mordanting of textiles. Robeson Process Company. 281,831, Mar. 31, 1931. Republished May 3.
Lotion, After shaving, lilac vegetal, antiseptic mouth wash, etc. Dasco Products Co., Inc. 331,026, Dec. 24, 1935. Republished May 3.
Lotion for use after shaving. Floriam Inc. 258,376, July 2, 1929. Republished May 3.
Material used as a tanning extract. Robeson Process Company. 302,550, May 2, 1933. Republished May 3.
Medical preparation. J. L. Denney. 356,354, Apr. 26, 1938. Republished May 3.
Medicament. Vereinigte Chininfabriken, Zimmer & Co., Gesellschaft mit Beschrankter Haftung. 29,467, Jan. 12, 1897. Republished May 3.
Ointment, a miscible cleansing cream, etc. Sargeant Acnoid Pharmaceutical Co. Inc. 259,698, renewed Aug. 6, 1949. O. G. May 3.
Ointment or salve, Healing. The Hark Company. 436,933, Mar. 2, 1948. Republished May 3.
Perfume. Lucien Lelong Inc. 343,540, Feb. 23, 1937. Republished May 3.
Perfume. Lucien Lelong Inc. 509,365, May 3; Serial No. 539,064, published July 6, 1948.
Perfumes. G. Degas. 509,435, May 3; Serial No. 549,909, published Aug. 17, 1948.
Pile remedy. M. C. Gaddy. 509,470, May 3; Serial No. 512,061.
Powders and lotions, balms, and salves, Antiseptic and medicated foot. The Scholl Mfg. Co., Inc. 509,429, May 3; Serial No. 548,418, published Jan. 18, 1949.
Preparation for face beautifier, and rubbing compounds. I. Seric. 442,601, May 3; Serial No. 506,062, published Jan. 18, 1949.
Preparation to relieve gastro-intestinal disorders. Nestle's Milk Products, Inc. 505,305, Dec. 28, 1948. New certificate. O. G. May 3.
Saj soda. Church & Dwight Co., Inc. 257,022, renewed May 28, 1949. O. G. May 3.
Salt tablets. A. F. Parmelee. 509,477, May 3; Serial No. 515,677.
Sedatives and hypnotics. Winthrop Chemical Company, Inc. 258,235, renewed July 2, 1949. O. G. May 3.
Soap, perfumery, and toilet preparations. M. Beetbam & Son. 32,938, re-renewed May 23, 1949. O. G. May 3.
Starch for laundry and bathing purposes. Corn Products Refining Company. 253,866, renewed Mar. 5, 1949. O. G. May 3.
Suppository. University Laboratories, Inc. 254,178, renewed Mar. 12, 1949. O. G. May 3.
Suppository, Effervescent. G. F. Fitzgerald. 255,349, renewed Apr. 23, 1949. O. G. May 3.
Weed killer, Ester form. Centennial Flouring Mills Company. 509,528, May 3; Serial No. 552,117.

CLASS 7

Twine. Tested Papers of America, Inc. 509,517, May 3; Serial No. 547,791.

CLASS 8

Cases, Cigarette. Buxton, Incorporated. 509,406, May 3; Serial No. 544,051, published Jan. 11, 1949.
Cases, Cigarette and cigar, cigarette and cigar holders, etc., and ash trays. Rexon Inc. 509,218, May 3; Serial No. 513,639, published Dec. 28, 1948.
Lighters, Cigarette. Van Cleef & Arpels, Inc. 509,404, May 3; Serial No. 543,763, published Jan. 1, 1949.
Lighters, Pyrophoric. Evans Case Co. 509,211, May 3; Serial No. 507,243, published Dec. 21, 1948.
Pipes, Smoking, cigar holders, cigarette holders, etc. Dasco Import Co., Inc. 161,447, Nov. 14, 1922. Republished May 3.
Pipes, Tobacco, and cigarette holders. Kirsten Pipe Company. 509,209, May 3; Serial No. 506,108, published Jan. 4, 1949.
Pipes, Tobacco, cigar and cigarette tubes and holders. B. B. B. Pipe Co. Inc. 218,141, Sept. 21, 1926. Republished May 3.
Pipes, Tobacco, cigar and cigarette tubes and holders. B. B. B. Pipe Co. Inc. 218,159, Sept. 21, 1926. Republished May 3.
Rings, Finger, necklaces, bracelets, etc. Cohn & Rosenberger, Inc. 268,553, Mar. 18, 1930. Republished May 3.
Tobacco-pipes, cigar and cigarette tubes. Adolph Frankau & Co. Ltd. 53,968, June 19, 1906. Republished May 3.

CLASS 9

Explosives, High. E. I. du Pont de Nemours Powder Company. 74,128, re-renewed June 22, 1949. O. G. May 3.

CLASS 10

Fertilizers. Chase & Co. 299,435, Dec. 6, 1932. Republished May 3.
Fertilizers. Chase & Company. 348,803, Aug. 10, 1937. Republished May 3.
Soil conditioner. J. M. Stevenson. 437,800, Mar. 30, 1948. Republished May 3.

CLASS 12

Adhesive, Liquid. Robeson Process Company. 75,485, Oct. 5, 1909. Republished May 3.
Adhesive, Liquid. Robeson Process Company. 75,487, Oct. 5, 1909. Republished May 3.
Fillers for street pavements, etc. The Philip Carey Manufacturing Company. 90,965, Apr. 8, 1913. Republished May 3.
Houses made of wood, Prefabricated. Texas Housing Company. 509,485, May 3; Serial No. 521,158.
Insulation material, Sound-deadening and thermal. Dry-Zero Corporation. 266,870, Feb. 4, 1930. Republished May 3.
Window construction, Sliding sash-incorporating. The Perfect-Seal-Window Co. of America. 509,513, May 3; Serial No. 544,097.
Wood product used for flooring, fixture, and counter tops, etc. Fulton Construction Company. 509,519, May 3; Serial No. 549,143.

CLASS 13

Anchors, Earth, guy rods, guy fixtures, etc. A. B. Chance Company. 509,333, May 3; Serial No. 536,235, published Jan. 18, 1949.
Brackets, Curtain rod. H. E. Huggins. 438,461, Apr. 20, 1948. Republished May 3.
Chain, Sheet metal. The Bridgeport Chain Company. 72,613, re-renewed Feb. 9, 1949. O. G. May 3.
Chain, Wire. The Bridgeport Chain Company. 73,186, re-renewed Mar. 30, 1949. O. G. May 3.
Chains. Nixdorff-Krein Mfg. Co. 509,214, May 3; Serial No. 509,788, published Jan. 18, 1949.
Hydrants, Darling Valve & Manufacturing Company. 509,325, May 3; Serial No. 535,942, published Jan. 18, 1949.
Key guides for control valves for sprinkler systems. R. W. Thompson. 442,614, May 3; Serial No. 516,099, published Jan. 18, 1949.
Metal ware, Hand hammered nonprecious. Kopper Kraft Industries, Inc. 509,481, May 3; Serial No. 517,364.
Screw anchors. U. S. Expansion Bolt Co. 205,854, Nov. 17, 1925. Republished May 3.
Screws, Hollow set, socket head cap screws, square head set screws, etc. Standard Pressed Steel Company. 301,583, Mar. 7, 1933. Republished May 3.

CLASS 14

Castings, Rough and semifinished iron alloy. United Conveyor Corporation. 284,285, June 23, 1931. Republished May 3.
Steel bars, forgings, blocks, etc. Firth-Sterling Steel Company. 243,330, June 10, 1928. Republished May 3.
Welding rods. J. M. Ragle. 424,355, Oct. 1, 1946. Republished May 3.

CLASS 15

Fuels, Hydrocarbon, and chemically treated lubricating compositions. The Lubri-Zol Corporation. 331,823, Jan. 21, 1936. Republished May 3.
Fuels, Hydrocarbon, and chemically treated lubricating compositions. Lubri-Zol Corporation. 333,757, Apr. 7, 1936. Republished May 3.
Gasolines and lubricating oils. Phillips Petroleum Company. 252,598, renewed Feb. 12, 1949. O. G. May 3.
Grease, Rust inhibiting. R. Wiles, Jr. 509,235, May 3; Serial No. 521,163, published Nov. 30, 1948.
Materials for oiling and top-dressing roads. P. C. Reilly. 73,958, re-renewed June 1, 1949. O. G. May 3.
Oil, Lubricating. H. Myers. 385,309, Feb. 25, 1941. Republished May 3.
Oil, Lubricating. C. J. Opdyke. 442,611, May 3; Serial No. 512,783, published Nov. 30, 1948.

Oil, Motor lubricating, and gun grease. Katz Drug Company. 317,301, Sept. 18, 1934. Republished May 3.
Oils and grease, Lubricating. F. B. Hower. 50,466, Mar. 20, 1906. Republished May 3.
Oils and greases. Sterling Oil Co. 37,230, Oct. 22, 1901. Republished May 3.
Oils and greases, Lubricating. Quaker State Oil Refining Co. 305,468, Aug. 15, 1933. Republished May 3.
Oils and greases, Lubricating. Quaker State Oil Refining Co., Inc. 312,645, May 1, 1934. Republished May 3.
Oils and greases, Lubricating. Quaker State Oil Refining Co. Inc. 316,281, Aug. 21, 1934. Republished May 3.
Oils and greases, Lubricating, fuel and illuminating oils, road oils, etc. Quaker State Oil Refining Company. 336,158-S, June 30, 1936. Republished May 3.
Oils, Lubricating. Enterprise Oil Company, Inc. 331,286, Dec. 31, 1935. Republished May 3.
Oils, Lubricating. Quaker State Oil Refining Co. 279,157, Jan. 6, 1931. Republished May 3.
Oils, Lubricating. Texas Pacific Coal and Oil Company. 257,513, renewed June 11, 1949. O. G. May 3.
Oils, Motor fuel. Phillips Petroleum Company. 295,893, July 19, 1932. Republished May 3.

CLASS 16

Coatings, Protective. The Dampney Company of America. 216,030, Aug. 3, 1926. Republished May 3.
Coatings, Protective paint. The Dampney Company of America. 185,646, Sept. 12, 1922. Republished May 3.
Compounds for preparing the slide surface of skis, these being waxes, tallows, etc. A. Sutter. 509,335, May 3; Serial No. 536,463, published Dec. 21, 1948.
Enamels, Paint, dry paste, and ready-mixed paints, etc. Red Spot Paint & Varnish Company. 210,432, Mar. 16, 1926. Republished May 3.
Enamels, Paint, varnishes, and varnish stains. Con-Ferro Paint & Varnish Company. 344,751, Apr. 6, 1937. Republished May 3.
Lacquers. The Sherwin-Williams Co. 509,382, May 3; Serial No. 540,907, published Jan. 11, 1949.
Lacquers, reducers, ready-mixed paint, and primers. Berry Brothers, Incorporated. 248,522, Oct. 23, 1928. Republished May 3.
Mixture of monocyclic terpene hydrocarbons, Natural. Newport Industries, Inc. 442,628, May 3; Serial No. 520,967, published Jan. 4, 1949.
Paint in liquid and paste form. Kling-Tite Paint Products Company. 509,372, May 3; Serial No. 539,715, published Dec. 28, 1948.
Paint, Liquid. Red Spot Paint & Varnish Co., Inc. 221,225, Nov. 23, 1926. Republished May 3.
Paint, Liquid fire resisting wall finish. Pilcote, Inc. 509,505, May 3; Serial No. 539,346.
Paint stripper. The Diversey Corporation. 509,236, May 3; Serial No. 522,095, published Jan. 4, 1949.
Paints and paint enamels, Ready-mixed. W. W. Lawrence & Company. 509,361, May 3; Serial No. 538,777, published Jan. 4, 1949.
Paints and paint enamels, Ready mixed. Spencer-Adams Paint Co., Inc. 509,422, May 3; Serial No. 546,436, published Jan. 11, 1949.
Paints in paste form. J. F. Kurfees Paint Company. 509,319, May 3; Serial No. 535,564, published Jan. 4, 1949.
Paints, kalcimine, enamels, etc., Dry, ready-mixed and paste. Shapleigh Hardware Company. 509,276, May 3; Serial No. 531,048, published Dec. 14, 1948.
Paints, Ready mixed, varnishes, wood stains, etc. Minnesota Linseed Oil Paint Company. 509,249, May 3; Serial No. 527,599, published Jan. 11, 1949.
Pigment dispersions, pigments, flatting agents for the paint trade, etc. Interchemical Corporation. 442,618, May 3; Serial No. 516,897, published Dec. 28, 1948.
Polish, Floor, and floor dressings. Hillyard Chemical Company. 246,538, Sept. 11, 1928. Republished May 3.
Polish, Liquid floor. Fox Products Co. 442,633, May 3; Serial No. 524,061, published Dec. 28, 1948.
Polishes and waxes, etc., Liquid and paste. Red Spot Paint & Varnish Co., Inc. 221,228, Nov. 23, 1926. Republished May 3.
Varnish, Oleoresinous. Socony-Vacuum Oil Company, Incorporated. 442,637, May 3; Serial No. 525,413, published Dec. 28, 1948.
Varnish, stain, combination of varnish and stain, and paint enamel. Berry Brothers, Incorporated. 248,521, Oct. 23, 1928. Republished May 3.
Varnishes. W. W. Lawrence & Company. 509,360, May 3; Serial No. 538,775, published Dec. 28, 1948.
Wax finish. U. S. Sanitary Specialties Corporation. Serial No. 531,633, published Sept. 28, 1948.
Wax for floors. Franklin Research Company. 509,405, May 3; Serial No. 543,806, published Dec. 28, 1948.

CLASS 17

Cigarettes. Stephano Brothers. 509,433, May 3; Serial No. 549,592, published Dec. 28, 1948.
Cigarettes, cigars, smoking tobacco, and chewing tobacco. W. R. Allen. 67,773, Feb. 18, 1908. Republished May 3.
Cigars. Webster Eisenlohr, Inc. 332,408, Feb. 18, 1936. Republished May 3.
Cigars. Jose Escalante & Co. 509,295, May 3; Serial No. 532,935, published Dec. 28, 1948.
Cigars. H. Fendrich. 72,615, re-renewed Feb. 9, 1949. O. G. May 3.
Cigars. Annie Gradias & Co., Inc. 509,440, May 3; Serial No. 552,310, published Jan. 4, 1949.
Cigars. Frank P. Lewis Cigar Co. 254,928, renewed Apr. 2, 1949. O. G. May 3.
Cigars. P. Lorillard Company. 442,630, May 3; Serial No. 525,631, published Jan. 4, 1949.
Cigars. P. Lorillard Company. 509,358, May 3; Serial No. 538,553, published Jan. 11, 1949.
Cigars and little cigars. Mi Favorita Cigar Co., Inc. 109,022, Mar. 14, 1916. Republished May 3.
Tobacco and tobacco products. Larus & Brother Company, Inc. 509,436, May 3; Serial No. 550,331, published Dec. 28, 1948.
Tobacco, Smoking. The BBB Company, Limited. 341,943, Dec. 29, 1936. Republished May 3.
Tobacco, Smoking. E. A. Kolpin, Jr. 509,432, May 3; Serial No. 540,449, published Dec. 28, 1948.
Tobacco, Smoking. John Sinclair Limited. 158,812, Sept. 12, 1922. Republished May 3.

CLASS 19

Bicycles and bicycle frames, forks, handle bars, grips, etc. The George Worthington Company. 348,582, Aug. 3, 1937. Republished May 3.
Braking mechanisms and parts, Friction, recoil checks, shock-absorbing mechanisms. John Warren Watson Company. 249,591, Nov. 20, 1928. Republished May 3.

CLASS 21

Agitating and paper aligning machines, Electrically operated. M. L. Abrams Company. 442,603, May 3; Serial No. 506,720, published Dec. 21, 1948.
Batteries, Electric storage. Solar Corporation. 509,403, May 3; Serial No. 543,756, published Jan. 4, 1949.
Batteries, Storage. Delco-Remy Corporation. 253,644, renewed Mar. 5, 1949. O. G. May 3.
Blankets, Electrical. M. Shoeld. 509,243, May 3; Serial No. 526,681, published Dec. 21, 1948.
Cells, Dry primary. National Carbon Company, Inc. 509,456, May 3; Serial No. 567,595, published Jan. 11, 1949.
Coating compound, Electrical insulating liquid. R. A. Hood. 509,465, May 3; Serial No. 506,044.
Coil and condenser assemblies. Automatic Manufacturing Corporation. 509,336, May 3; Serial No. 536,482, published Dec. 21, 1948.
Condensers, Electrical. Sprague Specialties Co. 313,293, May 22, 1934. Republished May 3.
Condensers, Electrolytic, electrostatic condensers, electrical filters, etc. Sprague Electric Company. 509,306, May 3; Serial No. 534,482, published Dec. 21, 1948.
Control equipment for use in electrical communication service. The Daven Company. 509,244, May 3; Serial No. 526,829, published Dec. 28, 1948.
Disintegrator and mixer, Electrical, electrical steam irons. Waring Products Corporation. 509,471, May 3; Serial No. 512,139.
Electrical apparatus. The Rajah Company. 509,372, May 3; Serial No. 530,811, published Jan. 18, 1949.
Eliminators, Battery. Briggs & Stratton Corporation. 226,247, renewed Apr. 5, 1947. O. G. May 3.
Fans, Electric. The O. A. Sutton Corporation, Inc. 506,417, May 3; Serial No. 545,558, published Dec. 28, 1948.
Flashlights and batteries. Barney & Berry, Inc. 253,320, renewed Feb. 26, 1940. O. G. May 3.
Flood lights, Electrical. S & M Lamp Co., Incorporated. 509,353, May 3; Serial No. 537,736, published Dec. 21, 1948.
Fuse switches. J. R. Kearney Corporation. 509,305, May 3; Serial No. 534,451, published Jan. 11, 1949.
Fuses and fuse links. James R. Kearney Corporation. 509,352, May 3; Serial No. 537,704, published Jan. 11, 1949.
Generators and spare parts, etc., Motorcycle. Harley-Davidson Motor Company. 509,282, May 3; Serial No. 531,586, published Jan. 11, 1949.
Generators, Internal combustion engine-driven electrical. Radio Corporation of America. 509,421, May 3; Serial No. 546,126, published Dec. 21, 1948.
Glass tubing pre-coated with fluoreacent chemicals. General Luminescent Corporation. 442,598, May 3; Serial No. 503,362, published Dec. 21, 1948.
Heat devices, Electrical. Electric Heat Devices, Inc. 509,474, May 3; Serial No. 515,165.
Heaters, Automatic electric water. R. H. Crane. 509,343, May 3; Serial No. 537,017, published Dec. 21, 1948.
Insulation, Electrical. General Electric Company. 255,500, renewed Apr. 23, 1949. O. G. May 3.
Insulators, Electric. Illinois Electric Porcelain Company. 509,294, May 3; Serial No. 532,934, published Dec. 21, 1948.
Irons, Electric. Proctor Electric Company. 509,293, May 3; Serial No. 532,874, published Dec. 28, 1948.
Lamps, bulbs, Fluoreacent, fluorescent lighting fixtures and parts therefor, etc. Electro Manufacturing Corporation. 509,498, May 3; Serial No. 535,692.
Lamps for electric outlets, Luminous plug. Littelfuse Incorporated. 509,459, May 3; Serial No. 489,520.
Lens, Fog. B. L. Latonsek. 442,638, May 3; Serial No. 525,607, published Jan. 11, 1949.
Lighting fixtures, Electric. Eastern Fixture Company. 509,304, May 3; Serial No. 534,423, published Jan. 11, 1949.

Lighting fixtures, Fluorescent. C. Barton. 509,232, May 3; Serial No. 520,922, published Dec. 21, 1948.
Machines and apparatus, Electrical. Electric Machinery Mfg. Company. 509,410, May 3; Serial No. 544,556, published Dec. 21, 1948.
Machines and apparatus, Electrical. Electric Machinery Mfg. Company. 509,411, May 3; Serial No. 544,557, published Dec. 21, 1948.
Motors, Electric. Barber-Colman Company. 509,292, May 3; Serial No. 532,796, published Dec. 21, 1948.
Motors, Electric. Dynamatic Corporation. 509,248, May 3; Serial No. 527,434, published Jan. 18, 1949.
Motors, Electric, electric welders and parts thereof. Rockwell Manufacturing Company. 509,399, May 3; Serial No. 542,659, published Jan. 4, 1949.
Piezoelectric crystal elements. The Brush Development Company. 509,506, May 3; Serial No. 540,378.
Piezoelectric crystals. The Brush Development Company. 509,247, May 3; Serial No. 537,410, published Dec. 28, 1948.
Racks, Relay, desk panels, cabinet racks, etc. Par-Metal Products Corp. 509,416, May 3; Serial No. 545,388, published Dec. 28, 1948.
Radio apparatus. Motorola, Inc. 509,238, May 3; Serial No. 523,407, published Jan. 11, 1949.
Radio interference filters. Sprague Products Company. 509,200, May 3; Serial No. 485,799, published Jan. 11, 1949.
Radio receivers. Avco Manufacturing Corporation. 509,258, May 3; Serial No. 528,883, published Dec. 21, 1948.
Radio receiving sets. W. M. Winans. 442,635, May 3; Serial No. 524,362, published Jan. 11, 1949.
Radio receiving sets, combination radio receiving sets and phonographs, radio chassis, etc. Midwest Radio Corporation. 509,313, May 3; Serial No. 535,063, published Jan. 18, 1949.
Rectifiers, Electric current. Benwood-Linze Company. 509,428, May 3; Serial No. 547,379, published Jan. 4, 1949.
Resistance devices, Variable. Globe-Union Inc. 509,420, May 3; Serial No. 545,980, published Dec. 28, 1948.
Resistors, Electrical. Sprague Products Company. 365,238, Feb. 28, 1939. Republished May 3.
Signs, Electrical advertising. Charles L. Dwinell Co. 509,516, May 3; Serial No. 545,971.
Sound equipment. Ehrington Mfg. Corp. 509,407–8, May 3; Serial No. 544,339–40, published Jan. 4, 1949.
Spark plugs, and parts therefor, Automotive and gas engine. Stitt Ignition Company. 509,224, May 3; Serial No. 518,170, published Dec. 21, 1948.
Stoves, Electric. Cory Corporation. 509,301, May 3; Serial No. 534,091, published Jan. 4, 1949.
Switchboards, Electrical, convection-type electrical air heaters, electric pumping-plant panel boards, etc. J. L. Mitchell. 257,781, renewed June 18, 1949. O. G. May 3.
Switches, Electric. Westinghouse Electric & Manufacturing Company. 256,236, renewed May 7, 1949. O. G. May 3.
Tools, Portable electric. The Black & Decker Manufacturing Company. 442,581, May 3; Serial No. 484,438, published Jan. 11, 1949.
Tubes, Electron. Radio Corporation of America. 509,402, May 3; Serial No. 543,522, published Jan. 4, 1949.
Tubes, Radio and electronic. Standard Arcturus Corporation. 509,385, May 3; Serial No. 541,217, published Jan. 11, 1949.
Turn-tables, Electric. The Alliance Manufacturing Company. 509,394, May 3; Serial No. 541,904, published Jan. 11, 1949.
Vacuum cleaners, Domestic. The Thompson Manufacturing Co. 509,346, May 3; Serial No. 537,372, published Dec. 21, 1948.
Wire and cable, Electrical. John A. Roebling's Sons Company. 509,423, May 3; Serial No. 546,610, published Dec. 21, 1948.
Wire and cable, Electrical. John A. Roebling's Sons Company. 509,424, May 3; Serial No. 546,612, published Dec. 21, 1948.
Wire and cable, Electrical. John A. Roebling's Sons Company. 509,425, May 3; Serial No. 546,615, published Dec. 21, 1948.

CLASS 22

Fishing lines, Fly casting. Norwich Line Company, Inc. 438,598, May 4, 1948. Republished May 3.
Gloves, Leather, leather, kid, lamb, and cape dress gloves, leather work gloves and baseball mitts. Des Moines Glove & Mfg. Company, Inc. 162,060, Dec. 5, 1922. Republished May 3.
Golf shafts. The Kroydon Company. 258,268, renewed July 2, 1949. O. G. May 3.
Rolling toy. C. Schindler. 136,015, Nov. 2, 1920. Republished May 3.
Toy animals, toy wagons, toy army tanks, etc. Binky Baby Products Company. 406,918, Sept. 5, 1944. Republished May 3.

CLASS 23

Augers, auger bits, machine bits, etc. The W. A. Ives Manufacturing Co. 73,964, re-renewed June 1, 1949. O. G. May 3.
Ax, ads, pick handles, etc. Hartwell Brothers. 176,657, Nov. 27, 1923. Republished May 3.
Ax, ads, pick, sledge, maul, hammer and hatchet handles, etc. Hartwell Brothers. 176,675–8, Nov. 27, 1923. Republished May 3.
Ax, ads, pick, sledge, maul, hammer and hatchet handles, etc. Hartwell Brothers. 179,647, Feb. 12, 1924. Republished May 3.
Ax, ads, pick, sledge, maul, hammer and hatchet handles, etc. Hartwell Brothers. 183,848, May 6, 1924. Republished May 3.
Ax, ads, pick, sledge, maul handles, etc. Hartwell Brothers. 176,653, Nov. 27, 1923. Republished May 3.
Ax, ads, pick, sledge, maul handles, etc. Hartwell Brothers. 176,655, Nov. 27, 1923. Republished May 3.
Ax, ads, pick, sledge, maul, etc. Hartwell Brothers. 176,663, Nov. 27, 1923. Republished May 3.
Axe heads. Hartwell Brothers. 240,278, Mar. 20, 1928. Republished May 3.
Band-strapping and box tying equipment. Harvey Machine Co., Inc. 442,579, May 3; Serial No. 479,126, published Jan. 11, 1949.
Bearings, Ball, and roller bearings. Aetna Ball & Roller Bearing Company. 509,322, May 3; Serial No. 535,670, published Jan. 11, 1949.
Bearings, bushings, tubular spacers. National Formetal Company, Inc. 509,461, May 3; Serial No. 495,683.
Blocking machine, Hat. Victory Hat Block Company. 509,261, May 3; Serial No. 529,116, published Jan. 4, 1949.
Centrifugal fans, propeller fans, blowers, etc. B. F. Sturtevant Company. 257,270, renewed June 4, 1949. O. G.
Centrifuges, Industrial. Merco Centrifugal Co. 509,271–2, May 3; Serial Nos. 530,540–1, published Jan. 11, 1949.
Chutes, Cattle, of the transportable variety. H. C. Whitworth. 442,620, May 3; Serial No. 517,530, published Jan. 4, 1949.
Clubs, Brakemen's, rammer rods, and handles for axes, hatchets, etc. Hartwell Brothers. 240,683, Apr. 3, 1928. Republished May 3.
Clutches, Friction. Dodge Manufacturing Corporation. 509,245, May 3; Serial No. 526,991, published Jan. 4, 1949.
Colloid mills, homogenizers, grinders, etc. Premier Mill Corporation. 442,584, May 3; Serial No. 486,810, published Jan. 4, 1949.
Control mechanism applied to a honing machine, Fluid actuated size. Micromatic Hone Corporation. 509,256, May 3; Serial No. 528,354, published Jan. 11, 1949.
Conveyors of all kinds, Underground mining, etc. La-Del Conveyor & Manufacturing Company. 437,419, Mar. 23, 1948. Republished May 3.
Device for crushing, screening, loading and handling rock and similar materials, etc. Universal Crusher Company. 394,436, Apr. 7, 1942. Republished May 3.
Egg beaters; mixer churns; beverage beaters; etc. United Royalties Corporation. 509,225, May 3; Serial No. 518,443, published Dec. 28, 1948.
Feeders, Can washer solution, and disinfectant sprayers. The Diversey Corporation. 509,284, May 3; Serial No. 531,779, published Dec. 28, 1948.
Grading machines, Potato. Lockwood Grader Corporation. 509,486, May 3; Serial No. 516,426.
Grinding machines, Vertical spindle, surface. The Blanchard Machine Company. 509,274, May 3; Serial No. 530,918, published Jan. 11, 1949.
Handles for cutlery, Plastic. Camillus Cutlery Company. 442,612, May 3; Serial No. 513,925, published Jan. 20, 1948.
Handles for tools. Hartwell Brothers. 309,040–1, Dec. 20, 1933. Republished May 3.
High voltage apparatus, Mobile electrical. The Apco Corporation. 442,625, May 3; Serial No. 520,248, published Dec. 28, 1948.
Hydraulic lift and adjustable platform, Combined. Rotary Lift Company. 509,203, May 3; Serial No. 494,125, published Jan. 11, 1949.
Hydraulic power units. Geo. D. Roper Corporation. 442,597, May 3; Serial No. 501,475, published Jan. 11, 1949.
Icing machines. Basic Foods Sales Corp. 438,478, Apr. 20, 1948. Republished May 3.
Kitchen implement. The Delsam Co. 509,532, May 3; Serial No. 550,077.
Lathes, Metal working. Lehmann Machine Company. 509,511, May 3; Serial No. 542,600.
Lubricant-dispensing apparatus, Stationary. Lincoln Engineering Company. 509,207–8, May 3; Serial Nos. 505,505–6, published Jan. 4, 1949.
Machine for feeding stationery through a business machine. Uarco Incorporated. 509,201, May 3; Serial No. 532,766, published Jan. 11, 1949.
Machines for soil preparation, pulverizing and packing, etc. Brillion Iron Works, Inc. 509,491, May 3; Serial No. 532,210.
Mufflers, Exhaust. Windsor-Lloyd Products, Inc. 509,310, May 3; Serial No. 534,705, published Jan. 11, 1949.
Nut tapping machines. Western Machine Tool Works. 509,230, May 3; Serial No. 520,845, published Dec. 28, 1948.
Pistons, piston pins, piston pin bushings, etc. National Automotive Parts Association. 351,349, Oct. 26, 1937. Republished May 3.

Power operated lift trucks, cargo loaders, roller conveyors, etc. Cargair, Inc. 442,583, May 3; Serial No. 485,192, published Jan. 11, 1949.
Pumps, Centrifugal. American-Marsh Pumps, Inc. 509,280, May 3; Serial No. 531,419, published Jan. 11, 1949.
Pumps, Hydraulic, hydraulic presses, hydraulic kiln car propellers, etc. The Denison Engineering Company 396,777, Aug. 4, 1942. Republished May 3.
Pumps, Reciprocating piston type water well. The Leriv Corporation. 509,276, May 3; Serial No. 530,943, published Jan. 11, 1949.
Razor blades. The Fair. 509,380, May 3; Serial No. 540,532, published Jan. 11, 1949.
Razors. Jean Jordeau, Inc. 248,051, Oct. 16, 1928. Republished May 3.
Razors and razor blades. Katz Drug Company. 328,150, Sept. 17, 1935. Republished May 3.
Shovels, scoops, and spades. Magor Car Corporation. 509,484, May 3; Serial No. 519,881.
Stamps, Special steel, embossing and marking dies, etc. Cadillac Stamp Company, Inc. 242,771, June 5, 1928. Republished May 3.
Textile machinery. McGlynn Hays Industries, Inc. 509,316, May 3; Serial No. 535,417, published Jan. 11, 1949.
Tire inflation and fire extinguishing unit. Power-Pak Products, Inc. 442,621, May 3; Serial No. 517,586, published Jan. 11, 1949.
Tools. American Grinder Manufacturing Co. 212,682, May 11, 1926. Republished May 3.
Tools and parts thereof. Ames Shovel and Tool Company. 258,346–7, renewed July 2, 1949. O. G. May 3.
Tools in the nature of tongs, Food handling and serving. The Dill Manufacturing Company. 509,287, May 3; Serial No. 532,388, published Jan. 11, 1949.
Trucks, Power operated industrial material handling. Clark Equipment Company. 509,255, May 3; Serial No. 528,261, published Jan. 4, 1949.
Wrenches and wrench parts. Efco Manufacturing, Inc. 442,626, May 3; Serial No. 520,689, published Dec. 28, 1948.
Wrenches, Pipe. Walworth Company. 509,206, May 3; Serial No. 505,020, published Nov. 30, 1048.

CLASS 24

Devices, Holding. C. A. May. 442,580, May 3; Serial No. 482,998, published Jan. 4, 1949.
Drying frames. Queen Manufacturing Co., Inc. 509,223, May 3; Serial No. 518,037, published Dec. 28, 1948.
Laundry appliances. Butts Manufacturing Co. 509,326, May 3; Serial No. 536,042, published Jan. 11, 1949.
Laundry machinery and equipment. Devere Company. 509,234, May 3; Serial No. 521,120, published Jan. 4, 1949.
Protector, Button, and/or like pad for use in laundering and dry cleaning and other machines. Manitowoc Cotton Goods Mfg. Co. 509,390, May 3; Serial No. 541,852, published July 23, 1948.
Washing machines, Laundry. The Barton Corporation. 374,109, Jan. 2, 1940. Republished May 3.

CLASS 26

Apparatus for determining the angular relation between the axes of vehicle wheels. A. A. Friestedt. 509,233, May 3; Serial No. 521,010, published Jan. 18, 1949.
Apparatus for the testing and training of vision. Keystone View Company. 442,622, May 3; Serial No. 517,853, published Dec. 28, 1948.
Callpers, Veruier, vernier height gauges, vernier depth gauges, etc. The George Worthington Company. 349,995, Aug. 31, 1937. Republished May 3.
Computing machines, Multiple-key-operated, also combined computing and typewriting machines. Underwood Corporation. 509,354, May 3; Serial No. 537,953, published Jan. 4, 1949.
Device adapted for manual setting and disposed at a point remote from an evaporative comer, etc. A. S. Feinberg. 442,604, May 3; Serial No. 509,083, published Dec. 28, 1948.
Dispensers, Coffee cream. K. Hughes. 509,414, May 3; Serial No. 544,866, published Jan. 11, 1949.
Gages, Drill, multi-use rule and gage, protractors, etc. General Hardware Mfg. Co. Inc. 509,227, May 3; Serial No. 519,015, published Jan. 11, 1949.
Gauges, Indicating. Rochester Manufacturing Co., Inc. 442,609, May 3; Serial No. 512,345, published July 27, 1948.
Indicators, Temperature, temperature recorders, thermostats, etc. Edwin L. Wiegand Company. 509,252, May 3; Serial No. 527,660, published Dec. 28, 1948.
Lenses, Contact. Noel O. Stimson. 509,467, May 3; Serial No. 509,252.
Measuring and dispensing apparatus. Bowser, Inc. 509,199, May 3; Serial No. 479,328, published Jan. 11, 1949.
Meter for measuring and indicating the flow of fluids. Selas Corporation of America. 509,242, May 3; Serial No. 526,649, published Dec. 14, 1948.
Meters, Granberg Equipment, Inc. 442,586, May 3; Serial No. 487,017, published Dec. 28, 1948.
Meters, Oscillating type. Rockwell Manufacturing Company. 509,219, May 3; Serial No. 514,432, published Jan. 11, 1949.
Microscope electric light source. Clay-Adams Company, Inc. 509,237, May 3; Serial No. 523,023, published Jan 11, 1949.
Optical goods. S. Cohen. 509,348, May 3; Serial No. 537,424, published Jan. 11, 1949.
Photographic developing papers. The Haloid Company. 509,254, May 3; Serial No. 528,207, published Dec. 28, 1948.
Projector, Still film strip. C. H. Dunning. 442,500, May 3; Serial No. 504,826, published Jan. 4, 1949.
Recording equipment, 16 mm. sound-on-motion picture film. Berndt-Bach, Incorporated. 509,314, May 3; Serial No. 535,122, published Jan. 11, 1949.
Rules, Measuring. The Stanley Works. 250,616, renewed Aug. 6, 1949. O. G. May 3.
Scales, Weighing. Continental Scale Corporation. 509,289, May 3; Serial No. 532,567, published Dec. 28, 1948.
Scales, Weighing. Rock-Ola Manufacturing Corporation. 509,383, May 3; Serial No. 541,061, published Dec. 28, 1948.
Slip covers for—namely, adding machines, listing machines, calculating machines, etc. Burroughs Adding Machine Company. 509,202, May 3; Serial No. 492,306, published Jan. 11, 1949.
Switches, Thermostatically-controlled electric. Iron Fireman Manufacturing Company. 375,397, Feb. 20, 1940. Republished May 3.
Telescopes, supporting bases and parts thereof. O. F. Mossberg & Sons, Inc. 509,231, May 3; Serial No. 520,883, published Jan. 11, 1949.
Testing, Vacuum tube, and battery testing instruments. Precision Apparatus Co., Inc. 509,241, May 3; Serial No. 526,607, published Dec. 21, 1948.
Thermostats, thermostatic temperature regulators, thermostatic water mixers, etc. Robertshaw-Fulton Controls Company. 509,419, May 3; Serial No. 545,895, published Jan. 4, 1949.

CLASS 28

Rings, Finger, necklaces, bracelets, etc. Cohn & Rosenberger, Inc. 268,553, Mar. 18, 1930. Republished May 3.

CLASS 29

Brooms and mops. W. J. Lorenz. 509,492, May 3; Serial No. 533,232.

CLASS 32

Cabinets, Empty record. Eckenroth & Co. Inc. 442,623, May 3; Serial No. 518,523, published Jan. 11, 1949.
Cabinets, Filing, and filing cabinet drawers. Acme Visible Records, Inc. 509,389, May 3; Serial No. 541,762, published Jan. 11, 1949.
Furniture, Living room, dining room furniture and bedroom furniture. Fairfield Industries. 509,449, May 3; Serial No. 554,880, published Jan. 11, 1949.
Mechanical devices for sofa beds. The Seng Company. 509,388, May 3; Serial No. 541,582, published Jan. 11, 1949.
Mirrors, Small portable, and illuminated mirrors. Bag-O-Lite Ltd. 509,332, May 3; Serial No. 536,218, published Jan. 4, 1949.
Pillows and cushions. L. Buchman Co., Inc. 257,815, renewed June 11, 1949. O. G. May 3.
Racks or fixtures, Display, for displaying necktles. R. Dishman. 509,427, May 3; Serial No. 547,105, published Jan. 11, 1949.
Shades, Cloth window. Stewart Hartshorn Company. 509,500, May 3; Serial No. 536,308.
Shades, Cloth window, and Venetian blinds. Gertz and Cook, Inc. 509,349, May 3; Serial No. 537,447, published Jan. 11, 1949.
Springs, Box, pillows, sofa beds, etc. Arnold W. Becker & Co., Inc. 509,397, May 3; Serial No. 542,512, published Jan. 11, 1949.
Stands, Barrel, and barrel racks. West Bend Equipment Corporation. 509,393, May 3; Serial No. 541,899, published Jan. 11, 1949.
Units, Spring upholstery. M. M. Weingarten. 442,592, May 3; Serial No. 409,364, published Jan. 11, 1949.

CLASS 33

Bottles made of glass, Prescription. Obear-Nester Glass Co. 231,759, Aug. 23, 1927. Republished May 3.

CLASS 34

Burners, Automatic coal. Iron Fireman Manufacturing Company. 268,300, Mar. 11, 1930. Republished May 3.
Burners, Automatic coal. Iron Fireman Manufacturing Company. 275,093, Sept. 16, 1930. Republished May 3.
Burners, Automatic coal. Iron Fireman Manufacturing Company. 277,425, Nov. 11, 1930. Republished May 3.
Burners, Automatic coal. Iron Fireman Manufacturing Company. 290,844, Jan. 19, 1932. Republished May 3.
Burners, Automatic coal. Iron Fireman Manufacturing Company. 297,251, Sept. 6, 1932. Republished May 3.
Burners, Automatic coal. Iron Fireman Manufacturing Company. 325,237, June 18, 1935. Republished May 3.
Burners, Automatic coal. Iron Fireman Manufacturing Company. 346,069, May 18, 1937. Republished May 3.
Burners, Automatic coal. Iron Fireman Manufacturing Company. 346,342, Aug. 24, 1937. Republished May 3.

Burners. Automatic coal. Portland Wire & Iron Works. 195,811, Mar. 3, 1925. Republished May 3.
Furnaces, Coal and oil burning, air conditioners, etc. Iron Fireman Manufacturing Company. 381,423, Sept. 24, 1940. Republished May 3.
Furnaces, Fluid burning gravity floor. The Coleman Lamp and Stove Company. 388,544, July 1, 1941. Republished May 3.

CLASS 35

Belt, Solid interwoven. Victor Balata & Textile Belting Co. 259,750, renewed Aug. 6, 1949. O. G. May 3.
Belting and hose. New York Belting and Packing Company, Limited. 73,228, re-renewed Mar. 30, 1949. O. G. May 3.
Belts and belting, Canvas and rubber. Willheim Lubrication Company. 338,043, Aug. 25, 1936. Republished May 3.
Belts, Laminated driving. H. Brammer & Company Limited. 509,205, May 3; Serial No. 501,561, published Jan. 18, 1949.
Friction elements for brakes and clutches; fan belts, radiator hose, etc. American Brake Shoe Company. 509,229, May 3; Serial No. 520,070, published Jan. 18, 1949.
Hose composed of rubber or rubber and fabric. Peerless Rubber Manufacturing Company. 72,665, re-renewed Feb. 9, 1949. O. G. May 3.
Tires. The Kelly-Springfield Tire Company. 509,445, May 3; Serial No. 553,374, published Jan. 18, 1949.
Tires, Rubber. Atlas Supply Company. 509,443, May 3; Serial No. 552,631, published Jan. 18, 1949.

CLASS 36

Mouth-pieces and reeds. D. S. Reinhardt. 442,585, May 3; Serial No. 486,812, published Jan. 8, 1949.
Ocarinas. The Fred. Gretsch Mfg. Co. 248,799, Oct. 30, 1928. Republished May 3.
Phonograph records, Mechanically grooved. E. R. Lewis. 509,296, May 3; Serial No. 533,035, published Jan. 11, 1949.
Strings for musical instruments. National Musical String Co. 81,021, Feb. 21, 1911. Republished May 3.
Strings for musical instruments. National Musical String Co. 88,511, Sept. 24, 1912. Republished May 3.
Strings for musical instruments. National Musical String Co. 370,761, Sept. 5, 1939. Republished May 3.

CLASS 37

Equipment, Filing. Yawman and Erbe Mfg. Co. 257,362, renewed June 4, 1949. O. G. May 3.
Napkins, Folded paper. National Paper Napkin Mfg. Co. 509,494, May 3; Serial No. 534,655.
Paper specialties, Decorative. Trims Company, Inc. 408,609, Aug. 22, 1944. Republished May 3.
Paper, Toilet, paper towels, and paper napkins. Whiteway Washburne Company, Inc. 249,780–1, renewed Nov. 20, 1948. O. G. May 3.
Paper, Waxed and unwaxed, paper tablecloths, paper napkins, etc. The Menasha Products Company. 291,790, Feb. 23, 1932. Republished May 3.
Paper, Writing and printing, and correspondence envelopes. F. W. Woolworth Co. 438,199, Apr. 13, 1948. Republished May 3.
Pens, Ball point. The Chapel Products Company. 509,490, May 3; Serial No. 520,702.

CLASS 38

Books and publications, Printed. G. W. Adams, C. E. Heitman, N. E. Ritchie, W. S. Booth, F. L. Jandron, and J. E. Fernald. 403,487, Sept. 28, 1943. Republished May 3.
Comic strip and a magazine, or publication. Fawcett Publications, Inc. 403,457, Sept. 28, 1943. Republished May 3.
Fiction and news detective story magazine, Monthly. Real Detective Tales, Inc. 294,606, June 7, 1932. Republished May 3.
House organ. Iron Fireman Manufacturing Company. 433,002, Sept. 23, 1947. Republished May 3.
Magazine. National Broadcasting Company, Inc. 509,392, May 3; Serial No. 541,874, published Jan. 11, 1949.
Magazine. Temple Topics. 509,439, May 3; Serial No. 551,339, published Jan. 4, 1949.
Monthly Magazine. John Morrell & Co. 195,252, Feb. 17, 1925. Republished May 3.
Newspapers. The Chicago Daily News, Inc. 248,551, Oct. 23, 1928. Republished May 3.
Periodical. Fawcett Publications, Inc. 402,167, July 6, 1943. Republished May 3.
Periodical. Hercules Powder Company. 509,434, May 3; Serial No. 549,731, published Dec. 21, 1948.
Periodical, Monthly. Fawcett Publications, Inc. 390,644, Sept. 30, 1941. Republished May 3.
Periodical published twice each month. American Aviation Associates, Inc. 509,267, May 3; Serial No. 529,848, published Dec. 21, 1948.
Publication. Equipment Digest Publishing Company. 509,384, May 3; Serial No. 536,356, published Jan. 11, 1949.
Publication. Fawcett Publications, Inc. 386,287, Apr. 1, 1941. Republished May 3.
Publication. Fawcett Publications, Inc. 388,555, July 1, 1941. Republished May 3.
Publication, Monthly. The Corporation Trust Company. 105,219, Feb. 17, 1925. Republished May 3.
Publications. National Automotive Parts Association. 352,790, Dec. 14, 1937. Republished May 3.

CLASS 39

Apparel for men, women, and children. Marlboro Shirt Company, Inc. 442,590, May 3; Serial No. 494,855, published Apr. 27, 1948.
Aprons or dresses for women and children, Wash, wrap-around. H. W. Shick. 509,503, May 3; Serial No. 537,947.
Bathing suits, sweaters, and knit and woven underwear for males. Robert Reis & Co. 253,712, renewed Mar. 5, 1949. O. G. May 3.
Belts, Ladies' washable cloth. E. Bergman. 509,527, May 3; Serial No. 552,113.
Blouses, Children's. J. Jacobs. 509,401, May 3; Serial No. 543,456, published Jan. 11, 1949.
Boots. Goodall Rubber Company. 509,356, May 3; Serial No. 538,120, published Dec. 14, 1948.
Boots and shoes. International Shoe Company. 257,795, renewed June 18, 1949. O. G. May 3.
Boots and shoes. Shields Slipper Corporation. 442,619, May 3; Serial No. 517,170, published Dec. 21, 1948.
Caps, Coiffure retaining, protectors for the hair, caps, etc. Aviatrix Co. 442,589, May 3; Serial No. 494,004, published Dec. 14, 1948.
Chemises, pajamas, dresses, etc., Ladies'. I. Schneierson & Sons, Inc. 404,058, Nov. 2, 1943. Republished May 3.
Chemises, pajamas, dresses, etc., Ladies'. I. Schneierson & Sons, Inc. 416,516, Sept. 18, 1945. Republished May 3.
Chemises, pajamas, dresses, princess slips, etc., Ladies'. I. Schneierson & Sons, Inc. 407,105–6, May 16, 1944. Republished May 3.
Chemises, pajamas, dresses, princess slips, etc., Ladies'. I. Schneierson & Sons, Inc. 412,186–7, Feb. 20, 1945. Republished May 3.
Chemises, pajamas, dresses, princess slips, etc., Ladies'. I. Schneierson & Sons, Inc. 412,444, Mar. 6, 1945. Republished May 3.
Chemises, princess slips, bloomers, etc., Ladies'. I. Schneierson & Sons, Inc. 288,551, Nov. 3, 1931. Republished May 3.
Chemises, princess slips, bloomers, etc., Ladies'. I. Schneierson & Sons, Inc. 290,053, Dec. 22, 1931. Republished May 3.
Chemises, princess slips, bloomers, etc., Ladies'. I. Schneierson & Sons, Inc. 321,305, Jan. 29, 1935. Republished May 3.
Chemises, princess slips, bloomers, etc., Ladies'. I. Schneierson & Sons, Inc. 322,017, Mar. 26, 1935. Republished May 3.
Chemises, princess slips, bloomers, etc., Ladies'. I. Schneierson & Sons, Inc. 333,605, Mar. 31, 1936. Republished May 3.
Chemises, princess slips, bloomers, etc., Ladies'. I. Schneierson & Sons, Inc. 363,716, June 27, 1939. Republished May 3.
Chemises, princess slips, bloomers, etc., Ladies'. I. Schneierson & Sons, Inc. 387,411, May 13, 1941. Republished May 3.
Clothes, Men's. Kahn Tailoring Company. 509,501, May 3; Serial No. 537,196.
Clothing for men, young men, and boys, Outer. The J. L. Hudson Company. 256,132–3, renewed May 7, 1949. O. G. May 3.
Clothing, Outer. The J. L. Hudson Company. 256,182, renewed May 7, 1949. O. G. May 3.
Clothing, Work. The Hawk & Buck Co. 509,215, May 3; Serial No. 510,081, published Jan. 4, 1949.
Coats and suits, Ladies' and misses'. Joseph Stein Coat Co., Inc. 509,525, May 3; Serial No. 550,630.
Coats, suits, jackets, and outer skirts, Ladies' and misses'. Townclife, Inc. 404,685, Dec. 14, 1943. Republished May 3.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 248,139, Oct. 16, 1928. Republished May 3.
Coats, vests, trousers, etc., for men, youths, and boys. J. Schoeneman, Inc. 509,290, May 3; Serial No. 532,641, published Dec. 21, 1948.
Diapers. W. L. Avery and P. E. Arnall. 509,518, May 3; Serial No. 548,007.
Dresses. Smart Maid, Inc. 442,627, May 3; Serial No. 520,838, published Dec. 21, 1948.
Dresses, Children's and misses'. L. J. Goldberger. 293,135, Apr. 12, 1932. Republished May 3.
Dresses, coats, and jackets. Women's. Smart Matron, Inc. 509,482, May 3; Serial No. 518,435.
Dresses, coats, jackets, etc., Women's and misses'. Star-Maid Dresses, Inc. 509,263, May 3; Serial No. 529,420, published Dec. 21, 1948.
Dresses, Ladies' and misses'. Feinrider Bros., Inc. 509,524, May 3; Serial No. 550,592.
Dresses, Ladies' and misses'. David E. Gottlieb, Inc. 400,886, Apr. 6, 1943. Republished May 3.
Dresses, Misses'. D. Plutzer & Sons, Inc. 509,520, May 3; Serial No. 549,168.
Dresses, Women's, misses', and children's. Harsfeld's, Inc. 254,969, renewed Apr. 2, 1949. O. G. May 3.

Garments, Infants' and children's. Earnshaw Knitting Company. 314,721, July 3, 1934. Republished May 3.
Garments, Infants' and children's knitted. Earnshaw Knitting Company. 415,549, Aug. 7, 1945. Republished May 3.
Gloves. Bacmo Postman Corporation. 336,442, July 7, 1936. Republished May 3.
Gloves and mittens, Fabric. The Boss Manufacturing Company. 140,563, Mar. 22, 1921. Republished May 3.
Gloves, Fabric. Hensen Glove Corporation. 371,267, Sept. 19, 1939. Republished May 3.
Gloves, Leather, leather, kid, lamb, and cape dress gloves, leather work gloves, and baseball mitts. Des Moines Glove & Mfg. Company, Inc. 162,060, Dec. 5, 1922. Republished May 3.
Gloves, Work, work shirts, denim jackets, etc. Gamble-Skogmo, Inc. 509,217, May 3; Serial No. 511,994, published Dec. 14, 1948.
Hat bodies, Women's. Henry Pollak, Inc. 509,509, May 3; Serial No. 541,835.
Hats, Ladies'. B. J. Johnson. 509,493, May 3; Serial No. 534,636.
Hats, Ladies'. Societe Chapeaux Mossant. 509,350, May 3; Serial No. 537,472, published Jan. 4, 1949.
Hats, Men's. Borden Import Corp. 509,228, May 3; Serial No. 519,798, published Dec. 14, 1948.
Hosiery. Gotham Hosiery Company, Inc. 509,246, May 3; Serial No. 527,126, published Apr. 27, 1948.
Hosiery. Guilford Hosiery Mills, Inc. 509,366, May 3; Serial No. 539,154, published Dec. 21, 1948.
Hosiery. The J. L. Hudson Company. 256,183, renewed May 7, 1949. O. G. May 3.
Hosiery. John Irving Shoe Corporation. 384,490, Jan. 21, 1941. Republished May 3.
Hosiery. Libson Shops Management Corporation. 509,309, May 3; Serial No. 534,643, published Jan. 11, 1949.
Hosiery. National Hosiery Mills, Inc. 509,201, May 3; Serial No. 488,654, published Dec. 14, 1948.
Hosiery. National Hosiery Mills, Inc. 509,376, May 3; Serial No. 539,975, published Dec. 14, 1948.
Hosiery. Quaker Hosiery Company, Inc. 258,366, renewed July 9, 1949. O. G. May 3.
Hosiery. E. M. Townsend & Co. 256,407, renewed May 14, 1949. O. G. May 3.
Hosiery. Trojan Hosiery Mills, Inc. 509,251, May 3; Serial No. 527,654, published Jan. 11, 1949.
Hosiery and knitted underwear, boys' vests, coats, etc. Sears, Roebuck and Co. 509,330, May 3; Serial No. 536,141, published Jan. 11, 1949.
Hosiery and underwear. Frank's, Inc. 509,264, May 3; Serial No. 529,453, published Dec. 28, 1948.
Hosiery, Ladies'. Harrison Hosiery Mills, Inc. 509,296, May 3; Serial No. 533,739, published Jan. 11, 1949.
Hosiery, Ladies' and misses'. Valcort Hosiery Corporation. 509,331, May 3; Serial No. 536,178, published Dec. 28, 1948.
Hosiery, Men's. Brigadoon Hosiery Mills. 442,634, May 3; Serial No. 524,293, published Mar. 16, 1948.
Hosiery, Nylon. Spurgeon Hosiery Corporation. 509,307, May 3; Serial No. 534,483, published Jan. 11, 1949.
Hosiery, Nylon. Spurgeon Hosiery Corporation. 509,308, May 3; Serial No. 534,485, published Jan. 11, 1949.
Hosiery, Women's. Samalto Hosiery Mills. 442,588, May 8; Serial No. 491,364, published Apr. 2, 1946.
Neckties, Men's. Wiesbaum Bros. 340,093, Nov. 3, 1936. Republished May 3.
Nightgowns, bathing suits, pajamas, etc. Vanity Fair Silk Mills. 257,588, renewed June 11, 1949. O. G. May 3.
Overalls and western style pants. Mann Overall Company, Inc. 509,324, May 3; Serial No. 535,725, published Jan. 11, 1949.
Overalls, coats, and trousers. Sweet, Orr & Company. 74,749, re-renewed Aug. 3, 1949. O. G. May 3.
Overalls, coats, vests, and pants, Men's, youths', and boys', etc. The Buckeye Overall Company. 253,661, Mar. 5, 1929. Republished May 3.
Overalls, coveralls; dress, negligee, and work shirts; coats for men, youths and boys; etc. The Buckeye Overall Company. 252,965, Feb. 19, 1929. Republished May 3.
Overcoats and topcoats. C. B. Shane Corporation. 509,265, May 3; Serial No. 529,711, published Dec. 21, 1948.
Pants, Work, work shirts, and one-piece work suits for men and boys. Pool Manufacturing Company. 509,273, May 3; Serial No. 530,561, published Dec. 21, 1948.
Raincoats. Chicago Rubber Clothing Company. 375,271, Feb. 13, 1940. Republished May 3.
Shirts and sweaters, Misses', girls', and boys' polo. Carl Gutmann & Co., Inc. 442,602, May 3; Serial No. 506,238, published Jan. 4, 1949.
Shirts, Athletic or pull-over. Robert Reis & Co. 253,602, renewed Mar. 5, 1949. O. G. May 3.
Shirts, Dress, sport, and negligee, ensembles of outer shirts and neckties, etc. Marlboro Shirt Company, Inc. 384,162, Jan. 7, 1941. Republished May 3.
Shirts, Men's and boys' dress and sport. Marlboro Shirt Company, Inc. 383,225, Dec. 28, 1937. Republished May 3.
Shirts, Men's and boys' dress and work, dress and work pants, etc. Marlboro Shirt Company, Inc. 386,842, Apr. 22, 1941. Republished May 3.
Shirts, Men's and boys' work. Salant & Salant, Inc. 509,202, May 3; Serial No. 529,311, published Dec. 7, 1948.
Shirts, Work. S. Rosenbloom, Inc. 442,605, May 3; Serial No. 510,030, published Aug. 3, 1948.
Shirts, Work, work pants, overalls, etc. Washington Manufacturing Company. 442,607, May 3; Serial No. 511,715, published Dec. 14, 1948.
Shoes. Craddock-Terry Shoe Corporation. 509,222, May 3; Serial No. 516,962, published Jan. 11, 1949.
Shoes. Dixon-Bartlett Company. 509,359, May 3; Serial No. 538,730, published Dec. 14, 1948.
Shoes and hosiery, Women's, misses', and children's. Shoecraft, Inc. 394,464, Apr. 7, 1942. Republished May 3.
Shoes, Children's. Stern Brothers. 259,348, renewed July 30, 1949. O. G. May 3.
Shoes, Ladies' and misses'. M. Wolock. 509,355, May 3; Serial No. 537,958, published Dec. 14, 1948.
Shoes, Leather. Brown Shoe Company, Inc. 509,286, May 3; Serial No. 532,272, published Dec. 21, 1948.
Shoes, Men's. Bono Dry Shoe Mfg. Co. 509,299, May 3; Serial No. 533,841, published Dec. 14, 1948.
Shoes, Men's. Freeman Shoe Corporation. 509,210, May 3; Serial No. 506,809, published Dec. 21, 1948.
Shoes, Misses'. Strawbridge & Clothier. 309,321, May 3; Serial No. 535,650, published Dec. 21, 1948.
Shoes of leather. Johnson, Stephens and Shinkle Shoe Company. 509,247, May 3; Serial No. 527,886, published Dec. 21, 1948.
Shoes, slippers, and boots, etc. Miles Shoes Incorporated. 509,301, May 3; Serial No. 541,867, published Dec. 28, 1948.
Shoes, slippers, and moccasins. Hussco Shoe Company. 442,600, May 3; Serial No. 505,584, published June 1, 1948.
Shoes, Women's. Brauer Bros. Shoe Company. 194,129, Jan. 13, 1925. Republished May 3.
Shoes, Women's and children's. J. Kandel. 442,617, May 3; Serial No. 516,849, published Dec. 21, 1948.
Shoes, Women's and misses', hats, hosiery, etc. Stern Brothers. 259,355, renewed July 30, 1949. O. G. May 3.
Slippers, House. C. A. Grosvenor Shoe Company. 509,288, May 3; Serial No. 532,421, published Dec. 14, 1948.
Sportswear, Women's and girls' non-knitted. Regent, Limited. 509,257, May 3; Serial No. 528,510, published Mar. 16, 1948.
Stockings. Wayne Knitting Mills. 509,278, May 3; Serial No. 531,266, published Jan. 11, 1949.
Stockings, dresses, shoes, etc., Women's, misses', and children's. Kresge Department Store Corporation. 293,176, Apr. 12, 1932. Republished May 3.
Suits, coats, pants, etc., Men's and boys'. Haspel Brothers, Inc. 509,377, May 3; Serial No. 540,070, published Jan. 11, 1949.
Suits, coats, vests, etc., Boys', youths', and men's. The Royal Tailors. 238,044, Jan. 24, 1928. Republished May 3.
Suits, coats, vests, etc., Men's. S. G. Holmes & Sons, Inc. 509,412, May 3; Serial No. 544,683, published Dec. 14, 1948.
Suits, coats, vests, etc., Men's and young men's. Weinberg Corporation. 509,279, May 3; Serial No. 531,272, published Jan. 11, 1949.
Suits, Men's. The Joseph & Feiss Company. 327,309, Aug. 20, 1935. Republished May 3.
Swim suits, Men's, women's, and children's. J. Solomon. 326,707, July 30, 1935. Republished May 3.
Top coats, overcoats, suits, trousers, Men's. Glenwood Clothes, Ltd. 509,497, May 3; Serial No. 535,520.
Topcoats, suits, sport coats, slacks, shirts and robes, Men's. Decker, Alfred & Cohn, Inc. 442,641, May 3; Serial No. 489,717.
Underwear, and children's sleepers. Knit and woven. P. H. Hanes Knitting Company. 509,345, May 3; Serial No. 537,188, published Jan. 11, 1949.
Underwear, Jackets, sweaters, etc., Knitted. Innes Henderson and Company Limited. 509,216, May 3; Serial No. 511,813, published Dec. 14, 1948.
Underwear, undershirts, union suits, etc., Men's and boys'. Cooper's, Incorporated. 509,364, May 3; Serial No. 539,027, published Jan. 11, 1949.
Underwear, Young ladies'. Bostonian Manufacturing Co., Ltd. 341,916, Dec. 20, 1936. Republished May 3.
Uniforms, Nurses', beauticians', waitresses', maids', institutional, industrial and utility works, etc. I. Schneierson & Sons, Inc. 389,683, Aug. 19, 1941. Republished May 3.
Wear, Infants'. M. Newman. 280,360, Feb. 17, 1931. Republished May 3.

CLASS 40

Bobby-pins, barrettes and combs. Solo Products Corporation. 442,642, May 3; Serial No. 525,414.
Buckles, buttons, button backs, button eyes, Garment, etc. Waterbury Companies, Incorporated. 509,526, May 3; Serial No. 550,635.
Fabric, Narrow, with slits and slots therein for use in pleating draperies and curtains. Home Curtain Corp. 509,489, May 3; Serial No. 525,598.
Lacings, Shoe, corset lacings, underwear lacings, etc. International Braid Company. 252,016, renewed Jan. 22, 1949. O. G. May 3.

Shields, Dress, combs, and hair pins, etc. Kresge Department Stores Corporation. 294,294, May 24, 1932. Republished May 3.
Tape, Venetian blind. Manchester Narrow Fabrics Company. 509,512, May 3; Serial No. 544,172.

CLASS 42

Bedspreads and draperies. Carter Brothers, Incorporated. 509,426, May 3; Serial No. 546,820, published Jan. 4, 1949.
Carpets and rugs, Textile. Alexander Smith & Sons Carpet Company. 509,507. May 3; Serial No. 540,465.
Carpets and rugs, Textile. Alexander Smith & Sons Carpet Company. 509,508, May 3; Serial No. 540,468.
Cloth, Coated and waterproofed. Joanna Western Mills Company. 509,342, May 3; Serial No. 536,818, published Dec. 21, 1948.
Cloth, Label. Joanna Western Mills Company. 509,339–40, May 3; Serial Nos. 536,812–13, published Dec. 21, 1948.
Cloth, Label. Joanna Western Mills Company. 509,341, May 3; Serial No. 536,815, published Dec. 21, 1948.
Cloth, Tag. Joanna Western Mills Company. 509,338, May 3; Serial No. 536,807, published Dec. 21, 1948.
Cloths and stuffs of wool, worsted, or hair. Drey, Simpson & Company Limited. 251,896, renewed Jan. 15, 1949. O. G. May 3.
Crash, towels, and toweling. West Point Manufacturing Company. 509,351, May 3; Serial No. 537,627, published Dec. 21, 1948.
Curtains, Window. Cameo Curtains Inc. 509,239–40, May 3; Serial No. 524,683–4, published Jan. 11, 1949.
Curtains, Window, bedspreads, pillow shams, etc. Kuhn, Blum & Co., Inc. 509,415, May 3; Serial No. 544,883, published Jan. 4, 1949.
Curtains, Window, drapes, bedspreads, etc. House Beautiful Curtains, Inc. 509,437–8, May 3; Serial Nos. 551,274–5, published Jan. 4, 1949.
Draperies and fabric wall coverings. United Wallpaper, Inc. 509,454, May 3; Serial No. 560,509, published Jan. 11, 1949.
Fabric in the piece, Elastic corset. Archer Rubber Company. 437,543, Mar. 30, 1948. Republished May 3.
Fabric in the piece, Elastic corset. Archer Rubber Company. 437,545, Mar. 30, 1948. Republished May 3.
Fabric in the piece, Rayon. Newport Finishing Corporation. 509,445, May 3; Serial No. 554,507, published Jan. 4, 1949.
Fabric, Knitted. Knitwear Mfg. Co., Inc. 331,387, Jan. 7, 1936. Republished May 3.
Fabrics, Cotton and cotton and rayon. Cohn-Hall-Marx Co. 253,248, renewed Feb. 26, 1949. O. G. May 3.
Fabrics, Cotton, impregnated with a plastic water-proofing material. W. L. Mellor. 509,431, May 3; Serial No. 549,163, published Dec. 28, 1948.
Fabrics in the piece. Crompton Company. 509,450, May 3; Serial No. 559,787, published Jan. 11, 1949.
Fabrics in the piece. Crompton Company. 509,451, May 3; Serial No. 559,791, published Jan. 4, 1949.
Fabrics in the piece and lace fabrics in the piece. MacCarthy-Remond Co. 509,514, May 3; Serial No. 545,270.
Fabrics in the piece, etc., Pile. Sidney Blumenthal & Co., Inc. 509,268, May 3; Serial No. 530,287, published Dec. 21, 1948.
Fabrics in the piece, etc., Pile. Sidney Blumenthal & Co., Inc. 509,269, May 3; Serial No. 530,289, published Dec. 21, 1948.
Fabrics in the piece, etc., Pile. Sidney Blumenthal & Co., Inc. 509,270, May 3; Serial No. 530,290, published Dec. 28, 1948.
Fabrics in the piece, Silk and rayon. Raxon Fabrics Co. 442,616, May 3; Serial No. 516,634, published May 6, 1947.
Fabrics in the piece, Textile. D. B. Fuller & Co., Inc. 509,531, May 3; Serial No. 553,692.
Fabrics in the piece, Textile. Marcus Brothers Textile Corp. 509,460, May 3; Serial No. 495,486.
Fabrics in the piece, Woolen. Pacific Mills. 442,582, May 3; Serial No. 484,496, published Jan. 11, 1949.
Fabrics in the piece, Woolen and worsted. John Walther Fabrics, Inc. 417,136, Oct. 16, 1945. Republished May 3.
Fabrics in the piece, Woolen and worsted tropical, and crashes in the piece. Berkshire Woolen Company. 509,496, May 3; Serial No. 534,871.
Fabrics in the piece, Worsted. Manchester Worsted Mills. 509,475, May 3; Serial No. 514,902.
Fabrics in the piece, Woven. Walter Gledhill & Sons, Limited. 509,442, May 3; Serial No. 552,532, published Jan. 11, 1949.
Fabrics made of rayon, and of rayon and cotton. Shelhar Fabrics Corporation. 509,444, May 3; Serial No. 553,220, published Jan. 4, 1949.
Fabrics made wholly or partially of cellulose derivatives. Celanese Corporation of America. 259,626–7, renewed Aug. 6, 1949. O. G. May 3.
Fabrics, Waterproofed. Schwarzwaelder Company. 343,964, Mar. 9, 1937. Republished May 3.
Fabrics, Woolen. J. P. Stevens & Co., Inc. 509,303, May 3; Serial No. 534,388, published Dec. 21, 1948.
Film, Plastic. Rainwear Tuscany Fabrics, Inc. 509,409, May 3; Serial No. 544,463, published Jan. 4, 1949.
Goods, Cotton. Bennett & Goding Incorporated. 242,268, May 22, 1928. Republished May 3.
Piece goods. American Continental Corporation. 509,357, May 3; Serial No. 538,484, published Dec. 28, 1948.
Piece goods. Bach, Lesem, & Co. Inc. 381,942, Oct. 15, 1940. Republished May 3.
Piece goods. Bach, Lesem, & Co. Inc. 401,887, June 15, 1943. Republished May 3.
Piece goods. Arthur Beir & Co., Inc. 277,008, Nov. 18, 1930. Republished May 3.
Piece goods. Arthur Beir & Co., Inc. 327,627, Sept. 3, 1935. Republished May 3.
Piece goods. Arthur Beir & Co., Inc. 352,071, Nov. 10, 1937. Republished May 3.
Piece goods. Arthur Beir & Co., Inc. 366,854, May 2, 1939. Republished May 3.
Piece goods. Burlington Mills Corporation. 509,529, May 3; Serial No. 552,835.
Piece goods. Charmette Fabrics Company, Inc. 509,277, May 3; Serial No. 531,096, published Dec. 21, 1948.
Piece goods. Resiloid Corporation. 509,371, May 3; Serial No. 539,351, published Jan. 11, 1949.
Piece goods and shade cloth, Cotton. Albert D. Smith & Co. 246,995, Sept. 18, 1928. Republished May 3.
Piece goods and shade cloth, Cotton. Albert D. Smith & Co. 248,665, Oct. 30, 1928. Republished May 3.
Piece goods, Cotton. Arthur Beir & Co., Inc. 343,026, Feb. 9, 1937. Republished May 3.
Piece goods, Cotton. Arthur Beir & Co., Inc. 354,142, Feb. 1, 1938. Republished May 3.
Piece goods, Cotton. Arthur Beir & Co., Inc. 404,298, Nov. 16, 1943. Republished May 3.
Piece goods, Cotton. Richard Haworth and Company, Limited. 70,631, re-renewed Sept. 15, 1948. O. G. May 3.
Piece goods, Cotton, silk, silk and cotton mixed, etc. Arthur Beir & Co., Inc. 224,244, Feb. 22, 1927. Republished May 3.
Piece goods of cotton, silk, linen and synthetic fibers. Burlington Mills Corporation. 509,440, May 3; Serial No. 553,449, published Jan. 4, 1949.
Piece goods, Printed and dyed cotton. Marshall Field & Company. 73,722, re-renewed May 11, 1949. O. G. May 3.
Piece goods, Rayon. Arthur Beir & Co., Inc. 314,187, June 19, 1934. Republished May 3.
Piece goods, Rayon. Arthur Beir & Co., Inc. 334,175–6, Apr. 21, 1936. Republished May 3.
Piece goods, Rayon. Arthur Beir & Co., Inc. 334,186, Apr. 21, 1936. Republished May 3.
Piece goods, Rayon. Arthur Beir & Co., Inc. 335,595, June 9, 1936. Republished May 3.
Piece goods, Rayon. Arthur Beir & Co., Inc. 335,899, June 9, 1936. Republished May 3.
Piece goods, Rayon. Arthur Beir & Co., Inc. 344,883, Apr. 6, 1937. Republished May 3.
Piece goods, Rayon. Arthur Beir & Co., Inc. 371,932, Oct. 17, 1939. Republished May 3.
Piece goods, Rayon. Arthur S. Helman Inc. 509,226, May 3; Serial No. 518,675, published Jan. 4, 1949.
Piece goods, Silk. Arthur Beir & Co., Inc. 128,003, Dec. 23, 1919. Republished May 3.
Piece goods, Silk. Stunzi Sons Silk Company, Inc. 509,363, May 3; Serial No. 538,825, published Dec. 28, 1948.
Piece goods, Textile. Josiah France, Limited. 509,441, May 3; Serial No. 552,531, published Jan. 11, 1949.
Piece goods, Vinyl coated rayon. J. W. Valentine Co., Inc. 509,213, May 3; Serial No. 509,381, published Jan. 4, 1949.
Piece goods, Woolen. Botany Mills, Inc. 509,285, May 3; Serial No. 532,118, published Dec. 21, 1948.
Ribbons, Textile. Burlington Mills Corporation. 509,452–3, May 3; Serial Nos. 560,446–7, published Jan. 11, 1949.
Rugs and carpets, Textile. Nye-Wait Company, Inc. 509,447, May 3; Serial No. 553,734, published Dec. 21, 1948.
Rugs, Textile. Marshall Field & Company. 509,430, May 3; Serial No. 548,750, published Dec. 21, 1948.
Sheeting, sheets, pillow cases, etc., Cotton. W. Snower. 259,793, renewed Aug. 6, 1949. O. G. May 3.
Sheeting with a cotton backing, Plastic film. Stuart Mansfield Co., Inc. 442,615, May 3; Serial No. 516,449, published Jan. 11, 1949.
Sheetings, Cotton. Columbus Manufacturing Co. 509,400, May 3; Serial No. 542,993, published Jan. 4, 1949.
Sheets and pillowcases. Kresge Department Store Corporation. 280,155, Feb. 10, 1931. Republished May 3.
Sheets or films, Plastic. Milprint, Inc. 442,593, May 3; Serial No. 499,646, published Jan. 11, 1949.
Shirtings in the piece, Men's cotton, and cotton textile fabrics. Alfred L. Helwith & Co., Inc. 308,703, Dec. 19, 1933. Republished May 3.
Textile fabrics in the piece, Cotton and rayon. Alfred L. Helwith & Co., Inc. 324,651, May 28, 1935. Republished May 3.
Textile fabrics, Woven. Cameo Fabrics Inc. 509,327, May 3; Serial No. 536,047, published Jan. 4, 1949.

CLASS 43

Yarn. Burlington Mills Corporation. 509,530, May 3; Serial No. 552,837.
Yarns and threads. Dollfus-Mieg & Cie. Societe Anonyme. 70,360–1, Aug. 25, 1908. Republished May 3.
Yarns and threads. Dollfus-Mieg & Cie. Societe Anonyme. 70,827, Oct. 6, 1908. Republished May 3.
Yarns, Cotton, linen, silk, etc., sewing cotton, thread, etc. Dollfus-Mieg & Cie, Société Anonyme. 69,438, June 16, 1908. Republished May 3.

CLASS 44

Ampules. H. A. Metz Laboratories, Inc. 256,605, renewed May 21, 1949. O. G. May 3.
Heating pads for therapeutic use, Electric. The Lobl Manufacturing Company. 509,472, May 3; Serial No. 513,322.
Sutures, ligatures, bandages, etc. Charles T. Davis. 74,363, re-renewed July 6, 1949. O. G. May 3.
Teeth, Artificial, tooth facings, and tooth backings. The Columbus Dental Manufacturing Co. 244,109, July 10, 1928. Republished May 3.

CLASS 45

Beverage, Celery. American Beverage Corporation. 509,418, May 3; Serial No. 545,807, published Jan. 18, 1949.
Beverage, Maltless, nonalcoholic, carbonated, and ingredients for making the same. Pee Dee Bottling Company. 252,535, renewed Feb. 12, 1949. O. G. May 3.
Beverages, Nonalcoholic. The Squirt Company. 401,117, Apr. 27, 1943. Republished May 3.
Beverages, Non-alcoholic, maltless. Lime Cola Company, Inc. 509,259, May 3; Serial No. 528,871, published Jan. 11, 1949.
Beverages, Non-alcoholic maltless. Milner & Coke Limited, 509,378, May 3; Serial No. 540,303, published Jan. 18, 1949.
Beverages, Nonalcoholic maltless. L. Peters. 509,396, May 3; Serial No. 542,222, published Jan. 11, 1949.
Flavor bases for making non-alcoholic beverages. Towne Talk Company. 410,106, Nov. 7, 1944. Republished May 3.
Juices, Non-alcoholic maltless fruit. Chase & Co. 182,405, Apr. 8, 1924. Republished May 3.
Mixture of apple and grape juices, Concentrated. R. I. Guy. 509,379, May 3; Serial No. 540,403, published Jan. 18, 1949.
Soft drink, Maltless. A-1 Beverage Corp. 442,629, May 3; Serial No. 522,422, published Jan. 18, 1949.
Soft drinks and concentrates. C. Collins, Jr. 509,511, May 3; Serial No. 534,748, published Jan. 4, 1949.
Syrups, extracts and flavors for making non-alcoholic beverages. Towne Talk Company. 388,924, July 15, 1941. Republished May 3.
Syrups, Soda-fountain. The Morey Mercantile Company. 509,395, May 3; Serial No. 542,044, published Jan. 4, 1949.

CLASS 46

Algin-emulsifier composition. Kelco Company. 438,544, Apr. 27, 1948. Republished May 3.
Applesauce, Partly prepared. Red-ee Foods, Inc. 395,085, May 12, 1942. Republished May 3.
Bread and rolls. Cook Baking Co. 442,595, May 3; Serial No. 500,166, published Jan. 11, 1949.
Bread, Scandinavian style. Ralston Purina Company. 509,302, May 3; Serial No. 538,813, published Dec. 28, 1948.
Breakfast food, Wheat. Cream of Wheat Company. 211,291, Apr. 6, 1926. Republished May 3.
Breakfast food, Wheat. The Cream of Wheat Corporation. 374,805, Jan. 23, 1940. Republished May 3.
Breakfast food, Wheat. The Cream of Wheat Corporation. 378,247, June 4, 1940. Republished May 3.
Breakfast food, Wheat. The Cream of Wheat Corporation. 380,284, Aug. 20, 1940. Republished May 3.
Butter, eggs, and dressed poultry. E. C. Grady Produce Company. 153,730, Mar. 28, 1922. Republished May 3.
Cake mix and icing. Red-ee Foods, Inc. 385,495, Mar. 4, 1941. Republished May 3.
Candies and chocolates. The Mary Oliver Candy Shops, Inc. 259,130, renewed July 23, 1949. O. G. May 3.
Candy. Chase Candy Company. 509,204, May 3; Serial No. 498,586, published Jan. 11, 1949.
Candy. Continental Candy Company. 442,630, May 3; Serial No. 522,921, published Feb. 8, 1949.
Candy. John Mackintosh & Sons Ltd., Inc. 365,725, Mar. 14, 1939. Republished May 3.
Candy. Queen Anne Candy Company, Inc. 259,119, July 23, 1929. Republished May 3.
Candy, Hard and soft. Quaker City Chocolate & Confectionery Co. 54,946, Aug. 7, 1906. Republished May 3.
Canned citrus juices. Paramount Canning Company. 509,367, May 3; Serial No. 539,204, published Dec. 28, 1948.
Canned fish. B. T. Weyand. 509,281, May 3; Serial No. 531,557, published Jan. 4, 1949.
Canned fruit. Mor-Pak Preserving Corporation. 509,369, May 3; Serial No. 539,335, published Dec. 28, 1948.
Canned fruits. Bear Creek Orchards. 368,898, July 4, 1939. Republished May 3.
Canned fruits and canned vegetables. W. F. Assau Canning Co., Inc. 509,318, May 3; Serial No. 535,455, published Jan. 4, 1949.
Canned fruits and canned vegetables. G. W. Hume Company. 509,329, May 3; Serial No. 536,088, published Dec. 28, 1948.
Canned fruits and vegetables. W. F. Assau Canning Co., Inc. 509,317, May 3; Serial No. 535,454, published Jan. 4, 1949.
Canned fruits and vegetables. Hunt Foods, Inc. 426,367, Dec. 24, 1946. Republished May 3.
Canned mock turtle soup. P. J. Hock. 222,004, Dec. 21, 1926. Republished May 3.
Canned peaches. Handy Andy Community Stores, Inc. 233,765, Oct. 11, 1927. Corrected. O. G. May 3.
Canned peas, canned tomatoes, and canned tuna fish, etc. B. Filippone & Co. 297,901, Oct. 4, 1932. Republished May 3.
Canned peas, canned tuna fish, canned tomatoes. B. Filippone & Co. 291,169, Feb. 2, 1932. Republished May 3.
Canned shellfish and canned fish. Whis Fish Products Company. 453,061, Sept. 23, 1947. Corrected. O. G. May 3.
Canned stringless beans, early June peas, sugar corn, etc. Epstein-Minster Co., Inc. 256,566, renewed May 21, 1949. O. G. May 3.
Canned tuna fish, canned salmon, canned corn, etc. B. Filippone & Co. 316,842, Sept. 4, 1934. Republished May 3.
Canned vegetables. Flotill Products, Incorporated. 509,488, May 3; Serial No. 523,834. Class 46.
Canned vegetables. B. F. Moomaw Co., Inc. 114,002, Nov. 14, 1916. Republished May 3.
Canned vegetables. Seeman Brothers, Inc. 509,344, May 3; Serial No. 537,086, published Jan. 11, 1949.
Canned vegetables, canned fruits, canned citrus fruit juices for food purposes, etc. Harlingen Canning Company. 509,328, May 3; Serial No. 536,079, published Dec. 28, 1948.
Canned vegetables, canned pork and beans, and canned tomato juice. The Illinois Canning Co. 509,337, May 3; Serial No. 536,890, published Dec. 28, 1948.
Celery. Chase & Company. 308,715, June 27, 1939. Republished May 3.
Celery. Chase & Company. 380,457, Aug. 20, 1940. Republished May 3.
Chewing gum. American Chewing Products Corp. 259,081, renewed July 23, 1949. O. G. May 3.
Chewing gum, Candy-coated. American Chewing Products Corp. 259,097, renewed July 23, 1949. O. G. May 3.
Chickens and parts thereof, Fresh frozen, and coffee and noodles. Smithville Inn, Inc. 509,486, May 3; Serial No. 522,778.
Chickens frozen and dressed. Rancho Estrella Poultry, Inc. 509,297, May 3; Serial No. 533,051, published Dec. 7, 1948.
Cocoa. Hollandsche Cacao-En Chocoladefabrieken v/h Bensdorp & Co. 241,986, May 8, 1928. Republished May 3.
Coffee. The Pearl Coffee Company. 230,290, July 19, 1927. Republished May 3.
Coffee, pecans in the shell, shelled and spiced pecans, etc. The Ingalls Shipbuilding Corporation. 509,495, May 3; Serial No. 534,783.
Cones for ice cream and other confections, Edible. Farlo Industries, Inc. 509,476, May 3; Serial No. 515,490.
Cornmeal. Piedmont Mills, Inc. 139,605, Feb. 8, 1921. Republished May 3.
Cornstarch. Corn Products Refining Company. 256,750, renewed May 21, 1949. O. G. May 3.
Crab-boil, spices, allspice, black pepper, etc. New Orleans Import Co., Limited. 442,640, May 3; Serial No. 525,932, published Jan. 11, 1949.
Dates, Fresh. The Deglet Noor Date Growers Association. 251,290, renewed Jan. 1, 1949. O. G. May 3.
Extracts for confectionery, Flavoring. H. Kohnstamm & Co., Inc. 509,487, May 3; Serial No. 523,142.
Feed, Dairy. Montana Flour Mills Company. 258,951, renewed July 16, 1949. O. G. May 3.
Feed, Dairy, and hog feed. Maritime Milling Co., Inc. 437,276, Mar. 9, 1948. Republished May 3.
Feed supplement. Kraft Foods Company. 438,521, Apr. 27, 1948. Republished May 3.
Feeds, Stock and poultry. Central Soya Company, Inc. 323,074, Apr. 2, 1935. Republished May 3.
Fish, Smoked, and canned fish. Chicago Smoked Fish Co. 357,901, June 21, 1938. Republished May 3.
Fish, Smoked, pickled fish, salted fish, and canned fish. Chicago Smoked Fish Co. 361,569, Oct. 25, 1938. Republished May 3.
Flour, Self-rising biscuit. Piedmont Mills, Inc. 165,951, Mar. 27, 1923. Republished May 3.
Flour, Self-rising biscuit. Piedmont Mills, Inc. 418,723, Jan. 8, 1946. Republished May 3.
Flour, Soft wheat. Olister Milling Company. 509,220, May 3; Serial No. 514,812, published Jan. 11, 1949.
Flour, Wheat. Larabee Flour Mills Company. 240,585, Apr. 3, 1928. Republished May 3.

Flour, Wheat. J. C. Locke. 357,156, May 24, 1938. Republished May 3.
Flour, Wheat. Piedmont Mills, Inc. 159,474, Sept. 26, 1922. Republished May 3.
Flour, Wheat. Standard Milling Company. 509,312, May 3; Serial No. 534,933, published Jan. 4, 1949.
Flour, Wheat. Tex-O-Kan Flour Mills Co. 509,455, May 3; Serial No. 536,258, published Jan. 4, 1949.
Flour, Wheat. Washburn Crosby Company. 72,916, renewed Mar. 2, 1949. O. G. May 3.
Flour, Wheat. Washburn Crosby Company. 256,524, renewed May 21, 1949. O. G. May 3.
Food and ingredients of foods. Ben-Gee Products, Inc. 442,613, May 3; Serial No. 515,851, published Jan. 18, 1949.
Food, Dog. Central Soya Company, Inc. 392,900, Jan. 20, 1942. Republished May 3.
Food for dogs, cats, foxes, etc. John Morrell & Co. 316,997, Sept. 11, 1934. Corrected. O. G. May 3.
Food for dogs, cats, foxes, etc. John Morrell & Co. 317,382, Sept. 25, 1934. Corrected. O. G. May 3.
Food for small animals. C. A. Swanson & Sons. 509,466, May 3; Serial No. 508,873.
Food, Stock. Central Soya Company, Inc. 323,726, Apr. 30, 1935. Republished May 3.
Fruits, Citrus, and fresh fruits and vegetables. Chase & Company. 109,820, Apr. 18, 1916. Republished May 3.
Fruits, Fresh. A. Orlandella. 375,322, Feb. 13, 1940. Republished May 3.
Fruits, Fresh citrous. Sierra Vista Packing Association. 189,334, Sept. 16, 1924. Republished May 3.
Fruits, Fresh citrous. Sierra Vista Packing Association. 234,673–4, Nov. 1, 1927. Republished May 3.
Fruits, Fresh citrus. Bryn Mawr Fruit Growers Association. 427,004, Jan. 21, 1947. Republished May 3.
Fruits, Fresh citrus. Chase & Chase. 152,709, Mar. 7, 1922. Republished May 3.
Fruits, Fresh citrus. Chase Investment Company. 306,361, Sept. 19, 1933. Republished May 3.
Fruits, Fresh citrus. El Ranchito Citrus Association. 509,368, May 3; Serial No. 539,298, published Dec. 21, 1948.
Fruits, Fresh citrus. Escondido Co-operative Citrus Association. 259,065, renewed July 23, 1940. O. G. May 3.
Fruits, Fresh citrus. Highland Exchange Association. 337,899, Aug. 25, 1936. Republished May 3.
Fruits, Fresh citrus. Ivanhoe Mutual Orange Association. 509,375, May 3; Serial No. 539,958, published Jan. 11, 1949.
Fruits, Fresh citrus. The La Habra Citrus Association. 509,374, May 3; Serial No. 539,882, published Jan. 4, 1949.
Fruits, Fresh citrus. Lemon Cove Association. 509,504, May 3; Serial No. 539,182.
Fruits, Fresh citrus. Lindsay Citrus Growers Association. 323,351, Apr. 9, 1935. Republished May 3.
Fruits, Fresh citrus. Lindsay Farm Bureau Fruit Assn. 301,721, Mar. 14, 1933. Republished May 3.
Fruits, Fresh citrus. Lindsay Farm Bureau Fruit Assn. 307,580, Oct. 31, 1933. Republished May 3.
Fruits, Fresh citrus. Seaboard Lemon Association. 352,721, Dec. 7, 1937. Republished May 3.
Fruits, Fresh citrus. Seaboard Lemon Association. 352,925, Dec. 14, 1937. Republished May 3.
Fruit, Fresh citrus. Seaboard Lemon Association. 369,977, Aug. 8, 1939. Republished May 3.
Fruits, Fresh citrus, and fresh vegetables. Chase & Company. 266,396, Jan. 14, 1930. Republished May 3.
Fruits, Fresh deciduous. Bear Creek Orchards. 368,755, June 27, 1939. Republished May 3.
Fruits, Preserved, canned, and bottled, canned vegetables. Chase & Co. 179,070, Feb. 5, 1924. Republished May 3.
Gelatine. B. Young & Company Limited. 442,591, May 3; Serial No. 498,874, published Jan. 11, 1949.
Grapes and melons, Fresh. Roddenberry-Mollca Company. 438,589, May 4, 1948. Republished May 3.
Ice cream. Dairy Made Ice Cream Company, Inc. 258,320, renewed July 2, 1949. O. G. May 3.
Ice cream, Bodies of, having a coating of edible substance. Southern Dairies, Inc. 254,111, renewed Mar. 12, 1949. O. G. May 3.
Ice cream, Bodies of, having a coating of edible substance. Southern Dairies, Inc. 257,988, renewed June 25, 1949. O. G. May 3.
Ice cream, Ices, and sherbets. Southern Dairies, Inc. 254,505, renewed Mar. 26, 1949. O. G. May 3.
Icing for cakes and cookies. Basic Foods, Inc. 509,499, May 3; Serial No. 535,787.
Icing for cakes and cookies. Basic Foods Sales Corp. 367,953, June 10, 1941. Republished May 3.
Icings for cakes and cookies. Basic Foods, Inc. 367,487, May 16, 1939. Republished May 3.
Icings for cakes and cookies. Basic Foods Sales Corp. 419,460, Feb. 19, 1946. Republished May 3.
Juices, Canned vegetable. L. C. Grover. 436,203, Jan. 27, 1948. Republished May 3.
Macaroni. The Atlantic Macaroni Co. 71,374, Nov. 17, 1908. Republished May 3.
Macaroni. B. Filippone & Co. 220,082, Nov. 2, 1926. Republished May 3.
Macaroni. B. Filippone & Co. 308,951–2, Dec. 26, 1933. Republished May 3.
Macaroni. B. Filippone & Co. 311,567, Mar. 27, 1934. Republished May 3.
Macaroni. B. Filippone & Co. Inc. 339,987, Oct. 27, 1936. Republished May 3.
Macaroni. B. Filippone & Co. 370,296, Aug. 22, 1939. Republished May 3.
Macaroni and cottonseed oil. B. Filippone & Co. 212,207, Apr. 27, 1926. Republished May 3.
Macaroni, canned peas and tomatoes. B. Filippone & Co. 219,494, Oct. 19, 1926. Republished May 3.
Meal, Soybean oil, and soybean flakes. Central Soya Company, Inc. 365,617, Mar. 14, 1939. Republished May 3.
Melons, Fresh, and fresh vegetables. James and Buckley. 509,510, May 3; Serial No. 542,030.
Milk, Evaporated. Midland Cooperative Dairy Association. 509,478, May 3; Serial No. 516,143.
Milk, Fresh and pasteurized, cream, fresh buttermilk, etc. Southern Dairies, Inc. 255,050, renewed Apr. 9, 1949. O. G. May 3.
Oats, Rolled, or oat flakes. Purity Oats Company. 259,266, renewed July 30, 1949. O. G. May 3.
Olive oil. B. Filippone & Co. 196,917, Mar. 31, 1925. Republished May 3.
Olive oil. B. Filippone & Co. 208,460, Feb. 2, 1926. Republished May 3.
Oranges, Fresh. F. W. Pope and T. W. Bryant. 509,302, May 3; Serial No. 534,338, published Jan. 4, 1949.
Oranges, lemons, grapefruit, etc. Chase & Company. 83,223, Aug. 29, 1911. Republished May 3.
Peaches, apples, celery, Fresh, etc. Tranmarc's Valley of Health. 442,610, May 3; Serial No. 512,629, published Feb. 10, 1948.
Pears, Fresh. M. S. Spats. 509,286, May 3; Serial No. 529,720, published Jan. 11, 1949.
Peas, Frozen. Cascade Frozen Foods, Inc. 509,464, May 3; Serial No. 507,370.
Pickles, Dill, sweet mixed pickles, sweet pickle rings, etc. Wachsberg Pickle Works. 404,134, Nov. 2, 1943. Republished May 3.
Pickles, mustard, pickle relish, etc. Squire Dingee Company. 442,632, May 3; Serial No. 524,022, published July 13, 1948.
Preserves, Fruit. Max Ams, Incorporated. 245,556, Aug. 14, 1928. Republished May 3.
Pretzels. A. Kesseler & Sons. 252,793, renewed Feb. 12, 1949. O. G. May 3.
Salt. Myles Salt Company, Inc. 509,300, May 3; Serial No. 533,916, published Jan. 11, 1949.
Salt for feeding livestock. Consolidated Materials Company. 509,315, May 3; Serial No. 535,222, published Jan. 4, 1949.
Sandwich spread, Chopped olive. W. H. Floyd. 509,469, May 3; Serial No. 510,672.
Sauce for meats, chicken and seafood. B. C. Goode. 509,515, May 3; Serial No. 545,737.
Sausage. The Cudahy Packing Company. 74,495, renewed July 13, 1949. O. G. May 3.
Seasoning for meats or other foods. A. C. Legg Packing Company, Inc. 249,173, Nov. 6, 1928. Republished May 3.
Shortening. C. Michaelis. 367,375, May 16, 1939. Republished May 3.
Shortening. C. Michaelis. 417,943, Nov. 20, 1945. Republished May 3.
Sugar. Imperial Sugar Company. 119,080, Oct. 23, 1917. Republished May 3.
Sugar. Imperial Sugar Company. 123,601, Nov. 19, 1918. Republished May 3.
Sugar. Imperial Sugar Company. 205,637, Nov. 10, 1925. Republished May 3.
Sugar, Cane. Imperial Sugar Company. 265,777, Jan. 7, 1930. Republished May 3.
Syrup, Malt extract. Schreiber Products Corporation. 159,087, Sept. 19, 1922. Republished May 3.
Syrup, Malt extract. Schreiber Products Corporation. 159,510, Sept. 26, 1922. Republished May 3.
Tea, Packages of. Joseph Tetley & Co., Inc. 259,480–1, renewed July 30, 1949. O. G. May 3.
Vegetable and cereal food, Vitamin and mineral fortified. The Wander Company. 509,475, May 3; Serial No. 515,207.
Vegetables, Fresh. J. E. Howe. 509,483, May 3; Serial No. 519,129.
Vegetables, Fresh. Valley Produce Distributors. 438,550, Apr. 27, 1948. Republished May 3.
Wheat germ. The Cream of Wheat Corporation. 384,863, Feb. 4, 1941. Republished May 3.

CLASS 47

Wines. W. H. Loviner. 509,221, May 3; Serial No. 515,292, published Jan. 11, 1949.
Wines. Pacific Wines. 509,386, May 3; Serial No. 541,564, published Jan. 11, 1949.
Wines. L. N. Renault & Sons, Inc. 509,370, May 3; Serial No. 539,348, published Jan. 11, 1949.

CLASS 48

Beer. Minneapolis Brewing Company. 94,249, Nov. 18, 1913. Republished May 3.
Beverages, Malt. The Fitger Company. 309,099–100, Jan. 2, 1934. Republished May 3.

Cereal product used for the manufacture of beer and ale. Miner-Hillard Milling Co. 509,320, May 3; Serial No. 535,581, published Jan. 4, 1949.
Liquors, Malt. Jos. Schlitz Brewing Company. 509,384, May 3; Serial No. 541,193, published Jan. 11, 1949.

CLASS 49

Beverage, Distilled potable alcoholic. Continental Distilling Corporation. 509,381, May 3; Serial No. 540,781, published Jan. 25, 1949.
Brandy. Pacific Wines. 509,387, May 3; Serial No. 541,565, published Jan. 11, 1949.
Cognacs and armagnacs. Etablissements Vitry-Vaucluse, Societe Responsabilite Limitee. 442,606, May 3; Serial No. 511,186, published Jan. 18, 1940.
Gin. The Distillers Company Limited. 509,398, May 3; Serial No. 542,543, published Jan. 11, 1949.
Whiskey. Gordon-O'Neill Company. 509,323, May 3; Serial No. 535,700, published Jan. 18, 1949.
Whiskey. Robert McNish and Company Limited. 509,260, May 3; Serial No. 529,076, published Jan. 11, 1949.

CLASS 50

Leather, Artificial. Stedfast Rubber Company. 253,986, renewed Mar. 12, 1949. O. G. May 3.

CLASS 55

Air transportation of passengers, freight, express and mail. National Airlines, Inc. 509,458, May 3; Serial No. 538,030, published Nov. 9, 1948.
Services in the writing of casualty insurance. New England Casualty Insurance Company. 509,457, May 3; Serial No. 528,880, published May 4, 1948.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Gulick, Russell A., Lynnfield, Mass., assignor, by mesne assignments, to Stator Corporation. Double wall vessel. Re. 23,106, May 3.

Mapes, Leslie A., Palisade, N. J. Extensible conveyer. Re. 23,107, May 3.

Stalker, Edward A., Bay City, Mich. Axial blower. Re. 23,108, May 3.

Stator Corporation, assignee: *See*—
Gulick, Russell A.

LIST OF DESIGN PATENTEES

Air Products, Inc., assignee: *See*—
Peeples, Simeon K.

American Can Company, assignee: *See*—
Erb, George C.

American Machine and Metals, Inc., assignee: *See*—
Waite, Ralph D.

Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Child's scooter. 153,575, May 3.

Autopoint Company, assignee: *See*—
Winter, Frank.

Baker-Raulang Company, The, assignee: *See*—
Remde, Edward H.

Bird & Son, inc., assignee: *See*—
Bordeaux, Robert D.

Bland, Reginald B., Newport News, Va. Case for a hearing aid amplifier unit. 153,576, May 3.

Bland, Reginald B., Newport News, Va. Case for a hearing aid amplifier unit. 153,577, May 3.

Bohannon, George S., Fort Worth, Tex. Molding machine or the like. 153,578, May 3.

Bordeaux, Robert D., Chicago, Ill., assignor to Bird & Son, inc., East Walpole, Mass. Insulating siding corner unit. 153,579, May 3.

Bordeaux, Robert D., Chicago, Ill., assignor to Bird & Son, inc., East Walpole, Mass. Insulating siding corner unit. 153,580, May 3.

Bordeaux, Robert D., Chicago, Ill., assignor to Bird & Son, inc., East Walpole, Mass. Insulating siding corner unit. 153,581, May 3.

Bordeaux, Robert D., Chicago, Ill., assignor to Bird & Son, inc., East Walpole, Mass. Insulating siding corner unit. 153,582, May 3.

Boyco, Inc.: *See*—
Nelson, Adolph J.

Breen, Frederick M., White Plains, N. Y. Bottle cap or similar article. 153,583, May 3.

Brewer, John H., assignor to Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Ampoule sealing device. 153,584, May 3.

Chicago Electric Manufacturing Company, assignee: *See*—
Stiles, Harry L.

Culwell, Edward L., Alameda, Calif. Transparent prism vanity lamp. 153,585, May 3.

D'Addario, Thomas, New York, assignor to The Johnnie Ryan Co., Niagara Falls, N. Y. Bottle or similar article. 153,586, May 3.

Dolak, Andy, Flint, Mich. Fish lure. 153,587, May 3.

Drnevich, Lewis, East McKeesport, Pa. Overhead trim for a window or the like. 153,588, May 3.

Dronoff Shoe Products Inc., assignee: *See*—
Litvack, Saul.

Duberstein, Julius, New York, N. Y. Combination caster and perfume holders. 153,589, May 3.

Elchman, Ella V., Brownsville, Tex. Airplane. 153,590, May 3.

Erb, George C., Forest Hills West, assignor to American Can Company, New York, N. Y. Can or similar article. 153,591, May 3.

Evans Case Co., assignee: *See*—
Reilly, Alfred F.

Fader, William, Newark, N. J. Oven. 153,592, May 3.

Faulhaber, Frank J., New York, N. Y. Automobile grille guard. 153,593, May 3.

Fierea, Angelo J., Hollis, Long Island, N. Y. Handbag frame. 153,594, May 3.

Florian, Gordon W., Trumbull, Conn., assignor to Hudson American Corporation, New York, N. Y. Marine radio telephone. 153,595, May 3.

Frankl, Ernest, New York, assignor to Stickless Corporation, Bronx, N. Y. Combined calendar and desk pad unit. 153,596, May 3.

Gangbin, Irol G., Fresno, Calif. Lighting fixture. 153,597, May 3.

Gangbin, Irol G., Fresno, Calif. Donble core lighting fixture. 153,598, May 3.

Gotliffe, Irving I., New York, assignor to Remsen Lamp Manufacturing Co., Brooklyn, N. Y. Floor lamp base. 153,599, May 3.

Gould, Henry, assignee: *See*—
Wende, Adolph H.

Graham, Elisabeth N., New York, N. Y. Bottle. 153,600, May 3.

Grant, Foster, Co., Inc., assignee: *See*—
Ulved, Bernard.
Watkins, Joseph R.

Gresh, John J., Evergreen Park, Ill. Cross. 153,601, May 3.

Haas, Emil, assignee: *See*—
Wende, Adolph H.

Halbriter, Percy H., Los Angeles, Calif. Slide viewer. 153,602, May 3.

Haman, Ralph W.: *See*—
Murphy, Frank L., and Haman.

Haman, Ralph W., Flossmoor, assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway dining car body. 153,603, May 3.

Hammer, John J., Detroit, Mich. Retractable sign. 153,604, May 3.

Hewitt, David, New York, N. Y. Electric table lamp. 153,605, May 3.

Hilby, William E., Indianapolis, Ind. Bill container. 153,606, May 3.

Hilby, William E., Indianapolis, Ind. Bill container. 153,607, May 3.

Hileman, Keil E., Overland Park, Kans., assignor to National Metal Products Company, Kansas City, Mo. Mowing machine. 153,608, May 3.

Hudson American Corporation, assignee: *See*—
Florian, Gordon W.

Hynson, Westcott & Dunning, Incorporated, assignee: *See*—
Brewer, John H.

Keane, Peter, Los Angeles, Calif. Combination dental floss holder and container or similar article. 153,609, May 3.

Kleinkauf, Henry, assignee: *See*—
Wende, Adolph H.

Kline, Leopold D., Kew Gardens, N. Y. Earring. 153,610, May 3.

Koplar, Solomon E., Chicago, Ill. Clock. 153,611, May 3.

Lactona Incorporated, assignee: *See*—
Reinecke, Jean O.

Langos, Otto A., Chicago, Ill. Lawn sprinkler. 153,612, May 3.

Litvack, Saul, New York, N. Y., assignor to Dronoff Shoe Products Inc., Carlisle, Pa. Shoe. 153,613, May 3.

Magnavox Company, The, assignee: *See*—
Stone, Leland G.

Main, David W., Denver, Colo. Spinning aerial cargo toy.

Mercer, Norman J., Brooklyn, N. Y. Spoon or similar article of tableware. 153,615, May 3.

Mercer, Norman J., Brooklyn, N. Y. Spoon or similar article of tableware. 153,616, May 3.

Mercer, Norman J., Brooklyn, N. Y. Spoon or similar article of tableware. 153,617, May 3.

Merz Engineering Company, assignee: *See*—
Rupley, Frederick L.

Motor Wheel Corporation, assignee: *See*—
Wilson, Lawrence H.

Murphy, Frank L., Chicago, and R. W. Haman, Flossmoor, assignors, to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway dining car body. 153,616, May 3.

National Metal Products Company, assignee: *See*—
Hileman, Keil E.

Natkin, Alfred, assignee: *See*—
Wende, Adolph H.

Natkin, Bertram M., assignee: *See*—
Weode, Adolph H.

Natkin & Company, assignee: *See*—
Kende, Adolph H.

Nelson, Adolph J., Oak Park, assignor to Boyco, Inc., Chicago, Ill. Clock. 153,619, May 3.
Nelson, Robert J., New York, N. Y. Pleated fabric. 153,620, May 3.
Pandora Knitwear, Inc., assignee: *See*—
Sidore, May.
Park-In Theatres Company, assignee: *See*—
Taylor, Samuel H., Jr.
Patterson, Sarah A., Edgewater, Colo. Educational game board. 153,621, May 3.
Peeples, Simeon K., Wichita, assignor of fifty percent to Air Products, Inc., Pittsburg, Kans. Louvered corrugated metal awning. 153,622, May 3.
Peters, William J., New York, N. Y. Rain hood or similar article. 153,623, May 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 153,624, May 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 153,625, May 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 153,626, May 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 153,627, May 3.
Philippe, Alfred, Scaradale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 153,628, May 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 153,629, May 3.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 153,630, May 3.
Pullman-Standard Car Manufacturing Company, assignee: *See*—
Haman, Ralph W.
Murphy, Frank L., and Haman.
Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Table lighter. 153,631, May 3.
Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Table lighter. 153,632, May 3.
Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Table lighter. 153,633, May 3.
Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Table lighter. 153,634, May 3.
Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Co. Table lighter. 153,635, May 3.
Reinecke, Jean O., Oak Park, Ill., assignor to Lactona Incorporated, St. Paul, Minn. Display container. 153,636, May 3.
Reiss, Ernest H., Floral Park, N. Y. Combination desk unit. 153,637, May 3.
Remde, Edward H., assignor to The Baker-Raulang Company, Cleveland, Ohio. Power driven tractor. 153,638, May 3.
Remsen Lamp Manufacturing Co., assignee: *See*—
Gotliffe, Irving I.
Rupley, Frederick L., Cincinnati, Ohio, assignor to Merz Engineering Company, Indianapolis, Ind. Portable pneumatic gauge. 153,630, May 3.
Ryan, Johnnie, Co., The, assignee: *See*—
D'Addario, Thomas.
Sandee Manufacturing Company, assignee: *See*—
Szantay, Elmer.
Scherts, Adolph, Youngstown, Ohio. Ash tray. 153,640, May 3.
Shure, Samuel J., assignee: *See*—
Wende, Adolph H.
Sidore, May, Manchester, N. H., assignor to Pandora Knitwear, Inc., New York, N. Y. Knitted fabric. 153,641, May 3.
Silverman, Richard J., Brooklyn, N. Y. Christmas tree ornament. 153,642, May 3.
Snodgrass, John A., Prescott, Ark. Fountain pen. 153,643, May 3.
Stanley, James, Jr.: *See*—
Stanley, James R., and Stanley J., Jr.
Stanley, James, Sr., and J. Stanley, Jr., New York, N. Y. Clothespin. 153,644, May 3.
Stickless Corporation, assignee: *See*—
Frankl, Ernest.
Stiles, Harry L., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric fruit juicer. 153,645, May 3.
Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Radio phonograph cabinet. 153,646, May 3.
Szantay, Elmer, Chicago, Ill., assignor to Sandee Manufacturing Company. Crib toy or the like. 153,647, May 3.
Taylor, Samuel H., Jr., Merchantville, assignor to Park-In Theatres Company, Camden, N. J. Screen building for an outdoor theatre. 153,648, May 3.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Trigére, Robert, New York, N. Y. Dress. 153,649, May 3.
Ulvad, Bernard, assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Candlestick or the like. 153,650, May 3.
United States Rubber Company, assignee: *See*—
Arbib, Richard H.
Waltz, Ralph D., Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y. Combined pressure gauge and relief valve or similar article. 153,651, May 3.
Watkins, Joseph R., Dover, N. J., assignor to Foster Grant Co., Inc., Leominster, Mass. Sunglass frame. 153,652, May 3.
Weinberg, Sol, New York, N. Y. Textile fabric. 153,653, May 3.
Wende, Adolph H., St. Louis, Mo., assignor to H. Kleinkauf, Omaha, Nebr., E. Haas and H. Gould, Kansas City, Mo., A. Natkin, Houston, Tex., B. M. Natkin, Clayton, S. J. Shure, St. Louis, doing business as Natkin & Company, Brentwood, Mo. Utility wagon. 153,654, May 3.
Wilson, Lawrence H., Detroit, assignor to Motor Wheel Corporation, Lansing, Mich. Cabinet for a heater or the like. 153,655, May 3.
Winter, Frank, Lincolnwood, assignor to Autopoint Company, Chicago, Ill. Pencil clip or similar article. 153,656, May 3.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrahamse, Henry L., and J. E. Hewitt, assignors to Abrams Instrument Corporation, Lansing, Mich. Automatic timer. 2,468,855, May 3.
Abrams Instrument Corporation, assignee: *See*—
Abrahamse, Henry L., and Hewitt.
Accurate Tool and Engineering Company, assignee: *See*—
Sherman, Wilbur G.
Achey, Norwood, Rossville, Ga. Sectional boiler. 2,469,253, May 3.
Adamson, Arthur P., Ballston Spa, N. Y., assignor to General Electric Company. Angular motion transmitting apparatus. 2,469,100, May 3.
Adelson, David E., and H. F. Gray, Jr., Berkeley, assignors to Shell Development Company, San Francisco, Calif. Acetal resins. 2,469,286, May 3.
Adietta, Joseph G., New York, N. Y. Slide rule accessory. 2,469,221, May 3.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Beckel, Arthur C., and Belter.
Ventre, Emil K.
Aiken, William R., Berkeley, Calif. Communication system. 2,468,911, May 3.
Air Preheater Corporation, The, assignee: *See*—
Karlason, Per H., and Cooper.
Air Reduction Company, Incorporated, assignee: *See*—
Begerow, Walter.
Hughey, Howard G.
Aktiengesellschaft Fuer Technische Studien, assignee: *See*—
Villiger, Eugen.
Albertson, Noel F., East Greenbush, S. Archer, and C. M. Suter, Albany, assignors, by mesne assignments, to Winthrop-Stearns, Inc., New York, N. Y. Alkyl esters of α-acyl, α-acylamino, β(3-indole)-propionic acid. 2,468,912, May 3.
Albrecht, Jacob W., Queens Village, assignor to Dictograph Products Company, Inc., New York, N. Y. Fire alarm switch. 2,469,024, May 3.
Aldham, Thomas E., East Providence, R. I., assignor to Fram Corporation. Filter cartridge package. 2,469,025, May 3.
Alexander, John A., Berkeley, Calif. Combined table and desk for children. 2,468,856, May 3.
Alexander, Robert O., assignor to Thiokol Corporation, Trenton, N. J. Polysulfide polymer and making. 2,469,141, May 3.
Allen, Archie A., assignor to Kirsch Company, Sturgis, Mich. Curtain or drapery fixture. 2,469,098, May 3.
Allen, Frank C., Jr., assignee: *See*—
Barr, George.
Allied Chemical & Dye Corporation, assignee: *See*—
Calfee, John D., and Florio.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Sealey, William C.
Alimänna Svenska Elektriska Aktiebolaget, assignee: *See*—
Persson, Gunnar J.
Aluminum Company of America, assignee: *See*—
McArthur, Bruce E., Bohn, and Wagner.
Thompson, Jason F.
American Blower Corporation, assignee: *See*—
Rosebrough, John D.
American Can Company, assignee: *See*—
Peters, John F.
American Cyanamid Company, assignee: *See*—
Mackay, Johnstone S.
Payne, Nellie M. C.
American Seating Company, assignee: *See*—
Nordmark, Walter E.
Windhorst, Pearl R.
American Steel Foundries, assignee: *See*—
Kline, Edmund P., and Kayler.
American Steel and Wire Company, The, assignee: *See*—
Widerberg, Oscar A., and Wallsten.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Barnes, Raleigh H., and Elmendorf.
Boak, Willis E.
Brickman, Alan E.
Little, Jess C.
American Viscose Corporation, assignee: *See*—
Davidson, Hobart O.
Kennedy, Edgar S., and Wedler.
Nash, Thomas L.
Amperex Electronic Corp., assignee: *See*—
Seeanke, Alexander.
Anderson, John A., Chicago, and V. Voorhees, Homewood, assignors to Standard Oil Company, Chicago, Ill. Making spheroidal gel particles. 2,468,857, May 3.

Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Air conditioning. 2,469,142, May 3.
Andrew Corporation, assignee: *See*—
Cox, Claude R.
Andrews Company, assignee: *See*—
Andrews, Isaac.
Andrews, Isaac, assignor to Andrews Company, Spartanburg, S. C. Weaving reed. 2,468,800, May 3.
Andrus, Orrin E., Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric windings and leads therefor. 2,469,099, May 3.
Andrus, Orrin E., Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Laminated magnetic core. 2,469,100, May 3.
Archer, Sydney: *See*—
Albertson, Noel F., Archer, and Suter.
Arend, Fritz W.: *See*—
Sealey, William C., and Arend.
Armco Steel Corporation, assignee: *See*—
Hudson, Edwin B.
Armour and Company, assignee: *See*—
Hoerr, Charles W.
Armstrong, Eldon L., Jackson Heights, and W. A. Beman, Douglaston, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Oxidation of sulfuric acid heavy alkylate. 2,469,322, May 3.
Ascherl, Michael, Lorain, Ohio. Apparel-hanger cabinet. 2,469,143, May 3.
Aspey, Wayne S.: *See*—
Wallace, James M., Rawlins, Cumming, and Aspey.
Atlantic Refining Company, The, assignee: *See*—
Griesinger, William K.
Attorney General of the United States, assignee: *See*—
Laurent, Pierre A.
Rohn, Wilhelm.
Atwood, John B., and B. Trevor, Riverhead, N. Y., assignors to Radio Corporation of America. Crystal rectifier converter. 2,469,222, May 3.
Auster Limited, assignee: *See*—
Small, Walter W.
Auto Diesel Piston Ring Company, assignee: *See*—
Heinrich, August H.
Avery, Harold T., Oakland, Calif. Airplane and helicopter sustained aircraft. 2,468,913, May 3.
Axe, William N.: *See*—
Wagner, Cary R., and Axe.
Baggott, Edmund W., Brooklyn, assignor to Ideal Novelty & Toy Co., Hollis, N. Y. Toy airplane. 2,469,144, May 3.
Bahnson, Agnew H., Jr., Winston-Salem, N. C. Outlet for humidifying ducts. 2,468,858, May 3.
Bailey Meter Company, assignee: *See*—
Barnes, Frederick A.
Bailiff, Doyle D., East Gary, Ind. Jump measuring device. 2,469,145, May 3.
Banaszak, John J. and W. J., Battle Creek, Mich. Foldable vehicle. 2,468,914, May 3.
Banaszak, Walter J.: *See*—
Banaszak, John J. and W. J.
Bankson, Severin B., San Francisco, Calif. Ear trumpet, including adjustable sections. 2,469,254, May 3.
Barnes, Frederick A., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Pattern controlled grinding wheel dressing mechanism. 2,469,255, May 3.
Barnes, Miriam M., executrix: *See*—
Barnes, Raleigh H., and Elmendorf.
Barnes, Raleigh H., deceased, Cleveland Heights, by M. M. Barnes, executrix, Cleveland Heights, Ohio, and H. J. Elmendorf, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Steel helmet. 2,469,146, May 3.
Barr, George, New York, assignor to F. C. Allen, Jr., Pelham Manor, N. Y. Musical instrument. 2,468,726, May 3.
Barrows, Donald S., Rochester, N. Y., assignor to The Symington-Gould Corporation. Railway truck. 2,469,323, May 3.
Barstad, Sverre A., Stavanger, Norway. Arrangement for salting and hooking of fish (herring). 2,469,026, May 3.
Barter, Bert H., Coral Gables, Fla., assignor to Great Southern Box Company, Inc., New Orleans, La.. Folded box. 2,468,951, May 3.
Barto, Ward, Denver, Colo. Ball target. 2,469,061, May 3.
Bauman, Joseph J., Chicago, Ill., assignor to Kurz-Kasch, Inc., Dayton, Ohio. Sectional radio cabinet. 2,468,727, May 3.
Bayless, George W., assignor to T. Kotzin, Los Angeles, Calif. Patch pocket and making same. 2,468,915, May 3.
Beall, Charles T., Casper, Wyo. Power operated chair. 2,468,801, May 3.

Beard, Joseph G., Haddonfield, and L. W. Born, Collingswood, N. J., assignors to Radio Corporation of America. Frequency modulation. 2,469,200, May 3.
Beard, Joseph G., Haddonfield, N. J., and R. F. Dressler, Philadelphia, Pa., assignors to Radio Corporation of America. Circuit tuner. 2,469,324, May 3.
Beber, Adolph J., Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of dithiuryl disulfide. 2,468,952, May 3.
Beckel, Arthur C., Peoria, and P. A. Belter, Pekin, Ill., assignors to The United States of America as represented by the Secretary of Agriculture. Recovery of oil and by-products from alcoholic solutions of oleaginous materials. 2,469,147, May 3.
Bedworth, Arthur H., Pomona, Calif, and L. G. Curtis, Winchester, Mass. Bottle capping die. 2,469,191, May 3.
Beebe, Austin H., Jr.: *See*—
Mason, James F., and Beebe.
Begerow, Walter, Wood-Ridge, N. J., assignor to Air Reduction Company, Incorporated. Tracing device. 2,468,802, May 3.
Begtrup, Edward F., Elizabeth, N. J. Apparatus for full fusion welding of rails. 2,469,062, May 3.
Beisser, Harry, Oakland, Calif. Key cutting machine. 2,469,027, May 3.
Beialeff, James F., assignor to two-thirds to Cyril Herence Delaney and Gallay, Limited, London, England. Plate type heat exchanger. 2,469,028, May 3.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Felch, Edwin P., Jr., and Slonczewski.
Peek, Robert L., Jr.
Potter, James A.
Scott, Walter F.
Truckness, David E.
Belter, Paul A.: *See*—
Beckel, Arthur C., and Belter.
Beman, Warren A.: *See*—
Armstrong, Eldon L., and Beman.
Bendix Aviation Corporation, assignee: *See*—
Winkler, Albert H.
Benner, Robert: *See*—
Warnock, Orin B., and Benner.
Bennett, Irving J. Venger, and G. C. Waddell, Beaver Falls, Pa. Plural target eye-testing device. 2,468,953, May 3.
Berger, Emil J., and H. K. West, assignors to The Dexdale Hosiery Mills, Lansdale, Pa. Racking mechanism for knitting machines. 2,468,728, May 3.
Berthies, Charles W., Paris, France. Protecting device for the commutator and brushes of dynamo machines. 2,469,029, May 3.
Beynon, Nathan T., Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Wrinkle flexible material with rubber solution coating. 2,468,724, May 3.
Bide, Austin E., H. J. Nicholls, and P. A. Wilkinson, London, assignors to Glaxo Laboratories Limited, Greenford, England. Preparation of derivatives of cholesterol. 2,468,859, May 3.
Bivens, George H., Johnstown, Pa. Ingot mold cleaner. 2,469,148, May 3.
Black, Eric A., Red Bank, N. J. Anchorage. 2,468,729, May 3.
Blackwelder, Horace L., Salisbury, N. C. Space heater. 2,469,149, May 3.
Blaine, Robert P.: *See*—
Held, Fred J., Jr., and Blaine.
Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preserving rubber. 2,469,101, May 3.
Bliss, William H., Natchitoches, La. Pan-tilt tripod head. 2,469,063, May 3.
Block, Richard J., Scarsdale, and H. W. Howard, Irvington, assignors to The Borden Company, New York, N. Y. Purifying casein. 2,468,730, May 3.
Blossom Products Corporation, assignee: *See*—
Smicker, Emma A.
Boak, Willis E., Burton, Ohio, assignor to The American Steel and Wire Company of New Jersey. Wire coating compositions. 2,469,150, May 3.
Boehme, Werner R.: *See*—
Huber, Wolfgang, and Boehme.
Bohn, Donald I.: *See*—
McArthur, Bruce E., Bohn, and Wagner.
Bonham, Louis E., Birmingham, Ala. Valve for multicell innertubes. 2,468,954, May 3.
Bonnet, André, Vaulx-en-Velin, and P. Coatet, La Voulte-sur-Rhone, France, assignors to Comptoir des Textiles Artificiels. Purifying sodium sulfate. 2,468,803, May 3.
Booge, James E., and H. C. Gulledge, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Method for producing organic titanium compounds. 2,468,916, May 3.
Boone, Paul D., assignee: *See*—
Turk, Amos.
Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Control system. 2,468,917, May 3.
Borden Company, The, assignee: *See*—
Block, Richard J., and Howard.
Borkland, Gustave W., Marion, Ind. Production of ornamented embossed articles. 2,468,731, May 3.
Born, Leo W.: *See*—
Beard, Joseph G., and Born.
Bouc, Charles A., Chicago, Ill. Tree holder. 2,469,192, May 3.
Boulicault, Marcel, St. Louis, Mo. Teeth cleaning unit. 2,468,732, May 3.
Boulicault, Marcel, St. Louis, Mo. Teeth cleaning unit. 2,468,733, May 3.
Bowers, Carl E., Los Angeles, Calif. Toy riding spur. 2,468,918, May 3.
Brakman, Abram L., Rochester, N. Y. Dusting brush for vacuum cleaners. 2,469,256, May 3.
Branson, Otis L., Beaumont, Tex., assignor to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons. 2,469,325, May 3.
Brant, David O., Beverly Hills, Calif. Variable delivery rotary pump. 2,468,734, May 3.
Breisch, Edgar W., Edgewood, and J. L. Seits, Wilkinsburg, assignors to The Union Switch and Signal Company, Swissvale, Pa. Train carried transmitting loop for train communication systems. 2,469,102, May 3.
Bremer, Richard, Muskegon, Mich. Automobile door repair bench. 2,469,151, May 3.
Brets, Everett M. and M. V., De Ridder, La. Mower sharpener. 2,468,860, May 3.
Brets, Mary V.: *See*—
Brets, Everett M. and Mary V.
Breymeier, Rudolph T., Niagara Falls, N. Y., assignor to The Linde Air Products Company. Fluid-cooled gas blanketed arc-welding torch. 2,468,804, May 3.
Brickman, Alan E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Fitting for wire structures. 2,469,257, May 3.
Bridge, Walter, Birkenhead, and J. Matchet, Liverpool, England, assignors to Imperial Chemical Industries, Limited. Production of chloral alcoholate. 2,468,861, May 3.
Briggs, Southwick W., Washington, D. C. Fluid filtering element. 2,468,862, May 3.
Bristol Company, The, assignee: *See*—
Russell, John L.
Brock, Harold L., Detroit, and C. F. Kramer, Birmingham, assignors to Ford Motor Company, Dearborn, Mich. Tractor radiator grille. 2,468,809, May 3.
Brockley, Jacob, Newport. News, Va. Sharpener. 2,469,258, May 3.
Brotman, Hyman D., Detroit, Mich. Washing machine drive. 2,468,919, May 3.
Brown, Arthur R., Old Bridge, and R. T. Hucks, South Itiver, N. J., and C. W. Johnson, Flint, Mich., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hammered metal finish compositions. 2,468,920, May 3.
Brown, Holwin T., assignor to Troutman Shirt Company, Troutman, N. C. Pocket structure. 2,468,955, May 3.
Brown, Howard P., Meridian, Miss. Trailer dolly. 2,469,152, May 3.
Brown, William A., Bronx, N. Y., assignor, by mesne assignments, to Hartford-Empire Company, Hartford, Conn. Paste-applying mechanism. 2,469,030, May 3.
Brubaker, Jacob Z., Manheim, Pa. Thermostat controlled means for maintaining dual temperature in motors. 2,468,735, May 3.
Bruce, Stanford P., assignor to Wheel Trueing Tool Company, Detroit, Mich. Grinding wheel dressing mechanism. 2,468,921, May 3.
Bruegger, Ernest, Massillon, Ohio, assignor to The Gris-com-Russell Company, New York, N. Y. Apparatus for use in making precoiled helical fins. 2,469,223, May 3.
Brush Development Company, The, assignee: *See*—
Kjellgren, Bengt R. F.
Bryant, Harold W.: *See*—
Cornthwaite, William R., and Bryant.
Budd Company, The, assignee: *See*—
Watter, Michael.
Buffalo Pottery Incorporated, assignee: *See*—
Gould, Robert E.
Bulkley, William L., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigerating system. 2,469,153, May 3.
Bunnell, Raymond H., and D. B. Hatcher, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Preparation of organo-silicon compositions containing rapidly polymerizable olefinic double bonds. 2,469,154, May 3.
Burchett, Ray L., East Orange, assignor to Ronson Art Metal Works, Inc., Newark, N. J. Pyrophoric lighter. 2,468,810, May 3.
Burg, Martin S., Chicago, Ill., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Core oils. 2,468,956, May 3.
Burgess, William E., New Orleans, La. Air conditioner. 2,469,259, May 3.
Burks, George E., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Resilient mounting for tractor track idlers. 2,468,957, May 3.
Burns, Francis A., Townsend, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe and bottom member. 2,468,863, May 3.
Bush Manufacturing Company, The, assignee: *See*—
La Pointe, Raymond E.
Bussey, William H., assignor to M-K Enterprises, Inc., Chicago, Ill. Variable phase shifter. 2,469,155, May 3.

Butler, Benjamin J., West Roxbury, assignor to Raytheon Manufacturing Company, Newton, Mass. Slotted cathode structure. 2,468,736, May 3.
Caesar, Philip D., Wenonah, and A. N. Sachanen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Interpolymerization of thiophene and butadiene. 2,469,326, May 3.
Caine, William P., Birmingham, Ala. Compressor unloader. 2,469,224, May 3.
Calfee, John D., Manhasset, and P. A. Florio, Brooklyn, N. Y., assignors to Allied Chemical & Dye Corporation. Making tetrachlorodifluoroethane. 2,469,290, May 3.
California Research Corporation, assignee: *See*—
Dimpfl, Ludwig H., and Elwell.
Meier, Richard L., and Elwell.
Campbell, Edmund M., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Adhesive compress. 2,469,064, May 3.
Campbell, Warren M.: *See*—
Campobasso, John J., and Campbell.
Campbell, Warren M., Winthrop, Mass. Sewage treatment and oil and water separation. 2,468,864, May 3.
Campobasso, John J., Arlington, and W. M. Campbell, Winthrop, Mass. Sewage treatment. 2,468,865, May 3.
Candler, Arthur V. B., assignor to Maloney-Crawford Tank & Manufacturing Co., Tulsa, Okla. Apparatus for treating crude oil vapors. 2,468,958, May 3.
Canfora, Arthur E., Brooklyn, N. Y., assignor to Radio Corporation of America. Electronic counter circuit. 2,469,031, May 3.
Cannon, Frank, Rhinecliff, N. Y. Key case. 2,468,950, May 3.
Carborundum Company, The, assignee: *See*—
Williamson, John A.
Cargill, Louis H., Jenkintown, assignor to Specialty Packaging Company, Prospect Park, Pa. Packaging. 2,469,156, May 3.
Carlson, Lyle A., Oakville, Conn. Yarn bobbin. 2,469,103, May 3.
Carnegie-Illinois Steel Corporation, assignee: *See*—
Greulich, Gerald G.
Markle, Glenn R.
Carrier Corporation, assignee: *See*—
Shepherd, Daniel F.
Carroll, William E., Rockville, Md. Surcingle. 2,468,811, May 3.
Case, John S., Baltimore, Md. Valve device. 2,468,960, May 3.
Cataldo, John B.: *See*—
O'Brien, Joseph F., and Cataldo.
Caterpillar Tractor Co., assignee: *See*—
Burks, George E.
Celanese Corporation of America, assignee: *See*—
Whitehead, William.
Woodman, Thomas C.
Cellulplastic Corporation, assignee: *See*—
Rodman, Isaac P., Jr.
Centre d'Etudes M. B. A. (Mecanique, Ballstique Armement), assignee: *See*—
Gourdon, Robert.
Chalk, Bennett, Far Rockaway, N. Y. Truss. 2,469,260, May 3.
Chaudron, Percy O., Cedartown, Ga. Individual tea and coffee service. 2,469,032, May 3.
Cherney, Michael, North Tarrytown, assignor of one-half to J. B. Danis, New City, N. Y. Digit indicator for slide rules. 2,468,812, May 3.
Chrysler Corporation, assignee: *See*—
Herreshoff, Alexander G., and Lamb.
Ross, Walter G.
Chung, Paul K.: *See*—
Hartough, Howard D., and Chung.
Ciba Pharmaceutical Products, Inc., assignee: *See*—
Miescher, Karl, and Rometsch.
Cisneros, Consuelo G., Hollywood, Calif. Tatting shuttle. 2,469,291, May 3.
Clossen, Andrew J.: *See*—
Yeager, Milburn E., and Clossen.
Coca-Cola Company, The, assignee: *See*—
Copping, Bruce G.
Cohn, Edwin J., Cambridge, Mass., assignor to Research Corporation, New York, N. Y. Protein fractionation. 2,469,193, May 3.
Coleman Company, Inc., The, assignee: *See*—
Pullis, Boyd W.
Collier, William S., Danville, Ill. Oil filter and cooler. 2,468,866, May 3.
Collins, Elvin B., Calvert, Tex. Internal expanding pipe wrench. 2,468,867, May 3.
Comptoir Des Textiles Artificiels, assignee: *See*—
Bonnett, Andre, and Coatet.
Rey, Augustin.
Conrad, Keith, and J. W. Hackett, Toledo, Ohio. Electric motor. 2,469,104, May 3.
Continental Foods, Inc., assignee: *See*—
Galvin, Stephen L.
Cook, Thomas L., San Francisco, Calif. Machine for applying labels to containers. 2,468,922, May 3.
Cooper, Benjamin, New York, N. Y., and A. F. Hohmann, Teaneck, N. J.; said Hohmann assignor to said Cooper. Electric iron having a supporting mechanism. 2,468,813, May 3.
Cooper, Fred B., Moose Jaw, Saskatchewan, Canada. Teeth cleaning assembly. 2,469,261, May 3.
Cooper, Roland S.: *See*—
Karlsson, Per Hilmer, and Cooper.
Copping, Bruce G., Fulton County, Ga., assignor to The Coca-Cola Company, Wilmington, Del. Beverage dispensing device. 2,469,327, May 3.
Cordier, David E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Thermosetting urea-formaldehyde composition. 2,469,157, May 3.
Corliss, Lester M.: *See*—
Stareck, Jesse E., and Corliss.
Cornell-Dubilier Electric Corporation, assignee: *See*—
Hings, Donald L.
Mas, José A.
Corning Glass Works, assignee: *See*—
Dundt, William H.
Cornthwaite, William R., Wilmington, Del., and H. W. Bryant, Niagara Falls, N. Y.; assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl acetate polymerization process. 2,468,923, May 3.
Cornwell, Catherine B., Belmont, Calif. Drinking tube holder. 2,469,292, May 3.
Cox, George R., Detroit, Mich., assignor to Eureka Williams Corporation. Seal. 2,469,065, May 3.
Coatet, Pierre: *See*—
Bonnet, Andre, and Coatet.
Courtier, Edward W., assignor to Swenson Evaporator Company, Harvey, Ill. Seal. 2,468,924, May 3.
Costant, André C., and J. Mathot, Paris, France. Exposure lens finder for cameras having adjustable sighting position. 2,468,814, May 3.
Cox, Claude R., assignor to Andrew Corporation, Chicago, Ill. Dry-air pump. 2,469,328, May 3.
Crampton Manufacturing Company, assignee: *See*—
Pleasant, Herman E.
Crawford, Chester C.: *See*—
Legatski, Harold R., and Crawford.
Cressaty, George M., assignee: *See*—
Rosin, Seymour, and Cressaty.
Crompton & Knowles Loom Works, assignee: *See*—
Turner, Richard G.
Crouch, Willie W.: *See*—
Schulze, Walter A., and Crouch.
Crowley, John A., Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for conducting reactions in the presence of a solid material. 2,469,329, May 3.
Cumming, James M.: *See*—
Wallace, James M., Rawlins, Cumming, and Aspey.
Curphy, William C., Montour, Iowa. Exhaust pipe attachment. 2,468,961, May 3.
Curtis, Lewis G.: *See*—
Bedworth, Arthur H., and Curtis.
Cutler-Hammer, Inc., assignee: *See*—
Mekelburg, Harold L.
Czak, Edwin E., Elyria, Ohio. Auxiliary table top. 2,468,962, May 3.
Danis, Joseph B., assignee: *See*—
Cherney, Michael.
Danzin, André, and E. Despois, Paris, France, assignors to Societe Francaise Radio-Electrique. Glass of very rapid fusion and high point of transformation. 2,468,868, May 3.
Daudt, William H., assignor to Corning Glass Works, Corning, N. Y. Organosilicon compositions and making them. 2,468,869, May 3.
Davidson, Hobart O., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Filtration. 2,469,293, May 3.
Davidson, John H., United States Navy, South Haven, assignor to The Dow Chemical Company, Midland, Mich. Preventing arsenical injury to plants. 2,469,330, May 3.
Davis, Harold B.: *See*—
Kelley, Eugene B., and Davis.
Davis, Thomas McL., Washington, D. C. Electrical connecting fixture. 2,468,737, May 3.
Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Induction motor control system. 2,469,294, May 3.
Day, James R., Peconic, N. Y., assignor to Radio Corporation of America. Pulse multiplex receiver. 2,469,066, May 3.
De Angelis, John A.: *See*—
Murdock, Frederick D., and De Angelis.
Dear, Alexander T. C., Hill Top, West Bromwich, assignor to Lewin Road Sweepers Limited, West Bromwich, England. Refuse collector. 2,469,033, May 3.
De Boer, Herman O., Lombard, Ill. Floor roller construction. 2,468,925, May 3.
DeFrees, Joseph H., assignor to Pennsylvania Furnace and Iron Company, Warren, Pa. Spring loading means. 2,469,158, May 3.
De Olers, Clarence A., Forest Hills, assignor to The Liquidometer Corporation, Long Island City, N. Y. Weatherproof transmitter resistor device. 2,469,106, May 3.
De Jur-Amsco Corporation, assignee: *See*—
Moomaw, Lewis H.
Delaney, Cyril T., and Gallay, Limited, assignee: *See*—
Beialeff, James F.
Delvaux, Jean L., Paris, France, assignor to General Electric Company. Reactance tube circuit. 2,469,194, May 3.

Dempsey, Oscar E., assignor to Dempsey Pump Co., Tulsa, Okla. Flowing wells. 2,469,225, May 3.
Dempsey Pump Co., assignee: *See*—
Dempsey, Oscar E.
Despois, Edouard: *See*—
Danain, Andre, and Despois.
Dexdale Hosiery Mills, The, assignee: *See*—
Berger, Emil J., and West.
Dickerman, Fred N., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Landing gear for aircrafts. 2,469,106, May 3.
Dictograph Products Company, Inc., assignee: *See*—
Albrecht, Jacob W.
Dilg, Walter C.: *See*—
Munro, George R., and Dilg.
Dimpfl, Ludwig H., and W. E. Elwell, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Chlorinated wax-polystyrene composition. 2,469,107, May 3.
Disio Corporation, assignee: *See*—
Trainor, Foster J.
Dixon, Joseph, Crucible Company, assignee: *See*—
Miller, Kay.
Dombrowiak, Joseph R., Portland, Oreg. Passenger escape for vehicles. 2,469,159, May 3.
Dormeyer Corporation, assignee: *See*—
Kennedy, Verne C.
Douglass, Myrl R., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 2,468,815, May 3.
Dow Chemical Company, The, assignee: *See*—
Davidson, John H.
Griess, Gerald A., and Teot.
Morris, Earl D., and Griess.
Young, Arthur E., and Hoogsteen.
Young, Arthur E., and Stilbert.
Doyle, Vaughn H., assignee: *See*—
Peterson, Karl O.
Drake, Francis M., Woodbridge, N. J., assignor to The Linde Air Products Company. Gas blanketed arc welding. 2,468,808, May 3.
Dressler, Robert F.: *See*—
Beard, Joseph G., and Dressler.
Dubeau, Archie L.: *See*—
Vincent, George P., and Dubeau.
Duce, Ralph E., Kokomo, Ind., assignor to Haynes Stellite Company. Making composite welded articles. 2,468,816, May 3.
Duchin, Viva, New York, N. Y. Pocket container for postage stamps. 2,468,817, May 3.
Dudley, Leslie P. C. J., Twickenham, assignor to Stereoptics Limited, London, England. Making stereoscopic X-ray photographs. 2,468,963, May 3.
Dunham, Edward W.: *See*—
Wiegert, Wallace A., and Dunham.
Dunn, Albert, and O. C. Elland, Mount Rainier, Md. Hydraulic transmission. 2,468,964, May 3.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Booge, James E., and Gulledge.
Brown, Arthur R., Hucks, and Johnson.
Cornthwaite, William R., and Bryant.
Gresham, William F., and Gribbins.
Miller, Charles F.
Dorfee, Walter W., and J. P. Foley, Lorain, Ohio, assignors to National Tube Company. Blowing in blast furnaces. 2,468,738, May 3.
Eagle Signal Corporation, assignee: *See*—
Pearson, Frank A.
Eastman Kodak Company, assignee: *See*—
Hegemeyer, Hugh J., Jr.
Eaton, John L., Trenton, and J. B. Fenn, Riverview, Mich., assignors to Sharples Chemicals Inc., Philadelphia, Pa. Condensation of olefinic compounds with hydrogen sulfide. 2,468,739, May 3.
Eckles, Howard W.: *See*—
Lindberg, Caryl A., and Eckles.
Eggers, Alfred G., assignor to Horix Manufacturing Company, Pittsburgh, Pa. Lathe with variable speed carriage feed. 2,469,262, May 3.
Elland, Odus C.: *See*—
Dunn, Albert, and Elland.
Eitel-McCullough, Inc., assignee: *See*—
Eitel, William W., and McCullough.
Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough Inc., San Bruno, Calif. Electron tube. 2,469,331, May 3.
Ekstrom, Earl A., Saugus, assignor to Fort Hill Engraving Company, Boston, Mass. Electrically heated gilding tool. 2,468,965, May 3.
Electric & Musical Industries Limited, assignee: *See*—
Pearce, Albert F.
Electric Storage Battery Company, The, assignee: *See*—
Murphy, Harold P.
Electrolux Corporation, assignee: *See*—
Wahlberg, Eric C.
Elmendorf, Harold J.: *See*—
Barnes, Raleigh H., and Elmendorf.
Else, Walter J., Everett, Wash. Smoke actuated fire alarm. 2,468,740, May 3.
Elwell, William E.: *See*—
Dimpfl, Ludwig H., and Elwell.
Meier, Richard L., and Elwell.
Emerson Electric Manufacturing Company, The, assignee: *See*—
Lindberg, Caryl A., and Eckles.
Emerson, John H., Cambridge, Mass. Breathing apparatus. 2,468,741, May 3.
Emsio Braid Corporation, assignee: *See*—
Loader, Hector.
Enterprise Railway Equipment Company, assignee: *See*—
Zimmer, Albert E.
Eshbaugh, Jesse E., Flint, assignor to General Motors Corporation, Detroit, Mich. Coolant relief valve. 2,469,195, May 3.
Eskow, Seymour, Taunton, Mass. Manufacture of rug braids. 2,468,870, May 3.
Eureka Williams Corporation, assignee: *See*—
Coes, George E.
Evans, Leigh R., assignor to Hardinge Brothers, Inc., Elmira, N. Y. Work stop for use with collets. 2,469,160, May 3.
Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons. 2,469,832, May 3.
Excel Movie Products, Inc., assignee: *See*—
Lloyd, Whitten P.
Fairchild Engine and Airplane Corporation, assignee: *See*—
Hammer, Charles E.
Farmer, Earl W., Deephaven, Minn. Toy gear. 2,468,966, May 3.
Farrell, Frederick L.: *See*—
Farrell, Sydney T., and Farrell.
Farrell, Sydney T., and F. L. Farrell, Belmont, Mass. Belt driving mechanism. 2,469,296, May 3.
Farrell, Sydney T., and F. L. Farrell, Belmont, Mass. Pulley. 2,469,297, May 3.
Farrell, Sydney T., and F. L. Farrell, Belmont, Mass. Machine gun mount. 2,469,333, May 3.
Faulhaber, Roland W., Monroeville, Ohio, assignor, by meane assignments, to C. W. Norton, Jr., Chicago, Ill. Baby bather. 2,468,742, May 3.
Feich, Edwin P., Jr., Chatham, N. J., and T. Slonczewski, Glenwood Landing, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic field strength indicator. 2,468,968, May 3.
Fenn, John B.: *See*—
Eaton, John L., and Fenn.
Fischer, Henry J., Warren Township, Macomb County, Mich. Galloping hobbyhorse. 2,469,263, May 3.
Fisher, George R. L. S., Pendock, Staunton, England. Permutation lock. 2,468,967, May 3.
Fitch, Herbert F., Norwalk, Conn. Auxiliary feeder for hat formers. 2,469,161, May 3.
Florio, Patrick A.: *See*—
Caltee, John D., and Florio.
Florsheim Shoe Company, The, assignee: *See*—
Pick, Oswald M., and Goodman.
Foley, John P.: *See*—
Durfee, Walter W., and Foley.
Follin, Cornelius M., La Mesa, Calif. Ice cube tray. 2,469,067, May 3.
Food Machinery and Chemical Corporation, assignee: *See*—
Low, Frank S.
Wilbur, Paul C.
Ford Motor Company, assignee: *See*—
Brock, Harold L., and Kramer.
Rivard, Lawrence B., and McCarthy.
Rowland, George D., and Morris.
Ford, Shelley W., assignor of one-half to J. F. Gagel, Dayton, Ohio. Automobile body construction. 2,469,068, May 3.
Forni, George P., Emeryville, Calif. Rotary drier. 2,468,871, May 3.
Forse, Harry D., Anderson, Ind. Collar clamping apparatus. 2,469,226, May 3.
Fort Hill Engraving Company, assignee: *See*—
Ekstrom, Earl A.
Fort Howard Paper Company, assignee: *See*—
Sobota, John.
Fox, Leonard, Buffalo, and R. Remick, New York, N. Y. Electrically heated dental spatula. 2,468,818, May 3.
Fram Corporation, assignee: *See*—
Aldham, Thomas E.
Fraser, Robert M., Baldwin, N. Y., assignor to Radio Corporation of America. Electronic wave generating method and means. 2,469,227, May 3.
Fries, Karl W., assignor to Rhinelander Paper Company, Rhinelander, Wis. Wax-polyamide-pinene resin coating composition. 2,469,108, May 3.
Frost, George E., Schenectady, N. Y. Protective system. 2,468,743, May 3.
Fry, Benjamin W., Ladue, assignor to National Vendors, Inc., St. Louis, Mo. Article dispensing apparatus. 2,468,819, May 3.
Furnas Electric Company, assignee: *See*—
Koertge, Nobel H.
Gagel, J. Frederic, assignee: *See*—
Ford, Shelley W.
Galey, James O., Nashville, Tenn. Magnetic doorstop. 2,468,969, May 3.
Galvin, Stephen L., North Bergen, assignor to Continental Foods, Inc., Hoboken, N. J. Packaged food composition. 2,468,744, May 3.

Garand, John C., Springfield, Mass. Broaching cutter. 2,468,745, May 3.
Garrett, Emil, Quantico, Va. Flash hider for machine guns. 2,468,926, May 3.
Garris, Marian A., Seattle, Wash. Combined condiment container. 2,469,034, May 3.
Garvait, Henry, assignor, by means assignments, to Van Horne Kaestner Leather Co., Milwaukee, Wis. Manufacturing shoe counters. 2,468,927, May 3.
Gehman, John B., Haddonfield, and A. H. Turner, Collingswood, N. J., assignors to Radio Corporation of America. Radio-frequency distribution transformer. 2,469,162, May 3.
General Electric Company, assignee: *See*—
Adamson, Arthur P.
Delvaux, Jean L.
Palme, Arthur, and McCarty.
Powers, James H.
Rich, Theodore A.
Scheldorf, Marvel W.
Shea, Richard F.
Shuler, Sanford A., Jr.
Smith, Sidney B., Jr.
Sway, Henry C.
Thomas, Henry P.
General Engineering and Dry Dock Corporation, assignee: *See*—
Tydeman, Clarence W.
General Motors Corporation, assignee: *See*—
Eshbaugh, Jesse E.
Roedding, Gordon E.
Rossman, Edwin F.
Schwartzwalder, Karl, and Schaefer.
Smith, Rolf M.
Spunt, Leo, and Gould.
General Tire & Rubber Company, The, assignee: *See*—
Thiry, Leon F.
Genesee Research Corporation, assignee: *See*—
White, Chester M.
Gertler, Samuel I., Washington, D. C., dedicated to the free use of the People in the Territory of the United States. Insect repellent. 2,469,228, May 3.
Gilbert & Barker Manufacturing Company, assignee: *See*—
Logan, Joseph A.
Gilbertson, Clarence R., Spokane, Wash. Gear or wheel puller. 2,468,970, May 3.
Gilmore, Chace D., West Chester, Pa. Candleholder. 2,469,163, May 3.
Gilmore, Edward M., Jr., assignor to Imagineering Corporation, Chicago, Ill. Rack structure. 2,469,298, May 3.
Glaxo Laboratories Limited, assignee: *See*—
Bide, Austin E., Nicholls, and Wilkinson.
Goddard, Ester C., executrix: *See*—
Goddard, Robert H.
Goddard, Robert H., deceased, late of Annapolis, Md., by E. C. Goddard, executrix, Worcester, Mass., assignor of one-half to The Daniel and Florence Guggheim Foundation, New York, N. Y. Cooling projected devices. 2,468,820, May 3.
Goecke, Rudolph F., Elyria, Ohio, assignor to The Pfaudler Co., Rochester, N. Y. Noncorrodible valve. 2,469,109, May 3.
Goldberg, Edwin A., Princeton, N. J., assignor to Radio Corporation of America. Generation and modulation of alternating current signals. 2,469,264, May 3.
Goldberg, Harry, assignor by mesne assignments, to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Magneto magnet. 2,469,196, May 3.
Goldsberry, Albert W., Northbrook, and H. S. Martin, Glenview, assignors to The Pure Oil Company, Chicago, Ill. Distilling head. 2,468,872, May 3.
Goodman, Bennett E.: *See*—
Pick, Oswald M., and Goodman.
Goodrich, B. F., Company, The, assignee: *See*—
Beber, Adolph J.
Heid, Fred J., Jr., and Blaine.
Hollis, Arthur L.
Jansen, Jacob E.
Krots, Alvin S.
Sundet, Sherman A.
Goodstein, Charles B., Newton Highlands, Mass. Brad. 2,468,821, May 3.
Gould, Bruce A.: *See*—
Spunt, Leo, and Gould.
Gould, Robert E., Hamburg, assignor to Buffalo Pottery Incorporated, Buffalo, N. Y. Apparatus for preparing bungs of ceramic ware for firing. 2,469,229, May 3.
Gourdon, Robert, assignor to Centre d'Etudes M. B. A. (Mecanique, Balistique, Armement), Paris, France. Electromechanical device for governing predetermined changes of positions. 2,469,035, May 3.
Gray, Harold F., Jr.: *See*—
Adelson, David E., and Gray, Jr.
Grazier, Don C., Dixon, Mont. Trolley suspended playground device. 2,469,069, May 3.
Great Southern Box Company, Inc., assignee: *See*—
Barter, Bert H.
Greensfelder, Bernard S., Oakland, and R. J. Moore, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of improved Diesel engine fuels by the catalytic isomerization of high boiling paraffins. 2,468,746, May 3.
Greer, Edward M.: *See*—
Mercier, Jean, and Greer.
Greer Hydraulics, Inc., assignee: *See*—
Mercier, Jean, and Greer.
Gregg, Lester M., Newport, Wash. Post driver. 2,468,971, May 3.
Gresham, William F., and M. F. Gribbins, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of long-chain esters of beta-thiodipropionic acid. 2,468,725, May 3.
Greulich, Gerald G., Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation. Open floor grating and making same. 2,469,070, May 3.
Gribbins, Myers F.: *See*—
Gresham, William F., and Gribbins.
Griesinger, William K., Drexel Hill, assignor to the Atlantic Refining Company, Philadelphia, Pa. Production of hydrocarbon resins. 2,468,822, May 3.
Griess, Gerald A.: *See*—
Morris, Earl D., and Griess.
Griess, Gerald A., and A. S. Teot, assignors to The Dow Chemical Company, Midland, Mich. Interpolymers of drying oils, mono-alkenyl-aromatic hydrocarbons, and divinyl-benzene. 2,468,747, May 3.
Griess, Gerald A., and A. S. Teot, assignors to The Dow Chemical Company, Midland, Mich. Drying oil-styrene interpolymers. 2,468,748, May 3.
Griscom-Russell Company, The, assignee: *See*—
Bruegger, Ernest.
Groh, Bernard C., Orange, N. J., assignor to The United States of America as represented by the Secretary of War. Telephone switchboard system. 2,468,749, May 3.
Grotelite Company, Inc., The, assignee: *See*—
Richardson, Henry M.
Gudenrath, George L., assignor to Hudson Engineering Corporation, Houston, Tex. Separating hydrocarbons. 2,468,750, May 3.
Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*—
Goddard, Robert H.
Gulf Research & Development Company, assignee: *See*—
Rocchini, Albert G.
Gulledge, Hugh C.: *See*—
Booge, James E., and Gulledge.
Gump, Richard A., assignee: *See*—
James, Frazier N.
Hackett, James W.: *See*—
Conrad, Keith, and Hackett.
Hagerty, Robert J., San Gabriel, Calif. Moisture measuring and calibrating apparatus for tree culture. 2,468,972, May 3.
Hambrock, Ida, Toledo, Ohio. Multisectioned folder. 2,468,973, May 3.
Hammer, Charles E., Hagerstown, Md., assignor to Fairchild Engine and Airplane Corporation. Rotary switch. 2,468,974, May 3.
Hansen, William W., Garden City, and R. H. Varian, Bellmore, N. Y., assignors to The Sperry Corporation. Object detecting and locating system. 2,468,751, May 3.
Hansen, William W., and S. F. Varian, Garden City, and R. H. Varian, Wantagh, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Electronic oscillator-detector. 2,468,028, May 3.
Harding, Hiram R., Baltimore, assignor of fifty per cent to H. E. Karr, Baltimore County, Md., and twenty-five per cent to L. C. Harding, Hopewell, Va. Locked couplings. 2,469,111, May 3.
Harding, Logan C., assignee: *See*—
Harding, Hiram R.
Hardinge Brothers, Inc., assignee: *See*—
Evans, Leigh R.
Harper, Elmer E., deceased, Monrovia, Calif.; E. P. Harper, executrix. Automatic apparatus for feeding liquid or gaseous materials. 2,469,230, May 3.
Harper, Esther P., executrix: *See*—
Harper, Elmer E.
Hart, John M., Fort Worth, Tex. Sheet metal shears. 2,469,036, May 3.
Hartford-Empire Company, assignee: *See*—
Brown, William A.
Hartford National Bank and Trust Company, assignee: *See*—
Oosterkamp, Wilbe J., and Vingerhoets.
Hartough, Howard D.: *See*—
Kosak, Alvin I., and Hartough.
Hartough, Howard D., Pitman, and P. K. Chung, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Haloalkylation of aromatic hydrocarbons. 2,469,334, May 3.
Harvey, James W., Lakeville, Conn. Fisherman's barrel knot tier. 2,469,037, May 3.
Harvey, Sidney M., Detroit, Mich. Welding electrode holder switch. 2,468,873, May 3.
Hatcher, David B.: *See*—
Hunnell, Raymond H., and Hatcher.
Hatfield, John E., Leitchworth, England, assignor, by mesne assignments to Irving Air Chute Co. Inc., Buffalo, N. Y. Cutting and/or marking apparatus. 2,469,299, May 3.
Hathaway, Claude M., Denver, Colo. Oscillograph. 2,469,265, May 3.

Hawkes, Lawrence H., Cannelton, W. Va. Mine trap door. 2,469,164, May 3.

Hawkins, Karl G. E., Park Ridge, Ill. Torsion driven tool. 2,468,874, May 3.

Haynes Stellite Company, assignee: *See*—
Duce, Ralph E.

Haseltine Research, Inc., assignee: *See*—
Loughlin, Bernard D.
Okrent, Jasper J.

Hegemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing β-lactones. 2,469,110, May 3.

Heinrich, August H., Euclid, assignor to Auto Diesel Piston Ring Company, Cleveland, Ohio. Piston rod packing. 2,468,752, May 3.

Held, Fred J., Jr., and R. P. Blaine, Cleveland, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Plastic composition comprising vinyl resin and dicarbouate ester. 2,468,975, May 3.

Heller, Herman S., assignee: *See*—
Ross, Donsid E., and Stofer.

Helwig, Wilbur R., Baltimore, Md. Circle cutting blow-pipe machine. 2,469,112, May 3.

Henderson, Lloyd F., Reading, and L. H. Libby, Boston, assignors to Lever Brothers Company, Cambridge, Mass. Bleaching oils and fats. 2,468,753, May 3.

Henrikson, Karl E., Indianapolis, Ind. Radial clearance gauge. 2,468,875, May 3.

Herbst, Harry T., Roselle, N. J., assignor to The Linde Air Products Company. Fluid cooled gas blanketed arc-welding torch. 2,468,805, May 3.

Herbst, Harry T., Roselle, N. J., assignor to The Linde Air Products Company. Water-cooled gas blanketed arc-welding torch. 2,468,807, May 3.

Hermann, Clarence C., Grosse Pointe Park, Mich., assignor to C. B. Schnaible. Separating apparatus. 2,469,197, May 3.

Hermanson, William A., Boston, Mass. Sanitary pad. 2,468,876, May 3.

Herrenhoff, Alexander G., Orosne Pointe, and W. Lamb, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Inverted V-type engine. 2,468,976, May 3.

Hewitt, John E.: *See*—
Abrahamiae, Henry L., and Hewitt.

Heyneman, William J., Portsmouth, Va. Tire. 2,469,300, May 3.

Hillier, James, Cranbury, N. J., assignor to Radio Corporation of America. Correction device for electron lenses. 2,469,165, May 3.

Hings, Donald L., Ottawa, Ontario, Canada, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Discharge wave generator. 2,468,754, May 3.

Hobbs, George L., Glendale, Calif. Pedal extension and footrest attachment for pianos. 2,468,977, May 3.

Hoerr, Charles W., assignor to Armour and Company, Chicago, Ill. Fatty acid amine ealt composition. 2,468,755, May 3.

Hohmann, Albert F.: *See*—
Cooper, Benjamin, and Hohmann.

Holley, Earl, assignee: *See*—
Orr, A. William, Jr.

Holley, George M., assignee: *See*—
Orr, A. William, Jr.

Hollis, Arthur L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composition of matter comprising carbon black and alkyl thiazyl disulfides. 2,468,978, May 3.

Holst, Knute A., Astoria, Long Island, assignor to Pitometer Log Corporation, New York, N. Y. Shaft seal. 2,469,114, May 3.

Holt, William E. and W. R., Oakland, Calif. Drive unit for floor treating machines. 2,468,929, May 3.

Holt, William R.: *See*—
Holt, William E. and W. R.

Hoogsteen, Harold M.: *See*—
Young, Arthur E., and Hoogsteen.

Hooker, Howard W., assignor to Philco Corporation, Philadelphia, Pa. Latch mechaniam. 2,469,113, May 3.

Hopping, Charles O., Long Beach, Calif. Puncture sealing Composition. 2,469,039, May 3.

Horix Manufacturing Company, assignee: *See*—
Eggers, Alfred G.

Horton, William P., Newburyport, Mass. Fish bait. 2,468,877, May 3.

Houdaille-Hershey Corporation, assignee: *See*—
McLauchlan, John.

Housepian, Edgar M., New York, N. Y. Clamp. 2,468,823, May 3.

Howard, Charles W., Long Beach, Calif. Wheel type target member. 2,468,979, May 3.

Howard, Hartley W.: *See*—
Block, Richard J., and Howard.

Howell, Hugh A., Valparaiso, Ind., assignor to The Indiana Steel Products Company, Chicago, Ill. Magnetic transducer having an irregular nonmagnetic gap. 2,469,266, May 3.

Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Piston sealing structure. 2,468,980, May 3.

Huber, Wolfgang, Kings County, N. Y., and W. R. Boehme, Prince Georges County, Md., assignors to Winthrop-Stearns Inc., New York, N. Y. Thiamine 2-ethylhexyl sulfate. 2,468,930, May 3.

Hucks, Robert T.: *See*—
Brown, Arthur R., Hucks, and Johnson.

Hudson, Edwin B., Middletown, Ohio, assignor to Armco Steel Corporation. Car wheel construction for resisting the transmission of vibrations. 2,468,931, May 3.

Hudson Engineering Corporation, assignee: *See*—
Gudenrath, George L.

Huffman, James O., Los Angeles, Calif. Troweling machine. 2,468,981, May 3.

Huge, Henry M., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Frequency reducer. 2,468,878, May 3.

Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated. Multipiece cutting tip. 2,468,824, May 3.

Hutt, Stanley, Washington, D. C., and R. H. Symonds, Arlington, Va. Vanity case and atomiser. 2,469,267, May 3.

Hvam, Hjalmar, Portland, Oreg. Ski binding. 2,468,879, May 3.

Ideal Novelty & Toy Co., assignee: *See*—
Baggott, Edmund W.

Illinois Tool Works, assignee: *See*—
Poupitch, Ouglesa J.

Imagineering Corporation, assignee: *See*—
Gilmore, Edward M., Jr.

Imperial Chemical Industries Limited, assignee: *See*—
Bridge, Walter, and Matchet.
Johnson, Alan W.

Indiana Steel Products Company, The, assignee: *See*—
Howell, Hugh A.

Interchemical Corporation, assignee: *See*—
Reitz, Charles A., and Lecture.

International Staple and Machine Company, assignee: *See*—
Schafroth, Werner.

Irving Air Chute Co., Inc., assignee: *See*—
Hatfield, John E.

Iverson, John O., assignor to Universal Oil Products Company, Chicago, Ill. Hydrogen fluoride recovery process. 2,468,736, May 3.

Jack & Heinz Precision Industries, Inc., assignee: *See*—
Scott, Lloyd H.

Jaffa, Mose, Brooklyn, N. Y., assignor to Optimue Equipment Company, Matawan, N. J. Degreasing device. 2,469,040, May 3.

Jagersberger, Adolf, St. Gilgen, Austria. Pyrometer lamp for optical temperature measurements. 2,469,115, May 3.

James, Frasier N., Dallas, Tex., assignor, by mesne assignments, of thirty-three and one-third per cent to The Master Corporation, thirty-three and one-third per cent to F. N. James, and thirty-three and one-third per cent to R. A. Gump. Refrigerating cabinet having an air-pump circuit. 2,468,932, May 3.

Jamieson, William G.: *See*—
Walker, Ronald W., and Jamieson.

Jansen, Jacob E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of bisphenols. 2,468,982, May 3.

Jernstedt, George W., Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Plating. 2,468,825, May 3.

Jerome, Chester W., Detroit, Mich. Bowling ball insert. 2,469,268, May 3.

Johnson, Allan W., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of 3-tetrahydrofuranone. 2,468,881, May 3.

Johnson, Charles E., North Muskegon, assignor to Johnson Products, Inc., Muskegon Heights, Mich. Tappet holding wrench. 2,468,983, May 3.

Johnson, Charles W.: *See*—
Brown, Arthur R., Hucks, and Johnson.

Johnson, George C., Woodbury, and B. W. Rope, Mullica Hill, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Catalytic alkylation. 2,469,335, May 3.

Johnson, Nellie S., and A. F. Sargent, Detroit, Mich.; said Sargent assignor to said Johnson. Warp tensioning device. 2,468,880, May 3.

Johnson Products, Inc., assignee: *See*—
Johnson, Charles E.

Johnson, Robert, Verona, assignor to Koppers Company, Inc., Pittsburgh, Pa. Chemical process. 2,468,759, May 3.

Johnson, William B., United States Army, Easley, S. C. Closure cap turning means. 2,468,757, May 3.

Johnson, William B., United States Army, Easley, S. C. Retaining means for closure caps. 2,468,758, May 3.

Johnson, William T.: *See*—
Kreig, Kenneth L., and Johnson.

Johnston, Frank L., Portland, Oreg. Golf practice device. 2,469,301, May 3.

Jones, Ellsworth J., Willoughby, Ohio. Convertible velocipede. 2,468,933, May 3.

Jones, Norman L., Brighton, Victoria, Australia, assignor, by mesne assignments, to Standard-Vacuum Oil Company. Preparing aluminum soaps and certain classes of useful compositions containing aluminum soaps. 2,469,041, May 3.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,468,882, May 3.

Kalamazoo Stove & Furnace Co., assignee: *See*—
Lang, Robert C.

Karlsson, Per H., Wellsville, N. Y., and R. S. Cooper, River Forest, Ill., assignors to The Air Preheater Corporation, New York, N. Y. Moisture control to heat recovery apparatus. 2,468,826, May 3.

Karr, Harry E., assignee: *See*—
Harding, Hiram R.

Kayler, Frank H.: *See*—
Kinne, Edmund P., and Kayler.

Kelleher, Lynden M., San Francisco, Calif. Transitory garment. 2,469,302, May 3.

Kelley, Eugene B., Little Rock, and H. B. Davis, North Little Rock, Ark. Dolly for railway cars, vehicles, and other objects. 2,469,042, May 3.

Kelsey-Hayes Wheel Company, assignee: *See*—
Sinclair, Charles W.

Kempthorn, David C., Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Apparatus for producing hollow rubber articles. 2,468,760, May 23.

Kennedy, Benjamin H., Pittsford, N. Y. Utility stand. 2,469,232, May 3.

Kennedy, Edgar S., Wayne, and E. C. Wedler, Media, Pa., assignors to American Viscose Corporation, Wilmington, Del. Electrostatic control of fibres. 2,468,827, May 3.

Kennedy, Verne C., Evanston, assignor to Dormeyer Corporation, Chicago, Ill. Centrifugal governor for motors. 2,469,043, May 3.

Kiekhaefer, Elmer C., Cedarburg, Wis. Propeller mounting. 2,469,116, May 3.

Kiekhaefer, Elmer C., Cedarburg, Wis. Fuel supply for opposed cylinder engines. 2,469,117, May 3.

Killingsworth, Robert B., Douglaston, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Insect repellent comprising benzyl ethers of ethylene glycol. 2,469,303, May 3.

Kinne, Edmund P., and F. H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill. Centering means for railway draft devices. 2,469,118, May 3.

Kirsch Company, assignee: *See*—
Allen, Archie A.

Kjeligren, Bengt R. F., University Heights, assignor to The Brush Development Company, Cleveland, Ohio. Growing p-type seed crystals. 2,468,761, May 3.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical precipitator. 2,469,231, May 3.

Kleyn, Teunis P., Muskegon, Mich. Pneumatic cleaning device. 2,468,934, May 3.

Knapp-Monarch Company, assignee: *See*—
Snyder, Leland H.

Koertge, Nobel H., Glen Ellyn, assignor to Furnas Electric Company, Batavia, Ill. Toggle actuated switch. 2,469,119, May 3.

Kohl, Everard F., Lakewood, Ohio. Control apparatus for switches and the like. 2,469,337, May 3.

Kohl, Everard F., Lakewood, Ohio. Switch or like apparatus. 2,469,336, May 3.

Kopp, Herman A., Bronx, N. Y. Hydraulic drive for motor vehicles. 2,468,828, May 3.

Koppers Company, Inc., assignee: *See*—
Johnson, Robert.

Kosak, Alvin I., Columbus, Ohio, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Acylation of aromatic alkoxy compounds. 2,468,762, May 3.

Kotsin, Tobias, assignee: *See*—
Bayless, George W.

Kosachuk, Eustace, Toronto, Ontario, Canada. Automatic tack dispenser. 2,469,233, May 3.

Kramer, Clarence F.: *See*—
Brock, Harold L., and Kramer.

Krasinski, Leo C., assignee: *See*—
Stoye, Kurt.

Krieg, Kenneth L., and W. T. Johnson, Valley Center, Kans., said Johnson assignor to said Krieg. Machine for sandblast cleaning of tubular goods. 2,468,984, May 3.

Kropp Forge Company, assignee: *See*—
Kropp, Roy A.

Kropp, Roy A., River Forest, assignor to Kropp Forge Company, Cicero, Ill. Brake lever operated switch. 2,469,120, May 3.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Resilient connection and making same. 2,468,985, May 3.

Kura-Kasch, Inc., assignee: *See*—
Bauman, Joseph J.

Kydd, James, Ozone Park, assignor to Metropolitan Device Corporation, Brooklyn, N. Y. Ladder construction. 2,469,071, May 3.

Laher Spring & Tire Corp., assignee: *See*—
Nordquist, Harry E.

Lamb, Wade: *See*—
Herreshoff, Alexander G., and Lamb.

Landry, Amaury J., San Francisco, Calif. Bicycle stand. 2,468,763, May 3.

Lane, Henry G., Bainbridge, Ga. Adjustable plow sweep. 2,469,044, May 3.

Lang, Robert C., assignor to Kalamazoo Stove & Furnace Co., Kalamazoo, Mich. Range draft control. 2,469,121, May 3.

Langdon, Samuel W., assignor to Marful Specialties, Incorporated, Rochester, N. Y. Photographic apparatus for reproduction by direct or reflected light beams. 2,468,935, May 3.

La Pointe, Raymond E., assignor to The Bush Manufacturing Company, Hartford, Conn. Air chuck. 2,469,198, May 3.

La Pointe, Roland A., Bangor, Maine. Airplane wing. 2,468,883, May 3.

La Porta, Philip, Brooklyn, N. Y. Alarm and protector. 2,468,829, May 3.

Latham, Allen, Jr., Jamaica Plain, assignor to A. D. Little, Inc., Cambridge, Mass. Vapor compression type still. 2,469,122, May 3.

Lanrent, Pierre A., Paris, France; vested in the Attorney General of the United States. Dehydrating amyl alcohols. 2,468,764, May 3.

La Vietes, Joseph R., Brooklyn, N. Y. Bubble composition. 2,469,045, May 3.

Laws, Orpha M., administratrix and assignee: *See*—
Laws, Robert E.

Laws, Robert E.; O. M. Laws, administratrix of said R. E. Laws, deceased, assignor to said O. M. Laws, Kanab, Utah. Bitless bridle. 2,469,046, May 3.

Lear, Incorporated, assignee; *See*—
Lear, William P.

Lear, William P., Piqua, Ohio, assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Unitary mechanical actuator device. 2,469,200, May 3.

Lecture, Raymond F.: *See*—
Reitz, Charles A., and Lecture.

Legatski, Harold H., and C. C. Crawford, Bartlesville, Okla., assignors to Phillips Petroleum Company. Preparation of odorless fractions of highly branched paraffins. 2,468,986, May 3.

Leland Stanford Junior University, Board of Trustees, of The, assignee: *See*—
Hansen, William W., Varian, and R. H. Varian.

Le Moyne, Guy P., Fort Myers, Fla. Device for compounding mixed drinks. 2,468,987, May 3.

Lerman, Joseph, Brooklyn, N. Y. Corner wall lamp. 2,469,072, May 3.

L'Esperance, Louis, and H. A. Schneider, Madison, Wis. Propeller dolly. 2,468,884, May 3.

Lever Brothers Company, assignee: *See*—
Henderson, Lloyd F., and Libby.
Zicis, Norbert W., and Schmidt.

Lewin Road Sweepers Limited, assignee: *See*—
Dear, Alexander T. C.

Lewis, George F., Streator, Ill. Lifting apparatus. 2,469,199, May 3.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Bunnell, Raymond H., and Hatcher.
Cordier, David E.

Libby, Louis H.: *See*—
Henderson, Lloyd F., and Libby.

Li Castri, Harry, New York, N. Y. Binding means for loose leaves. 2,469,166, May 3.

Liebel, Robert A., Allentown, Pa. Apparatus for setting finishing compositions. 2,469,270, May 3.

Lima-Hamilton Corporation, assignee: *See*—
Richardson, Henry M.

Lindberg, Caryl A., Glendale, and H. W. Eckles, assignors to The Emerson Electric Manufacturing Company, St. Louis, Mo. Fan type heater. 2,469,234, May 3.

Lindie Air Products Company, The, assignee: *See*—
Breymeier, Rudolph T.
Herbst, Harry T.
Pilla, Frank J.

Lindenthaler, Charles J., Chappaqua, assignor to Minute Skid Chain Corporation, Long Island City, N. Y. Traction device. 2,469,235, May 3.

Liquidometer Corporation, The, assignee: *See*—
De Giers, Clarence A.

Little, Arthur D., Inc., assignee: *See*—
Latham, Allen, Jr.

Little, Jess C., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Vibration damper. 2,469,167, May 3.

Lloyd, Whitten P., assignor to Excel Movie Products, Inc., Chicago, Ill. Film reel construction. 2,468,767, May 3.

Loader, Hector, New Bedford, Mass., assignor to Emsio Braid Corporation. Braiding machine. 2,469,047, May 3.

Lobdell, Garrett B., North Tonawanda, N. Y. Fish lure. 2,468,988, May 3.

Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil burner. 2,469,271, May 3.

Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Pressure atomizing oil burner. 2,469,272, May 3.

Long, Sidney L., Minneapolis, Minn. Miniature bowling apparatus. 2,469,236, May 3.

Loralee Products Corporation, assignee: *See*—
Huge, Henry M.

Lorenz, Anton, Buffalo, N. Y. Adjustable bed frame. 2,468,765, May 3.

Loughlin, Bernard D., Lynbrook, N. Y., assignor to Haseltine Research, Inc., Chicago, Ill. Loop-antenna tuning system. 2,469,168, May 3.

Low, Frank S., Bronxville, assignor to Food Machinery and Chemical Corporation, New York, N. Y. Recovery of chlorine from hydrogen chloride. 2,468,766, May 3.

Luaces, Enrique L., Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Uncooked wrinkle composition containing synthetic rubber and conjugated double bonded oil. 2,468,989, May 3.

Lubbock, John, London, England. Pipe joint. 2,468,885, May 3.
Lukeman, Richard J., Montreal, Quebec, Canada. Spark plug. 2,469,304, May 3.
Lundstrom, Carl B., Little Falls, N. Y. Guiding and supporting structure for drawers. 2,468,990, May 3.
Lundvall, John S., Park Ridge, assignor to Union Asbestos & Rubber Co., Chicago, Ill. Latch mechanism for car doors. 2,468,936, May 3.
Lutey, William J., Seattle, Wash. Shoe sole. 2,468,886, May 3.
M-K Enterprises, Inc., assignee: *See*—
Werner, George R.
Bussey, William H.
Mackay, Johnstone S., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of guanidine phosphates. 2,469,338, May 3.
Magnavox Company, The, assignee: *See*—
Olson, Ray G.
Malick, Emil A., United States Navy. Means to indicate the presence of vapor in fluid conduit systems. 2,468,768, May 3.
Maloney-Crawford Tank & Manufacturing Co., assignee: *See*—
Candler, Arthur V. B.
Malouf, Edward F., San Jose, Calif. Metatarsal and outer longitudinal arch support. 2,468,887, May 3.
Maltese, Joseph S., Hempstead, N. Y., assignor to Rensbed-Mason Company, Detroit, Mich. Device for proportioning liquid mixtures. 2,469,305, May 3.
Maniola, James J., administrator and assignee: *See*—
Maniola, Robert J.
Maniola, Robert J., deceased, late of Chicago, Ill., by J. J. Maniola, administrator, assignor to J. J. Maniola, Chicago, Ill. Removable denture. 2,469,339, May 3.
Manke, Raymond F., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Lifting mechanism. 2,469,048, May 3.
Marathon Corporation, assignee: *See*—
Siewet, Edwin C.
Marful Specialties, Incorporated, assignee: *See*—
Lagdon, Samuel W.
Markham, Charels E., St. Louis County, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Heat distribution control. 2,468,830, May 3.
Markle, Glenn R., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Strip guide. 2,469,169, May 3.
Martin, Howard S.: *See*—
Goldsbarry, Albert W., and Martin.
Martin, James: *See*—
Pelphrey, Harry, and Martin.
Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for progressively enameling continuous metal sheeting. 2,469,123, May 3.
Mas, José A., Indianapolis, Ind., assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Vibrating device. 2,468,991, May 3.
Mason, James F., Glen Cove, N. Y., and A. H. Beebe, Jr., Ann Arbor, Mich., assignors to Reynolds Metals Company, Inc., Richmond, Va. Electrolytic sealing of anodized aluminum surfaces. 2,469,237, May 3.
Master Corporation, The, assignee: *See*—
James, Frazier N.
Mastney, Edward J., Berwyn, and J. H. Williams, assignors to Oak Mfg. Co., Chicago, Ill. Control apparatus for tuners. 2,469,170, May 3.
Matchet, James: *See*—
Bridge, Walter, and Matchet.
Mathieson Chemical Corporation, assignee: *See*—
Vincent, George P., and Dubeau.
Mathot, Jacques: *See*—
Contant, Andre, Clement and, Matbot.
Matweeff, Paul, Uncasville, Conn. Harness motion for looms. 2,469,200, May 3.
McArthur, Bruce E., Medina, Ohio, and D. I. Bohn and R. N. Wagner, assignors to Aluminum Company of America, Pittsburgh, Pa. Electrical bus. 2,469,073, May 3.
McCabe, Ira E., Chicago, Ill. Pressure operated switch. 2,468,924, May 3.
McCaffrey, Evelyn, Jamaica, N. Y. Head apparel. 2,468,937, May 3.
McCarthy, Russell J.: *See*—
Rivard, Lawrence B., and McCarthy.
McCarty, Orin P.: *See*—
Palme, Arthur, and McCarty.
McCullough, Jack A.: *See*—
Eitel, William W., and McCullough.
McKeehan, Eugene H., St. Louis, Mo. Garment sleeve block. 2,469,306, May 3.
McLauchlan, John, Royal Oak, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Torch controlling fixture for flame cutting machines. 2,468,938, May 3.
Mechling, Frederick E., Akron, assignor to Selberling Rubber Company, Barberton, Ohio. Self-sealing inner tube demonstration tool. 2,469,307, May 3.
Meier, Richard L., and W. E. Elwell, Berkeley, assignor to California Research Corporation, San Francisco, Calif. Synthetic resins and producing same. 2,469,295, May 3.
Meisser, Christian, Davos-Dorf, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Centrifugal compressor for high stage pressures. 2,469,126, May 3.
Mekelburg, Harold L., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Metal-backed nonwelding contact. 2,468,888, May 3.
Mercier, Jean, New York, N. Y. Mounting for hydraulic shock absorbers. 2,468,939, May 3.
Mercier, Jean, New York, and E. M. Greer, West Hempstead, said Greer assignor to Greer Hydraulics, Inc., Brooklyn, N. Y. Accumulator shell sealing plug. 2,469,171, May 3.
Metropolitan Device Corporation, assignee: *See*—
Kydd, James.
Michigan Tool Company, assignee: *See*—
Pelphrey, Harry, and Martin.
Miescher, Karl, Riehen, and R. Rometsch, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Process of separating dolsynolic acids and intermediates therefor. 2,469,173, May 3.
Mikkelsen, Andera P., Pleasantville, N. Y. Door latch. 2,469,201, May 3.
Miller, Charles F., Delaware County, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing cellulose ester material with acid and direct dyes. 2,468,940, May 3.
Miller, Gordon H., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Reduction of corrosive action of Friedel-Crafts type catalysts. 2,468,831, May 3.
Miller, Kay, New Brunswick, assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Pencil with body of convolutely wound paper. 2,469,049, May 3.
Miller, William J., Inglewood, Calif. Hanger bracket device. 2,468,992, May 3.
Mine Saefty Appliances Company, assignee: *See*—
Campbell, Edmund M.
Minute Skid Chain Corporation, assignee: *See*—
Lindenthaler, Charles J.
Missouri Automatic Control Corporation, assignee: *See*—
Markham, Charles E.
Monsanto Chemical Company, assignee: *See*—
Blake, Edward S.
Montalbano, Anthony, Baton Rouge, La. Portable propelling apparatus for small fishing craft. 2,468,889, May 3.
Montgomery, Luke H., Nashville, Tenn. Signaling system. 2,468,832, May 3.
Montonna, Ralph E., and L. H. Reyerson, St. Paul, and E. Amdur, assignors to Regents of the University of Minnesota, Minneapolis, Minn. Preparing fibers and yarns. 2,468,771, May 3.
Montoya, Victor M., Caracas, Venezuela. Vertical piano action. 2,469,308, May 3.
Moomaw, Lewis H., Great Neck, assignor to De Jur-Amaco Corporation, Long Island City, N. Y. Motion-picture projector. 2,468,993, May 3.
Moore, Robert J.: *See*—
Greenfelder, Bernard S., and Moore.
Moore, Rockord W., Wichita, Kans. Propeller guard and deflector for outboard motors. 2,468,890, May 3.
Moreau, Jean, Noyelles-sur-Escaut, France. Automatically corrected means for removing beetroot tops. 2,468,994, May 3.
Morris, Earl D., and G. A. Griess, assignors to The Dow Chemical Company, Midland, Mich. Rosin-styrene interpolymers. 2,468,770, May 3.
Morris, Harold J.: *See*—
Rowland, George D., and Morris.
Morris, Rupert C., and J. L. Van Winkle, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Adducts of unsaturated acids with cyclic polymers of hexadienes and their production and utilization. 2,468,769, May 3.
Morris, Rupert C., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Preventing ice formation on surfaces. 2,469,309, May 3.
Morrison, Harry, Pittsburgh, Pa. Height gauge. 2,468,995, May 3.
Mueller, Ervin H., Grosse Pointe, Mich. Hood for gas valves. 2,469,074, May 3.
Mungall, William, Dayton, Ohio. Multiple limit switch device. 2,468,772, May 3.
Munro, George R., Massapequa, and W. C. Dilg, Hewlett, assignors to Waugh Equipment Company, New York, N. Y. Shock absorbing structure for railway draft gears. 2,469,126, May 3.
Murdock, Frederick D., Barrington, and J. A. De Angelis, Cumberland, assignors to H. D. Peck, Providence, R. I. Loom attachment for weaving ladder webbing. 2,469,202, May 3.
Murphy, Harold P., Ridley Park, Pa., assignor to The Electric Storage Battery Company. Container liquid level indicator. 2,468,833, May 3.
Musinski, Joseph J., Burbank, Calif. Illuminating device. 2,468,773, May 3.
Mygaa, Nicholas, West Orange, N. J. Articulate handle for paint brushes and the like. 2,469,050, May 3.
Nash, Thomas L., Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Tow folding device for shipping cartons. 2,468,834, May 3.

National Tube Company, assignee: *See*—
Durfee, Walter W., and Foley.
National Vendors, Inc., assignee: *See*—
Fry, Benjamin W.
Neiser, Joseph B., Oakland, Calif. Clothes drier. 2,468,891, May 3.
Newton, John S., Havertown, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas turbine apparatus. 2,469,238, May 3.
New Wrinkle, Inc., assignee: *See*—
Beynon, Nathan T.
Lances, Enrique L.
New York Air Brake Company, The, assignee: *See*—
Hiner, Matthew W.
Nicholls, Ralph J.: *See*—
Bide, Austin E., Nicholls, and Wilkinson.
Nordmark, Walter E., assignor to American Seating Company, Grand Rapids, Mich. Desk structure. 2,469,230, May 3.
Nordquist, Harry E., Seattle, Wash., assignor to Laher Spring & Tire Corp., Oakland, Calif. Vehicle spring construction. 2,468,835, May 3.
Norton, C. W., Jr., assignee: *See*—
Faulhaber, Roland W.
Oak Mfg. Co., assignee: *See*—
Mastney, Edward J., and Williams.
Williams, John H.
O'Brien, Joseph F., Lebanon, and J. B. Cataldo, Annandale, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Electrical circuit breaker. 2,468,774, May 3.
Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Friction element for brakes. 2,469,127, May 3.
Ohio Crankshaft Company, The, assignee: *See*—
Strickland, Harold A., Jr.
Wood, Alden O., and Vaughan.
O'Keeffe, George W., Elkins Park, assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Supporting girt. 2,468,892, May 3.
Okrent, Jasper J., Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Pulse-modulated wave-signal generator. 2,469,174, May 3.
Olin Industries, Inc., assignee: *See*—
Roemer, William C.
Olson, Ray G., Glenview, Ill., assignor to The Magnavox Company, Fort Wayne, Ind. Compensated thermal motor. 2,468,906, May 3.
Oosterkamp, Wijbe J., and A. W. Vingerhoets, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, as trustee, Hartford, Conn. X-ray tube cooling apparatus. 2,468,942, May 3.
Optimos Equipment Company, assignee: *See*—
Jaffa, Mose.
Orance, Albert, Chicago, Ill. Airplane amusement device. 2,468,893, May 3.
Orr, A. William, Jr., Detroit, Mich., assignor to G. M. and E. Halley. Enrichening device. 2,468,941, May 3.
Osgood, Mildred M., Terre Haute, Ind. Manufacture of marionettes. 2,468,997, May 3.
Ovrebo, Paul J., Dayton, Ohio. Impedance matched thermocouple for coaxial conductors. 2,468,775, May 3.
Palme, Arthur, and O. P. McCarty, Pittsfield, Mass., assignors to General Electric Company. Electric switch. 2,469,203, May 3.
Paransky, Louis, Pittsburgh, Pa., assignor to The Star Bedding Co. Mattress. 2,469,175, May 3.
Parker, Charles M., Kelford, N. C. Welding mask attachment. 2,469,273, May 3.
Parsons, John B., Toledo, Ohio. Pressure fluid servomotor. 2,468,943, May 3.
Parsons, John H., Pontiac, Mich. Retainer-stripper unit for punch presses. 2,468,998, May 3.
Patterson, Louis L., Los Angeles, Calif. Cutter assembly for rotary plows. 2,468,776, May 3.
Paun, Louis R., Granton, Wis. Vibration eliminating support for steering columns. 2,469,075, May 3.
Pavelle Color Incorporated, assignee: *See*—
Rabinowitz, Jacob.
Payne, Nellie M. C., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Insecticidal use of fluoroacetamide. 2,469,340, May 3.
Pearce, Albert F., Hampton Hill, assignor to Electric & Musical Industries Limited, Middlesex, England. Holow resonator discharge device. 2,469,240, May 3.
Pearson, Frank A., assignor to Eagle Signal Corporation, Moline, Ill. Cycle timer. 2,469,341, May 3.
Peck, Harry D., assignee: *See*—
Murdock, Frederick D., and De Angelis.
Pecott, Bertha A., administratrix: *See*—
Pecott, Jeremiah A.
Pecott, Jeremiah A., deceased, by B. A. Pecott, administratrix, Lawrence, Mass. Hand loom. 2,469,126, May 3.
Peek, Robert L., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetostrictive transducer. 2,468,837, May 3.
Peek, Willard R., San Antonio, Tex. Bicycle trailer coupling. 2,468,894, May 3.
Pelphrey, Harry, Detroit, and J. Martin, Ferndale, assignors to Michigan Tool Company, Detroit, Mich. Machine for forming gears. 2,469,310, May 3.
Pennsylvania Furnace and Iron Company, assignee: *See*—
DeFrees, Joseph H.
Pennsylvania Railroad Company, The, assignee: *See*—
Smith, Spencer V.
People in the Territory of the United States, dedicated to the free use of the, assignee: *See*—
Gertler, Samuel I.
Pepperell Manufacturing Company, assignee: *See*—
Russell, Frank H.
Persson, Gunnar J., Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Anode tube for ionic valves for high-voltage static current converters. 2,468,836, May 3.
Peters, Helen M., assignee: *See*—
Peters, Leo.
Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Can body making machine. 2,468,777, May 3.
Peters, Leo, assignor, by meane assignments, of two-thirds to L. Peters and one-third to H. M. Peters, Evanston, Ill. Package wrapper. 2,469,204, May 3.
Peterson, Karl O., Kansas City, Mo., assignor of one-half to V. H. Doyle, Leonardville, Kans. Adjustable cutter and feeder assembly for harvesters. 2,469,241, May 3.
Pettier, Eugene H., Beaver, Pa. Lifting device. 2,468,999, May 3.
Pfaudler Co., The, assignee: *See*—
Goecke, Rudolph F.
Philco Corporation, assignee: *See*—
Hooker, Howard W.
Sunstein, David E.
Phillips Petroleum Company, assignee: *See*—
Legatski, Harold R., and Crawford.
Schulze, Walter A., and Crouch.
Wagner, Cary R.
Wagner, Cary R., and Axe.
Phillipps, Goddie F.: *See*—
Wilson, Robert M., and Phillipps.
Photoswitch, Incorporated, assignee: *See*—
Thomson, E. Craig.
Pick, Oswald M., Chicago, and B. E. Goodman, Highland Park, assignors to The Florsheim Shoe Company, Chicago, Ill. Shoe construction. 2,468,944, May 3.
Pierce, John B., Foundation, assignee: *See*—
O'Brien, Joseph F., and Cataldo.
Pilla, Frank J., Riverside, N. J., assignor to The Linde Air Products Company. Water-cooled gas blanketed arc-welding torch. 2,468,806, May 3.
Pioneer Gen-E-Motor Corporation, assignee: *See*—
Goldberg, Harry.
Pitometer Log Corporation, assignee: *See*—
Holst, Knute A.
Pittsburgh Plate Glass Company, assignee: *See*—
Swan, Donald R.
Plaistowe, Donald L., and R. P. Shipway, Chelmsford, England, assignors to Radio Corporation of America. Cathode-ray tube deflecting system. 2,469,051, May 3.
Pleasant, Herman E., assignor to Crampton Manufacturing Company, Holland, Mich. Valve-actuating lever. 2,469,000, May 3.
Pohl, Elsa, New York, N. Y. Collapsible luggage carrier. 2,469,242, May 3.
Poltras, Edward J., Holliston, Mass. Abnormal temperature and ground detector alarm system. 2,469,001, May 3.
Potter, James A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current supply apparatus. 2,469,176, May 3.
Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Screw locking device. 2,469,311, May 3.
Poupitch, Ougljesa J., assignor to Illinois Tool Works, Chicago, Ill. Screw locking device. 2,469,312, May 3.
Powers, James H., Westport, Conn., assignor to General Electric Company. Waste disposal apparatus. 2,469,205, May 3.
Pratt, John W., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Last support for last inserting machines. 2,468,895, May 3.
Princevalle, Peter: *See*—
Toti, Andrew J., and Princevalle.
Proctor & Schwartz, Inc., assignee: *See*—
O'Keeffe, George W.
Pure Oil Company, The, assignee: *See*—
Goldsbarry, Albert W., and Martin.
Thacker, Carlisle M.
Quattrin, Sante, San Francisco, Calif. Golf practice device. 2,469,002, May 3.
R-B-M Manufacturing Company, assignee: *See*—
Webb, George L.
Rabinowitz, Jacob, Brooklyn, assignor, by mesne assignments, to Pavelle Color Incorporated, New York, N. Y. Photographic printing exposure control method and apparatus. 2,469,076, May 3.
Radio Corporation of America, assignee: *See*—
Atwood, John B., and Trevor.
Beard, Joseph G., and Born.
Beard, Joseph G., and Dressler.
Canfora, Arthur E.
Day, James R.
Fraser, Robert M.
Gehman, John B., and Turner.
Goldberg, Edwin A.
Hillier, James.
Plaistowe, Donald L., and Shipway.
Stafford, Richard H.
Rahe, Samuel E., Springfield Gardens, N. Y. Device for dispensing matches. 2,469,052, May 3.

Rasmussen, Carl C. H., Silver Spring, Md. Cooking equipment. 2,468,778, May 3.

Rawlins, Herbert L.: *See*—
Wallace, James M., Rawlins, Cumming, and Aspey.

Raytheon Manufacturing Company, assignee: *See*—
Butler, Benjamin J.
Dawson, John W.
Klemperer, Hans.
Smith, Charles G.

Regents of the University of Minnesota, assignee: *See*—
Montonna, Ralph E., and Reyerson.

Reitmann, Genevieve B., Baltimore, Md. Spectrophotometric curve reading apparatus. 2,469,120, May 3.

Rein, Charles, Scarsdale, N. Y. Electrical switch. 2,469,274, May 3.

Reits, Charles A., Park Ridge, and R. F. Lecture, Chicago, Ill., assignors to Interchemical Corporation, New York, N. Y. Printing inks. 2,468,779, May 3.

Rensbed-Mason Company, assignee: *See*—
Maltese, Joseph S.

Research Corporation, assignee: *See*—
Cohn, Edwin J.

Resnick, Raymond: *See*—
Fox, Leonard, and Resnick.

Rey, Augustin, assignor to Comptoir des Textiles Artificiels, Paris, France. Filtering apparatus. 2,468,838, May 3.

Reyerson, Lloyd H.: *See*—
Montonna, Ralph E., and Reyerson.

Reynolds Metals Company, Inc., assignee: *See*—
Mason, James F., and Beebe, Jr.

Rhinelander Paper Company, assignee: *See*—
Fries, Karl W.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. X-ray absorption photometer. 2,469,200, May 3.

Richardson, Henry M., Springfield, Mass., assignor of one-half to The Grotelite Company, Inc., Bellevue, Ky., and one-half to Lima-Hamilton Corporation, Hamilton, Ohio. Method and apparatus for molding plastics. 2,469,342, May 3.

Rickenmann, Alfred, Kusnacht near Zurich, Switzerland. Machine tool with automatic feed derive. 2,469,077, May 3.

Rifen, John, Brainerd, Minn. Bottle attachment. 2,468,780, May 3.

Rivard, Lawrence B., Dearborn, and R. J. McCarthy, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Adjustable automobile seat. 2,469,243, May 3.

Robison, Sidney J., Chicago, Ill., assignor to Universal Atlas Cement Company. Seal for rotary kilns. 2,469,078, May 3.

Rocchini, Albert G., Springdale, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Lubricating oil compositions. 2,469,003, May 3.

Rodeeci, Nicholas, Minneapolis, Minn. Power lawn mower. 2,468,839, May 3.

Rodman, Isaac P., Jr., West Orange, assignor to Celluplastic Corporation, Newark, N. J. Method of and apparatus for molding. 2,469,130, May 3.

Roedding, Gordon E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Spring mounted two-position prismoidal rear-view mirror. 2,469,207, May 3.

Roemer, William C., assignor to Olin Industries, Inc., New Haven, Conn. Automatic gear for automatic and semi-automatic firearms. 2,469,053, May 3.

Rogantl, Henry P., Dayton, Ohio. Camera control for bombardment aircraft. 2,468,781, May 3.

Rohn, Wilhelm, Hanau on Main, Germany; vested in the Attorney General of the United States. Instrument for measuring and indicating the intensity of gas currents. 2,468,896, May 3.

Rometsch, Rudolf: *See*—
Miescher, Karl, and Rometsch.

Ronson Art Metal Works, Inc., assignee: *See*—
Burchett, Ray L.

Rope, Barton W.: *See*—
Johnson, George C., and Rope.

Rosebrough, John D., assignor to American Blower Corporation, Detroit, Mich. Back tension drive. 2,469,004, May 3.

Rosenbloom, Harry, Detroit, Mich. Machine tool support. 2,469,079, May 3.

Rosin, Seymour, and G. M. Cressaty, New York, N. Y.; said Rosin assignor to said Cressaty. Unitary lens unit. 2,469,080, May 3.

Ross, Donald E., Eagle Rock, and W. E. Stofer, North Hollywood, assignors to H. S. Heller, Los Angeles, Calif. Interchangeable magnetic tranaducer and switching system. 2,468,782, May 3.

Ross, Walter G., Berkley, assignor to Chrysler Corporation, Highland Park, Mich. Inflatable door sealing system. 2,469,131, May 3.

Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Hydraulic buffer. 2,469,275, May 3.

Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Sediment trap for hydraulic shock absorbers. 2,469,276, May 3.

Rothe, Walter F., Washington, D. C., Mailbag. 2,468,897, May 3.

Rothrock, James G., Everett, Wash. Clothes-drying rack. 2,469,208, May 3.

Rowland, George D., Dearborn, and H. J. Morris, Wayne, assignors to Ford Motor Company, Dearborn, Mich. Independent front wheel suspension. 2,469,244, May 3.

Ruedi, Arthur F., Hammond, Ind., assignor to Universal Atlas Cement Company. Refractory concrete, mix therefor, and making. 2,469,081, May 3.

Ruffner, Paul E., Columbus, Ohio. Foldable leaf memoranda calendar having a pocketed backing member. 2,469,177, May 3.

Russell, Frank H., Needham, assignor to Pepperell Manufacturing Company, Boston, Mass. Treating fabrics and resulting product. 2,469,245, May 3.

Russell, John L., assignor to The Bristol Company, Waterbury, Conn. Magnetostrictive condition-responsive apparatus. 2,469,005, May 3.

Ityland, Lloyd B., El Cerrito, and Miroslav Tamele, Oakland, assignors to Shell Development Company, San Francisco, Calif. Catalyst for cracking hydrocarbons. 2,469,314, May 3.

Izepela, Stanley, Philadelphia, Pa. Eccentric drive gear mechanism. 2,469,313, May 3.

Sachanen, Alexander N.: *See*—
Caesar, Philip D., and Sachanen.

Salvans, Jacinto F., Barcelona, Spain. Square section cable for power transmission. 2,469,178, May 3.

Sargent, Albert F.: *See*—
Johnson, Nellie S., and Sargent.

Sasser, John D., assignor to The Steel Products Engineering Company, Springfield, Ohio. Altitude responsive control and signal device. 2,468,945, May 3.

Scanlon, Frank B., Beachwood, N. J. Door operated safety device for oil burning furnaces. 2,469,082, May 3.

Schaefer, Carl F.: *See*—
Schwartzwalder, Karl.

Schaefer, Frederic, Pittsburgh, Pa. Brake beam. 2,469,083, May 3.

Schafroth, Werner, Brookline, assignor to International Staple and Machine Company, Clifton Heights, Pa. Stapling machine. 2,469,054, May 3.

Schafroth, Werner, Brookline, assignor to International Staple and Machine Company, Clifton Heights, Pa. Stapling machine. 2,469,055, May 3.

Scheidort, Marvel W., Syracuse, N. Y., assignor to General Electric Company. Single-ended antenna system. 2,469,209, May 3.

Schenker, Abraham W., New York, N. Y. Body resting appliance. 2,469,084, May 3.

Schmidt, Benjamin F., Los Angeles, Calif. Power conversion attachment. 2,469,277, May 3.

Schmidt, Werner H.: *See*—
Ziela, Norbert W., and Schmidt.

Schneider, Hubert A.: *See*—
L'Esperance, Louis, and Schneider.

Schnieble, Claude B., assignee: *See*—
Hermann, Clarence C.

Schock, Gusmer & Co. Inc., assignee: *See*—
Schock, Robert C.

Schock, Robert C., New Rochelle, N. Y., assignor to Schock, Gusmer & Co. Inc., Hoboken, N. J. Heater for wort kettles. 2,468,840, May 3.

Schultze, Albert, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,469,179, May 3.

Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Manufacture of sulfur compounds. 2469,132, May 3.

Schwab, Edward L., Chicago, Ill. Card support and display. 2,469,210, May 3.

Schwartz, Herman C., New Milford, N. J. Connecting coaxial cables. 2,468,783, May 3.

Schwartzwalder, Karl, Holly, and C. F. Schaefer, Flint, assignors to General Motors Corporation, Detroit, Mich. Sealing means and method for spark plugs. 2,469,211, May 3.

Scott, Lloyd H., Garden City, N. Y., assignor, by mesne assignments, to Jack & Heints Precision Industries, Inc., Cleveland, Ohio. Magneto electric machine. 2,469,133, May 3.

Scott, Walter F., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulator tube circuit. 2,469,280, May 3.

Scripture, George, Oakland, Calif. Electromagnetic valve-keeper remover and retriever. 2,469,056, May 3.

Seagraves, Hal E., Wilton, Conn. Autoloading pistol. 2,468,784, May 3.

Sealey, William C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Screwed sleeve electrical connector. 2,468,785, May 3.

Sealey, William C., Wauwatosa, and F. W. Arend, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electromagnetic core assembly and method. 2,468,786, May 3.

Sears, Ralph A., Bexley, Ohio. Telephone alarm system. 2,469,278, May 3.

Selberling Rubber Company, assignee: *See*—
Mechling, Frederick E.

Seller, Fritz, Auvernier, assignor to Textile Researchea Limited, Basel, Switzerland. Manufacture of knitted wear true to shape. 2,469,134, May 3.

Selts, John L.: *See*—
Breisch, Edgar W., and Selts.

Senauke, Alexander, assignor to Amperex Electronic Corp., Brooklyn, N. Y. Self-contained high-frequency oscillator. 2,469,180, May 3.

Servel, Inc., assignee: *See*—
Andersson, Sven W. E.
Bulkley, William L.
Schultze, Albert.

Seyferth, Carl O., assignor to West Michigan Steel Foundry Company, Muskegon, Mich. Coupling for tractors and semitrailers. 2,469,279, May 3.

Sharpe, Catherine D., executrix: *See*—
Sharpe, John S.

Sharpe, John S., Haverford, Pa.; C. D. Sharpe, executrix of said J. S. Sharpe, deceased. Aerodynamic impelling device. 2,468,787, May 3.

Sharples Chemicals Inc., assignee: *See*—
Eaton, John L., and Fenn.

Shaw, Joe C., assignor to Young Radiator Company, Racine, Wis. Temperature-regulating valve mechanism for heat-exchange devices. 2,469,212, May 3.

Shaw, Joe C., assignor to Young Radiator Company, Racine, Wis. Heat exchanger. 2,469,315, May 3.

Shaw, Joe C., assignor to Young Radiator Company, Racine, Wis. Heat-exchange unit. 2,469,316, May 3.

Shea, Richard F., Bridgeport, Conn., assignor to General Electric Company, Recording system. 2,469,213, May 3.

Shelby, Eugene F., Long Beach, Calif. Apparatus for high evacuation. 2,469,006, May 3.

Shell Development Company, assignee: *See*—
Adelson, David E., and Gray, Jr.
Greenafelder, Bernard S., and Moore.
Morris, Rupert C., and Shokal.
Morris, Rupert C., and Van Winkle.
Ryland, Lloyd B., and Tamele.
Shokal, Edward C., and Whitehill.

Shepherd, Daniel F., assignor to Carrier Corporation, Syracuse, N. Y. Reciprocating compressor having means for separating gaseous refrigerant from foam. 2,469,086, May 3.

Sheppard, Richard H., Hanover, Pa. Hydraulic power transmission. 2,469,085, May 3.

Sherman, Wilbur G., assignor to Accurate Tool and Engineering Company, San Diego, Calif. Chuck. 2,468,946, May 3.

Shingle, Lester H., Philadelphia, Pa. Transmission belt. 2,468,898, May 3.

Shipway, Roger P.: *See*—
Plaistowe, Donald L., and Shipway.

Shokal, Edward C.: *See*—
Morris, Rupert C., and Shokal.

Shokal, Edward C., Oakland, and L. N. Whitehill, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Insecticidal and fungicidal composition. 2,469,317, May 3.

Shuler, Sanford A., Jr., Schenectady, N. Y., assignor to General Electric Company. Centrifugal compressor. 2,469,214, May 3.

Siebring, Owen C., George, Iowa. Manure loader. 2,469,007, May 3.

Siegel, Sigmund, Brooklyn, N. Y. Chest protector. 2,468,841, May 3.

Siewert, Edwin C., Wausau, assignor to Marathon Corporation, Rothschild, Wis. Spoon package. 2,469,343, May 3.

Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers Inc., Long Island City, N. Y. Manual fine focusing means for auto-focus enlargers. 2,469,009, May 3.

Simmon, Alfred, Jackson Heights, and L. L. Weisglass, New York, assignors to Simmon Brothers, Inc., Long Island City, N. Y. Roll film camera with detachable magazine. 2,469,008, May 3.

Simmon Brothers Inc., assignee: *See*—
Simmon, Alfred.
Simmon, Alfred, and Weisglass.

Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Rim. 2,468,947, May 3.

Slater, Peter J., East Hartford, assignor to The South Windsor Manufacturing Company, South Windsor, Conn. Power attachment for tractors. 2,469,181, May 3.

Slater, Peter J., East Hartford, assignor to The South Windsor Manufacturing Company, South Windsor, Conn. Pneumatic clipper. 2,469,182, May 3.

Slonczewski, Thaddeus: *See*—
Felch, Edwin P., Jr., and Slonczewski.

Small, Walter W., assignor to Auster Limited, Birmingham, England. Panel mounting. 2,469,183, May 3.

Smicker, Emma A., assignor to Blossom Products Corporation, Allentown, Pa. Infant's shirt. 2,469,246, May 3.

Smith, A. O., Corporation, assignee: *See*—
Andrus, Orrin E.
Martin, Wesley G.

Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Arc discharge device. 2,468,788, May 3.

Smith, Richard H., Newton, Mass. Razor. 2,469,010, May 3.

Smith, Rolf M., assignor to General Motors Corporation, Dayton, Ohio. Sealed motor-compressor unit. 2,468,946, May 3.

Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Protective device. 2,469,215, May 3.

Smith, Spencer V., Wayne, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Train performance calculator and recorder. 2,469,011, May 3.

Smith, Wheeler B., Detroit, Mich. Tape holder. 2,469,247, May 3.

Smith, Will K., Arcadia, Calif. Hoe attachment for rakes. 2,469,012, May 3.

Snyder, Leland H., Chicago, Ill., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Massage vibrator. 2,468,949, May 3.

Sobota, John, assignor to Fort Howard Paper Company, Green Bay, Wis. Evaluating paper toweling or the like. 2,469,013, May 3.

Societe Francaise Radio-Electrique, assignee: *See*—
Dansin, Andre, and Despois.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Armstrong, Eldon L., and Beman.
Branson, Otis L.
Burg, Martin S.
Caesar, Philip D., and Sachanen.
Crowley, John A., Jr.
Evans, Louis P.
Hartongh, Howard D., and Chung.
Johnson, George C., and Rope.
Killingsworth, Robert B.
Kosak, Alvin L., and Hartough.
Stover, William A.

South Windsor Manufacturing Company, The, assignee: *See*—
Slater, Peter J.

Specialty Packaging Company, assignee: *See*—
Cargill, Louis H.

Spence Engineering Company, Inc., assignee: *See*—
Spence, Paulsen.

Spence, Paulsen, Hot Springs, Ark., assignor to Spence Engineering Company, Inc., Walden, N. Y. Safety device for temperature regulators. 2,469,057, May 3.

Sperry Corporation, The, assignee: *See*—
Hansen, William W., and Varian.
Webber, Hugh E.

Sporleder, Robert C., Mill Valley, Calif. Bottom feed device for paper sheets. 2,468,842, May 3.

Spunt, Leo, Detroit, and B. A. Gould, Highland Park, assignors to General Motors Corporation, Detroit, Mich. Suspension spring seat. 2,469,216, May 3.

Stafford, Richard H., Lamoni, Iowa, assignor to Radio Corporation of America. Plural function circuit. 2,469,261, May 3.

Stålhandske, David, Bofors, Sweden. Chuck. 2,469,014, May 3.

Standard Oil Company, assignee: *See*—
Anderson, John A., and Voorhees.

Standard-Vacuum Oil Company, assignee: *See*—
Jones, Norman L.

Stanmyre, Rudolph W., Syracuse, N. Y. Device for indicating the sum of the intensity and duration of sound. 2,469,782, May 3.

Star Bedding Co., The, assignee: *See*—
Paransky, Louis.

Stareck, Jesse E., and L. M. Corilas, Detroit, Mich., assignors to United Chromium, Incorporated, New York, N. Y. Method and compositions for prodncing surface conversion coatings on zinc. 2,469,015, May 3.

Steel Products Engineering Company, The, assignee: *See*—
Sasser, John D.

Steele, Homer M., Ashland, Ky. Fender door lock. 2,469,283, May 3.

Stereoptics Limited, assignee: *See*—
Dudley, Leslie P. C. J.

Stilbert, Elmer K.: *See*—
Young, Arthur E., and Stilbert.

Stofer, Willard E.: *See*—
Ross, Donald E., and Stofer.

Stone, John T., Baltimore, Md. Tray type fuel oil burner. 2,469,135, May 3.

Stone, John T., Baltimore, Md. Gun type burner. 2,469,136, May 3.

Stopper, George M., Glendale, Calif. Gravity fed disk magazine. 2,469,016, May 3.

Stover, William A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Homogeneous gaseous phase catalytic alkylation of isobutane with cyclopropane. 2,469,344, May 3.

Stoye, Kurt, assignor, by mesne assignments, to L. C. Krazinski, New York, N. Y. Cigarette and pipe lighter. 2,469,248, May 3.

Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Stock guide and power control for electric furnaces. 2,468,789, May 3.

Strong, Elbie C., Sunnyside, assignor to Waugh Equipment Company, New York, N. Y. Vibration indicator. 2,469,137, May 3.

Sulter, Earle E., United States Navy. Aircraft landing gear. 2,468,790, May 3.

Sullivan, Ramon E., San Francisco, Calif. Game device. 2,469,058, May 3.

Sulzer, Frères, Société Anonyme, assignee: *See*—
Meisser, Christian.

Sun Rubber Company, The, assignee: *See*—
Kempthron, David C.

Sundet, Sherman A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Terminating the polymerization of butadiene-1,3 hydrocarbons. 2,469,017, May 3.

Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Apparatus for electrically testing and classifying resistors. 2,468,843, May 3.

Suter, Chester M.: *See*—
Albertson, Noel F., Archer, and Suter.

Sutherland, Carl H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spring commutator. 2,468,844, May 3.

Swan, Donald R., Berea, Ohio, assignor, by mesne assignments, to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Low viscosity polyvinyl butyral resins and making same. 2,469,318, May 3.

Swan, Donald R., Berea, Ohio, assignor, by mesne assignments, to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Sanding sealers embodying polyvinyl butyral resins. 2,469,319, May 3.

Swan, Donald R., Berea, Ohio, assignor, by mesne assignments, to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Coating compositions embodying polyvinyl butyral resins and making same. 2,469,320, May 3.

Swanson, Gunner E., New Britain, Conn. Cylinder lock key retainer and positioner. 2,469,018, May 3.

Swartz, Clark, Cody, Wyo. Derrick mover. 2,469,087, May 3.

Sway, Henry C., Bridgeport, Conn., assignor to General Electric Company. Snap-action thermostatic switch. 2,469,217, May 3.

Swenson Evaporator Company, assignee: *See*—
Courtier, Edward W.

Symington-Gould Corporation, The, assignee: *See*—
Barrows, Donald S.

Symonds, Robert H.: *See*—
Hutt, Stanley, and Symonds.

Tabler, Herbert K., assignor to I. Tabler, Plymouth, Ill. Farm gate. 2,469,019, May 3.

Tabler, Imegene, assignee: *See*—
Tabler, Herbert K.

Tamele, Miroslav: *See*—
Ryland, Lloyd R., and Tamele.

Teot, Arthur S.: *See*—
Griess, Gerald A., and Teot.

Texas Company, The, assignee: *See*—
Miller, Gordon H.

Textile Researchee Limited, assignee: *See*—
Seiler, Frits.

Thacker, Carlisle M., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Alkylation of hydrocarbons. 2,468,899, May 3.

Thiokol Corporation, assignee: *See*—
Alexander, Robert O.

Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Engine mount. 2,468,900, May 3.

Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Ruber Company, Akron, Ohio. Cushioning and vibration damping support. 2,468,901, May 3.

Thomas, Charles W. I., Market Drayton, England. Sponge-down apparatus. 2,469,184, May 3.

Thomas, Henry P., Fayetteville, N. Y., assignor to General Electric Company. Negative feed-back transmission system. 2,469,218, May 3.

Thompson, Jason F., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Producing alumina. 2,469,088, May 3.

Thompson, Leslie E., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Alternating electric current rectifier. 2,468,845, May 3.

Thompson Products, Inc., assignee: *See*—
Booth, James H.

Thomson, E. Craig, Boston, assigner to Photoswitch, Incorporated, Cambridge, Mass. Conductivity control. 2,468,791, May 3.

Thomson, Robert D., Lynn, Mass. Awning hangers and suspending awnings on said hangers. 2,469,020, May 3.

Tibores, Alexander J.: *See*—
Zsiner, John, and Tibores.

Toti, Andrew J., and P. Princevalle, Modesto, Calif. Automatic fowl picker. 2,469,345, May 3

Trainor, Foster J., Holly Hill, Fla. Electric lamp and socket. 2,468,846, May 3.

Trainor, Foster J., assignor to Disto Corporation, Holly Hill, Fla. Snap action coupling device. 2,468,847, May 3.

Trainor, Foster J., assignor to Disto Corporation, Holly Hill, Fla. Snap action coupling device. 2,468,848, May 3.

Trainor, Foster J., Holly Hill, Fla. Detachable coupling. 2,468,849, May 3.

Trevor, Bertram: *See*—
Atwood, John B., and Trevor.

Troutman Shirt Company, assignee: *See*—
Brown, Holwin T.

Truckseis, David E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulation. 2,468,850, May 3.

Tullis, Boyd W., assignor to The Coleman Company, Inc., Wichita, Kans. Portable stove. 2,469,185, May 3.

Turk, Amos, Mount Lebanon, Pa., assignor of fifty per cent to P. D. Boone, Washington, D. C. Oxidized oleđn liquids. 2,469,059, May 3.

Turner, Alfred H.: *See*—
Gehman, John B., and Turner.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin check for weft replenishing looms. 2,469,089, May 3.

Tydeman, Clarence W., San Mateo County, assignor to General Engineering and Dry Dock Corporation, San Francisco, Calif. High-speed grinding spindle. 2,469,186, May 3.

Union Asbestos & Rubber Co., assignee: *See*—
Landwall, John S.

Union Switch and Signal Company, The, assignee: *See*—
Breisch, Edgar W., and Seitz.
Douglass, Myrl R.
Thompson, Leslie E.
Van Glider, Burrows C.

United Aircraft Corporation, assignee: *See*—
Dickerman, Fred N.

United Chromium, Incorporated, assignee: *See*—
Stareck, Jesse E., and Corliss.

United Shoe Machinery Corporation, assignee: *See*—
Burns, Francis A.
Jergensen, Bernhardt.
Pratt, John W.

Universal Atlas Cement Company, assignee: *See*—
Robison, Sidney J.
Ruedi, Arthur E.

Universal Oil Products Company, assignee: *See*—
Iverson, John O.

Van Glider, Burrows C., North Wales, assignor to The Union Switch and Signal Company, Swissvale, Pa. Transmitting apparatus for inductive carrier railway train communication systems. 2,469,138, May 3.

Van Horne Kaestner Leather Co., assignee: *See*—
Garratt, Henry.

Van Winkle, John L.: *See*—
Morris, Rupert C., and Van Winkle.

Varian, Russell H.: *See*—
Hansen, William W., and Varian.
Hansen, William W., and S. F. and R. H. Varian.

Varian, Sigurd F.: *See*—
Hansen, William W., and S. F. and R. H. Varian.

Vaughan, John T.: *See*—
Wood, Alden O., and Vaughan.

Venger, Jacob: *See*—
Bennett, Irving, Venger, and Waddell.

Ventre, Emil K., Baton Rouge, La., assignor to United States of America as represented by the Secretary of Agriculture. Extraction of aconitic acid from sugarcane. 2,469,090, May 3.

Vetter, Herman, Los Angeles, Calif. Portable ice skating floor. 2,469,021, May 3.

Villiger, Eugen, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Double-walled body for hot gases or vapors under superatmospheric pressure. 2,468,902, May 3.

Villiger, Eugen, assignor to Aktiengesellschaft Fuer Technische Studien, Zurich, Switzerland. Vertical tubular heat exchanger. 2,468,903, May 3.

Vincent, George P., Briarcliff Manor, N. Y., and A. L. Dubeau, Rumford, R. I., assignors to Mathieson Chemical Corporation. Scouring cellulosic textiles using steam. 2,469,249, May 3.

Vingerhoets, Antonius W.: *See*—
Oosterkamp, Wijbe J., and Vingerhoets.

Von Schrenk, Alma, New York, N. Y. Lady's head covering. 2,469,250, May 3.

Voorhes, Vanderveer: *See*—
Anderson, John A., and Voorhees.

Vosbikian, Peter S., and T. S. Vosbikian, Melrose, Pa. Flexible mop head. 2,469,080, May 3.

Vosbikian, Thomas S.: *See*—
Vosbikian, Peter S. and T. S.

Waddell, George C.: *See*—
Bennett, Irving, Venger, and Waddell.

Wagner, Cary R., Utica, Ohio, assignor to Phillips Petroleum Company. Production of carbon bisulfide. 2,468,904, May 3.

Wagner, Cary R., Utica, Ohio, and W. N. Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Drilling fluids and using same. 2,468,792, May 3.

Wagner, Robert J.: *See*—
McArthur, Bruce E., Bohn, and Wagner.

Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Electric motor control system. 2,469,139, May 3.

Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Synchronizing system for geared motors. 2,469,140, May 3.

Walker Manufacturing Company of Wisconsin, assignee: *See*—
Manke, Raymond F.

Walker, Ronald W., and W. G. Jamieson, Glasgow, Scotland. Computer for determining the correct proportions of ingredients for a selected mixture. 2,469,022, May 3.

Wallace, James M., Braddock, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Reclosing circuit interrupter. 2,468,851, May 3.

Wallace, James M., Braddock, H. J. Rawlins, Swissvale, J. M. Cumming, and W. S. Aspey, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,468,852, May 3.

Wallsten, Walfred A.: *See*—
Widerberg, Oscar A., and Wallsten.

War, The United States of America as represented by the Secretary of, assignee: *See*—
Groh, Bernard C.

Warner Electric Brake Manufacturing Company, assignee: *See*—
Oetzel, John G.

Warneck, Orin B., and R. Benner, Nampa, Idaho. Power digger and loader. 2,469,187, May 3.

Warren, John B., Jr., Houston, Tex. Detecting wear on bits. 2,468,905, May 3.

Watkins, Randell C.: *See*—
Wuerl, Rudolph A., and Watkins.

Watter, Michael, assignor to The Budd Company, Philadelphia, Pa. Fatigue-testing machine. 2,469,346, May 3.

Watts, Roy W., Calgary, Alberta, Canada. Vibratory bridge for stringed musical instruments. 2,469,091, May 3.

Waugh Equipment Company, assignee: *See*—
Munro, George R., and Ulig.
Strong, Elbie C.

Webb, George L., assignor to R-B-M Manufacturing Company, Logansport, Ind. Cutout relay system. 2,469,092, May 3.

Webber, Hugh E., Hempstead, N. Y., assignor to The Sperry Corporation. High-frequency resistor. 2,468,793, May 3.

Wedler, Frederick C.: *See*—
Kennedy, Edgar S., and Wedler.

Weisglass, Louis L.: *See*—
Simon, Alfred, and Weisglass.

Werner, George K., assignor to M-K Enterprises, Inc., Chicago, Ill. Variable phase shifter. 2,469,188, May 3.

West, Howard K.: *See*—
Berger, Emil J., and West.

Westinghouse Electric Corporation, assignee: *See*—
Jernstedt, George W.
Newton, John S.
Sutherland, Carl H.
Wallace, James M.
Watlace, James M., Rawlins, Cumming, and Aspey.

West Michigan Steel Foundry Company, assignee: *See*—
Seyferth, Carl G.

Wheel Trueing Tool Company, assignee: *See*—
Bruce, Stanford P.

White, Chester M., assignor to Genesee Research Corporation, Rochester, N. Y. Flushing fluid for hydraulic brake systems. 2,469,284, May 3.

White, Chester M., assignor to Genesee Research Corporation, Rochester, N. Y. Hydraulic pressure transmitting fluid. 2,469,285, May 3.

White, Edward R., New Rochelle, N. Y. Envelope. 2,469,251, May 3.

White, William, Newark, N. J. Pin spot marker for bowling alleys. 2,469,210, May 3.

White, William G., Aberdeen, Wash. Pivotal stake and latch therefor. 2,469,023, May 3.

White, William G., Aberdeen, Wash. Stake buck. 2,469,093, May 3.

Whitehead, William, Forest Hills, N. Y., assignor to Celanese Corporation of America. Precision measuring instrument having a thread for a motion transmission link. 2,468,906, May 3.

Whitehill, Lynwood N.: *See*—
Shokal, Edward C., and Whitehill.

Wicker, Joseph, Chicago, Ill. Work holder fixture. 2,469,094, May 3.

Widerberg, Oscar A., and W. A. Wallsten, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Apparatus for refinishing tampico rolls and brushes. 2,469,095, May 3.

Wiedman, Edward L., Tonawanda, N. Y. Snowplow. 2,468,950, May 3.

Wiegert, Wallace A., and E. W. Dunham, Floral Park, N. Y. Mounting wall and celing paneling. 2,469,252, May 3.

Wilbur, Paul C., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Vented cooker valve. 2,468,794, May 3.

Wilkinson, Peter A.: *See*—
Bide, Austin E., Nicholls, and Wilkinson.

Williams, John H.: *See*—
Maatney, Edward J., and Williams.

Williams, John H., assignor to Oak Mfg. Co., Chicago, Ill. Preselector for radio-frequency network. 2,469,189, May 3.

Williamson, John A., assignor to The Carborundum Company, Niagara Falls, N. Y. Abraeive web material. 2,468,853, May 3.

Wilson, Robert M., and G. F. Phillipps, Battle Creek, Mich. Electric fence post. 2,468,907, May 3.

Wilson, William C., Pittsburg, Kans. Ventilator. 2,469,090, May 3.

Windhorst, Pearl R., Oakland, Calif., assignor to American Seating Company, Grand Rapids, Mich. Unitary chalk and eraser holder. 2,469,347, May 3.

Winkler, Albert H., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure responsive valve mechanism. 2,469,038, May 3.

Winters, Starling, Englewood, N. J. Flare. 2,468,795, May 3.

Winthrop-Stearns, Inc., assignee: *See*—
Albertson, Noel F., Archer, and Suter.
Huber, Wolfgang, and Boehme.

Wong, James T., Vallejo, Calif. Making preformed packing. 2,468,797, May 3.

Wood, Alden O., Parma, and J. T. Vaughan, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Method of and apparatus for dual coil induction heating. 2,468,796, May 3.

Wood, Louis S., Burlingame, Calif. Power-operated tail gate mechanism for vehicles. 2,469,321, May 3.

Woodman, Thomas C., London, England, assignor, by mesne assignments, to Celanese Corporation of America. Loom temple. 2,468,908, May 3.

Woodring, William R. Van Nuys, Calif. Box connector for flexible electrical conduits. 2,468,854, May 3.

Wrenn, Herbert A., Lanham, Md. Variable capacity sliding vane pump. 2,469,097, May 3.

Wuerl, Rudolph A., and R. C. Watkins, Butte, Mont. Christmas tree holder. 2,469,280, May 3.

Yeager, Evelyn M., executrix: *See*—
Yeager, Milburn E., and Cnossen.

Yeager, Milburn E., Needham, and A. J. Cnossen, Reho-both, Mass.; E. M. Yeager, executrix of said M. E. Yeager, deceased; said E. W. Yeager assignor to said Cnossen. Auxiliary air heater. 2,468,906, May 3.

Yokel, Frank, Pittsburgh, Pa. Refractory element for electric heaters. 2,469,287, May 3.

Young, Arthur E., and H. M. Hoogsteen, assignors to The Dow Chemical Company, Midland, Mich. Modified styrene-linseed oil interpolymers. 2,468,798, May 3.

Young, Arthur E., and E. K. Stilbert, assignors to The Dow Chemical Company, Midland, Mich. Cellulose derivative compositions. 2,469,348, May 3.

Young Radiator Company, assignee: *See*—
Shaw, Joe C.

Zeidler, Kurt E., Chicago, Ill. Blind bolt device. 2,469,349, May 3.

Ziels, Norbert W., Leonia, and W. H. Schmidt, Grantwood, N. J., assignors to Lever Brothers Company, Cambridge, Mass. Hydrogenating fat. 2,468,799, May 3.

Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door operating mechanism for dump cars. 2,469,220, May 3.

Zsiner, John, and A. J. Tibores, Detroit, Mich; said Zsiner assignor to said Tibores. Scooter construction. 2,468,910, May 3.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Blower, Axial. E. A. Stalker. Re. 23,108, May 3.
Conveyer, Extensible. L. A. Mapes. Re. 23,107, May 3.
Vessel, Double wall. E. A. Gullck. Re. 23,106, May 3.

LIST OF DESIGN INVENTIONS

Airplane. E. V. Eichman. 153,590, May 3.
Ampoule sealing device. J. H. Brewer. 153,584, May 3.
Ash tray. A. Scherta. 153,640, May 3.
Awning, Louvered corrugated metal. S. K. Peeples. 153,622, May 3.
Bottle. E. N. Graham. 153,600, May 3.
Bottle or similar article. T. D'Addario. 153,586, May 3.
Brooch or similar article. A. Philippe. 153,624–7, May 3.
Brooch or similar article. A. Philippe. 153,629–30, May 3.
Cabinet for a heater or the like. L. H. Wilson. 153,655, May 3.
Cabinet, Radio phonograph. L. G. Stone. 153,646, May 3.
Calendar and desk pad unit, Combined. E. Frankl. 153,596, May 3.
Can or similar article. G. C. Erb. 153,591, May 3.
Candlestick or the like. B. Ulvad. 153,650, May 3.
Cap or similar article, Bottle. F. M. Breen. 153,583, May 3.
Car body, Railway dining. R. W. Haman. 153,603, May 3.
Car body, Railway dining. F. L. Murphy and R. W. Haman. 153,618, May 3.
Case for a hearing aid amplifier unit. R. B. Bland. 153,576–7, May 3.
Caster and perfume holders, Combination. J. Duberstein. 153,589, May 3.
Clip or similar article, Pencil. F. Winter. 153,656, May 3.
Clock. S. E. Koplar. 153,611, May 3.
Clock. A. J. Nelson. 153,619, May 3.
Clothespin. J. Stanley, Sr., and J. Stanley, Jr. 153,644, May 3.
Container, Bill. W. E. Hilby. 153,606–7, May 3.
Container, Display. J. O. Reinecke. 153,636, May 3.
Corner unit, Insulating siding. R. D. Bordeaux. 153,579–82, May 3.
Crib toy or the like. E. Szantay. 153,647, May 3.
Cross. J. J. Gresh. 153,601, May 3.
Desk unit, Combination. E. H. Reiss. 153,637, May 3.
Dress. R. Trigere. 153,649, May 3.
Earring. L. D. Kline. 153,610, May 3.
Earring or similar article. A. Philippe. 153,628, May 3.
Fabric, Knitted. M. Sidore. 153,641, May 3.
Fabric, Pleated. R. J. Nelson. 153,620, May 3.
Fabric, Textile. S. Weinberg. 153,653, May 3.

Fish lure. A. Dolak. 153,587, May 3.
Fixture, Double cove lighting. I. G. Gangbin. 153,598, May 3.
Fixture, Lighting. I. G. Gangbin. 153,597, May 3.
Frame, Handbag. A. J. Fleres. 153,594, May 3.
Frame, Sunglass. J. R. Watkins. 153,652, May 3.
Game board, Educational. S. A. Patterson. 153,621, May 3.
Gauge, Portable pneumatic. F. L. Rupley. 153,639, May 3.
Grille guard, Automobile. F. J. Faulhaber. 153,593, May 3.
Holder and container or similar article, Combination dental floss. P. Keane. 153,609, May 3.
Juicer, Electric fruit. H. L. Stiles. 153,645, May 3.
Lamp base, Floor. I. I. Gotliffe. 153,599, May 3.
Lamp, Electric table. D. Hewitt. 153,605, May 3.
Lamp, Transparent prism vanity. E. L. Culwell. 153,585, May 3.
Lighter, Table. A. F. Reilly. 153,631–5, May 6.
Molding machine or the like. G. S. Bohannon. 153,578, May 3.
Mowing machine. K. E. Hileman. 153,608, May 3.
Ornament, Christmas tree. R. J. Silverman. 153,642, May 3.
Oven. W. Fader. 153,592, May 3.
Pen, Fountain. J. A. Snodgrass. 153,643, May 3.
Pressure gauge and relief valve or similar article, Combined. R. D. Waite. 153,651, May 3.
Rain hood or similar article. W. J. Peters. 153,623, May 3.
Scooter, Child's. R. H. Arbib. 153,575, May 3.
Screen building for an outdoor theatre. S. H. Taylor, Jr. 153,648, May 3.
Shoe. S. Litvack. 153,613, May 3.
Sign, Retractable. J. J. Hammer. 153,604, May 3.
Spinning aerial cargo toy. D. W. Main. 153,614, May 3.
Spoon or similar article of tableware. N. J. Mercer. 153,615–17, May 3.
Sprinkler, Lawn. O. A. Langos. 153,612, May 3.
Telephone, Marine radio. G. W. Florian. 153,595, May 3.
Tractor, Power driven. E. H. Remde. 153,638, May 3.
Trim for a window or the like, Overhead. L. Drnevich. 153,588, May 3.
Viewer, Slide. P. H. Halbriter. 153,602, May 3.
Wagon, Utility. A. H. Wende. 153,654, May 3.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accumulator shell sealing plug. J. Mercier and E. M. Greer. 2,469,171, May 3.
Acetal resins. D. E. Adelson and H. F. Gray, Jr. 2,469,288, May 3.
Aconitic acid from sugar-cane, Extraction of. E. K. Ventre. 2,469,090, May 3.
Actuator device, Unitary mechanical. W. P. Lear. 2,469,269, May 3.
Acylation of aromatic alkoxy compounds. A. I. Kosak and H. D. Hartough. 2,468,762, May 3.
Adducts of unsaturated acids with cyclic polymers of hexadienes and their production and utilisation. R. C. Morris and J. L. Van Winkle. 2,468,769, May 3.
Adhesive compress. E. M. Campbell. 2,469,064, May 3.
Adjustable automobile seat. L. B. Rivard and R. J. McCarthy. 2,469,243, May 3.
Adjustable bed frame. A. Lorens. 2,468,765, May 3.
Aerodynamic impelling device. J. S. Sharpe. 2,468,787, May 3.
Air conditioner. W. E. Burgess. 2,469,259, May 3.
Air conditioning. S. W. E. Andersson. 2,469,142, May 3.
Aircraft landing gear. E. E. Sulter. 2,468,790, May 3.
Airplane and helicopter sustained aircraft. H. T. Avery. 2,468,913, May 3.
Airplane wing. R. A. La Pointe. 2,468,888, May 3.
Alarm and protector. P. La Porta. 2,468,829, May 3.
Alarm system, Abnormal temperature and ground detector. E. J. Poitras. 2,469,001, May 3.
Alarm system, Telephone. R. A. Sears. 2,469,278, May 3.
Alkyl esters of α-acyl, α-acylamino, β(3-indole)-propionic acid. N. F. Albertson, S. Archer, and C. M. Suter. 2,468,912, May 3.
Alkylation of hydrocarbons. C. M. Thacker. 2,468,899, May 3.
Alumina, Producing. J. F. Thompson. 2,469,088, May 3.
Aluminum soaps and certain classes of useful compositions containing aluminum soaps, Preparing. N. L. Jones. 2,469,041, May 3.
Amine salt composition, Fatty acid. C. W. Hoerr. 2,468,755, May 3.
Amusement device, Airplane. A. Orance. 2,468,893, May 3.
Amyl alcohols, Dehydrating. P. A. Laurent. 2,468,764, May 3.
Anchorage. E. A. Black. 2,468,729, May 3.
Antenna system, Single-ended. M. W. Scheldorf. 2,469,209, May 3.
Apparatus for conducting reactions in the presence of a solid material. J. A. Crowley, Jr. 2,469 329, May 3.
Apparatus for electrically testing and classifying resistors. D. E. Sunstein. 2,468,843, May 3.
Apparatus for feeding liquid or gaseous materials, Automatic. E. E. Harper. 2,469,230, May 3.
Apparatus for full fusion welding of rails. E. F. Begtrup. 2,469,062, May 3.
Apparatus for high evacuation. E. F. Shelby. 2,469,006, May 3.
Apparatus for preparing bungs of ceramic ware for firing. R. B. Gould. 2,469,229, May 3.
Apparatus for producing hollow rubber articles. D. C. Kempthorn. 2,468,760, May 3.
Apparatus for progressively enameling continuous metal sheeting. W. G. Martin. 2,469,123, May 3.
Apparatus for refinishing tampico rolls and brushes. O. A. Widerberg and W. A. Wallaten. 2,469,095, May 3.
Apparatus for setting finishing compositions. R. A. Liebel. 2,469,270, May 3.
Apparatus for small fishing craft, Portable propelling. A. Montalbano. 2,468,889, May 3.
Apparatus for treating crude oil vapors. A. V. B. Candler. 2,468,958, May 3.
Apparatus for tree culture, Moisture measuring and calibrating. R. J. Hagerty. 2,468,972, May 3.
Apparatus for use in making precoiled helical fins. E. Broegger. 2,469,223, May 3.
Apparel-hanger cabinet. M. Ascherl. 2,469,148, May 3.
Apparel, Head. E. McCaffrey. 2,468,937, May 3.
Appliance, Body resting. A. W. Schenker. 2,469,084, May 3.
Arc discharge device. C. G. Smith. 2,468,788, May 3.
Arc welding, Gas blanketed. F. M. Drake. 2,468,808, May 3.
Arrangement for the salting and hooking of fish (herring). S. A. Rarstad. 2,469,026, May 3.
Attachment for tractors, Power. P. J. Slater. 2,469,181, May 3.
Automatic tack dispenser. E. Kozachuk. 2,469,233, May 3.
Automobile body construction. S. W. Ford. 2,469,068, May 3.
Auxiliary air heater. M. E. Yeager and A. J. Cnossen. 2,469,009, May 3.
Back tension drive. J. D. Rosebrough. 2,469,004, May 3.
Bait, Fish. W. P. Horton. 2,468,877, May 3.
Bail insert, Bowling. C. W. Jerome. 2,469,268, May 3.
Bather, Baby. R. W. Faulhaber. 2,468,742, May 3.
Belt, Transmission. L. H. Shingle. 2,468,898, May 3.
Bench, Automobile door repair. R. Bremer. 2,469,151, May 3.
β-lactones, Preparing. H. J. Hegemeyer, Jr. 2,469,110, May 3.
Bicycle stand. A. J. Landry. 2,468,763, May 3.
Bicycle trailer coupling. W. R. Peek. 2,468,894, May 3.
Binding means for loose leaves. H. Li Castri. 2,469,168, May 3.
Bis-phenols, Preparation of. J. E. Jansen. 2,468,982, May 3.
Block: *See*—
Garment sleeve block.
Blowpipe machine, Circle cutting. W. R. Helwig. 2,469,112, May 3.
Blowing in blast furnaces. W. W. Durfee and J. P. Foley. 2,468,738, May 3.
Bobbin check for weft replenishing looms. R. G. Turner. 2,469,089, May 3.
Bobbin, Yarn. L. A. Carlson. 2,469,103, May 3.
Boiler: *See*—
Sectional boiler.
Bolt device, Blind. K. E. Zeidler. 2,469,349, May 3.
Bottle attachment. J. Rifen. 2,468,780, May 3.
Bowling apparatus, Miniature. S. L. Long. 2,469,236, Mar. 3.
Box: *See*—
Folded box.
Bracket device, Hanger. W. J. Miller. 2,468,992, May 3.
Brad. C. B. Goodstein. 2,468,821, May 3.
Braiding machine. H. Loader. 2,469,047, May 3.
Brake beam. F. Schaefer. 2,469,083, May 3.
Brake lever operated switch. R. A. Kropp. 2,469,120, May 3.
Breathing apparatus. J. H. Emerson. 2,468,741, May 3.
Bridge for stringed musical instruments, Vibratory. R. W. Watts. 2,469,091, May 3.
Bridle, Bitless. R. E. Lawe. 2,469,046, May 3.
Broaching cutter. J. C. Garand. 2,468,745, May 3.
Brush for vacuum cleaners, Dusting. A. L. Brakman. 2,469,256, May 3.
Bubble composition. J. R. La Vietes. 2,469,045, May 3.
Buffer, Hydraulic. E. F. Rossman. 2,469,275, May 3.
Bunk, Stake. W. G. White. 2,469,093, May 3.
Burner: *See*—
Gun type burner. Tray type fuel oil burner.
Oil burner.
Pressure atomizing oil burner.
Bus, Electrical. B. E. McArthur, D. I. Bohn, and R. N. Wagner. 2,469,073, May 3.
Cabinet: *See*—
Apparel-hanger cabinet. Sectional radio cabinet.
Cabinet having an air-pump circuit, Refrigerating. F. N. James. 2,468,932, May 3.
Cable for power transmission, Square section. J. F. Salvans. 2,469,178, May 3.
Calculator and recorder, Train performance. S. V. Smith. 2,469,011, May 3.
Calendar having a pocketed backing member, Foldable leaf memoranda. P. E. Raffner. 2,469,177, May 3.
Camera control for bombardment aircraft. H. P. Roganti. 2,468,781, May 3.
Camera with detachable magazine, Roll film. A. Simmon and L. L. Weisglass. 2,469,008, May 3.
Can body making machine. J. F. Peters. 2,468,777, May 3.
Candleholder. C. D. Gilmore. 2,469,163, May 3.
Cap turning means, Closure. W. B. Johnson. 2,468,757, May 3.
Car wheel construction for resisting the transmission of vibrations. E. B. Hudson. 2,468,931, May 3.
Carbon bisulfide, Production of. C. R. Wagner. 2,468,904, May 3.
Carrier: *See*—
Collapsible luggage carrier.
Case: *See*—
Key case.
Case and atomizer, Vanity. S. Hutt and R. H. Symonds. 2,469,267, May 3.
Casein, Purifying. R. J. Block and H. W. Howard. 2,468,730, May 3.
Catalyst for cracking hydrocarbons. L. B. Ryland and M. Tamele. 2,469,314, May 3.

Catalytic alkylation. G. C. Johnson and B. W. Rope. 2,469,335, May 3.
Cathode structure, Slotted. B. J. Butler. 2,468,736, May 3.
Cellulose derivative compositions. A. E. Young and E. K. Stilbert. 2,469,348, May 3.
Cellulose ester material with acid and direct dyes, Printing. C. F. Miller. 2,468,940, May 3.
Centering means for railway draft devices. E. P. Kinne and F. H. Kayler. 2,469,118, May 3.
Chair: *See*—
Power operated chair.
Chemical process. R. Johnson. 2,468,759, May 3.
Chest protector. S. Siegel. 2,468,841, May 3.
Chloral alcoholate, Production of. W. Bridge and J. Matchet. 2,468,861, May 3.
Chlorine from hydrogen chloride. F. S. Low. 2,468,766, May 3.
Christmas tree holder. R. A. Wuerl and R. C. Watkins. 2,469,286, May 3.
Chuck. W. G. Sherman. 2,468,946, May 3.
Chuck. D. Stålhandske. 2,469,014, May 3.
Chuck, Air. R. E. La Pointe. 2,469,198, May 3.
Circuit: *See*—
Electronic counter circuit. Voltage regulator tube circuit.
Plural function circuit.
Reactance tube circuit.
Circuit breaker, Electrical. J. F. O'Brien and J. B. Cataldo. 2,468,774, May 3.
Circuit interrupter. J. M. Wallace, H. L. Rawlins, J. M. Cummings, and W. S. Aspey. 2,468,852, May 3.
Circuit interrupters, Reclosing. J. M. Wallace. 2,468,851, May 3.
Circuit tuner. J. G. Beard and R. F. Dressler. 2,469,324, May 3.
Clamp. E. M. Houseplan. 2,468,823, May 3.
Clamping apparatus, Collar. H. D. Forse. 2,469,226, May 3.
Cleaner: *See*—
Ingot mold cleaner.
Cleaning assembly, Teeth. F. B. Cooper. 2,469,261, May 3.
Cleaning device, Pneumatic. T. P. Kleyn. 2,468,934, May 3.
Cleaning unit, Teeth. M. Boulicault. 2,468,732–3, May 3.
Clipper, Pneumatic. P. J. Slater. 2,469,182, May 3.
Clothes drier. J. B. Nelser. 2,468,891, May 3.
Clothes-drying rack. J. G. Rothrock. 2,469,208, May 3.
Coating compositions embodying polyvinyl butyral resins and making same. D. R. Swan. 2,469,320, May 3.
Coating compositions, Wire. W. E. Boak. 2,469,150, May 3.
Coil induction heating, Method of and apparatus for dual. A. G. Wood and J. T. Vaughan. 2,468,796, May 3.
Collapsible luggage carrier. E. Pohl. 2,469,242, May 3.
Collector, Refuse. A. T. C. Dear. 2,469,033, May 3.
Combined condiment container. M. A. Garris. 2,469,034, May 3.
Communication system. W. R. Aiken. 2,468,911, May 3.
Compensated thermal motor. R. G. Olson. 2,468,906, May 3.
Composition of matter comprising carbon black and alkyl thiazyl disulfides. A. L. Hollis. 2,468,978, May 3.
Compressor, Centrifugal. S. A. Shuler, Jr. 2,469,214, May 3.
Compressor for high stage pressures, Centrifugal. C. Meisser. 2,469,125, May 3.
Compressor having means for separating gaseous refrigerant from foam, Reciprocating. D. F. Shepherd. 2,469,088, May 3.
Computer for determining the correct proportions of ingredients for a selected mixture. R. W. Walker and W. G. Jamieson. 2,469,022, May 3.
Concrete, mix therefor, and making, Refractory. A. F. Ruedi. 2,469,081, May 3.
Conductivity control. E. C. Thomson. 2,468,791, May 3.
Connecting coaxial cables. H. C. Schwartz. 2,468,783, May 3.
Connector: *See*—
Screwed sleeve electrical connector.
Connector for flexible electrical conduits, Box. W. R. Woodring. 2,468,854, May 3.
Container: *See*—
Combined condiment container.
Container for postage stamps, Pocket. V. Duchin. 2,468,817, May 3.
Container liquid level indicator. H. P. Murphy. 2,468,833, May 3.
Control and signal device, Altitude responsive. J. D. Sasser. 2,468,945, May 3.
Control apparatus for switches and the like. E. F. Kobl. 2,469,337, May 3.
Control apparatus for tuners. E. J. Mastney and J. H. Williams. 2,469,170, May 3.
Control of fibers, Electrostatic. E. S. Kennedy and F. C. Wedler. 2,468,827, May 3.
Control system. J. H. Booth. 2,468,917, May 3.
Converter, Crystal rectifier. J. B. Atwood and B. Trevor. 2,469,222, May 3.
Cooking equipment. C. C. H. Rasmussen. 2,468,778, May 3.
Coolant relief valve. J. E. Eshbaugh. 2,469,195, May 3.
Cooling projected devices. R. H. Goddard. 2,468,820, May 3.
Core assembly and method, Electromagnetic. W. C. Sealey and F. W. Arend. 2,468,786, May 3.
Core, Laminated magnetic. O. E. Andrus. 2,469,100, May 3.
Corner wall lamp. J. Lerman. 2,469,072, May 3.
Corrected means for removing beetroot tops, Automatically. J. Moreau. 2,468,994, May 3.
Correction device for electron lenses. J. Hillier. 2,469,165, May 3.
Corrosive action of Friedel-Crafts type catalysts, Reduction of. G. H. Miller. 2,468,831, May 3.
Coupling: *See*—
Bicycle trailer coupling. Locked coupling.
Detachable coupling.
Coupling device, Snap action. F. J. Trainor. 2,468,847–8, May 3.
Coupling for tractors and semitrailers. C. G. Seyferth. 2,469,279, May 3.
Covering, Lady's head. A. van Schrenk. 2,469,250, May 3.
Current supply apparatus. J. A. Potter. 2,469,176, May 3.
Curve reading apparatus, Spectrophotometric. G. B. Reimann. 2,469,129, May 3.
Cushioning and vibration damping support. L. F. Thiry. 2,468,901, May 3.
Cutter: *See*—
Broaching cutter.
Cutter and feeder assembly for harvesters, Adjustable. K. O. Peterson. 2,469,241, May 3.
Cutter assembly for rotary plows. L. I. Patterson. 2,468,776, May 3.
Cutting and/or marking apparatus. J. E. Hatfield. 2,469,299, May 3.
Cutting machine, Key. H. Belsser. 2,469,027, May 3.
Cutting tip, Multipiece. H. G. Hughey. 2,468,824, May 3.
Damper, Vibration. J. C. Little. 2,469,167, May 3.
Degreasing device. M. Jaffa. 2,469,040, May 3.
Denture, Removable. R. J. Maniola. 2,469,339, May 3.
Derivatives of cholesterol, Preparation of. A. E. Bide, R. J. Nicholls, and P. A. Wilkinson. 2,468,850, May 3.
Derrick mover. C. Swarts. 2,469,087, May 3.
Desk structure. W. E. Nordmark. 2,469,239, May 3.
Detachable coupling. F. J. Trainor. 2,468,849, May 3.
Detecting and locating system, Object. W. W. Hansen and R. H. Varian. 2,468,751, May 3.
Detecting wear on bits. J. B. Warren, Jr. 2,468,905, May 3.
Device for compounding mixed drinks. G. P. Le Moyne. 2,468,987, May 3.
Device for dispensing matches. S. E. Rabe. 2,469,052, May 3.
Device for indicating the sum of the intensity and duration of sound. R. W. Stanmyre. 2,469,282, May 3.
Device for proportioning liquid mixtures. J. S. Maltese. 2,469,305, May 3.
Die, Bottle capping. A. H. Bedworth and L. G. Curtis. 2,469,191, May 3.
Digger and loader, Power. O. B. Warnock and R. Benner. 2,469,187, May 3.
Discharge device, Hollow resonator. A. F. Pearce. 2,469,240, May 3.
Discharge wave generator. D. L. Hings. 2,468,754, May 3.
Disk magazine, Gravity fed. G. M. Stopper. 2,469,016, May 3.
Dispenser: *See*—
Automatic tack dispenser.
Dispensing apparatus, Article. B. W. Fry. 2,468,819, May 3.
Dispensing device, Beverage. B. G. Copping. 2,469,327, May 3.
Disposal apparatus, Waste. J. H. Powers. 2,469,205, May 3.
Distilling head. A. W. Goldsbarry and H. S. Martin. 2,468,872, May 3.
Dithiazyl disulfide, Preparation of. A. J. Beber. 2,468,952, May 3.
Dolsynolic acids and intermediates therefor, Separting. K. Miescher and R. Rometsch. 2,469,173, May 3.
Dolly for railway cars, vehicles and other objects. E. B. Kelley and H. B. Davis. 2,469,042, May 3.
Door: *See*—
Mine trap door.
Door latch. A. P. Mikkelsen. 2,469,201, May 3.
Door operating mechanism for dump cars. A. E. Zimmer. 2,469,220, May 3.
Door sealing system, Inflatable. W. G. Ross. 2,469,131, May 3.
Doorstop, Magnetic. J. O. Galey. 2,468,969, May 3.
Double-walled body for hot gases or vapors under superatmospheric pressure. E. Villiger. 2,468,902, May 3.
Draft control. Range. R. C. Lang. 2,469,121, May 3.
Drier: *See*—
Clothes drier. Rotary drier.
Drinking tube holder. C. B. Cornwell. 2,469,292, May 3.
Drive for motor vehicles, Hydraulic. H. A. Kopp. 2,468,828, May 3.
Drive unit for floor treating machines. W. E. and W. R. Holt. 2,468,929, May 3.
Driving mechanism, Belt. S. T. and F. L. Farrell. 2,469,296, May 3.
Dry-air pump. C. R. Cox. 2,469,328, May 3.

Ear trumpet, including adjustable sections. S. B. Bankson. 2,469,254, May 3.
Electric motor. K. Conrad and J. W. Hackett. 2,469,104, May 3.
Electric switch. A. Palme and O. P. McCarty. 2,469,263, May 3.
Electrical switch. C. Rein. 2,469,274, May 3.
Electrically heated gliding tool. E. A. Ekstrom. 2,468,965, May 3.
Electromechanical device for governing predetermined changes of positions. R. Gourdon. 2,469,035, May 3.
Electron tube. W. W. Eitel and J. A. McCullough. 2,469,331, May 3.
Electronic counter circuit. A. E. Canfora. 2,469,081, May 3.
Embossed articles, Production of ornamented. G. W. Borkland. 2,468,731, May 3.
Engine: *See*—
Inverted V-type engine.
Enrichening device. A. W. Orr, Jr. 2,468,941, May 3.
Envelope. E. R. White. 2,469,251, May 3.
Esters of beta-thiodipropionic acid, Preparation of long-chain. W. F. Gresham and M. F. Gribbins. 2,468,725, May 3.
Evaluating paper toweling or the like. J. Sobota. 2,469,013, May 3.
Eye-testing device, Plural target. I. Bennett, J. Venger, and G. C. Waddell. 2,468,953, May 3.
Fan type heater. C. A. Lindberg and H. W. Eckles. 2,469,234, May 3.
Farm gate. H. K. Tabler. 2,469,019, May 3.
Fatigue-testing machine. M. Watter. 2,469,346, May 3.
Feed device for paper sheets, Bottom. R. C. Sporleder. 2,468,842, May 3.
Feeder for hat formers, Auxiliary. H. F. Fitch. 2,469,161, May 3.
Fence post, Electric. R. M. Wilson and G. F. Phillipps. 2,468,907, May 3.
Fender door lock. H. M. Steele. 2,469,283, May 3.
Fibers and yarns, Preparing. R. E. Montonna, L. H. Reyerson, and E. Amdur. 2,468,771, May 3.
Film reel construction. W. P. Lloyd. 2,468,767, May 3.
Filter and cooler, Oil. W. S. Collier. 2,468,866, May 3.
Filtering apparatus. A. Rey. 2,468,838, May 3.
Filtering element, Fluid. S. W. Briggs. 2,468,862, May 3.
Filtration. H. O. Davidson. 2,469,293, May 3.
Fire alarm, Smoke actuated. W. J. Else. 2,468,740, May 3.
Fire alarm switch. J. W. Albrecht. 2,469,024, May 3.
Fish lure. G. B. Lobdell. 2,468,988, May 3.
Fitting for wire structures. A. E. Brickman. 2,469,257, May 3.
Fixture, Curtain or drapery. A. A. Allen. 2,469,098, May 3.
Fixture, Electrical connecting. T. M. Davis. 2,468,737, May 3.
Fixture for flame cutting machines, Torch controlling. J. McLauchlan. 2,468,938, May 3.
Fixture, Work holder. J. Wicker. 2,469,094, May 3.
Flare. S. Winters. 2,468,795, May 3.
Flash bider for machine guns. E. Garrett. 2,468,926, May 3.
Flowing wells. O. E. Dempsey. 2,469,225, May 3.
Fluid for hydraulic brake systems, Flushing. C. M. White. 2,469,284, May 3.
Fluid, Hydraulic pressure transmitting. C. M. White. 2,469,285, May 3.
Fluids and using same, Drilling. C. R. Wagner and W. N. Axe. 2,468,792, May 3.
Focusing means for autofocus enlargers, Manual fine. A. Simmon. 2,469,009, May 3.
Foldable vehicle. J. J. and W. J. Banassak. 2,468,914, May 3.
Folded box. B. H. Barter. 2,468,951, May 3.
Folder, Multisectioned. L. Hambrock. 2,468,973, May 3.
Folding device for shipping cartons, Tow. T. L. Nash. 2,468,834, May 3.
Food composition, Packaged. S. L. Galvin. 2,468,744, May 3.
Fractions of highly branched paraffins, Preparation of odorless. H. R. Legatski and C. C. Crawford. 2,468,986, May 3.
Frame: *See*—
Adjustable bed frame.
Frequency modulation. J. G. Beard and L. W. Born. 2,469,289, May 3.
Frequency reducer. H. M. Huge. 2,468,878, May 3.
Friction element for brakes. J. G. Oetzel. 2,469,127, May 3.
Fuel supply for opposed cylinder engines. E. C. Kiekhaefer. 2,469,117, May 3.
Fuels by the catalytic isomerization of high boiling paraffine, Production of improved Diesel engine. B. S. Greensfelder and R. J. Moore. 2,468,746, May 3.
Game device. R. E. Sullivan. 2,469,058, May 3.
Garment sleeve block. E. H. McKeehan. 2,469,306, May 3.
Garment, Transitory. L. M. Kelleher. 2,469,302, May 3.
Gas turbine apparatus. J. S. Newton. 2,469,238, May 3.
Gate: *See*—
Farm gate.
Gauge: *See*—
Height gauge. Radial clearance gauge.
Gear: *See*—
Aircraft landing gear. Toy gear.
Gear for aircraft, Landing. F. N. Dickerman. 2,469,106, May 3.
Gear mechanism, Eccentric drive. S. Rsepela. 2,469,313, May 3.
Gear or wheel puller. C. R. Gilbertson. 2,468,970, May 3.
Generation and modulation of alternating current signals. E. A. Goldberg. 2,469,264, May 3.
Generator: *See*—
Discharge wave generator.
Pulse-modulated wave-signal generator.
Girt, Supporting. G. W. O'Keefe. 2,468,892, May 3.
Glass of very rapid fusion and high point of transformation. A. Dansin and E. Despois. 2,468,868, May 3.
Golf practice device. F. L. Johnston. 2,469,301, May 3.
Golf practice device. S. Quattrin. 2,469,002, May 3.
Governor for motors, Centrifugal. V. C. Kennedy. 2,469,043, May 3.
Grating and making same, Open floor. G. G. Greulich. 2,469,070, May 3.
Grille, Tractor radiator. H. L. Brock and C. F. Kramer. 2,468,809, May 3.
Guanidine phosphates, Preparation of. J. S. Mackay. 2,469,338, May 3.
Guard and deflector for outboard motors, Propeller. R. W. Moore. 2,468,890, May 3.
Guide and power control for electric furnaces, Stock. H. A. Strickland, Jr. 2,468,789, May 3.
Guide, Strip. G. R. Markle. 2,469,169, May 3.
Gun type burner. J. T. Stone. 2,469,136, May 3.
Haloalkylation of aromatic hydrocarbons. H. D. Hartough and P. K. Chung. 2,469,334, May 3.
Hand loom. J. A. Pecott. 2,469,128, May 3.
Handle for paint brushes and the like, Articulate. N. Myers. 2,469,050, May 3.
Hangers and suspending awnings on said bangers, Awning. R. D. Thomson. 2,469,020, May 3.
Heat distribution control. C. E. Markham. 2,468,830, May 3.
Heat-exchange unit. J. C. Shaw. 2,469,316, May 3.
Heat exchanger. J. C. Shaw. 2,469,315, May 3.
Heat exchanger, Plate type. J. F. Belaieff. 2,469,028, May 3.
Heat exchanger, Vertical tubular. E. Villiger. 2,468,903, May 3.
Heater: *See*—
Auxiliary air heater. Space heater.
Fan type heater.
Heater for wort kettles. R. C. Schock. 2,468,840, May 3.
Height gauge. H. Morrison. 2,468,995, May 3.
Helmet, Steel. R. H. Barnes. 2,469,146, May 3.
Hobbyhorse, Galloping. H. J. Fischer. 2,469,263, May 3.
Hoe attachment for rakes. W. K. Smith. 2,469,012, May 3.
Holder: *See*—
Christmas tree holder. Tree holder.
Drinking tube holder. Unitary chalk and eraser holder.
Tape holder.
Homogeneous gaseous phase catalytic alkylation of isobutane with cyclopropane. W. A. Stover. 2,469,344, May 3.
Hood for gas valves. E. H. Mueller. 2,469,074, May 3.
Hydrocarbon resins, Production of. W. K. Griesinger. 2,468,822, May 3.
Hydrocarbons, Conversion of. O. L. Branson. 2,469,325, May 3.
Hydrocarbons, Conversion of. L. P. Evans. 2,469,332, May 3.
Hydrocarbons, Separating. G. L. Gudenrath. 2,468,760, May 3.
Hydrogen fluoride recovery process. J. O. Iverson. 2,468,756, May 3.
Hydrogenating fat. N. W. Ziels and W. H. Schmidt. 2,468,709, May 3.
Illuminating device. J. J. Musinski. 2,468,773, May 3.
Indicator: *See*—
Contsiner liquid level indicator. Vibration indicator.
Magnetic field strength indicator.
Indicator for slide rules, Digit. M. Cherney. 2,468,812, May 3.
Ingot mold cleaner. G. H. Bivens. 2,469,148, May 3.
Inks, Printing. C. A. Reitz and R. F. Lecture. 2,468,779, May 3.
Insect repellent comprising benzyl ethers of ethylene glycol. R. B. Killingsworth. 2,469,303, May 3.
Insecticidal and fungicidal composition. E. C. Shokal and L. N. Whitehill. 2,469,317, May 3.
Insecticidal use of fluoroacetamide. N. M. C. Payne. 2,469,340, May 3.
Instrument for measuring and indicating the intensity of gas currents. W. Rohn. 2,468,896, May 3.
Instrument having a thread for a motion transmission link, Precision measuring. W. Whitehead. 2,468,906, May 3.

Instrument, Musical. G. Barr. 2,468,726, May 3.
Internal expanding pipe wrench. E. B. Collins. 2,468,867, May 3.
Interpolymerization of thiophene and butadiene. P. D. Caesar and A. N. Sachanen. 2,469,326, May 3.
Interpolymers of drying oils, monoalkenyl-aromatic hydrocarbons, and divinyl benzene. G. A. Griess and A. S. Teot. 2,468,747, May 3.
Inverted V-type engine. A. G. Hecreshoff and W. Lamb. 2,468,976, May 3.
Iron having a supporting mechanism, Electric. B. Cooper and A. F. Hohmann. 2,468,813, May 3.
Joint: *See*—
Pipe joint.
Key case. F. Cannon. 2,468,959, May 3.
Key retainer and positioner, Cylinder lock. G. E. Swanson. 2,469,018, May 3.
Knitted ware true to shape, Manufacture of. F. Seller. 2,469,134, May 3.
Knot tier, Fisherman's barrel. J. W. Harvey. 2,469,037, May 3.
Ladder construction. J. Kydd. 2,469,071, May 3.
Lamp: *See*—
Corner wall lamp.
Lamp and socket, Electric. F. J. Trainor. 2,468,846, May 3.
Lamp for optical temperature measurements, Pyrometer. A. Jagersberger. 2,469,115, May 3.
Lasting machine. B. Jorgensen. 2,468,882, May 3.
Latch: *See*—
Door latch.
Latch mechanism. H. W. Hooker. 2,469,113, May 3.
Latch mechanism for car doors. J. S. Lundvall. 2,468,936, May 3.
Lathe with variable speed carriage feed. A. G. Eggers. 2,469,262, May 3.
Lawn mower, Power. N. Rodesci. 2,468,839, May 3.
Lens finder for cameras having adjustable sighting position, Exposure. A. C. Coutant and J. Mathot. 2,468,814, May 3.
Lens unit, Unitary. S. Rosin and G. M. Cressaty. 2,469,080, May 3.
Lever, Valve-actuating. H. E. Pleasant. 2,469,000, May 3.
Lifting apparatus. G. F. Lewis. 2,469,199, May 3.
Light signal. M. R. Douglass. 2,468,815, May 3.
Lifting device. E. H. Pettier. 2,468,999, May 3.
Lifting mechanism. R. F. Manke. 2,469,048, May 3.
Lighter, Cigarette and pipe. K. Stoye. 2,469,248, May 3.
Lighter, Pyrophoric. R. L. Burchett. 2,468,810, May 3.
Loader, Manure. O. C. Siebring. 2,469,007, May 3.
Loading means, Spring. J. H. DeFrees. 2,469,158, May 3.
Lock: *See*—
Fender door lock. Permutation lock.
Locked coupling. H. R. Harding. 2,469,111, May 3.
Locking device, Screw. O. J. Poupitch. 2,469,311-12, May 3.
Loom: *See*—
Hand loom.
Loom attachment for weaving ladder webbing. F. D. Murdock and J. A. De Angelis. 2,469,202, May 3.
Loom temple. T. C. Woodman. 2,468,908, May 3.
Loop for train communication systems, Train carried transmitting. E. W. Breisch and J. I. Seitz. 2,469,102, May 3.
Low viscosity polyvinyl butyral resins and making same. D. R. Swan. 2,469,318, May 3.
Machine drive, Washing. H. D. Brotman. 2,468,919, May 3.
Machine for applying labels to containers. T. L. Cook. 2,468,922, May 3.
Machine for forming gears. H. Pelphrey and J. Martin. 2,469,310, May 3.
Machine for sandblast cleaning of tubular goods. K. L. Krieg and W. T. Johnson. 2,468,984, May 3.
Machine tool support. H. Rosenbloom. 2,469,079, May 3.
Magnet, Magneto. H. Goldberg. 2,469,196, May 3.
Magnetic field strength indicator. E. P. Felch, Jr., and T. Slonczewski. 2,468,968, May 3.
Magneto electric machine. L. H. Scott. 2,469,133, May 3.
Magnetostrictive condition-responsive apparatus. J. L. Russell. 2,469,065, May 3.
Mailbag. W. F. Rothe. 2,468,897, May 3.
Marionettes, Manufacture of. M. M. Osgood. 2,468,997, May 3.
Marker for bowling alleys, Pin spot. W. White. 2,469,219, May 3.
Mask attachment, Welding. C. M. Parker. 2,469,273, May 3.
Material with rubber solution coating, Wrinkle flexible. N. T. Beynon. 2,468,724, May 3.
Mattress. L. Paransky. 2,469,175, May 3.
Means to indicate the presence of vapor in fluid conduit systems. E. A. Malick. 2,468,768, May 3.
Measuring device, Jump. D. D. Ballif. 2,469,145, May 3.
Mechanism for vehicles, Power-operated tail gate. L. S. Wood. 2,469,321, May 3.
Metal finish compositions, Hammered. A. R. Brown, B. T. Hucks, and C. W. Johnson. 2,468,920, May 3.
Metatarsal and outer longitudinal arch support. E. F. Malouf. 2,468,897, May 3.
Mine trap door. L. H. Hawkes. 2,469,164, May 3.
Mirror, Spring mounted two-position prismoidal rear view. G. E. Roeddiug. 2,469,207, May 3.
Moisture control in heat recovery apparatus. P. H. Karlsson and R. S. Cooper. 2,468,826, May 3.
Molding, Method of and apparatus for. I. P. Rodman, Jr. 2,469,130, May 3.
Molding plastics, Method and apparatus for. H. M. Richardson. 2,469,342, May 3.
Mop head, Flexible. P. S. and T. S. Vesbikian. 2,469,060, May 3.
Motion for looms, Harness. P. Matweeff. 2,469,200, May 3.
Motor: *See*—
Compensated thermal motor. Electric motor.
Moter-compressor unit, Sealed. R. M. Smith. 2,468,948, May 3.
Motor control system, Electric. E. C. Wahlberg. 2,469,139, May 3.
Motor control system, Induction. J. W. Dawson. 2,469,294, May 3.
Mount, Engine. L. F. Thiry. 2,468,900, May 3.
Mount, Machine gun. S. T. and F. L. Farrell. 2,469,333, May 3.
Mounting: *See*—
Panel mounting. Propeller mounting.
Mounting for hydraulic shock absorbers. J. Mercier. 2,468,939, May 3.
Mounting for tractor track idlers, Resilient. G. E. Burks. 2,468,957, May 3.
Mounting wall and ceiling paneling. W. A. Wiegert and E. W. Dunham. 2,469,252, May 3.
Noncorrodible valve. R. F. Goecke. 2,469,100, May 3.
Nonwelding contact, Metal-backed. H. L. Merclburg. 2,468,888, May 3.
Oil and by-products from alcoholic solutions of oleaginous materials, Recovery of. A. C. Beckel and P. A. Belter. 2,469,147, May 3.
Oil burner. J. A. Logan. 2,469,271, May 3.
Oil compositions, Lubricating. A. G. Rocchini. 2,469,003, May 3.
Oil-styrene interpolymers, Drying. G. A. Griess and A. S. Teot. 2,468,748, May 3.
Oils and fats, Bleaching. L. F. Henderson and L. H. Libby. 2,468,753, May 3.
Oils, Cere. M. S. Burg. 2,468,956, May 3.
Olefin liquids, Oxidized. A. Turk. 2,469,059, May 3.
Olefinic compounds with hydrogen sulfide, Condensation of. J. L. Eaton and J. B. Fenn. 2,468,739, May 3.
Organic titanium compounds, Producing. J. E. Booge and H. C. Gulledge. 2,468,916, May 3.
Organosilicon compositions and making them. W. H. Daudt. 2,468,869, May 3.
Organo-silicon compositions containing rapidly polymerizable olefinic double bonds, Preparation of. H. H. Hunnell and D. B. Hatcher. 2,469,154, May 3.
Oscillator-detector, Electronic. W. W. Hansen, S. F. and R. H. Varian. 2,468,928, May 3.
Oscillator, Self-contained high-frequency. A. Semauke. 2,469,180, May 3.
Oscillograph. C. M. Hathaway. 2,469,265, May 3.
Outlet for humidifying ducts. A. H. Bahnsen, Jr. 2,468,858, May 3.
Oxidation of sulfuric acid heavy alkylate. E. L. Armstrong and W. A. Beman. 2,469,322, May 3.
Package, Filter cartridge. T. E. Aldham. 2,469,025, May 3.
Package, Spoon. E. C. Siewert. 2,469,343, May 3.
Packaging. L. H. Cargill. 2,469,156, May 3.
Packing, Making preformed. J. T. Wong. 2,468,797, May 3.
Pad: *See*—
Sanitary pad.
Panel mounting. W. W. Small. 2,469,183, May 3.
Passenger escape for vehicles. J. R. Dombrowiak. 2,469,159, May 3.
Paste-applying mechanism. W. A. Brown. 2,469,030, May 3.
Pedal extension and footrest attachment for pianos. G. L. Hebbs. 2,468,977, May 3.
Pencil with body of convolutely wound paper. K. Miller. 2,469,049, May 3.
Permutation lock. G. R. L. S. Fisher. 2,468,967, May 3.
Phase shifter, Variable. W. H. Bussey. 2,469,155, May 3.
Phase shifter, Variable. G. K. Werner. 2,469,188, May 3.
Photographic apparatus for reproduction by direct or reflected light beams. S. W. Langdon. 2,468,935, May 3.
Photographic printing exposure control method and apparatus. J. Rabinowitz. 2,469,076, May 3.
Photometer, X-ray absorption. T. A. Rich. 2,469,206, May 3.
Piano action, Vertical. V. M. Montoya. 2,469,308, May 3.
Picker, Automatic fowl. A. J. Toti and P. Princevalle. 2,469,345, May 3.
Pipe attachment, Exhaust. W. C. Curphy. 2,468,961, May 3.
Pipe joint. J. Lubbock. 2,468,885, May 3.
Pistol, Autoloading. H. E. Seagraves. 2,468,784, May 3.
Piston rod packing. A. H. Heinrich. 2,468,752, May 3.
Plastic composition comprising vinyl resin and dicarbonate ester. F. J. Held, Jr., and R. P. Blaine. 2,468,975, May 3.

Plating. G. W. Jernstedt. 2,468,825, May 3.
Playground device, Trolley suspended. D. C. Grazier. 2,469,069, May 3.
Plow sweep, Adjustable. H. G. Lane. 2,469,044, May 3.
Plug: *See*—
Accumulator shell sealing Spark plug.
plug.
Plural function circuit. R. H. Stafford. 2,469,281, May 3.
Pocket and making same, Patch. G. W. Bayless. 2,468,915, May 3.
Pocket structure. H. T. Brown. 2,468,955, May 3.
Polymerization of butadiene-1,3 hydrocarbons, Terminating the. S. A. Sundet. 2,469,017, May 3.
Polysulfide polymer and making. R. O. Alexander. 2,469,141, May 3.
Post driver. L. M. Gregg. 2,468,971, May 3.
Power conversion attachment. B. F. Schmidt. 2,469,277, May 3.
Power operated chair. C. T. Beall. 2,468,801, May 3.
Power transmission, Hydraulic. R. H. Sheppard. 2,469,085, May 3.
Precipitator, Electrical. H. Klemperer. 2,469,231, May 3.
Preselector for radio-frequency network. J. H. Williams. 2,469,189, May 3.
Pressure atomising oil burner. J. A. Logan. 2,469,272, May 3.
Pressure operated switch. I. E. McCabe. 2,461,024, May 3.
Preventing arsenical injury to plants. J. H. Davidson. 2,469,330, May 3.
Preventing ice formation on surfaces. R. C. Morris and E. C. Shokal. 2,469,309, May 3.
Projector, Motion-picture. L. H. Moomaw. 2,468,993, May 3.
Propeller dolly. L. L'Esperance and H. A. Schneider. 2,468,884, May 3.
Propeller mounting. E. C. Kiekhaefer. 2,469,116, May 3.
Protecting device for the commutator and brushes of dynamo machines. C. W. Berthiez. 2,469,029, May 3.
Protective device. S. R. Smith, Jr. 2,469,215, May 3.
Protective system. G. E. Frost. 2,468,743, May 3.
Protector: *See*—
Chest protector.
Protein fractionation. E. J. Cohn. 2,469,193, May 3.
Puller: *See*—
Gear or wheel puller.
Pulley. S. T. and F. L. Farrell. 2,469,297, May 3.
Pulse-modulated wave-signal generator. J. J. Okrent. 2,469,174, May 3.
Pulse multiplex receiver. J. R. Day. 2,469,066, May 3.
Pump: *See*—
Dry-air pump. Variable delivery rotary
Variable capacity sliding pump.
vane pump.
Rack: *See*—
Clothes-drying rack.
Rack structure. E. M. Gilmore, Jr. 2,469,298, May 3.
Racking mechanism for knitting machines. E. J. Berger and H. K. West. 2,468,728, May 3.
Radial clearance gauge. K. E. Henrikson. 2,468,875, May 3.
Razor. R. H. Smith. 2,469,010, May 3.
Reactance tube circuit. J. L. Delvaux. 2,469,194, May 3.
Recording system. R. F. Shea. 2,469,213, May 3.
Rectifier, Alternating electric current. L. E. Thompson. 2,468,845, May 3.
Reed, Weaving. I. Andrews. 2,468,800, May 3.
Refractory element for electric heaters. F. Yokel. 2,469,287, May 3.
Refrigerating system, Absorption. W. L. Bulkley. 2,469,153, May 3.
Refrigeration. A. Schultze. 2,469,179, May 3.
Relay system, Cutout. G. L. Webb. 2,469,092, May 3.
Repellent, Insect. S. I. Gertler. 2,469,228, May 3.
Resilient connection and making same. A. S. Krotz. 2,468,985, May 3.
Resins and producing same, Synthetic. R. L. Meier and W. E. Elwell. 2,469,295, May 3.
Resistor, High-frequency. H. E. Webber. 2,468,793, May 3.
Retaining means for closure caps. W. B. Johnsen. 2,468,758, May 3.
Rim. C. W. Sinclair. 2,468,947, May 3.
Roller construction, Floor. H. O. De Boer. 2,468,925, May 3.
Rosin-styrene interpolymers. E. D. Morris and G. A. Griess. 2,468,770, May 3.
Rotary drier. G. P. Forni. 2,468,871, May 3.
Rotary switch. C. E. Hammer. 2,468,974, May 3.
Rubber, Preserving. E. S. Blake. 2,469,101, May 3.
Rug braids, Manufacture of. S. Eskow. 2,468,870 May 3.
Rule accessory, Slide. J. G. Adiletta. 2,469,221, May 3.
Safety device for oil burning furnaces, Door operated. F. B. Scanlon. 2,469,082, May 3.
Safety device for temperature regulators. P. Spence. 2,469,057, May 3.
Sanitary pad. W. A. Hermanson. 2,468,876, May 3.
Scooter construction. J. Zelnor and A. J. Tibores. 2,468,910, May 3.
Scouring cellulosic textiles using steam. O. P. Vincent and A. L. Dubeau. 2,469,249, May 3.
Screwed sleeve electrical connector. W. C. Sealey. 2,468,785, May 3.
Seal. G. R. Coss. 2,469,005, May 3.
Seal. E. W. Courtier. 2,468,924, May 3.
Seal for rotary kilns. S. J. Robison. 2,469,078, May 3.
Seal, Shaft. K. A. Holst. 2,469,114, May 3.
Sealers embodying polyvinyl butyral resins, Sanding. D. R. Swan. 2,469,316, May 3.
Sealing composition, Puncture. C. O. Hopping. 2,469,039, May 3.
Sealing means and method for spark plugs. K. Schwartzwalder and C. F. Schaefer. 2,469,211, May 3.
Sealing of anodized aluminum surfaces, Electrolytic. J. F. Mason and A. H. Beebe, Jr. 2,469,237, May 3.
Sealing structure, Piston. M. W. Huber. 2,468,980, May 3.
Sear for automatic and semi-automatic firearms, Automatic. W. C. Roemer. 2,469,053, May 3.
Seat: *See*—
Adjustable automobile Suspension spring seat
seat.
Sectional boiler. N. Achey. 2,469,253, May 3.
Sectional radio cabinet. J. J. Bauman. 2,468,727, May 3.
Seed crystals, Growing p-type. B. R. F. Kjellgren. 2,468,761, May 3.
Self-sealing inner tube demonstration tool. F. E. Mechling. 2,469,307, May 3.
Separating apparatus. C. C. Hermann. 2,469,197, May 3.
Servomotor, Pressure fluid. J. B. Parsons. 2,468,943, May 3.
Sewage treatment. J. J. Campobasso and W. M. Campbell. 2,468,865, May 3.
Sewage treatment and oil and water separation. W. M. Campbell. 2,468,864, May 3.
Sharpener. J. Brockley. 2,469,258, May 3.
Sharpener, Mower. E. M. Bretz and M. V. Bretz. 2,468,860, May 3.
Shears, Sheet metal. J. M. Hart. 2,469,036, May 3.
Shirt, Infant's. E. A. Smicker. 2,469,246, May 3.
Shoe and bottom member. F. A. Burns. 2,468,863, May 3.
Shoe construction. O. M. Pick and B. E. Goodman. 2,468,944, May 3.
Shoe counters, Manufacturing. H. Garsait. 2,468,927, May 3.
Shuttle, Tatting. C. G. Cisneros. 2,469,291, May 3.
Signal: *See*—
Light signal.
Signaling system. L. H. Montgomery. 2,468,832, May 3.
Skating floor, Portable ice. H. Vetter. 2,469,021, May 3.
Ski binding. H. Hvam. 2,468,879, May 3.
Snap-action thermostatic switch. H. C. Sway. 2,469,217, May 3.
Snowplow. E. L. Wiedman. 2,468,950, May 3.
Sodium sulfate, Purifying. A. Bonnet and P. Costet. 2,468,803, May 3.
Sole, Shoe. W. J. Lutey. 2,468,886, May 3.
Space heater. H. L. Blackwelder. 2,469,140, May 3.
Spark plug. R. J. Lukeman. 2,469,304, May 3.
Spatula, Electrically heated dental. L. Fox and R. Resnick. 2,468,818, May 3.
Spheroidal gel particles, Making. J. A. Anderson and V. Voorhees. 2,468,857, May 3.
Spindle, High-speed grinding. C. W. Tydeman. 2,469,186, May 3.
Sponge-down apparatus. C. W. I. Thomas. 2,469,184, May 3.
Spring commutator. C. H. Sutherland. 2,468,844, May 3.
Spring construction, Vehicle. H. E. Nordquist. 2,468,835, May 3.
Stake and latch therefor, Pivotal. W. G. White. 2,469,023, May 3.
Stand: *See*—
Bicycle stand. Utility stand.
Stapling machine. W. Schafroth. 2,469,054-5, May 3.
Stereoscopic X-ray photographs, Making. L. P. C. J. Dudley. 2,468,963, May 3.
Still, Vapor compression type. A. Latham, Jr. 2,469,122, May 3.
Stove, Portable. B. W. Tullis. 2,469,185, May 3.
Structure for drawers, Guiding and supporting. C. B. Lundstrom. 2,468,960, May 3.
Structure for railway draft gears, Shock absorbing. G. R. Munro and W. C. Dilg. 2,469,126, May 3.
Styrene-linseed oil interpolymers, Modified. A. E. Young and H. M. Hoogsteen. 2,468,798, May 3.
Sulfur compounds, Manufacture of. W. A. Schulze and W. W. Crouch. 2,469,132, May 3.
Support: *See*—
Cushioning and vibration Metatarsal and outer longdamping support. gitudinal arch support.
Machine tool support.
Support and display, Card. E. L. Schwab. 2,469,210, May 3.
Support for last inserting machines, Last. J. W. Pratt. 2,468,895, May 3.
Support for steering columns, Vibration eliminating. L. R. Paun. 2,469,075, May 3.
Surcingle. W. E. Carroll. 2,468,811, May 3.
Surface conversion coatings on zinc, Method and compositions for producing. J. E. Stareck and L. M. Corliss. 2,469,015, May 3.
Suspension spring seat. L. Spunt and B. A. Gould. 2,469,216, May 3.

Switch: *See*—
Brake lever operated switch.
Electric switch.
Electrical switch.
Fire alarm switch.
Pressure operated switch.
Rotary switch.
Snap-action thermostatic switch.
Toggle actuated switch.
Welding electrode holder switch.

Switchboard system, Telephone. B. C. Groh. 2,468,749, May 3.
Switch device, Multiple limit. W. Mungall. 2,468,772, May 3.
Switch or like apparatus. E. F. Kohl. 2,469,336, May 3.
Synchronizing system for geared motors. E. C. Wahlberg. 2,469,140, May 3.
Table and desk for children, Combined. J. A. Alexander. 2,468,856, May 3.
Table top, Auxiliary. E. E. Czak. 2,468,962, May 3.
Tape holder. W. B. Smith. 2,469,247, May 3.
Tappet holding wrench. C. E. Johnson. 2,468,983, May 3.
Target, Ball. W. Barto. 2,469,061, May 3.
Target member, Wheel type. C. W. Howard. 2,468,979, May 3.
Tea and coffee service, Individual. P. O. Chaudron. 2,469,032, May 3.
Tetrachlorodifluoroethane, Making. J. D. Calfee and P. A. Florio. 2,469,290, May 3.
Thermocouple for coaxial conductors, Impedance matched. P. J. Ovrebo. 2,368,775, May 3.
Thermostat controlled means for maintaining dual temperature in motors. J. Z. Brubaker. 2,468,735, May 3.
Thiamine 2-ethylhexyl sulfate. W. Huber and W. R. Boehme. 2,468,930, May 3.
3-tetrahydrofuranone, Manufacture of. A. W. Johnson. 2,468,881, May 3.
Timer, Automatic. H. L. Abrahamse and J. E. Hewitt. 2,468,855, May 3.
Timer, Cycle. F. A. Pearson. 2,469,341, May 3.
Tire. W. J. Heyneman. 2,469,300, May 3.
Toggle actuated switch. N. H. Koertge. 2,469,119, May 3.
Tool: *See*—
Electrically heated gilding tool.
Torsion driven tool.
Self-sealing inner tube demonstration tool.
Tool with automatic feed device, Machine. A. Rickenmann. 2,469,077, May 3.
Torch, Fluid-cooled gas blanketed arc-welding. R. T. Breymeier. 2,468,804, May 3.
Torch, Fluid cooled gas blanketed arc-welding. H. T. Herbst. 2,468,805, May 3.
Torch, Water-cooled gas blanketed arc-welding. H. T. Herbst. 2,468,807, May 3.
Torch, Water-cooled gas blanketed arc-welding. F. J. Plita. 2,468,806, May 3.
Torsion driven tool. K. G. R. Hawkins. 2,468,874, May 3.
Toy airplane. E. W. Baggott. 2,469,144, May 3.
Toy gear. E. W. Fermer. 2,468,966, May 3.
Toy riding spur. C. E. Bowers. 2,468,915, May 3.
Tracing device. W. Begerow. 2,468,802, May 3.
Traction device. C. J. Lindenthaler. 2,469,235, May 3.
Trailer dolly. H. P. Brown. 2,469,152, May 3.
Transducer and switching system, Interchangeable magnetic. D. E. Ross and W. E. Stofer. 2,468,782, May 3.
Transducer having an irregular nonmagnetic gap, Magnetic. H. A. Howell. 2,469,269, May 3.
Transducer, Magnetostrictive. R. L. Peek, Jr. 2,468,837, May 3.
Transformer, Radio-frequency distribution. J. B. Gehman and A. H. Turner. 2,469,192, May 3.
Transmission, Hydraulic. A. Dunn and O. C. Elland. 2,466,964, May 3.
Transmission system. Negative feed-back. H. P. Thomas. 2,469,218, May 3.
Transmitter resistor device, Weatherproof. C. A. de Giera. 2,469,105, May 3.
Transmitting apparatus, Angular motion. A. P. Adamson. 2,469,190, May 3.
Transmitting apparatus for inductive carrier railway train communication systems. B. C. Van Glider. 2,469,138, May 3.
Trap for hydraulic shock absorbers, Sediment. E. F. Rossman. 2,469,276, May 3.
Tray, Ice cube. C. M. Follin. 2,469,067, May 3.
Tray type fuel oil burner. J. T. Stone. 2,469,135, May 3.
Treating fabrics and resulting product. F. H. Russell. 2,469,245, May 3.
Tree holder. C. A. Bonc. 2,469,192, May 3.
Tripod head, Pan-tilt. W. H. Bliss. 2,469,063, May 3.
Troweling machine. J. O. Huffman. 2,468,981, May 3.
Truck, Railway. D. S. Barrows. 2,469,323, May 3.
Truss. B. Chalk. 2,469,260, May 3.
Tube: *See*—
Electron tube.
Tube deflecting system, Cathode-ray. D. L. Plaistowe and R. P. Shipway. 2,469,051, May 3.
Tube for ionic valves for high-voltage static current converters, Anode. G. J. Persson. 2,468,836, May 3.
Tuning system, Loop-antenna. B. D. Loughlin. 2,469,168, May 3.
Unit for punch presses, Retainer-stripper. J. H. Parsons. 2,468,998, May 3.
Unitary chalk and eraser holder. P. R. Windhorst. 2,469,347, May 3.
Unloader, Compressor. W. P. Caine. 2,469,224, May 3.
Urea-formaldehyde composition, Thermosetting. D. E. Cordier. 2,469,157, May 3.
Utility stand. B. H. Kennedy. 2,469,232, May 3.
Valve: *See*—
Coolant relief valve.
Noncorrodible valve.
Vented cooker valve.
Valve device. J. S. Case. 2,468,960, May 3.
Valve for multicell inner tubes. L. E. Bonham. 2,468,954, May 3.
Valve-keeper remover and retriever, Electromagnetic. G. Steiptura. 2,469,056, May 3.
Valve mechanism for heat-exchange devices, Temperature-regulating. J. C. Shaw. 2,469,212, May 3.
Valve mechanism, Pressure responsive. A. H. Winkler. 2,469,038, May 3.
Variable capacity sliding vane pump. H. A. Wrenn. 2,469,067, May 3.
Variable delivery rotary pump. D. O. Brant. 2,468,734, May 3.
Vehicle: *See*—
Foldable vehicle.
Velocipede, Convertible. E. J. Jones. 2,468,933, May 3.
Vented cooker valve. P. C. Wilbur. 2,468,794, May 3.
Ventilator. W. C. Wilson. 2,469,096, May 3.
Vibrating device. J. A. Mas. 2,468,991, May 3.
Vibration indicator. E. C. Strong. 2,469,137, May 3.
Vibrator, Massage. L. H. Snyder. 2,468,949, May 3.
Vinyl acetate polymerization process. W. R. Cornthwaite and H. W. Bryant. 2,468,923, May 3.
Voltage regulation. D. E. Truckesss. 2,468,850, May 3.
Voltage regulator tube circuit. W. F. Scott. 2,469,280, May 3.
Warp tensioning device. N. S. Johnson and A. F. Sargent. 2,468,880, May 3.
Wave generating method and means, Electronic. R. M. Fraser. 2,469,227, May 3.
Wax-polyamide-pinene resin coating composition. K. W. Fries. 2,469,108, May 3.
Wax-polystyrene composition, Chlorinated. L. H. Dimpfl and W. E. Elwell. 2,469,107, May 3.
Web material, Abrasive. J. A. Williamson. 2,468,853, May 3.
Welded articles, Making composite. R. E. Duce. 2,468,816, May 3.
Welding electrode holder switch. S. M. Harvey. 2,468,873, May 3.
Wheel dressing mechanism, Grinding. S. P. Bruce. 2,468,921, May 3.
Wheel dressing mechanism, Pattern controlled grinding. F. A. Barnes. 2,469,255, May 3.
Wheel suspension, Independent front. G. D. Rowland and H. J. Morris. 2,469,244, May 3.
Windings and leads therefor, Electric. O. E. Andrus. 2,469,099, May 3.
Work stop for use with collets. L. R. Evans. 2,469,160, May 3.
Wrapper, Package. L. Peters. 2,469,204, May 3.
Wrench: *See*—
Internal expanding pipe wrench.
Tappet holding wrench.
Wrinkle composition containing synthetic rubber and conjugated double bonded oil, Uncooked. E. L. Lusces. 2,468,980, May 3.
X-ray tube cooling apparatus. W. J. Oosterkamp and A. W. Vingerhoets. 2,468,942, May 3.

CLASSIFICATION OF PATENTS

ISSUED MAY 3, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number

1— 49: 2,469,054
2,469,055
49.6: 2,469,233
2— 3: 2,469,146
51: 2,468,841
113: 2,469,246
174: 2,468,937
198: 2,469,250
219: 2,469,302
247: 2,468,915
253: 2,468,955
4— 67: 2,469,000
145: 2,469,184
5— 60: 2,468,765
91: 2,469,064
331: 2,469,175
8— 63: 2,468,940
139: 2,469,249
12— 10.6: 2,468,882
15: 2,468,895
66: 2,468,927
15— 119: 2,469,060
144: 2,469,050
398: 2,469,256
16— 23: 2,469,152
17— 11.1: 2,469,345
18— 5: 2,469,130
30: 2,469,342
35: 2,468,760
19— 65: 2,468,827
67: 2,469,161
20— 15: 2,469,232
56.4: 2,469,183
22— 116: 2,469,062
188: 2,468,956
204: 2,468,816
23— 121: 2,468,803
142: 2,469,088
206: 2,468,904
288: 2,469,329
24— 126: 2,469,257
28— 21: 2,468,834
35: 2,468,880
74: 2,469,245
29— 95.1: 2,468,745
196.3: 2,468,825
259: 2,468,970
30— 50: 2,469,010
226: 2,469,036
228: 2,469,182
6: 2,469,339
32— 59: 2,469,261
33— 1: 2,469,129
126.7: 2,469,305
174: 2,468,875
34— 66: 2,469,270
137: 2,468,871
240: 2,468,892
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36— 19.5: 2,468,863
28: 2,468,886
71: 2,468,887
76: 2,468,944
37— 42: 2,468,950
38— 79: 2,468,813
40— 119: 2,469,177
41— 7: 2,468,965
24: 2,468,731
43— 42: 2,468,988
43: 2,468,877
45— 77: 2,468,990
91: 2,469,239
46— 75: 2,469,144
126: 2,468,997
149: 2,469,058
47— 1.3: 2,468,972
58: 2,469,330
51— 8: 2,468,984
84: 2,469,095
95: 2,469,077
216: 2,469,094
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56— 26: 2,468,839
121.45: 2,468,994
123: 2,469,341
56—400.65: 2,469,012
57— 164: 2,468,771
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54: 2,469,085
61— 74: 2,468,971
62— 12: 2,469,021
102: 2,468,932
108.5: 2,469,067
119.5: 2,469,153
2,469,179
129: 2,469,259
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66— 9: 2,468,870
89: 2,468,728
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7.1: 2,469,248
27: 2,469,163
70— 295: 2,468,967
389: 2,469,016
458: 2,468,959
73— 100: 2,469,346
159: 2,469,013
210: 2,468,896
386: 2,468,906
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2,469,035
15.6: 2,469,181
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57: 2,469,277
230.5: 2,469,207
237: 2,468,898
242.11: 2,469,296
421: 2,468,929
449: 2,468,966
471: 2,469,189
720: 2,468,954
75— 41: 2,468,738
76— 82.1: 2,468,860
87: 2,469,258
77— 71: 2,468,874
80— 61: 2,469,169
81— 3: 2,468,983
2,469,056
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82— 5: 2,469,262
84— 230: 2,468,977
240: 2,469,308
307: 2,469,091
312: 2,468,726
85— 2.4: 2,469,349
28: 2,468,821
32: 2,469,311
2,469,312
87— 6: 2,469,178
29: 2,469,047
59: 2,469,291
88— 18.4: 2,468,993
20: 2,468,953
22.5: 2,469,115
24: 2,468,935
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98: 2,469,207
89— 14: 2,468,926
42: 2,469,333
149: 2,469,053
185: 2,468,784
90— 10: 2,469,310
13.05: 2,469,027
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54: 2,468,930
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95— 31: 2,469,008
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219: 2,468,776
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2,469,204
99— 261: 2,469,026
102— 37.1: 2,468,795
92.5: 2,468,820
103— 25: 2,468,791
46: 2,469,225
120: 2,468,734
2,469,097
105— 141: 2,469,042
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106— 33: 2,469,039
40: 2,469,081
53: 2,468,868
193: 2,468,920
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307: 2,468,978
115— 25: 2,468,889
42: 2,468,890
116— 67: 2,468,829
118: 2,468,833
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117— 41: 2,468,724
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120— 83: 2,469,049
121— 44: 2,468,943
122— 225: 2,469,253
123— 55: 2,468,976
56: 2,469,117
169: 2,469,211
2,469,304
178: 2,468,735
124— 47: 2,469,016
125— 11: 2,468,921
2,469,255
126— 1: 2,469,121
25: 2,468,778
127— 50: 2,469,090
128— 29: 2,468,741
41: 2,468,949
96: 2,469,260
143: 2,469,273
156: 2,469,064
290: 2,468,876
346: 2,468,823
129— 18: 2,469,166
132— 79: 2,469,267
84: 2,468,732
2,468,733
136— 4: 2,468,775
137— 21: 2,469,022
53: 2,468,960
138— 30: 2,469,171
64: 2,468,909
139— 33: 2,469,128
77: 2,469,200
124: 2,469,202
192: 2,468,800
232: 2,469,089
294: 2,468,908
146— 192: 2,469,205
150— 13: 2,468,897
28: 2,468,973
41: 2,468,817
152— 242: 2,469,235
339: 2,469,300
342: 2,468,954
410: 2,468,947
153— 29: 2,469,223
32: 2,469,151
154— 33.1: 2,468,797
155— 14: 2,469,243
179: 2,249,216
189: 2,468,742
158— 27.4: 2,468,824
28: 2,469,271
2,469,272
33: 2,469,185
42.1: 2,469,082
87: 2,469,130
91: 2,469,135
118: 2,469,074
160— 81: 2,469,020
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161— 1: 2,468,781
2,469,341
164— 42: 2,469,299
110: 2,468,998
166— 16: 2,468,992
167— 22: 2,469,340
24: 2,469,317
30: 2,469,228
2,469,303
170— 177: 2,469,116
171— 95: 2,469,265
119: 2,469,137
209: 2,469,133
2,469,196
252: 2,469,029
2,469,099
321: 2,468,844
327: 2,468,761
172— 36: 2,469,104
126: 2,468,996
173— 328: 2,468,785
2,468,846
174— 21: 2,468,783
35: 2,468,737
42: 2,469,167
45: 2,468,907
99: 2,469,073
175— 21: 2,469,100
183: 2,468,968
294: 2,468,851
320: 2,468,855
335: 2,468,816
2,468,917
356: 2,468,786
359: 2,469,162
366: 2,468,845
177— 311: 2,468,740
2,468,768
2,468,945
386: 2,468,837
178— 44: 2,469,155
2,469,188
179— 1: 2,468,911
5: 2,469,278
15: 2,469,066
67: 2,468,749
100.2: 2,468,782
2,469,266
180— 28: 2,468,801
66: 2,468,828
69: 2,468,809
115: 2,469,032
181— 0.6: 2,469,282
25: 2,469,254
183— 4: 2,469,328
7: 2,469,231
94: 2,468,958
188— 100: 2,468,939
2,469,276
190: 2,469,323
223.6: 2,469,083
250: 2,469,127
189— 92: 2,468,729
192— 143: 2,469,269
150: 2,469,170
193— 35: Re.23,107
196— 8: 2,468,750
52: 2,469,325
2,469,332
200— 6: 2,468,974
59: 2,469,120
68: 2,469,336
2,469,337
83: 2,469,119
2,469,124
90: 2,468,991
111: 2,468,852
116: 2,468,774
118: 2,469,215
138: 2,469,217
142: 2,469,024
146: 2,469,203
167: 2,468,873
166: 2,468,888
167: 2,469,274
201— 56: 2,469,105
63: 2,469,257
67: 2,468,793
202— 185: 2,468,872
204— 56: 2,469,015
58: 2,469,237
128: 2,468,766
163: 2,469,290
206— 46: 2,469,156
47: 2,469,025
209— 81: 2,468,843
210— 2: 2,468,855
5: 2,468,864
55: 2,469,197
62: 2,469,293
122.5: 2,468,866
144: 2,468,836
169: 2,468,862
211— 100: 2,469,208
105.2: 2,469,098
118: 2,468,891
140: 2,469,232
171: 2,469,298
213— 19: 2,469,118
46: 2,469,126
214— 1: 2,468,884
1.1: 2,469,148
17: 2,468,794
65.2: 2,468,999
77: 2,469,321
83.32: 2,469,033
140: 2,469,007
2,469,187
215— 13: Re.22,106
38: 2,468,780
216— 46: 2,468,922
219— 10: 2,468,808
13: 2,468,796
16: 2,468,804
220— 38.5: 2,468,758
39: 2,468,757
222— 5: 2,469,307
58: 2,469,290
115: 2,469,032
223— 52.1: 2,469,226
74: 2,469,306
226— 86: 2,469,191
228— 48: 2,469,071
229— 33: 2,469,343
34: 2,468,951
82: 2,469,251
230— 24: 2,469,224
69: 2,469,006
122: Re.23,108
130: 2,469,214
134: 2,469,125
139: 2,468,948
206: 2,469,086
235— 61: 2,469,011
64.3: 2,468,812
70: 2,469,221
236— 1: 2,468,830
21: 2,469,057
34: 2,469,212
92: 2,469,038
2,469,195
240— 2: 2,469,072
10: 2,468,773
106.1: 2,469,080
242— 55.5: 2,469,247
70: 2,468,787
75: 2,469,004
96: 2,469,103
244— 7: 2,468,913
18: 2,468,883
102: 2,469,106
103: 2,468,790
246— 8: 2,469,102
2,469,138
169: 2,469,001
304: 2,469,184
248— 5: 2,468,900
10: 2,468,901
248— 28: 2,469,210
46: 2,469,192
47: 2,469,286
183: 2,469,063
226: 2,469,079
346: 2,468,993
250— 16: 2,468,727
20: 2,469,222
27: 2,468,754
2,469,031
2,469,227
2,469,281
27.6: 2,468,736
2,468,836
2,469,331
33: 2,469,209
33.67: 2,469,168
36: 2,469,174
2,469,264
2,469,289
2,469,324
60: 2,468,963
83.3: 2,469,206
143: 2,468,942
161: 2,469,165
251— 158: 2,468,109
252— 8.5: 2,468,792
35: 2,469,008
2,469,041
61: 2,468,735
78: 2,469,285
153: 2,469,284
307: 2,469,045
448: 2,468,857
455: 2,469,314
253— 36: 2,468,787
254— 126: 2,469,048
255— 61: 2,468,905
257— 2: 2,468,909
2,469,315
2,469,316
3: 2,469,142
6: 2,468,826
139: 2,469,028
197: 2,468,840
222: 2,468,903
259— 28: 2,469,327
72: 2,469,229
260— 3.3: 2,469,141
15: 2,469,348
17: 2,469,318
2,469,319
17.3: 2,469,157
23: 2,468,748
2,468,770
23.6: 2,468,747
2,468,798
23.7: 2,468,989
26.5: 2,469,107
2,469,108
29.1: 2,468,975
2,469,320
33.2: 2,468,779
46.5: 2,469,154
66: 2,469,295
73: 2,469,288
79.5: 2,469,132
79.7: 2,469,326
82: 2,468,822
84.3: 2,469,017
89.1: 2,468,923
112: 2,469,193
120: 2,468,730
251: 2,468,930
306.5: 2,468,952
319: 2,468,912
342.4: 2,468,769
344: 2,469,110
345: 2,468,881
397.2: 2,468,859
406: 2,469,039
409: 2,468,799
412.4: 2,469,147
423: 2,468,753
429: 2,468,916
448.2: 2,468,869

260— 451: 2,469,322
473: 2,469,173
481: 2,468,725
554: 2,469,338
602: 2,468,762
609: 2,468,739
615: 2,468,861
619: 2,468,982
651: 2,469,334
669: 2,468,759
671: 2,469,335
682: 2,468,764
683.4: 2,468,756
2,468,899
2,469,344
683.5: 2,468,745
2,468,831
810: 2,469,101

261— 18: 2,468,941
122: 2,468,934
263— 33: 2,469,078
265— 23: 2,468,936
2,469,112
267— 52: 2,468,934
55: 2,469,158
64: 2,468,275
271— 41: 2,468,942
272— 36: 2,468,903
52: 2,469,263
59: 2,469,145
273— 35: 2,469,002
2,469,301
52: 2,469,219
63: 2,469,258
102.1: 2,469,061
127: 2,468,979

273— 127: 2,469,236
279— 4: 2,469,198
48: 2,468,946
49: 2,469,014
51: 2,469,160
280— 7.15: 2,468,933
11.35: 2,468,879
33.08: 2,469,279
36: 2,469,242
40: 2,468,914
81: 2,469,087
87.04: 2,468,910
124: 2,469,244
145: 2,469,023
2,469,093
204: 2,468,804
297: 2,468,763
285— 6.5: 2,468,864

285— 30: 2,468,924
90: 2,468,885
122: 2,469,111
170: 2,468,849
174: 2,468,847
2,468,948
286— 11: 2,469,065
2,469,114
20: 2,468,752
287— 20: 2,468,985
289— 17: 2,469,037
292— 37: 2,468,159
138: 2,468,969
201: 2,469,283
237: 2,468,936
252: 2,469,201
332: 2,469,113
295— 14: 2,468,931

296— 16: 2,468,925
37: 2,469,068
44: 2,469,131
19: 2,468,199
298— 9: 2,468,957
305— 122: 2,469,186
308— 43: 2,468,980
309— 8: 2,468,856
311— 106: 2,468,962
312— 39: 2,469,052
67: 2,468,819
174: 2,469,143
315— 5: 2,469,240
6: 2,468,928
27: 2,469,051
38: 2,469,180
335: 2,468,788
318— 24: 2,469,190

318— 28: 2,469,005
85: 2,469,139
2,469,140
101: 2,468,772
233: 2,469,294
325: 2,469,043
447: 2,468,743
320— 33: 2,469,092
321— 18: 2,469,176
68: 2,468,878
323— 17: 2,469,280
22: 2,468,850
332— 18: 2,469,216
19: 2,468,832
28: 2,469,194
343— 7: 2,468,751
346— 33: 2,469,213

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,468,724:	117—41	2,468,838:	210—144	2,468,959:	70—458	2,469,035:	74—1	2,469,150:	106—227
2,468,747:	260—23.5	2,468,846:	173—328	2,468,963:	250—60	2,469,050:	15—144	2,469,152:	16—23
2,468,754:	250—27	2,468,852:	200—111	2,468,967:	70—295	2,469,061:	106—40	2,469,155:	178—44
2,468,763:	280—297	2,468,853:	92—40	2,468,969:	292—138	2,469,080:	139—292	2,469,159:	292—37
2,468,767:	242—70	2,468,875:	321—68	2,468,980:	309—43	2,469,090:	127—50	2,469,165:	250—161
2,468,772:	318—101	2,468,883:	244—15	2,468,983:	81—3	2,469,094:	51—216	2,469,188:	250—33.67
2,468,784:	89—185	2,468,886:	36—28	2,468,985:	287—20	2,469,108:	260—23.5	2,469,176:	321—18
2,468,788:	315—335	2,468,891:	211—118	2,468,991:	200—90	2,469,115:	88—22.5	2,469,180:	315—38
2,468,794:	214—17	2,468,898:	74—237	2,468,994:	56—121.45	2,469,129:	33—1	2,469,188:	178—44
2,468,798:	260—23.5	2,468,920:	106—193	2,469,001:	246—169	2,469,132:	260—79.5	2,469,189:	74—471
2,468,800:	139—192	2,468,922:	216—46	2,469,003:	252—35	2,469,136:	158—87	2,469,210:	248—28
2,468,802:	116—124	2,468,923:	260—89.1	2,469,014:	279—49	2,469,139:	318—85	2,469,232:	211—149
2,468,827:	19—65	2,468,934:	261—122	2,469,020:	160—81	2,469,141:	260—3.3	2,469,238:	60—41
2,468,832:	332—19	2,468,954:	152—342	2,469,022:	137—21	2,469,148:	214—1.1	2,469,241:	56—123

2,469,258:	76—87
2,469,273:	128—143
2,469,282:	181—0.5
2,469,296:	74—242.11
2,469,302:	2—219
2,469,307:	222—5
2,469,309:	117—121
2,469,319:	260—17
2,469,326:	260—79.7
2,469,327:	259—28
2,469,333:	89—42
2,469,343:	229—33
2,469,348:	260—15

Classification of Designs

D 1—12: Des. 153,604
D 3—13: Des. 153,623
26: Des. 153,649
D 7— 7: Des. 153,613
D13— 1: Des. 153,648
D14— 3: Des. 153,638
Des. 153,654
6: Des. 153,593
D15— 1: Des. 153,584
D17— 6: Des. 153,644
D21— 6: Des. 153,622
D24— 1: Des. 153,609
D25— 1: Des. 153,621
D26— 5: Des. 153,595

D26—14: Des. 153,576
Des. 153,577
D29— 1: Des. 153,642
D31— 4: Des. 153,587
D34—15: Des. 153,575
Des. 153,614
Des. 153,647
D40— 1: Des. 153,608
D42— 7: Des. 153,611
Des. 153,619
D45— 9: Des. 153,610
Des. 153,628
15: Des. 153,601
19: Des. 153,624

D45—19: Des. 153,625
Des. 153,626
Des. 153,627
Des. 153,629
Des. 153,630
D47— 2: Des. 153,641
D48— 2: Des. 153,650
20: Des. 153,585
Des. 153,599
Des. 153,603
23: Des. 153,597
Des. 153,598
27: Des. 153,631
Des. 153,632

D48—27: Des. 153,633
Des. 153,634
Des. 153,635
D52— 1: Des. 153,639
Des. 153,651
7: Des. 153,637
D54— 2: Des. 153,588
12: Des. 153,615
Des. 153,616
Des. 153,617
D55— 1: Des. 153,578
D56— 4: Des. 153,646
D57— 1: Des. 153,652
D58— 6: Des. 153,600

D58— 8: Des. 153,586
17: Des. 153,591
26: Des. 153,583
D61— 1: Des. 153,602
D66— 1: Des. 153,603
Des. 153,618
D68— 1: Des. 153,579
Des. 153,580
Des. 153,581
Des. 153,582
D71— 1: Des. 153,590
D74— 2: Des. 153,606
Des. 153,607
Des. 153,656

D74— 5: Des. 153,596
17: Des. 153,643
D80— 5: Des. 153,636
D81—19: Des. 153,655
26: Des. 153,592
D85— 2: Des. 153,640
D86—10: Des. 153,589
D87— 2: Des. 153,594
D89— 1: Des. 153,645
D91— 1: Des. 153,612
D92— 1: Des. 153,620
Des. 153,653

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Contents

	Page
Issue of May 10, 1949	306
Patents Expiring	306
Applications Under Examination	307
Decisions of the U. S. Courts	
In re Scott et al.	309
In re Udy	310
Nystrom et al. v. Janeway	311
Patent Suits	315
Notices	
Foreign Patents Received in the Scientific Library as of April 15, 1948.	316
Disclaimers	316
Adjudicated Patents	316
Register of Patents Available for Licensing or Sale	317
Trade-Marks	
Published (274 Applications)	321
Registrations Granted	354
Registrations Renewed	367
Registrations Canceled	370
Registrations Amended, Surrendered, Disclaimed, Corrected, etc.	371
Registrations—New Certificates	371
Registrations Republished (324 Registrations)	372
Reissues	413
Plant Patents	414
Patents Granted	415
Designs	599

May 10, 1949

Trade-Marks	53—No.	442,643 to No.	442,695, inclusive
T. M. (Act of 1946)	278—No.	509,534 to No.	509,811, inclusive
T. M. Renewals	75		
Reissues	5—No.	23,109 to No.	23,113, inclusive
Plant Patent	1—No.	835	
Patents	733—No.	2,469,350 to No.	2,470,082, inclusive
Designs	88—No.	153,657 to No.	153,744, inclusive
Total	1,233		

Patents expiring: Patent Numbers 1,857,123 to 1,858,232, inclusive, and Plant Patent Number 16, issued May 10, 1932, expire May 10, 1949

Condition of Applications Under Examination at Close of Business April 22, 1949

Total number of patent applications awaiting action, 148,327. Date of oldest new application, May 27, 1947; date of oldest amended application, Sept. 28, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	2-27-48	7-28-47	2900
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying Presses; Tobacco; Textile Wringers	9-16-47	4-22-47	2797
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	9-7-48	9-3-48	994
4. BISHOP, WALTER O., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Mining, Quarrying, and Ice Harvesting.	10-24-47	6-28-47	3242
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	3-18-48	7-25-47	1476
6. SURLE, H., Carbon Chemistry (part)	4-26-48	4-12-48	1684
7. HANLIN, GEORGE, Optics; Photographic Apparatus	8-2-48	5-4-48	1528
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	7-21-47	5-2-47	4590
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	1-7-48	6-14-47	2201
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	6-17-48	6-4-48	1631
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	4-17-48	8-6-47	1948
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	7-9-48	6-12-47	1925
13. BEALL, T. E., Gear Cutting, Milling; Planing, Metal Working (part); Needle and Pin Making; Turning	6-26-47	8-18-47	2170
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	7-7-48	4-12-48	1281
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	7-10-48	11-6-47	1702
16. LOVEWELL, N. N., Television; Telephony	7-26-48	12-19-47	1606
17. LEIGHEY, R. A., (Acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	11-3-47	1-4-47	2248
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	4-3-48	7-30-47	2389
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	6-30-48	9-2-47	1701
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	1-26-48	8-26-47	1997
21. MADER, R. C., Textiles	2-20-48	2-2-48	1360
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	5-27-48	6-6-47	1555
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-23-48	6-20-47	1134
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	4-6-48	4-7-48	2352
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	7-22-48	12-3-47	1644
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	8-10-48	1-30-46	1094
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	11-12-47	5-8-47	3252
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horse-power Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	10-2-47	5-20-47	1775
29. HABECKER, LEONE B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	8-9-48	8-14-48	3213
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	8-13-48	8-19-48	733
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	8-21-48	8-21-48	1967
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	9-22-47	7-24-47	1906
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements.	8-6-47	7-30-47	3668
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	4-29-48	1-2-48	1284
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	11-25-47	2-26-47	3385
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	6-17-47	6-5-47	2017
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	7-30-48	1-7-48	1834
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	4-29-48	4-2-48	1698
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	6-25-48	4-14-47	3037
40. DRUMMOND, E. J., Receptacles (part); Packages	6-7-48	7-8-47	3159
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	6-4-48	8-19-47	2306
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	9-9-48	8-24-48	992
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	7-20-48	5-8-48	1140
44. HARVEY, L. P., Refrigeration	11-26-47	4-23-47	975
45. MANTER, W. B., Shafting and Flexible Shaft Coupling; Wheels; Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	3-24-48	8-2-47	2474
46. MUSHAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	2-26-47	6-16-47	1832

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 148,327. Date of oldest new application, May 27, 1947; date of oldest amended application, Sept. 28, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	7-27-48	2-16-48	2082
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	7-26-48	10-21-47	1482
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	10-21-47	9-25-47	2350
50. LEVIN, SAMUEL, Synthetic Resins	8-23-48	5-28-48	1866
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	7-26-48	5-14-48	1433
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	3-12-48	7-3-47	3630
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	2-25-48	2-7-47	2256
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	7-29-48	9-12-47	1440
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	7-23-48	1-22-48	1730
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	4-30-48	4-23-48	1960
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	1-22-48	5-3-47	3408
58. DOWELL, E. F., Abrading Processes and Apparatus, Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	6-25-47	9-8-47	1734
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	5-1-48	10-2-47	1549
60. GLASS, R. L., Electricity—Heating, Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	7-19-48	4-22-48	1100
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	5-27 47	12-19-46	3682
62. LOWE, D. B., (Acting), Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors.	7-3-48	2-28-45	1511
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	4-17-48	12-17-47	2066
64. NASH, P. M., Compositions—Coating of Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	9-25-48	9-24-48	1757
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	7-31-48	2-24-48	2289
66. LISANN, I., Geometrical Instruments	6-25-48	9-26-45	1962
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	7-23-48	11-3-47	1877
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	9-9-48	5-28-48	1460
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifier.), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	1-2-48	8-7-47	2171
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	4-13-48	1-21-48	1022
DESIGNS: BREHM, G. L.	7-29-47	10-26-48	6867

Total number of trade-mark applications awaiting action (including renewals and republications), 31,808. Date of oldest new application, Feb. 1, 1948; date of oldest amended application, Apr. 26, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION		Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
		New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50		3-16-48	9-13-48	4174
2. KASCHUB, H. E., Classes 2, 35, 46		2-1-48	8-12-48	5188
3. SUMMERS, O. S., Classes 21, 23, 26		3-1-48	10-6-48	4497
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43		2-3-48	8-28-48	4201
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49		3-8-48	8-1-48	3755
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35		3-20-48	7-24-48	3822
7. KEYS, O. M., Classes 16, 19, 55		2-7-48	4-26-48	2060
8. GEDIMAN, H. W.,	Renewals	3-1-49	3-18-49	136
	Republications	7-20-48	3-5-49	3975
	All Classes			

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE SCOTT ET AL.

No. 5551. Decided February 1, 1949

[— F.2d —; 80 USPQ 523]

1. PATENTABILITY—PARTICULAR SUBJECT MATTER—METHOD OF TREATING VEGETABLES.
Certain claims for a process of canning vegetables which set forth the use of purified wash water in the canning of vegetables washed with it *Held* to represent a patentable improvement over the prior art.

2. SAME—SAME—SAME.
Certain claims drawn broadly to the use of purified vegetable wash water in the canning of vegetables, which claims fail to define appellants' invention in such a way as to bring out one of its principal advantages, *Held* that these claims do not sufficiently distinguish from the prior art to justify their allowance.

APPEAL from the Patent Office. Serial No. 475,984.

MODIFIED.

Semmes, Keegin, Beale & Semmes (*Harry H. Semmes, Lee M. Robinson* and *Curtis M. Clark* of counsel) for Scott et al.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims in appellants' application for a patent for an alleged invention relating to a method of treating vegetables.

Claims 1 and 11 are typical of the appealed claims. They read:

1. In the canning of vegetables the steps of washing vegetables, removing suspended impurities from the wash water, and introducing the purified water into cans with washed vegetables.

11. In the canning of vegetables the steps of washing the vegetables to remove surface impurities under conditions capable of removing a portion of the vitamin and mineral constituents from the vegetables into the wash water, passing the wash water through a filtering medium in the presence of a non-absorbing filter aid to remove the impurities therefrom while retaining the vitamin and mineral content of the water, and then introducing the so filtered wash water into cans with the washed vegetables.

The references relied on are: "Canning and Preserving of Food Products," by Duckwall, pages 353 and 354, vol. 1, 1905; Hanson, 1,756,549, April 29, 1930.

Appellants' alleged invention relates to the recovery of food values which are normally lost in the washing of vegetables prior to canning and consists in purifying the water used in such washing, by filtration or otherwise, and then introducing it into the cans with the washed vegetables.

The references disclose the purification, by filtering or otherwise, of the brine or other liquor which is to be used in canning vegetables.

It is conceded by counsel for appellants that the presence of food values in water which has been used for "blanching" vegetables was known but that "• • • the industry has always used artificially prepared brines for canning vegetables, the brines being fortified with vitamins, flavor components and other additives to replace in some degree the food values lost in the blanching process."

It may be said that it does not appear from the references that anyone has previously attempted to recover the food values contained in the washing water.

[1] It is stated in appellants' application that the washing water, after purification, has a pleasing flavor similar to that of the vegetables washed by it and that the use of such water in canning the vegetables gives them a stronger and better flavor than vegetables canned either with fresh water or ordinary canning brine. The process also results in the saving of food values which would otherwise be lost, and eliminates the problem of disposing of the washing water which, if merely discharged as waste, has a strong and unpleasant odor. In view of those advantages, we are of opinion that the use of purified washing water in the canning of the vegetables washed with it, or other vegetables of the same kind, represents a patentable improvement over the prior art relied on by the Patent Office tribunals and that, therefore, on the record presented, appealed claims 2, 3, 4, 5, 9, 10, 11, and 12 should be allowed.

[2] Appealed claims 1, 6, 7, and 8 are drawn broadly to the use of purified vegetable wash water in the canning of vegetables. Those claims are broad enough to cover the use of water which has been used in washing vegetables of one kind, in the canning of vegetables of an entirely different kind. Such a procedure would not ordinarily result in an improvement in flavor. Claims 1, 6, 7, and 8, therefore, fail to define appellants' invention in such a way as to bring out one of its principal advantages. We are of opinion, therefore, that those claims do not sufficiently distinguish from the prior art to justify their allowance.

For the reasons stated, the decision of the Board of Appeals is modified, being affirmed as to claims 1, 6, 7, and 8, and reversed as to claims 2, 3, 4, 5, 9, 10, 11, and 12.

MODIFIED.

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U. S. Court of Customs and Patent Appeals

IN RE UDY

No. 5515. Decided March 1, 1949

[— F.2d —; 81 USPQ 104]

1. PATENTABILITY—COMBINING REFERENCES—ANALOGOUS ART.

Where appellant contends that the disclosure of one of the references and the instant application relate to non-analogous arts and therefore, the Board erred in combining the disclosures of the cited references in rejecting the appealed claims, *Held* that the rule is well established that in considering more than one reference, or a reference alleged not to be in the art involved, the question always is, does such art suggest doing the thing which the applicant has done?

2. SAME—COMPOSITION—CONSISTING ESSENTIALLY.

Where appellant contends that the limitation contained in all the claims as to the reaction mixture "consisting essentially" of three materials, distinguishes the claims from the disclosure of the reference patent, *Held* that there is no merit in that position in view of the fact that appellant's specification expressly provides that the composition "may" consist essentially of the three materials, and that those three materials are used exclusively in the disclosure of the reference patent.

3. SAME—PARTICULAR SUBJECT MATTER—EXOTHERMIC REACTION MIXTURE.

Certain claims for an exothermic reaction mixture and method of producing sound castings using such mixture *Held* properly rejected on the prior art.

APPEAL from the Patent Office. Serial No. 450,284.

AFFIRMED.

Clarence M. Fisher (*Pennie, Edmonds, Morton & Barrows* of counsel) for Udy.

W. W. Cochran (*Clarence W. Moore* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting all the claims in appellant's application for a patent for alleged "improvements in metallurgy." Of such claims, 5 to 8, inclusive, are directed to an exothermic reaction mixture, and the remainder of the claims, 13 to 16, inclusive, are directed to a "method of producing sound metal castings."

The claims were rejected as unpatentable over the following cited prior art: Udy, 2,243,784, May 27, 1941; Francis et al., 2,294,169, August 25, 1942.

Claims 5 and 13 are considered sufficiently illustrative. They read:

5. An exothermic reaction mixture for use in providing slag layers on the surfaces of molten metals in casting molds and ingot molds to inhibit or reduce piping, consisting essentially of iron oxide, sodium nitrate and non-carbonaceous reducing material, the reducing material being present in the reaction mixture in amount sufficient to react with all of the sodium nitrate and to reduce a portion only of the iron of the iron oxide and the components of the reaction mixture being present in such quantities and being so proportioned as to be capable upon ignition of the reaction mixture of reacting exothermically to produce molten iron oxide-bearing slag.

13. The method of producing sound metal castings which comprises pouring molten metal into a suitable mold, contacting with an upper surface of molten metal within the mold an exothermic reaction mixture consisting essentially of iron oxide, sodium nitrate and non-carbonaceous reducing material, and thereby forming molten slag in contact with the molten metal, and maintaining the metal and slag in contact until the metal has solidified, the reducing material being present in the reaction mixture in amount sufficient to react with all of the sodium nitrate and to reduce a portion only of the iron of the iron oxide and the components of the reaction mixture being present in such quantities and being so proportioned as to be capable upon ignition of the reaction mixture of reacting exothermically to produce molten iron oxide-bearing slag.

Claims 6, 7, and 8 contain the same limitations as claim 5, with the respective exceptions that claim 6 defines the non-carbonaceous reducing material as comprising silicon; claim 7, as comprising aluminum; and claim 8, as ferrosilicon. Claims 14, 15, and 16, as correctly pointed out in appellant's brief, differ from claim 13 in the same manner, respectively, that claims 6, 7, and 8 differ from claim 5.

The subject matter of the claims relates to a composition and to a method for reducing piping during solidification of metal in a mold, such as iron and steel. A "pipe" is described in appellant's specification as a cavity formed in the interior of the metal during the process of casting which makes the portion of the casting containing the pipe defective and requiring that it be discarded at some time subsequent to casting. To inhibit or reduce piping, an exothermic reaction mixture is used by appellant in providing a slag which forms an insulating layer on the surface of the molten metal in the mold to prevent a too-rapid cooling of the metal as it solidifies.

The patent to Udy, which is appellant's own prior patent, relates to metallurgy and provides for metallurgical methods and materials. The patent discloses that an important object of the invention is to provide a method of altering the compositions of metal products containing iron; to provide exothermic mixtures suitable for use in the production of metallic iron; and to provide a method of producing metallic iron products suitable for use in the production of high-strength castings from metal.

In the production of the castings, the patentee Udy employs the principle of dilution of relatively impure metallic iron products with relatively pure metallic iron. The disclosure further contemplates the provision of methods and materials for increasing the temperatures of molten metal baths and for melting metals. In that connection, the following pertinent statements relative to the use of exothermic mixtures are set forth in the specification of the patent:

Reaction mixtures for incorporating iron or iron and silicon in molten metal baths may comprise silicon-containing material such as ferrosilicon, oxidizing material such as sodium nitrate or sodium chlorate, particles of metallic iron and lime, or iron oxide, or lime and iron oxide or calcium ferrite (calcium oxide chemically combined with ferric oxide). * * *

Where molten iron only is incorporated into the reaction mixture, the specification of the patent provides:

the silicon may be employed in a more limited amount such that only a portion of any iron oxide present will be reduced and the unreduced iron oxide will function to increase the fluidity of any slag produced.

In producing an exothermic mixture in accordance with the invention, I may employ one part by weight of silicon for oxidation to not less than about twenty (20) parts by weight of metal to be melted. * * *

The patent to Francis et al. relates to the manufacture of iron and steel castings, and accomplishes the same object which appellant in the present case had in view. The method of manufacture disclosed in the patent, however, shows the use of an exothermic mixture in forming the slag for the surface of the metal which differs from the exothermic mixture defined in the appealed claims. According to the disclosure of the patent, as soon as the metal has been cast in the usual manner to fill the hot sinkhead on the mold, the surface of the metal is covered immediately with a layer of thermite mixture containing aluminum powder, iron oxide and fluorspar.

The Examiner rejected claims 5 to 8, inclusive, on the ground that the precise composition defined in such claims is disclosed in the patent to Udy. They were further rejected by the Examiner, together with claims 13 to 16, inclusive, as being unpatentable over the disclosure of Francis et al. in view of Udy. Claims 13 to 16, inclusive, were further rejected by the Examiner as being unpatentable over Francis et al. in view of Udy. The Examiner summarized his grounds of rejection as follows:

1. Udy discloses the composition claimed by applicant and recites that a portion only of the iron oxide may be reduced to increase the fluidity of the slag.
2. Francis discloses an anti-piping process using an exothermic reaction slag producing mix and no invention would be involved in substituting the mix of Udy for the mix of Francis et al.
3. No invention is seen to reside in decreasing the reducing agent of Francis et al. so that a portion only of the iron oxide is reduced, especially since Udy teaches that this is a common expedient if a more fluid slag is desired.

The Board of Appeals agreed with the grounds of rejection stated by the Examiner and explained its reason for so doing. A petition for reconsideration was considered by the Board, and denied by it with respect to making any change in its original decision.

[1] Appellant contends that the disclosure of the patent to Udy and the instant application relate to non-analogous arts and, therefore, the disclosure of the patent to Udy is not a valid reference; that the respective compositions set forth in appellant's patent and in the instant application are different in essential aspects and are specifically compounded to perform different functions; and that the Board erred in combining the disclosures of the cited references in rejecting the appealed claims.

Appellant concedes in his brief that the patent to Francis et al. relates to analogous art, and the rule is well established that "In considering more than one reference, or a reference alleged not to be in the art involved, the question always is: does such art suggest doing the thing which the applicant has done?". *In re Fridolph*, 30 CCPA (Patents) 939, 942, 134 F.2d 414, 57 USPQ 122, 552 O. G. 561. It is our opinion that the cited references in the case at bar clearly suggest doing the thing that appellant has done.

The patent to Udy, as the Board correctly observed, "teaches the exclusive use of ferrosilicon, sodium nitrate and iron oxide as the composition, with the further proviso * * * that only a portion of the iron oxide is to be reduced," and that it was only a matter of choice to add other fluxing materials to the mix. The use of exothermic mixtures to incorporate iron or iron and silicon into molten metal, as hereinbefore set forth from the disclosure of the patent to Udy, include the three essential ingredients of the composition respectively defined by the claims on appeal.

As the Board noted, appellant's instant application is broadly expressed. It does recite the exact proportions of the components of the illustrative exothermic reaction mixture in the single example set forth in the application, but there is no expression therein that such proportions are critical, nor are those proportions referred to in any of the appealed claims.

Furthermore, as the patent to Udy discloses the same composition that is employed by appellant in his present application, and the patent to Francis et al. shows the same steps of the method of manufacturing castings from metal that is employed in the present application by appellant, there was no error in the decisions of the tribunals of the Patent Office in holding, for the reasons stated by them, that the claims were unpatentable over the disclosures of those two patents.

Appellant emphasizes the point that the references do not specify the function performed by the presence of the iron oxide in the molten slag. The Examiner presumed that the presence of the iron oxide was to increase the fluidity of the slag, and correctly pointed out that appellant "has not once mentioned the function of the presence of iron oxide either in the specification or amendments."

[2] Appellant raises the further point that the limitation contained in all the claims as to the exothermic reaction mixture "consisting essentially of iron oxide, sodium nitrate and non-carbonaceous reducing material," distinguishes the claims from the disclosure of the patent to Udy. There appears to be no merit in that position in view of the fact that appellant's specification expressly provides that the composition "may" consist essentially of the three materials, and that those three materials are used exclusively in the disclosure of the patent to Udy.

[3] Appellant's arguments have all been carefully considered but we are not convinced that the Board erred in its conclusion based upon the applicability of the prior art cited. In view of this conclusion, it is deemed unnecessary to discuss additional points which have been presented by counsel and the decision of the Board of Appeals is accordingly affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

NYSTROM ET AL. *v.* JANEWAY

No. 5540. Decided March 1, 1949

[— F.2d —; — USPQ —]

1. WORDS AND PHRASES—"SUBSTANTIAL MOVEMENT."

Where there is nothing in the record defining "substantial movement," *Held*, such expression of itself does not exclude all transverse movement.

2. INTERFERENCE—PRIORITY—RAILWAY TRUCK.

Held that the decision of the Board of Interference Examiners awarding to appellee priority of invention of the subject matter defined in a single count relating to a railway truck, is affirmed.

APPEAL from the Patent Office. Interference No. 81,706.

AFFIRMED.

George Heidman and *Rodney Bedell* (*Joseph H. Milans* of counsel) for Nystrom et al.

Robert E. Harris (*Francis D. Thomas* and *Harry W. F. Glemser* of counsel, for Janeway.

JACKSON, *J.*:

This is an appeal in an interference proceeding from a decision of the Board of Interference Examiners of the United States Patent Office awarding to appellee priority of invention of the subject matter defined in a single count reading as follows:

> In a railway truck, an axle and wheel, a journal box carried thereby, an equaliser supported upon the journal box and extending longitudinally of the truck, the equaliser and journal box being movable together vertically of the truck and being held against relative movement longitudinally of the truck, a load carrying truck frame spring-supported on the equaliser and free of association with the journal box except through the equaliser, and *an elongated anchor rod extending transversely of the truck and connected at its end portions to the equalizer and to the load carrying frame to hold the equaliser and load carrying frame against substantial movement relative to each other transversely of the truck* but accommodating their movement relative to each other in a vertical direction. [Italics ours.]

The italicized part of the count is said by appellants to indicate specifically the novel and essential feature of the truck defined by the interference count.

The invention here involves a four wheel truck which is positioned beneath each end of a railway car. The truck comprises two widely spaced axles to each end of which a car wheel is affixed; journal boxes near the wheels designed to support the ends of beams which extend from axle to axle longitudinally and are known as "equalizers"; supported by the equalizers with springs thereon is a frame supporting a beam which extends across the middle of the truck, called a "bolster." The body of the car is positioned on the two bolsters near the opposite ends of the car. There does not seem to be any dispute that the italicized portion of the count was designed for a structure, in addition to the elements of the truck above set out, to prevent substantial movement from side to side of parts of the truck, while the railroad car to which it has been affixed is in motion.

The interference involves a patent of appellants, Serial No. 2,350,567, dated June 6, 1944, on an application, Serial No. 410,354, filed September 11, 1941, relating to Railroad Car Trucks, and an application of appellee, Serial No. 496,998, filed August 2, 1943, relating to Railway Passenger Car Trucks. That application is a continuation-in-part of an application, Serial No. 425,273, filed January 1, 1942, relating to a Railway Vehicle Truck.

Both parties filed preliminary statements, and took testimony during the course of which many exhibits were received in evidence.

Appellants alleged in their preliminary statement that the first drawing of the device and first disclosure of the invention to others were made on or about November 1, 1940; reduction to practice on or about December 6, 1940, by inclusion of the truck in a railway car which operated successfully; first written description of the invention on or about January 20, 1941; and the exercise of reasonable diligence in adapting and perfecting the invention beginning on or about November 1, 1940.

The preliminary statement of appellee alleged that the first drawings of the invention, first written disclosure thereof, and disclosure of it to others were made on or about September 15, 1939; reduction to practice on or about October 31, 1939, by causing to be made a full-size device, which was successfully operated; and the exercise of reasonable diligence in adapting and perfecting the invention beginning about September 15, 1939.

The count, which is claim 3 of appellants' patent, was copied by appellee to provoke the interference. Appellee's right to make the claim was not questioned throughout the proceeding and is not directly questioned now.

The Board of Interference Examiners held that appellee had established a date of conception prior to November 1, 1940, which is the earliest date alleged in the preliminary statement of appellants. That holding was based upon an exhibit which is a blueprint made from a drawing dated July 8, 1940. The limitations of the count were applied by appellee to that exhibit and his testimony supported the count substantially, as disclosed in his application. The Board held that appellee had reduced the invention to practice as early as March 1941 by reason of evidence of successful road tests, wherein the device of appellee was incorporated in a railway car which was operated on the lines of the New York Central Railway from February 20 to March 27, 1941.

Appellants neither challenge the correctness of the dates which were awarded to appellee nor deny that tests were actually made by him on the dates shown in appellee's record. They contend that the tested truck of appellee does not correspond to the structure defined in the italicized portion of the count. The earliest date alleged by appellants for reduction to practice of their truck is not later than April 28, 1941.

It appears that appellants are connected with the Chicago, Milwaukee, St. Paul & Pacific Railroad, appellant Nystrom since 1922 and appellant Green since 1927. The former is the chief mechanical officer and the latter, who at one time was in the drafting department of the company, is assistant mechanical engineer. The railroad constructs and repairs in its own shops much of its rolling stock. Nystrom's duties related to the construction, maintenance, and proper operation of such stock, and he collaborated with Green in efforts to improve the riding qualities of railroad trucks.

Appellee is a research engineer employed by the Chrysler Corporation, having been in that capacity since 1931. At the time of the taking of his testimony, he was the head of the dynamics research department, engaged primarily in the development of railroad rolling stock.

It appears that both parties worked on the production of several trucks for railway cars. The first type of truck of appellee, testified to in the record, was identified by a code number, PA–2–M. That type was disclosed in a blueprint exhibit dated March 1939, and a photograph in evidence bearing a receiving date of October 13, 1939. Appellants did not contend that that type of truck supports the count, and the Board properly so held.

A second type of truck, which was never built, is identified by the code number, PA–3, and was illustrated in certain blueprints in evidence, the first of which, by stipulation, was accepted as made at least as early as the date stamped on the exhibit, December 28, 1939. It was also stipulated that a drawing from which the second blueprint was made was completed on January 16, 1940. In that type of truck four transverse straight elongated rods, comprising ball and flexible end connections, were provided to control relative movement between the equalizer at one end and the load support frame on the other.

A third truck, identified as PA–2–M2, was thereafter built. It comprised similar provisions to those shown in the exhibits concerning the PA–3 truck and similar straight elongated rods for the purpose of controlling relative transverse movement between equalizers and the load support frame. The blueprint in evidence, showing the structure of that truck, was stipulated to have been made from a drawing dated July 8, 1940.

In his oral testimony, appellee applied the terms of the count, which conformed to his specification, to the blueprint exhibit. The Board, in our opinion, properly held that appellee established a date of conception of the subject matter of the count prior to November 1, 1940, the earliest date available to appellants. It did not fix any definite date of conception to appellee but it appears to us that such date was at least as early as January 16, 1940, to which we referred in discussing truck type number PA–3.

The Board of Interference Examiners in its decision set out in detail the material evidence pertaining to the structure of the PA–2–M2 truck, but it is not necessary for us to repeat what was there said.

The truck, PA–2–M2, as hereinbefore mentioned, was subjected to road tests which were conducted from February 20 to March 27, 1941. The tests, which consisted in putting the truck in actual operation, were made on the New York Central Railroad between Albany and Utica. The car, to which the truck was affixed, had on its floor a glass panel through which the witnesses, highly skilled in the art, observed the operation of the truck and its component parts. The testimony of all of the witnesses and the test records in evidence show that in its operation, the truck was found to be very satisfactory with respect to limiting the relative movements of its parts and also to all of its lateral riding qualities; that no trouble with the lateral stabilizer had been experienced; and the truck was thoroughly inspected throughout the run and at the end thereof, and no mechanical defects were found in its construction.

Counsel for appellants argue vigorously concerning the meaning of "substantial movement" appearing in the count, but concede that, as far as this interference is concerned, the truck of appellee parallels that of appellants, except for the alleged relative lateral movement of the equalizers and load carrying frame. In the brief of appellants it is alleged that the device in the tested truck, the transverse elements of which were held by the Board to maintain the truck frame and equalizers against substantial relative movement transversely of the truck, do not meet the italicized portion of the quoted count in that the link connections allow a ⅜ inch to ½ inch lateral movement in opposite directions from a normal position, and that such connections, therefore, permit a possible total movement of 1¼ inches. Such movement is contended by appellants to be "substantial." Appellants, by this contention, appear to be indirectly questioning the right of appellee to make the count. This may not be done for the reason that they made no motion to dissolve the interference.

[1] We find nothing in the record defining "substantial movement." On the contrary, it is obvious that such expression of itself does not exclude all transverse movement. Some such movement would necessarily take place in the structure of appellants for their transverse anchor rod has at each end a rubber pre-compressed disc joint through which some lateral movement must take place with respect to vertical movement in the truck. While in a different setting, we think, what was said by this court in the case of *Robbins v. Wettlaufer*, 28 CCPA (Patents) 952, 81 F.2d 882, 28 USPQ 470, 468 O. G. 3, cited by the Board in its decision, has some application here. In that case we held that the term "substantially coincident with" or "close to" does not mean "coincident with" or "at."

The arrangment of the means holding the equalizer and the load carrying frame against substantial movement relative to each other transverse of the truck, differs in the trucks of the parties. Both such means, however, in our opinion, are, by their very nature, cushioning means. In other words, there must be some lateral movement, but its effect, as far as the car is concerned, is cushioned to provide for comfortable riding. As has been mentioned, the pre-compressed rubber washers at either end of appellant's anchor rod are the means said to obtain the desired result, whereas in the truck of appellee, there is a rubber connection in shear (reactive to torsion strain) at one end of his transverse link, and a ball on the other end which bring about an identical result.

When road conditions over which the truck passes produce lateral strain, the rubber means of appellee are put to a torque or twisted strain, while in the apparatus of appellants, the strain is opposed by

pre-compressed washers. That, however, in our opinion, does not render the truck structure of appellee different from the structure defined in the count.

It was contended below by counsel for appellants, and is contended here, that there is no visual proof of the existence of the transverse links in evidence. In dealing with that contention, the Board properly observed that the photographs in evidence were progress photographs showing "various stages of assembly" and that it was impossible to see the end of appellee's link at the point from which one photograph was taken. The Board, in view of the record, correctly stated that the transverse link of appellee's device corresponds to the limitation set out in italics in the quoted count and that it was present during the road tests. Since it is clear to us that a truck was constructed by appellee in accordance with all of the limitations of the count and was successfully tested between February 20 and March 27, 1941, we hold that the Board did not err in awarding reduction of the invention to practice to appellee as early as March 1941.

In view of what has been hereinbefore set out, it is unnecessary to discuss the record of appellants. They are bound by their earliest date of November 1, 1940, for conception of the invention. It appears from their record that the type of truck herein involved was completed by them by April 25, 1941, and that the truck was successfully reduced to practice not later than April 28, 1941. Since all of those dates are later than those awarded to appellee, they are clearly of no avail to appellants. Other questions of minor importance have been raised in the brief of appellants, and, while they have been given consideration, it is not necessary to discuss them.

[2] For the reasons hereinbefore set out, the decision of the Board of Interference Examiners is affirmed.

AFFIRMED.

PATENT SUITS

[Notices under 35 U. S. C. 70; sec. 4921, R. S.]

1,837,422, C. H. Fix, Insulating mat; 1,888,841, Wensel & Janisch, Art of heat insulation; 1,903,304, E. H. Wensel, Feeding hopper for pneumatic conveyor, D. C., N. D. Ohio (Cleveland), Doc. 25155, *Sprayo-Flake Co. et al.* v. *Carver-Behan Co.* Consent judgment holding patents valid and infringed; injunction Apr. 1, 1949.

1,888,841. (See 1,837,422.) 1,903,304. (See 1,837,422.)

1,947,901, J. de la Cierva, Aircraft of rotative wing type; 2,421,364, same, Sustaining rotor-equipped aircraft; 1,969,781, same, Aircraft of the rotative sustaining wing type; 1,952,113, A. E. Larsen, Mounting means for aircraft sustaining rotors; 1,990,291, same, Air rotor for aircraft; Re. 22,595, R. H. Upson, Aircraft, D. C., W. D. N. Y., Doc. 4070, *Autogiro Co. of America* v. *Bell Aircraft Corp.* Dismissed pursuant to Rule 41(a) (notice Apr. 4, 1949).

1,968,225, Shell & Zetterlund, Spark plug, filed Apr. 1, 1949, D. C., E. D. Mich., S. Div., Doc. 8065, *G. A. Shell et al.* v. *The Electric Auto Lite Co.*

1,969,781. (See 1,947,901.) 1,982,113. (See 1,947,901.)

1,990,291. (See 1,947,901.)

2,012,916, R. H. Pott, Impact tool; 2,143,173, E. H. Shaff, Rotary driving tool, filed Mar. 30, 1949, D. C., S. D. N. Y., Doc. 49/570, *Chicago Pneumatic Tool Co.* v. *Ingersoll-Rand Co. et al.*

2,135,114, E. A. Rockwell, Vacuum brake booster; 2,244,317, same, Hydraulic power system; 2,289,043, same, Valve device; 2,305,638, same, Hydraulic brake trailer system; 2,372,013, same, Amplifying fluid pressure device; 2,372,014, same, Travel control actuating apparatus; 2,372,015, same, Controlling means for automotive vehicle; 2,383,618, same, Power unit system; 2,388,220, same, Valve apparatus; 2,398,252, same, Power intensifier valve; 2,405,852, same, Power unit; 2,418,666, same, Power unit system for applying brakes; 2,434,588, same, Power system; Re. 20,910, same, Fluid pressure brake, filed Apr. 2, 1949, D. C. Del., Doc. 1202, *The Weatherhead Co.* v. *Electrofio Corp. et al.*

2,135,114. (See Re. 20,600.)

2,143,173. (See 2,012,916.)

2,151,094, A. Florentino, Device for reducing frictions in systems of the worm and nut type, filed Mar. 30, 1949, D. C., S. D. N. Y., Doc. 49/568, *Sarsel Devices, Inc.* v. *Power Expansion, Inc.*

2,186,140, L. J. Kurtz, Cleaner, filed Mar. 18, 1949, D. C., E. D. Pa., Doc. 9498, *E. Bullis et al.* v. *Mike Mennies & Sons.*

2,244,317. (See 2,135,114 and Re. 20,600.)

2,253,410, E. W. Work, Vacuum breaker, D. C., S. D. N. Y., Doc. 43/721, *The Beaton & Cadwell Mfg. Co.* v. *Sloan Valve Co. et al.* Stipulation and order dismissing complaint without prejudice Mar. 29, 1949.

2,281,604, A. H. Smith, Container for holding liquid under pressure; 2,294,172, C. Getz, Process of making aerated food products, D. C., W. D. N. Y., Doc. 2980, *Aeration Processes, Inc.* v. *Walter Kidde & Co. et al.* Judgment that plaintiff has title to patents (notice Apr. 4, 1949).

2,289,043. (See 2,135,114.) 2,294,172. (See 2,281,604.)

2,305,638. (See 2,135,114 and Re. 20,600.)

2,328,385, E. Mahler, Girdle, filed Mar. 18, 1949, D. C., E. D. Pa., Doc. 9497, *E. Mahler* v. *Character Foundations, Inc., et al.*

2,354,937, C. E. Barker, Work-holding device having a ball and socket as a means for universal adjustment, filed Mar. 30, 1949, D. C., S. D. Calif., C. Div., Doc. 9466-Y, *Wilton Tool Mfg. Co.* v. *Troup Engineering Co. et al.*

2,372,013. (See 2,135,114 and Re. 20,600.)

2,372,014. (See 2,135,114 and Re. 20,600.)

2,372,015. (See 2,135,114.) 2,383,618. (See 2,135,114.)

2,388,220. (See 2,135,114.) 2,398,252. (See 2,135,114.)

2,405,852. (See 2,135,114 and Re. 20,600.)

2,408,358, S. B. Yates, Distributor for stokers, appeal filed Apr. 4, 1949, C. C. A., 4th Cir., Doc. 5891, *S. B. Yates* v. *Seaboard Air Line Railroad Co. et al.*

2,418,666. (See 2,135,114 and Re. 20,600.)

2,421,364. (See 1,947,901.)

2,424,482, Mechur & Riedler, Shoulder pad and method of making same, D. C., S. D. N. Y., Doc. 44/651, *Riedler & Mechur, Inc.* v. *Paramount Pad Co., Inc., et al.* Consent decree and judgment in favor of plaintiff, sustaining patent, dismissing counterclaim and granting injunction Mar. 30, 1949.

2,429,581, H. D. Maitlen, Cleaning rod for welding torches, D. C., S. D. Calif., C. Div., Doc. 9473-PH, *Maitlen & Benson, Inc.* v. *Thermacote Co. et al.* Patent held valid and infringed; injunction (after June 17, 1949), (notice Apr. 1, 1949). Doc. 7820-PH, *Maitlen & Benson, Inc.* v. *Thermacote Co. et al.* Patent held valid and infringed (notice Mar. 31, 1949).

2,433,233. (See Des. 140,667.)

2,434,588. (See 2,135,114 and Re. 20,600.)

2,436,054, L. Pinkus, Garment with detachable shoulder pad, suit for declaratory judgment filed Mar. 28, 1949, D. C., S. D. N. Y., Doc. 49/536, *E-Z Thread Co., Inc.* v. *Certified Shoulder Pad Co., Inc.*

2,459,452, Reiner & Bragg, Clamp, filed Mar. 11, 1949, D. C., S. D. Calif., C. Div., Doc. 9457-M, *Kaynor Mfg. Co.* v. *Solo Products Corp. et al.*

Re. 20,372, A. Lorenz, Sitting and resting furniture, D. C., S. D. Ind. (Indianapolis), Doc. 1645, *Heywood-Wakefield Co. et al.* v. *Victor Furniture Co., Inc., et al.* Claims 11, 12, 13, and 14 held valid and infringed; injunction Mar. 31, 1949.

Re. 20,600, E. G. Staude, Fluid power controlling mechanism; Re. 20,910, E. A. Rockwell, Fluid pressure brake; 2,135,114, same, Vacuum brake booster; 2,244,317, same, Hydraulic power system; 2,305,638, same, Hydraulic brake trailer system; 2,372,013, same, Amplifying fluid pressure device; 2,372,014, same, Travel control actuating apparatus; 2,405,852, same, Power unit; 2,418,666, same, Power unit system for applying brakes; 2,434,588, same, Power system, filed Apr. 2, 1949, D. C. Del., Doc. 1201, *Midland Steel Products Co.* v. *Electrofio Corp. et al.*

Re. 20,910. (See 2,135,114 and Re. 20,600.)

Re. 22,595. (See 1,947,901.)

Des. 140,667, P. Meminger, Facial mask for use in electro-therapy; 2,433,233, same, Electrode pad, filed Mar. 10, 1949, D. C., S. D. Calif., C. Div., Doc. 9353-Y, *Dermoculture, Ltd.* v. *G. Voyer.*

Des. 151,684, Des. 152,679, Des. 152,680, M. Duvalet, Brooch, filed Mar. 29, 1949, D. C., S. D. N. Y., Doc. 40/545, *Van Cleef & Arpels, Inc.* v. *David's Fifth Avenue, Inc.*

Des. 152,679. (See Des. 151,684.)

Des. 152,680. (See Des. 151,684.)

NOTICES

Foreign Patents Received in the Scientific Library as of April 15, 1948

Country	Highest number	Date received
Australia	124,680	Apr. 4, 1949
Austria	161,000	Jan. 23, 1946
Czechoslovakia	76,650	Dec. 14, 1948
Denmark	68,470	Apr. 1, 1949
Finland	22,774	Dec. 28, 1948
France (*Patents*)	938,050	Dec. 27, 1948
(*Additions*)	54,250	Nov. 9, 1948
Germany	750,986	June 7, 1946
Great Britain	616,603	Apr. 14, 1949
Hungary	139,422	Mar. 21, 1949
India	39,182	Mar. 22, 1949
Italy	405,000	Jan. 11, 1949
Japan	168,760 (Vol. 2556)	June 25, 1947
Netherlands	62,739	Apr. 8, 1949
Norway	74,706	Mar. 31, 1949
Philippines	1 to 4	Mar. 1, 1949
Poland	33,429	Nov. 12, 1948
Russia	3,499	Apr. 10, 1928
Sweden	123,656	Mar. 3, 1949
Switzerland	257,515	Apr. 13, 1949

Disclaimers

2,158,963.—*Martin J. Gossen*, Whitefish Bay, Wis. WEATHER STRIP AND SASH BALANCE. Patent dated May 16, 1939. Disclaimer filed Apr. 6, 1949, by the inventor.

Hereby enters this disclaimer to claims 1, 2, 3, 4, 7, and 8 of said patent.

2,403,234.—*John A. Patterson*, Beacon, N. Y. LUBRICANT. Patent dated July 2, 1946. Disclaimer filed Apr. 11, 1949, by the assignee, *The Texas Company*.

Hereby enters this disclaimer to claim 4 of said patent.

2,406,990.—*George C. Borden, Jr.*, and *Karl R. Karlson*, Easton, Pa. ANTIFUNGUS WRAPPER, ETC. Patent dated Sept. 3, 1946. Disclaimer filed Apr. 1, 1949, by the assignee, *Riegel Paper Corporation*.

Hereby enters this disclaimer to claims 1, 3, 4, and 5 of said patent.

2,423,526.—*Carl G. Sontheimer*, Haddonfield, and *Nathaniel I. Korman*, Camden, N. J. REFLECTOMETER FOR WAVEGUIDE TRANSMISSION LINES. Patent dated July 8, 1947. Disclaimer filed Mar. 30, 1949, by the assignee, *Radio Corporation of America*.

Hereby enters this disclaimer to claims 1, 2, 4, 5, and 6 except insofar as claim 2 is incorporated by reference in dependent claim 3 of said patent.

2,450,159.—*William M. Pickslay*, Milwaukee, Wis. CONTROL SYSTEM. Patent dated Sept. 28, 1948. Disclaimer filed Mar. 26, 1949, by the assignee, *Allis-Chalmers Manufacturing Company*.

Hereby enters this disclaimer to claim 27 of said patent.

Adjudicated Patents

(C. A. Ill.) Evans et al. Reissue Patent No. 22,660, for a method of and means for waving hair, *Held* invalid. *Sales Affiliates* v. *National Mineral Co.*, 172 F.2d 608; 80 USPQ 389.

(C. A. Ill.) Winkel Patent No. 2,051,063, for a hair waving unit, *Held* invalid. *Sales Affiliates* v. *National Mineral Co.*, 172 F.2d 608; 80 USPQ 389.

(D. C. N. J.) Montmarquet Patent No. 2,301,066, for an athletic supporter, *Held* invalid and not infringed. *Montmarquet* v. *Johnson & Johnson*, 82 F. Supp. 469; 80 USPQ 404.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,345,708. VISE. Patented Apr. 4, 1944. Vise has an adjustable normally folded mounting so that top horizontal section carrying a stationary jaw at one end and a slidable jaw may be adjusted to various inclined positions. Top section is hinged at one end to one end of an intermediate base, which in turn is hinged at one side to one side of a sub-base. When desired, top section may be adjusted endwise by raising one end, or sidewise by raising one side of intermediate base while sub-base remains stationarily secured to any suitable support. Removable props may be used to hold the adjustable parts at desired inclinations. (Owner) Arthur A. Lines, 2003 South George St., Marion, Ind. Group 33—92. Reg. No. 19,447.

Pat. 2,318,365. DENTAL AND MOUTH CLEANSING MEANS. Patented May 4, 1943. Tubular finger piece of sponge rubber for cleaning teeth may be discarded after a single use. It is closed at one end and impregnated with dentifrice. After formation of tube, it is rolled inside out upon itself into a substantially flat circular roll and placed upon a retaining ring. When desired, tube is readily unrolled from ring and simultaneously rolled upon a finger into position for immediate use. (Owner) Bigelow Boysen, 808 Haycock Road, Falls Church, Va. Groups 28—32; 30—51; 39—17; 40. Reg. No. 19,448.

Pat. 2,334,000. CAPSULE. Patented Nov. 16, 1943. Container for unit dose of liquid or semi-liquid. Bulbous capsule has a neck with a sealed mouth and separable lip extensions. The lips may be readily pulled apart to tear open the mouth to empty contents. (Owner) Bigelow Boysen, 808 Haycock Road, Falls Church, Va. Groups 28—31; 40. Reg. No. 19,449.

Pat. 2,370,973. METHOD AND APPARATUS FOR PRODUCING COATED WIRE. Patented Mar. 6, 1945. Reg. No. 19,450.

Pat. 2,445,675. APPARATUS FOR PRODUCING COATED WIRE BY CONTINUOUS PROCESS. Patented July 20, 1948. Reg. No. 19,451.

These two patents provide methods and apparatus for electroplating and drawing electroplated coatings on wire by continuous operation. A plurality of pipe sections are connected in end-to-end relation and insulated from each other. Drawing dies are interposed between certain intermediate sections and at the incoming and outgoing ends of the apparatus. The dies and pipe sections are connected to a suitable source of current. This arrangement provides a closed system consisting of a series of separate chambers through which the wire is continuously pulled to subject it to annealing, cleaning, pickling, electroplating, and drawing. As the wire is pulled through the system, it is drawn through the dies preceding and following the treating steps. Uniform current density is maintained on the wire throughout its travel through plating chambers by uniformly tapering pipe sections on their inner surface from their opposite ends inwardly toward a central point. Gaskets adjacent the dies provide a light wiping action on the wire to prevent dies from becoming coated. When desired, etching chambers may be interposed in the system. Several embodiments of the inventions are set forth. (Owner) W. C. Lang, 32605 Shoreham Drive, Willoughby, Ohio. Group 34—72.

Pat. 2,455,101. ROCKET PROJECTOR. Patented Nov. 30, 1948. Rocket projector has a projector tube with several communicating bores of different diameters. The largest is the ignition chamber from which channels lead to the outside. These channels discharge and permit exhausting of the propelling gases during firing and prevent back blasts toward the operator. The firing mechanism is in the bore behind the ignition chamber. This consists of a block with several intercommunicating bores. A coiled spring in the rear of the block presses upon a disk from which a firing pin projects. This bore communicates with a cap chamber. When the trigger is pressed, the firing pin slides forward under pressure of the spring and pierces the cap igniting the rocket charge. (Owner) Douglas F. Stevens, 1096 North Raymond Ave., Pasadena, Calif. Group 33—X9. Reg. No. 19,452.

Pat. 2,457,464. SURGICAL INSTRUMENT. Patented Dec. 28, 1948. A surgical instrument having a controlled retractable needle for clinical or home use in treating blisters, small infections, etc., without undue injury to the skin. The handle of the device has an interiorly threaded barrel member operatively associated with an exteriorly threaded cylinder. A member rotatably mounted on the barrel has a portion extending within the cylinder to rotate the cylinder and extend or retract a needle at end of cylinder. A bifurcated curved guard secured to end of barrel member controls the depth of penetration of the needle. (Co-owner) Leo L. Grose, Box 140, Attica, N. Y. Group 39—15. Reg. No. 19,453.

Pat. 2,452,096. COMBINED BILLFOLD AND CARD RETAINER. Patented Oct. 26, 1948. Billfold, which is slightly more than twice the width of a piece of paper money, has outer and inner walls fastened together at ends and stitched together along a line intermediate the longitudinal edges, forming two separate compartments for paper money accessible at top and bottom edges of billfold. A series of overlapping pieces secured to inner wall at one end form shallow compartments for cards so arranged that each card is visible for easy identification. Deeper compartments at other end hold larger cards. Cellophane containers for photographs may be fastened at center. (Owner) Marion F. Bertalatto, Route 2, Monett, Mo. Group 31—72. Reg. No. 19,454.

Des. Pat. 122,635. DESIGN FOR A COMBINED SURGICAL ADJUSTER AND DILATOR. Patented Sept. 17, 1940. (Co-owner) Mary Haskins Hickok, 17 South Florence Ave., Tulsa, Okla. Group 39—15. Reg. No. 19,455.

Pat. 2,456,782. WASHCLOTH AND PAD HOLDER FOR THE BATH. Patented Dec. 21, 1946. Holder from which a bath cloth may be easily removed after use consists of a saucer-shaped head and a long curved handle. Folded cloth is placed over convex surface of head, and edges held by rounded end portion of handle keeper, which seats within concave surface. The handle keeper is slotted to fit around a pin recessed in a riser. Pin carries a button which is turned to attach handle to head or to release it. (Owner) Peter C. Hartman, 9950 Avenue J, Chicago 17, Ill. Groups 25—09; 39—81; 40. Reg. No. 19,456.

The following 15 patents are offered for license or sale by Albert C. Fischer, 6051 West 65th St., Chicago 38, Ill.

Pat. 2,194,649. PERFUMED SPONGE RUBBER ARTICLE. Patented Mar. 26, 1940. A pellet of wax mixed with flower oil is embedded in the center of a rubber sponge, the oil gradually evaporating through the cells of the sponge. Article is adapted for such uses as sachet for bureau drawers, lockers, toilets, etc., where it is desirable to overcome stale or unpleasant odors. Groups 28—32—34; 30—52; 40. Reg. No. 19,457.

Pat. 2,224,148. EXPANSION JOINT. Patented Dec. 10, 1940. Reg. No. 19,458.

Pat. 2,368,650. SELF-RESTORING WATER STOP AND OTHER WATERPROOFING PACKING. Patented Feb. 6, 1945. Reg. No. 19,459.

Pat. 2,370,153. CONTRACTION JOINT FOR CONCRETE. Patented Feb. 27, 1945. Reg. No. 19,460.

Pat. 2,370,647. POROUS BODY EXPANSION JOINT. Patented Mar. 6, 1945. Reg. No. 19,461.

Pat. 2,374,186. EXTRUSION CONTROLLED WATER-STOP EXPANSION JOINT. Patented Apr. 24, 1945. Reg. No. 19462.

Pat. 2,400,493. WATER STOP EXPANSION JOINT. Patented May 21, 1946. Reg. No. 19,463.

Pat. 2,431,384. SELF-RESTORING WATER-STOP AND OTHER WATERPROOFING PACKINGS. Patented Nov. 25, 1947. Reg. No. 19,464.

Pat. 2,431,385. POROUS BODY EXPANSION JOINT. Patented Nov. 25, 1947. Reg. No. 19,465.

Pat. 2,431,386. WATER-STOP EXPANSION JOINT. Patented Nov. 25, 1947. Reg. No. 19,466.

These nine patents describe various types of filler units used as expansion joints between the slabs of a concrete road, building construction, etc. The joints formed by the units do not extrude upwardly. As shown in Pat. 2,224,148 the filler may be a grooved yieldable core (of a composition similar to Pat. 2,454,506, Reg. No. 19,471) enclosed within a pair of sheet metal plates. Tongues cut in the plates extend outwardly and receive a dowel which holds the plates in position. In Pat. 2,370,153 two thin, sub-dividing plates are separably joined by an interfitting tongue and groove arrangement. A yieldable strip extends on either side of the plates and acts as a waterstop. Patents 2,370,647 and 2,431,385 describe resilient fibers sealed within an elastic waterproof outer cover such as sponge rubber to form a body recessed slightly below the surface of the road to permit asphalt to fill the crevice. The core described in Pat. 2,368,650, Pat. 2,374,186, Pat. 2,400,493, Pat. 2,431,384, and Pat. 2,431,386 has a number of wings which may or may not be integrally formed. The wings act as a waterstop apron to prevent the seepage of water into the joints between concrete slabs of various types of masonry construction. The wings and core may be filled with a bituminous material which includes an oily fluid. Groups 28—34; 29—31; 30—52; 32—71.

Pat. 2,316,232. FLOORING MATERIAL AND FLOOR CONSTRUCTION. Patented Apr. 13, 1943. Sound-deadening floor construction. Squares or lengths of wood flooring are laid alternately in combination with similarly shaped squares or planks made of a yielding plastic material such as a rubber and cork compound. Both the wood and compound planks, etc., are provided with interfitting tongue and groove formations so that they may be laid in the conventional manner. Groups 22—63; 24—31; 30—33. Reg. No. 19,467.

Pat. 2,354,586. METHOD OF AND MACHINE FOR TREATING AND LAYING STRIP MATERIAL FROM PACKAGES. Patented July 25, 1944. Machine is wheeled along road to deposit strip material between joints of concrete paving sections. Mounted on a frame are separate tanks containing an adhesive and fuel for a burner unit; a reel for the strip material; a heavy roller which presses the strip material into the joint; various guide wheels; and a pair of circular bristle brushes one of which acts to sweep the joint before application of the adhesive by the second brush. Strip material is unwound from the reel and heated to become tacky. An adhesive is applied to the walls of the crevice which has just been swept. The strip is guided into the joint and pressed into place by the heavy roller which passes over the strip. Several modifications are also shown for applying strip material to any flat surface. Group 35—31. Reg. No. 19,468.

Pat. 2,359,755. SELF-PACKING PIPE JOINT MOLD. Patented Oct. 10, 1944. Reg. No. 19,469.

Pat. 2,368,610. JOINING PIPE SECTIONS. Patented Jan. 30, 1945. Reg. No. 19,470.

These two patents describe methods of preparing pipe joint packings without the use of dams or dies. In Pat. 2,368,610 the spigot end of tile or metal pipe sections is joined to the bell end of a like section by forming a lining on the interior of the bell of one section while the sections are nested. Following the forming operation, the first section is withdrawn and the spigot end reinserted into the lined bell after an adhesive is applied, and a gas- and water-tight seal obtained. A thin tapered metal section is used in Pat. 2,359,755 to temporarily subdivide the packing space so that the bell liner and spigot facing strips may be formed. Mastic, or any other type of packing, is poured, after which the sections are separated. As previously described, an adhesive coating is applied before the sections are reassembled. Several modifications are shown in both patents. Group 28—34.

Pat. 2,454,506. COMPOSITION OF RUBBERLIKE QUALITIES. Patented Nov. 23, 1948. Composition of tacky texture which adheres easily to concrete, metal, or wood may be used in expansion joints, waterproof seals, etc. The composition is formed of a small amount of rubber (not less than 3.5%); 35–40% of brittle asphalt having a melting point of 170°–180° F.; a plasticising agent; 35–40% asphalt material of a different grade having a flow point of 90° F.; 5–10% of a mineral filler such as clay; and 1–3% of a flow-retarding agent such as litharge. The composition is yieldable, flexible, etc. It may be cut with solvents to produce a waterproofing paint, or a damp-proofing compound. Group 28—34. Reg. No. 19,471.

Pat. 2,456,885. TOILET. Patented Dec. 21, 1948. A flushing system for a toilet is designed to reduce noise of flushing and to thoroughly cleanse the bowl. Water released from a storage tank rushes through an inlet pipe, enters a duct at upper edge of bowl and jets through openings into bowl. The sudden volume of water causes the water to rush from bowl through a tangential outlet into a passage in a helix block, carrying with it contents of bowl. This creates a centrifugal action which maintains the density of the water, preventing aspiration of air and noises. Rising through the passage, the former contents of bowl pass through a discharge passage into sewer. (Owner) James F. Molloy, 525 East 21st St., Oakland 6, Calif. Group 32—61. Reg. No. 19,472.

Pat. 2,414,343. AUTOMOBILE LIGHTING DEVICE. Patented Jan. 14, 1947. Reg. No. 19,473.

Pat. 2,424,719. AUTO-REEL LIGHT. Patented July 29, 1947. Reg. No. 19,474.

Pat. 2,444,540. PORTABLE LIGHT. Patented July 6, 1948. Reg. No. 19,475.

These three patents show a trouble extension lamp for automobiles in which the switch structure is secured to back of dash, and the reel structure is clamped to steering post. Hood of automobile normally controls actuation of a resilient switch so that lamp will light when hood is opened and be extinguished when hood is closed. When hood is open, the switch may be manually depressed and held latched in "off" position by trip means, which become disengaged and rendered inoperative when hood is closed. A pawl and ratchet will retain extension cord in any payed out position, and a spring will rewind cord on reel when pawl is released. An articulated collapsible wire support secured to convex shell of lamp is adjustable to hold lamp in various positions to direct beam of light as desired. When support is collapsed, back of lamp fits snugly in a concave seat of reel housing. (Owner) Anthony Joseph Valrose, 3123 South Shields Ave., Chicago 16, Ill. Groups 36—31; 38—81.

Pat. 2,456,194. SLIDING SHOE RACK. Patented Jan. 4, 1949. A disappearing shoe rack to be slidably supported by the springs of a bed. A pair of spaced parallel hanger sections fitted to a cross tie are attached to a bed spring by clamping strips which overlie the springs. Runners are slidably engaged in channels at inner sides of the hanger sections. Their base pieces are secured to the outer sides of a movable rack frame. The rack is slidable outwardly next to the side rail of a bed. (Owner) Carl M. Panosh, 2930 South Wisconsin, Berwyn, Ill. Groups 25—99; 33—49—73; 39—81. Reg. No. 19,476.

Pat. 2,452,004. WARP STOP MOTION DROP WIRE. Patented Oct. 19, 1948. A spring steel drop wire for looms has an elongated slot, one side severed for easy removal or placing on the supporting bars of a stop motion mechanism without disturbing the other wires. Spaced below the slot is an eye through which a warp thread passes. The severed leg of the slot is closed by a slidable sleeve. (Owner) H. F. Weddington, 80 Kirk St., Salisbury, N. C. Groups 33—73; 35—52. Reg. No. 19,477.

Pat. 2,456,257. FLUSHING DEVICE FOR DOUCHE SYRINGES. Patented Dec. 14, 1948. A bulb type syringe has a pair of semi-cylindrical members near the nozzle end of tube for expanding orifice during a syringing operation. Enables the free flow of fluid to all parts of the orifice and provides drainage passages. The semi-cylindrical members are attached to operating levers which when pressed together open the semi-cylindrical members and expand the orifice. A movable ring encircles the levers and tube and locks levers in desired position. (Owner) William R. Curry, Box 707-6, Hawthorne, Nev. Groups 30—51; 39—15. Reg. No. 19,478.

Pat. 2,116,792. PAPER TOWEL DISPENSER. Patented May 10, 1938. A box-like cabinet for dispensing one sheet at a time from a stack of paper towels or the like having alternately arranged angular-folded front edges. The stack is supported at the back by an inwardly extending step, and at the front by a triangular bracket. Arms of a release lever, which is hinged at its center to bracket and supports the angular ends of alternate sheets of paper, extend through slots at front corners of cabinet. When an operating tab on end of lever arm is pressed, the lever swings on hinge pin and releases the angular portion of a sheet, which is then pulled from pile through the slot. The process is repeated on the opposite side for alternate sheets. (Owner) Edwin Jacobsen, 468 East Marigold St., Altadena, Calif. Groups 26—99; 33—73; 39—81. Reg. No. 19,479.

Pat. 2,257,340. FOLDED ARTICLE. Patented Sept. 30, 1941. A stack of sheets, such as paper napkins, etc., so folded for storage in an open-end dispensing cabinet that only one sheet can be touched and manually withdrawn at a time. Each sheet has a central fold to produce a double sheet. The front thickness of each sheet is folded inwardly and downwardly between the two thicknesses on an angular line. These extend alternately from the right and left top corners. Sheets are stacked with the central fold resting on the bottom of the container. (Owner) Edwin Jacobsen, 468 East Marigold St., Altadena, Calif. Groups 26—99; 40. Reg. No. 19,480.

Pat. 2,455,000. CURTAIN ROD SUPPORT. Patented Dec. 14, 1948. This curtain rod structure will accommodate drapes and curtains of varied widths and is attachable to windows of varied widths. It consists of a multiple number of brackets which are slidably and fixedly attachable to a ledge on the top of a window. The curtain rod is made up of a central core of rolled paper having two end rods slidably fitted thereto in order to vary the adjustment for length of the rod. (Owner) Joseph Irling, % Stanley Kniczycki, 1858 West Artesian Ave., Chicago, Ill. Group 25—62. Reg. No. 19,481.

Pat. 2,458,875. MUSIC BOX. Patented Jan. 11, 1949. This music box construction has reed-like elements secured at one end, the other end remaining free so that they may be strummed or vibrated by plucking with the fingers or with a pick. The instrument has a sound board as its base supported on legs so that when the instrument is played while resting on a larger surface, such as a table, it will influence the surface by virtue of the principle of sympathetic vibration. (Owner) Adolph Pfeiffer, 1421 West Adams St., Chicago, Ill. Group 39—30. Reg. No. 19,482.

Pat. 2,415,612. LOCK STRUCTURE. Patented Feb. 11, 1947. A lock structure for safes which may be operated by a hand wheel or by a cable attached to a drum embedded in the safe. A cable system is embedded in the walls of a safe and moves in sliding guides attached to a rigid support. When actuated by a hand wheel, the gear meshes with a toothed plate and causes the cables to slide and actuate the locks at ends of the cables. When the device is operated from a distant point, the gear wheel is moved by a drum embedded in the safe and operated by another cable attached to a steel band wound upon the drum. (Owner) Mrs. Valerie Straessli, Rua da Bahia, 492—Apt. 6, Belo Horisonte, Est. Minas Gerais, Brazil. Group 33—98. Reg. No. 19,483.

Pat. 2,454,725. CAN PIERCER. Patented Nov. 23, 1948. A wall bracket device for piercing containers of liquid may be manufactured in two parts from sheet metal and heavy wire. A wall bracket has a side portion and a step-seat to support a small can, and a lower extension step-seat for a large can. An overhanging head portion has a downwardly extending piercing point above small can and an auxiliary piercing point for large can. A heavy bent wire pusher having a fulcrum trunnion, and a handle at end of lever, is pivoted below the can seats for pushing the can upward against the piercing point. (Owner) Joseph E. Thomas, P. O. Box 711, West Los Angeles 25, Calif. Group 33—49—51—73. Reg. No. 19,484.

Pat. 2,316,994. BOMB. Patented May 11, 1943. A metal bullet-shaped shell has a leading nose end, and spaced fins grouped in a circle at the butt end. The shell is divided into chambers. A detonating cap chamber has a fuse composition behind the cap. A rear chamber is filled with a high explosive, and an intermediate chamber is packed with Thermit. A nipple extends from the cap chamber into the intermediate chamber. A time fuse extends from the cap chamber into the end chamber. When bomb strikes a target, the cap is exploded and ignites the fuse material, which through the nipple ignites the Thermit. When the time fuse burns to the explosive, the bomb bursts, spreading the Thermit over a wide area. The fragments of the bomb act as shrapnel. (Owner) August Helmbold, 716 Columbia St., Newport, Ky. Group 33—X2. Reg. No. 19,485.

Pat. 2,453,508. VALVE COOLING MEANS FOR INTERNAL COMBUSTION ENGINES. Patented Nov. 9, 1948. This invention relates to a deflecting means which causes incoming gas in valve chambers of internal combustion engines to cool the exhaust valves before the gas is ignited. An elongated deflector baffle is provided in the valve chamber to cause gas admitted by the intake valve to pass through and around cooling studs on the exhaust valve. The baffle extends alongside the valves, the major portion curving part way around the intake valve to collect gas, and terminates in an oppositely curved portion opposite the exhaust end. (Owner) August Helmbold, 716 Columbia St., Newport, Ky. Group 35—19. Reg. No. 19,486.

Pat. 2,447,123. THERAPEUTIC DEVICE. Patented Aug. 17, 1948. Device for mixing and discharging a stream of water and air may be connected to a water supply (and held in one hand) to administer hydro-therapeutic treatments. It is adjustable to provide proper mixture regardless of existing water pressure. It consists of a cylindrical casing having the flared end of a nozzle connected to its forward end, and a lateral air inlet near its rear end. Casing is partitioned by a transverse perforated baffle to provide a mixing chamber forwardly of baffle. A water supply conduit extends centrally inwardly through rear end of casing and through baffle into mixing chamber. Flow of water through device draws air from atmosphere into mixing chamber where it mixes with swirling water discharged from end of conduit. Modified forms of adjustable conduits are shown so that the water may be sprayed from end of conduit against the sides of mixing chamber in the form of either divergent jets or a conical sheet. (Owner) Allan Pierce Jones, 2745 29th St. N. W., Washington 8, D. C. Group 39—15—16. Reg. No. 19,487.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 10, 1949

[VOL. 622. NO. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 506,136. SUNSHINE PRODUCTS COMPANY, Seattle, Wash. Filed July 23, 1946.

Kleenaire

FOR DEODORANT AND DISINFECTANT FOR URINALS.

Claims use since July 15, 1936.

Ser. No. 506,385. V. THEODORE MERTZ, Chicago, Ill. Filed July 27, 1946.

Tom and Jerry

FOR GENTLEMEN'S TOILETRIES—NAMELY, HAIR TONIC AND DEODORANTS.

Claims use since Jan. 8, 1946.

Ser. No. 511,988. THE DURNECK COMPANY, North Hollywood, Calif. Filed Nov. 4, 1946.

MYREL

FOR TABLETS FOR RHEUMATIC PAINS.

Claims use since Oct. 1, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 523,512. BENLOW LIMITED, London, England. Filed June 4, 1947.

BENLOW

FOR PYROPHORIC LIGHTERS FOR SMOKERS, AND CIGARETTE CASES.

Claims use since June 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 510,605. MCRAE BROS., Patchogue, Long Island, N. Y. Filed Oct. 10, 1946.



The words "Tight" and "Roofs" are disclaimed apart from the mark as shown.

FOR ASBESTOS SIDING SHINGLES, ASPHALT ROOFING SHINGLES, ASPHALT ROLL ROOFING, ASPHALT ROOFING COMPOUNDS FOR APPLICATION TO ROOFS, AND ASPHALT PLASTIC CEMENTS FOR APPLICATION TO ROOFS.

Claims use since at least as early as 1925.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 509,758. ROGER H. DAVID, St. Paul, Minn. Filed Sept. 26, 1946.

DAVID

Shinemaster

The word "David" is disclaimed apart from the mark as shown.

FOR SHOE HOLDER FOR HOLDING SHOES WHILE CLEANING OR SHINING SAME.

Claims use since June 17, 1946.

Ser. No. 525,421. SUN OIL COMPANY, Philadelphia, Pa. Filed July 1, 1947.

SUNOCO

FOR FUEL LINE FITTINGS—NAMELY, ADAPTERS AND CONNECTORS, HOSE CLAMPS, RUBBER COVERED PNEUMATIC TIRE VALVES, VALVE CORES, VALVE CAPS.

Claims use since Apr. 3, 1947.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 521,073. HEADQUARTERS PAINT & VARNISH CO., Brooklyn, N. Y. Filed Apr. 21, 1947.

HEADCOAT

The drawing is lined to represent yellow color.
FOR READY-MIXED PAINTS AND VARNISHES.
Claims use since Mar. 24, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 522,812. HAYS MANUFACTURING COMPANY, Erie, Pa. Filed May 22, 1947.

"Electroflo"

FOR SOLENOID ACTUATED, SELF-CLOSING VALVES FOR CONTROLLING AND METERING LIQUIDS IN A PIPE LINE.
Claims use since Jan. 15, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 517,757. WESEL MANUFACTURING COMPANY, Scranton, Pa. Filed Feb. 18, 1947.

RED DOT

The lining in the drawing indicates red.
FOR ROUTER BITS USED FOR ROUTING PRINTING PLATES.
Claims use since May 21, 1934.

Ser. No. 522,282. RUSSELL HARRINGTON CUTLERY COMPANY, Southbridge, Mass. Filed May 29, 1947.

RUSCO

FOR HAND EDGE CUTTING TOOLS—NAMELY, PUTTY KNIVES, SCRAPERS, AND TABLE SERVICE KNIVES.
Claims use since February 1935.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 516,674. CROWN UPHOLSTERY COMPANY, Los Angeles, Calif. Filed Jan. 31, 1947.

PEACOCK

FOR SOFAS, LIVING ROOM AND BEDROOM CHAIRS, OCCASIONAL CHAIRS, LOVE SEATS, AND SECTIONAL SOFAS.
Claims use since Oct. 29, 1946.

CLASS 39

CLOTHING

Ser. No. 519,925. NICKY CHINI, Milan, Italy. Filed Apr. 1, 1947.

Nicky

FOR NECKTIES.
Claims use since 1925.

Ser. No. 522,656. JOHNS HOSIERY COMPANY, Chicago, Ill. Filed May 19, 1947.

JOLLY MATES

Two Feet of Wear in Every Pair

The phrase "Two Feet of Wear in Every Pair" is disclaimed apart from the mark as shown as is also the word "Mates."
FOR HOSIERY.
Claims use since Aug. 11, 1932.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 497,963. PACIFIC MILLS, Boston, Mass., and New York, N. Y. Filed Mar. 9, 1946.

"REPLA"

FOR WOOLEN FABRICS IN THE PIECE.
Claims use since Feb. 27, 1946.

CLASS 43

THREAD AND YARN

Ser. No. 509,389. THE AMERICAN THREAD COMPANY, New York, N. Y. Filed Sept. 20, 1946.

GIFT-PAC

The word "Pac" is disclaimed.
FOR PACKAGES OF THREAD.
Claims use since Aug. 29, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 522,279. MILDURA WINERY PROPRIETARY LIMITED, Merbein, Victoria, Australia. Filed May 12, 1947.

MILDARA

SPECIAL BRANDY

Supreme Liqueur

All words excepting the words "Mildara" and "Supreme" shown on the drawing are disclaimed.
FOR BRANDY.
Claims use since December 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 519,207. JOSEPH V. MCGARRITY, Stillwater, N. J. Filed Mar. 18, 1947.

PRAC-T-RACK

The word "Rack" is disclaimed apart from the mark.
FOR MULTIPLE GARMENT HANGER.
Claims use since Apr. 1, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 507,095. BEAUTYKOTE CORPORATION, Newark, N. J. Filed Dec. 22, 1947; originally filed, act of 1905, Aug. 9, 1946.

Beautykote

FOR SYNTHETIC RESINS USED IN THE MANUFACTURE OF COATINGS FOR WOOD, METAL, CONCRETE, BUILDING BOARD, PLASTIC AND OTHER SURFACES.
Claims use since July 12, 1946.

Ser. No. 527,665. OREFRACTION INCORPORATED, Pittsburgh, Pa. Filed July 5, 1947.

FOR MINERAL REFRACTORIES AND MINERAL REFRACTORY COMPOSITIONS FOR GENERAL USE.
Claims use since May 14, 1940.

Ser. No. 535,049. ROBERT H. KARSTENS, Pasadena, Calif. Filed Sept. 19, 1947.



The word "Rose" is disclaimed apart from its use in the mark.
FOR CUT AND POTTED NATURAL ROSES.
Claims use since July 14, 1947.

Ser. No. 540,417. INDIAN RIVER POULTRY FARM, INC., Ocean View, Del. Filed Nov. 7, 1947.

"BABY BEEF BROILERS"

No claim is made to the word "Broilers" apart from the mark shown.
FOR BABY CHICKS AND HATCHING EGGS NOT SOLD NOR SUITABLE FOR USE AS FOODS.
Claims use since Oct. 1, 1940.

Ser. No. 551,299. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

ACHESON GRAPHITE

The word "Graphite" is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 37,907, 45,808, 144,982, and 147,835.
FOR GRAPHITE.
Claims use since March 1899.

Ser. No. 568,004. BEHR-MANNING CORPORATION, Troy, N. Y. Filed Nov. 3, 1948.

Behrlon

FOR FIBERS OF NATURAL AND/OR SYNTHETIC MATERIAL — NAMELY, SHORT CUT-TO-LENGTH FIBRES OF RATHER UNIFORM LENGTH, SHORT FIBRES IN A CONTROLLED MIXTURE OF FIBRES OF VARIABLE LENGTH AND GROUND FIBRES ADAPTED TO BE APPLIED TO A BACKING FOR GENERAL DECORATIVE PURPOSES.
Claims use since Sept. 30, 1948.

CLASS 2

RECEPTACLES

Ser. No. 501,351. H. WENZEL TENT & DUCK CO., St. Louis, Mo., assignee of H. Wenzel Tent & Duck Co., a firm. Filed Oct. 27, 1947; originally filed, act of 1905, May 2, 1946.

WATER BOY

The word "Water" is disclaimed apart from the combination "Water Boy" and the representation of the two water bags is disclaimed apart from the mark shown.
FOR WATER BAGS.
Claims use since March 1943.

Ser. No. 519,016. GENERAL HARDWARE MFG. CO., INC., New York, N. Y. Filed Mar. 11, 1948; originally filed, act of 1905, Mar. 14, 1947.

GENERAL

FOR DRILL CASES WHICH ARE COMPRISED OF A SHEET METAL BOX WITH HINGED COVER, HOUSING ONE OR MORE PIVOTALLY MOUNTED EMPTY DRILL TRAYS WHICH AUTOMATICALLY ASSUME ANGULAR RELATION UPON OPENING THE BOX.
Claims use since 1941.

Ser. No. 534,967. WALTER A. ALLEN, doing business as Allen Company, Pittstown, N. J. Filed Sept. 19, 1947.

ALLEN'S
FERTO-POT

The name "Allen's" and the word "Pot" are disclaimed apart from the mark.
FOR FLOWER OR PLANT POTS TO BE PLACED IN THE GROUND OR IN REGULAR POTS AND THE MATERIAL OF WHICH CONTAINS A FERTILIZER FOR FLOWERS OR PLANTS.
Claims use since December 1939.

Ser. No. 551,214. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Mar. 5, 1948.

MELMAC

Applicant claims ownership of Registration No. 388,600.
FOR TABLEWARE, CONSISTING OF CUPS, SAUCERS, PLATES, PLATTERS, BOWLS, AND DISHES, MOLDED OF PLASTIC OR SYNTHETIC RESINS.
Claims use since Feb. 18, 1948.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 512,376. BROWN & BIGELOW, St. Paul, Minn. Filed July 5, 1947; originally filed, act of 1905, Nov. 12, 1946.

Remembrance Advertising

No claim is made to the word "Advertising" apart from the mark as shown. Applicant claims ownership of Registrations Nos. 189,732, 147,758, 230,599, and 412,238.
FOR PORTFOLIOS, POCKETBOOKS, WALLETS, AND LEATHER-COVERED RECEPTACLES SUCH AS PORTFOLIOS, POCKETBOOKS, AND BRIEF CASES.
Claims use since Mar. 1, 1920.

Ser. No. 547,781. M. SLIFKA & SONS, INC., New York, N. Y. Filed Jan. 22, 1948.

Tuck-away

FOR PURSES, WALLETS, COMBINATION PURSES AND WALLETS, AND BEACH BAGS.
Claims use since December 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 535,842. HENRY B. HELLER CORP., St. Louis, Mo. Filed Sept. 26, 1947.

TETFOAM

Applicant claims ownership of Registrations Nos. 432,644 and 432,645.
FOR DEGREASER FOR CLEANING COOKING UTENSILS, ENAMEL AND TILE SURFACES, KITCHEN FURNITURE, WOODWORK, PAINTED WALLS, LINOLEUM, GLASSWARE, AND THE LIKE.
Claims use since Aug. 15, 1946.

Ser. No. 540,952. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Nov. 12, 1947.

F. S.

FOR DETERGENT COMPOUND FOR INDUSTRIAL METAL CLEANING.
Claims use since Nov. 5, 1940.

Ser. No. 549,204. JOHN H. WOODBURY, INC., Cincinnati, Ohio. Filed Feb. 9, 1948. Under section 2f of the act of 1946.

Woodbury

Applicant claims ownership of Registrations Nos. 68,594, 101,612, 112,426, 305,543, and 305,564.
FOR FACIAL SOAP AND SHAVING SOAP.
Claims use since Jan. 1, 1891.

Ser. No. 557,281. J. F. KURFEES PAINT COMPANY, Louisville, Ky. Filed May 18, 1948. Under section 2f of the act of 1946.

KURFEES

Applicant claims ownership of Registrations Nos. 143,856 and 360,163.
FOR LIQUID CLEANERS FOR FLOORS AND PAINTED SURFACES.
Claims use since Jan. 1, 1907.

Ser. No. 557,282. J. F. KURFEES PAINT COMPANY, Louisville, Ky. Filed May 18, 1948. Under section 2f of the act of 1946.

KURFEES

Applicant claims ownership of Registrations Nos. 143,856 and 360,163.
FOR LIQUID CLEANERS FOR FLOORS AND PAINTED SURFACES.
Claims use since Feb. 12, 1938.

Ser. No. 558,183. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va. Filed May 29, 1948.

VICARDEE

FOR CLEANSER IN POWDER FORM FOR USE IN THE FOOD INDUSTRY AND IN ALL OTHER CLEANING WHERE OIL AND GREASE EMULSIFICATION IS OF PARAMOUNT IMPORTANCE.
Claims use since Apr. 13, 1948.

Ser. No. 558,187. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va. Filed May 29, 1948.

VICARSan

FOR ALKALINE CLEANSER IN POWDER FORM FOR USE IN FOOD INDUSTRY INCLUDING DAIRY FARMS.
Claims use since Apr. 13, 1948.

Ser. No. 558,507. PEERLESS SAL-O-WELL COMPANY, INCORPORATED, Buffalo, N. Y. Filed June 4, 1948.

VELVA PINE

The word "Pine" is disclaimed apart from the mark as shown.
FOR PREPARATION FOR CLEANING WALLS, TILE, PORCELAIN, WOODWORK, FLOORS, AND THE LIKE.
Claims use since 1940.

Ser. No. 560,052. PURITAN SALES COMPANY, INC., Atlanta, Ga. Filed June 23, 1948.



Brushless
BRUSHLESS
BABY BOTTLE CLEANSER

The words "Brushless" and the words "Baby Bottle Cleanser" are disclaimed apart from the mark. The head of the baby is fanciful.
FOR BOTTLE CLEANSERS.
Claims use since May 1948.

Ser. No. 564,318. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Aug. 28, 1948.

Brunswick

Applicant claims ownership of Registrations Nos. 152,127 and 313,282.
FOR STEEL WOOL.
Claims use since Apr. 10, 1946.

Ser. No. 564,780. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Sept. 7, 1948.

STED

FOR SURFACE ACTIVE AGENTS FOR GENERAL USE IN THE INDUSTRIAL ARTS—NAMELY, AS DETERGENTS.
Claims use since Oct. 1, 1947.

Ser. No. 569,141. FORD MOTOR COMPANY, Dearborn, Mich. Filed Nov. 20, 1948.

FoMoCo

FOR METAL POLISH, METAL CLEANER, UPHOLSTERY CLEANER, WINDSHIELD WASHER SOLUTION, AND CAR WASHING SOLUTION.
Claims use since Nov. 17, 1948.

CLASS 5

ADHESIVES

Ser. No. 524,928. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Feb. 6, 1948; originally filed, act of 1905, June 27, 1947. Under section 2f of the act of 1946.

ARMSTRONG
A
CORK COMPANY

The words "Cork" and "Company" are disclaimed.
FOR RESINOUS, OLEORESINOUS, ASPHALTIC, LIGNIFEROUS, AND CASEIN-LATEX TYPE ADHESIVE PASTES AND ADHESIVE CEMENTS.
Claims use since Dec. 1, 1938.

Ser. No. 542,720. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Oct. 7, 1947.

SANDOFF

Applicant claims ownership of Registration No. 235,445.
FOR GUMMED PAPER TAPE.
Claims use since June 2, 1926.

Ser. No. 542,721. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Oct. 7, 1947. Under section 2f of the act of 1946.

SPONGOFF

Applicant claims ownership of Registration No. 235,446.
FOR GUMMED PAPER TAPE.
Claims use since June 2, 1926.

Ser. No. 553,892. PAGE BELTING COMPANY, Concord, N. H. Filed Mar. 30, 1948.

Crown

Applicant claims ownership of Registrations Nos. 142,691, 142,690, 142,688, 142,693, 141,632, and 143,706.
FOR CEMENT AND WATERPROOF CEMENT FOR USE IN CONNECTION WITH LEATHER BELTS AND ANALOGOUS ITEMS.
Claims use since at least as early as Dec. 31, 1906.

Ser. No. 557,333. AMERICAN GUM PRODUCTS COMPANY, New York, N. Y. Filed May 19, 1948.

GOULAG

Applicant claims ownership of Registration No. 92,500.
FOR ADHESIVE EMPLOYED AS A BINDER OR BONDING AGENT IN THE MANUFACTURE OF CORES, CERAMIC PRODUCTS, BRIQUETS, AND OTHER SHAPES OR MASSES FROM FINELY DIVIDED MATERIAL SUCH AS SAND, CLAY, EARTHS, ORES, AND FUEL.
Claims use since June 15, 1916.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 512,400. GERMAINE RENE DUVAL, Suresnes, France. Filed Feb. 17, 1948; originally filed, act of 1905, Nov. 12, 1946. Under section 2f of the act of 1946.

PARFUMS VOLNAY

Applicant claims ownership of French Registration No. 180,522, dated May 15, 1919.
FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.

Ser. No. 516,821. THE CRAMER CHEMICAL COMPANY, Gardner, Kans. Filed Jan. 28, 1949; originally filed, act of 1905, Feb. 3, 1947.

Atomic Balm

The word "Balm" is disclaimed.
FOR ANALGESIC BALM AND OINTMENT PREPARATIONS.
Claims use since Jan. 9, 1946.

Ser. No. 517,160. B. G. PRATT COMPANY, Hackensack, N. J. Filed Jan. 26, 1948; originally filed, act of 1905, Feb. 7, 1947. Under section 2f of the act of 1946.

PARA-SCALECIDE

Applicant claims ownership of Registration No. 54,343.
FOR CONCENTRATE IN LIQUID FORM FOR THE CONTROL OF PEACH TREE BORER.
Claims use since Sept. 30, 1936.

Ser. No. 528,146. JEANNE PIAUBERT, born Jeanne Quenon, Paris, France. Filed July 8, 1947.



Applicant claims ownership of French Registration No. 401,734, dated Dec. 18, 1946.
FOR PERFUMES, TOILET LOTIONS, FACE POWDERS, LIPSTICKS.

Ser. No. 528,498. BOB MARTIN (EXPORT) LIMITED, Lancashire, England. Filed July 12, 1947.

TIBS

Applicant claims ownership of British Registration No. 501,768, dated Oct. 19, 1938.
FOR VETERINARY PREPARATIONS FOR CATS AND DOGS, TAKEN INTERNALLY.

Ser. No. 529,984. BOLIDENS GRUVAKTIEBOLAG, Skellefteham, Sweden. Filed July 30, 1947.

Applicant claims ownership of Swedish Registration No. 60,942, dated Mar. 8, 1946.
FOR CHEMICAL WOOD PRESERVATIVES, INSECTICIDES, FUNGICIDES, AND BISMUTH SALTS.

Ser. No. 531,675. JAMIESON PHARMACAL COMPANY, Detroit, Mich. Filed Aug. 16, 1947.

PENO-BAR

FOR SODIUM PENTOBARBITAL CAPSULES FOR MEDICINAL USE.
Claims use since May 24, 1940.

Ser. No. 538,056. DAVID RICHARD URAN, Larchmont, N. Y. Filed Oct. 16, 1947.

DRU-SOL

FOR LIQUID MEDICINE TO BE APPLIED FOR EXTERNALLY CAUSED SKIN IRRITATIONS.
Claims use since Jan. 1, 1945.

Ser. No. 542,238. STANLEY HOME PRODUCTS, INC., Westfield, Mass. Filed Aug. 20, 1947. Under section 2f of the act of 1946.

QUALITY PLUS

Applicant claims ownership of Registration No. 368,530.
FOR MOTH REPELLENT, AND DEODORIZING PREPARATIONS.
Claims use since Mar. 15, 1938.

Ser. No. 542,420. AMERICAN MOTH PRODUCTS CORP., New York, N. Y. Filed Nov. 26, 1947.

MOTHMASTER

Applicant claims ownership of Registration No. 246,764.
FOR INSECTICIDES AND MOTHPROOFING AGENTS.
Claims use since Nov. 13, 1947.

Ser. No. 545,857. INTERNATIONAL MINERALS AND CHEMICAL CORPORATION, Chicago, Ill. Filed Dec. 31, 1947.

CHLORASEC

FOR POTASSIUM CHLORATE.
Claims use since Nov. 25, 1947.

Ser. No. 548,172. NATHALIE VON DEZEN, nee Kachkine, Paris, France. Filed Jan. 28, 1948.

ETIMOLOS

The drawing is lined for shading. Applicant claims ownership of French Registration No. 268,299, dated May 1, 1930.
FOR INSECTICIDES, WEEDICIDES, DISINFECTANTS, AND BACTERICIDES FOR APPLICATION TO AND THE PROTECTION OF PLANTS, TREES, AND TIMBER.

Ser. No. 550,129. D'ORSAY PERFUMERIES CORPORATION, New York, N. Y. Filed Feb. 19, 1948.



FOR TOILET WATERS, PERFUMED SACHET IN POWDER FORM, FACE AND TALCUM POWDERS, LIPSTICKS, EYEBROW PENCILS, BATH SALTS, SHAMPOOS, BRILLIANTINES, PERFUME PREPARATIONS, AND PERFUME EXTRACTS.
Claims use since 1912.

Ser. No. 550,296. BEAUTYMASTERS OF BEVERLY HILLS, INC., Milwaukee, Wis. Filed Feb. 21, 1948.

BUDAPEST

FOR BATH OIL.
Claims use since Dec. 3, 1946.

Ser. No. 550,382. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Feb. 24, 1948.

ALLPHOS

FOR PARASITICIDES—NAMELY, INSECTICIDES AND FUNGICIDES; AND HERBICIDES.
Claims use since Jan. 9, 1948.

Ser. No. 554,185. G. H. WOOD & COMPANY LIMITED, Toronto, Ontario, Canada. Filed Apr. 8, 1948.

OZITONE

Applicant claims ownership of Canadian Registration No. N. S. 21,793, dated Dec. 13, 1945.
FOR DEODORANT AND DISINFECTANT FOR HOUSEHOLD AND SIMILAR USES.

Ser. No. 554,322. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Apr. 10, 1948.

HI-GAM

FOR AGRICULTURAL INSECTICIDES USED ON FIELD CROPS AND ACTIVE INGREDIENTS AND CONCENTRATES SOLD FOR FORMULATION OF SUCH INSECTICIDES.
Claims use since Nov. 7, 1947.

Ser. No. 554,841. JACOB L. WAGNER, doing business as Wagner Drug Company, Dayton, Ohio. Filed Apr. 16, 1948.

ALCOMITE

FOR PHARMACEUTICAL PREPARATION FOR TREATING INFECTIONS OF THE SKIN.
Claims use since Mar. 26, 1936.

Ser. No. 555,084. RESIDEX CORPORATION, Newark, N. J. Filed Apr. 20, 1948.

RESIPROOFER

Applicant claims ownership of Registration No. 437,170.
FOR INSECTICIDE.
Claims use since Jan. 29, 1948.

Ser. No. 555,243. BOYLE AND COMPANY, Los Angeles, Calif. Filed Apr. 22, 1948.

Stilbest-ORAL

The word "Oral" is disclaimed.
FOR DIETHYLSTILBESTROL IN TABLET FORM FOR USE IN CASES OF THREATENED OR HABITUAL ABORTION.
Claims use since Sept. 11, 1947.

Ser. No. 555,818. STEPHAN PRODUCTS INC., Worcester, Mass. Filed Apr. 22, 1948. Under section 2f of the act of 1946.

Stephan's

FOR DANDRUFF REMOVER HAIR LOTION AND DANDRUFF REMOVER HAIR LOTION WITH OIL.
Claims use since April 1923.

Ser. No. 555,537. JEWEL TEA CO., INC., Barrington, Ill. Filed Apr. 24, 1948.

U NO ME

FOR CONSUMER SIZED PACKAGES OF TRI-SODIUM PHOSPHATE, WHICH IS USED FOR WATER SOFTENING, WASHING WALLS, AND OTHER HEAVY DUTY HOUSEHOLD CLEANING.
Claims use since April 1934.

Ser. No. 556,615. LAWRENCE MARION AMES, Alexandria, Va. Filed May 10, 1948.

A F O

FOR COMPOSITIONS FOR TREATMENT OF FUNOAL INFESTATIONS OF SKIN AND OF OTHER PARTS OF THE BODY.
Claims use since Aug. 1, 1947.

Ser. No. 557,765. ORGANIC CHEMICALS, INC., Pasadena, Calif. Filed May 25, 1948.

Histex

FOR HISTIDINE COMPOUNDS.
Claims use since Nov. 27, 1947.

Ser. No. 558,395. IDEAL PRODUCTS, INC., Waxahachie, Tex. Filed June 3, 1948.

Trudi

FOR COSMETICS—NAMELY, SHAMPOOS.
Claims use since May 1, 1948.

Ser. No. 558,746. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 8, 1948.

ALLSTATE

FOR CHEMICAL PREPARATIONS USED FOR AUTOMOBILE SUPPLIES—NAMELY, GROUP A, RADIATOR RUST INHIBITOR, RUST PREVENTATIVE, RADIATOR SEALING COMPOUNDS, HYDRAULIC BRAKE FLUID, SHOCK ABSORBER FLUID, RUBBER PRESERVATIVES, FIRE EXTINGUISHING FLUID, LIQUID FOR COATING AND IMPREGNATING TEXTILE FABRICS AND OTHER MATERIALS FOR WATER PROOFING AND PRESERVING PURPOSES; GROUP B, ANTI-FREEZE.
Claims use on Group A Since July 15, 1945; and on Group B since July 15, 1946.

Ser. No. 560,430. ESTELLE WYLEE, INC., New York, N. Y. Filed June 29, 1948.

Keylene

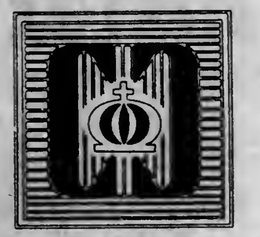
The trade-mark consists of the name "Keylene."
FOR FACE CREAMS, FACE POWDERS, AND LIPSTICKS.
Claims use since Mar. 1, 1948.

Ser. No. 560,991. DOLCIN CORPORATION, New York, N. Y. Filed July 9, 1948.

VERAMBERSIN

FOR MEDICINAL PREPARATION FOR INTERNAL VETERINARY USE IN THE RELIEF OF THE SYMPTOMS OF RHEUMATISM, ARTHRITIS, AND OTHER RHEUMATOID CONDITIONS.
Claims use since July 27, 1947.

Ser. No. 561,292. CARON CORPORATION, New York, N. Y. Filed July 14, 1948.



FOR PERFUME, TOILET WATER, ROUGES, FACE POWDER, TALCUM POWDER, LOTIONS, SACHET POWDERS, AND LIPSTICK.
Claims use since Sept. 10, 1947.

Ser. No. 561,610. CARON CORPORATION, New York, N. Y. Filed July 17, 1948.



The drawing is lined to indicate the color gold.
FOR PERFUME, TOILET WATER, ROUGES, FACE POWDER, TALCUM POWDER, LOTIONS, AND SACHET POWDERS.
Claims use since Sept. 10, 1947.

Ser. No. 561,745. GRANT CHEMICAL CO., INC., New York, N. Y. Filed July 20, 1948.

des

FOR MEDICAL PREPARATION FOR THE PREVENTION AND TREATMENT OF THREATENED AND HABITUAL ABORTION, MISCARRIAGE, AND PREMATURE LABOR.
Claims use since June 22, 1948.

Ser. No. 562,271. M. V: C. LABORATORIES, INC., Toledo, Ohio. Filed July 27, 1948.

Miraglo

Applicant claims ownership of Registration No. 306,610.
FOR MANICURE PREPARATIONS—NAMELY, NAIL POLISH, POLISH REMOVER, CUTICLE REMOVER, CUTICLE OIL, AND HAND CREAM.
Claims use since Dec. 27, 1932.

Ser. No. 563,529. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed June 14, 1948.



FOR TOILET LOTIONS, FACE AND SKIN CREAMS, PERFUMES, FACE POWDERS, RUBBING ALCOHOLS, OINTMENTS FOR THE ALLEVIATION OF SUNBURN, MUSCLE OILS, ROUGE, LIP PENCILS, LIPSTICKS,

LIP SALVE, EYEBROW PENCILS, EYESHADOW, LIP PASTE, HAIR TONIC, HAIR OINTMENTS, HAIR POMADE, SHAMPOOS, BATH SALTS, DEPILATORIES, TALCUM AND BATH POWDERS, AND COLOGNE.
Claims use since Jan. 2, 1910.

Ser. No. 563,632. THE PURE OIL COMPANY, Chicago, Ill. Filed Aug. 17, 1948. Under section 2f of the act of 1946.

PURE

Applicant claims ownership of Registrations Nos. 343,233, 343,649, 343,650, 343,651, 343,805, and 349,765.
FOR AUTOMOBILE RADIATOR COOLING SYSTEM CHEMICAL CLEANER, AUTOMOBILE COOLING SYSTEM SEALER, AUTOMOBILE COOLING SYSTEM ANTI-RUST, INSECT SPRAY (INSECTICIDE), RADIATOR ANTI-FREEZE, AND HYDRAULIC BRAKE FLUID.
Claims use since Apr. 1, 1937.

Ser. No. 563,887. WEEKS & LEO COMPANY, INCORPORATED, Des Moines, Iowa. Filed Aug. 20, 1948.

void

FOR DEODORANT CREAM.
Claims use since May 1946.

Ser. No. 563,929. INTERSTATE SALES COMPANY, Waco, Tex. Filed Aug. 24, 1948.

DREAM HAVEN

FOR PERFUMED SACHET CREAM.
Claims use since Mar. 16, 1948.

Ser. No. 563,947. NATIONAL FOAM SYSTEM, INC., Philadelphia, Pa. Filed Aug. 24, 1948.

NATWET

FOR PREPARATION FOR INCREASING THE SPREADING AND PENETRATING QUALITIES OF WATER.
Claims use since Apr. 14, 1948.

Ser. No. 564,174. WESTVACO CHEMICAL CORPORATION, now by merger to Food Machinery and Chemical Corporation, New York, N. Y. Filed Aug. 25, 1948.

FOSKLOR

Applicant claims ownership of Registration No. 338,671.
FOR CHLORINATED PHOSPHATIC COMPOUND USED AS A BACTERICIDE, DISINFECTANT, AND GERMICIDE.
Claims use since Apr. 18, 1936.

CLASS 7

CORDAGE

Ser. No. 547,620. CATINO ROPE WORKS, INC., Maspeth, New York, N. Y. Filed Jan. 21, 1948.



The trade-mark consists of two blue yarns separated by a yarn of the natural color, arranged longitudinally in one of the strands of the rope and appearing at intervals on the surface of the completed rope. No claim is made to the exclusive use of the representation of the rope apart from the mark.
FOR MANILA AND SISAL ROPE.
Claims use since Apr. 14, 1934.

Ser. No. 552,384. AMERICAN MANUFACTURING COMPANY, Brooklyn, N. Y., and Boston, Mass. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

LENNOX

Applicant claims ownership of Registration No. 152,045.
FOR ROPE, CORD, AND TWINE MANUFACTURED FROM VEGETABLE FIBRE.
Claims use since Jan. 1, 1900.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 534,053. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Sept. 10, 1947. Under section 2f of the act of 1946.

SHUR SHOT

The word "Shot" is disclaimed apart from the mark as shown on the drawing.
FOR AMMUNITION—PARTICULARLY FIXED AMMUNITION FOR SMALL ARMS AND COMPONENTS THEREOF.
Claims use since Nov. 20, 1926.

CLASS 10

FERTILIZERS

Ser. No. 561,201. EDWIN G. LEARNARD, Great Neck, N. Y. Filed July 12, 1948.

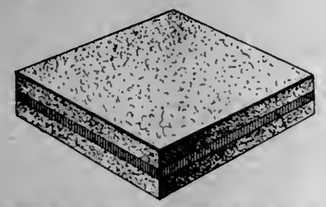
Mineralite

FOR FERTILIZER COMPOSITION.
Claims use since Oct. 15, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 499,490. THE FELTERS COMPANY, Boston, Mass. Filed Sept. 25, 1947; originally filed, act of 1905, Apr. 2, 1946.



No claim is made to the representation of the goods apart from the mark.
FOR VIBRATION ABSORBING MATERIALS FOR ACOUSTIC INSULATION, MECHANICAL INSULATION, AND SIMILAR PURPOSES.
Claims use since Feb. 14, 1946.

Ser. No. 500,725. AMERICAN CRUCIBLE COMPANY, North Haven, Conn. Filed July 16, 1947; originally filed, act of 1905, Apr. 23, 1946.

STARRFRAC

FOR REFRACTORIES—NAMELY, SECTIONAL AND ONE-PIECE LININGS, COVERS, BASE BLOCKS, SAGGERS, CONTAINERS, AND CONDENSERS, WHICH IN USE ARE SUBJECTED TO HIGH TEMPERATURES AND WHICH MAY FORM OR BE INCORPORATED IN OR USED IN CONNECTION WITH HEATING CHAMBERS AND FURNACES, AND WHICH ARE CLAY BONDED AND CONTAIN AS AN ESSENTIAL INGREDIENT SILICON CARBIDE.
Claims use since Dec. 4, 1945.

Ser. No. 533,635. STAR EXPANSION PRODUCTS COMPANY, New York, N. Y. Filed Sept. 5, 1947. Under section 2f of the act of 1946.

STAR STRIP-EASY

Applicant claims ownership of Registrations Nos. 389,949, 42,909, 391,079, 392,515, and 393,102.
FOR CONCRETE FORM TIES.
Claims use since June 1, 1939.

Ser. No. 534,408. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Sept. 13, 1947.

TRAVERTONE

FOR MINERAL WOOL ACOUSTICAL TILE.
Claims use since July 25, 1947.

Ser. No. 538,896. CORRY-JAMESTOWN MANUFACTURING CORPORATION, Corry, Pa. Filed Oct. 24, 1947.

INSUL-VENT

The word "Vent" is disclaimed apart from the mark as shown.
FOR WINDOWS, WINDOW FRAMES, WINDOW SCREENS, FRAMED COMBINATION STORM AND SCREEN SASH.
Claims use since Sept. 23, 1947.

Ser. No. 545,575. CARR, ADAMS & COLLIER COMPANY, Dubuque, Iowa. Filed Dec. 27, 1947. Under section 2f of the act of 1946.

BILT WELL

Applicant claims ownership of Registrations Nos. 141,030 anud 388,175.
FOR FABRICATED WOODWORK—VIZ., FIREPLACE MANTLES, STAIR WORK, STAIR PARTS, CASEMENTS AND FRAMES THEREFOR, WINDOW FRAMES, COMBINATION (STORM AND SCREEN) DOORS, ENTRANCES, DOORS AND FRAMES THEREFOR, GARAGE DOORS, GABLE SASH AND LOUVRES AND FRAMES THEREFOR, AND WINDOW AND DOOR SCREENS.
Claims use since March 1920.

Ser. No. 547,580. THE TECHKOTE COMPANY, Inglewood, Calif. Filed Jan. 20, 1948.

Meet the Specs with SEALTEX

The words "Meet the Specs With" are disclaimed.
FOR CONCRETE CURING COMPOUNDS.
Claims use since Nov. 17, 1947.

Ser. No. 553,037. VOORHEES RUBBER MFG. CO., INC., New York, N. Y. Filed Mar. 25, 1948. Under section 2f of the act of 1946.

VOORHEES

Applicant claims ownership of Registration No. 170,255.
FOR RUBBER FLOORING IN TILE AND SHEET FORM.
Claims use since 1898.

Ser. No. 553,038. VOORHEES RUBBER MFG. CO., INC., New York, N. Y. Filed Mar. 25, 1948. Under section 2f of the act of 1946

VOORHEES RUBBER MFG. CO. INC.

Applicant claims ownership of Registration No. 170,255.
FOR RUBBER FLOORING IN TILE AND SHEET FORM.
Claims use since 1920.

Ser. No. 556,277. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio. Filed May 5, 1948. Under section 2f of the act of 1946.

Carey stone

Applicant claims ownership of Registrations Nos. 105,340 and 134,525.
FOR ASBESTOS AND CEMENT COMPOSITION BOARD FOR BUILDING PURPOSES.
Claims use since July 1, 1942.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 517,081. NATIONAL PRESSURE COOKER COMPANY, Eau Claire, Wis. Filed Sept. 3, 1947; originally filed, act of 1905, Feb. 6, 1947.

Presto

Applicant claims ownership of Registrations Nos. 884,941 and 506,813.
FOR ADJUSTABLE DIVIDERS FOR USE IN SEPARATELY COOKING DIFFERENT FOODS IN A SINGLE COOKING VESSEL.
Claims use since Jan. 6, 1947.

Ser. No. 518,657. COLUMBIAN ENAMELING & STAMPING CO., INC., Terre Haute, Ind. Filed Jan. 5, 1948; originally filed, act of 1905, Mar. 7, 1947.

COLONIAL ENAMEL WARE

The words "Enamel Ware" are disclaimed apart from the mark. Applicant claims ownership of Registration No. 92,045 (expired).
FOR ENAMEL COATED METALLIC COOKING POTS AND KETTLES, TEA-KETTLES, DOUBLE BOILERS, DISH PANS, SAUCE PANS, REFRIGERATOR PANS, PERCOLATORS, AND DRIP COFFEE MAKERS.
Claims use since Jan. 1, 1911.

Ser. No. 528,091. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass. Filed July 7, 1947. CONCURRENT USE for the area comprising the whole of the United States and its Territories except the States of California, Oregon, and Washington.

WEDJIT

FOR METALLIC PLATE AND STUD FASTENER FOR ATTACHMENT TO FLOORS, WALLS, AND THE LIKE, AND FOR USE IN ANCHORING EQUIPMENT, ELEMENTS OF CARGO AND THE LIKE, THERETO.
Claims use since Oct. 31, 1946.

Ser. No. 528,092. ADAMS RITE MANUFACTURING COMPANY, Glendale, Calif. Filed July 7, 1947. CONCURRENT USE for the area comprising the States of California, Oregon, and Washington.

WEDJIT

FOR METALLIC PLATE AND STUD FASTENER FOR ATTACHMENT TO FLOORS, WALLS, AND THE LIKE, AND FOR USE IN ANCHORING EQUIPMENT, ELEMENTS OF CARGO AND THE LIKE, THERETO.
Claims use since Dec. 18, 1945.

Ser. No. 539,088. SHEFFIELD STEEL CORPORATION, Kansas City, Mo. Filed Oct. 25, 1947. Under section 2f of the act of 1946.

SHEFFIELD

FOR BALE TIES, WIRE FENCE, BARB WIRE, FENCE WIRE, BOLTS, SPIKES, RIVETS, NAILS, TACKS, AND BRADS.
Claims use since about 1915 in connection with bolts; since on or about Mar. 1, 1925, in connection with spikes and rivets; and since on or about Apr. 1, 1928, in connection with bale ties, wire fence, wire, nails, tacks, and brads.

Ser. No. 540,732. STANDARD PRESSED STEEL CO., Jenkintown, Pa. Filed Nov. 10, 1947.

"UNBRAKO"

Applicant claims ownership of Registration No. 301,583.
FOR DOWEL PINS, HEXAGON KEYS FOR USE WITH VARIOUS TYPES OF SOCKET SCREWS, AND FLAT-HEAD CAP SCREWS.
Claims use since 1921.

Ser. No. 549,303. TRI-CLOVER MACHINE CO., Kenosha, Wis. Filed Feb. 10, 1948.

Zephyrweld

FOR METAL TUBING AND FABRICATED METAL FITTINGS—NAMELY, ELBOWS, T's, Y's, CROSSES, LATERALS, REDUCERS, CAPS, THREADED ADAPTERS, AND RETURN BENDS.
Claims use since August 1946.

Ser. No. 549,304. TRI-CLOVER MACHINE CO., Kenosha, Wis. Filed Feb. 10, 1948.

Zephyrweld

FOR METAL TUBING AND FABRICATED METAL FITTINGS—NAMELY, ELBOWS, T's, Y's, CROSSES, LATERALS, REDUCERS, CAPS, THREADED ADAPTERS, AND RETURN BENDS.
Claims use since August 1946.

Ser. No. 549,311. WASHINGTON WOODCRAFT CORP., Washington, N. J. Filed Feb. 10, 1948.

Capitol ★

FOR TOILET SEATS.
Claims use since Jan. 1, 1948.

Ser. No. 549,916. FAULTLESS CASTER CORPORATION, Evansville, Ind. Filed Feb. 17, 1948. Under section 2f of the act of 1946.

Faultless

Applicant claims ownership of Registration No. 144,117.
FOR CASTERS FOR FURNITURE AND THE LIKE.
Claims use since Jan. 1, 1896.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 537,934. THE P. & M. COMPANY, Chicago, Ill., assignor to Poor & Company, Chicago, Ill., a corporation of Delaware. Filed Oct. 15, 1947. Under section 2f of the act of 1946.

FAIR

Applicant claims ownership of Registrations Nos. 89,292, 177,413, 122,226, 161,826, and 197,774.
FOR RAIL ANCHORS.
Claims use since Mar. 10, 1926.

Ser. No. 537,935. THE P. & M. COMPANY, Chicago, Ill., assignor to Poor & Company, Chicago, Ill., a corporation of Delaware. Filed Oct. 15, 1947. Under section 2f of the act of 1946.

FAIR

Applicant claims ownership of Registrations Nos. 89,292, 177,413, 122,226, 161,826, and 197,774.
FOR RAIL ANCHORS.
Claims use since Nov. 19, 1940.

Ser. No. 554,904. METALS & CONTROLS CORPORATION, Attleboro, Mass. Filed Apr. 17, 1948.

ALCUPLATE

FOR LAMINATED METALS IN SHEET, TUBE, AND WIRE FORM.
Claims use since Dec. 8, 1944.

Ser. No. 560,927. SCHUYLKILL PRODUCTS COMPANY, INC., Baton Rouge, La. Filed July 8, 1948.

BAROLA

FOR LEAD INGOTS AND LEAD PIGS.
Claims use since Sept. 15, 1947.

CLASS 15

OILS AND GREASES

Ser. No. 521,306. J. W. SPEAKER CORPORATION, Milwaukee Wis. Filed Apr. 16, 1948; originally filed, act of 1905, Apr. 23, 1947.

fretone

FOR MOTOR TUNE-UP OIL.
Claims use since Dec. 1, 1938.

Ser. No. 535,677. BAYOU STATE OIL CORPORATION, Shreveport, La. Filed Sept. 25, 1947.

Bio-Prēm

The word "Prēm" is disclaimed. Applicant claims ownership of Registrations Nos. 337,226, 392,426, and 439,139.
FOR LUBRICATING OIL FOR DIESEL ENGINES.
Claims use since Aug. 23, 1947.

Ser. No. 548,631. BARNO OIL COMPANY, Wilmington, Del. Filed Feb. 3, 1948.

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FOR TOP CYLINDER OIL—NAMELY, A LUBRICANT FOR LUBRICATING THE VALVES AND UPPER PORTIONS OF CYLINDERS IN INTERNAL COMBUSTION ENGINES.
Claims use since March 1928.

Ser. No. 551,548. ESSO STANDARD OIL COMPANY, Wilmington, Del., and New York, N. Y. Filed Mar. 9, 1948. Under section 2f of the act of 1946.

BASEKOTE

Applicant claims ownership of Registration No. 406,500.
FOR LUBRICATING GREASE.
Claims use since Mar. 7, 1939.

Ser. No. 552,257. THE NATIONAL REFINING COMPANY, Cleveland, Ohio. Filed Mar. 16, 1948.

EN-AR-CO

Applicant claims ownership of Registrations Nos. 103,859, 372,212, 374,742, 394,358, 397,671, and 401,682.
FOR LUBRICATING OIL AND GREASE.
Claims use since December 1930.

Ser. No. 554,148. PENNSYLVANIA REFINING COMPANY, Butler, Pa. Filed Apr. 8, 1948.

DRAKEOIL

FOR WHITE MINERAL OILS USED AS LUBRICANTS.
Claims use since February 1938.

Ser. No. 554,534. TIDE WATER ASSOCIATED OIL COMPANY, New York, N. Y. Filed Apr. 13, 1948.

TYCOL

APACYL

Applicant claims ownership of Registrations Nos. 197,753 and 248,570.
FOR LUBRICATING OIL.
Claims use since Jan. 2, 1948.

Ser. No. 554,575. F. L. JACOSS CO., Detroit, Mich. Filed Apr. 14, 1948.

LUBROPAK

Applicant claims ownership of Registration No. 308,239.
FOR LUBRICATING OIL COMPOUNDS FOR LEAF SPRINGS.
Claims use since June 21, 1933.

Ser. No. 555,463. TIDE WATER ASSOCIATED OIL COMPANY, New York, N. Y. Filed Apr. 23, 1948.

TYCOL

AUDUBON

Applicant claims ownership of Registrations Nos. 197,753 and 248,570.
FOR LUBRICATING OIL.
Claims use since Jan. 13, 1948.

Ser. No. 556,963. THE HODSON CORPORATION, Chicago, Ill. Filed May 13, 1948.

NONSEPARA

FOR LUBRICATING OIL.
Claims use since Dec. 12, 1938.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 531,589. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis. Filed Aug. 16, 1947. Under section 2f of the act of 1946.

HARLEY-DAVIDSON

Applicant claims ownership of Registration No. 271,164.
FOR SYNTHETIC ENAMELS, VARNISH, AND CLEANERS AND POLISHERS FOR FINISHED ENAMELED SURFACES.
Claims use since Dec. 1, 1911.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 540,784. CUBAN CIGAR COMPANY, Denver, Colo. Filed Nov. 12, 1947.

M&O

FOR CIGARS.
Claims use since September 1918.

Ser. No. 541,330. LEWIS OSTERWEIS & SONS, New Haven, Conn. Filed Nov. 15, 1947.

KNICKERBOCKERS

FOR CIGARS.
Claims use since 1860.

Ser. No. 543,526. ROSSI CIGAR COMPANY, INC., Oakland, Calif. Filed Dec. 5, 1947.

TOSCANELLI

Applicant claims ownership of Registration No. 268,250.
FOR CIGARS.
Claims use since June 1, 1929.

Ser. No. 543,527. ROSSI CIGAR COMPANY, INC., Oakland, Calif. Filed Dec. 5, 1947.

TOSCANETTI

Applicant claims ownership of Registration No. 845,374.
FOR CIGARS.
Claims use since Apr. 28, 1936.

Ser. No. 550,876. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y. Filed Feb. 28, 1948.

ROOSTER



FOR SNUFF.
Claims use since Dec. 1, 1911.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 520,686. CORNELL-DUBILIER ELECTRIC CORPORATION, South Plainfield, N. J. Filed Feb. 17, 1948; originally filed, act of 1905, Apr. 15, 1947. Under section 2f of the act of 1946.

CORNELL-DUBILIER CD CAPACITORS

The word "Capacitors" is disclaimed apart from the mark as shown.
FOR ELECTRICAL CONDENSERS.
Claims use since Sept. 5, 1941.

Ser. No. 528,777. EMERSON RADIO AND PHONOGRAPH CORPORATION, New York, N. Y. Filed July 17, 1947. Under section 2f of the act of 1946.

Emerson Radio and Television

No claim is made to the exclusive right to the representation of the goods shown as a part of the mark and the words "Radio and Television" apart from the mark as shown.
FOR RADIO RECEIVING SETS, ELECTRIC PHONOGRAPHS, TELEVISION RECEIVING SETS, COMBINATION PHONOGRAPH AND RADIO AND TELEVISION RECEIVING SETS, AND PARTS OF ALL THE FOREGOING.
Claims use since May 14, 1948.

Ser. No. 537,502. RADIO ENGINEERING LABORATORIES, INC., Long Island City, N. Y. Filed Oct. 10, 1947.

REL FM

The letters "F M" are disclaimed. Applicant claims ownership of Registration No. 247,272.
FOR FREQUENCY MODULATED RADIO RECEIVERS.
Claims use since June 13, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 527,768. TALON, INC., Meadville, Pa. Filed July 5, 1947.

HOOKLESS

Applicant claims ownership of Registrations Nos. 198,412 and 271,680.
FOR TENNIS-RACKET COVERS, GOLF BAGS, AND BOWLING BALL BAGS.
Claims use since Nov. 7, 1929.

Ser. No. 538,873. BRONSON REEL COMPANY, Bronson, Mich., now by change of name B. R. Company, assignor to McAleer Manufacturing Company, Rochester, Mich., a corporation of Michigan. Filed Oct. 24, 1947.

FLEETWING

FOR FISHING REELS.
Claims use since November 1935.

Ser. No. 539,795. HARRY M. WOLFE, Chicago, Ill. Filed Oct. 31, 1947.

"BIG 8"

FOR GAME TABLES—NAMELY, POKER TABLES.
Claims use since July 1946.

Ser. No. 551,125. MIDWEST INDUSTRIES, INC., Cleveland, Ohio. Filed Mar. 3, 1948.



The drawing is lined for the colors blue and yellow.
FOR ROLLER SKATES.
Claims use since Feb. 9, 1948.

Ser. No. 552,789. LONG ISLAND FISH LINE CO., INC., Farmingdale, N. Y. Filed Mar. 23, 1948.

GOLDEN HARP

FOR FISHING LINES.
Claims use since Jan. 19, 1948.

Ser. No. 552,988. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Mar. 25, 1948.

GOLD DIAMOND

FOR BILLIARD BALLS.
Claims use since May 21, 1947.

Ser. No. 554,102. THE ELECTRIC GAME COMPANY, doing business as The Holyoke Game Co., Holyoke, Mass. Filed Apr. 8, 1948.

DRAGON'S TEETH

FOR BOARD GAME WITH MOVABLE PIECES.
Claims use since Jan. 5, 1948.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 493,610. LINCOLN STEEL WORKS, Lincoln, Nebr. Filed Aug. 18, 1947; originally filed, act of 1905, Dec. 20, 1945. Under section 2f of the act of 1946 as to Lincoln.

LINCOLN *Armor-Edge* BLADES

No claim is made to the words "Armor-Edge Blades" apart from the mark as shown.
FOR GRADER BLADES AND CUTTING EDGES.
Claims use since Feb. 1, 1940.

Ser. No. 514,252. CIRCO PRODUCTS COMPANY, Cleveland, Ohio. Filed Jan. 28, 1948; originally filed, act of 1905, Dec. 14, 1946.

Circo Clipper

FOR DEGREASERS, I. E., APPARATUS FOR CIRCULATING A SOLVENT AND/OR SOLVENT VAPOR OVER GREASE LADEN ARTICLES, AND MECHANISM FOR THE RECOVERY OF THE SOLVENT SO USED, AND WHICH DEGREASING APPARATUS, MECHANISM AND SOLVENT ARE ENCLOSED IN A TANK, RESERVOIR OR CONTAINER.
Claims use since Nov. 2, 1946.

Ser. No. 514,691. COLUMBIAN ROPE COMPANY, Auburn, N. Y. Filed Feb. 2, 1948; originally filed, act of 1905, Dec. 23, 1946.

COROCO CONTACT WHEEL

The line shading in the drawing indicates the colors red and blue, and no claim is made to exclusive rights in the words "Contact Wheel" apart from the mark. Applicant claims ownership of Registrations Nos. 87,854, 301,590, and 365,258.
FOR WHEELS MADE OF FIBER FOR SUPPORTING ENDLESS ABRASIVE BANDS OR BELTS IN ABRADING MACHINES.
Claims use since Apr. 4, 1946.

Ser. No. 516,417. WILLIAM ISENBERG, doing business under the assumed name of Columbia Razor Blade Company, Los Angeles, Calif. Filed Feb. 2, 1948; originally filed, act of 1905, Jan. 27, 1947.

Hollywood

FOR RAZOR BLADES.
Claims use since Dec. 16, 1946.

Ser. No. 526,985. DODGE MANUFACTURING CORPORATION, Mishawaka, Ind. Filed July 5, 1947. Under section 2f of the act of 1946.

BronZoil

FOR PILLOW BLOCK BEARINGS HAVING POROUS BRONZE BUSHINGS.
Claims use since Dec. 31, 1932.

Ser. No. 547,492. THE STAPLES TOOL COMPANY, Cincinnati, Ohio. Filed Jan. 19, 1948.

ECONOCUT

FOR CARBIDE TIPPED REAMERS.
Claims use since Sept. 1, 1947.

Ser. No. 549,561. MCGILL MANUFACTURING COMPANY, INC., Valparaiso, Ind. Filed Feb. 12, 1948.

MULTIROL

Applicant claims ownership of Registration No. 322,787.
FOR ANTI-FRICTION BEARINGS.
Claims use since Sept. 6, 1934.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 530,417. MODERN OPTICS, INC., Houston, Tex. Filed Aug. 4, 1947.

AKRO

FOR MULTI-FOCAL SPECTACLE LENSES AND LENS BLANKS.
Claims use since June 25, 1946.

Ser. No. 534,416. CONTINENTAL OPTICAL COMPANY, INC., Indianapolis, Ind. Filed Sept. 13, 1947.

KUROVA

Applicant claims ownership of Registration No. 155,269.
FOR OPTHALMIC LENSES.
Claims use since Aug. 15, 1921.

Ser. No. 543,310. MASTER RULE MANUFACTURING CO., INC., White Plains, N. Y. Filed Dec. 4, 1947. Under section 2f of the act of 1946.

Brite-Blade

Applicant claims ownership of Registration No. 385,907.
FOR RULES, FOLDING RULES, AND EXTENSION RULES.
Claims use since July 1939.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 560,218. RING WATCH COMPANY OF AMERICA, INC., New York, N. Y. Filed June 25, 1948.

Tosca

FOR WATCHES.
Claims use since May 1, 1948.

Ser. No. 560,831. GENERAL TIME INSTRUMENTS CORPORATION, New York, N. Y., and Thomaston, Conn. Filed June 28, 1948.

S.T.

Applicant claims ownership of Registration No. 68,894.
FOR CLOCKS.
Claims use since Dec. 26, 1876.

Ser. No. 563,373. AARON STERN, New York, N. Y. Filed Aug. 13, 1948.

GARON

FOR WATCHES.
Claims use since June 9, 1948.

Ser. No. 563,602. BUTLER BROTHERS, Chicago, Ill. Filed Aug. 17, 1948.

BREAK-O-DAY

FOR CLOCKS.
Claims use since 1915.

Ser. No. 564,443. FABRIQUE D'HORLOGERIE CHS. TISSOT & FILS SOCIETE ANONYME, Le Locle, Switzerland. Filed Aug. 31, 1948. Under section 2f of the act of 1946.

Tissot

Applicant claims ownership of Swiss Registration No. 74,787 dated Apr. 11, 1931; and of United States Registrations Nos. 258,185, 263,633, and 344,103.
FOR WATCHES, CLOCKS, WATCH AND CLOCK MOVEMENTS, AND PARTS THEREOF.
Claims use since Apr. 11, 1931.

Ser. No. 564,444. FABRIQUE D'HORLOGERIE CHS. TISSOT & FILS SOCIETE ANONYME, Le Locle, Switzerland. Filed Aug. 31, 1948. Under section 2f of the act of 1946.

TISSOT
LOCLE

Applicant claims ownership of United States Registrations Nos. 258,185, 263,033, and 344,103; and Switzerland Registration No. 48,969 dated Feb. 23, 1921.
FOR WATCHES, CLOCKWORKS, DIALS, AND WATCHCASES.
Claims use since Feb. 23, 1921.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 549,972. SCHÄFER-NICHOLSON INC., Utica, N. Y. Filed Feb. 17, 1948.

Teena Little

FOR COSTUME JEWELRY MADE OF PLASTIC.
Claims use since Jan. 17, 1947.

Ser. No. 561,150. SPEIDEL CORPORATION, Providence, R. I. Filed July 10, 1948.

GOLDEN CHORD

The word "Golden" is disclaimed apart from the mark.
FOR BRACELETS (NOT INCLUDING WATCHES).
Claims use since May 26, 1948.

Ser. No. 561,825. DAVID GRAO COMPANY, New York, N. Y. Filed July 21, 1948.

Starlooms

FOR COSTUME JEWELRY, I. E., BRACELETS, PENDANTS, NECKLACES, EARRINGS, AND FOBS.
Claims use since July 15, 1948.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 546,971. DETREX CORPORATION, Detroit, Mich. Filed Jan. 14, 1948.

DETREX

FOR FILTER BAGS; BAG TYPE AND LEAF TYPE FILTERS FOR REMOVING SOLID INSOLUBLE PARTICLES FROM SOLVENTS AND SIMILAR LIQUIDS.
Claims use since Nov. 17, 1936.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 540,289. S. KARPEN & BROS., Huntington Park, Calif. Filed Nov. 6, 1947.

California Manor

No claim is made to the word "California" apart from the mark as shown.
FOR FURNITURE—NAMELY, UPHOLSTERED CHAIRS, SOFAS, DAVENPORTS, SETTEES, CHAIRS, ARM CHAIRS, ROCKERS, TABLES, DESKS, END TABLES, COCKTAIL TABLES, LOUNGES, CHAISES LONGUES, COUCHES, BEDSTEADS, HEADBOARDS, DAY BEDS, MATTRESSES, UPHOLSTERED AND BOX SPRINGS, MATTRESS SPRINGS, LAMPSTANDS, BUFFETS, CHESTS, CHESTS OF DRAWERS, VANITIES, MIRRORS, SIDEBOARDS, BOOKSHELVES, STOOLS, BED BENCHES.
Claims use since June 1, 1946.

Ser. No. 552,155. THE MALLON MATTRESS CORPORATION, Boston, Mass. Filed Mar. 17, 1948.

Rest-On-Air

FOR MATTRESSES AND UPHOLSTERED BOX SPRINGS AND CRIB MATTRESSES.
Claims use since June 12, 1941.

CLASS 33

GLASSWARE

Ser. No. 537,054. LIBBEY-OWENS-FORD GLASS COMPANY, Toledo, Ohio. Filed Oct. 7, 1947. Under section 2f of the act of 1946.

COLOR CLEAR

Applicant claims ownership of Registration No. 351,032.
FOR PLATE AND SHEET GLASS.
Claims use since July 17, 1936.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 507,744. THE C. A. OLSEN MANUFACTURING COMPANY, Elyria, Ohio. Filed Oct. 24, 1947; originally filed, act of 1905, Aug. 21, 1946.

Luxaire

FOR GRAVITY AND FORCED AIR GAS, OIL, AND COAL FURNACES.
Claims use since Mar. 1, 1940.

Ser. No. 539,700. HOLYOKE HEATER CORPORATION, Springfield, Mass. Filed Oct. 31, 1947.



The drawing is lined for the color red.
FOR HOT WATER HEATERS.
Claims use since 1916.

Ser. No. 549,382. THE FOUNDRY EQUIPMENT COMPANY, Cleveland, Ohio. Filed Nov. 20, 1947. Under section 2f of the act of 1946.

SWARTWOUT

Applicant claims ownership of Registration No. 374,506.
FOR INDUSTRIAL OVENS AND PARTS THEREOF.
Claims use since 1922.

Ser. No. 555,040. THE ANTHONY COMPANY, Long Island, N. Y. Filed Apr. 20, 1948.

ANTHONY

Applicant claims ownership of Registration No. 146,631.
FOR COAL, LIQUID-FUEL, AND GAS-BURNERS, FORGES, COAL, LIQUID-FUEL, AND GAS FURNACES, OVENS, AND TORCHES.
Claims use since May 1, 1910.

Ser. No. 555,304. ROBBINS & MYERS, INC., Springfield, Ohio. Filed Apr. 22, 1948. Under section 2f of the act of 1946.

Robbins & Myers

FOR ATTIC FANS AND KITCHEN FANS.
Claims use since Jan. 1, 1898.

Ser. No. 555,407. HAMILTON INDUSTRIES, Chicago, Ill. Filed Apr. 23, 1948.

GLASSTEX

FOR LAMP SHADES.
Claims use since January 1938.

Ser. No. 555,631. SECO-LITE MANUFACTURING COMPANY, St. Louis, Mo. Filed Apr. 26, 1948.

SECO

FOR ELECTRIC COOLING AND VENTILATING FANS.
Claims use since June 1, 1938.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 547,218. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Jan. 16, 1948. Under section 2f of the act of 1946.

AMERICANK BRAKEBLOK

Applicant claims ownership of Registrations Nos. 270,256, 296,390, 351,016, 351,017, 362,651, 368,614, and 403,270.
FOR COMPOSITION FRICTIONAL ELEMENTS FOR BRAKES.
Claims use since June 23, 1931.

Ser. No. 547,220. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Jan. 16, 1948. Under section 2f of the act of 1946.

AMERICAN BRAKEBLOKS

Applicant claims ownership of Registrations Nos. 270,256, 296,390, 351,016, 351,017, 362,651, 368,614, and 403,270.
FOR COMPOSITION FRICTIONAL ELEMENTS FOR BRAKES AND CLUTCHES.
Claims use since Nov. 22, 1926.

Ser. No. 550,619. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 26, 1948.

KENMORE

Applicant claims ownership of Registration No. 333,253.
FOR SEWING MACHINE BELTS.
Claims use since Dec. 7, 1936.

Ser. No. 561,226. THE H. O. CANFIELD CO., Bridgeport, Conn. Filed July 13, 1948.

PRO-LINE

The word "Line" is disclaimed. The drawing is lined for shading.
FOR FLAT BIBB, BEVELED BIBB, SYPHON, TANK AND SPUD WASHERS MADE OF NON-METALLIC AND/OR A COMBINATION OF METALLIC AND NON-METALLIC MATERIALS; BATH, SINK, AND BASIN GASKETS.
Claims use since December 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 495,703. TEMPO RECORD COMPANY OF AMERICA, Hollywood, Calif., and Philadelphia, Pa., assignee of Technical Research of America. Filed Dec. 22, 1947; originally filed, act of 1905, Jan. 30, 1946.

TEMPO

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since April 1938.

Ser. No. 510,412. WHITE-GERLAT COMPANY, Racine, Wis. Filed Dec. 26, 1947; originally filed, act of 1905, Oct. 7, 1946.

VIBRIANO

FOR ELECTRICALLY OPERATED VIBRATO PRODUCING ATTACHMENT FOR MUSICAL INSTRUMENTS.
Claims use since Dec. 4, 1945.

Ser. No. 521,357. DON NOBLE & COMPANY, INC., Chicago, Ill. Filed Feb. 25, 1949; originally filed, act of 1905, Apr. 25, 1947. Under section 2f of the act of 1946.

Noble

FOR PIANO ACCORDIONS.
Claims use since September 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 503,622. ADAMAR ACCOUNTING SYSTEMS, Jeannette, Pa. Filed Mar. 2, 1948; originally filed, act of 1920, June 11, 1946.

ADAMAR

FOR PARTIALLY PRINTED ACCOUNTING FORMS, AND A COMBINATION ENVELOPE AND BUSINESS FORM.
Claims use since Feb. 1, 1946.

Ser. No. 504,886. DENNISON MANUFACTURING COMPANY, Framingham, Mass. Filed Mar. 3, 1948; originally filed, act of 1905, July 1, 1946. Under section 2f of the act of 1946.

PRES-a-ply

FOR BLANK AND PARTIALLY PRINTED LABELS.
Claims use since October 1941.

Ser. No. 506,516. EVERSHARP, INC., Chicago, Ill. Filed Dec. 18, 1947; originally filed, act of 1905, July 30, 1946.

LUPA

FOR FOUNTAIN PENS.
Claims use since July 19, 1946.

Ser. No. 506,548. ACME VISIBLE RECORDS, INC., Chicago, Ill. Filed Feb. 16, 1948; originally filed, act of 1905, July 31, 1946. Under section 2f of the act of 1946.

SUPER VISIBLE

Applicant claims ownership of Registrations Nos. 356,525 and 415,730.
FOR RECORD FILES MADE OF PAPER, VISIBLE CARD INDEX SYSTEMS, INDEX CARDS, POCKET ATTACHMENTS FOR RECORD CARDS, AND INDEX CARD SIGNALS.
Claims use since October 1939.

Ser. No. 521,824. ROCKWELL-BARNES COMPANY, Chicago, Ill. Filed Apr. 16, 1948; originally filed, act of 1905, May 3, 1947.

ROCK-Elite

FOR LETTER TRAYS AND CARD INDEX GUIDES.
Claims use since Sept. 26, 1946.

Ser. No. 525,810. A. W. FABER-CASTELL PENCIL CO., INC., Newark, N. J. Filed Oct. 25, 1947; originally filed, act of 1905, July 3, 1947.

Hamlet

The term "Hamlet" is the name of a Shakespearean character.
FOR RUBBER ERASERS AND BLACKBOARD ERASERS, LEAD PENCILS (WOOD ENCASED), CRAYON PENCILS, SLATE PENCILS, AND MECHANICAL PENCILS, CRAYONS, RUBBER BANDS, PEN HOLDERS, PEN POINTS, AND FOUNTAIN PENS.
Claims use since October 1921.

Ser. No. 533,982. BOORUM & PEASE COMPANY, Brooklyn, N. Y. Filed Sept. 10, 1947.

GLIDE ARCH

FOR LOOSE LEAF RING BOOK COVERS.
Claims use since Mar. 19, 1941.

Ser. No. 547,898. CORNELL WOOD PRODUCTS COMPANY, Cornell, Wis. Filed Jan. 24, 1948. Under section 2f of the act of 1946.

Cornell

FOR PAPERBOARD.
Claims use since 1932.

Ser. No. 548,251. GETTIER-MONTANYE, INC., Baltimore, Md. Filed Jan. 29, 1948. Under section 2f of the act of 1946.

RITE-EZEE

Applicant claims ownership of Registration No. 343,631.
FOR MECHANICAL PENCILS.
Claims use since June 1, 1935.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 524,938. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Feb. 24, 1948; originally filed, act of 1905, June 27, 1947. Under section 2f of the act of 1946.

ARMSTRONG A CORK COMPANY

Applicant claims ownership of Registration No. 286,903.
FOR HOUSE ORGANS PUBLISHED PERIODICALLY.
Claims use since Dec. 1, 1938.

Ser. No. 533,278. DEMOCRACY IN ACTION, INC., Chicago, Ill. Filed Sept. 4, 1947.

Democracy in Action

FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since April 1942.

Ser. No. 538,414. HENRY HONEY BEAR & Co., Beverly Hills, Calif. Filed Oct. 20, 1947.



The words "Henry Honey Bear" are disclaimed. The drawing is lined for yellow and brown.
FOR PUBLICATIONS IN THE FORM OF LETTERS ISSUED AT REGULAR INTERVALS.
Claims use since July 30, 1947.

Ser. No. 541,550. THE JOURNEYMEN BARBERS, HAIRDRESSERS AND COSMETOLOGISTS' INTERNATIONAL UNION OF AMERICA, Indianapolis, Ind. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

The Journeyman Barber
Hairdresser and Cosmetologist

Applicant claims ownership of Registration No. 294,394.
FOR PERIODICAL.
Claims use since Sept. 1, 1936.

Ser. No. 545,649. THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa. Filed Dec. 29, 1947.

Over the Coffee

FOR NEWSPAPER AND MAGAZINE FEATURE OR COLUMN PUBLISHED PERIODICALLY.
Claims use since Sept. 15, 1926.

Ser. No. 548,126. UNITED PRINTERS AND PUBLISHERS (INCORPORATED), doing business as Rust Craft Publishers, Boston, Mass. Filed Jan. 27, 1948.

RUST CRAFT

Applicant claims ownership of Registration No. 841,828.
FOR GREETING CARDS, VALENTINES, PRINTED FOLDERS, AND PRINTED PAMPHLETS.
Claims use since 1909.

Ser. No. 550,069. L. D. POST, INC., New York, N. Y. Filed Feb. 18, 1948. Under section 2f of the act of 1946.

PAPER MILL NEWS

Applicant claims ownership of Registration No. 296,042.
FOR MAGAZINE DEVOTED TO THE PAPER MANUFACTURING INDUSTRY.
Claims use since Mar. 8, 1941.

Ser. No. 551,840. WORCESTER TELEGRAM PUBLISHING CO., INC., Worcester, Mass. Filed Mar. 12, 1948.

SUNDAY TELEGRAM

The word "Sunday" is disclaimed apart from the mark.
FOR SUNDAY NEWSPAPER.
Claims use since Nov. 30, 1884.

Ser. No. 553,701. INEZ L. HERRIN, Los Angeles, Calif. Filed Apr. 2, 1948.



FOR HAND PAINTING DESIGNS AND STENCILS.
Claims use since Jan. 5, 1946.

Ser. No. 555,674. IDEAL PUBLISHING CORP., New York, N. Y. Filed Apr. 27, 1948. Under section 2f of the act of 1946.

MOVIE STARS PARADE

Applicant claims ownership of Registration No. 385,357.
FOR PERIODICAL DEVOTED TO THE PERSONALITIES IN THE FILMS.
Claims use since Aug. 3, 1940.

Ser. No. 557,476. ZILPHA S. THOMPSON, Winnetka, Ill. Filed May 20, 1948. Under section 2f of the act of 1946.

SHADE TREE DIGEST

FOR MONTHLY PUBLICATION.
Claims use since January 1940.

Ser. No. 557,742. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed May 25, 1948. Under section 2f of the act of 1946.

MOVIE ALBUM

Applicant claims ownership of Registration No. 392,571.
FOR PUBLICATION CONTAINING STORIES, ARTICLES, AND PICTURES RELATING TO THE SCREEN AND STAGE.
Claims use since February 1930.

Ser. No. 559,554. W. & J. SLOANE, New York, N. Y. Filed June 17, 1948.

PENNY WISE SHOP

The words "the" and "Shop" are disclaimed apart from the mark.
FOR FRAMED PICTURES.
Claims use since Apr. 27, 1948.

CLASS 39
CLOTHING

Ser. No. 512,129. JUSTIN MCCARTY, INC., Dallas, Tex. Filed Aug. 27, 1947; originally filed, act of 1905, Nov. 8, 1946. Under section 2f of the act of 1946.

Justin McCarty

The name "Justin McCarty" is the name of a particular living individual it being the name of the president of the applicant corporation. Applicant claims ownership of Registrations Nos. 364,176 and 348,889.
FOR WOMEN'S, MISSES', GIRLS', CHILDREN'S AND TODDLERS' OUTER WEAR GARMENTS—NAMELY, COATS, SUITS, DRESSES, SLACKS, SKIRTS, BLOUSES, SLACK SUITS, PLAY SUITS, JACKETS, SNOW SUITS, SKI SUITS, SHORTS, SHORT SLACKS, OVERALLS, COVER-ALLS, SUN SUITS, SMOCKS, SHIRTS, PAJAMAS, SLIPS, UNIFORMS, CAPS, NECKTIES, BELTS, APRONS, COLLARS, KIMONOS, RAIN COATS, RAIN CAPES, PINAFORES, JUMPERS, BRUNCH COATS, HOOVERETTES, EVENING DRESSES, BOLEROS, JERKINS, LEGGING SETS, BATHING SUITS, BATH ROBES, AND BEACH ROBES.
Claims use since May 15, 1927.

Ser. No. 529,015. GOOD LUCK GLOVE COMPANY, Carbondale, Ill. Filed July 21, 1947.

BIG JACK

FOR WORK GLOVES MADE OF LEATHER AND CANTON FLANNEL.
Claims use since October 1933.

Ser. No. 533,498. FELDMAN BROTHERS LINGERIE CORPORATION, New York, N. Y. Filed Aug. 21, 1947.

Fantasy
THE IMAGE OF PERFECTION

The term "The Image of Perfection" is disclaimed apart from the mark as shown.
FOR LADIES' SLIPS.
Claims use since Aug. 29, 1945.

Ser. No. 534,928. SALTZ BROTHERS, INC., Washington, D. C. Filed Sept. 18, 1947.

Guardsman

FOR MEN'S AND BOYS' DRESS SHIRTS, WORK SHIRTS, AND NEGLIGEE AND SPORT SHIRTS.
Claims use since May 10, 1938.

Ser. No. 535,852. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

Mid wate

Applicant claims ownership of Registration No. 341,848.
FOR MEN'S CLOTHING—NAMELY, COATS, VESTS, TROUSERS, OVERCOATS, AND TOP COATS.
Claims use since Oct. 29, 1935.

Ser. No. 536,961. BEN SOLNIT, doing business as Solnit Shoe Co., Los Angeles, Calif. Filed Oct. 6, 1947.

CALIFORNIA DEBS by Solcraft

Applicant disclaims the word "California" apart from the mark as shown.
FOR SHOES OF LEATHER, FABRIC, AND COMBINATIONS OF SAID MATERIALS.
Claims use since May 18, 1940.

Ser. No. 537,189. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

Stay-Warm

FOR KNIT AND WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND CHILDREN'S SLEEPERS.
Claims use since January 1932.

Ser. No. 539,546. MICHAELS, STERN & COMPANY, INCORPORATED, Rochester, N. Y. Filed Oct. 30, 1947. Under section 2f of the act of 1946.

TIFFANY Worsted

The word "Worsted" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 272,090.
FOR MEN'S AND BOYS' SUITS.
Claims use since Apr. 1, 1929.

Ser. No. 541,746. HERMAN MANTELL, New York, N. Y. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

Mannings

Applicant claims ownership of Registrations Nos. 189,485 and 342,029.
FOR HOSIERY.
Claims use since January 1918.

Ser. No. 542,854. MARYEM, Harrodsburg, Ky. Filed Dec. 1, 1947.

MARYEM

FOR CHILDREN'S PANTIES OF WOVEN TEXTILE FABRIC.
Claims use since September 1947.

Ser. No. 546,800. SPECTATOR SPORTSWEAR COMPANY, Chicago, Ill. Filed Jan. 12, 1948.

Pirateer

FOR MEN'S SPORTSHIRTS AND DRESS SHIRTS.
Claims use since Feb. 24, 1947.

Ser. No. 549,863. THE CARL-MANN CLOAK CO., Kansas City, Mo. Filed Feb. 16, 1948. Under section 2f of the act of 1946.

Linda Kay JUNIOR

The name "Linda Kay" is fanciful. The word "Junior" is disclaimed apart from the mark shown. Applicant claims ownership of Registration No. 380,767.
FOR LADIES' CLOAKS AND SUITS.
Claims use since May 1, 1939.

Ser. No. 550,604. NANNETTE MANUFACTURING COMPANY, INC., Philadelphia, Pa. Filed Feb. 26, 1948.

Nannette ORIGINALS

The word "Originals" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 435,241, 205,770, 326,721, 332,581, and 376,331.
FOR CHILDREN'S AND INFANTS' DRESSES.
Claims use since Sept. 9, 1946.

Ser. No. 551,794. A. C. GILL AND CLEAVER LIMITED, Nottingham, England. Filed Mar. 12, 1948.

MARQUISE

Applicant claims ownership of British Registration No. 565,299, dated Dec. 23, 1935.
FOR HAIR NETS.

Ser. No. 552,183. TRAIN-ELLIS, INC., New York, N. Y. Filed Mar. 17 1948.

Tranella Rayon

The word "Rayon" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 437,685.
FOR LINGERIE—NAMELY, NIGHT GOWNS, SLIPS, PAJAMAS, BED JACKETS, TEA GOWNS, AND ROBES.
Claims use since May 30, 1947.

Ser. No. 559,771. LIVINGSTON & LIVINGSTON, New York, N. Y. Filed Mar. 26, 1948.

HOLLYVOGUE "MANNISH-TAILORED"

No claim is made to the wording "Mannish-Tailored" apart from the mark as shown.
FOR BEACH WEAR—NAMELY, CAPES, SKIRTS, BATHING SUITS; SPORTSWEAR FOR MEN AND WOMEN—NAMELY, HATS, BLOUSES, AND GLOVES OF LEATHER AND FABRIC; BREECHES, JACKETS, AND SWEATERS.
Claims use since Apr. 6, 1935.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 534,779. HICKOK MANUFACTURING CO. INC., Rochester, N. Y. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

HICKOK

Applicant claims ownership of Registration No. 177,816.
FOR BUCKLES NOT OF PRECIOUS METAL FOR PERSONAL WEAR.
Claims use since November 1909.

Ser. No. 550,700. INTERNATIONAL BRAID COMPANY (1947), Providence, R. I. Filed Feb. 27, 1948. Under section 2f of the act of 1946.

Fastolite

Applicant claims ownership of Registration No. 368,162.
FOR VENETIAN BLIND TAPE AND CORD SOLD AS FINISHED PRODUCTS AND AWNING BRAID AND AWNING TAPE.
Claims use since Apr. 13, 1938.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 518,483. ROBERTSON FACTORIES, INC., New York, N. Y. Filed Oct. 28, 1948; originally filed, act of 1905, Mar. 4, 1947.

LUXITE

FOR WINDOW CURTAINS.
Claims use since June 1944.

Ser. No. 536,045. CAMEO FABRICS INC., New York, N. Y. Filed Sept. 29, 1947.



No claim is made to the word "Crepe" apart from the mark as shown. Applicant claims ownership of Registration No. 397,494.
FOR WOVEN FABRIC OF RAYON YARNS IN THE PIECE.
Claims use since April 1941.

Ser. No. 536,048. CAMEO FABRICS INC., New York, N. Y. Filed Sept. 29, 1947.

satin galore

No claim is made to the word "Satin" apart from the mark as shown.
FOR WOVEN TEXTILE FABRICS IN THE PIECE OF RAYON YARN.
Claims use since January 1939.

Ser. No. 540,118. STERN AND STERN TEXTILES INC., New York, N. Y. Filed Nov. 4, 1947.

SARAO

Applicant claims ownership of Registration No. 214,180.
FOR CHIFFON IN-THE-PIECE SUCH AS NYLON, SILK, LINEN, AND RAYON.
Claims use since Feb. 15, 1926.

Ser. No. 540,470. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y. Filed Nov. 7, 1947. Under section 2f of the act of 1946.

ARDSLEY

FOR TEXTILE CARPETS AND RUGS.
Claims use since Apr. 28, 1915.

Ser. No. 543,129. CROMPTON COMPANY, Crompton, R. I. Filed Dec. 3, 1947.

CORD U REX

The word "Cord" is disclaimed apart from the mark. Applicant claims ownership of Registration No. 361,524.
FOR PILE FABRICS IN THE ORIGINAL PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS.
Claims use since May 20, 1938.

Ser. No. 543,662. WILLIAM SKINNER & SONS, Holyoke, Mass. Filed Dec. 8, 1947. Under section 2f of the act of 1946.

TRUCOLOR

Applicant claims ownership of Registrations Nos. 213,798, 136,482, 177,714, 177,715, and 345,517.
FOR FABRICS OF SILK, WOOL, COTTON, MAN-MADE FIBERS, AND COMBINATIONS THEREOF.
Claims use since Apr. 25, 1924.

Ser. No. 544,151. CAMEO FABRICS INC., New York, N. Y. Filed Dec. 12, 1947.

CREPE GALORE

No claim is made to the word "Crepe" apart from the mark as shown.
FOR WOVEN TEXTILE FABRICS OF RAYON YARN IN THE PIECE.
Claims use since January 1939.

Ser. No. 544,257. DOW CORNING CORPORATION, Midland, Mich. Filed Dec. 13, 1947.

SILASTIC

FOR POT HOLDERS.
Claims use since December 1946.

Ser. No. 549,356. SOL FLETCHER, INC., New York, N. Y. Filed Nov. 14, 1947. Under section 2f of the act of 1946.

MacHeath

The drawing is lined for shading purposes. Applicant claims ownership of Registration No. 385,419.
FOR WOOLEN FABRICS IN THE PIECE, MADE IN THE FORM OF KNITTED, NETTED, TEXTILE, AND OTHER WOVEN PIECE GOODS.
Claims use since Jan. 4, 1940.

Ser. No. 549,754. RODNEY FIELDING, INC., New York, N. Y. Filed Feb. 14, 1948.

"WORLDFINE"

FOR COTTON FABRIC FOR SHIRTS.
Claims use since Oct. 1, 1937.

Ser. No. 550,670. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Feb. 27, 1948.

SANFORISERAD

Applicant claims ownership of Registrations Nos. 278,395 and 408,781.
FOR PIECE GOODS OF COTTON AND SYNTHETIC FIBERS.
Claims use since Feb. 24, 1948.

Ser. No. 554,012. CREST FABRICS CORP., New York, N. Y. Filed Apr. 7, 1948.

A CRESTCORD FABRIC

The words "A" and "Fabric" are disclaimed apart from the mark as shown.
FOR TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since Mar. 1, 1948.

Ser. No. 560,317. CARTER DRY GOODS COMPANY, Louisville, Ky. Filed June 28, 1948.

PARK AVENUE

Applicant claims ownership of Registration No. 235,647.
FOR SHEETING, SHEETS, PILLOW CASES, PRINTED TEXTILE FABRICS, MADE OF COTTON, SILK, OR RAYON FIBER.
Claims use since June 1, 1927.

Ser. No. 567,835. DOUBLE WOVEN CORPORATION OF AMERICA, Dunmore, Pa., and Brooklyn, N. Y. Filed Oct. 25, 1948.

ANDOSUEVE

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, SILK, WOOL, AND COMBINATIONS THEREOF.
Claims use since June 25, 1947.

CLASS 43

THREAD AND YARN

Ser. No. 556,613. MAX POLLACK & CO., INC., New York, N. Y. Filed Apr. 26, 1948. Under section 2f of the act of 1946.

MANILA

FOR SEWING THREADS.
Claims use since 1906.

Ser. No. 558,886. JAMES LEES AND SONS COMPANY, Bridgeport, Pa. Filed June 10, 1948.

COLANA

FOR YARNS CONTAINING 71 PERCENT VIRGIN WOOL AND 29 PERCENT RAYON.
Claims use since October 1947.

Ser. No. 558,890. JAMES LEES AND SONS COMPANY, Bridgeport, Pa. Filed June 10, 1948.

HEARTHSTONE

FOR YARNS.
Claims use since July 1939.

Ser. No. 558,892. JAMES LEES AND SONS COMPANY, Bridgeport, Pa. Filed June 10, 1948.

MARCELAINE

FOR YARNS CONTAINING 71 PER CENT VIRGIN WOOL AND 29 PER CENT RAYON.
Claims use since July 1939.

Ser. No. 564,924. BOTANY MILLS, INC., Passaic, N. J. Filed Sept. 10, 1948. Under section 2f of the act of 1946.

AQUATONES

Applicant claims ownership of Registration No. 374,640.
FOR HAND KNITTING YARNS.
Claims use since Dec. 1, 1938.

Ser. No. 564,925. BOTANY MILLS, INC., Passaic, N. J. Filed Sept. 10, 1948. Under section 2f of the act of 1946.

TERRATONES

Applicant claims ownership of Registration No. 376,562.
FOR HAND KNITTING YARNS.
Claims use since Feb. 6, 1939.

Ser. No. 565,109. BELDING HEMINWAY COMPANY, INC., New York, N. Y. Filed Sept. 14, 1948.

N Y M O - T E E

Applicant claims ownership of Registration No. 501,095.
FOR NYLON SEWING THREAD.
Claims use since Nov. 5, 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 553,088. DR. PEPPER COMPANY, Dallas, Tex. Filed Mar. 26, 1948.



Applicant claims ownership of Registrations Nos. 418,485 and 418,486.
FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS FOR MAKING SAME.
Claims use since Dec. 1, 1927.

Ser. No. 553,292. LYONS-MAGNUS, INCORPORATED, San Francisco, Calif. Filed Mar. 29, 1948. Under section 2f of the act of 1946.

LYONS

Applicant claims ownership of Registrations Nos. 327,476, 344,355, 407,022, and 418,175.
FOR SODA FOUNTAIN SYRUPS, PARTICULARLY VANILLA, STRAWBERRY, PINEAPPLE, CHOCOLATE, LEMON, ORANGE FRUITADE, FRUIT PUNCH, GRENADINE, AND WILD CHERRY.
Claims use since April 1929.

Ser. No. 553,549. TEA GARDEN PRODUCTS CO., San Francisco, Calif. Filed Mar. 31, 1948.

TEA GARDEN

Applicant claims ownership of Registrations Nos. 334,801 and 394,104.
FOR GRAPE JUICE.
Claims use since Dec. 16, 1935.

Ser. No. 555,052. WALLES M. BUCKHAM, Glendale, Calif. Filed Apr. 20, 1948.



FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND CONCENTRATED EXTRACTS FOR MAKING THE SAME.
Claims use since December 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 531,870. WELLS AND WADE FRUIT COMPANY, Wenatchee, Wash. Filed Aug. 19, 1947.

Twin

WW

FOR FRESH DECIDUOUS FRUIT.
Claims use since May 1917.

Ser. No. 541,537. GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

Gorton's

Applicant claims ownership of Registrations Nos. 144,784, 411,643, 232,076, and 433,861.
FOR FROZEN FISH AND FEEDING OILS FOR LIVE STOCK.
Claims use since December 1929, on frozen fish; and since Jan. 1, 1934, on feeding oils for live stock.

Ser. No. 541,787. H. E. SHAW COMPANY, Worcester, Mass. Filed July 31, 1947. Under section 2f of the act of 1946.

Peggy Dee

The name "Peggy Dee" is fictitious. Applicant claims ownership of Registration No. 356,291.
FOR CHOCOLATES.
Claims use since Apr. 5, 1935.

Ser. No. 546,229. MALLON POULTRY AND EGG CO., St. Peter, Minn. Filed Jan. 5, 1948.

Sunny Side Up

FOR CARTONED EGGS.
Claims use since Dec. 10, 1947.

Ser. No. 546,254. WASHINGTON CANNERS COOPERATIVE, Vancouver, Wash. Filed Jan. 5, 1948.

WEST HILLS

FOR CANNED FRUITS.
Claims use since June 11, 1947.

Ser. No. 546,557. CARPINTERIA LEMON ASSOCIATION, Carpinteria, Calif. Filed Jan. 9, 1948. Under section 2f of the act of 1946.

CARPINTERIA

Applicant claims ownership of Registration No. 286,330.
FOR FRESH CITRUS FRUITS.
Claims use since Nov. 1, 1926.

Ser. No. 546,598. OROSI FOOTHILL CITRUS ASSOCIATION, Orosi, Calif. Filed Jan. 9, 1948. Under section 2f of the act of 1946.

OROSI

FOR FRESH CITRUS FRUITS.
Claims use since 1918.

Ser. No. 546,599. OROSI FOOTHILL CITRUS ASSOCIATION, Orosi, Calif. Filed Jan. 9, 1948.

Fido

FOR FRESH CITRUS FRUITS.
Claims use since 1922.

Ser. No. 546,714. MAX LUTZ, Nampa, Idaho. Filed Jan. 10, 1948.

Western Gem

FOR FRESH VEGETABLES.
Claims use since 1943.

Ser. No. 547,342. R. M. HAAN CANDY CO., INC., Long Island City, N. Y. Filed Jan. 17, 1948.

ARTISAN

FOR CHOCOLATE CANDY.
Claims use since Nov. 10, 1947.

Ser. No. 548,179. PORTLAND PACKING CO., Portland, Maine. Filed Jan. 28, 1948.

PINE TREE

Applicant claims ownership of Registration No. 47,494.
FOR CANNED VEGETABLES—NAMELY, GOLDEN CORN (CREAM STYLE), POTATOES, AND PEAS.
Claims use since 1895.

Ser. No. 548,594. E. F. KEMP, INC., Somerville, Mass. Filed Feb. 2, 1948.

Morning Glory

FOR CANDY.
Claims use since Dec. 16, 1947.

CLASS 47
WINES

Ser. No. 551,158. ASCHE-BANDOR CORPORATION, New York, N. Y. Filed Mar. 4, 1948.

AKIVA

FOR WINES.
Claims use since Feb. 18, 1948.

CLASS 48
MALT BEVERAGES AND LIQUORS

Ser. No. 552,454. GRIESEDIECK WESTERN BREWERY COMPANY, Belleville, Ill. Filed Mar. 19, 1948.



The drawing is lined for colors red, black, and gold.
Applicant claims ownership of Registration No. 320,594.
FOR BEER.
Claims use since 1908 as to the word "Stag"; and since Nov. 20, 1947, as shown.

CLASS 49
DISTILLED ALCOHOLIC LIQUORS

Ser. No. 540,901. RUM COMPANY LTD., Basel, Switzerland. Filed Nov. 12, 1947.

CLUB CROWN

No claim is made to the exclusive use of the "Club" apart from and except in the association shown. Applicant claims ownership of Swiss Registration No. 101,796, dated Mar. 17, 1942.
FOR RUM AND BRANDY.

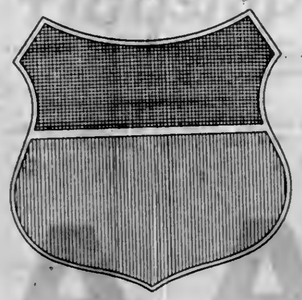
Ser. No. 544,408. RON VIRGIN COMPANY, LTD., Cambridge, Mass. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

JACK ROSE

The trade-mark is not the name of any known living individual. Applicant claims ownership of Registration No. 406,827.
FOR WHISKEY.
Claims use since 1901.

CLASS 50
MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 545,344. CONGOLEUM-NAIRN, INC., Kearny, N. J. Filed Dec. 24, 1947.



FOR DRY, PARTIALLY IMPREGNATED, AND FULLY IMPREGNATED WITH ASPHALT, NATURAL OR ARTIFICIAL, FELT FOR USE IN CONNECTION WITH LINOLEUM AND OTHER COMPOSITION COVERINGS.
Applicant claims ownership of Registrations Nos. 247,213, 291,477, 299,946, 330,215, 368,487, 368,488, and 369,035.
Claims use since Apr. 16, 1946.

CLASS 55
SERVICES

Ser. No. 530,147. AETNA LIFE INSURANCE COMPANY, Hartford, Conn. Filed Aug. 1, 1947. SERVICE MARK. Under section 2f of the act of 1946.



TIME TESTED SINCE 1850

FOR LIFE, HEALTH, AND ACCIDENT INSURANCE.
Claims use since February 1928.

Ser. No. 530,148. AETNA LIFE INSURANCE COMPANY, Hartford, Conn. Filed Aug. 1, 1947. SERVICE MARK.

AETNA

Applicant claims ownership of Registration No. 125,013.
FOR LIFE, HEALTH, AND ACCIDENT INSURANCE.
Claims use since 1905.

Ser. No. 531,703. NORFOLK AND WESTERN RAILWAY COMPANY, Roanoke, Va. Filed Aug. 18, 1947. SERVICE MARK. Under section 2f of the act of 1946.

Norfolk and Western

FOR RAILROAD TRANSPORTATION OF PASSENGERS AND FREIGHT.
Claims use since September 1896.

Ser. No. 534,261. FENTON UNITED CLEANING AND DYEING CO., Cincinnati, Ohio. Filed Sept. 11, 1947. SERVICE MARK. Under section 2f of the act of 1946.

Cheer Up

FOR DRY CLEANING SERVICES.
Claims use since June 1, 1912.

Ser. No. 535,254. MORSE SIGNAL DEVICES AND ALARM COMPANY, Cleveland, Ohio. Filed Sept. 22, 1947. SERVICE MARK. Under section 2f of the act of 1946.



FOR BURGLAR-ALARM SERVICE COMPRISING THE LEASING OF BURGLAR ALARM SIGNAL DEVICES AND NOTIFICATION OF THE POLICE AUTHORITIES OF THE BREAKING AND ENTERING OF INTRUDERS ON THE PROPERTY OR PREMISES PROTECTED BY THE SIGNAL DEVICES.
Claims use since July 1, 1934.

Ser. No. 550,275. THE UNITED PIECE DYE WORKS, Lodi, N. J., and New York, N. Y. Filed Feb. 20, 1948. SERVICE MARK.

UNISEC

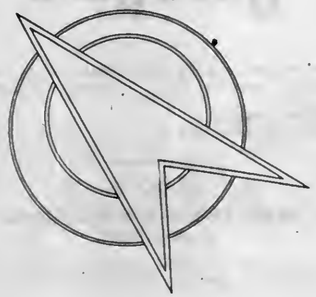
FOR DYEING AND THE RENDERING OF FABRICS IN THE PIECE WATER-REPELLENT AND CREASE-RESISTANT.
Claims use since Sept. 17, 1947.

Ser. No. 557,583. BAGGETT TRANSPORTATION COMPANY, Birmingham, Ala. Filed May 22, 1948. SERVICE MARK. Under section 2f of the act of 1946.



FOR TRUCKING AND HAULING.
Claims use since July 13, 1931, on that portion consisting of the word "Baggett" and the representation of the vehicle on which is written "Baggett"; and since July 1942 as shown.

Ser. No. 561,856. NORTHWEST AIRLINES, INC., St. Paul, Minn. Filed July 21, 1948. SERVICE MARK.



FOR PASSENGER, MAIL, AND FREIGHT AIR TRANSPORT SERVICE.
Claims use since Nov. 15, 1947.

Ser. No. 562,238. AMERICAN AIRLINES, INC., New York, N. Y. Filed July 27, 1948. SERVICE MARK.

A A

FOR AIR TRANSPORT OF PASSENGERS AND FREIGHT.
Claims use since December 1935.

Ser. No. 562,239. AMERICAN AIRLINES, INC., New York, N. Y. Filed July 27, 1948. SERVICE MARK.



FOR AIR TRANSPORT OF PASSENGERS AND FREIGHT.
Claims use since August 1946.

Ser. No. 562,240. AMERICAN AIRLINES, INC., New York, N. Y. Filed July 27, 1948. SERVICE MARK. Under section 2f of the act of 1946.

AMERICAN AIRLINES

Applicant makes no claim to the word "Airlines" apart from the mark shown.
FOR AIR TRANSPORT OF PASSENGERS AND FREIGHT.
Claims use since April 1934.

Ser. No. 562,241. AMERICAN AIRLINER, INC., New York, N. Y. Filed July 27, 1948. SERVICE MARK. Under section 2f of the act of 1946.

Flagship

FOR AIR TRANSPORT OF PASSENGERS AND FREIGHT.
Claims use since June 1936.

Ser. No. 564,666. TRIANGLE FINISHING CORP., Johnstown, N. Y. Filed Sept. 3, 1948. SERVICE MARK.

ANTI-

K

FOR CHEMICAL AND DYEING PROCESS TO IMPART ANTI-GAS FADING PROPERTIES TO ACETATE PIECE GOODS.
Claims use since Feb. 13, 1947.

Ser. No. 566,349. W. W. MACGREGOR, INC., Denver, Colo. Filed Oct. 2, 1948. SERVICE MARK.



The word "Liner" is disclaimed apart from the mark.
FOR PASSENGER AIRLINE TRANSPORTATION.
Claims use since Sept. 23, 1948.

Ser. No. 567,591. W. W. MACGREGOR, INC., Denver, Colo. Filed Oct. 25, 1948. SERVICE MARK.



FOR PASSENGER AIRLINE TRANSPORTATION.
Claims use since Sept. 28, 1948.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

442,643. NAIL ENAMEL, LIPSTICK, AND FACE POWDER. REVLON PRODUCTS CORPORATION, New York, N. Y.
Filed Oct. 7, 1943, Serial No. 463,980. Published Dec. 19, 1944. Class 6.

442,644. AUTOMOTIVE TRUCKS. SIX WHEELS, INC., Los Angeles, Calif.
Filed Dec. 21, 1943, Serial No. 465,961. Published Dec. 23, 1947. Class 19.

442,645. SEALING TAPES, USED AS CLOSURES FOR FLEXIBLE WALLED PAPER AND TEXTILE BAGS. BEMIS BRO. BAG CO., Minneapolis, Minn.
Filed Apr. 13, 1945, Serial No. 482,088. Published Jan. 11, 1949. Class 5.

442,646. DENTAL ALLOYS, DENTAL CEMENTS, DENTAL ROOT FILLINGS, DENTAL VARNISH, DENTAL INSTRUMENTS FOR DRILLING, ETC. AKTIEBOLAGET SVENSKA DENTALINSTRUMENT, Stockholm, Sweden.
Filed Oct. 1, 1945, Serial No. 489,194. Published Jan. 18, 1949. Class 44.

442,647. PERFUME, COLOGNE, BUBBLE BATH COMPRISING LIQUID TO BE ADDED TO BATH WATER FOR FORMING BUBBLES, AND POWDER MITT COMPRISING A POROUS BAG CONTAINING POWDER. WETHERHOLT'S PERFUME CO., Chicago, Ill.
Filed Oct. 29, 1945, Serial No. 490,728. Published Feb. 1, 1949. Class 6.

442,648. METAL CASTINGS. BUDDS AERO CASTINGS, INCORPORATED, Canaan, Conn.
Filed Nov. 9, 1945, Serial No. 491,311. Published Jan. 18, 1949. Class 14.

442,649. HERNIA TRUSSES; ELASTIC HOSIERY; ABDOMINAL BELTS USED FOR THERAPEUTIC PURPOSES; SUSPENSORY BANDAGES; JOCK STRAPS; AND SURGICAL BANDAGES INCORPORATING ELASTIC. F. LONDON & COMPANY LIMITED, Derby, England.
Filed Nov. 28, 1945, Serial No. 492,326. Published Feb. 1, 1949. Class 44.

442,650. METAL ALLOYS HAVING A HEAVY-METAL BASE, AND PARTICULARLY FOR CHROMIUM IRON ALLOYS IN THE FORM OF CASTINGS, BARS, PLATES, SHEETS, AND THE LIKE. THE DURALOY COMPANY, Scottdale, Pa.
Filed Dec. 28, 1945, Serial No. 493,951. Published Mar. 16, 1948. Class 14.

442,651. HAND RESTS, IN THE NATURE OF BALL-BEARING-SUPPORTED PLATES OF METALLIC OR SIMILAR MATERIAL, USED AS A SUPPORT FOR THE HAND WHEN WRITING. ARTHUR L. GRIFFIN, Toledo, Ohio.
Filed Mar. 13, 1946, Serial No. 498,138. Published Jan. 11, 1949. Class 37.

442,652. CANNED FISH—NAMELY, CANNED SALMON AND CANNED TUNA FLAKES. NEW ENGLAND FISH COMPANY, Seattle, Wash.
Filed Mar. 19, 1946, Serial No. 498,538. Published Jan. 25, 1949. Class 46.

442,653. CAMPING AND HOUSING TRAILERS FOR USE WITH AUTOMOBILES. THE KARRIALL COMPANY, Chicago, Ill.
Filed Mar. 27, 1946, Serial No. 499,059. Published Jan. 25, 1949. Class 19.

442,654. WINDSHIELD WIPERS. CHARLES A. SPRAGUE, doing business as C. A. Sprague Devices, Michigan City, Ind.
Filed Apr. 1, 1946, Serial No. 499,442. Published Jan. 11, 1949. Class 19.

442,655. BAKED PRODUCT—NAMELY, CROUTONS COMPOSED OF EGGS, SHORTENING, FLOUR, AND SALT. MOTHER HUBBARD DISTRIBUTORS INC., New York, N. Y.
Filed May 9, 1946, Serial No. 501,758. Published Jan. 25, 1949. Class 46.

442,656. PASSENGER AUTOMOBILES. KAISER-FRAZER CORPORATION, Willow Run, Mich.
Filed July 13, 1946, Serial No. 505,590. Published Jan. 25, 1949. Class 19.

442,657. AUTOMOBILES AND AUTOMOBILE TRAILERS. EMPIRE TRACTOR CORPORATION, New York, N. Y.
Filed Aug. 7, 1946, Serial No. 506,994. Published Jan. 11, 1949. Class 19.

442,658. TISSUE IN SHEET FORM FOR CARBONIZING, CIGARETTE TISSUE IN SHEET FORM, AIR-MAIL WRITING PAPER TISSUE. STANDARD PRODUCTS CORPORATION, New York, N. Y.
Filed Aug. 15, 1946, Serial No. 507,494. Published Jan. 4, 1949. Class 37.

442,659. DRIED MILK PRODUCTS FOR HUMAN CONSUMPTION—NAMELY, SPRAY PROCESS NON-FAT DRIED MILK SOLIDS AND ROLLER PROCESS NON-FAT DRIED MILK SOLIDS USED IN BAKERIES, CONFECTIONERIES, AND ICE CREAM PLANTS. HERBERT K. CLOFINE, doing business as Herbert K. Clofine, Philadelphia, Pa.
Filed Aug. 17, 1946, Serial No. 507,573. Published Jan. 25, 1949. Class 46.

442,660. RAZOR BLADES. UNSINGER-A P CORPORATION, Fremont, Ohio.
Filed Oct. 2, 1946, Serial No. 510,133. Published May 6, 1947. Class 23.

442,661. DEODORANTS FOR PERSONAL USE. JOHN RUBEL, doing business as John Rubel Co., New York, N. Y.
Filed Oct. 10, 1946, Serial No. 510,619. Published Jan. 11, 1949. Class 6.

442,662. MECHANICAL PENCILS. BERTRAM A. STRAUSS, doing business as Columbia Pencil Company, New York, N. Y.
Filed Oct. 11, 1946, Serial No. 510,738. Published Jan. 4, 1949. Class 37.

442,663. SIGNALLING AND LIFE-SAVING APPARATUS AND PARTS THEREOF, FIRE ALARMS AND PYROTECHNIC ARTICLES, CONSISTING OF ROCKETS, INCLUDING PYROTECHNIC ROCKETS USED FOR DROPPING FLARES TO ILLUMINATE AREAS OR TO ACT AS SIGNALS, FIRE ALARM ROCKETS WHICH ARE HELD STATIONARY AND UPON DISCHARGE PRODUCE A WHISTLE OR OTHER NOISE, ETC. THE SCHERMULY PISTOL ROCKET APPARATUS LIMITED, Surrey, England.
Filed Oct. 24, 1946, Serial No. 511,422. Published Dec. 14, 1948. Class 9.

442,664. AUTOMOBILE SEAT COVERS. GLOSTEX PRODUCTS, INC., Chicago, Ill.
Filed Oct. 25, 1946, Serial No. 511,466. Published Jan. 4, 1949. Class 19.

442,665. SHOCK ABSORBERS FOR MOTOR VEHICLES. CLE-DRAULIC COMPANY, Cleveland, Ohio.
Filed Nov. 22, 1946, Serial No. 513,028. Published Jan. 4, 1949. Class 19.

442,666. SHOCK ABSORBERS FOR MOTOR VEHICLES. CLE-DRAULIC COMPANY, Cleveland, Ohio.
Filed Nov. 29, 1946, Serial No. 513,388. Published Jan. 4, 1949. Class 19.

442,667. GARLIC OIL EXTRACT IN CAPSULES FOR PHARMACEUTICAL PURPOSES. WEKA S. P. R. L., Brussels, Belgiom.
Filed Dec. 16, 1946, Serial No. 514,385. Published Dec. 28, 1948. Class 6.

442,668. DRESSED POULTRY. INTERSTATE POULTRY COMPANY, New York, N. Y.
Filed Jan. 6, 1947, Serial No. 515,311. Published Dec. 9, 1947. Class 46.

442,669. DENTIFRICES, DENTURE POWDERS, DENTAL PLATE SECURING PREPARATIONS, AND CHEMICO-PHARMACEUTICAL PREPARATIONS USED IN DENTAL PRACTICE. MAX HAEFELI, Basel, Switzerland.
Filed Feb. 3, 1947, Serial No. 516,835. Published Dec. 21, 1948. Class 6.

442,670. DENTIFRICES, DENTURE POWDERS, DENTAL PLATE SECURING PREPARATIONS, AND CHEMICO-PHARMACEUTICAL PREPARATIONS USED IN DENTAL PRACTICE. MAX HAEFELI, Basel, Switzerland.
Filed Feb. 3, 1947, Serial No. 516,836. Published Jan. 4, 1949. Class 6.

442,671. DENTIFRICES, DENTURE POWDERS, DENTAL PLATE SECURING PREPARATIONS, AND CHEMICO-PHARMACEUTICAL PREPARATIONS USED IN DENTAL PRACTICE. MAX HAEFELI, Basel, Switzerland.
Filed Feb. 3, 1947, Serial No. 516,838. Published Jan. 4, 1949. Class 6.

442,672. REGULATED FLOW TYPE FLUID DISPENSING PUMPS NOT INCLUDING SELF-MEASURING PUMPS. GILBERT & BARKER MANUFACTURING COMPANY, West Springfield, Mass.
Filed Feb. 14, 1947, Serial No. 517,475. Published Jan. 18, 1949. Class 23.

442,673. HIGH TEMPERATURE ALLOYS AS PRECIPITATION HARDENED HEAT RESISTANT STEEL. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa.
Filed Feb. 21, 1947, Serial No. 517,940. Published Jan. 18, 1949. Class 14.

442,674. AUTOMATIC ICE CREAM CONE MACHINES AND PARTS THEREFOR. SUGAR SHELL CORPORATION, New York, N. Y.
Filed Mar. 7, 1947, Serial No. 518,704. Published Jan. 18, 1949. Class 23.

442,675. PREPARATION TO BE APPLIED TO SOIL TO BRING EARTHWORMS TO THE SURFACE. NATIONAL EQUIPMENT CO., INC., Indianapolis, Ind.
Filed Mar. 10, 1947, Serial No. 518,774. Published Feb. 1, 1949. Class 6.

442,676. HEALING SALVE. ANTHONY SMITH AND COMPANY, Elmhurst, N. Y.
Filed Mar. 13, 1947, Serial No. 518,986. Published Dec. 21, 1948. Class 6.

442,677. PNEUMATIC TIRES. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed Mar. 28, 1947, Serial No. 519,748. Published Feb. 1, 1949. Class 35.

442,678. SURGICAL AND DENTAL INSTRUMENTS AND SUPPLIES—NAMELY, INHALER FACE PIECES AND MASKS; PLASTER PARIS KNIVES; PLASTER CUTTERS, SAWS AND SCISSORS; GALL BLADDER FORCEPS, ETC. MISSION-FRANK CORPORATION, New York, N. Y.
Filed Apr. 9, 1947, Serial No. 520,400. Published Jan. 18, 1949. Class 44.

442,679. FILING SUPPLIES—NAMELY, FILE CARDS AND FOLDERS. KOLLER & SMITH CO., INC., New York, N. Y.
Filed Apr. 14, 1947, Serial No. 520,631. Published Jan. 4, 1949. Class 37.

442,680. FRESH PEARS. RALPH L. COOK, Medford, Oreg.
Filed Apr. 18, 1947, Serial No. 520,932. Published Jan. 18, 1949. Class 46.

442,681. FACE AND HAND CREAM. HARRY D. KOENIG, doing business as Anre, New York, N. Y.
Filed Apr. 21, 1947, Serial No. 521,076. Published Jan. 4, 1949. Class 6.

442,682. SOLE LEATHER. MIDDLEBURG TANNING CORPORATION, Philadelphia and Middleburg, Pa.
Filed May 5, 1947, Serial No. 521,919. Published Feb. 1, 1949. Class 1.

442,683. ROW BOATS, MOTOR BOATS, SAIL BOATS, AND COMBINATIONS THEREOF. ARTHUR R. HARMON, Hatfield, Pa.
Filed May 29, 1947, Serial No. 523,263. Published Jan. 4, 1949. Class 19.

442,684. RYE BREAD. THE RUSSEL BAKING COMPANY, Cincinnati, Ohio.
Filed June 4, 1947, Serial No. 523,544. Published Jan. 25, 1949. Class 46.

442,685. ROUGE AND LIPSTICK. RICHARD HUDNUT, New York, N. Y.
Filed June 7, 1947, Serial No. 523,778. Published Dec. 28, 1948. Class 6.

442,686. GREETING CARDS AND PRINTED GREETING FOLDERS. NORCROSS, INC., New York, N. Y.
Filed June 9, 1947, Serial No. 523,852. Published Jan. 18, 1949. Class 38.

442,687. ANTISEPTIC LOTION FOR EXTERNAL APPLICATION TO THE SKIN. HAROLD W. TINKER, doing business as Tinker Products, Aurora, Ill.
Filed June 10, 1947, Serial No. 523,930. Published Feb. 1, 1949. Class 6.

442,688. TOPPINGS FOR SUNDAES—NAMELY, BUTTERSCOTCH FUDGE, CARAMEL FUDGE, CRUSHED AND WHOLE CHERRIES, ETC. JOHN A. FORMAN, doing business as Philadelphia Soda Fountain Supply, Philadelphia, Pa.
Filed June 16, 1947, Serial No. 524,242. Published Jan. 18, 1949. Class 46.

442,689. PORTABLE, MECHANICALLY OPERATED FIRE ALARMS FOR HOUSEHOLD OR DOMESTIC USE OF THE TYPE WHICH INDICATES THE LOCATION OF A FIRE BY MAKING A NOISE AT THE LOCATION OF THE FIRE. MONETA & PATENTS CORPORATION, New York, N. Y.
Filed June 20, 1947, Serial No. 524,555. Published Jan. 18, 1949. Class 23.

442,690. INFLATABLE BOATS AND INFLATABLE FLOATS FOR SUPPORTING A PLURALITY OF HUMANS. NEW YORK RUBBER CORPORATION, New York, N. Y.
Filed June 24, 1947, Serial No. 524,714. Published Jan. 4, 1949. Class 19.

442,691. INFLATABLE BOATS AND INFLATABLE FLOATS FOR SUPPORTING A PLURALITY OF HUMANS. NEW YORK RUBBER CORPORATION, New York, N. Y.
Filed June 24, 1947, Serial No. 524,715. Published Jan. 4, 1949. Class 19.

442,692. MAGAZINES PUBLISHED FROM TIME TO TIME. EAST MICHIGAN TOURIST ASSOCIATION, Bay City, Mich.
Filed June 27, 1947, Serial No. 524,958. Published Jan. 25, 1949. Class 38.

442,693. MINERAL CHEMICALS, PARTICULARLY ZIRCON, RUTILE, ILMENITE, GARNET, MONAZITE, TOURMALINE, AND CHROMITE. OREFRACTION INCORPORATED, Pittsburgh, Pa.
Filed June 27, 1947, Serial No. 525,017. Published Jan. 18, 1949. Class 6.

442,694. WRITING PAPER, PRINTING PAPER, OFFSET PAPER, BRISTOL OF HIGH STRENGTH, ETC. THE SOAG PAPER COMPANY, Middletown, Ohio.
Filed July 3, 1947, Serial No. 525,963. Published Jan. 11, 1949. Class 37.

442,695. PAPER TABLETS. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,059. Published Jan. 11, 1949. Class 37.

ACT OF 1946, PRINCIPAL REGISTER

509,534. RADIATOR TYPE OIL COOLANT-REGULATORS USED AS ACCESSORIES TO AIRCRAFT AND AUTOMOTIVE ENGINES FOR REGULATING THE TEMPERATURE AND INSURING THE FLOW OF LUBRICATING OIL THEREIN; RADIATOR TYPE, HEAT EXCHANGE UNITS FOR USE IN SUPERCHARGED AIR LINES FOR REGULATING THE TEMPERATURE OF SUCH AIR PREPARATORY TO ITS USE IN CARBURETORS OF ENGINES FOR AIRCRAFT AND AUTOMOTIVE VEHICLES, ETC. THE GARRETT CORPORATION, doing business as AiResearch Manufacturing Co., Los Angeles, Calif.
Filed July 5, 1947; originally filed, act of 1905, Nov. 27, 1944, Serial No. 476,905. Published Jan. 25, 1949. Class 23.

509,535. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed Aug. 10, 1948; originally filed, act of 1905, Jan. 1, 1945, Serial No. 478,136. Published Jan. 25, 1949. Class 1.

509,536. WALL PAPER. PAN-AMERICAN WALL PAPER & PAINT COMPANY, Chicago, Ill.
Filed Aug. 28, 1947; originally filed, act of 1905, Apr. 9, 1945, Serial No. 481,902. Published Jan. 11, 1949. Class 37.

509,537. HOSIERY. NATIONAL HOSIERY MILLS, INC., Indianapolis, Ind.
Filed Apr. 23, 1948; originally filed, act of 1905, Sept. 18, 1945, Serial No. 488,636. Published Jan. 11, 1949. Class 39.

509,538. WHOLE WHEAT FLOUR, CAKE FLOUR, PANCAKE FLOUR, CORN MEAL, AND CORN GRITS. TEX-O-KAN FLOUR MILLS CO., doing business as Burrus Mill and Elevator Co., Dallas and Fort Worth, Tex.
Filed July 5, 1947; originally filed, act of 1905, Dec. 5, 1945, Serial No. 492,748. Published Jan. 18, 1949. Class 46.

509,539. SOLDERING METALS CONTAINING A CORE OR CORES OF FLUX. MULTICORE SOLDERS LIMITED, London, England.
Filed June 29, 1948; originally filed, act of 1905, Dec. 13, 1945, Serial No. 493,207. Published Feb. 1, 1949. Class 14.

509,540. GARDEN AND FIELD SEEDS. ALEXANDER N. LEVIN, Chattanooga, Tenn.
Filed Sept. 26, 1947; originally filed, act of 1905, Dec. 28, 1945, Serial No. 493,970. Published Feb. 1, 1949. Class 1.

509,541. HORIZONTAL WHEEL HIGH POWER HAND BRAKE, DROP TYPE HIGH POWER HAND BRAKE, VERTICAL WHEEL HIGH POWER HAND BRAKE, DRAFT GEAR CARRIERS, TOP OPERATING UNCOUPLING DEVICES, ETC. UNION RAILWAY EQUIPMENT CO., Chicago, Ill.
Filed Sept. 17, 1947; originally filed, act of 1905, Feb. 13, 1946, Serial No. 490,528. Published Jan. 11, 1949. Class 19.

509,542. CANNED FRUITS AND CANNED VEGETABLES. PARROTT & CO., San Francisco, Calif.
Filed Sept. 2, 1947; originally filed, act of 1905, Feb. 25, 1946, Serial No. 497,193. Published Jan. 18, 1949. Class 46.

509,543. CANNED FRUITS, CANNED VEGETABLES, AND CANNED FISH. PARROTT & CO., San Francisco, Calif.
Filed Sept. 2, 1947; originally filed, act of 1905, Feb. 25, 1940, Serial No. 497,195. Published JAN. 18, 1949. Class 46.

509,544. TRANSPARENT AND TRANSLUCENT PLASTIC MATERIAL IN SHEET AND INGOT FORM CAPABLE OF BEING MOLDED IN THE PRESENCE OF HEAT. A. F. PARMELEE, doing business as United States Safety Service Company, Kansas City, Mo.
Filed Mar. 6, 1948; originally filed, act of 1905, Mar. 18, 1940, Serial No. 498,447. Published Feb. 1, 1949. Class 1.

509,545. UPPER LEATHER. BEGGS & COBB, INCORPORATED, Boston, Mass.
Filed July 29, 1948; originally filed, act of 1905, Apr. 5, 1946, Serial No. 499,689. Published Jan. 25, 1949. Class 1.

509,546. INDUSTRIAL PLANT PASTEURIZERS OF THE HEAT-EXCHANGE TYPE FOR THE TREATING OF LIQUID AND PARTS THEREOF. AMERICAN MACHINERY CORPORATION, Orlando, Fla.
1949. Class 44.
Filed Aug. 8, 1947; originally filed, act of 1905, May 24, 1946, Serial No. 502,679. Published Jan. 18, 1949. Class 23.

509,547. BUTCHERS' WRAPPING PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed Sept. 18, 1947; originally filed, act of 1905, July 13, 1946, Serial No. 505,586. Published Feb. 1, 1949. Class 37.

509,548. PRINTERS' TYPE, GALLEY LOCKS, AND TYPE TIE-UPS. THE RIEHL GALLEY LOCK COMPANY, Cleveland, Ohio.
Filed May 29, 1948; originally filed, act of 1905, Aug. 8, 1946, Serial No. 507,077. Published Feb. 1, 1949. Class 14.

509,549. VARIEGATED ICE CREAM AND FLAVORING MATERIALS FOR SUCH ICE CREAM—NAMELY, CHOCOLATE FUDGE POWDER. JOE LOWE CORPORATION, New York, N. Y.
Filed Feb. 3, 1948; originally filed, act of 1905, Aug. 28, 1946, Serial No. 508,160. Published Jan. 18, 1949. Class 46.

509,550. EMULSIFYING AGENTS FOR FATTY OILS, MINERAL OILS AND COMBINATIONS THEREOF, AND FOR THE TEXTILE INDUSTRY; FOR SOFTENING AND PLASTICIZING AGENTS FOR OILS; AND FOR STABILIZERS TO BE ADDED TO EMULSIONS OF RUBBER AND SIMILAR MATERIALS, ETC. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed July 10, 1947; originally filed, act of 1905, Oct. 18, 1946, Serial No. 511,070. Published JAN. 11, 1949. Class 6.

509,551. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed July 13, 1948; originally filed, act of 1905, Nov. 12, 1946, Serial No. 512,455. Published Jan. 18, 1949. Class 44.

509,552. NURSING BOTTLE NIPPLES. DAVIDSON RUBBER COMPANY, Boston, Mass.
Filed Aug. 31, 1948; originally filed, act of 1905, Nov. 27, 1946, Serial No. No. 513,299. Published Jan. 25, 1949. Class 44.

509,553. SALVE FOR THE TREATMENT OF BOILS, CARBUNCLES, INFECTIONS AND MINOR SKIN ERUPTIONS, INSECT BITES, ETC. RALPH E. MARTINEZ, doing business as Martinez Laboratories, Oxnard, Calif.
Filed Jan. 24, 1948; originally filed, act of 1905, Dec. 3, 1946, Serial No. 513,628. Published Jan. 25, 1949. Class 6.

509,554. FRUIT TREES, ROSE PLANTS, AND ORNAMENTAL TREES AND PLANTS. CALIFORNIA NURSERY COMPANY, Niles, Calif.
Filed Feb. 16, 1948; originally filed, act of 1905, Dec. 10, 1946, Serial No. 513,966. Published Feb. 1, 1949. Class 1.

509,555. HYBRID SEED CORN. LOWE SEED COMPANY, Aroma Park, Ill.
Filed Feb. 20, 1948; originally filed, act of 1905, Jan. 20, 1947, Serial No. 516,519. Published Feb. 1, 1949. Class 1.

509,556. SPECIALLY PREPARED MILK MODIFIER AND DIETETIC PRODUCT. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed July 5, 1947; originally filed, act of 1905, Jan. 30, 1947, Serial No. 516,613. Published Jan. 18, 1949. Class 6.

509,557. SPECIALLY PREPARED MILK MODIFIER AND DIETETIC PRODUCT. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed July 5, 1947; originally filed, act of 1905, Jan. 30, 1947, Serial No. 516,614. Published Jan. 18, 1949. Class 6.

509,558. HYPO-ALLERGENIC PRODUCT COMPOSED OF A HYDROLYSATE OF PROTEIN, DEXTRIN, MALTOSE, MILK FAT, AND OTHER INGREDIENTS. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed July 5, 1947; originally filed, act of 1905, Feb. 4, 1947, Serial No. 516,937. Published Dec. 7, 1948. Class 6.

509,559. BEVERAGE VENDING MACHINES. RUDD-MELIKIAN, INC., Philadelphia, Pa.
Filed Aug. 4, 1948; originally filed, act of 1905, Feb. 7, 1947, Serial No. 517,168. Published Jan. 18, 1949. Class 23.

509,560. ADHESIVE, PARTICULARLY ADAPTED FOR ADHERING INSULATING MATERIALS TO PIPES, AND FURNACES (SOLD IN POWDERED FORM). WESTERN MINERAL PRODUCTS COMPANY, Minneapolis, Minn., and Omaha, Nebr.
Filed Nov. 6, 1947; originally filed, act of 1905, Feb. 17, 1947, Serial No. 517,678. Published Jan. 11, 1949. Class 5.

509,561. HAY BALERS. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Minneapolis, Minn., now by merger, Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota.
Filed July 24, 1947; originally filed, act of 1905, Mar. 10, 1947, Serial No. 518,773. Published Feb. 1, 1949. Class 23.

509,562. MECHANICAL PENCILS. BROWN & BIGELOW, St. Paul, Minn.
Filed July 5, 1947; originally filed, act of 1905, Mar. 24, 1947, Serial No. 519,459. Published Jan. 25, 1949. Class 37.

509,563. TRUSSES FOR USE IN THE CORRECTION AND ALLEVIATION OF HERNIA. THE OHIO TRUSS COMPANY, Cincinnati, Ohio, now by change of name Surgical Appliance Industries, Inc., a corporation of Ohio.
Filed Nov. 26, 1947; originally filed, act of 1905, Apr. 17, 1947, Serial No. 520,891. Published Jan. 18, 1949. Class 44.

509,564. LAMINATED SHEET MATERIAL CONSISTING OF LAMINATED SHEETS OF VEGETABLE PARCHMENT, OTHER PAPER, PAPER AND ALUMINUM FOIL, CELLOPHANE OR SHEETS OF ACETATE, FOR USE IN PACKING FROZEN FOODS AND OTHER FOOD PRODUCTS. DAYTON LAMINATING COMPANY, West Carrollton, Ohio.
Filed Aug. 23, 1947; originally filed, act of 1905, Apr. 18, 1947, Serial No. 520,934. Published JAN. 18, 1949. Class 37.

509,565. FRESH VEGETABLES. GEORGE WILLIAMSON, Jr., Jacksonville, Tex.
Filed Oct. 28, 1947; originally filed, act of 1905, Apr. 22, 1947, Serial No. 521,164. Published Jan. 18, 1949. Class 46.

509,566. BLOTTING PAPER. ROCHESTER PAPER COMPANY, Rochester, Mich.
Filed Sept. 10, 1947; originally filed, act of 1905, Apr. 24, 1947, Serial No. 521,288. Published Jan. 18, 1949. Class 37.

509,567. FRESH CUT FLOWERS. WHITE BROS. ROSE CORP., Medina, N. Y.
Filed June 23, 1948; originally filed, act of 1905, Apr. 24, 1947, Serial No. 521,300. Published Feb. 1, 1949. Class 1.

509,568. PREPARED MIX OF FLOUR, SHORTENING, DRY SKIM MILK, BAKING POWDER, EGGS, FLAVOR, FOR USE IN MAKING COOKIES AND DOUGHNUTS. HUGO SCHEPCAK, doing business as Angel Cream Donut Flour Company, Dallas, Tex.
Filed June 17, 1948; originally filed, act of 1920, Apr. 25, 1947, Serial No. 521,363. Published Jan. 18, 1949. Class 46.

509,569. FUR SKINS, HIDES, AND PELTS. FOUKE FUR COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,183. Published Feb. 1, 1948. Class 1.

509,570. FUR SKINS, HIDES, AND PELTS. FOUKE FUR COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,189. Published Feb. 1, 1949. Class 1.

509,571. INCENSE. HINDU INCENSE MANUFACTURING CO., Chicago, Ill.
Filed July 5, 1947, Serial No. 527,376. Published Jan. 13, 1948. Class 6.

509,572. PREPARATION FOR THE TREATMENT OF ESSENTIAL HYPERTENSION, ARTERIOSCLEROSIS, THROMBOSIS AND IMPAIRED CORONARY CIRCULATION, CARDIAC DISTURBANCES AND ANGINA PECTORIS. TABLE ROCK LABORATORIES, INC., Greenville, S. C.
Filed July 5, 1947, Serial No. 527,426. Published Nov. 23, 1948. Class 6.

509,573. WRITING, TYPEWRITER, AND PRINTING PAPER. VALLEY PAPER COMPANY, Holyoke, Mass.
Filed July 5, 1947, Serial No. 527,510. Published Jan. 4, 1949. Class 37.

509,574. WRITING, TYPEWRITER, AND PRINTING PAPER. VALLEY PAPER COMPANY, Holyoke, Mass.
Filed July 5, 1947, Serial No. 527,573. Published Jan. 4, 1949. Class 37.

509,575. CIGARS. THE B. P. TOPPER CIGAR COMPANY, McSherrystown, Pa., assignor to Curtis R. Topper, Meriden, Conn.
Filed July 5, 1947, Serial No. 527,796. Published Jan. 18, 1949. Class 17.

509,576. WRITING, TYPEWRITER, AND PRINTING PAPER. VALLEY PAPER COMPANY, Holyoke, Mass.
Filed July 5, 1947, Serial No. 527,856. Published Jan. 4, 1949. Class 37.

509,577. FERTILIZERS. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 12, 1947, Serial No. 528,420. Published Dec. 28, 1948. Class 10.

509,578. BI-MONTHLY PUBLICATION. CAPPER-HARMAN-SLOCUM, INC., Cleveland, Ohio.
Filed July 12, 1947, Serial No. 528,429. Published Jan. 18, 1949. Class 38.

509,579. LOOMS AND PARTS THEREOF, USED IN WEAVING TEXTILE FABRICS. CROMPTON & KNOWLES LOOM WORKS, Worcester, Mass.
Filed July 12, 1947, Serial No. 528,432. Published Feb. 1, 1949. Class 23.

509,580. LOOMS AND PARTS THEREOF, USED IN WEAVING TEXTILE FABRICS. CROMPTON & KNOWLES LOOM WORKS, Worcester, Mass.
Filed July 12, 1947, Serial No. 528,433. Published Feb. 1, 1949. Class 23.

509,581. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS. LES PARFUMS NORANTE, SOCIETE A RESPONSABILITE LIMITEE, Melun, France.
Filed July 12, 1947, Serial No. 528,494. Published Jan. 25, 1949. Class 6.

509,582. FERTILIZERS. DARLING AND COMPANY, Chicago, Ill.
Filed July 14, 1947, Serial No. 528,558. Published Nov. 30, 1948. Class 10.

509,583. BULBS AND CUT FLOWERS. HUBERT D. WILSON, doing business as Wilson Bulb Farms, Albany, Ga.
Filed July 14, 1947, Serial No. 528,597. Published Feb. 1, 1949. Class 1.

509,584. BI-MONTHLY PUBLICATION. CAPPER-HARMAN-SLOCUM, INC., Cleveland, Ohio.
Filed July 16, 1947, Serial No. 528,691. Published Jan. 18, 1949. Class 38.

509,585. WAX DERIVED FROM PETROLEUM FOR USE IN COMPOUNDING RUBBER STOCKS AND FOR IMPREGNATING PAPER, TEXTILES, AND COMPOSITION SHEET MATERIAL. THE C. P. HALL COMPANY, Akron, Ohio.
Filed July 17, 1947, Serial No. 528,790. Published Jan. 25, 1949. Class 6.

509,586. FLUID MILK AND CREAM. BOWMAN DAIRY COMPANY, Chicago, Ill.
Filed July 24, 1947, Serial No. 529,350. Published Jan. 18, 1949. Class 46.

509,587. FRESH DATES. GARDEN OF THE SETTINO SUN, INC., Mecca, Calif.
Filed July 28, 1947, Serial No. 529,750. Published Jan. 18, 1949. Class 46.

509,588. CANNED MACKEREL. SEABIRD FISHERIES COMPANY, Long Beach, Calif.
Filed July 28, 1947, Serial No. 529,827. Published Jan. 18, 1949. Class 46.

509,589. PLOW SHARES AND CULTIVATOR SHOVELS. DEERE & COMPANY, Moline, Ill.
Filed Aug. 1, 1947, Serial No. 530,178. Published Jan. 18, 1949. Class 23.

509,590. FRESH AND STORAGE EGGS, AND DRESSED POULTRY, AND FROZEN CANNED EGGS. FARMERS PRODUCE CO., Tripoli, Iowa.
Filed Aug. 1, 1947, Serial No. 530,182. Published Jan. 18, 1949. Class 46.

509,591. TIRE TOOLS—NAMELY, BEAD BREAKERS, AND TIRE PRESSES, JACK SADDLES, AND COIL SPRING SPACERS. HEWITT'S INCORPORATED, Medicine Lodge, Kans.
Filed Aug. 2, 1947, Serial No. 530,310. Published Jan. 18, 1949. Class 23.

509,592. COMPOSITE GUIDES FOR CARD FILING EQUIPMENT. DIEBOLD, INCORPORATED, Canton, Ohio.
Filed Aug. 4, 1947, Serial No. 530,390. Published Jan. 18, 1949. Class 37.

509,593. WRITING, LEDGER, BOND MANIFOLD AND DUPLICATING PAPERS AND SCHOOL TABLETS. THE REYNOLDS MANUFACTURING COMPANY, Holyoke, Mass.
Filed Aug. 9, 1947, Serial No. 530,959. Published Jan. 11, 1949. Class 37.

509,594. PISTON RINGS. MOOG INDUSTRIES, INC., St. Louis, Mo.
Filed Aug. 11, 1947, Serial No. 531,046. Published Feb. 1, 1949. Class 35.

509,595. CHEMICAL FERTILIZERS. THE CONSOLIDATED MINING AND SMELTING COMPANY OF CANADA LIMITED, Montreal, Quebec, Canada.
Filed Aug. 14, 1947, Serial No. 531,314. Published Jan. 11, 1949. Class 10.

509,596. BRISTOL BOARD, TISSUE, AND WRAPPING PAPERS. DETROIT SULPHITE PULP AND PAPER COMPANY, Detroit, Mich.
Filed Aug. 15, 1947, Serial No. 531,450. Published Jan. 25, 1949. Class 37.

509,597. GARMENT HANGERS. MACKIE-LOVEJOY MFG. CO., Chicago, Ill.
Filed Aug. 15, 1947, Serial No. 531,493. Published Jan. 25, 1949. Class 50.

509,598. SELF-RISING FLOUR, WHEAT FLOUR, AND FEEDS FOR LIVESTOCK AND POULTRY. ATLANTA MILLING COMPANY, Atlanta, Ga.
Filed Aug. 18, 1947, Serial No. 531,640. Published Jan. 18, 1949. Class 46.

509,599. MACHINES FOR HOLDING, MOVING, LIFTING, MEASURING, CUTTING, AND SLITTING SHEET MATERIAL; PARTS FOR SUCH MACHINES, COLLAPSIBLE CORES FOR HANDLING ROLLS OF SHEET MATERIAL AND PARTS THEREFOR. RALPHS-PUOH COMPANY, INC., San Francisco, Calif.
Filed Aug. 18, 1947, Serial No. 531,717. Published Feb. 1, 1949. Class 23.

509,600. ACETAL, ACETALDEHYDE, ACETAMIDE, ACETIC ACID, ETC. GRIFFIN CHEMICAL COMPANY, San Francisco, Calif.
Filed Aug. 19, 1947, Serial No. 531,801. Published Nov. 30, 1948. Class 6.

509,601. DIESEL ENGINE EQUIPMENT—NAMELY, FUEL PUMPS, INJECTORS, VALVES, AND NOZZLES. AIRCRAFT & DIESEL EQUIPMENT CORPORATION, Chicago, Ill.
Filed Aug. 20, 1947, Serial No. 531,876. Published Feb. 1, 1949. Class 23.

509,602. VEGETABLE AND FLOWER SEEDS, BULBS, AND PLANTS; AND SOIL. JAMES VICK'S SEEDS, INC., Philadelphia, Pa.
Filed Aug. 22, 1947, Serial No. 532,179. Published Jan. 25, 1949. Class 1.

509,603. PAPER, CLOTH, AND CARDBOARD FILES, AND MOUNTS FOR PHOTOGRAPHIC NEGATIVES, ETC. AMERICO FILE AND INDEX COMPANY, Kankakee, Ill.
Filed Aug. 27, 1947, Serial No. 532,536. Published Jan. 4, 1949. Class 37.

509,604. OINTMENT AND POWDER FOR ATHLETE'S FOOT. BRUNSWICK LABORATORIES, INC., Chicago, Ill.
Filed Aug. 28, 1947, Serial No. 532,680. Published Dec. 7, 1948. Class 6.

509,605. MACHINE FOR FEEDING STATIONERY THROUGH AN ADDRESSING MACHINE. UARCO INCORPORATED, Chicago, Ill.
Filed Aug. 28, 1947, Serial No. 532,768. Published Feb. 1, 1949. Class 23.

509,606. AMMONIA AND BLEACH. WM. MONTGOMERY COMPANY, Philadelphia, Pa.
Filed Sept. 2, 1947, Serial No. 533,040. Published Jan. 4, 1949. Class 6.

509,607. RING GEARS AND PINIONS, PRESSURE PLATES, TIMING CHAINS, TRANSMISSION GEARS, CLUTCH COVER PARTS, CLUTCH PLATES, AND TIMING GEARS. PERFECTION GEAR COMPANY, Harvey, Ill.
Filed Sept. 2, 1947, Serial No. 533,047. Published Feb. 1, 1949. Class 23.

509,608. COATED METAL WELDING RODS. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed Sept. 4, 1947, Serial No. 533,255. Published Feb. 1, 1949. Class 14.

509,609. PACKING RINGS. RATBESTOS-MANHATTAN, INC., Passaic, N. J.
Filed Sept. 4, 1947, Serial No. 533,386. Published Feb. 1, 1949. Class 35.

509,610. PACKING RINGS. RATBESTOS-MANHATTAN, INC., Passaic, N. J.
Filed Sept. 4, 1947, Serial No. 533,388. Published Feb. 1, 1949. Class 35.

509,611. HAIR TONIC. JOAQUIM RODRIGUEZ, Los Angeles, Calif.
Filed Sept. 6, 1947, Serial No. 533,677. Published Dec. 28, 1948. Class 6.

509,612. FERTILIZER. THE STADLER PRODUCTS COMPANY, Cleveland Ohio, assignor to The Stadler Fertilizer Company, Cleveland, Ohio.
Filed Sept. 9, 1947, Serial No. 533,937. Published Jan. 18, 1949. Class 10.

509,613. COMBINATION PAPER CLIP AND PORTABLE BACKER FOR WRITING PAPER. BICKLEY MANUFACTURING CO., Bala-Cynwyd, Pa.
Filed Sept. 10, 1947, Serial No. 533,980. Published Jan. 11, 1949. Class 37.

509,614. CORRESPONDENCE AND MAILING ENVELOPES. CURTIS 1000 INC., St. Paul, Minn.
Filed Sept. 10, 1947, Serial No. 534,001. Published Jan. 18, 1949. Class 37.

509,615. FILING ENVELOPES. CURTIS 1000 INC., St. Paul, Minn.
Filed Sept. 10, 1947, Serial No. 534,002. Published Jan. 18, 1949. Class 37.

509,616. MAILING AND CORRESPONDENCE ENVELOPES. CURTIS 1000 INC., St. Paul, Minn.
Filed Sept. 10, 1947, Serial No. 534,003. Published Jan. 18, 1949. Class 37.

509,617. AGRICULTURAL MACHINES—NAMELY, HARVESTERS. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee, Wis.
Filed Sept. 17, 1947, Serial No. 534,717. Published Feb. 1, 1949. Class 23.

509,618. SHOTGUN AND RIFLE RECOIL PADS. JOSTAM MANUFACTURING CO., Peotone, Ill.
Filed Sept. 19, 1947, Serial No. 535,044. Published Dec. 14, 1948. Class 9.

509,619. PREPARATION FOR DIABETES, ASTHMA AND A PILE LOTION. ALBERT S. SHARPE, doing business under the name of Ephalis Medicine Co., Detroit, Mich.
Filed Sept. 19, 1947, Serial No. 535,086. Published Dec. 28, 1948. Class 6.

509,620. PENCIL SHARPENING MACHINES AND REPLACEABLE CUTTERS USED IN THE SAID MACHINES. J. R. KRAMER MANUFACTURING COMPANY, Los Angeles, Calif.
Filed Sept. 23, 1947, Serial No. 535,329. Published Jan. 18, 1949. Class 23.

509,621. COTTONSEED OIL. WESSON OIL & SNOWDRIFT CO., INC., New Orleans, La.
Filed Sept. 24, 1947, Serial No. 535,667. Published Jan. 18, 1949. Class 46.

509,622. FLOWERS GROWN FROM SEEDS, BULBS, BULBLETS, CORMS, CORMELS, AND SLIPS. ALBERT W. DAVIDSON, Arcadia, Calif.
Filed Sept. 25, 1947, Serial No. 535,090. Published Jan. 25, 1949. Class 1.

509,623. SHAFT COUPLINGS AS USED IN POWER TRANSMISSIONS. CHARLES BOND COMPANY, Philadelphia, Pa.
Filed Sept. 29, 1947, Serial No. 536,039. Published Jan. 18, 1949. Class 23.

509,624. SHAFT COUPLINGS AS USED IN POWER TRANSMISSIONS. CHARLES BOND COMPANY, Philadelphia, Pa.
Filed Sept. 29, 1947, Serial No. 536,040. Published Jan. 18, 1949. Class 23.

509,625. CHEMICAL PREPARATION USED IN TREATING WATER TO ELIMINATE OXYGEN AND FOR THE REMOVAL AND PREVENTION OF SCALE, SLUDGE AND OTHER HARMFUL ACCUMULATIONS OR GROWTHS IN CONDENSERS, ETC. THE KLENZOID CORPORATION, Philadelphia, Pa.
Filed Sept. 29, 1947, Serial No. 536,097. Published Dec. 7, 1948. Class 6.

509,626. PLANT FOOD, BONE MEAL, DEHYDRATED MANURE, AGRICULTURAL LIME, AND PEAT MOSS USED AS A SOIL CONDITIONER. A. H. HOFFMAN, INC., Landisville, Pa.
Filed Sept. 30, 1947, Serial No. 536,253. Published Feb. 1, 1949. Class 10.

509,627. WRITING PAPER, LABEL STOCK, AND CONVERTING PAPER. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass.
Filed Oct. 1, 1947, Serial No. 536,388. Published Jan. 18, 1949. Class 37.

509,628. TAG AND CONVERTING PAPERS. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass.
Filed Oct. 1, 1947, Serial No. 536,389. Published Jan. 18, 1949. Class 37.

509,629. TAG AND CONVERTING PAPERS. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass.
Filed Oct. 1, 1947, Serial No. 536,393. Published Jan. 18, 1949. Class 37.

509,630. WRAPPING, ENVELOPE, AND CONVERTING PAPER. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass.
Filed Oct. 1, 1947, Serial No. 536,394. Published Jan. 18, 1949. Class 37.

509,631. DITCHING SPADES, SHOVELS, FURNACE SCOOPS, HAY FORKS, LOPPING SHEARS, ETC. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo.
Filed Oct. 2, 1947, Serial No. 536,566. Published Jan. 18, 1949. Class 23.

509,632. TRACTORS AND PARTS THEREOF. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed Oct. 3, 1947, Serial No. 536,604. Published Jan. 18, 1949. Class 23.

509,633. COATED AND WATERPROOFED PAPER IN WHICH THE PAPER STOCK IS OF THE SULPHITE TYPE. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,816. Published Jan. 18, 1949. Class 37.

509,634. COSMETICS—NAMELY, FACE AND HAND LOTIONS, ETC. RHODE ISLAND LABORATORIES, INC., West Warwick, R. I.
Filed Oct. 4, 1947, Serial No. 536,836. Published Jan. 18, 1949. Class 6.

509,635. SPORTING AND TARGET RIFLES, CARTRIDGE LOADING TOOLS DESIGNED FOR USE IN LOADING AND RELOADING AMMUNITION FOR THESE RIFLES, ETC. VERNOR GIBSON, Worth, Ill.
Filed Oct. 6, 1947, Serial No. 536,892. Published Dec. 7, 1948. Class 9.

509,636. FOUNTAIN PENS AND WRITING PENCILS. COLONIAL PEN CORPORATION, New York, N. Y.
Filed Oct. 7, 1947, Serial No. 537,009. Published Jan. 11, 1949. Class 37.

509,637. CAST IRON METAL MOLDS USED FOR CASTING FERROUS AND NON-FERROUS METALS, ETC. VULCAN MOLD & IRON COMPANY, Latrobe, Pa.
Filed Oct. 7, 1947, Serial No. 537,108. Published Feb. 1, 1949. Class 14.

509,638. VETERINARY PREPARATIONS IN TABLET, LIQUID, AND POWDERED FORM, ETC. L. A. MOSHER COMPANY, Atlanta, Ga.
Filed Oct. 8, 1947, Serial No. 537,217. Published Jan. 18, 1949. Class 6.

509,639. INSECTICIDES. ANDREW WILSON, INC., Springfield, N. J.
Filed Oct. 8, 1947, Serial No. 537,267. Published Jan. 11, 1949. Class 6.

509,640. NAIL ENAMEL, NAIL POLISH, NAIL PASTE AND POWDER, TREATMENT FOR THE HANDS IN CREAM LOTION AND POWDER FORM, CUTICLE REMOVER FOR THE NAILS, CUTICLE OIL, CUTICLE CREAM, ETC. PEGGY SAGE, INC., Stamford, Conn.
Filed Oct. 10, 1947, Serial No. 537,510. Published Jan. 11, 1949. Class 6.

509,641. GUMMED CLOTH PHOTO HINGES. MOUNTIRA, INC., Boston, Mass.
Filed Oct. 11, 1947, Serial No. 537,607. Published Jan. 11, 1949. Class 37.

509,642. PISTON RINGS. PERFECT CIRCLE CORPORATION, Hagerstown, Ind.
Filed Oct. 11, 1947, Serial No. 537,615. Published Feb. 1, 1949. Class 35.

509,643. ASBESTOS BRAKE LINING AND CLUTCH FACINGS. ASBESTOS MANUFACTURING COMPANY, Huntington, Ind.
Filed Oct. 14, 1947, Serial No. 537,782. Published Feb. 1, 1949. Class 35.

509,644. FOUNTAIN PENS AND WRITING PENCILS. COLONIAL PEN CORPORATION, New York, N. Y.
Filed Oct. 14, 1947, Serial No. 537,785. Published Jan. 11, 1949. Class 37.

509,645. FOUNTAIN PENS AND WRITING PENCILS. COLONIAL PEN CORPORATION, New York, N. Y.
Filed Oct. 14, 1947, Serial No. 537,786. Published Jan. 11, 1949. Class 37.

509,646. CALCIUM CHLORIDE. FAERT & BESTHOFF, INC., New York, N. Y.
Filed Oct. 17, 1947, Serial No. 538,115. Published Jan. 11, 1949. Class 6.

509,647. MINERAL FERTILIZER INGREDIENTS USED AS SOIL STIMULANTS. SCIENTIFIC SOIL IMPROVEMENT CORP., New York, N. Y., assignor to Scientific Soil Products, Inc., New York, N. Y., a corporation of Delaware.
Filed Oct. 18, 1947, Serial No. 538,316. Published Jan. 11, 1949. Class 10.

509,648. LEATHER BELTING. PETRIFF BROS., Brooklyn, N. Y.
Filed Oct. 20, 1947, Serial No. 538,445. Published Feb. 1, 1949. Class 35.

509,649. LIP STICKS. THE GUERLAIN PERFUMERY CORPORATION, New York, N. Y.
Filed Oct. 21, 1947, Serial No. 538,538. Published Nov. 23, 1948. Class 6.

509,650. FACE POWDER. THE GUERLAIN PERFUMERY CORPORATION, New York, N. Y.
Filed Oct. 21, 1947, Serial No. 538,539. Published Dec. 21, 1948. Class 6.

509,651. DENTIFRICES AND MOUTH WASHES. THE GUERLAIN PERFUMERY CORPORATION, New York, N. Y.
Filed Oct. 21, 1947, Serial No. 538,540. Published Dec. 21, 1948. Class 6.

509,652. LEATHER PACKINGS. HORACE G. PRESTON COMPANY, Detroit, Mich.
Filed Oct. 21, 1947, Serial No. 538,560. Published Feb. 1, 1949. Class 35.

509,653. LIGNIN REINFORCED RUBBER. MARATHON CORPORATION, Rothschild, Wis.
Filed Oct. 22, 1947, Serial No. 538,647. Published Jan. 25, 1949. Class 1.

509,654. COMPLETE AND SECTIONAL PRE-BUILT DWELLINGS, COTTAGES, BUNGALOWS, TOURIST CABINS, OFFICES, STORES, AND GARAGES OF WOOD OR METAL AND WOOD. WARREN PORTAHOME COMPANY, INC., Mays Landing, N. J., assignor to John T. Warren, Mays Landing, N. J.
Filed Oct. 22, 1947, Serial No. 538,687. Published Jan. 11, 1949. Class 12.

509,655. PAPER TABLETS, ENVELOPES, AND PAPETERIES, I. E., STATIONERY COMPRISING ENVELOPES AND/OR PAPER EITHER FLAT OR FOLDED, PUT UP IN BOXES, PORTFOLIOS, OR BANDED PACKAGES. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed Oct. 22, 1947, Serial No. 538,688. Published Jan. 11, 1940. Class 37.

509,656. PAPER TABLETS; LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE PUT UP IN WRAPPED PACKAGES, ETC. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed Oct. 22, 1947, Serial No. 538,689. Published Jan. 11, 1949. Class 37.

509,657. PAPER TABLETS; ACCOUNT, DATA, OR ORDER BOOKS, ETC. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed Oct. 22, 1947, Serial No. 538,692. Published Jan. 11, 1949. Class 37.

509,658. CARBURETORS. AUTOMOTIVE UTILITIES, INC., Chicago, Ill.
Filed Oct. 23, 1947, Serial No. 538,707. Published Jan. 25, 1940. Class 23.

509,659. ADHESIVELY COATED CLOTH, ADHESIVELY COATED CLOTH AND PAPER LAMINATED, ADHESIVELY COATED PAPER WITH UNWOVEN FIBER REINFORCEMENT, AND ADHESIVELY COATED PAPER TAPE. NASHUA GUMMED AND COATED PAPER COMPANY, Nashua, N. H.
Filed Oct. 24, 1947, Serial No. 538,948. Published Jan. 18, 1949. Class 5.

509,660. SHOVELS AND AXES. RECTOR TRADING CORPORATION, New York, N. Y.
Filed Oct. 27, 1947, Serial No. 539,211. Published Jan. 25, 1949. Class 23.

509,661. CANNED FRUITS, CANNED ORANGE JUICE AND CANNED GRAPEFRUIT JUICE, CANNED CRANBERRY SAUCE AND CANNED APPLE SAUCE, FRUIT PRESERVES, JELLIES, ORANGE MARMALADE, ETC. TAYLOR & SLEDD, INC., Richmond, Va.
Filed Oct. 27, 1947, Serial No. 539,285. Published Jan. 18, 1949. Class 46.

509,662. REAR-VIEW AUTOMOBILE MIRRORS. WHITEHEAD STAMPING COMPANY, Detroit, Mich.
Filed Oct. 27, 1947, Serial No. 539,249. Published Jan. 4, 1949. Class 19.

509,663. HAARLEM OIL FOR KIDNEY, LIVER, BLADDER, RHEUMATIC, AND URIC-ACID TROUBLES. GOLD MEDAL HAARLEM OIL CORPORATION, Jersey City, N. J.
Filed Oct. 28, 1947, Serial No. 539,311. Published Jan. 18, 1949. Class 6.

509,664. COFFEE, TEA, FOOD FLAVORING EXTRACTS, AND CHILI POWDER. COMMERCIAL IMPORTING CO., Seattle, Wash.
Filed Oct. 30, 1947, Serial No. 539,495. Published Jan. 18, 1949. Class 46.

509,665. EXPANDED PERLITE FOR USE AS A SOIL CONDITIONER. DANT & RUSSELL, INC., Portland, Oreg.
Filed Oct. 31, 1947, Serial No. 539,669. Published Feb. 1, 1949. Class 10.

509,666. NEWSPAPER AND MAGAZINE FEATURE OR COLUMN PUBLISHED PERIODICALLY. THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa.
Filed Oct. 31, 1947, Serial No. 539,758. Published Jan. 25, 1949. Class 38.

509,667. MACARONI, SPAGHETTI, VERMICELLI, NOODLES, AND VARIETIES THEREOF CALLED ALIMENTARY PASTE GOODS. THE JOHN B. CANEPA COMPANY, Chicago, Ill.
Filed Nov. 1, 1947, Serial No. 539,850. Published Jan. 18, 1949. Class 46.

509,668. FEED FOR DOMESTIC ANIMALS AND FOWL, ETC. ELM GROVE MILLING COMPANY, Elm Grove, Wis.
Filed Nov. 1, 1947, Serial No. 539,864. Published Jan. 18, 1949. Class 46.

509,669. INK PENCILS AND MECHANICAL PENCILS. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y.
Filed Nov. 3, 1947, Serial No. 539,945. Published Jan. 18, 1949. Class 37.

509,670. EMBALMING PREPARATIONS. FRIGID FLUID COMPANY, Chicago, Ill.
Filed Nov. 3, 1947, Serial No. 539,949. Published Dec. 7, 1948. Class 6.

509,671. SHAMPOO IN CREAM FORM. BONNE BELL, INC., Lakewood, Ohio.
Filed Nov. 4, 1947, Serial No. 540,026. Published Feb. 1, 1949. Class 6.

509,672. TOILET PAPER TISSUE. WORTENDYKE MANUFACTURING COMPANY, Richmond, Va.
Filed Nov. 4, 1947, Serial No. 540,131. Published Jan. 4, 1949. Class 37.

509,673. TOOTHPICKS. HARDWOOD PRODUCTS COMPANY, Mayville, Mich.
Filed Nov. 5, 1947, Serial No. 540,189. Published Feb. 1, 1949. Class 44.

509,674. VITAMIN CONCENTRATES. THE STUART COMPANY, Pasadena, Calif.
Filed Nov. 6, 1947, Serial No. 540,337. Published Jan. 4, 1949. Class 6.

509,675. MECHANICAL PENCILS AND FOUNTAIN PENS. THE ALMO SALES CORPORATION, Stratford, Conn.
Filed Nov. 10, 1947, Serial No. 540,608. Published Jan. 18, 1949. Class 37.

509,676. CANNED FRUITS. FRUITVALE CANNING COMPANY, Oakland, Calif.
Filed Nov. 10, 1947, Serial No. 540,660. Published Jan. 4, 1949. Class 46.

509,677. TYPEWRITING PAPER, PRINTING PAPER, AND ENVELOPES USED FOR CORRESPONDENCE. MAJESTIC PAPER CORPORATION, New York, N. Y.
Filed Nov. 10, 1947, Serial No. 540,689. Published Jan. 11, 1949. Class 37.

509,678. PLASTIC MOLDING POWDERS; LIQUID PLASTIC COMPOUNDS AND DOUGHS READY FOR EXTRUSION AND CALENDERING; ETC. DURBI-WALLACE AND COMPANY, New York, N. Y.
Filed Nov. 12, 1947, Serial No. 540,799. Published Feb. 1, 1949. Class 1.

509,679. FOLIC ACID PARENTERAL PRODUCT. BRISTOL LABORATORIES INC., Syracuse, N. Y.
Filed Nov. 18, 1947, Serial No. 541,506. Published Jan. 18, 1949. Class 6.

509,680. TOILET WATER, BATH OIL, COLOGNE, FACE POWDER, AND BATH POWDER. HARRIET HUBBARD AYER, INC., New York, N. Y.
Filed Nov. 25, 1947, Serial No. 542,260. Published Jan. 11, 1949. Class 6.

509,681. MAGAZINE. WATCHTOWER BIBLE AND TRACT SOCIETY, INC., Brooklyn, N. Y.
Filed Nov. 25, 1947, Serial No. 542,377. Published Jan. 18, 1949. Class 38.

509,682. GUMMED PAPER TAPE. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed Sept. 9, 1947, Serial No. 542,401. Published Jan. 11, 1949. Class 5.

509,683. TABLETS, PAPETERIES, AND CORRESPONDENCE ENVELOPES. S. H. KRESS AND COMPANY, New York, N. Y.
Filed Sept. 16, 1947, Serial No. 542,412. Published Feb. 1, 1949. Class 37.

509,684. WRENCHES AND TWISTING TOOL SETS FOR NUT, STUD, AND BOLT DRIVING. BLACKHAWK MFG. CO., Milwaukee, Wis.
Filed Nov. 26, 1947, Serial No. 542,433. Published Jan. 25, 1949. Class 23.

509,685. FRESH VEGETABLES. CENTRAL COAST MARKETING ASSOCIATION, INC., Watsonville, Calif.
Filed Dec. 1, 1947, Serial No. 542,807. Published Jan. 18, 1949. Class 46.

509,686. ALUMINUM AND ALUMINUM ALLOYS CHEMICALLY COATED AND WITH OR WITHOUT SUBSEQUENT APPLICATION OF SICCATIVE COATING. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa.
Filed Dec. 2, 1947. CERTIFICATION MARK. Serial No. 542,901. Published Feb. 1, 1949. Class 14.

509,687. TOILET LOTIONS. ELMO, INC., Philadelphia, Pa.
Filed Sept. 17, 1947, Serial No. 543,027. Published Jan. 11, 1949. Class 6.

509,688. INSECTICIDES. GEIGY COMPANY, INC., New York, N. Y.
Filed Dec. 3, 1947, Serial No. 543,175. Published Nov. 30, 1948. Class 6.

509,689. NATURAL CHRISTMAS TREES. HALVORSON TREES, INCORPORATED, Duluth, Minn., assignor to Halvorson Trees, Duluth, Minn., a firm.
Filed Dec. 3, 1947, Serial No. 543,180. Published Jan. 25, 1940. Class 1.

509,690. BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER. NEENAH PAPER COMPANY, Neenah, Wis.
Filed Dec. 4, 1947, Serial No. 543,316. Published Jan. 11, 1949. Class 37.

509,691. FOUNTAIN PENS OF THE BALL-POINT TYPE. WESTON INTERNATIONAL ASSOCIATES, New York, N. Y.
Filed Dec. 6, 1947, Serial No. 543,673. Published Jan. 11, 1949. Class 37.

509,692. EMULSIFYING, DISPERSING, SOLUBILIZING, AND WETTING AGENTS. ATLAS POWDER COMPANY, Wilmington, Del.
Filed Dec. 10, 1947, Serial No. 543,871. Published Dec. 21, 1948. Class 6.

509,693. CASEMENT WINDOW UNITS (I. E., WINDOW UNITS OF THE CASEMENT TYPE COMPRISING APPROPRIATELY ASSEMBLED SASH, FRAME, AND HARDWARE). THE CASEMENT HARDWARE COMPANY, Chicago, Ill.
Filed Dec. 10, 1947. CERTIFICATION MARK. Serial No. 543,884. Published Jan. 11, 1949. Class 12.

509,694. CUT FLOWERS. KENNICOTT BROS. COMPANY, Chicago, Ill.
Filed Dec. 10, 1947, Serial No. 543,936. Published Jan. 25, 1949. Class 1.

509,695. ROSIN. NEWPORT INDUSTRIES, INC., Pensacola, Fla.
Filed Dec. 10, 1947, Serial No. 543,979. Published Jan. 25, 1949. Class 1.

509,696. LEATHER. J. LICHTMAN & SONS, Newark, N. J.
Filed Dec. 11, 1947, Serial No. 544,095. Published Jan. 25, 1949. Class 1.

509,697. CLEANSING TISSUES. SAN-NAP-PAK MANUFACTURING CO., INC., New York, N. Y.
Filed Dec. 12, 1947, Serial No. 544,201. Published Jan. 4, 1949. Class 37.

509,698. BATHROOM TISSUES. SAN-NAP-PAK MANUFACTURING CO., INC., New York, N. Y.
Filed Dec. 12, 1947, Serial No. 544,202. Published Jan. 4, 1949. Class 37.

509,699. FRESH CITRUS FRUITS. SAN FERNANDO LEMON ASSOCIATION, San Fernando, Calif.
Filed Dec. 16, 1947, Serial No. 544,466. Published Jan. 18, 1949. Class 46.

509,700. SILICATE OF SODA. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Sept. 23, 1947, Serial No. 544,502. Published Jan. 11, 1949. Class 6.

509,701. SILICATE OF SODA. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Sept. 23, 1947, Serial No. 544,503. Published Jan. 11, 1949. Class 6.

509,702. RUBBER ERASERS, RUBBER BANDS, LEAD PENCILS, AND INDELIBLE PENCILS. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y.
Filed Dec. 17, 1947, Serial No. 544,555. Published Jan. 4, 1949. Class 37.

509,703. SKIN OINTMENT FOR PIMPLES, ACNE, ECZEMA, POISON IVY, PSORIASIS, AND SIMILAR SKIN AND SCALP AILMENTS. MADELEINE LABORATORIES, INC., Wilmington, Del.
Filed Oct. 21, 1947, Serial No. 544,652. Published Feb. 1, 1949. Class 6.

509,704. MATCHES. THE OHIO MATCH COMPANY, Wadsworth, Ohio.
Filed Oct. 27, 1947, Serial No. 544,667. Published Jan. 11, 1949. Class 9.

509,705. MATCHES. THE OHIO MATCH COMPANY, Wadsworth, Ohio.
Filed Oct. 27, 1947, Serial No. 544,668. Published Jan. 11, 1949. Class 9.

509,706. MOTORCYCLES AND CONSTRUCTIVE PARTS THEREOF. INDIAN MOTOCYCLE COMPANY, Springfield, Mass.
Filed Dec. 20, 1947, Serial No. 545,002. Published Jan. 11, 1949. Class 19.

509,707. BATTS AND BATTING MATERIALS, MADE OF COTTON, WOOL, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Dec. 22, 1947, Serial No. 545,175. Published Jan. 25, 1949. Class 1.

509,708. HYDRAULIC LIFT TRAILERS FOR ATTACHMENT TO AUTOMOBILES OR LIGHT TRUCKS FOR MOVING COMPARATIVELY LIGHT OBJECTS. CORUM & HALLOCK MFG. CO., Kansas City, Mo.
Filed Dec. 23, 1947, Serial No. 545,238. Published Jan. 4, 1949. Class 19.

509,709. PREPARATION FOR THE TREATMENT OF GOUT AND RHEUMATISM. ETIENNE BEJEAN, Paris, France.
Filed Jan. 2, 1948, Serial No. 545,945. Published Jan. 25, 1949. Class 6.

509,710. LOOSE LEAF BINDERS. NATIONAL BLANK BOOK COMPANY, Riverside, Holyoke, Mass.
Filed Jan. 2, 1948, Serial No. 546,013. Published Jan. 4, 1949. Class 37.

509,711. SPOKES AND NIPPLES FOR WHEELS OF CYCLE VEHICLES; PEDALS FOR BICYCLES AND MOTORCYCLES; HANDLE BARS AND HANDLE BAR STEMS. THE TORRINGTON COMPANY, Torrington, Conn.
Filed Jan. 2, 1948, Serial No. 546,071. Published Jan. 4, 1949. Class 19.

509,712. COAL. CROZER-POCAHONTAS COMPANY, Philadelphia, Pa.
Filed Jan. 5, 1948, Serial No. 546,191. Published Jan. 25, 1949. Class 1.

509,713. BOND PAPERS, BRISTOL BOARD, GLASSINE, OFFSET PAPERS, TISSUE PAPER, PAPER BOARD, AND PRINTING PAPERS. CENTRAL NATIONAL CORPORATION, New York, N. Y.
Filed Jan. 8, 1948, Serial No. 546,465. Published Jan. 4, 1949. Class 37.

509,714. BOND PAPERS, BRISTOL BOARD, GLASSINE, OFFSET PAPERS, TISSUE PAPER, PAPER BOARD, AND PRINTING PAPERS. CENTRAL NATIONAL CORPORATION, New York, N. Y.
Filed Jan. 8, 1948, Serial No. 546,466. Published Jan. 4, 1949. Class 37.

509,715. COAL. THE RELIANCE COAL AND COKE CO., Cincinnati, Ohio.
Filed Jan. 9, 1948, Serial No. 546,607. Published Feb. 1, 1949. Class 1.

509,716. STABILIZED ROSIN. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed Jan. 10, 1948, Serial No. 546,695. Published Feb. 1, 1949. Class 1.

509,717. MINERAL WATERS FOR MEDICINAL PURPOSES, EFFERVESCENT CRYSTALS, AND LAXATIVE PILLS. PLUTO CORPORATION, French Lick, Ind.
Filed Jan. 10, 1948, Serial No. 546,728. Published Jan. 25, 1949. Class 6.

509,718. AUTOMOBILE SEAT COVERS. BEN PEPPERMAN MOTOR SALES CORPORATION, South Bend, Ind.
Filed Jan. 15, 1948, Serial No. 547,106. Published Jan. 11, 1949. Class 19.

509,719. PERFUMES, FACE CREAMS, ROUGE. SOCIETE ANONYME, BIENAIME, Paris, France.
Filed Jan. 15, 1948, Serial No. 547,161. Published Jan. 18, 1949. Class 6.

509,720. PIGMENT COLORS USED IN THE MANUFACTURE OF INK. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed Jan. 15, 1948, Serial No. 547,169. Published Jan. 18, 1949. Class 11.

509,721. PRINTING INK. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed Jan. 15, 1948, Serial No. 547,175. Published Jan. 18, 1949. Class 11.

509,722. PRINTING INK. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed Jan. 15, 1948, Serial No. 547,176. Published Jan. 18, 1949. Class 11.

509,723. PRINTING INK. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed Jan. 15, 1948, Serial No. 547,184. Published Jan. 18, 1949. Class 11.

509,724. PRINTING INK. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed Jan. 15, 1948, Serial No. 547,185. Published Jan. 18, 1949. Class 11.

509,725. PRINTING INK. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed Jan. 15, 1948, Serial No. 547,188. Published Jan. 18, 1949. Class 11.

509,726. LIGHTER FLUID. UNIVERSAL CHEMICAL CORPORATION, Easthampton, Mass.
Filed Jan. 16, 1948, Serial No. 547,296. Published Jan. 11, 1949. Class 6.

509,727. LAXATIVE. C. J. MOFFETT MEDICINE COMPANY, Columbus, Ga.
Filed Jan. 19, 1948, Serial No. 547,474. Published Jan. 25, 1949. Class 6.

509,728 OVARIAN EXTRACT FOR USE IN OBSTETRICS. THE MALTINE COMPANY, New York, N. Y.
Filed Jan. 21, 1948, Serial No. 547,641. Published Nov. 23, 1948. Class 6.

509,729. OVARIAN EXTRACT FOR USE IN OBSTETRICS. THE MALTINE COMPANY, New York, N. Y.
Filed Jan. 21, 1948, Serial No. 547,642. Published Nov. 23, 1948. Class 6.

509,730. BABY CARRIAGES, BABY STROLLERS. WERNER P. KUONI, Long Island City, N. Y.
Filed Jan. 22, 1948, Serial No. 547,735. Published Jan. 4, 1949. Class 19.

509,731. SIZING FOR PAPER AND TEXTILES. MONSANTO CHEMICAL COMPANY, Seattle, Wash.
Filed Jan. 23, 1948, Serial No. 547,863. Published Jan. 4, 1949. Class 6.

509,732. BUILT-IN SEAT CUSHIONS OF FOAM RUBBER FOR AUTOMOBILES. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed Jan. 23, 1948, Serial No. 548,200. Published Jan. 4, 1949. Class 19.

509,733. BUBBLE BATH, BATH (BOUDOIR) POWDER, DUSTING POWDER, AND PERFUME. DAGGETT & RAMSDELL, New York, N. Y., assignor to Daggett and Ramsdell, Inc., New York, N. Y., a corporation of Delaware.
Filed Feb. 9, 1948, Serial No. 549,182. Published Dec. 7, 1948. Class 6.

509,734. INSECTICIDAL CHEMICAL. JOHN T. BERDAN, doing business as Drought Products, La Mirada, Calif.
Filed Feb. 9, 1948, Serial No. 549,138. Published Jan. 18, 1949. Class 6.

509,735. ANTI-BIOTIC PREPARATION. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed Feb. 9, 1948, Serial No. 549,167. Published July 20, 1948. Class 6.

509,736. FERTILIZER. TENNESSEE CORPORATION, New York, N. Y.
Filed Feb. 9, 1948, Serial No. 549,193. Published Aug. 24, 1946. Class 10.

509,737. MAILING ENVELOPES. QUALITY PAEK ENVELOPE COMPANY, St. Paul, Minn.
Filed Nov. 5, 1947, Serial No. 549,334. Published Jan. 4, 1949. Class 37.

509,738. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF PNEUMOCOCCIC, STREPTOCOCCIC, MENINGOCOCCIC, AND STAPHYLOCOCCIC INFECTIONS, SCARLET FEVER, RHEUMATIC FEVER, ERYSIPELAS, OTITIS MEDIA, TONSILLITIS, URINARY INFECTIONS DUE TO E. COLI, STAPHYLOCOCCUS ALBUS, PROTEUS, AND PSEUDOMONAS. MICHAEL A. MAFFEY, doing business as The Mara Laboratories, East Newark, N. J.
Filed Feb. 14, 1948, Serial No. 549,740. Published Jan. 18, 1949. Class 6.

509,739. MEDICINAL PREPARATION POSSESSING HEALING PROPERTIES AND BEING A HEALING PREPARATION FOR INJURIES AND ACUTE AND CHRONIC INFLAMMATORY AFFECTIONS, AND ALSO FOR A MEDICATED RUB. THE DENVER CHEMICAL MANUFACTURING COMPANY, New York, N. Y.
Filed Feb. 18, 1948, Serial No. 550,031. Published Dec. 28, 1948. Class 6.

509,740. FACE POWDER AND POWDER BASES—NAMELY, LIQUID POWDER FOUNDATION, FOUNDATION CREAMS, NIGHT CREAMS; CLEANSING CREAMS—NAMELY, MILKY LIQUID CLEANSER; EYE CREAMS—NAMELY, EYE LASH OIL, FACE LOTIONS, AND FACE CREAMS. GEORGE A. LAWRENCE, New York, N. Y.
Filed Feb. 19, 1948, Serial No. 550,156. Published Dec. 21, 1948. Class 6.

509,741. PROTEIN, CARBOHYDRATE PREPARATION CONTAINING LIVER, MINERALS, AND VITAMINS. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Feb. 19, 1948, Serial No. 550,176. Published Jan. 11, 1949. Class 6.

509,742. PROTEIN, CARBOHYDRATE PREPARATION CONTAINING LIVER, MINERALS, AND VITAMINS. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Feb. 19, 1948, Serial No. 550,177. Published Jan. 11, 1949. Class 6.

509,743. INSECT REPELLENTS. WARNER F. WILHELM, doing business as D-String Co., Chicago, Ill.
Filed Feb. 19, 1948, Serial No. 550,190. Published Jan. 18, 1949. Class 6.

509,744. COSMETICS—NAMELY, BATH POWDERS, TALCUM POWDERS, CLEANSING CREAMS, COLD CREAMS, FINISHING CREAMS, FOUNDATION CREAMS, ETC. REXALL DRUG COMPANY, doing business as Lorie, Los Angeles, Calif.
Filed Feb. 20, 1948, Serial No. 550,280. Published Dec. 28, 1948. Class 6.

509,745. LIPSTICKS, EYEBROW PENCILS, MASCARA, EYESHADOW, EYELID CREAM AND EYE LOTION, CREAM ROUGE, FACE POWDER, CREAM POWDER BASE, ALL-PURPOSE CREAM, NIGHT CREAM, ETC. BEAUTYMASTERS OF BEVERLY HILLS, INC., Milwaukee, Wis.
Filed Feb. 21, 1948, Serial No. 550,294. Published Jan. 18, 1949. Class 6.

509,746. GROUP A—WATER SOFTENER SALTS OF THE BASE EXCHANGE TYPE, ETC. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Feb. 24, 1948, Serial No. 550,443. Published Feb. 1, 1949. Class 6.

509,747. CHEMOTHERAPEUTIC AGENT FOR USE IN THE TREATMENT OF MYCO-BACTERIAL DISEASES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed Mar. 1, 1948, Serial No. 550,930. Published Jan. 11, 1949. Class 6.

509,748. LINIMENT. OLD 97 COMPANY, Tampa, Fla.
Filed Mar. 2, 1948, Serial No. 551,041. Published Jan. 11, 1949. Class 6.

509,749. MEDICINAL PREPARATION FOR THE TREATMENT OF NUTRITIONAL DEFICIENCIES AND DISORDERS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed Mar. 2, 1948, Serial No. 551,065. Published Feb. 1, 1949. Class 6.

509,750. FERTILIZERS. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass.
Filed Mar. 5, 1948, Serial No. 551,253. Published Feb. 1, 1949. Class 10.

509,751. DISINFECTANTS, INSECTICIDES, FUNGICIDES, AND BACTERICIDES; INSECT AND ANIMAL REPELLENTS; ETC. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass.
Filed Mar. 5, 1948, Serial No. 551,259. Published Jan. 25, 1949. Class 6.

509,752. FERTILIZERS. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass.
Filed Mar. 5, 1948, Serial No. 551,260. Published Dec. 14, 1948. Class 10.

509,753. PERFUMES, TOILET WATER, COLOGNE, FACE POWDER, LIPSTICK, ROUGE, MASCARA, EYE SHADOW, CREAM FOR FACE AND SKIN, AND TALCUM POWDER. BENARD & HONNORAT, doing business as Molinard, Grasse, France.
Filed Mar. 6, 1948, Serial No. 551,357. Published Nov. 30, 1948. Class 6.

509,754. PREPARATION FOR USE AS AN EXPECTORANT AND FOR RELIEVING COUGHS, COLDS, AND BRONCHIAL IRRITATIONS. HY-PURE LABORATORIES, INC., Cincinnati, Ohio.
Filed Mar. 8, 1948, Serial No. 551,457. Published Nov. 30, 1948. Class 6.

509,755. FERTILIZERS. GORDON CALLBECK, Denver, Colo.
Filed Mar. 13, 1948, Serial No. 551,852. Published Feb. 1, 1949. Class 10.

509,756. MAGAZINE AND FOR PRINTED CHARTS, GRAPHS, AND TABULATIONS OF BUSINESS INFORMATION. DUN & BRADSTREET, INC., New York, N. Y.
Filed Mar. 13, 1948, Serial No. 551,874. Published Jan. 18, 1949. Class 38.

509,757. MAGAZINE. DUN & BRADSTREET, INC., New York, N. Y.
Filed Mar. 13, 1948, Serial No. 551,875. Published Jan. 18, 1949. Class 38.

509,758. AIR DEFLECTOR FOR THE DOORS OR WINDOWS OF AUTOMOTIVE VEHICLES. BLAKE MANUFACTURING CO., Pawhuska, Okla.
Filed Mar. 22, 1948, Serial No. 552,632. Published Oct. 5, 1948. Class 19.

509,759. TOOTHPICKS. CLOVER FARM STORES CORPORATION, Cleveland, Ohio.
Filed Mar. 26, 1948, Serial No. 553,075. Published Jan. 18, 1949. Class 44.

509,760. PROPHENPYRAMINE USED IN THE TREATMENT OF ASTHMA, HAYFEVER, URTICARIA, AND OTHER ALLERGIC MANIFESTATIONS. SCHERING CORPORATION, Bloomfield, N. J.
Filed Mar. 26, 1948, Serial No. 553,134. Published Jan. 11, 1949. Class 6.

509,761. PREPARATIONS FOR THE TREATMENT OF DISEASES PECULIAR TO WOMEN. S. B. LEONARDI & CO. INC., New Rochelle, N. Y.
Filed Mar. 31, 1948, Serial No. 553,496. Published Jan. 11, 1949. Class 6.

509,762. VAGINAL HYGIENE POWDER. OPTIMUS PHARMACEUTICALS CO., INC., Taylors, S. C.
Filed Apr. 5, 1948, Serial No. 553,895. Published Jan. 18, 1949. Class 6.

509,763. INK ROLLS FOR MARKING MACHINES. MARKEM MACHINE COMPANY, Keene, N. H.
Filed Apr. 6, 1948, Serial No. 553,967. Published Jan. 18, 1949. Class 11.

509,764. FOR COMBINED DOUCHE AND ENEMA APPLICATOR. ROYCEMORE TOILETRIES, INC., Chicago, Ill.
Filed Apr. 6, 1948, Serial No. 553,986. Published Jan. 25, 1949. Class 44.

509,765. MEDICINAL PREPARATION USED IN THE TREATMENT OF NUTRITIONAL ANEMIA. MARVIN R. THOMPSON, INC., Stamford, Conn.
Filed Dec. 5, 1947, Serial No. 554,063. Published Jan. 18, 1949. Class 6.

509,766. PHARMACEUTICAL PREPARATIONS FOR USE IN AILMENTS OF THE LIVER, ETC. ARNOLD PALM, doing business as Palm Pharmacal Co., New York, N. Y.
Filed Apr. 8, 1948, Serial No. 554,147. Published Jan. 18, 1949. Class 6.

509,767. CARTRIDGES AND SHOTGUN SHELLS. FEDERAL CARTRIDGE CORPORATION, Minneapolis, Minn.
Filed Apr. 9, 1948, Serial No. 554,221. Published Feb. 1, 1949. Class 9.

509,768. PADS AND PLASTERS FOR CORNS, BUNIONS, AND CALLI. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed Apr. 12, 1948, Serial No. 554,425. Published Jan. 25, 1949. Class 44.

509,769. SUPER PHOSPHATE FERTILIZER. STAUFFER CHEMICAL COMPANY, San Francisco, Calif.
Filed Apr. 12, 1948, Serial No. 554,435. Published Jan. 18, 1949. Class 10.

509,770. AQUEOUS SULFURIC ACID SOLUTIONS FOR APPLICATION TO TURPENTINE FACES (I. E. THE SLASHES IN THE BARK OF THE TRUNKS OF TURPENTINE PRODUCING TREES) TO INCREASE THE TURPENTINE FLOW FROM THE TREE. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y.
Filed Apr. 13, 1948, Serial No. 554,460. Published Jan. 18, 1949. Class 6.

509,771. ZINC OXIDE HAVING A GENERAL UTILITY IN THE INDUSTRIAL ARTS, PARTICULARLY IN COMPOUNDING RUBBER AND IN THE PRODUCTION OF ZINC YELLOW, ZINC SULFATE, AND ZINC CYANIDE SOLUTIONS. THE NEW JERSEY ZINC COMPANY, New York, N. Y.
Filed Apr. 15, 1948, Serial No. 554,690. Published Jan. 18, 1949. Class 6.

509,772. PIGMENTS FOR USE IN COLORING INKS. REICHHOLD CHEMICALS, INC., Detroit, Mich.
Filed Apr. 15, 1948, Serial No. 554,705. Published Jan. 18, 1949. Class 11.

509,773. WIRE, HOT ROLLED RODS, HOOPS, AND BANDS AND SHEETS OF STEEL. SOULE STEEL COMPANY, San Francisco and Los Angeles, Calif., Portland, Oreg., and Houston, Tex.
Filed Apr. 16, 1948, Serial No. 554,822. Published Jan. 11, 1949. Class 14.

509,774. ANALGESIC AND SEDATIVE IN TABLET FORM FOR HUMAN USE. WALTER A. FANSLER, doing business as Fuller Pharmaceutical Company, Minneapolis, Minn.
Filed Apr. 23, 1948, Serial No. 555,399. Published Jan. 18, 1949. Class 6.

509,775. METAL CASTINGS. AMERICAN CAR AND FOUNDRY COMPANY, New York, N. Y.
Filed Apr. 27, 1948, Serial No. 555,646. Published Feb. 1, 1949. Class 14.

509,776. AGE-HARDENABLE, CORROSION-RESISTANT, HIGH-NICKEL ALLOYS. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed Apr. 27, 1948, Serial No. 555,676. Published Jan. 11, 1949. Class 14.

509,777. WELDING WIRE AND METALLIC WELDING ELECTRODES. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio.
Filed May 14, 1948, Serial No. 557,050. Published Jan. 18, 1949. Class 14.

509,778. FERROUS ALLOY METALS. SHOFNER IRON AND STEEL WORKS, Portland, Oreg.
Filed May 25, 1948, Serial No. 557,781. Published Feb. 1, 1949. Class 14.

509,779. HAND LOTION. WELCH INDUSTRIES, INCORPORATED, Colorado Springs, Colo.
Filed May 26, 1948, Serial No. 557,880. Published Feb. 1, 1949. Class 6.

509,780. LIQUIFIED PETROLEUM GASES. GREEN'S FUEL, INC., Sarasota, Fla.
Filed June 7, 1948, Serial No. 558,650. Published Jan. 18, 1949. Class 6.

509,781. PNEUMATIC TIRES AND AIR TUBES. MANUFACTURE DE CAOUTCHOCC MICHELIN (PUISEUX, BOULANGER ET CIE), Clermont-Ferrand (Puy de-Dome), France.
Filed June 9, 1948, Serial No. 558,799. Published Feb. 1, 1949. Class 35.

509,782. MINERAL FERTILIZER. SARATOGA LABORATORIES INC., New York and Saratoga Springs, N. Y.
Filed June 9, 1948, Serial No. 558,814. Published Nov. 30, 1948. Class 10.

509,783. INSECTICIDE. WESTTACO CHEMICAL CORPORATION, New York, N. Y., now by merger Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware.
Filed June 10, 1948, Serial No. 558,975. Published Jan. 18, 1949. Class 6.

509,784. FILLING AGENT USEFUL IN THE MANUFACTURE OF LEATHER FROM HIDES AND SKINS CONSISTING OF A LIGNIN PITCH WHICH IS DERIVED FROM THE SULFITE PROCESS OF MAKING WOOD PULP. AMERICAN GUM PRODUCTS COMPANY, New York, N. Y.
Filed June 11, 1948, Serial No. 558,985. Published Jan. 18, 1949. Class 6.

509,785. PROTEINIC PREPARATION USEFUL IN THE TREATMENT AND PREVENTION OF METABOLIC DEFICIENSIES. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed June 19, 1948, Serial No. 559,737. Published Jan. 18, 1949. Class 6.

509,786. CHEMICAL SOLUTIONS FOR THE PREVENTION OF CORROSION OF METAL AND ALLOYS AND FOR BONDING PAINT AND LACQUERS TO METAL SURFACES. THE WALTERISATION COMPANY LIMITED, Croydon, Surrey, England.
Filed June 22, 1948, Serial No. 559,968. Published Jan. 18, 1949. Class 6.

509,787. MEDICINAL PREPARATION FOR USE IN THE SYMPTOMATIC RELIEF OF BRONCHIAL ASTHMA AND HAY FEVER. CORTUNON CO., INC., New York, N. Y.
Filed June 23, 1948, Serial No. 559,995. Published Feb. 1, 1949. Class 6.

509,788. LAXATIVES. ALEXANDER M. LECCAS, Jersey City, N. J.
Filed June 23, 1948, Serial No. 560,028. Published Jan. 18, 1949. Class 6.

509,789. VISCOUS LIGHT BROWN, SELF-EMULSIFIABLE LUBRICATING PASTE USED FOR LUBRICATING THE DIE AND TO PREVENT METAL TO METAL CONTACT IN DRAWING STEEL AND ALLOYS. HAAS-MILLER CORPORATION, Philadelphia, Pa.
Filed June 24, 1948, Serial No. 560,103. Published Jan. 18, 1949. Class 6.

509,790. OLEAGINOUS MATERIAL APPLIED STRAIGHT OR IN ADMIXTURE WITH WATER TO METAL SURFACES FOR PURPOSES OF PROTECTING METAL AGAINST RUSTING. HAAS-MILLER CORPORATION, Philadelphia, Pa.
Filed June 24, 1948, Serial No. 560,107. Published Feb. 1, 1949. Class 6.

509,791. OINTMENT PREPARATIONS. WALTER PIERSCHALSKI, doing business as Greenbrook Chemical Co., Manville, N. J.
Filed June 25, 1948, Serial No. 560,216. Published Feb. 1, 1949. Class 6.

509,792. CHOLESTEROL-LANOSTEROL. ROBINSON-WAGNER CO. INC., New York, N. Y.
Filed June 26, 1948, Serial No. 560,293. Published Feb. 1, 1949. Class 6.

509,793. TRANSMISSION BELTING. SLIP-NOT BELTING CORPORATION, Kingsport, Tenn.
Filed July 28, 1948, Serial No. 562,410. Published Feb. 1, 1949. Class 35.

509,794. SPECIFIC PREPARATIONS DESIGNED FOR THE ORAL TREATMENT OF THOSE SYPMTOMS SUCH AS RHINITIS, SINUSITIS, URTICARIA, STOMACH AND INTESTINAL DISTURBANCES RESULTING FROM THE SENSITIVITY OR ALLERGY OF CERTAIN INDIVIDUALS AND ANIMALS TO A SPECIFIC FOOD, POLLEN, DUST, WOOL, HAIR OR OTHER MATERIAL. DALARE ASSOCIATES, Philadelphia, Pa.
Filed Apr. 23, 1948, Serial No. 564,022. Published Jan. 25, 1949. Class 6.

509,795. ROUND LEATHER BELTING MADE OF STEERHIDE. WESTERN RAWHIDE & BELTING COMPANY, Milwaukee, Wis.
Filed May 3, 1948, Serial No. 564,032. Published Feb. 1, 1949. Class 35.

509,796. VETERINARY ANTISEPTIC. CUTTER LABORATORIES, Berkeley, Calif.
Filed June 11, 1948, Serial No. 564,061. Published Jan. 18, 1949. Class 6.

Service Marks

509,797. WATER TRANSPORTATION OF CARGO AND PASSENGERS. PACIFIC MAIL STEAMSHIP COMPANY, San Francisco, Calif.
Filed July 5, 1947, Serial No. 527,392. Published Jan. 25, 1949. Class 55.

509,798. LAUNDRY, DRY-CLEANING, SHIRT REPAIRS, WASHING LACE CURTAINS, ETC. THE PILGRIM LAUNDRY, INC., Brooklyn, N. Y.
Filed July 26, 1947, Serial No. 529,690. Published Nov. 16, 1948. Class 55.

509,799. LAUNDRY, DRY-CLEANING, SHIRT REPAIRS, WASHING LACE CURTAINS, HAND-CARDING AND REBINDING BLANKETS, ETC. THE PILGRIM LAUNDRY, INC., Brooklyn, N. Y.
Filed July 26, 1947, Serial No. 529,691. Published Nov. 16, 1948. Class 55.

509,800. ADVERTISING SERVICE EMPLOYING PERSONAL VISITS TO SPECIAL GROUPS OF PROSPECTIVE PURCHASERS BY A REPRESENTATIVE OF THE SERVICE ORGANIZATION AND THE PRESENTATION OF SAMPLE GIFTS FROM THE SALES ORGANIZATIONS USING THE SERVICE. WELCOME WAGON SERVICE COMPANY, INC., Memphis, Tenn., and New York, N. Y.
Filed Oct. 18, 1947, Serial No. 538,327. Published Jan. 25, 1949. Class 55.

509,801. THE SERVICES OF SUPPLYING PART-TIME COMPANIONS, ETC. ISABEL T. HILL, doing business as Proxy Parents, New York, N. Y.
Filed Oct. 27, 1947, Serial No. 539,168. Published Jan. 18, 1949. Class 55.

509,802. BREEDING OF REGISTERED CATTLE, PARTICULARLY JERSEY CATTLE, AND IN THE BREEDING OF COCKER SPANIELS, SUCH BREEDING INCLUDING THE LETTING OF ANIMALS FOR STUD. ALBERT R. BENUA, Westerville, Ohio.
Filed Nov. 28, 1947, Serial No. 542,513. Published Jan. 18, 1949. Class 55.

509,803. GLOBAL RADIOTELEGRAPH COMMUNICATION SERVICE BOTH ON LAND AND SEA; COMMERCIAL RADIOPHOTO SERVICE; PROGRAM TRANSMISSION SERVICE; AND FREQUENCY MEASUREMENT SERVICE. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed Jan. 31, 1948, Serial No. 548,525. Published Jan. 18, 1949. Class 55.

509,804. GLOBAL RADIOTELEGRAPH COMMUNICATION SERVICE BOTH ON LAND AND SEA. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed Jan. 31, 1948, Serial No. 548,526. Published Jan. 18, 1949. Class 55.

Collective Service Mark

500,805. BROKERAGE OF FOOD AND GROCERY PRODUCTS BY MEMBERS OF THE ASSOCIATION. NATIONAL FOOD BROKERS ASSOCIATION, Washington, D. C.
Filed Oct. 13, 1947, Serial No. 537,717. Published Jan. 11, 1949. Class 55.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

509,806. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LUCILLE J. WARREN, doing business as The Flor-Dry Company, St. Paul, Minn. Filed May 5, 1948; originally filed, act of 1905, Mar. 25, 1946, Serial No. 499,972.

FLOR-DRY

FOR GRANULAR PREPARATION FOR ABSORBING OIL AND GREASE FROM FLOORS.
Claims use since July 15, 1943.

509,807. (CLASS 2. RECEPTACLES.) SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Filed Oct. 21, 1948, Serial No. 518,450.

Handi-Handle

FOR CUPS OF FIBROUS MATERIAL.
Claims use since June 15, 1946.

509,808. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE CREEK CHUB BAIT COMPANY, Garrett, Ind. Filed Dec. 11, 1948; originally filed Aug. 15, 1947, Serial No. 531,444.

DINGER

Applicant claims ownership of Registration No. 371,790.
FOR ARTIFICIAL FISHING LURE.
Claims use since Aug. 1, 1938.

509,809. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AVON PRODUCTS, INC., New York, N. Y. Filed Jan. 4, 1949; originally filed Sept. 18, 1947, Serial No. 534,865.

VIVID

Applicant claims ownership of Registration No. 432,762.
FOR LIPSTICK, ROUGE, NAIL POLISH.
Claims use since October 1935.

509,810. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) DEKALB HYBRID SEED COMPANY, DeKalb, Ill., assignor to DeKalb Agricultural Association, Inc., DeKalb, Ill., a corporation of Delaware. Filed Oct. 29, 1948; originally filed Nov. 10, 1947, Serial No. 540,847.

DEKALB

CHIX

FOR BABY CHICKS.
Claims use since Nov. 8, 1946.

509,811. (CLASS 5. ADHESIVES.) ISRAEL BARKAN, doing business as Nu-Paint Products Company, Burbank, Calif. Filed Feb. 12, 1949; originally filed Mar. 15, 1948, Serial No. 551,935.

SHUR-STIK

FOR WALLPAPER PASTE.
Claims use since May 9, 1945.

TRADE-MARK REGISTRATIONS RENEWED

32,536. NEW SERVICE. Registered Feb. 21, 1890. Colt's Patent Fire Arms Manufacturing Company. Renewed Feb. 21, 1949, to Colt's Manufacturing Company, Hartford, Conn., a corporation of Connecticut. PISTOLS. Class 9.

71,941. "BARKING DOG" ETC. AND DRAWING. Registered Dec. 22, 1908. Godfrey S. Mahn. Re-renewed Dec. 22, 1948, to Philip Morris & Co. Ltd., Incorporated, New York, N. Y., a corporation of Virginia. SMOKING-TOBACCO. Class 17.

71,992. "C H CO" AND DESIGN. Registered Dec. 29, 1908. Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York. Re-renewed Dec. 20, 1948. ELECTRIC SWITCH-BOARDS AND SWITCHES, ELECTRIC-ARC LAMPS, SOCKETS AND RECEPTACLES FOR INCANDESCENT ELECTRIC LAMPS, ETC. Class 21.

72,304. IVI. Registered Jan. 12, 1909. United Shoe Machinery Company, Paterson, N. J., and Boston, Mass. Re-renewed Jan. 12, 1949, to United Shoe Machinery Corporation, Boston, Mass., a corporation of New Jersey. MACHINERY FOR CUTTING OR TRIMMING PARTS OF BOOTS OR SHOES, MACHINERY FOR INSERTING FASTENINGS, SLUGS, OR PROTECTORS IN THE SOLES, ETC. Class 23.

72,305. USMC. Registered Jan. 12, 1909. United Shoe Machinery Company, Paterson, N. J., and Boston, Mass. Re-renewed Jan. 12, 1949, to United Shoe Machinery Corporation, Boston, Mass., a corporation of New Jersey. SCREW-DRIVERS, PINKING-TOOLS, TREEING-IRONS, HAMMERS, MALLETS, LASTING-PINCERS, AND EDGE-SETTERS. Class 23.

72,678. COTTONITE. Registered Feb. 9, 1909. The Acme Wire Company, New Haven, Conn. Re-renewed Feb. 9, 1949, to The Acme Wire Company, Hamden, Conn., a corporation of Connecticut. INSULATED ELECTRICAL CONDUCTORS. Class 21.

72,778. OVAL BRAND. Registered Feb. 23, 1909. A. Booth & Company, Chicago, Ill.; Baltimore, Md.; St. Paul, Duluth, and Minneapolis, Minn.; St. Louis, Mo.; Louisville, Ky.; Omaha, Nebr.; Indianapolis, Ind.; and Port Arthur, Ontario, Canada. Re-renewed Feb. 23, 1949, to Booth Fisheries Corporation, Chicago, Ill., a corporation of Delaware. CANNED SALMON AND CANNED OYSTERS. Class 46.

72,855. HURON. Registered Mar. 2, 1909. The American Thread Company, Jersey City, N. J. Re-renewed Mar. 2, 1949, to The American Thread Company, New York, N. Y., a corporation of New Jersey. SPOOL-COTTON, SEWING-COTTON, AND THREAD. Class 43.

73,155. SOAMIN. Registered Mar. 23, 1909. Henry Solomon Wellcome, London, England. Re-renewed Mar. 23, 1949, to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York. SODIUM PARA-AMINOPHENYLARSONATES. Class 6.

73,230. HUB. Registered Apr. 6, 1909. The American Thread Company, Jersey City, N. J. Re-renewed Apr. 6, 1949, to The American Thread Company, New York, N. Y., a corporation of New Jersey. SPOOL-COTTON, SEWING-COTTON AND THREAD. Class 43.

73,311. "HELPMATE" ETC. AND DRAWING. Registered Apr. 13, 1909. Amsterdam Broom Co. Re-renewed Apr. 13, 1949, to Amsterdam Broom Co., Amsterdam, N. Y., a corporation of New York. BROOMS AND BRUSHES. Class 29.

74,009. DUREL. Registered June 8, 1909. Binney & Smith Co., New York, N. Y., a corporation of New Jersey. Re-renewed June 8, 1949. CRAYONS AND LEAD AND SLATE PENCILS. Class 37.

74,357. VICTORIA. Registered July 6, 1909. The American Thread Company, Jersey City, N. J. Re-renewed July 6, 1949, to The American Thread Company, New York, N. Y., a corporation of New Jersey. SPOOL-COTTON, SEWING-COTTON, THREAD AND COTTON YARN. Class 43.

74,358. MANHATTAN. Registered July 6, 1909. The American Thread Company, Jersey City, N. J. Re-renewed July 6, 1949, to The American Thread Company, New York, N. Y., a corporation of New Jersey. SPOOL-COTTON, SEWING-COTTON, THREAD AND COTTON YARN. Class 43.

74,364. HERCULES. Registered July 6, 1909. E. I. du Pont de Nemours Powder Company, Hoboken, N. J. Re-renewed July 6, 1949, to Hercules Powder Company, Wilmington, Del., a corporation of Delaware. DYNAMITE AND GELATINIZED POWDER. Class 9.

74,560. REPRESENTATION OF PORTRAIT OF BOY. Registered July 20, 1909. Merrick Medicine Co., Waco, Tex., a corporation of Texas. Re-renewed July 20, 1949. A REMEDY FOR DIARRHEA, INDIGESTION, CHOLERA INFANTUM, AND SUMMER COMPLAINT OF CHILDREN. Class 6.

104,371. "STAHI" WITHIN OVAL DESIGN. Registered Jan. 20, 1925. Stahi Newspaper Supply Company, Portland, Oreg. Renewed Jan. 20, 1945, to Sta-Hi Corporation, Los Angeles, Calif., a corporation of Oregon. NEWSPAPER-PRESS BLANKETS. Class 50.

202,485. "CHOCOLADE MANNER, WIEN" ETC. AND REPRESENTATION OF CHURCH. Registered Aug. 25, 1925. Josef Manner & Comp. A. G., Vienna, Austria, a corporation organized under the laws of Austria. Renewed Aug. 25, 1945 (as provided by P. L. 517, July 17, 1946). CANDIES, CHOCOLATES, PASTRIES, WAFFLES, BISCUITS, AND BON BONS. Class 46.

238,906. CAPSOIDS. Registered Feb. 14, 1928. William W. Watkins. Renewed Feb. 14, 1948, to Dabney Pharmacal Company, Inc., Indianapolis, Ind., a corporation of Indiana. MEDICINAL PREPARATIONS FOR USE IN THE TREATMENT OF INFLUENZA, COLDS, RHINITIS, CORYZA, AND NEURITIS. Class 6.

245,807. "ABBOTT'S DIGEST" AND BACKGROUND DESIGN. Registered Aug. 21, 1928. The Lawyers Cooperative Publishing Company, Rochester, N. Y., a corporation of New York. Renewed Aug. 21, 1948. SERIES OF NEW YORK LAW DIGESTS AND QUARTERLY SUPPLEMENTS. Class 38.

248,694. MELOSPUN. Registered Oct. 30, 1928. Tyson Shirt Company, Norristown, Pa., a corporation of Pennsylvania. Renewed Oct. 30, 1948. MEN'S AND BOYS' NEGLIGEE, DRESS, AND WORK SHIRTS; PAJAMAS, ETC. Class 39.

248,695. SUPERSPUN. Registered Oct. 30, 1928. Tyson Shirt Company, Norristown, Pa., a corporation of Pennsylvania. Renewed Oct. 30, 1948. MEN'S AND BOYS' WORK, DRESS, AND NEGLIGEE SHIRTS; PAJAMAS, NIGHTSHIRTS; LADIES' WAISTS, ETC. Class 39.

249,400. "HOOTS AND QUACKS" AND DESIGN. Registered Nov. 13, 1928. Benjamin Franklin Hammond, Wichita, Kans. Renewed Nov. 13, 1948. CARTOONS. Class 38.

250,607. AIRSTAT. Registered Dec. 11, 1928. Minneapolis-Honeywell Regulator Company, Wabash, Ind., and Minneapolis, Minn. Renewed Dec. 11, 1948, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware. DEVICE TO LIMIT THE TEMPERATURE OF THE AIR IN THE CASING OF A WARM-AIR FURNACE. Classes 26 and 34.

250,771. CHRYSON'S. Registered Dec. 18, 1928. Chryson's Inc. Renewed Dec. 18, 1948, to Chryson's, Ltd., Los Angeles, Calif., a corporation of California. GREETING CARDS, WEDDING INVITATIONS, ANNOUNCEMENTS. Class 38.

250,846. CHRYSON'S. Registered Dec. 18, 1928. Chryson's, Inc. Renewed Dec. 18, 1948, to Chryson's, Ltd., Los Angeles, Calif., a corporation of California. STATIONERY CONSISTING OF LAWN PAPERS, LINEN PAPERS, AND THE LIKE FOR PERSONAL CORRESPONDENCE. Class 37.

251,078. M. A. C. Registered Dec. 25, 1928. Addie E. Smith, doing business as Smith Bros., Berkeley and Oakland, Calif. Renewed Dec. 25, 1948, to Addie E. Smith, Oakland, Calif. PREPARATION FOR USE IN THE TREATMENT OF DYSPEPSIA. Class 6.

251,881. NEVERAX. Registered Jan. 15, 1929. United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass. Renewed Jan. 15, 1949, to United Shoe Machinery Corporation, Boston, Mass., a corporation of New Jersey. RACKS USED FOR TRANSPORTING SHOES AND SHOE PARTS FROM ONE PART OF A FACTORY TO ANOTHER. Class 32.

252,441. BIG CHIEF. Registered Feb. 5, 1929. White-Stokes Company, Inc., Chicago, Ill., a corporation of Delaware. Renewed Feb. 5, 1949. DEVIL'S FOOD-CAKE MIX, SPICE-CAKE MIX, WHITE-CAKE MIX, MARSHMALLOW POWDER, ETC. Class 46.

252,567. HAMBURG. Registered Feb. 12, 1929. The Weber Medical Tea Company, Brooklyn, N. Y., a corporation of West Virginia. Renewed Feb. 12, 1949. LAXATIVE PREPARATIONS. Class 6.

252,772. "WHISTOJEL" AND UNDERLINE DESIGN. Registered Feb. 12, 1929. White-Stokes Company, Inc., Chicago, Ill., a corporation of Delaware. Renewed Feb. 12, 1949. PECTIN PRODUCT FOR USE IN MAKING CAST AND CUT PLAIN AND FRUIT JELLIES FOR THE CONFECTIONER, BAKER, AND SODA FOUNTAIN. Class 46.

252,902. RURALT. Registered Feb. 19, 1929. Alfred Hague & Company, Inc., New York, N. Y. Renewed Feb. 19, 1949, to Alfred Hague, doing business under the name and style of Alfred Hague & Company, Brooklyn, N. Y. READY-MIXED PAINTS. Class 16.

253,002. "UNIVERSAL EXPOSITION SAINT LOUIS" ETC. AND MEDAL DESIGN. Registered Feb. 19, 1929. Binney & Smith Co., New York, N. Y., a corporation of New Jersey. Renewed Feb. 19, 1949. CRAYONS, SLATE PENCILS, AND CHALK. Class 37.

253,230. "H. C. BOHACK CO. INC. BOHACK'S CAKE" ETC. AND DESIGN. Registered Feb. 26, 1929. H. C. Bohack Co. Inc., Brooklyn, N. Y., a corporation of New York. Renewed Feb. 26, 1949. CAKE. Class 46.

253,234. "BOHACK'S BREAD" ETC. AND DESIGN. Registered Feb. 26, 1929. H. C. Bohack Co. Inc., Brooklyn, N. Y., a corporation of New York. Renewed Feb. 26, 1949. BREAD. Class 46.

253,255. BE-RE-TEX. Registered Feb. 26, 1929. Boston Blacking Company, Inc. Renewed Feb. 26, 1949, to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts. LATEX CEMENT. Class 5.

253,398. THE DRAWING TEACHER. Registered Feb. 26, 1929. Binney & Smith Co., New York, N. Y., a corporation of New Jersey. Renewed Feb. 26, 1949. PERIODIC PUBLICATION. Class 38.

253,664. "NITON". Registered Mar. 5, 1929. Manufacture des Montres Niton S. A., Geneva, Switzerland, a corporation organized under the laws of the Confederation of Switzerland. Renewed Mar. 5, 1949. WATCHES AND PARTS THEREOF. Class 27.

253,780. TRUMP. Registered Mar. 5, 1929. The Ross Manufacturing Company, Kewanee, Ill., and Brooklyn, N. Y. Renewed Mar. 5, 1949, to The Ross Manufacturing Company, Kewanee, Ill., a corporation of Illinois. GLOVES AND MITTENS MADE OF FABRIC AND COMBINATIONS OF LEATHER AND FABRIC. Class 39.

254,403. LEO. Registered Mar. 26, 1929. Leo Harris, doing business as Advance Theatrical Shoe Co., Chicago, Ill. Renewed Mar. 26, 1949. SHOES MADE OF LEATHER, CANVAS, RUBBER, AND WOOD. Class 39.

254,797. IRON TAG. Registered Apr. 2, 1929. Hollingsworth & Vose Company, Boston, Mass. Renewed Apr. 2, 1949, to Hollingsworth & Vose Company, East Walpole, Mass., a corporation of Massachusetts. PAPER IN SHEETS OR ROLLS SUITABLE FOR FOLDERS, ENVELOPES, COVERS, MOUNTS, WALLETS, TICKETS, ETC. Class 37.

255,164. VERO. Registered Apr. 16, 1929. Ercole H. Locatelli, doing business as Mattia Locatelli. Renewed Apr. 16, 1949, to Locatelli, Inc., New York, N. Y., a corporation of New York. CHEESE. Class 46.

255,218. "OIL CHEK" AND REPRESENTATION OF SYMBOL OF A CHECK MARK. Registered Apr. 16, 1929. The Simplex Piston Ring Company of America, Inc. Renewed Apr. 16, 1949, to Simplex Piston Ring Mfg. Company, Cleveland, Ohio, a corporation of Ohio. METAL PISTON RINGS. Class 35.

255,755. TOWN TALK. Registered Apr. 30, 1929. Saginaw Manufacturing Co., Saginaw, Mich., a corporation of Michigan. Renewed Apr. 30, 1949. FOLDING IRONING TABLES. Class 24.

255,783. "SECURPAC". Registered Apr. 30, 1929. Hammond Rag and Paper Company, Wellsburg, W. Va., a corporation of West Virginia. Renewed Apr. 30, 1949. PAPER BAGS. Class 2.

255,788. SMITHCRAFT. Registered Apr. 30, 1929. The A. L. Smith Iron Works. Renewed Apr. 30, 1949, to A. L. Smith Iron Co., Chelsea, Mass., a corporation of Massachusetts. WROUGHT IRON TABLES USABLE AS PIECES OF FURNITURE TO SUPPORT VARIOUS OBJECTS. Class 32.

255,995. KEN. Registered May 7, 1929. Maurice L. Bernstein, doing business as Carol Drug Co., Washington, D. C. Renewed May 7, 1949, to Abraham Hertzlieb, Silver Spring, Md. ANTACID, DIGESTANT, AND CARMINATIVE. Class 6.

256,081. PARMR. Registered May 7, 1929. Binney & Smith Co., New York, N. Y., a corporation of New Jersey. Renewed May 7, 1949. SOLID PETROLEUM RESIDUES AND ASPHALTIC RESIDUES AND PRODUCT MADE THEREFROM TO BE USED AS AN INGREDIENT IN THE RUBBER, PAINT, AND INK INDUSTRIES. Class 1.

256,411. OLD HOME. Registered May 14, 1929. Old Home Creameries, Incorporated, Minneapolis, Minn., a corporation of Minnesota. Renewed May 14, 1949. CREAMED COTTAGE CHEESE. Class 46.

256,633. OLD ANTIQUE. Registered May 21, 1929. Blue Seal Extract Company, Cambridge, Mass., a corporation of Massachusetts. Renewed May 21, 1949. CARBONATED BEVERAGES, NONALCOHOLIC, NONCEREAL, AND MALTLESS; GINGER ALE, AND GINGER-ALE EXTRACT. Class 45.

257,032. "CORONATION" ETC. AND HERALDIC DESIGN. Registered May 28, 1929. S. S. Pierce Co., Boston, Mass., a corporation of Massachusetts. Renewed May 28, 1949. CIGARS AND SMOKING TOBACCO. Class 17.

257,743. LORNADOONE. Registered June 18, 1929. Taylor & Caldwell. Renewed June 18, 1949, to Taylor & Caldwell, Inc., Walkerton, Va., a corporation of Virginia. CANNED VEGETABLES. Class 46.

257,817. SODIUM AEROFLOAT. Registered June 18, 1929. American Cyanamid Company, New York, N. Y., a corporation of Maine. Renewed June 18, 1949. FLOTATION REAGENTS FOR THE CONCENTRATION OF MINERALS. Class 6.

257,832. GILT-EDGE. Registered June 18, 1929. Chula Vista Mutual Lemon Association, Inc., Chula Vista, Calif., a corporation of California. Renewed June 18, 1949. FRESH LEMONS. Class 46.

257,959. SUDZER. Registered June 25, 1929. Sinclair Refining Company, New York, N. Y., a corporation of Maine. Renewed June 25, 1949. MACHINE FOR MIXING AND SPRAYING LIQUID SOAP AND WATER. Class 23.

257,999. "NOCOLA" AND DRAWING. Registered June 25, 1929. Yankee Polish Co. Inc., New York, N. Y., a corporation of New York. Renewed June 25, 1949. SHOE POLISH. Class 4.

258,314. "DAIRY MADE ICE CREAM" ETC. AND DESIGN. Registered July 2, 1929. Dairy Made Ice Cream Company, Paterson, N. J., assignor to Dairy Made Ice Cream Company, Inc. Renewed July 2, 1949, to The Borden Company, New York, N. Y., a corporation of New Jersey. ICE CREAM. Class 46.

258,433. TAILORED AT FASHION PARK. Registered July 9, 1929. Fashion Park Incorporated. Renewed July 9, 1949, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York. MEN'S COATS, VESTS, PANTS, AND OVERCOATS. Class 39.

258,434. FASHION PARK. Registered July 9, 1929. Fashion Park Incorporated. Renewed July 9, 1949, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York. MEN'S COATS, VESTS, PANTS, AND OVERCOATS. Class 39.

258,491. GYMKAMP TOGS. Registered July 9, 1929. John Wanamaker Philadelphia, Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 9, 1949. SPORT, GYMNASIUM, AND CAMP CLOTHING, FOR MEN, WOMEN, BOYS, AND GIRLS—NAMELY, BLOOMERS, ETC. Class 39.

258,625. SUPERSOL. Registered July 9, 1929. Harry E. Stone, doing business as American Lacquer Solvents Co., Norristown, Pa. Renewed July 9, 1949, to American Lacquer Solvents Company, Phoenixville, Pa., a corporation of Pennsylvania. LACQUER SOLVENT. Class 16.

258,655. LUMINUMCOTE. Registered July 9, 1929. Patek Brothers, Inc., Milwaukee, Wis., a corporation of Wisconsin. Renewed July 9, 1949. READY-MIXED PAINT. Class 16.

258,965. REPRESENTATION OF CROWN. Registered July 16, 1929. The Cando Corporation, Cambridge, Mass. Renewed July 16, 1949, to Cando Company, Boston, Mass., a corporation of Massachusetts. POLISHING PASTE, POWDER, OR LIQUID FOR USE ON METALS INCLUDING PRECIOUS METALS, GLASS, PORCELAIN, ENAMELS, ETC. Class 4.

258,966. "CANDO" AND REPRESENTATION OF CROWN. Registered July 16, 1929. The Cando Corporation, Cambridge, Mass. Renewed July 16, 1949, to Cando Company, Boston, Mass., a corporation of Massachusetts. POLISHING PASTE, POWDER, OR LIQUID FOR USE ON METALS INCLUDING PRECIOUS METALS, GLASS, PORCELAIN, ENAMELS, ETC. Class 4.

259,115. NUT-LET. Registered July 23, 1929. Planters Nut & Chocolate Company, Suffolk, Va. Renewed July 23, 1949, to Planters Nut & Chocolate Company, Wilkes-Barre, Pa., a corporation of Pennsylvania. PEANUT BUTTER AND A PEANUT CONFECTION CONSISTING OF TWO CRACKERS, PEANUT BUTTER, CHOCOLATE, AND NUTS. Class 46.

259,154. SEA HORSE. Registered July 23, 1929. Johnson Motor Company. Renewed July 23, 1949, to Outboard, Marine and Manufacturing Company, Waukegan, Ill., a corporation of Delaware. OUTBOARD MOTORS. Class 23.

259,268. "FEETURE ARCH" AND SCROLL BACKGROUND DESIGN. Registered July 30, 1929. The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois. Renewed July 30, 1949. SHOES MADE OF LEATHER. Class 39.

259,416. "STANDARD DIAMOND" ETC. AND DESIGN. Registered July 30, 1929. Standard Diamond Tool Corporation, New York, N. Y., a corporation of New York. Renewed July 30, 1949. EMERY-WHEEL DRESSERS, DIAMOND TURNING AND BORING TOOLS, CUTTING-OFF TOOLS, ETC. Class 23.

259,495. "METAPAD" AND DRAWING ENCLOSED BY CIRCULAR DESIGN. Registered July 30, 1929. Heywood Boot & Shoe Company, Worcester, Mass., a corporation of Massachusetts. Renewed July 30, 1949. LEATHER BOOTS AND SHOES. Class 39.

259,497. SLIKUP. Registered July 30, 1929. Keystone Varnish Company, Brooklyn, N. Y., a corporation of New York. Renewed July 30, 1949. ENAMEL PAINTS. Class 16.

259,547. THYRACOID. Registered July 30, 1929. Reed & Carnrick, Jersey City, N. J., a corporation of New Jersey. Renewed July 30, 1949. MEDICINAL PREPARATIONS FOR USE IN THE TREATMENT OF DEFICIENCIES OF THE THYROID GLAND OR IN CASES WHERE THYROID EXTRACT IS INDICATED. Class 6.

259,572. SUNNYWEAR. Registered Aug. 6, 1929. Boott Mills, Lowell, Mass., a corporation of Massachusetts. Renewed Aug. 6, 1949. COTTON PIECE GOODS. Class 42.

259,629. ABSORBOOTOWELS. Registered Aug. 6, 1929. Boott Mills, Lowell, Mass., a corporation of Massachusetts. Renewed Aug. 6, 1949. TOWELING AND HAND AND BATH TOWELS OF TEXTILE FABRIC. Class 42.

259,932. MONOGRAM H C CO AND "LITTLE MAN". Registered Aug. 13, 1929. Harris Clothing Company, Baltimore, Md., a firm. Renewed Aug. 13, 1949. BOYS' AND YOUTHS' TWO AND THREE PIECE SUITS OF WOOLENS AND MIXED WOOL AND COTTON. Class 39.

259,962. OILBO. Registered Aug. 13, 1929. Brillo Manufacturing Company, Inc., Brooklyn, N. Y., a corporation of New York. Renewed Aug. 13, 1949. SOAPS, CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTHS OF ABRADANT NATURE FOR REMOVING FOREIGN MATTER FROM METAL AND OTHER SURFACES. Class 4.

TRADE-MARK REGISTRATIONS CANCELED

347,106. BILLIE THE BROWNIE. Registered June 15, 1937. E. J. Herte, Milwaukee, Wis. DOLLS. Class 22. Canceled Apr. 8, 1949.

382,287. FIESTA. Registered Oct. 22, 1940. Sears, Roebuck and Co., Chicago, Ill. GRASS RUGS. Class 42. Canceled Mar. 25, 1949.

402,374. "DUOLINK" AND DESIGN. Registered July 13, 1943. Mabel Whitesell Balboa, Woodside, N. Y. GLOVES MADE OF LEATHER, FABRIC, AND RUBBER. Class 39. Canceled Apr. 8, 1949.

427,267. "CRAFTMASTER PRODUCT" AND DESIGN. Registered Feb. 4, 1947. Craftmaster Products Corporation, New York, N. Y. COOKING UTENSILS MADE OF A BASE METAL—NAMELY, FRYING PANS, SKILLETS, ETC. Class 13. Canceled Apr. 8, 1949.

428,039. BLACK HILLS GOLD. Registered Mar. 4, 1947. Ivan E. Landstrom, doing business as Black Hills Jewelry Co., Rapid City, S. Dak. FINGER RINGS, BROOCHES, ETC. Class 28. Canceled Apr. 4, 1949.

433,124. "AMOCO" AND DESIGN. Registered Sept. 23, 1947. The American Oil Company, Baltimore, Md. AUTOMOBILE BATTERIES, AUTOMOBILE BATTERY CABLES, ETC. Class 21. Canceled Mar. 30, 1949.

433,125. REPRESENTATION OF TORCH AND DESIGN. Registered Sept. 23, 1947. The American Oil Company, Baltimore, Md. AUTOMOBILE BATTERIES, AUTOMOBILE BATTERY CABLES, ETC. Class 21. Canceled Mar. 30, 1949.

433,513. REPRESENTATION OF TORCH AND DESIGN. Registered Oct. 14, 1947. The American Oil Company, Baltimore, Md. AUTOMOBILE BATTERIES, AUTOMOBILE BATTERY CABLES, ETC. Class 21. Canceled Mar. 30, 1949.

434,051. "AMOCO" AND DESIGN. Registered Nov. 4, 1947. The American Oil Company, Baltimore, Md. AUTOMOBILE BATTERIES, AUTOMOBILE BATTERY CABLES, ETC. Class 21. Canceled Mar. 30, 1949.

434,424. "AMOCO" AND DESIGN. Registered Nov. 18, 1947. The American Oil Company, Baltimore, Md. AUTOMOBILE TIRES, AUTOMOBILE TUBES, ETC. Class 35. Canceled Mar. 30, 1949.

434,425. REPRESENTATION OF TORCH AND DESIGN. Registered Nov. 18, 1947. The American Oil Company, Baltimore, Md. AUTOMOBILE TIRES, AUTOMOBILE TUBES, ETC. Class 35. Canceled Mar. 30, 1949.

434,436. REPRESENTATION OF TORCH AND DESIGN. Registered Nov. 18, 1947. The American Oil Company, Baltimore, Md. AUTOMOBILE TIRES, AUTOMOBILE TUBES, ETC. Class 35. Canceled Mar. 30, 1949.

435,292. "AMOCO" AND DESIGN. Registered Dec. 16, 1947. The American Oil Company, Baltimore, Md. SOAP, DRY-CLEANING FLUID, ETC. Class 4. Canceled Mar. 30, 1949.

435,293. REPRESENTATION OF TORCH AND DESIGN. Registered Dec. 16, 1947. The American Oil Company, Baltimore, Md. SOAP, DRY CLEANING FLUID, ETC. Class 4. Canceled Mar. 30, 1949.

435,306. REPRESENTATION OF TORCH AND DESIGN. Registered Dec. 16, 1947. The American Oil Company, Baltimore, Md. SOAP, DRY-CLEANING FLUID, ETC. Class 4. Canceled Mar. 30, 1949.

435,309. "AMOCO" AND DESIGN. Registered Dec. 16, 1947. The American Oil Company, Baltimore, Md. SOAP, DRY-CLEANING FLUID, ETC. Class 4. Canceled Mar. 30, 1949.

435,655. MINUTE MASTER. Registered Jan. 6, 1948. Electromaster, Inc., Detroit, Mich. ELECTRIC TIMERS FOR ELECTRICAL RANGES. Class 21. Canceled Apr. 7, 1949.

435,708. "AMOCO" AND DESIGN. Registered Jan. 6, 1948. The American Oil Company, Baltimore, Md. AUTOMOBILE TIRES, AUTOMOBILE TUBES, ETC. Class 35. Canceled Mar. 30, 1949.

436,015. "AMOCO" AND DESIGN. Registered Jan. 20, 1948. The American Oil Company, Baltimore, Md. AUTOMOBILE POLISH, FURNITURE POLISH, ETC. Class 16. Canceled Mar. 30, 1949.

436,016. REPRESENTATION OF TORCH AND DESIGN. Registered Jan. 20, 1948. The American Oil Company, Baltimore, Md. AUTOMOBILE POLISH, FURNITURE POLISH, ETC. Class 16. Canceled Mar. 30, 1949.

436,360. "AMOCO" AND DESIGN. Registered Feb. 3, 1948. The American Oil Company, Baltimore, Md. OIL FILTER CARTRIDGES SOLD AS ENGINE ACCESSORIES. Class 23. Canceled Mar. 30, 1949.

436,363. REPRESENTATION OF TORCH AND DESIGN. Registered Feb. 3, 1948. The American Oil Company, Baltimore, Md. OIL FILTER CARTRIDGES SOLD AS ENGINE ACCESSORIES. Class 23. Canceled Mar. 30, 1949.

437,460. REPRESENTATION OF TORCH AND DESIGN. Registered Mar. 23, 1948. The American Oil Company, Baltimore, Md. OIL FILTER CARTRIDGES SOLD AS ENGINE ACCESSORIES. Class 23. Canceled Mar. 30, 1949.

437,476. "AMOCO" AND DESIGN. Registered Mar. 23, 1948. The American Oil Company, Baltimore, Md. OIL FILTER CARTRIDGES SOLD AS ENGINE ACCESSORIES. Class 23. Canceled Mar. 30, 1949.

439,484. RADIOTONE. Registered June 29, 1948. Radiotone, Inc., Hollywood, Calif. PHONOGRAPH RECORDS OF THE MECHANICALLY GROOVED TYPE, ETC. Class 36. Canceled Mar. 25, 1949.

439,884. "PETER PAN GIANT BUBBLE GUM" AND DESIGN. Registered July 27, 1948. Peter Pan Gum Corp., Brooklyn, N. Y. BUBBLE CHEWING GUM. Class 46. Canceled Mar. 25, 1949.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

139,884. "SIMONDS RADIAL CRESCENT" AND DESIGN. Registered Feb. 22, 1921. Simonds Manufacturing Company, Fitchburg, Mass. SAWS. Class 23. Amended as follows: In the statement, lines 11, 12, and 13, 'No registration rights are claimed for the word "Saw" apart from the mark shown in the drawing.' is deleted; and the drawing is amended to appear as follows:



163,091. KONGO. Registered Jan. 2, 1923. Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. BROOMS. Class 29. Corrected as follows: In the original certificate, lines 2 and 3 and line 17, in the heading to the statement, line 1, and in the renewal certificate, line 4, for "Indianapolis Brush & Broom Co." read *Indianapolis Brush & Broom Mfg. Co.*

258,863. OUTDOOR LIFE. Registered July 16, 1929. The Outdoor Life Publishing Company, Denver, Colo. TITLE OF A PERIODICAL PUBLISHED MONTHLY. Class 38. The drawing is hereby amended to appear as follows:

Outdoor Life
Outdoor Recreation

204,872. "SIMONDS RED STREAK" AND DESIGN. Registered Dec. 10, 1929. Simonds Saw and Steel Company, Fitchburg, Mass. SAWS. Class 23. Amended as follows: In the statement, column 2, lines 3, 4, and 5, 'No registration rights are claimed for the words "Works Fitchburg, Mass. Chicago, Ill. U. S. A."' is deleted; and the drawing is amended to appear as follows:



TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

412,297. WATER SPRITE. Registered Feb. 27, 1945. Charles of the Ritz, Inc. TOILET SOAPS. Class 4. New certificate under section 7(c) issued May 10, 1949, to The Pharma-Craft Corporation, New York, N. Y., a corporation of Delaware.

424,697. WATER SPRITE. Registered Oct. 22, 1946. Charles of the Ritz, Inc. TOILET WATERS, DUSTING POWDER, ETC. Class 6. New certificate under section 7(c) issued May 10, 1949, to The Pharma-Craft Corporation, New York, N. Y., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 110,596. Registered June 6, 1916. HELBURN LEATHER CO., Salem, Mass. Republished by Helburn Thompson Company, Salem, Mass., a corporation of Massachusetts.



FOR LEATHER MADE FROM THE SKINS OF SHEEP, GOAT, CALF, AND SIMILAR ANIMALS.
Claims use since October 1913.

Reg. No. 207,805. Registered Jan. 12, 1926. WOODWORTH ELEVATOR COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

EQUATOR

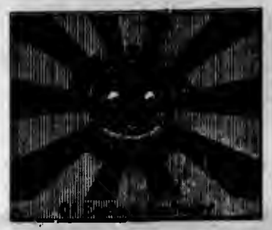
FOR SOFT COAL.
Claims use since Aug. 1, 1925.

Reg. No. 248,016. Registered Oct. 16, 1928. WEST VIRGINIA SOUTHERN COAL COMPANY, Huntington, W. Va. Republished by Truax-Traer Coal Company, Chicago, Ill., a corporation of Delaware.



The exclusive use of the word "Coal" is disclaimed.
FOR COAL.
Claims use since Mar. 24, 1928.

Reg. No. 250,207. Registered Dec. 4, 1928. MIDLAND COAL SALES COMPANY, Cincinnati, Ohio. Republished by The Midland Coal Corporation, Cincinnati, Ohio, a corporation of Ohio.



The words "Of Eastern Kentucky" are disclaimed apart from the mark as shown.
FOR COAL.
Claims use since January 1925.

Reg. No. 250,208. Registered Dec. 4, 1928. MIDLAND COAL SALES COMPANY, Cincinnati, Ohio. Republished by The Midland Coal Corporation, Cincinnati, Ohio, a corporation of Ohio.



The lining in the drawing is merely to indicate shading.
FOR COAL.
Claims use since January 1925.

Reg. No. 320,464. Registered Jan. 1, 1935. NEW ORLEANS GRAIN & FEED COMPANY, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.



FOR BREWERS' GRAIN.
Claims use since 1906.

Reg. No. 322,899. Registered Mar. 26, 1935. NORTHWESTERN BLAUGAS COMPANY, St. Paul, Minn. Republished by Locto Company, St. Paul, Minn., a corporation of Minnesota.



FOR SYNTHETIC RESINS.
Claims use since on or about May 1, 1933.

Reg. No. 395,602. Registered June 2, 1942. E. W. MCLELLAN CO., San Francisco, Calif. Republished by E. W. McLellan Co., San Francisco, Calif., a corporation of California.

Tailored

FOR NATURAL FLOWERS.
Claims use since Aug. 12, 1941.

Reg. No. 428,420. Registered Mar. 25, 1947. THE SPECIAL CHEMICALS CO., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SPECCO

FOR BULK COMMERCIAL SYNTHETIC RESINS.
Claims use since Mar. 15, 1945.

Reg. No. 435,626. Registered Jan. 6, 1948. THE SPECIAL CHEMICALS CO., Cleveland, Ohio., a corporation of Ohio. Republished by registrant.

COSMALITE

FOR LIQUID PHENOL FORMALDEHYDE RESIN, SUITABLE FOR VARIOUS USES IN THE INDUSTRIAL ARTS.
Claims use since Jan. 1, 1943.

Reg. No. 437,802. Registered Mar. 30, 1948. THE GRIESS-PFLEGER TANNING CO., Waukegan, Ill., a corporation of Ohio. Republished by registrant.

ANILTAN

FOR LEATHER.
Claims use since Feb. 27, 1947.

CLASS 2

RECEPTACLES

Reg. No. 250,413. Registered Dec. 11, 1928. MASTER METAL PRODUCTS, INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

SANETTE

FOR PAPER BAGS.
Claims use since Jan. 21, 1926.

Reg. No. 378,425. Registered June 11, 1940. COHN & ROSENBERGER, INC., New York, N. Y. Republished by Coro, Inc., New York, N. Y., a corporation of New York.

"AS YOU LIKE IT"

FOR NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME; BEADS, PINS, HAT ORNAMENTS, CLASPS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since May 1939.

Reg. No. 407,969. Registered July 11, 1944. CORO, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Thorobreds

FOR NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since June 1942.

Reg. No. 428,993. Registered Apr. 15, 1947. CORO, INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, AND JEWELRY INITIALS.
Claims use since March 1938.

Reg. No. 435,448. Registered Dec. 30, 1947. AUGUSTUS MIESSON, San Francisco, Calif. Republished by registrant.

mipro

FOR SANITARY NAPKIN DISPOSAL CANS, DISPOSAL CANS FOR WASTE BOTH OPEN AND SWING-TOP, WASTEPAPER BASKETS, PAPER TOWEL DISPENSERS, STEP-ON GARBAGE CANS, AND METAL SAND-URNS.
Claims use since Dec. 15, 1944.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 243,105. Registered June 12, 1928. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn., a corporation of Connecticut. Republished by registrant.



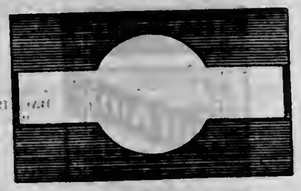
FOR ACCESSORIES FOR HARNESS AND SADDLERY OF ALL KINDS—NAMELY, BUCKLES, SPRING-LEVER BUCKLES, SLIDE BUCKLES, PATENT-LEVER BUCKLES, BUCKLES FOR WEB STRAPS, BUCKLES FOR SKI STRAPS, GROMMETS AND WASHERS, WEB STRAP TIPS, BELT BUCKLES WITH ROLLING BAR, BELT BUCKLES WITH ADJUSTABLE CAM LEVER, REPAIR BUCKLES, QUICK-RELEASE BUCKLES, BUCKLE PARTS, BLANKET BUCKLES, TRACE BUCKLES, DOUBLE-GRIP BUCKLE PARTS COMPRISING SCREW BAILS AND TONGUES, BRIDLE BUCKLES, CINCH BUCKLES, LEGGING BUCKLES, SHIELD REVERSE BUCKLES, TUG BUCKLES, BAGGAGE BUCKLES, REIN BUCKLES, SNAPS, BAG SNAPS, SWIVEL BAG SNAPS, BLANKET SNAPS, TRIGGER SNAPS, HUBBARD SNAPS, SWIVEL-EYE CHAIN SNAPS, LOOP SNAPS, BOLT SNAPS, SWIVEL-EYE SNAPS, OPEN-EYE BOLT SNAPS, HINGED-EYE BOLT SNAPS, DOUBLE BOLT SNAPS, SAFEGUARD SNAPS, SWIVEL-EYE SAFEGUARD SNAPS, HARNESS SNAPS; BIT, MUZZLE, AND BREECHING SNAPS; ROPE SNAPS, D RINGS AND CLASPS, TEAMSTER SNAPS; TEAMSTER SNAPS, RIGHTS AND LEFTS; CHOKE SNAPS, CHOKE SNAPS WITH SCREW AND ROLLER; CHOKE SNAPS, SWIVEL PATTERN WITH SCREW AND ROLLER; NECK-YOKE SNAPS WITHOUT ROLLER AND WITH LOOSE RIVET, BREAST-STRAP ROLLER SNAPS, SNAPS AND SLIDES, CHAIN SNAPS, BREAST-CHAIN SNAPS, BREAST-CHAIN SNAPS WITH OSCILLATING SLIDE, BREAST CHAINS WITH SNAPS, HEEL CHAINS AND SNAPS, CHAIN REPAIR LINKS, RINGS, RING TONGUES, D's, POLE-STRAP D's, BREECHING D's, REPAIR D's, CINCH RINGS AND D's, CHEEK D's, HARNESS LOOPS; HARNESS LOOPS, TWO FOLD; LOOPS, HITCH STRAP, SHAFT TUG, ETC.; LAYER LOOPS, TRACE LOOPS, SPREAD LOOPS, SQUARES, TUCK LOOPS, TERRETS, TERRETS AND HOOPS, COLLARS AND SOFT-PAD TERRETS, SAFETY CHECK HOOKS, PAD HOOKS, POST HOOKS, TURN-BACK HOOKS, EXPRESS HOOKS, PAD SCREWS, PAD-PLATE SCREWS, SELF-ADJUSTING TREES, GIG SADDLE-TREES, PAD BRIDGES, BEARER LOOPS, BACKBAND LOOPS, GIG SADDLE CLIPS AND D's, GAG SWIVELS, METAL ORNAMENTS FOR SADDLERY AND HARNESS; HALTER HARDWARE COMPRISING HALTER BOLTS, SWIVELS, COMBINED LOOPS AND RINGS, ROPE CLAMPS AND RINGS, ROPE TIE ADJUSTERS, ROPE THIMBLES, ROPE HALTER SETS, AND WEB HALTER TRIMMINGS, AND BRIDLE AND HALTER SQUARES; HAMES AND HAME TRIMMINGS AND ATTACHMENTS AND REPAIR PARTS COMPRISING HAMES, HAME BALLS, HAME FASTENERS, HAME TERRETS, HAME BOTTOM LOOPS, HAME-REPAIR CLIPS, HAME STAPLES, HAME LINE RINGS AND STUDS, HAME CLIPS, HAME ATTACHMENTS, HOOKS FOR HAMES, RATCHETS FOR HAMES, HAME TUG PLATES; COCKEYES, COCKEYE CLIPS, STEEL CLIPS, TRACE CLIPS, TOGGLES, JOINTED TRACE CONNECTORS, TRACE HOOKS, TUG HOOKS, HOOKS AND D's, TRACE D's, CLEVISES, TRACE SPLICES, BREECHING LOOPS, TRACE LOOPS, JOCKEY-STRAP LOOPS AND RINGS, TRACE SUPPORTERS, BREAST-STRAP SLIDES, BACKBAND HOOPS, TRACE CARRIERS, TRACE CARRIERS AND RUMP RINGS, BITS, SNAFFLES, REIN CHAINS, CURB CHAINS, SPURS, SPUR ROWELS, SPUR STRAPS, STIRRUPS, BUCKLE SHIELDS, COLLAR FASTENERS, HONDA OR LASSO RINGS, REIN BILLET STEELS, COLLAR STRAP SLIDES, REIN SLIDES, REIN OR SATCHEL HOOKS, HAMMOCK D's, REIN HOLDERS, MANE COMBS, SADDLE TRIMMINGS, BUTTONS; BLANKET HARDWARE COMPRISING D's, SLIDES, LOOPS, CATCHES, FRONT SETS, CLASPS, HOOK AND EYE; HANDY HARDWARE ASSORTMENT FOR REPAIRS; TRUNK AND BAG HARDWARE COMPRISING BUCKLES, HANDLE LOOPS, WARDROBE-TRUNK DRAWER PULLS, SHAWL-STRAP HANDLES AND D's; DOG-COLLAR TRIMMINGS COMPRISING BUCKLES AND NAME PLATES, LEAD-REIN HOLDERS, DOUBLE EYE AND LOOP, STUD HOOKS, STIRRUP-STRAP LOOPS, BREAST-STRAP HOOKS, SIDE AND BACK STRAP HOOPS, SIDE-LINE FASTENERS, LARIAT HOOKLINK AND THIMBLE, SLIDING KEEPERS FOR STRAP ENDS, CLIPS FOR STRAP ENDS, FASTENERS FOR APPLICATION TO STRAP ENDS, END HOOKS, SLING LOOPS, DOUBLE HOOKS, CHOKE STAPLES AND PLATES, AND KNAPSACK HARDWARE.
Claims use since November 1911.

Reg. No. 243,106. Registered June 12, 1928. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn., a corporation of Connecticut. Republished by registrant.



FOR D RINGS.
Claims use since November 1911.

Reg. No. 243,107. Registered June 12, 1928. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn., a corporation of Connecticut. Republished by registrant.



FOR HARNESS RINGS.
Claims use since November 1911.

Reg. No. 246,030. Registered Aug. 28, 1928. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn., a corporation of Connecticut. Republished by registrant.

Star

FOR BITS, SPURS, SPUR ROWELS, SPUR STRAPS, REIN CHAINS, AND STIRRUPS.
Claims use since 1902.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 50,848. Registered Apr. 3, 1906. BON AMI COMPANY, New York, N. Y. Republished by The Bon Ami Company, New York, N. Y., a corporation of Delaware.

BON AMI

FOR SCOURING SOAP.
Claims use since July 5, 1892.

Reg. No. 68,213. Registered Mar. 17, 1908. THE CUDAHY PACKING CO., Chicago, Ill., and South Omaha, Nebr. Republished by The Cudahy Packing Company, Chicago, Ill., a corporation of Maine.

Dutch Hand Soap



FOR ABRASIVE SOAP.
Claims use since Dec. 12, 1905.

Reg. No. 88,548. Registered Oct. 1, 1912. BON AMI COMPANY, New York, N. Y. Republished by The Bon Ami Company, New York, N. Y., a corporation of Delaware.

BON AMI

FOR SCOURING SOAP.
Claims use since July 5, 1892.

Reg. No. 99,079. Registered Aug. 18, 1914. THE BON CO., New York, N. Y. Republished by The Bon Ami Company, New York, N. Y., a corporation of Delaware.

Bon Ami

FOR SCOURING SOAP IN CAKE OR POWDER FORM.
Claims use since July 5, 1892.

Reg. No. 109,312. Registered Mar. 28, 1916. THE BON AMI CO., New York, N. Y. assignor to The Bon Ami Company. Republished by The Bon Ami Company, New York, N. Y., a corporation of Delaware.



The mark consists of the words "Bon Ami" in association with the pictorial matter shown. No claim is made to the other wording shown on the drawing apart from the mark shown in the drawing.
FOR SCOURING SOAP IN CAKE OR POWDER FORM.
Claims use since July 5, 1892.

Reg. No. 115,232. Registered Jan. 30, 1917. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Pedico

FOR FOOT-SOAP.
Claims use since 1912.

Reg. No. 116,245. Registered Apr. 17, 1917. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.



FOR FOOT-SOAPS.
Claims use since 1915.

Reg. No. 218,840. Registered Oct. 5, 1926. THE BON AMI COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.



The drawing is for red. No claim is made to the wording upon the drawing other than the words "Bon Ami."

FOR SCOURING SOAP IN CAKE AND POWDERED FORM.

Claims use since about July 5, 1892.

Reg. No. 243,033. Registered June 12, 1928. THE BON AMI COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.



No claim is made to the wording shown on the drawing apart from the mark "Bon Ami," namely, the instructions in Spanish reading: "A Window a Minute, No Brushes, No Mops, No Dirty Water, Mark Registered, To Clean and Polish Fine Articles," and "The Modern Cleaner for Crystals, Paints, Kitchen Utensils, Bath Rooms, Metals, Etc."

FOR SCOURING SOAP IN CAKE AND POWDERED FORM.

Claims use since about June 1924.

Reg. No. 261,327. Registered Sept. 17, 1929. THE BON AMI COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.



All the wording on the drawing is disclaimed apart from the trade-mark "Bon Ami" as shown.

FOR SCOURING SOAP IN CAKE OR POWDER FORM.

Claims use since about July 5, 1917.

Reg. No. 293,055. Registered Apr. 5, 1932. THE BON AMI COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

BON AMI

deluxe

FOR CLEANING AND POLISHING POWDER FOR HOUSEHOLD USE AND FOR CLEANING THE HANDS.

Claims use since Apr. 3, 1931.

Reg. No. 299,120. Registered Nov. 22, 1932. THE BON AMI COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.



The drawing is lined for red and yellow. The words "El Limpiador Moderno" and "Trade-Mark" are disclaimed apart from the mark as shown. The outline of a label is also disclaimed apart from the mark as shown.

FOR POLISHING AND CLEANING POWDER FOR GENERAL USE.

Claims use since 1914.

Reg. No. 303,446. Registered May 23, 1933. BON AMI AMI COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR SCOURING SOAP IN CAKE AND POWDERED FORM, AND CLEANING AND POLISHING POWDER FOR HOUSEHOLD USE AND FOR CLEANING THE HANDS.

Claims use since Jan. 14, 1902.

Reg. No. 319,895. Registered Dec. 11, 1934. FERRO ENAMEL CORPORATION, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



The word "Compound" is disclaimed apart from the mark as shown.

FOR CLEANING COMPOUNDS FOR GENERAL USE, PARTICULARLY ADAPTED FOR ALL RAILROAD MAINTENANCE CLEANING.

Claims use since July 17, 1934.

Reg. No. 322,974. Registered Mar. 26, 1935. NU-ENAMEL CORPORATION, Chicago, Ill. Republished by Nu-Enamel Corporation, Chicago, Ill., a corporation of Delaware.

NU-ENAMEL

FOR TOP DRESSING, SAND PAPER, AND CHEMICALLY TREATED RAGS FOR CLEANING SURFACES.

Claims use since March 1927.

Reg. No. 323,800. Registered Apr. 30, 1935. NU-ENAMEL CORPORATION, Chicago, Ill. Republished by Nu-Enamel Corporation, Chicago, Ill., a corporation of Delaware.

NOVEMAIL

FOR TOP DRESSING, SAND PAPER, AND FOR CHEMICALLY TREATED RAGS FOR CLEANING SURFACES.

Claims use since Nov. 30, 1934.

Reg. No. 337,902. Registered Aug. 25, 1936. THE BON AMI COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.



All the wording on the drawing is disclaimed apart from the mark as shown except the words "Bon Ami" and "The Bon Ami Company."

FOR POLISHING AND CLEANING POWDER.

Claims use since 1913.

Reg. No. 342,279. Registered Jan. 12, 1937. THE BON AMI COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.



All the wording shown on the drawing is disclaimed apart from the mark as shown except the words "Bon Ami" and "The Bon Ami Co." The representation of a carton and the representation of a label are also disclaimed apart from the mark as shown.

FOR CLEANSING POWDER.

Claims use since Oct. 11, 1935.

Reg. No. 384,697. Registered JAN. 28, 1941. RAYMOND SOAP, doing business as Swerl Products Company, Oakland, Calif. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

Swerl

FOR NON-SAPONACEOUS COMPOUND FOR USE WITH WATER AS A DETERGENT FOR HOME-LAUNDRY AND GENERAL HOUSEHOLD USE.

Claims use since Mar. 15, 1940.

Reg. No. 395,607. Registered June 2, 1942. THE BON AMI COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR SCOURING SOAP IN CAKE OR POWDERED FORM.

Claims use since Sept. 1, 1939.

Reg. No. 403,813. Registered Oct. 10, 1943. THE BON AMI COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR SCOURING SOAP IN CAKE AND POWDERED FORM.
Claims use since Dec. 11, 1901.

Reg. No. 427,062. Registered Jan. 28, 1947. KATZ DRUG COMPANY, Kansas City, Mo., a corporation of Delaware. Republished by registrant.

Stylis

FOR DETERGENT PREPARATION FOR USE IN BATHING AND WASHING PARTS OF THE HUMAN BODY.
Claims use since 1939.

Reg. No. 436,036. Registered Jan. 20, 1948. PRACTICAL PRODUCTS COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

CARBUSOL

FOR LIQUID PETROLEOUS SOLVENTS FOR CARBON, PAINT, ANALINE DYES, VARNISH, AND GUMMY RESIDUES, FOR USE IN THE CLEANING OF MECHANICAL PARTS.
Claims use since Apr. 22, 1943.

Reg. No. 438,324. Registered Apr. 13, 1948. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

TOWN TALK

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since Jan. 24, 1881.

CLASS 5

ADHESIVES

Reg. No. 421,204. Registered May 21, 1946. THE SPECIAL CHEMICALS CO., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

FLEXBOND

FOR EMULSIFIED POLYVINYL ACETATE USED AS A BULK LIQUID ADHESIVE.
Claims use since Mar. 15, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 33,737. Registered Nov. 14, 1899. JOHN A. BROWN, Washington, Kans. Republished by John A. Brown, Jr., Washington, Kans.

TAN-A-ZIN

FOR COSMETIC COMPOUND FOR THE COMPLEXION.
Claims use since Nov. 15, 1895.

Reg. No. 69,809. Registered July 7, 1908. HANRAHAN PHARMACAL CO. INC., Portsmouth, Va. Republished by Frank C. Hanrahan, doing business as Frank Drug Co., Arlington, Va.

BUFF'S

FOR COMPOUND PURGATIVE ELIXIR.
Claims use since 1850.

Reg. No. 81,181. Registered Mar. 7, 1911. TURNER'S PHARMACY, Richmond, Va. Republished by J. Walter Ernest, Richmond, Va.

RED-ANKA

FOR INTERNAL REMEDY FOR THE TREATMENT OF RHEUMATISM, GOUT, LUMBAGO AND ACUTE PAINS IN THE BACK.
Claims use since about Dec. 1, 1909.

Reg. No. 101,615. Registered Jan. 5, 1915. THE BARKER, MOORE & MEIN MEDICINE COMPANY, Philadelphia, Pa. Republished by Barker, Moore & Mein Company, Philadelphia, Pa., a corporation of Pennsylvania.

BARKER'S

FOR CONDITION-POWDER AND MEDICINES FOR MAN AND BEAST FOR THE TREATMENT OF RHEUMATISM, SPRAINS, BRUISES, CHILBLAINS, STIFF AND WEAK JOINTS, CORKS, CHAFES, GALLS, CUTS, WOUNDS, SPAVINS, SCRATCHES, SWELLED LIMBS, FROST-BITES, CRACKS, SHOE-BOLL, LAMENESS, CORNS, BURNS, CAKED BREASTS, MANGE, WHITLOWS, CRAMPS OF THE MUSCLES, THOROUGHPINS, CRACKED HEELS, AND RING-BONE.
Claims use since 1882.

Reg. No. 115,866. Registered Mar. 13, 1917. THE SCHOLL MANUFACTURING COMPANY, Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.



FOR CORN-PADS, CORN-PLASTERS, FOOT-OINTMENTS, BUNION AND STIFF-JOINT OINTMENTS, FOOT-POWDERS, FOOT-BATH TABLETS, CHILBLAIN-LOTIONS, INGROWING-TOE-NAIL REMEDIES, CORN-SALVE, CALLUS-SALVE, AND FOOT LOTION.
Claims use since Sept. 29, 1915.

Reg. No. 117,206. Registered June 19, 1917. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

FIXO

FOR CORN PLASTERS.
Claims use since 1906.

Reg. No. 144,872. Registered July 19, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

CARNATA

FOR DYESTUFFS—NAMELY, CERTIFIED FOOD-COLORS.
Claims use since Oct. 5, 1920.

Reg. No. 144,873. Registered July 19, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

SAFFIRA

FOR DYESTUFFS—NAMELY, CERTIFIED FOOD-COLORS.
Claims use since Oct. 8, 1920.

Reg. No. 167,379. Registered May 1, 1923. THE SCHOLL MANUFACTURING COMPANY, Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Zin-Ox Pads

No claim is made to the word "Pads" except in the relation shown.
FOR ADHESIVE MEDICATED SHIELDS OR PADS FOR CORNS, CALLUSES, AND BUNIONS.
Claims use since 1911.

Reg. No. 192,076. Registered Nov. 25, 1924. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Solvex

FOR OINTMENTS AND OTHER PHARMACEUTICAL PREPARATIONS FOR TREATMENT OF CORNS.
Claims use since January 1924.

Reg. No. 197,403. Registered Apr. 14, 1925. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Ped-o-Kube

FOR MEDICATED AND PERFUMED FOOT-BATH TABLET.
Claims use since early part of 1921.

Reg. No. 216,576. Registered Aug. 17, 1926. THE ARTESIA CREAM COMPANY, Waco, Tex. Republished by Martha Lee, Inc., Waco, Tex., a corporation of Texas.

ARTESIA

FOR CREAM FOR THE COMPLEXION AND ASTRINGENT LOTION.
Claims use since Jan. 1, 1897.

Reg. No. 240,812. Registered Apr. 10, 1928. J. E. WILKINSON, JR., Prattville, Ala. Republished by registrant.

Q--ZEMA

FOR PREPARATION IN LIQUID FORM FOR EXTERNAL APPLICATION IN THE TREATMENT OF SKIN DISEASES.
Claims use since Jan. 2, 1927.

Reg. No. 249,100. Registered Nov. 6, 1928. RED SPOT PAINT & VARNISH CO., Evansville, Ind., a corporation of Indiana. Republished by registrant.



The drawing is lined for red.
FOR FABRIC DYES AND GLASS FROSTING.
Claims use since June 1, 1912.

Reg. No. 249,256. Registered Nov. 13, 1928. E. F. HOUGHTON & Co., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

LEATHERLURK

FOR COMPOUNDS FOR PROCESSING AND TANNING LEATHER.
Claims use since June 1, 1928.

Reg. No. 251,301. Registered Jan. 1, 1929. NEWPORT MANUFACTURING COMPANY, Carrollville, Wis. Republished by E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.

DECALIN

FOR DECAHYDRONAPHTHALENE.
Claims use since Nov. 15, 1924.

Reg. No. 257,168. Registered May 28, 1929. WILLIAM HARMON VARNEY, Newton, N. H. Republished by registrant.

Harmozone

FOR MEDICINAL PREPARATION FOR TREATING SORE THROAT, CATARRH, AND HEAD COLDS.
Claims use since Sept. 28, 1928.

Reg. No. 297,071. Registered Aug. 30, 1932. THE BON AMI COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

BON AMI

FOR TOOTH PASTE.
Claims use since Mar. 4, 1932.

Reg. No. 297,162. Registered Sept. 6, 1932. THE BON AMI COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR TOOTH PASTE.
Claims use since Mar. 4, 1932.

Reg. No. 321,355. Registered Jan. 29, 1935. DON BAXTER, INC., Glendale, Calif., a corporation of Nevada. Republished by registrant.

Vacoliter

FOR INTRAVENOUS SOLUTIONS, MORE SPECIFICALLY, SOLUTIONS OF DEXTROSE IN DISTILLED WATER, DEXTROSE IN NORMAL SALINE, SODIUM CHLORIDE SOLUTIONS, HARTMAN'S SOLUTION MODIFIED, RINGER'S SOLUTION MODIFIED, DEXTROSE IN HARTMAN'S SOLUTION, DEXTROSE IN RINGER'S SOLUTION, AND DISTILLED WATER.
Claims use since June 22, 1931.

Reg. No. 323,886. Registered May 7, 1935. RANSOM E. STALLINGS, Spartanburg, S. C. Republished by registrant.

CHES-O-KOL

FOR PREPARATION TO BE APPLIED EXTERNALLY FOR THE TREATMENT OF PNEUMONIA, CHEST AND THROAT COLDS, HEAD COLDS, RHEUMATISM, SORE THROAT, CROUP, CUTS, BURNS, CHAPPED HANDS, AND SKIN DISEASES.
Claims use since on or about Oct. 1, 1933.

Reg. No. 329,309. Registered Oct. 22, 1935. NORTHWESTERN BLAUGAS COMPANY, St. Paul, Minn. Republished by Locto Company, St. Paul, Minn., a corporation of Minnesota.

Blau-gas

The word "Blaugas" is disclaimed apart from the mark as shown.
FOR LIQUEFIED PETROLEUM GASES AND TANKS FILLED WITH SUCH GAS.
Claims use since June 1911

Reg. No. 351,188. Registered Oct. 19, 1937. THE DIVERSEY CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR DISINFECTANTS, GERMICIDES, AND STERILIZERS, GENERALLY USED IN SOLID FORM FOR DISINFECTING RECEPTACLES AND CONTAINERS; AND ALSO FOR USE AS A WATER SOFTENER AND A GENERAL CLEANSER.
Claims use since Jan. 15, 1937.

Reg. No. 356,822. Registered May 10, 1938. KATZ DRUG COMPANY, Kansas City, Mo., a corporation of Delaware. Republished by registrant.



FOR DEODORANT, ANTISEPTIC, AND GERMICIDE PREPARATIONS.
Claims use since June 1, 1904.

Reg. No. 376,184. Registered Mar. 12, 1940. BARKER, MOORE & MEIN COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

BARKER'S

FOR OINTMENT FOR CUTS, SCRATCHES, BURNS, SKIN IRRITATIONS, AND PILES; LICE EXTERMINATOR FOR POULTRY; DISINFECTANT FOR ANIMALS, POULTRY, DAIRY BARNS, STABLES, POULTRY HOUSES AND COOPS, KENNELS AND HOUSEHOLD USE; TAPEWORM PREPARATION FOR POULTRY; ROUNDWORM PREPARATION FOR POULTRY; INTESTINAL ASTRINGENT FOR POULTRY; FLY SPRAY FOR ANIMALS; HOUSEHOLD SPRAY FOR USE AGAINST FLIES, MOTHS, ANTS, ROACHES, MOSQUITOES, BEDBUGS, AND FLEAS; AND SPRAY INHALANT FOR POULTRY.
Claims use since 1882.

Reg. No. 387,972. Registered June 10, 1941. THE STYRON-BEGGS COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

GREAT
-SEAL-

FOR ADHESIVE TAPE OR OXIDE OF ZINC; ALUM; AMMONIA; ANTISEPTIC SOLUTION; ASPIRIN; BORAX; BORIC ACID; SPIRITS OF CAMPHOR; CAMPHORATED OIL; CASTOR OIL; CHOCOLATE LAXATIVES; SALVE FOR RELIEF OF SYMPTOMS ACCOMPANYING COMMON COLDS; COLD TABLETS; WILD CHERRY COUGH SYRUP; CREAM OF TARTAR; PREPARATION FOR CLEANING DRAIN PIPES; EPSOM SALTS; FLY SPRAY; GLYCERINE; HAARLEM OIL; LINIMENT; TOILET LOTION; MINERAL OIL; MOTH BALLS; SPIRITS OF NITRE; SPIRITS OF PEPPERMINT; PETROLEUM JELLY; PINE TAR; QUININE SULPHATE; ROSE WATER AND GLYCERINE; SALICYLIC ACID; SALT-PETRE; SENNA LEAVES; LIQUID SHAMPOO; SULPHUR; SWEET OIL; TOOTH PASTE; TOOTHACHE DROPS; TOOTHACHE GUM; COMPOUND OF BISULPHATE OF SODA AND OTHER INGREDIENTS AND HAVING DISINFECTANT AND GERMICIDAL PROPERTIES AND ADAPTED FOR USE IN CONNECTION WITH TOILET BOWLS AND OTHER FIXTURES; COMPOUND OF LITHOPONE, BENTONITE, AND TITANIUM OXIDE, AND USED AS A DYE FOR SHOES AND OTHER LEATHER ARTICLES; AND LIQUID FOOD COLORS.
Claims use since January 1896.

Reg. No. 412,406. Registered Mar. 6, 1945. KATZ DRUG COMPANY, Kansas City, Mo., a corporation of Delaware. Republished by registrant.

WELL OFF

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF CORNS AND CALLOUSES.
Claims use since June 30, 1944.

Reg. No. 414,481. Registered June 12, 1945. BERNHARD PETERSON, doing business as Berlou Manufacturing Company, Marion, Ohio. Republished by registrant.

BERLOU

FOR MOTH-PROOFING COMPOSITION.
Claims use since Dec. 15, 1930.

Reg. No. 436,969. Registered Mar. 2, 1948. LEO GALLITANO, Waltham, Mass. Republished by registrant.

SUNSET-GLOW

The mark "Glow" is disclaimed apart from the mark as shown.
FOR CHEMICAL FOR COLORING HEARTH FIRES.
Claims use since Nov. 18, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 378,425. Registered June 11, 1940. COHN & ROSENBERGER, INC., New York, N. Y. Republished by Coro, Inc., New York, N. Y., a corporation of New York.

"AS YOU LIKE IT"

FOR NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME; BEADS, PINS, HAT ORNAMENTS, CLASPS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since May 1939.

Reg. No. 407,969. Registered July 11, 1944. CORO, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Chorobreds

FOR NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since June 1942.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 249,840. Registered Nov. 20, 1928. RED SPOT PAINT & VARNISH CO., Evansville, Ind., a corporation of Indiana. Republished by registrant.

RED SPOT

The drawing is lined to indicate the color red.
FOR DRY AND READY-MIXED PAINTS, FILLERS FOR WOOD, PAINT AND VARNISH REMOVER, PREPARED SHELLACS, THINNERS (PAINT AND VARNISH), PRIMERS, BRONZE ENAMELS, STRUCTURAL PAINT, GRAPHITE PAINT (LIQUID), BARN PAINT, AUTO FINISH PAINT ENAMEL, BRUSHING LACQUERS ENAMELS (PAINT); DISTEMPER COLORS (PAINT); WAX POLISH FOR FLOORS, FURNITURE, AND AUTOMOBILES; SIENNA PAINT PIGMENTS, OIL STAINS; STACK, BOILER, AND BREECHING PAINT; BITUMINOUS PAINT ENAMEL, OIL COLORS, JAPAN COLORS, SHOW-CARD COLORS, ACID-PROOF BATTERY PAINT, VARNISHES, TIRE PAINT, LEADS (BLUE), HEAT-PROOF PAINT ENAMELS, WHITE LEAD, PUTTY, KALSOMINE, STUCCO AND CEMENT COATER; GLASS FROSTING—NAMELY, CLEAR VARNISH CONTAINING A PAINT PIGMENT; AND WOOD DYES.
Claims use since June 1, 1912.

Reg. No. 252,098. Registered Jan. 22, 1929. IRVING IRON WORKS COMPANY, Long Island City, N. Y. Republished by Irving Subway Grating Co. Inc., Long Island City, N. Y., a corporation of New York.

UNIFIED

FOR REENFORCED CONCRETE FLOORING STRUCTURES.
Claims use since Aug. 17, 1928.

Reg. No. 252,099. Registered Jan. 22, 1929. IRVING IRON WORKS COMPANY, Long Island City, N. Y. Republished by Irving Subway Grating Co. Inc., Long Island City, N. Y., a corporation of New York.

ARMORING

FOR REENFORCED CONCRETE FLOORING STRUCTURES.
Claims use since Aug. 17, 1928.

Reg. No. 252,100. Registered Jan. 22, 1929. IRVING IRON WORKS COMPANY, Long Island City, N. Y. Republished by Irving Subway Grating Co. Inc., Long Island City, N. Y., a corporation of New York.

CONTINUITY

FOR METAL GRATINGS FOR FLOORING.
Claims use since Aug. 17, 1928.

Reg. No. 312,099. Registered Apr. 17, 1934. RED SPOT PAINT & VARNISH CO., INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

RED SPOT

FOR FLAT WALL PAINT, FOUR-HOUR ENAMEL, AUTOMOBILE ENAMEL, LIQUID MASK FOR REFINISHING AUTOMOBILES, PYROXYLIN PRIMER, OIL SURFACER, OIL PRIMER, AUTO FINISH, SPAR VARNISH, OIL COLORS, SHOW CARD COLORS, STREET MARKING PAINT, LIQUID BLACKBOARD SLATING, REFINED CREOSOTE PAINT, WALL SEALING PAINT SASH PAINT, HOUSE PAINT, PASTE PAINT, PASTE WOOD FILLER, STORE FRONT AND TRIM PAINT, METALIZED WATER-PROOF COATING, BRONZE POWDER MIXING MEDIUM, BRONZE ENAMEL, CRACK AND CREVICE FILLER, FLOOR ENAMEL, PORCH PAINT, STOVE-PIPE ENAMEL, SCREEN ENAMEL, ACIDPROOF BATTERY PAINT; CARRIAGE, WAGON, AND TRUCK ENAMEL, ENAMEL FOR USE AS A FINISHING COAT, VARNISH STAIN, GALVANIZED IRON PRIMER, METAL PRIMER, LIQUID RED LEAD, STRUCTURAL PAINT, BARN PAINT, HEAT PROOF ENAMEL, WHITE ENAMEL PAINT, ENAMEL UNDERCOATER, ENAMEL THINNER, GLAZING LIQUID, PAINT OIL, LACQUER THINNER, PAINT AND VARNISH REMOVER; PAINT AND VARNISH PRESERVATIVE FOR FLOORS, LINOLEUMS, AND SO FORTH; JAPAN COLORS, TINNER'S PAINT, BITUMINOUS ENAMEL, SHINGLE STAIN, ICE-CREAM TUB ENAMEL, COPPER BOTTOM PAINT, OAK INTERIOR TRIM AND DADO ENAMEL, PUTTY, FLOOR WAX, KNIFING PUTTY, COLORS FOR ARTISTS IN PASTE FORM, GASKET SHELLAC COMPOUND.
Claims use since June 1, 1912.

Reg. No. 373,104. Registered Nov. 28, 1939. SAKRETE, INC., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

SAKRETE

FOR SACKS OF CONCRETE, EACH COMPRISING A COMMERCIAL PACKAGE OF CONCRETE AGGREGATE.
Claims use since July 14, 1936.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 161,468. Registered Nov. 14, 1922. FLANNERY BOLT COMPANY, Wilmington, Del., and Pittsburgh, Pa. Republished by Flannery Bolt Company (1926), Bridgeville, Pa., a corporation of Delaware.

FBC

FOR BOILER STAY BOLTS, TRACK, FROG AND SWITCH BOLTS AND NUTS, AND SEMIRIGID AND FLEXIBLE STAY BOLTS.
Claims use since February 1919.

Reg. No. 242,829. Registered June 5, 1928. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn., a corporation of Connecticut. Republished by registrant.

ANCHOR BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR CATCHES, UPHOLSTERY NAILS, END CLIPS, D RINGS, SNAPS, FINISHING SCREW WASHERS, TENSION SLIDES, CHAIN-REPAIR LAP LINKS, HOOK BUCKLES, WEB STRAP TIPS, MATCH LEATHER NAILS, SHOWER-BATH CURTAIN LOOPS, RAZOR-STROP HARDWARE AND TRIMMINGS—NAMELY, SNAPS, SWIVEL SNAPS, BUCKLES, SWIVELS, LOOPS, COMBINED SNAPS AND SWIVELS, HANDLES, BOLTS AND NUTS, AND WIRE LOOPS.
Claims use since February 1912.

Reg. No. 242,830. Registered June 5, 1928. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn., a corporation of Connecticut. Republished by registrant.



FOR CATCHES, UPHOLSTERY NAILS, END CLIPS, D RINGS, SNAPS, FINISHING SCREW WASHERS, TENSION SLIDES, CHAIN-REPAIR LAP LINKS, HOOK BUCKLES, WEB STRAP TIPS, MATCH LEATHER NAILS, SHOWER-BATH CURTAIN LOOPS, RAZOR-STROP HARDWARE AND TRIMMINGS—NAMELY, SNAPS, SWIVEL SNAPS, BUCKLES, SWIVELS, LOOPS, COMBINED SNAPS AND SWIVELS, HANDLES, BOLTS AND NUTS, AND WIRE LOOPS.
Claims use since February 1912.

Reg. No. 250,433. Registered Dec. 11, 1928. WOLVERINE TUBE COMPANY, Detroit, Mich. Republished by Calumet and Hecla Consolidated Copper Company, Calumet, Mich., a corporation of Michigan.

W

FOR METAL TUBING.
Claims use since June 1, 1928.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 257,859. Registered June 18, 1929. WHEELING STEEL CORPORATION, Wheeling, W. Va., a corporation of Delaware. Republished by registrant.

TENSILITE

FOR ROLLED SHEET STEEL.
Claims use since Jan. 24, 1929.

CLASS 15

OILS AND GREASES

Reg. No. 151,203. Registered Jan. 24, 1922. PANAMA LUBRICANTS COMPANY, Los Angeles, Calif. Republished by The Pennzoil Company, Los Angeles, Calif., a corporation of California.

PENNZITE

FOR MINERAL GREASES USED FOR LUBRICATING BEARINGS AND TRANSMISSIONS.
Claims use since July 1, 1921.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 80,495. Registered Dec. 27, 1910. GEORGE ROWNEY & CO., London, England. Republished by George Rowney & Company Limited, London, England, a corporation of Great Britain.



FOR ARTISTS' COLORS AND ARTISTS' VARNISHES.
Claims use since Oct. 7, 1905.

Reg. No. 240,840. Registered Nov. 20, 1928. RED SPOT PAINT & VARNISH CO., Evansville, Ind., a corporation of Indiana. Republished by registrant.



The drawing is lined to indicate the color red.
FOR DRY AND READY-MIXED PAINTS, FILLERS FOR WOOD, PAINT AND VARNISH REMOVER, PREPARED SHELLACS, THINNERS (PAINT AND VARNISH), PRIMERS, BRONZE ENAMELS, STRUCTURAL PAINT, GRAPHITE PAINT (LIQUID), BARN PAINT, AUTO FINISH PAINT ENAMEL, BRUSHING LACQUERS, ENAMELS (PAINT), DISTEMPER COLORS (PAINT); WAX POLISH FOR FLOORS, FURNITURE, AND AUTOMOBILES; SIENNA PAINT PIGMENTS, OIL STAINS; STACK, BOILER, AND BREECHING PAINT; BITUMINOUS PAINT ENAMEL, OIL COLORS, JAPAN COLORS, SHOW-CARD COLORS, ACID-PROOF BATTERY PAINT, VARNISHES, TIRE PAINT, LEADS (BLUE), HEAT-PROOF PAINT ENAMELS, WHITE LEAD, PUTTY, KALSOMINE, STUCCO AND CEMENT COATER; GLASS FROSTING—NAMELY, CLEAR VARNISH CONTAINING A PAINT PIGMENT; AND WOOD DYES.
Claims use since June 1, 1912.

Reg. No. 240,975. Registered Nov. 27, 1928. RED SPOT PAINT & VARNISH CO., INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

EBOLITE

FOR READY-MIXED ASPHALT PAINT.
Claims use since Apr. 1, 1928.

Reg. No. 263,984. Registered Nov. 12, 1929. LIQUID VENEER CORPORATION, Buffalo, N. Y., a corporation of New York. Republished by registrant.

VASHINE

FOR CLEANING AND POLISHING LIQUID FOR USE UPON AUTOMOBILES, FURNITURE, AND ALL PAINTED, VARNISHED, AND LACQUERED SURFACES.
Claims use since May 1, 1929.

Reg. No. 307,542. Registered Oct. 31, 1933. LIQUID VENEER CORPORATION, Buffalo, N. Y., a corporation of New York. Republished by registrant.

SENSATION

FOR POLISH FOR AUTOMOBILES, PIANOS, FURNITURE, AND FOR OTHER ARTICLES OR OBJECTS HAVING SMOOTH SURFACES, ALSO FOR VARNISHED, LACQUERED, JAPANNED, OR ENAMELED SURFACES, AND FOR WINDOW AND OTHER GLASS.
Claims use since June 23, 1932.

Reg. No. 312,009. Registered Apr. 17, 1934. RED SPOT PAINT & VARNISH CO., INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

RED SPOT

FOR FLAT WALL PAINT, FOUR-HOUR ENAMEL, AUTOMOBILE ENAMEL, LIQUID MASK FOR REFINISHING AUTOMOBILES, PYROXYLIN PRIMER, OIL SURFACER, OIL PRIMER, AUTO FINISH, SPAR VARNISH, OIL COLORS, SHOW CARD COLORS, STREET MARKING PAINT, LIQUID BLACKBOARD SLATING, REFINED CREOSOTE PAINT, WALL SEALING PAINT, SASH PAINT, HOUSE PAINT, PASTE PAINT, PASTE WOOD FILLER, STORE FRONT AND TRIM PAINT, METALIZED WATER-PROOF COATING, BRONZE POWDER MIXING MEDIUM, BRONZE ENAMEL, CRACK AND CREVICE FILLER, FLOOR ENAMEL, PORCH PAINT, STOVE-PIPE ENAMEL, SCREEN ENAMEL, ACIDPROOF BATTERY PAINT; CARRIAGE, WAGON, AND TRUCK ENAMEL, ENAMEL FOR USE AS A FINISHING COAT, VARNISH STAIN, GALVANIZED IRON PRIMER, METAL PRIMER, LIQUID RED LEAD, STRUCTURAL PAINT, BARN PAINT, HEAT PROOF

ENAMEL, WHITE ENAMEL PAINT, ENAMEL UNDERCOATER, ENAMEL THINNER, GLAZING LIQUID, PAINT OIL, LACQUER THINNER, PAINT AND VARNISH REMOVER; PAINT AND VARNISH PRESERVATIVE FOR FLOORS, LINOLEUMS, AND SO FORTH; JAPAN COLORS, TINNER'S PAINT, BITUMINOUS ENAMEL, SHINGLE STAIN, ICE-CREAM TUB ENAMEL, COPPER BOTTOM PAINT, OAK INTERIOR TRIM AND DADO ENAMEL, PUTTY, FLOOR WAX, KNIFING PUTTY, COLORS FOR ARTISTS IN PASTE FORM, GASKET SHELLAC COMPOUND.
Claims use since June 1, 1912.

Reg. No. 323,072. Registered Apr. 2, 1935. RED SPOT PAINT & VARNISH CO., Evansville, Ind., a corporation of Indiana. Republished by registrant.

Linoquick

FOR VARNISH, ESPECIALLY ADAPTED FOR LINOLEUM, FLOORS, TABLE TOPS, DOORS, WOODWORK, AND OTHER SURFACES.
Claims use since June 11, 1934.

Reg. No. 323,079. Registered Apr. 2, 1935. NU-ENAMEL CORPORATION, Chicago, Ill. Republished by Nu-Enamel Corporation, Chicago, Ill., a corporation of Delaware.

NOVEMAIL

FOR AUTOMOBILE, FURNITURE, AND METAL ENAMELS AND VARNISHES.
Claims use since Nov. 30, 1934.

Reg. No. 354,086. Registered Feb. 1, 1938. PACIFIC DISTILLERS, INC., Culver City, Calif. Republished by Lac Chemicals, Inc., Culver City, Calif., a corporation of California.

PADISCOL

FOR SOLVENT USED FOR THINNING PURPOSES IN THE MANUFACTURE OF PAINT.
Claims use since Mar. 5, 1937.

Reg. No. 411,139. Registered Jan. 2, 1945. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

MINERASEAL

FOR BOWLING ALLEY FINISH IN THE NATURE OF A CLEANER AND POLISH.
Claims use since Nov. 24, 1943.

Reg. No. 420,603. Registered Apr. 23, 1946. JOHN MCQUADE & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

SAND-TEX

The word "Sand" is disclaimed apart from the mark as shown.
FOR PLASTIC PAINTS.
Claims use since July 1936.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 153,326. Registered Mar. 14, 1922. R. G. SULLIVAN ESTATE, Manchester, N. H. Republished by R. G. Sullivan Incorporated, Manchester, N. H., a corporation of Delaware.

For Every Case

FOR CIGARS.
Claims use since June 19, 1920.

Reg. No. 249,294. Registered Nov. 13, 1928. JOHN COTTON LIMITED, Edinburgh, Scotland, a corporation organized under the laws of Great Britain. Republished by registrant.

JOHN COTTON'S
Finest
SMOKING TOBACCO
No.
MANUFACTURED IN EDINBURGH, SCOTLAND

FOR SMOKING TOBACCO.
Claims use since Aug. 13, 1870.

Reg. No. 286,824. Registered Sept. 8, 1931. LOUIS B. GRABOSKY, Philadelphia, Pa. Republished by Grabosky Bros., Inc., Philadelphia, Pa., a corporation of Pennsylvania.

CO·ED

FOR CIGARS.
Claims use since Mar. 18, 1931.

Reg. No. 286,825. Registered Sept. 8, 1931. LOUIS B. GRABOSKY, Philadelphia, Pa. Republished by Grabosky Bros., Inc., Philadelphia, Pa., a corporation of Pennsylvania.

ROYALIST

FOR CIGARS.
Claims use since Mar. 18, 1931.

Reg. No. 414,588. Registered June 19, 1945. GRABOSKY BROS., INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by by registrant.

CO-ED

FOR CIGARS.
Claims use since Mar. 18, 1931.

CLASS 19

VEHICLES

Reg. No. 32,036. Registered Oct. 4, 1898. UNION PACIFIC RAILROAD COMPANY, Omaha, Nebr., a corporation of Utah. Republished by registrant.

UNION PACIFIC THE OVERLAND ROUTE

FOR RAILWAY FREIGHT AND PASSENGER CARS.
Claims use since 1889.

Reg. No. 140,527. Registered Mar. 15, 1921. RELIANCE TRAILER & TRUCK CO. INC., San Francisco, Calif., a corporation of California. Republished by registrant.

RELIANCE

FOR TRAILERS.
Claims use since Oct. 1, 1916.

Reg. No. 401,353. Registered May 11, 1943. GUARDIAN ELECTRIC MANUFACTURING CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

G

FOR CONTROL HANDLES FOR AIRCRAFT INCLUDING ELECTRICAL SWITCHES DIRECTLY CARRIED THEREBY, AND FOR CONTROL WHEELS FOR AIRCRAFT INCLUDING ELECTRICAL SWITCHES DIRECTLY CARRIED THEREON.
Claims use since at least as early as Dec. 30, 1940.

Reg. No. 405,300. Registered Jan. 18, 1944. HIGGINS INDUSTRIES, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

COMMANDO

FOR SURF LANDING MOTOR BOATS.
Claims use since Jan. 1, 1942.

Reg. No. 405,601. Registered Feb. 8, 1944. HIGGINS INDUSTRIES, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

RANGER

FOR SHALLOW DRAFT MOTOR BOATS.
Claims use since Jan. 1, 1942.

Reg. No. 420,027. Registered Mar. 19, 1946. HIGGINS INDUSTRIES, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

INVADER

FOR MOTOR BOATS.
Claims use since March 1945.

Reg. No. 438,384. Registered Apr. 20, 1948. JOHN N. GLADDEN, Glendale, Calif. Republished by registrant.

Mustang

FOR MOTORCYCLES.
Claims use since Aug. 9, 1945.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 277,908. Registered Dec. 2, 1930. SPRAGUE SPECIALTIES COMPANY, Quincy, Mass. Republished by Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts.

MIDGET

FOR ELECTRIC CONDENSERS.
Claims use since Dec. 9, 1926.

Reg. No. 349,228. Registered Aug. 24, 1937. GUARDIAN ELECTRIC MANUFACTURING CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

G

FOR ELECTRICAL CONTROL EQUIPMENT—NAMELY, PROTECTIVE AND SIGNALING DEVICES, SUCH AS BURGLAR AND FIRE ALARMS, AND ANNUNCIATOR, AND FARM LIGHTING CONTROL SYSTEMS—RELAYS OF ALL TYPES SUCH AS STEPPING, KEYING, BREAK-IN, CONTROL, AND MULTIPOLE—SWITCHES, SUCH AS AUTOMATIC, MECHANICAL, MANUAL, AND ELECTRICAL—FUSES, SOLENOIDS, AUTOMATIC ROTARY CONTACTORS, SPINNERS, AND ODD SELECTOR UNITS FOR PIN GAME MACHINES, TIME DELAY UNITS, PUSH BUTTONS, JACKS, STEPPING SWITCHES, ELECTROMAGNETS, CIRCUIT BREAKERS, FLASHERS, AND SOCKETS.
Claims use since Oct. 12, 1936.

Reg. No. 368,723. Registered June 27, 1939. NORTH AMERICAN ELECTRIC LAMP COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

DRITHERM

FOR ELECTRIC LAMPS.
Claims use since Feb. 1, 1939.

Reg. No. 378,302. Registered June 4, 1940. LANDON P. SMITH, INC., Irvington, N. J. Republished by Red Devil Tools, Irvington, N. J., a corporation of New Jersey.

Red Devil

FOR APPARATUS FOR CONTROLLING THE ELECTRIFICATION OF FENCES, AND PARTS THEREFOR.
Claims use since Oct. 1, 1939.

Reg. No. 400,523. Registered Mar. 16, 1943. GUARDIAN ELECTRIC MANUFACTURING CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

G

FOR SOLENOID CONTACTORS, RADIO RELAYS, ELECTRIC CIRCUIT ADAPTER PLUGS, ELECTRIC SOCKETS FOR MICROPHONES AND CAMERAS; ELECTRICAL CIRCUIT BOMB BOX ADAPTERS; CONTROL STICK SWITCH FOR REMOTE CONTROL OF AIRCRAFT ELECTRICAL CONTROLS; ELECTRIC CONTROLS FOR GUN TURRETS; ELECTRIC MECHANISMS FOR BOMB DROPPING, AND ELECTRIC MECHANISMS FOR REMOTE GUN FIRING.
Claims use since at least as early Nov. 30, 1940.

Reg. No. 401,353. Registered May 11, 1943. GUARDIAN ELECTRIC MANUFACTURING CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

G

FOR CONTROL HANDLES FOR AIRCRAFT INCLUDING ELECTRICAL SWITCHES DIRECTLY CARRIED THEREBY, AND FOR CONTROL WHEELS FOR AIRCRAFT INCLUDING ELECTRICAL SWITCHES DIRECTLY CARRIED THEREON.
Claims use since at least as early as Dec. 30, 1940.

Reg. No. 402,614. Registered Aug. 3, 1943. SPRAGUE SPECIALTIES COMPANY, North Adams, Mass. Republished by Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts.

VITAMIN Q

FOR ELECTRICAL CONDENSERS.
Claims use since June 13, 1942.

Reg. No. 404,943. Registered Dec. 28, 1943. SPRAGUE SPECIALTIES COMPANY, North Adams, Mass. Republished by Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts.

CERON

FOR ELECTRICAL CONDUCTORS.
Claims use since Aug. 9, 1943.

Reg. No. 405,510. Registered Feb. 1, 1944. SPRAGUE SPECIALTIES COMPANY, North Adams, Mass. Republished by Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts.

PROKAR

FOR ELECTRICAL CONDENSERS.
Claims use since Aug. 5, 1943.

Reg. No. 420,203. Registered Apr. 2, 1946. SPRAGUE ELECTRIC COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

CEROC

FOR ELECTRICAL INSULATION COMPOSED OF CERAMIC PARTICLES.
Claims use since Aug. 9, 1943.

Reg. No. 436,635. Registered Feb. 17, 1948. NATHANIEL B. BIBOR, Sherman, Tex. Republished by registrant.

SLUMBERSWITCH

FOR ELECTRICAL SWITCHES.
Claims use since June 21, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 217,440. Registered Aug. 31, 1926. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass., a corporation of Maine. Republished by registrant.



FOR FISHING LINES.
Claims use since Aug. 1, 1923.

Reg. No. 261,849. Registered Sept. 24, 1929. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill., a corporation of Delaware. Republished by registrant, present address Chicago, Ill.

IVORYLENE

FOR BILLIARD BALLS.
Claims use since Feb. 1, 1916.

Reg. No. 286,966. Registered Sept. 8, 1931. ALL METAL PRODUCTS COMPANY, Wyandotte, Mich., a corporation of Delaware. Republished by registrant.

"WYANDOTTE TOYS"

No claim is made to the word "Toys" except in the association shown on the drawing.
FOR POP GUNS, AIR RIFLES, TOY AIRPLANES, TOY TRUCKS, AND TOY AUTOMOBILES.
Claims use since December 1929.

Reg. No. 296,835. Registered Aug. 23, 1932. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill., a corporation of Delaware. Republished by registrant, present address Chicago, Ill.

DIAMOND

FOR BILLIARD CUE TIPS.
Claims use since Jan. 1, 1924.

Reg. No. 421,828. Registered June 18, 1946. THE PAUL BUNYAN BAIT COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

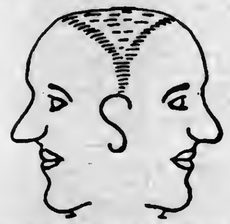
FLASH-EYE

The word "Flash" is disclaimed apart from the mark as shown.
FOR FISHING SPOONS.
Claims use since April 1939.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 227,072. Registered Apr. 26, 1927. EDWARD ELWELL LTD., Wednesbury, England, a British Company. Republished by registrant.



FOR METAL SHOVELS, PICKS, HOES, AXES, ADZES, HATCHETS, CHISELS, DRAWING KNIVES, MEAT CHOPPERS, CLEAVERS, SUGAR-CANE BILLS AND HOOKS, HAMMERS, PICK AXES, CROW AND OTHER BARS, SPADES, RAKES, TROWELS, AND FORKS, AND SHIP SCRAPERS, SERPETTES, CUTLASSES, AND SICKLES.
Claims use since July 29, 1910.

Reg. No. 234,938. Registered Nov. 8, 1927. PACIFIC MARINE SUPPLY COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

THE PACIFIC PUMPER

The words "The" and "Pumper" are disclaimed apart from the mark as shown.
FOR FOREST-FIRE PUMPS.
Claims use since about Jan. 1, 1925.

Reg. No. 264,337. Registered Nov. 26, 1929. ELLICOTT MACHINE CORPORATION, Baltimore, Md., a corporation of Maryland. Republished by registrant.



The representation of a dredge per se is disclaimed apart from the mark as shown.
FOR DREDGING PUMPS AND DREDGING MACHINERY COMPRISING HYDRAULIC DREDGES, ELEVATOR-TYPE SAND AND GRAVEL DREDGES, GRAPPLE DREDGES, DIPPER DREDGES, DREDGING PUMPS, AGITATING LADDERS FOR DREDGES, HAULING AND HOISTING MACHINERY FOR DREDGES, RELAY PUMPS FOR DREDGES, AND PUMPING MACHINERY FOR DREDGES.
Claims use since Apr. 12, 1929.

Reg. No. 329,598. Registered Nov. 5, 1935. SPECIAL EQUIPMENT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant, present address Park Ridge, Ill.

SPECO

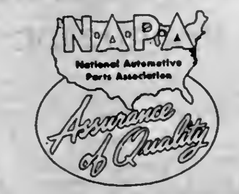
FOR CONVEYORS AND DRIERS FOR PROCESSING LEATHER, TANNERS, PASTING PLATES, TANNERS TOGGLING UNITS, AND SUPPORTS FOR SUPPORTING MOUNTED PIECES OF LEATHER ON A CONVEYOR.
Claims use since Mar. 1, 1933.

Reg. No. 362,712. Registered Nov. 29, 1938. THE CUSHMAN MOTOR WORKS, Lincoln, Nebr. Republished by Cushman Motor Works, Inc., Lincoln, Nebr., a corporation of Nebraska.



All wording appearing on the drawing, except "Cubs" and the corporate name, is disclaimed apart from the mark as shown.
FOR INTERNAL COMBUSTION ENGINES AND STRUCTURAL PARTS THEREOF.
Claims use since Nov. 12, 1927.

Reg. No. 389,980. Registered Sept. 2, 1941. NATIONAL AUTOMOTIVE PARTS ASSOCIATION, Detroit, Mich., a corporation of Michigan. Republished by registrant.



The words "Assurance of Quality" and the representation of the outline map of the United States are disclaimed apart from the mark as shown.
FOR AUTOMOTIVE GEARS INCLUDING DRIVE GEARS AND PINIONS, FLYWHEEL GEARS, TRANSMISSION GEARS, METAL AND NON-METAL TIMING GEARS, OIL PUMP AND IGNITER GEARS, GEAR ADJUSTMENT SHIMS, AUTOMOTIVE AXLE SHAFTS, AUTOMOTIVE TRANSMISSIONS INCLUDING TRANSMISSION SHAFTS AND TRANSMISSION PARTS, UNIVERSAL JOINTS INCLUDING UNIVERSAL JOINT DISCS, AUTOMOTIVE CLUTCHES INCLUDING CLUTCH PLATES, PRESSURE PLATES, CLUTCH FORKS, CLUTCH PARTS, BOLTS AND BUSHINGS, AND CLUTCH REBUILDING MACHINES, AUTOMOTIVE PUMPS INCLUDING OIL PUMPS, FUEL PUMPS, VACUUM PUMPS, WATER PUMPS, PUMP PARTS AND PUMP DISCS, AUTOMOTIVE VALVES INCLUDING VALVE GUIDES, VALVE SPRINGS, VALVE STEM KEYS AND WASHERS, VALVE SEAT INSERTS, AUTOMOTIVE TIMING CHAINS, AUTOMOTIVE MUFFLERS INCLUDING EXHAUST AND TAIL PIPES, AUTOMOTIVE BEARINGS INCLUDING ROLLER BEARINGS, MOTOR BEARINGS, ANNULAR BALL BEARINGS SINGLE AND DOUBLE ROW, ANGULAR CONTACT AND SELF-ALIGNING BEARINGS, FRONT WHEEL BEARINGS, CLUTCH THROW-OUT BEARINGS, MAGNETO BEARINGS, AIRCRAFT BEARINGS, AUTOMOTIVE DIFFERENTIAL CASES AND PARTS, AUTOMOTIVE BUSHINGS INCLUDING PISTON PIN AND BOSS BUSHINGS, CYLINDER SLEEVES, AUTOMOTIVE PISTONS INCLUDING PISTON PINS, PIN LOCKS, AUTOMOTIVE VACUUM FANS; WRENCHES INCLUDING SOCKET, OPEN END, BOX END WRENCHES, SOCKET WRENCH END ATTACHMENTS, EXTENSION HANDLES FOR WRENCHES AND RATCHET HANDLES FOR WRENCHES, SCREW DRIVERS, HAMMERS, PLIERS, CHISELS, AND PUNCHES.
Claims use since about Apr. 1, 1940.

Reg. No. 438,776. Registered May 11, 1948. PRACTICAL PRODUCTS COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

Carb-u-tator

The prefix "Carb" is disclaimed apart from the mark as shown.
FOR APPARATUS FOR WASHING MECHANICAL PARTS CONSISTING OF A CABINET CONTAINING THE PARTS TO BE WASHED AND A SOLVENT WHICH IS AGITATED BY MEANS OF COMPRESSED AIR FLOWING THERETHROUGH.
Claim use since Apr. 22, 1943.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 372,939. Registered Nov. 21, 1939. ALEXANDER KONO, doing business as The Kono Manufacturing Company, New York, N. Y. Republished by The Kono Manufacturing Company, Woodside, N. Y., a firm.

KONOPTIC

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR, INCLUDING NOSEPIECES, TEMPLES, AND THE LIKE, OF METAL, SHELL, AND VARIOUS PLASTIC COMPOSITIONS.
Claims use since Feb. 1, 1938.

Reg. No. 400,185. Registered Sept. 19, 1944. THE KONO MANUFACTURING COMPANY, Woodside, N. Y., a firm. Republished by registrant.

THE CLIPPER

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR.
Claims use since Apr. 25, 1944.

Reg. No. 411,523. Registered Jan. 23, 1945. ALEXANDER KONO, doing business as Kono Manufacturing Company, Woodside, Long Island, N. Y., assignor to The Kono Manufacturing Company. Republished by The Kono Manufacturing Company, Woodside, N. Y., a firm.

ACE

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR—NAMELY, NOSEPIECES AND TEMPLES, MADE OF METAL, SHELL, AND VARIOUS PLASTIC COMPOSITIONS.
Claims use since Oct. 1, 1941.

Reg. No. 414,325. Registered June 5, 1945. THE KONO MANUFACTURING COMPANY, Woodside, N. Y., a firm. Republished by registrant.

HUSSY

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR.
Claims use since Dec. 5, 1944.

Reg. No. 416,919. Registered Oct. 2, 1945. THE KONO MANUFACTURING COMPANY, Woodside, Long Island, N. Y., a firm. Republished by registrant, present address, Woodside, N. Y.

"SUN DODGER"

The word "Sun" is disclaimed apart from the mark as shown.
FOR SUN GLASSES AND PARTS THEREFOR.
Claims use since Apr. 24, 1945.

Reg. No. 428,186. Registered Mar. 11, 1947. THE KONO MANUFACTURING COMPANY, Woodside, N. Y., a firm. Republished by registrant.

PACEMAKER

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR.
Claims use since Apr. 15, 1946.

Reg. No. 428,529. Registered Mar. 25, 1947. THE KONO MANUFACTURING COMPANY, Woodside, N. Y., a firm. Republished by registrant.

MIDWAY

FOR EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR.
Claims use since Apr. 15, 1946.

Reg. No. 435,854. Registered Jan. 13, 1948. POLLAK MANUFACTURING COMPANY, Arlington, N. J., assignor to Arma Corporation, Brooklyn, N. Y., a corporation of New York. Republished by Arma Corporation, Brooklyn, N. Y., a corporation of New York.

LIMITRON

FOR ELECTRONIC LIMIT COMPARATOR GAUGE, FOR USE IN PRODUCTION AND INSPECTION.
Claims use since May 13, 1946.

Reg. No. 437,989. Registered Apr. 6, 1948. WINFRED S. KAUMEIER, doing business as Krueger Sentry Gauge Co., Green Bay, Wis. Republished by Krueger Sentry Gauge Company, Inc., Green Bay, Wis., a corporation of Wisconsin.

AT-A-GLANCE

FOR LIQUID LEVEL GAUGES.
Claims use since on or about Sept. 23, 1937.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 187,774. Registered Aug. 12, 1924. OLSEN & EBANN, Chicago, Ill. Republished by Olsen and Ebann Jewelry Co., Chicago, Ill., a corporation of Illinois.

Olsen & Ebann

FOR OPEN-FACE AND HUNTING-CASE WRIST WATCHES AND POCKET WATCHES.
Claims use since June 1913.

Reg. No. 243,854. Registered July 3, 1928. WILLIAM L. GILBERT CLOCK COMPANY, Winsted, Conn. Republished by The William L. Gilbert Clock Corporation, Winsted, Conn., a corporation of Connecticut.

SILVER KING

FOR CLOCKS.
Claims use since Dec. 28, 1927.

Reg. No. 246,726. Registered Sept. 11, 1928. WILLIAM L. GILBERT CLOCK COMPANY, Winsted, Conn. Republished by The William L. Gilbert Clock Corporation, Winsted, Conn., a corporation of Connecticut.

BROADSIDE

FOR CLOCKS.
Claims use since Apr. 12, 1928.

Reg. No. 398,241. Registered Oct. 20, 1942. KATE DEDO COMPANY, Kansas City, Mo., a corporation of Delaware. Republished by registrant.

NIGHTHAWK

FOR ALARM CLOCKS.
Claims use since on or about Jan. 1, 1939.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 49,860. Registered Feb. 20, 1906. IRONS & RUSSELL, Providence, R. I. Republished by Irons & Russell Company, Providence, R. I., a corporation of Rhode Island.

R

FOR GOLD PLATED BADGES.
Claims use since 1890.

Reg. No. 53,328. Registered Mar. 13, 1906. IRONS & RUSSELL, Providence, R. I. Republished by Irons & Russell Company, Providence, R. I., a corporation of Rhode Island.

FOR SOLID GOLD BADGES.
Claims use since 1890.

Reg. No. 362,290. Registered Nov. 15, 1938. IRONS & RUSSELL COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES.
Claims use since 1870.

Reg. No. 378,425. Registered June 11, 1940. COHN & ROSENBERGER, INC., New York, N. Y. Republished by Coro, Inc., New York, N. Y., a corporation of New York.

"AS YOU LIKE IT"

FOR NECKLACES AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME; BEADS, PINS, HAT ORNAMENTS, CLASPS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, CIGARETTE CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since May 1939.

Reg. No. 407,969. Registered July 11, 1944. CORO, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Chorobreds

FOR NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, FANCY CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since June 1942.

Reg. No. 426,993. Registered Apr. 15, 1947. CORO, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Coro CRAFT

FOR NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, AND JEWELRY INITIALS.
Claims use since March 1938.

Reg. No. 432,280. Registered Aug. 26, 1947. A. C. BECKEN CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Sea-Island

FOR PEARLS, BOTH CULTURED AND SIMULATED OR ARTIFICIAL.
Claims use since on or about Oct. 23, 1946.

Reg. No. 437,795. Registered Mar. 30, 1948. SPEIDEL CORPORATION, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

MING TAI

FOR BRACELETS (NOT INCLUDING WATCHES).
Claims use since Apr. 4, 1947.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 336,144. Registered June 30, 1936. CHITTENDEN & EASTMAN COMPANY, Burlington, Iowa, a corporation of Iowa. Republished by registrant.

PERMALUX

FOR UPHOLSTERED FURNITURE—NAMELY, DAVENPORTS, SOFAS, AND CHAIRS, AND BOX SPRINGS.
Claims use since Jan. 2, 1936.

Reg. No. 361,327. Registered Oct. 11, 1938. CHITTENDEN & EASTMAN COMPANY, Burlington, Iowa, a corporation of Iowa. Republished by registrant.

TRANQUILT

FOR MATTRESSES AND BOX SPRINGS.
Claims use since Apr. 11, 1938.

Reg. No. 367,838. Registered May 30, 1939. NACHMAN SPRING-FILLED CORPORATION, Chicago, Ill. Republished by Nachman Corporation, Chicago, Ill., a corporation of Illinois.

Body-Balance

FOR SPRING ASSEMBLIES FOR UPHOLSTERY AND UPHOLSTERY UNITS EQUIPPED WITH SPRING ASSEMBLIES, SUCH AS MATTRESSES AND CUSHIONS.
Claims use since Dec. 1, 1938.

Reg. No. 378,164. Registered May 28, 1940. NACHMAN SPRING-FILLED CORPORATION, Chicago, Ill. Republished by Nachman Corporation, Chicago, Ill., a corporation of Illinois.

ZIGGER

FOR SPRING UNITS FOR ALL SPRING EQUIPPED FURNITURE AND UPHOLSTERY.
Claims use since July 14, 1938.

Reg. No. 409,785. Registered Oct. 24, 1944. NACHMAN SPRING-FILLED CORPORATION, Chicago, Ill., now by change of name Nachman Corporation. Republished by Nachman Corporation, Chicago, Ill., a corporation of Illinois.

CURVIFLEX

FOR SPRING UNITS AND SUPPORTS FOR SEAT CUSHIONS OF SEATING FURNITURE AND FOR UPHOLSTERED FURNITURE.
Claims use since Dec. 4, 1942.

Reg. No. 434,008. Registered Nov. 4, 1947. DAVIS MILLWORK COMPANY, Forty Fort, Pa., a firm. Republished by registrant.



FOR KITCHEN CABINETS.
Claims use since Jan. 1, 1945.

CLASS 33

GLASSWARE

Reg. No. 244,656. Registered July 24, 1928. PITTSBURGH SAFETY GLASS COMPANY, Pittsburgh, Pa. Republished by Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania.



The rectangular border and the two rectangles inside the border are lined for brown.
FOR LAMINATED SHEET GLASS.
Claims use since Feb. 24, 1928.

Reg. No. 247,212. Registered Sept. 25, 1928. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.



The words "Vista Plate" and the numeral "⅛" and the two parallel lines below the hands and the outline of the angularly positioned plate are in blue. The wording other than the word "Vista" and the representation of the sheet of glass are disclaimed apart from the mark shown.
FOR PLATE GLASS.
Claims use since May 5, 1928.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 251,932. Registered Jan. 22, 1929. HOME INCINERATOR COMPANY, Milwaukee, Wis. Republished By McNaulin, Inc., Milwaukee, Wis., a corporation of Wisconsin.

·INCINOR·
THE HOME INCINERATOR
Good Riddance
GARBAGE..RUBBISH TRASH

No claim is made to the words "The Home Incinerator," "Good Riddance," "Garbage," "Rubbish," "Trash," apart from the mark as shown.
FOR DOMESTIC GARBAGE AND REFUSE INCINERATORS.
Claims use since July 21, 1928.

Reg. No. 253,306. Registered Feb. 26, 1929. HOME INCINERATOR COMPANY, Milwaukee, Wis. Republished By McNaulin, Inc., Milwaukee, Wis., a corporation of Wisconsin.

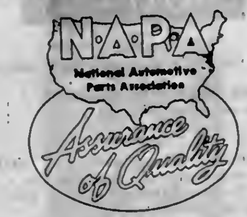


The words "Burn It With Gas" and "The Decent Way" are disclaimed apart from the mark as shown.
FOR DOMESTIC GARBAGE AND REFUSE INCINERATORS.
Claims use since July 21, 1928.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 390,101. Registered Sept. 9, 1941. NATIONAL AUTOMOTIVE PARTS ASSOCIATION, Detroit, Mich., a corporation of Michigan. Republished by registrant.



The name "National Automotive Parts Association" and the words "Assurance of Quality" are disclaimed apart from the mark as shown.
FOR BRAKE LINING, CLUTCH FACING, PUMP PACKING, FAN BELTS, RUBBER HOSE, CONNECTIONS, AND RUBBER AND FABRIC HOSE CONNECTIONS.
Claims use since about Apr. 1, 1940.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 243,852. Registered July 3, 1928. WILLIAM L. LANGE, New York, N. Y. Republished by The Fred. Gretsch Manufacturing Co., Brooklyn, N. Y., a corporation of New York.



The drawing is lined to indicate blue color.
FOR BANJOS, BANJO UKULELES, BANJO MANDOLINS, MANDOLINS, GUITARS, UKULELES, VIOLINS, VIOLAS, VIOLINCELLOS, DOUBLE BASSES, BANJO HARPS AND STRINGS, TAILPIECES, KEYS AND BRIDGES THEREFOR.
Claims use since May 6, 1926.

CLASS 37

PAPER AND STATIONERY

Reg. No. 70,678. Registered Sept. 22, 1908. STYLES & CASH, New York, N. Y. Republished by Chas. S. Hook, Union City, Ind.

BLACK PRINCE

FOR LEAD-PENCILS.
Claims use since Jan. 2, 1907.

Reg. No. 80,954. Registered Feb. 14, 1911. GEORGE ROWNEY & Co., London, England. Republished by George Rowney & Company Limited, London, England, a corporation of Great Britain.



FOR TRACING PAPER, TRACING-CLOTH, LEAD PENCILS, CRAYONS, MILLBOARDS.
Claims use since Oct. 7, 1905.

Reg. No. 223,819. Registered Feb. 1, 1927. D. & S. TABLET COMPANY, Atlanta, Ga. Republished by Write Right Manufacturing Company, Atlanta, Ga., a corporation of Georgia.

WriteRight

FOR WRITING TABLETS, NOTEBOOKS, COMPOSITION BOOKS, TYPEWRITER PADS, TYPEWRITER PAPER, AND LOOSE CORRESPONDENCE SHEETS IN CARTONS.
Claims use since January 1925.

Reg. No. 246,866. Registered Sept. 18, 1928. GAW-O'HARA ENVELOPE CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

P. D. Q.

FOR ENVELOPES, LETTERHEADS, BILLHEADS, BLANK BOOKS, BLOTTERS, FOLDERS, AND PORTFOLIOS.
Claims use since Jan. 1, 1914.

Reg. No. 310,733. Registered Mar. 6, 1934. RUSHMORE PAPER MILLS INC., Windsor Locks, Conn., and New York, N. Y., a corporation of New York. Republished by registrant, present address Gouverneur, N. Y.

Blue Ribbon

FOR PAPER, PARTICULARLY WAXED PAPER.
Claims use since July 1912.

Reg. No. 436,611. Registered Feb. 17, 1948. WRITE RIGHT MANUFACTURING COMPANY, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

WriteRight

FOR LOOSE-LEAF FILLER PAPER, ENVELOPES; PAPER STATIONERY—NAMELY, WRITING PAPER AND TYPEWRITING PAPER, ADDING MACHINE PAPER, AND RING BINDERS.
Claims use since January 1925.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 105,615. Registered Aug. 10, 1916. STAR COMPANY, New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

Bringing Up Father

FOR NEWSPAPER SECTION.
Claims use since Jan. 2, 1913.

Reg. No. 124,102. Registered Jan. 14, 1919. INTERNATIONAL MAGAZINE COMPANY, New York, N. Y. Republished by Hearst Magazines Inc., New York, N. Y., a corporation of Delaware.

SCIENTIFIC MECHANICS AIR BOATING MOTOR BOATING

FOR MAGAZINE OR PERIODICAL PUBLISHED MONTHLY.
Claims use since May 27, 1918.

Reg. No. 140,220. Registered Mar. 8, 1921. STAR COMPANY, New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

BARNEY GOOGLE

FOR SERIES OF CARTOONS OR COMIC STRIPS.
Claims use since Oct. 27, 1919.

Reg. No. 142,269. Registered May 10, 1921. GLASS INDUSTRY PUBLISHING CO., INC., New York, N. Y. Republished by Ogden Publishing Company, New York, N. Y., a partnership.

The Glass Industry

FOR PUBLICATION ISSUED MONTHLY.
Claims use since Nov. 1, 1920.

Reg. No. 177,307. Registered Dec. 18, 1928. ALFRED A. KNOPF, INC., New York, N. Y., a corporation of New York. Republished by registrant.



The word "Books" is disclaimed apart from the mark as shown
FOR COMPLETELY PRINTED BOOKS.
Claims use since September 1915.

Reg. No. 190,650. Registered Oct. 21, 1924. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

LISTEN, WORLD!

FOR NEWSPAPER SECTION.
Claims use since Dec. 17, 1923.

Reg. No. 192,660. Registered Dec. 16, 1924. INTERNATIONAL MAGAZINE COMPANY, INC., New York, N. Y. Republished by Hearst Magazines Inc., New York, N. Y., a corporation of Delaware.

MOTOR
THE AUTOMOTIVE BUSINESS PAPER

The words "The Antomotive Business Paper" are disclaimed apart from the mark as shown.
FOR MAGAZINE OR PERIODICAL PUBLISHED MONTHLY.
Claims use since July 1, 1924.

Reg. No. 241,416. Registered Apr. 24, 1928. AMERICAN EDUCATION PRESS, INC., Columbus, Ohio, a corporation of Delaware. Republished by registrant.

CURRENT EVENTS

FOR WEEKLY PUBLICATION.
Claims use since June 1, 1902.

Reg. No. 254,284. Registered Mar. 19, 1929. AMERICAN EDUCATION PRESS, INC., Columbus, Ohio. Republished by The Educational Printing House, Inc., Columbus, Ohio, a corporation of Ohio.

MY WEEKLY READER

FOR WEEKLY PUBLICATION.
Claims use since Sept. 1, 1928.

Reg. No. 257,313. Registered June 4, 1929. SUNSET MAGAZINE, INC., San Francisco, Calif. Republished by Lane Publishing Co., San Francisco, Calif., a corporation of Nevada.

The Pacific Monthly

FOR MAGAZINE ISSUED MONTHLY.
Claims use since 1900.

Reg. No. 287,080. Registered Sept. 15, 1931. BARKER, MOORE AND MEIN CO., Philadelphia, Pa. Republished by Barker, Moore & Mein Co., Philadelphia, Pa., a corporation of Pennsylvania.



The words "Illustrated Almanac Farm Guide and Household Cooking Recipes" and "Philadelphia, Pa." are disclaimed apart from the mark as shown.
FOR PERIODICAL PUBLICATION.
Claims use since January 1884.

Reg. No. 292,241. Registered Mar. 8, 1932. OGDEN-WATNEY PUBLISHERS, INC., New York, N. Y. Republished by Ogden Publishing Company, New York, N. Y., a partnership.

The Glass Packer

FOR MONTHLY PUBLICATION.
Claims use since October 1928.

Reg. No. 299,331. Registered Nov. 29, 1932. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

ARCH of EVENTS

FOR NEWSPAPER SECTION.
Claims use since 1912.

Reg. No. 301,867. Registered Mar. 21, 1933. INTERNATIONAL NEWS SERVICE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

INS

FOR PRINTED NEWS MESSAGES, PRINTED NEWS DISPATCHES.
Claims use since June 1, 1915.

Reg. No. 322,055. Registered Feb. 26, 1935. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

RADIO PATROL

FOR NEWSPAPER CARTOON.
Claims use since Apr. 16, 1934.

Reg. No. 322,941. Registered Mar. 26, 1935. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

International News Service.

FOR NEWSPAPER COLUMNS.
Claims use since Dec. 4, 1909.

Reg. No. 354,802. Registered Feb. 8, 1938. OGDEN-WATNEY PUBLISHERS, INC., New York, N. Y. Republished by Ogden Publishing Company, New York, N. Y., a partnership.

The NEW in the News

FOR SECTION IN A MONTHLY PERIODICAL.
Claims use since January 1937.

Reg. No. 354,303. Registered Feb. 8, 1938. OGDEN-WATNEY PUBLISHERS, INC., New York, N. Y. Republished by Ogden Publishing Company, New York, N. Y., a partnership.

TIMELY TECHNICALITIES

FOR SECTION IN A MONTHLY PERIODICAL.
Claims use since January 1936.

Reg. No. 382,073. Registered Oct. 15, 1940. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

CUTIES

FOR NEWSPAPER CARTOON.
Claims use since May 6, 1940.

Reg. No. 390,645. Registered Sept. 30, 1941. FAWCETT PUBLICATIONS, INC., Greenwich, Conn., a corporation of Delaware. Republished by registrant.

WHIZ COMICS

The word "Comics" is disclaimed apart from the mark as shown.
FOR MONTHLY PERIODICAL.
Claims use since Dec. 8, 1939.

CLASS 39

CLOTHING

Reg. No. 51,125. Registered Apr. 3, 1906. DUNLAP & CO., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

EXTRA QUALITY

FOR HATS AND CAPS OF ALL KINDS.
Claims use since 1861.

Reg. No. 72,276. Registered Jan. 12, 1909. JULIUS GARFINKEL, Washington, D. C., New York, N. Y., and Paris, France. Republished by Julius Garfinckel & Co., Incorporated, Washington, D. C., a corporation of Virginia.

Gardo

FOR CORSETS AND CORSET-WAISTS.
Claims use since Aug. 1, 1908.

Reg. No. 108,953. Registered Mar. 7, 1916. THE SCHOLL MANUFACTURING COMPANY, Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

FOR STOCKINGS.
Claims use since Sept. 15, 1915.

Reg. No. 125,458. Registered May 20, 1919. KNOX HAT COMPANY, INC., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

COMFIT

FOR HATS FOR MEN.
Claims use since Aug. 7, 1918.

Reg. No. 129,125. Registered Jan. 27, 1920. BLUBUCK MANUFACTURING CO., Hopkinsville, Ky. Republished by Elk Brand Shirt and Overall Company, Hopkinsville, Ky., a corporation of Kentucky.

ELK

FOR OVERALLS AND WORK SHIRTS.
Claims use since Jan. 15, 1909.

Reg. No. 130,314. Registered Apr. 20, 1920. HEWES & POTTER, Boston, Mass. Republished by Globe Novelty House, Inc., New York, N. Y., a corporation of New York.

LONDON

FOR GARTERS.
Claims use since November 1886.

Reg. No. 178,824. Registered Jan. 29, 1924. BARRON, ANDERSON CO., Boston, Mass. Republished by Barron, Anderson Company, Boston, Mass., a corporation of Massachusetts.

BAT-AROUND

FOR MEN'S SUITS AND OVERCOATS.
Claims use since Feb. 1, 1923.

Reg. No. 193,101. Registered Dec. 16, 1924. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Formoped

FOR HOSIERY.
Claims use since July 10, 1924.

Reg. No. 199,617. Registered June 16, 1925. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

PRACTIPEDIC

FOR SHOES, BOOTS, AND SLIPPERS MADE OF LEATHER IN COMBINATION WITH FABRIC AND ELASTIC, AND WITH RUBBER HEELS.
Claims use since January 1924.

Reg. No. 200,374. Registered June 30, 1925. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.



FOR SHOES, BOOTS, AND SLIPPERS MADE OF LEATHER AND LEATHER IN COMBINATION WITH FABRIC AND ELASTIC GORING AND WITH RUBBER HEELS.
Claims use since January 1914.

Reg. No. 248,693. Registered Oct. 30, 1928. STADIUM UNDERWEAR COMPANY, INC., Baltimore, Md. Republished by The Stadium Manufacturing Company, Incorporated, Baltimore, Md., a corporation of Maryland.

STADIUM

FOR ATHLETIC UNDERWEAR, NIGHT SHIRTS, AND PAJAMAS COMPOSED OF TEXTILE FABRIC, ALL FOR MALE AND FEMALE WEAR.
Claims use since about August 1915.

Reg. No. 251,527. Registered Jan. 8, 1929. NEUSTADTER BROTHERS, San Francisco, Calif. Republished by Eloesser-Heynemann Company, San Francisco, Calif., a corporation of California.



The drawing shows the center panel lined for blue and the border or outline lined for red.
FOR OVERALLS.
Claims use since Jan. 15, 1927.

Reg. No. 257,223. Registered June 4, 1929. ELIZABETH CITY HOSIERY CO., Elizabeth City, N. C. Republished by Robinson Manufacturing Company, Elizabeth City, N. C., a corporation of North Carolina.

Peach Bloom

FOR HOSIERY.
Claims use since Oct. 20, 1926.

Reg. No. 262,992. Registered Oct. 29, 1929. THE CROFUT & KNAPP CO., South Norwalk, Conn. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

"The New Yorker"

FOR FELT HATS FOR MEN.
Claims use since Jan. 1, 1927.

Reg. No. 264,755. Registered Dec. 3, 1929. ELK BRAND SHIRT AND OVERALL COMPANY, Hopkinsville, Ky., a corporation of Kentucky. Republished by registrant.

WILD WOOD

FOR DRESS SHIRTS FOR MEN AND BOYS.
Claims use since June 20, 1929.

Reg. No. 271,211. Registered May 27, 1930. KNOX HAT COMPANY, INC., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

KNOX

FOR HANDKERCHIEFS AND VEILS.
Claims use since 1910.

Reg. No. 271,245. Registered May 27, 1930. KNOX HAT COMPANY, INC., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

KNOX

FOR HANDKERCHIEFS AND VEILS.
Claims use since 1910.

Reg. No. 280,522. Registered Feb. 17, 1931. DOBBS & CO., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

Bagatelle

FOR HATS FOR WOMEN.
Claims use since Sept. 19, 1930.

Reg. No. 283,097. Registered May 19, 1931. BYRON HAT CORPORATION, New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

Croxley
SUPREME INDIVIDUALITY

The words "Supreme Individuality" are disclaimed apart from the mark as shown.
FOR HATS FOR MEN.
Claims use since Nov. 20, 1930.

Reg. No. 290,800. Registered Dec. 29, 1931. ZIMMERMAN APPAREL SHOP INC., Wilkes-Barre, Pa., a corporation of Pennsylvania. Republished by registrant.

Rose Art
MODES

The word "Modes" is disclaimed apart from the mark as shown.
FOR DRESSES, COATS, SUITS, RAINCOATS, HATS, HOSIERY, AND UNDERWEAR FOR WOMEN AND GIRLS.
Claims use since Aug. 15, 1929.

Reg. No. 295,496. Registered July 5, 1932. HONSHON-BERG, INCORPORATED, Norwalk, Conn., and New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

SCALLAWAG

FOR HATS FOR WOMEN.
Claims use since Feb. 10, 1932.

Reg. No. 299,048. Registered Nov. 22, 1932. STRUTWEAR KNITTING COMPANY, Minneapolis, Minn. Republished by Strutwear Incorporated, Minneapolis, Minn., a corporation of Minnesota.

Strutwear

FOR HOSIERY AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN.
Claims use since May 1, 1916.

Reg. No. 313,876. Registered June 12, 1934. PATTERSON MANUFACTURING COMPANY, Denison, Tex. Republished by Patterson Manufacturing Company, Miami, Okla., a corporation of Oklahoma.

PATCO

FOR OVERALLS, JUMPERS, PLAY SUITS, AND MEN'S AND CHILDREN'S COATS.
Claims use since on or about June 20, 1933.

Reg. No. 319,308. Registered Nov. 20, 1934. PATTERSON MANUFACTURING COMPANY, Denison, Tex. Republished by Patterson Manufacturing Company, Miami, Okla., a corporation of Oklahoma.

PROMOTER

FOR OVERALLS, JUMPERS, PANTS, PLAY SUITS, AND MEN'S AND BOYS' COATS.
Claims use since on or about June 20, 1933.

Reg. No. 327,831. Registered Sept. 3, 1935. HAT CORPORATION OF AMERICA, South Norwalk, Conn., a corporation of Delaware. Republished by registrant, present address, Norwalk, Conn.

GUILD

FOR FELT HATS FOR MEN.
Claims use since Oct. 19, 1927.

Reg. No. 334,163. Registered Apr. 21, 1936. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

COACH ROYALE

FOR HATS FOR MEN.
Claims use since Nov. 19, 1935.

Reg. No. 345,824. Registered May 11, 1937. THE COWARD SHOE, INC., New York, N. Y., a corporation of New York. Republished by registrant.

FLEXWEAR
SOLE

The word "Sole" is disclaimed apart from the mark as shown.
FOR LEATHER SHOES.
Claims use since Apr. 24, 1936.

Reg. No. 354,117. Registered Feb. 1, 1938. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

FIVE HUNDRED

FOR LADIES' HATS.
Claims use since about September 1932.

Reg. No. 356,260. Registered Apr. 19, 1938. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

Resorter

FOR HATS FOR WOMEN.
Claims use since December 1932.

Reg. No. 364,027. Registered Jan. 17, 1939. BONSETTE FOUNDATIONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Chica by *Bonzette*

FOR GIRDLES, CORSETS, BRASSIÈRES, AND COMBINATIONS THEREOF.
Claims use since June 21, 1938.

Reg. No. 367,180. Registered May 9, 1939. BOTANY WORSTED MILLS, Passaic, N. J. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.

BOTANAIRE

FOR NECKTIES.
Claims use since Nov. 15, 1938.

Reg. No. 367,848. Registered May 30, 1939. DAVID CRYSTAL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Linisette

FOR LADIES' AND MISSES' DRESSES.
Claims use since Dec. 16, 1938.

Reg. No. 371,268. Registered Sept. 19, 1939. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.



FOR HATS FOR MEN.
Claims use since Apr. 25, 1939.

Reg. No. 374,112. Registered Jan. 2, 1940. THE COWARD SHOE, INC., New York, N. Y., a corporation of New York. Republished by registrant.

COWARD
DEB-TREDS

The word "Treds" is disclaimed apart from the mark as shown.
FOR LEATHER SHOES.
Claims use since Mar. 26, 1939.

Reg. No. 378,764. Registered June 18, 1940. DAVID CRYSTAL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Madam Chairman

FOR LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES, CONSISTING OF DRESS AND COAT.
Claims use since October 1939.

Reg. No. 384,199. Registered Jan. 7, 1941. THE COWARD SHOE, INC., New York, N. Y., a corporation of New York. Republished by registrant.

*FLEX-maids

FOR LEATHER SHOES.
Claims use since Apr. 29, 1940.

Reg. No. 388,905. Registered July 15, 1941. DAVID CRYSTAL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SUNSPREE

FOR LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES CONSISTING OF A DRESS AND A COAT.
Claims use since November 1940.

Reg. No. 395,134. Registered May 12, 1942. DAVID CRYSTAL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

TROPICANA

FOR LADIES' AND MISSES' DRESSES, AND DRESS ENSEMBLES CONSISTING OF A DRESS AND COAT.
Claims use since Nov. 7, 1941.

Reg. No. 396,712. Registered July 28, 1942. DAVID CRYSTAL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

BOCA CHICA

FOR LADIES' AND MISSES' DRESSES, DRESS ENSEMBLES, CONSISTING OF DRESS AND COAT.
Claims use since January 1942.

Reg. No. 397,837. Registered Sept. 22, 1942. DAVID CRYSTAL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

MOCAMBA

FOR LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES CONSISTING OF A DRESS AND A COAT.
Claims use since January 1942.

Reg. No. 403,633. Registered Oct. 5, 1943. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.



FOR HATS FOR MEN.
Claims use since May 11, 1943.

Reg. No. 404,730. Registered Dec. 21, 1943. DAVID CRYSTAL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Crystal
Cotton

The word "Cotton" is disclaimed apart from the mark as shown.
FOR LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES, CONSISTING OF A DRESS AND COAT, SUITS, COATS, SLACKS, PLAYSUITS, BLOUSES, WORK SUITS.
Claims use since January 1942.

Reg. No. 411,011. Registered Jan. 2, 1945. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

FLIGHT

FOR HATS FOR WOMEN.
Claims use since about Jan. 1, 1924.

Reg. No. 410,240. Registered Sept. 4, 1945. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

"GUILD EDGE"

FOR HATS FOR MEN.
Claims use since Oct. 24, 1944.

Reg. No. 417,195. Registered Oct. 16, 1945. UNITED MILLS, Mount Gilead, N. C. Republished by United Mills Corporation, Mount Gilead, N. C., a corporation of North Carolina.

Realcraft

FOR SLIPS FOR WOMEN AND MISSES.
Claims use since Feb. 2, 1945.

Reg. No. 418,980. Registered Jan. 15, 1946. DAVID CRYSTAL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SHEERALINE

FOR LADIES' AND MISSES' DRESSES, COATS, DRESS AND JACKET ENSEMBLES, SUITS, BLOUSES, AND SKIRTS.
Claims use since September 1943.

Reg. No. 423,223. Registered Aug. 27, 1946. SIX LITTLE TAILORS CO., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

Six Little Tailors

The word "Tailors" is disclaimed apart from the mark as shown.
FOR MEN'S AND BOYS' SUITS, TOPCOATS, OVERCOATS, SPORTSCOATS, AND TROUSERS.
Claims use since Sept. 21, 1938.

Reg. No. 434,388. Registered Nov. 18, 1947. MRS. DAY'S IDEAL BABY SHOE COMPANY, INC., Danvers, Mass., a corporation of Massachusetts. Republished by registrant.

LAMBIE TUFFS

FOR HOUSE SLIPPERS FOR CHILDREN.
Claims use since Oct. 1, 1945.

Reg. No. 437,633. Registered Mar. 30, 1948. MRS. DAY'S IDEAL BABY SHOE COMPANY, INC., Danvers, Mass., a corporation of Massachusetts. Republished by registrant.



The pictorial representation of the shoe is disclaimed apart from the mark as shown.
FOR SHOES, SLIPPERS, BOOTS, AND MOCCASINS FOR CHILDREN.
Claims use since Mar. 1, 1903.

Reg. No. 437,655. Registered Mar. 30, 1948. NORTH AMERICAN KNITTING COMPANY, Mansfield, Ohio, a corporation of Ohio. Republished by registrant.

Fashion hill

The word "Fashion" is disclaimed apart from the mark as shown.
FOR MEN'S, WOMEN'S, AND BOYS' SWEATERS.
Claims use since on or about Dec. 10, 1946.

Reg. No. 438,475. Registered Apr. 20, 1948. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

Voyageur

FOR HATS FOR MEN AND HATS FOR WOMEN.
Claims use since July 20, 1925.

Reg. No. 438,610. Registered May 11, 1948. PHILCRAFT OVERCOAT COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

PHILCRAFT

FOR MEN'S AND WOMEN'S OVERCOATS.
Claims use since Jan. 1, 1939.

Reg. No. 438,911. Registered May 18, 1948. POWELL & CAMPBELL, INC., New York, N. Y., a corporation of New York. Republished by registrant.



The word "Toes" is disclaimed apart from the mark as shown.
FOR LEATHER SHOES FOR LADIES, MISSES, CHILDREN, AND INFANTS.
Claims use since Oct. 17, 1918.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Reg. No. 123,909. Registered Dec. 17, 1918. KNOX HAT COMPANY, INC., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

KNOX

FOR CANES, PARASOLS, AND UMBRELLAS.
Claims use since sometime between 1840 and 1850.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 71,441. Registered Nov. 24, 1908. H. W. BAKER LINEN CO., New York, N. Y., a corporation of New York. Republished by registrant.



The annular band of the drawing is printed in gold color.
FOR SHEETS AND PILLOW-CASES.
Claims use since July 1, 1905.

Reg. No. 184,880. Registered June 3, 1924. JOHN KING & SON, Glasgow, Scotland. Republished by John King & Son Limited, Glasgow, Scotland, a company organized under the laws of Great Britain.



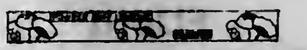
FOR WINDOW HOLLANDS, BEING COTTON PIECE GOODS.
Claims use since Dec. 31, 1860.

Reg. No. 199,639. Registered June 16, 1925. JOHN KING & SON, Glasgow, Scotland. Republished by John King & Son Limited, Glasgow, Scotland, a company organised under the laws of Great Britain.

JOHN KING & SON'S

FOR HOLLANDS, BEING COTTON PIECE GOODS.
Claims use since 1826.

Reg. No. 222,405. Registered Jan. 4, 1927. DUMARI TEXTILE CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.



The words "Lingerie" and "Fabrics" are disclaimed apart from the mark as shown.
FOR COTTON PIECE GOODS.
Claims use since Aug. 3, 1926.

Reg. No. 271,211. Registered May 27, 1930. KNOX HAT COMPANY, INC., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.



FOR HANDKERCHIEFS AND VEILS.
Claims use since 1910.

Reg. No. 271,245. Registered May 27, 1930. KNOX HAT COMPANY, INC., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

KNOX

FOR HANDKERCHIEFS AND VEILS.
Claims use since 1910.

Reg. No. 297,781. Registered Sept. 27, 1932. JACOB C. LAMM, doing business as Lamm Bros., Baltimore, Md. Republished by Lamm Bros. Inc., Baltimore, Md., a corporation of Maryland.

Flan-L-Tex

FOR SUITINGS OF LINEN AND COTTON MIXTURES, COTTON, WOOL, WOOL AND COTTON MIXTURES, COTTON AND SILK MIXTURES, USED IN THE MANUFACTURE OF MEN'S AND BOYS' SUITS AND KNICKERS AS DISTINGUISHED FROM SHIRTINGS.
Claims use since Jan. 1, 1930.

Reg. No. 307,963. Registered Nov. 14, 1933. ALFRED L. HELWITH & CO., INC., New York, N. Y. Republished by Alfred L. Helwith Inc., New York, N. Y., a corporation of New York.

Ripploray

FOR MEN'S COTTON SHIRTINGS IN THE PIECE, AND COTTON TEXTILE FABRICS.
Claims use since Feb. 10, 1933.

Reg. No. 386,862. Registered Apr. 22, 1941. BOTANY WORSTED MILLS, Passaic, N. J. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.

BOTATHEA

FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since Dec. 11, 1940.

Reg. No. 388,468. Registered June 24, 1941. DAVID CRYSTAL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

JUNIOR MRS.

FOR TEXTILE FABRICS IN THE PIECE OF SILK, RAYON, ACETATE, WOOLEN, COTTON, LINEN, SPUN RAYON, AND/OR COMBINATIONS THEREOF.
Claims use since November 1940.

Reg. No. 422,627. Registered Aug. 6, 1946. DAVID CRYSTAL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SHEERALINE

FOR RAYON PIECE GOODS.
Claims use since September 1943.

CLASS 43

THREAD AND YARN

Reg. No. 404,617. Registered Dec. 7, 1943. BOTANY WORSTED MILLS, Passaic, N. J. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.

GILGORA

FOR YARNS.
Claims use since July 14, 1938.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 111,976. Registered Aug. 15, 1916. THE SCHOLL MANUFACTURING COMPANY, Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.



FOR ARCH-SUPPORTS, BUNION-REDUCERS, TOE-STRAIGHTENERS, BUNION-SPRINGS, HAMMER-TOE SPRINGS, CORN AND BUNION PADS, ANKLE-SUPPORTERS, HEEL-CUSHIONS, HEEL-PADS, HEEL-LINERS.
Claims use since Sept. 29, 1915.

Reg. No. 116,369. Registered Apr. 24, 1917. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

KIROPEDIC

FOR ARCH-SUPPORTS.
Claims use since Jan. 2, 1917.

Reg. No. 116,370. Registered Apr. 24, 1917. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

PRACTIPEDIC

FOR ARCH SUPPORTS.
Claims use since Dec. 1, 1916.

Reg. No. 117,930. Registered Aug. 7, 1917. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Instreaker

FOR ARCH-SUPPORTS.
Claims use since April 1906.

Reg. No. 192,011. Registered Nov. 25, 1924. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Airlite

FOR ARCH SUPPORTS.
Claims use since early part of 1910.

Reg. No. 192,012. Registered Nov. 25, 1924. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.



No claim is made for the shoe and arch support apart from the mark as shown.
FOR ARCH SUPPORTS.
Claims use since 1909.

Reg. No. 192,266. Registered Dec. 2, 1924. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Walk-Strate

FOR HEEL SUPPORTS AND HEEL PADS.
Claims use since January 1917.

Reg. No. 192,520. Registered Dec. 9, 1924. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Korrecto

FOR FOOT CORRECTIVE APPLIANCES—TO WIT, ARCH SUPPORTS AND PARTS THEREOF, TOE SEPARATORS AND STRAIGHTENERS, HEEL SUPPORTS AND STRAIGHTENERS, ANKLE SUPPORTS, BUNION REDUCERS, BUNION SPRINGS, HAMMERTOE SPRINGS, CORN AND BUNION PADS.
Claims use since April 1906.

Reg. No. 192,521. Registered Dec. 9, 1924. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Foot-eazer

FOR FOOT CORRECTIVE APPLIANCES—TO WIT, ARCH SUPPORTS AND PARTS THEREOF, TOE SEPARATORS AND STRAIGHTENERS, HEEL SUPPORTS AND STRAIGHTENERS, ANKLE SUPPORTS AND STRAIGHTENERS, BUNION REDUCERS AND PROTECTORS, BUNION SPRINGS, HAMMERTOE SPRINGS, CORN AND BUNION PADS.
Claims use since April 1906.

Reg. No. 192,917. Registered Dec. 16, 1924. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Up-Lift

FOR ARCH SUPPORTS.
Claims use since 1907.

Reg. No. 197,623. Registered Apr. 21, 1925. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.



FOR FOOT CORRECTIVE APPLIANCES—TO WIT, ARCH SUPPORTS AND PARTS THEREOF, TOE SEPARATORS AND STRAIGHTENERS, HEEL SUPPORTS, CUSHIONS AND STRAIGHTENERS, ANKLE SUPPORTS, BUNION REDUCERS, BUNION SPRINGS, HAMMER TOE SPRINGS, CORN AND BUNION PADS.
Claims use since January 1910.

Reg. No. 244,108. Registered July 10, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Digito

FOR FOOT CORRECTIVE APPLIANCES—TO WIT, TOE SEPARATORS AND STRAIGHTENERS, BUNION REDUCERS AND PROTECTORS, AND BUNION SPRINGS.
Claims use since July 1, 1916.

Reg. No. 244,932. Registered July 31, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Absorbo

FOR PADS AND SHIELDS FOR CORNS, CALLOUSES, BUNIONS, AND OTHER FOOT TROUBLES.
Claims use since June 1, 1913.

Reg. No. 247,514. Registered Sept. 25, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Durolite

FOR ARCH SUPPORTS.
Claims use since Mar. 27, 1925.

Reg. No. 299,500. Registered Dec. 6, 1932. THE KILLIAN MANUFACTURING CO., Akron, Ohio. Republished by Walgreen Co., Chicago, Ill., a corporation of Illinois.

NAPOLEONS

FOR PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.
Claims use since Mar. 10, 1932.

Reg. No. 437,639. Registered Mar. 30, 1948. DON BAXTER, INC., Glendale, Calif., a corporation of Nevada. Republished by registrant.

VACOLITER

FOR CONTAINER DISPENSER FOR INTRAVENOUS SOLUTIONS, EQUIPMENT FOR CONDUCTING FLUIDS TO OR FROM A CONTAINER AND A PATIENT, AND TUBING FOR CONDUCTING FLUIDS TO OR FROM A CONTAINER AND A PATIENT.
Claims use since June 22, 1931.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 30,401. Registered July 20, 1897. THE OTTO KUEHNE PRESERVING CO., Topeka, Kans. Republished by Kuehne Brothers, Topeka, Kans., a firm.



FOR CATSUP, VINEGAR, PRESERVES, JELLIES, MINCE-MEAT, TABLE SAUCES, PICKLES, CHOW-CHOW, PEPPER-SAUCE, OLIVES, AND EXTRACTS.
Claims use since about July 1, 1890.

Reg. No. 73,852. Registered May 25, 1909. AMBROSIA CHOCOLATE COMPANY, Milwaukee, Wis. Republished by Ambrosia Chocolate Company, Milwaukee, Wis., a corporation of Wisconsin.

TIXIES

FOR CHOCOLATE CANDY.
Claims use since Oct. 1, 1908.

Reg. No. 88,399. Registered Sept. 17, 1912. THE CLEVELAND PROVISION CO., Cleveland, Ohio. Republished by Cleveland Provision Company, Cleveland, Ohio, a corporation of Ohio.



FOR LARD.
Claims use since 1876.

Reg. No. 97,196. Registered May 26, 1914. ACME MILLING CO., Oklahoma City, Okla. Republished by The Acme Flour Mills Co., Oklahoma City, Okla., a corporation of Kansas.

Classy

FOR WHEAT FLOUR.
Claims use since Oct. 23, 1913.

Reg. No. 101,116. Registered Nov. 17, 1914. ACME MILLING CO., Oklahoma City, Okla. Republished by The Acme Floor Mills Co., Oklahoma City, Okla., a corporation of Kansas.

GOLD DRIFT

FOR WHEAT FLOUR.
Claims use since May 22, 1912.

Reg. No. 113,777. Registered Oct. 31, 1916. JOHN MORRELL & CO., Ottumwa, Iowa, a corporation of Maine. Republished by registrant.

PALACE

FOR MEAT PRODUCTS—NAMELY, CORNED PORK, CORNED BEEF, COOKED SHOULDER, COOKED HAM, LUNCHEON-MEAT, LUNCH-TONGUE, AND ROAST PORK LOIN.
Claims use since June 5, 1915.

Reg. No. 114,433. Registered Dec. 19, 1916. CHASE & COMPANY, Jacksonville, Fla., a corporation of Florida. Republished by registrant, present address Sanford, Fla.



FOR FRESH FRUITS AND VEGETABLES.
Claims use since 1910.

Reg. No. 179,702. Registered Feb. 12, 1924. RANCHO SESPE, Sespe, Calif. Republished by Keith Spalding, trustee under the will of Eudora Hull Spalding, deceased, Pasadena, Calif.



The lining on the drawing denotes the color blue.
FOR CITRUS FRUITS IN THEIR NATURAL STATE.
Claims use since Apr. 25, 1923.

Reg. No. 182,557. Registered Apr. 15, 1924. AKTIESELSKABET DE DANSKE SPRITVAERKIKER, Copenhagen, Denmark, a corporation of Denmark. Republished by registrant.

FOR LEES AND FRESH YEAST USED FOR FOOD PURPOSES.
Claims use since 1885.

Reg. No. 183,414. Registered Apr. 29, 1924. THE CUDAHY PACKING COMPANY, Chicago, Ill., a corporation of Maine. Republished by registrant.

Blue Ribbon

FOR MEAT MEAL, DRIED BLOOD, AND RAW BONE FOR FEEDING HOGS.
Claims use since November 1913.

Reg. No. 199,919. Registered June 23, 1925. THE W. H. DUNNE CO., Norwich, N. Y., a corporation of New York. Republished by registrant.

SUPREME COURT

FOR CANNED VEGETABLES, CANNED FISH, EVAPORATED MILK, CONDENSED MILK, POTTED MEAT—NAMELY, HAM; SLICED BEEF, COFFEE, TEA, MINCEMEAT, MACARONI, OLIVES; PICKLES, ROLLED OATS, PANCAKE FLOUR, PREPARED MUSTARD, PEANUT BUTTER, COCOA, COCONUT SALAD DRESSING, AND CORNSTARCH FOR FOOD PURPOSES.
Claims use since Oct. 23, 1912.

Reg. No. 241,193. Registered Apr. 17, 1928. JOHN MORRELL & CO., Ottumwa, Iowa, a corporation of Maine. Republished by registrant.

Morrell's

FOR HAMS, SHOULDERS, BONELESS BUTTS, PICNICS, BACONS, DRIED BEEF, TONGUES, LARD, LARD OIL, CHEESE, BUTTER, EGGS, PORK LOIN, SAUSAGE, SOUSE, TRIPE, CHILE CON CARNE, CORNED BEEF, EXTRACT OF BEEF, LUNCH TONGUE, POTTED BEEF, PORK, AND MUTTON, ROAST BEEF, LUNCHEON MEAT, HASH, OX TONGUE, MEAT LOAF, DEVILED MEAT, CANNED OX-TAIL SOUP, MARMALADE, CANNED VEGETABLE SOUP, PLUM PUDDING, PORK AND BEANS, MINCEMENT, BEEF AND PORK BRAINS, PIGS' FEET, BEEF, PORK, AND MUTTON HEARTS, BEEF AND PORK TENDERLOINS, BEEF AND PORK HOCKS, SWEETBREADS, AND POTTED MEAT.
Claims use since Mar. 22, 1897.

Reg. No. 244,503. Registered July 24, 1928. GRAND TRAVERSE PACKING COMPANY, Traverse City, Mich. Republished by Cherry Growers, Inc., Traverse City, Mich., a corporation of Michigan.

ZENEDA

FOR CANNED CHERRIES.
Claims use since 1923.

Reg. No. 245,567. Registered Aug. 14, 1928. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va., a corporation of Virginia. Republished by registrant.

SOUTHERN

FOR BISCUITS, CRACKERS, AND HARD CAKES.
Claims use since 1899.

Reg. No. 246,247. Registered Sept. 4, 1928. A. B. MEWHINNEY CO. INC., doing business as Mewhinney's, Terre Haute, Ind. Republished by Hillman's, Inc., Chicago, Ill., a corporation of Illinois.

SARAH ELLEN

FOR CANDY.
Claims use since June 1, 1927.

Reg. No. 247,977. Registered Oct. 9, 1928. ARPEAKO, INC., Rochester, N. Y. Republished by Tobin Packing Co., Inc., Rochester, N. Y., a corporation of Delaware.

ARPEAKO

FOR SMOKED PORK PRODUCTS—NAMELY, HAMS, BACON, PORK SHOULDERS, BACON SQUARES, HAM ROLL, SLICED BACON, CORNED BEEF, SMOKED DRIED BEEF, BOILED HAMS, BAKED HAMS, ROASTED HAMS, COOKED PORK LOIN, FRANKFURTERS, BOLOGNA, PORK SAUSAGE, POLISH SAUSAGE, BLOOD SAUSAGE, HEADCHEESE, LIVER SAUSAGE, MINCED HAM, PRESSED HAM, MEAT LOAF, AND FRESH PORK CUTS.
Claims use since May 9, 1926.

Reg. No. 248,635. Registered Oct. 23, 1928. DUNBAR-DUKATE COMPANY, INC., New Orleans, La. Republished by McPhillips Packing Corporation, Bayou La Batre, Ala., a corporation of Alabama.

DUNBAR

FOR CANNED RAVIOLIS AND CANNED OYSTERS.
Claims use since 1926.

Reg. No. 252,323. Registered Feb. 5, 1929. WILBUR-ELLIS COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

LIGHTHOUSE

FOR STOCK FOOD—NAMELY, FISH MEAL.
Claims use since Aug. 2, 1926.

Reg. No. 255,231. Registered Apr. 16, 1929. JACK M. SILVA, Turlock, Calif. Republished by Jones & Kavanagh Co., Ltd., Los Angeles, Calif., a firm.

Sweet Patootie

FOR FRESH VEGETABLES.
Claims use since Aug. 14, 1928.

Reg. No. 268,902. Registered Mar. 18, 1930. AMBROSIA CHOCOLATE COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

MILK CHOCOLATE "FORTIES"

The words "Milk Chocolate" are disclaimed apart from the mark as shown.
FOR CHOCOLATE CANDY IN CAKES OF FORTY SQUARES EACH.
Claims use since July 1928.

Reg. No. 273,519. Registered Aug. 5, 1930. ANNA MYERS PURE FOOD INC., Newark, N. J. Republished by Anna Myers Pure Foods, Inc., Garfield, N. J., a corporation of New Jersey.

Mrs. Anna Myer's

FOR MAYONNAISE, RELISH SPREAD MADE OF MAYONNAISE AND VEGETABLES, PICKLED BEETS, JAMS AND JELLIES.
Claims use since Aug. 15, 1927.

Reg. No. 278,215. Registered Dec. 9, 1930. ORIENTAL SHOW-YOU COMPANY, INC., Columbia City, Ind., a corporation of Indiana. Republished by registrant.



The drawing is lined for blue, red, and gold as indicated.
FOR CANNED CHOP SUEY, CANNED CHOW MEIN NOODLES, CANNED BEAN SPROUTS, CANNED AND MIXED VEGETABLES.
Claims use since June 1, 1915.

Reg. No. 284,545. Registered July 7, 1931. AMBROSIA CHOCOLATE COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

FOOD OF THE GODS

FOR CHOCOLATE COATINGS, CHOCOLATE CANDY, HOT CHOCOLATE POWDER, AND CHOCOLATE.
Claims use since about the beginning of the year 1928.

Reg. No. 284,865. Registered July 7, 1931. ANNA MYERS PURE FOOD, INC., Newark, N. J. Republished by Anna Myers Pure Foods, Inc., Garfield, N. J., a corporation of New Jersey.

Mrs. Anna Myers
MEXICAN
CHILLI RELISH

The words "Mexican Chilli Relish" are disclaimed apart from the mark as shown.
FOR PRESERVED PICKLES.
Claims use since Feb. 15, 1930.

Reg. No. 289,677. Registered Dec. 1, 1931. ORIENTAL SHOW-YOU COMPANY, INC., Columbia City, Ind., a corporation of Indiana. Republished by registrant.



The drawing is lined for the colors blue, red, and gold.
FOR CANNED FOODS—NAMELY, CHOP SUEY (WITH MEAT), VEGETABLE CHOP SUEY (WITHOUT MEAT), CHOW MEIN NOODLES, BEAN SPROUTS, MIXED VEGETABLES, BAMBOO SHOOTS, AND WATER CHESTNUTS.
Claims use since Mar. 1, 1925.

Reg. No. 301,356. Registered Feb. 28, 1933. FOREMOST DAIRY PRODUCTS INCORPORATED, Jacksonville, Fla. Republished by Foremost Dairies, Inc., Jacksonville, Fla., a corporation of Delaware.

FOREMOST

FOR ICE CREAM.
Claims use since Mar. 8, 1929.

Reg. No. 302,599. Registered Apr. 25, 1933. Foremost Dairy Products Inc., Jacksonville, Fla. Republished by Foremost Dairies, Inc. (1946), Jacksonville, Fla., a corporation of Delaware.

DIXIE DOODLE

The words "A Delicious Frozen Confection" and the words "Net Weight 2 Oz." are disclaimed apart from the mark as shown.

FOR ICE CREAM, SHERBETS, AND CUSTARD.

Claims use since Oct. 1, 1931.

Reg. No. 343,706. Registered Mar. 2, 1937. Rosenberg Brothers, Medford, Oreg. Republished by Harry and David, Medford, Oreg., a corporation of Oregon.

ROYAL RIVIERA

FOR FRESH PEARS.

Claims use since Aug. 14, 1936.

Reg. No. 347,007. Registered June 15, 1937. The Acme Flour Mills Co., Oklahoma City, Okla., a corporation of Kansas. Republished by registrant.

SPEED KING

FOR WHEAT FLOUR.

Claims use since July 1, 1936.

Reg. No. 349,723. Registered Aug. 31, 1937. Citrus Products, Inc., Olive, Calif. Republished by Motual Orange Distributors, Redlands, Calif., a corporation of California.

PAR GOLD

FOR CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES.

Claims use since Mar. 13, 1937.

Reg. No. 350,674. Registered Oct. 5, 1937. Rancho Sespe, Fillmore, Calif. Republished by Keith Spalding, trustee under the will of Eudora Hull Spalding, deceased, Pasadena, Calif.

Silver Stripe

FOR FRESH CITRUS FRUITS.

Claims use since January 1933.

Reg. No. 354,039. Registered Feb. 1, 1938. Cherry Growers Packing Company, Traverse City, Mich. Republished by Cherry Growers, Inc., Traverse City, Mich., a corporation of Michigan.

REDDI-MAID

FOR CANNED FRUITS, PARTICULARLY CHERRIES AND APPLES.

Claims use since Dec. 21, 1934.

Reg. No. 355,109. Registered Mar. 8, 1938. The Cudahy Packing Company, Chicago, Ill., a corporation of Maine. Republished by registrant.

WESTERN PRIZE

The word "Prize" is disclaimed apart from the mark as shown.

FOR DRESSED POULTRY.

Claims use since July 12, 1937.

Reg. No. 355,782. Registered Mar. 29, 1938. Hearsh Brothers, Los Angeles, Calif., a firm. Republished by registrant.

VITA-FUL

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT.

Claims use since Nov. 16, 1937.

Reg. No. 360,949. Registered Oct. 4, 1938. Foremost Dairies, Inc., Jacksonville, Fla. Republished by Foremost Dairies, Inc. (1946), Jacksonville, Fla., a corporation of Delaware.

FOREMOST ICE CREAM

The drawing is lined for the colors red and blue. The words "Ice Cream" and "Certified Formula" are disclaimed apart from the mark as shown.

FOR ICE CREAM.

Claims use since Apr. 1, 1037.

Reg. No. 366,886. Registered May 2, 1939. Lewis Terven, Salinas, Calif. Republished by Lewis A. Terven Company, Salinas, Calif., a corporation of California.

GOLD BRICK

FOR FRESH VEGETABLES.

Claims use since Oct. 11, 1938.

Reg. No. 377,349. Registered Apr. 30, 1940. California Olive Association, San Francisco, Calif., a corporation of California. Republished by registrant.

MEMBER OF CALIFORNIA OLIVE ASSN.

FOR CANNED OLIVES.

Claims use since Nov. 28, 1939.

Reg. No. 379,295. Registered July 9, 1940. Ramirez & Feraud Chili Co., Ventura, Calif., a firm. Republished by registrant.



The representation of a label is disclaimed apart from the mark as shown. The drawing is lined for the color yellow.

FOR CANNED SPANISH RED CHILI SAUCE AND CANNED BEANS WITH CHILI SAUCE.

Claims use since Feb. 3, 1922.

Reg. No. 379,825. Registered July 30, 1940. Ambrosia Chocolate Company, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

FOOD OF THE GODS

The word "Food" is disclaimed apart from the mark as shown.

FOR SWEET AND BITTER, SOLID AND POWDERED CHOCOLATE AND COCOA PREPARATIONS FOR FOOD BEVERAGES, CHOCOLATE, COCOA, AND CANDY.

Claims use since January 1928.

Reg. No. 382,954. Registered Nov. 19, 1940. Superior Fisheries, Inc., Los Angeles, Calif. Republished by Parrott & Co., San Francisco, Calif., a corporation of California.

DIXIE PRIZE

The word "Prize" is disclaimed apart from the mark as shown.

FOR CANNED MACKEREL AND CANNED SARDINES.

Claims use since Jan. 21, 1940.

Reg. No. 383,955. Registered Dec. 31, 1940. Flash Luncheonette, Inc., New York, N. Y., assignor to King Features Syndicate, Inc. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

DAGWOOD

FOR SANDWICHES.

Claims use since Feb. 24, 1940.

Reg. No. 387,145. Registered May 6, 1941. Ambrosia Chocolate Company, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

Fudg-in

The word "Fudg" is disclaimed apart from the mark as shown.

FOR PREPARED CHOCOLATE POWDER, TO BE USED IN THE PREPARATION OF FUDGE ICE CREAM.

Claims use since Jan. 24, 1940.

Reg. No. 396,038. Registered Aug. 11, 1942. Cherry Growers, Inc., Traverse City, Mich., a corporation of Michigan. Republished by registrant.

SUCRO

FOR FRUITS PRESERVED IN SUGAR, SOLD IN TINS AND IN BULK, FOR USE IN ICE CREAM, FROZEN DESSERTS, TOPPINGS, OR OTHER USES.

Claims use since January 1941.

Reg. No. 399,320. Registered Dec. 29, 1942. Canners Exchange Inc., Springfield, Mo., a corporation of Missouri. Republished by registrant.

Staff-o-Life

FOR CANNED VEGETABLES AND CANNED BLACKBERRIES.

Claims use since the year 1935.

Reg. No. 399,909. Registered Feb. 2, 1943. Lewis Terven, Salinas, Calif. Republished by Lewis A. Terven Company, Salinas, Calif., a corporation of California.

HI-SCORE

FOR FRESH VEGETABLES.

Claims use since May 16, 1939.

Reg. No. 407,156. Registered May 23, 1944. GLASER, CRANDELL CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

DERBY

FOR PREPARED MUSTARD; PREPARED MUSTARD, SALAD STYLE; PREPARED MUSTARD, METROPOLITAN STYLE.
Claims use since 1890.

Reg. No. 432,672. Registered Sept. 9, 1947. COSTA DISTRIBUTING CO. OF EL CENTRO, El Centro, Calif., a firm. Republished by registrant.

DESERTAIRE

FOR FRESH VEGETABLES—NAMELY, LETTUCE AND MELONS.
Claims use since Sept. 5, 1946.

Reg. No. 437,268. Registered Mar. 9, 1948. ORANGE BELT FRUIT DISTRIBUTORS, Pomona, Calif., a firm. Republished by registrant.

BENEFIT

FOR FRESH CITRUS FRUITS.
Claims use since 1941.

Reg. No. 438,542. Registered Apr. 27, 1948. CARAVETTA FOODS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

RIVIERA

FOR CHEESE.
Claims use since Nov. 3, 1920.

CLASS 47

WINES

Reg. No. 406,765. Registered Apr. 25, 1944. STANDARD DISTILLERS PRODUCTS INCORPORATED, Baltimore, Md. Republished by Standard Distillers Products, Baltimore, Md., a co-partnership.

KENMONT

FOR WINE.
Claims use since Aug. 30, 1943.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 69,996. Registered July 21, 1908. H. & G. SIMONDS, LIMITED, Reading, England, a corporation organized under the laws of Great Britain. Republished by registrant.

THE HOP LEAF

FOR ALE.
Claims use since July 1870.

Reg. No. 439,119. Registered June 1, 1948. HAFFENREFFER & CO. INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

Haffenreffer

FOR ALE.
Claims use since May 19, 1941.

Reg. No. 439,120. Registered June 1, 1948. HAFFENREFFER & CO. INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

PICKWICK ALE
Haffenreffer

No claim is made to the word "Ale" apart from the remainder of the mark.
FOR ALE.
Claims use since June 19, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 89,213. Registered Dec. 3, 1912. AKTIESELSKABET DE DANSKE SPRITFABRIKKER, Copenhagen, Denmark, a corporation of Denmark. Republished by registrant.

TAFFEL AKVAVIT
AALBORG.

The words "Medailler for Sprit Akvavit og Braendevin, Rectificeret Fuselfri Filtreret Taffel Akvavit Actieselskabet De Danske Spritfabrikker Aalborg" are disclaimed apart from the mark as shown.
FOR BRANDY KNOWN AS "AQUAVITAE."
Claims use since Aug. 9, 1881.

Reg. No. 157,846. Registered Aug. 22, 1922. AKTIESELSKABET DE DANSKE SPRITFABRIKKER, Copenhagen, Denmark, a corporation of Denmark. Republished by registrant.

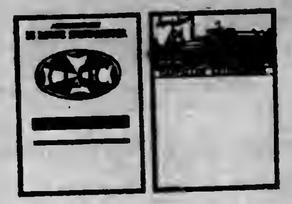
The trade-mark consists of an oval etiquette in which a Maltese cross on red ground is displayed.
FOR SPIRITUOUS LIQUORS—THAT IS TO SAY, WINE, WHISKY, BRANDY, ETHYL ALCOHOL, AND LEES USED IN THE MANUFACTURE OF DISTILLED LIQUORS.
Claims use since 1885.

Reg. No. 329,602. Registered Nov. 5, 1935. AKTIESELSKABET DE DANSKE SPRITFABRIKKER, Copenhagen, Denmark, a corporation of Denmark. Republished by registrant.

CLOC

FOR BRANDY AND ALCOHOLIC CORDIALS AND LIQUORS.
Claims use since 1922.

Reg. No. 334,711. Registered May 12, 1936. AKTIESELSKABET DE DANSKE SPRITFABRIKKER, Copenhagen, Denmark, a corporation of Denmark. Republished by registrant.



FOR LIQUEUR—NAMELY, ALCOHOLIC CORDIALS, BRANDY, WHISKEY, AND KUMMEL.
Claims use since 1922.

Reg. No. 335,315. Registered June 2, 1936. AKTIESELSKABET DE DANSKE SPRITFABRIKKER, Copenhagen, Denmark, a corporation of Denmark. Republished by registrant.

AALBORG AKVAVIT.

FOR BRANDY KNOWN AS "AQUAVITAE."
Claims use since about 1830.

Reg. No. 386,810. Registered Apr. 22, 1941. STANDARD DISTILLERS PRODUCTS, INC., Baltimore, Md. Republished by Standard Distillers Products, Baltimore, Md., a co-partnership.

Egg-cell-ent

The words "Trade-Mark" and "Baltimore, Md." are disclaimed apart from the mark as shown.
FOR EGG-NOG.
Claims use since Nov. 19, 1940.

REISSUES

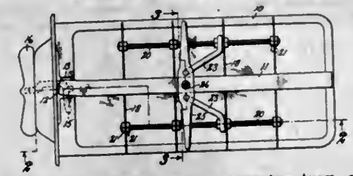
MAY 10, 1949

23,109
MIXING FAUCET
Carmelo V. Di Pietro, Birmingham, Mich.
Original No. 2,401,914, dated June 11, 1946, Serial No. 462,439, October 17, 1942. Application for reissue June 7, 1947, Serial No. 753,288
11 Claims. (Cl. 299—121)



1. A faucet for dispensing water under pressure comprising a body having a valved passage therethrough, an outlet nozzle on the body in communication with the outlet end of the passage, a porous flexible member through which the water passes in flowing from the body to the nozzle, and means for adjusting the porosity characteristics of said member thereby regulating the velocity of the water passing into the nozzle.

23,110
REFRIGERATION
Robert Lay Hallock, Larchmont, N. Y.
Original No. 2,215,324, dated September 17, 1940, Serial No. 178,060, December 4, 1937. Application for reissue September 6, 1941, Serial No. 409,903
5 Claims. (Cl. 62—108.5)

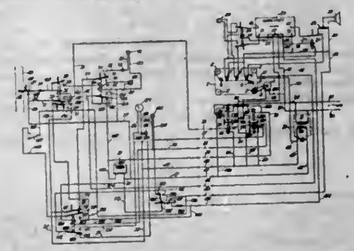


1. The combination with a freezing tray, of a unitary metallic grid structure for disposition in said tray and removable therefrom as a unit comprising a longitudinal member, a plurality of bendable webs connected therewith, a plurality of arms pivotally connected to said longitudinal member, and means whereby movement of said arms causes a bending of said bendable webs to free ice cubes therefrom.

23,111
PROCESS FOR PRODUCING CHLORINE DIOXIDE
Torsten Gustaf Holst, Ornskoldsvik, Sweden, assignor to Mo Och Domsjö Aktiebolag, Örnskoldsvik, Sweden, a limited company of Sweden
No Drawing. Original No. 2,373,830, dated April 17, 1945, Serial No. 506,859, October 19, 1943. Application for reissue July 23, 1947, Serial No. 763,177. In Sweden June 2, 1943
14 Claims. (Cl. 23—152)

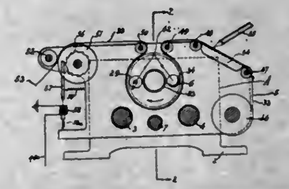
1. In a process for producing chlorine dioxide by reacting a metallic chlorate with a gaseous reducing agent, the step of bringing the gaseous reducing agent to act upon the chlorate in an aqueous solution acidified in advance by means of any strong acid, with the exception of halogenic acids, said solution being at least 2-normal with regard to its content of free acid.

23,112
COIN-OPERATED VOICE RECORDING MACHINE
Edmund M. Squire, Radburn, N. J., assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Original No. 2,379,548, dated July 3, 1945, Serial No. 433,911, March 9, 1942. Application for reissue June 28, 1946, Serial No. 679,971
7 Claims. (Cl. 179—100.2)



1. In a recording and reproducing machine having a record structure forming an endless flexible magnetic recording medium and including a control element, manual starting means, and control means including means operable by said control element and responsive to each passage of said medium through said machine, whereby the completion of the first passage of said medium will condition said machine for reproducing and the completion of the second such passage will automatically stop said machine.

23,113
INSIDE SCANNING FACSIMILE MACHINE
William S. Tandler and David S. Walker, New York, N. Y., assignors, by mesne assignments, to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Original No. 2,435,250, dated February 3, 1948, Serial No. 523,824, February 25, 1944. Application for reissue October 7, 1948, Serial No. 53,331
8 Claims. (Cl. 178—6.6)



1. In a machine for facsimile systems, a stationary frame having a pair of uprights, a cylin-

drical support movably mounted between said uprights, means on said frame for supporting a paper supply roll at one side of said cylindrical support, paper feed mechanism mounted on said frame at the other side of said support, said mechanism including a rotary member, a pair of closely spaced rollers mounted between said uprights to guide a continuous sheet of paper from said supply roll around the outer surface of said cylindrical support and into engagement with said rotary member, an electric actuating device connected to said rotary member in such driving ratio that the energized device rotates said member a predetermined amount to draw a measured length of paper from the supply roll around said cylindrical support, said closely spaced rollers holding the measured length of paper against the outer surface of said cylindrical support which thereby automatically shapes the paper into cylindrical form for inside scanning, a rotary hollow shaft supported by said uprights and passing centrally through said cylindrical support, a scanner arranged to operate through said hollow shaft on the inside surface of a sheet mounted on the outside of said cylindrical support, and means for producing relative axial displacement of said scanner and the supported sheet during a scanning operation.

PLANT PATENTS

GRANTED MAY 10, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

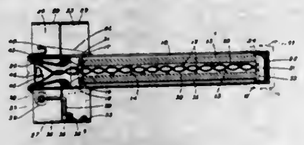
835
HYBRID MALLOW PLANT
Ernest Hemming, Easton, Md., assignor to Eastern Shore Nurseries, Inc., Easton, Md., a corporation of Maryland
Application August 27, 1947, Serial No. 770,847
1 Claim. (Cl. 47—60)

A new and distinct variety of mallow plant, characterized as to novelty by its rich red color of flowers, of medium size, and opening flat with overlapping petals; its deeply cut, dark green and shiny foliage, lacking the usual coarseness and hairiness of other varieties; by the hardiness of the plant, its medium size habit of growth and reddish color of stem, substantially as shown and described.

PATENTS

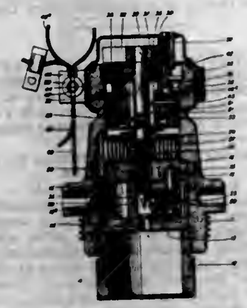
GRANTED MAY 10, 1949

2,469,350
ROCKET DEVICE
Charles C. Lauritsen, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application April 2, 1943, Serial No. 481,645
4 Claims. (Cl. 102—49)



2. In a rocket motor having a hollow body for receiving a combustible propellant charge, the combination of an electrically operable igniter in the body for igniting the charge, a pair of contact rings extending around the body and through which the igniter is energized, spiral fins connecting the rings to the tail portion of the body, means for insulating the rings from each other, and means extending through the body for electrically connecting said igniter to the rings.

2,469,351
FUSE
Charles C. Lauritsen, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application April 2, 1943, Serial No. 481,647
1 Claim. (Cl. 102—76)



A fuze comprising a casing, a flywheel in the casing, a firing pin threaded in the casing and extending through the flywheel, the pin being rotatable with the flywheel and movable endwise therein, a driving spring coiled around the firing pin for rotating the flywheel to screw the pin from a safe to an armed position, a setback collar on the firing pin rotatable with the pin and movable endwise thereon, a detent engageable in an opening in the collar to lock the pin against rotation, biasing means for urging the collar into locking relation with the detent, the collar being movable against the biasing means by a force of setback to disengage the detent from said opening and release the firing pin, actuating means for moving the detent to an inoperative position wherein the collar and the firing pin are free to rotate, said last means being inoperative when the detent is in said opening, a locking member normally securing the detent against movement by said actuating means and urged toward an inoperative position, a laterally extending element on one end of the firing pin and operable upon impact with a target to actuate the pin for firing the fuze, said element being engageable with the locking member to secure the firing pin against rotation, a cap on the casing for shielding said element and holding said member in its locking position, and means including an arming wire for securing the cap on the casing and operable by actuation of the wire to release the cap and said locking member.

2,469,352
FUSE
Charles C. Lauritsen, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application April 2, 1943, Serial No. 481,648
4 Claims. (Cl. 102—81)



1. A fuze comprising a firing device, safety means normally maintaining the firing device ineffective and movable to an operating position to render said device effective, a pair of opposed bell-crank levers each having one arm locking the safety means in its normal position against movement, a diaphragm adjacent the other arm of each lever and operable hydrostatically to move the levers for releasing the safety means, and a member on the central portion of the diaphragm engaging the free end portions of said last arms and confining said free end portions between the diaphragm and said member, whereby the levers are interlocked with the diaphragm.

2,469,353
CEMENTING EARTH BORES
Irwin W. Alcorn, Houston, Tex., and Donald C. Bond, Northbrook, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application October 11, 1944, Serial No. 558,272
3 Claims. (Cl. 166—22)

1. The method of cementing oil and gas producing earth bores comprising, pumping into the earth bore a hydraulic cement slurry containing approximately 0.1 to 4.0 per cent by weight of soy bean protein and an alkali metal hydroxide in the amount of about 10 to 20 per cent of the weight of the soy bean protein and 0.01 to 0.8 per cent by weight of the total composition and allowing the slurry to set.

2,469,354
PRODUCTION OF OIL
Donald C. Bond, Northbrook, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application October 24, 1945, Serial No. 624,335
4 Claims. (Cl. 166—22)

1. The method of increasing the flow of oil from a subterranean oil producing formation containing a plurality of earth bores comprising, injecting into at least one of said bores a substantially dry carrier gas containing about one volume of the vapor of a readily volatile hydrolyzable halosilane per 5,000 to 10,000 volumes of the dry gas, which vapor upon contact with moisture in the earth formation hydrolyzes to deposit on solid particles comprising the formation a film preferentially wettable by oil.

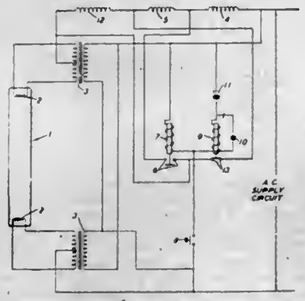
2,469,355
PRODUCTION OF ALKYLHALOSILANES
Lee De Pree, Holland, and Arthur J. Barry and Donald E. Hook, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application November 13, 1946, Serial No. 709,422
9 Claims. (Cl. 260—448.2)

1. The process which comprises reacting an alkyl halide, in which the alkyl radical contains a plurality of carbon atoms, with an inorganic halosilane consisting of hydrogen, halogen, and silicon atoms and having both hydrogen and halogen atoms attached directly to the silicon atom, at a pressure of at least 100 pounds per square inch and a temperature between 250° and 400° C. to form an alkylhalosilane.

2,469,356
STABILIZED NATURAL SOIL COMPOSITION
Claude G. Hammond, Athens, Ga., assignor to Alice S. Hammond, Athens, Ga.
No Drawing. Application June 27, 1947, Serial No. 757,670
6 Claims. (Cl. 106—98)

1. A settable building composition consisting of a mixture of natural soil which contains clay in varying proportions and a sand content of from 25% to 70% by volume, a hydraulic cement consisting principally of a mixture of calcium silicates, calcium aluminates and calcium ferrites, and water in the proportions by volume of from 5 to 18 parts of said cement to approximately 94 parts of said natural soil with water added in sufficient quantity to produce a plastic, settable mass, and a copper salt of the group consisting of copper sulphate and copper chloride in the approximate percentage of $\frac{100}{320}$ based on the weight of water in the mixture.

2,469,357
ELECTRIC DISCHARGE LAMP SYSTEM AND METHOD OF OPERATION
Harry Kebbell Bourne, Rugby, England, assignor to General Electric Company, a corporation of New York
Application October 8, 1946, Serial No. 701,966
In Great Britain December 27, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires December 27, 1959
3 Claims. (Cl. 315—106)



1. A method of producing intermittent flashes of light by utilizing an electric discharge lamp energized from a source of current through an impedance, which method comprises intermittently short-circuiting the impedance to increase the power input to the lamp, maintaining the arc discharge in the lamp during periods of reduced power input, and controlling said impedance to increase the value of the current transmitted to the lamp to a value greater than that existing during periods of reduced power input and less than that existing during periods of increased power input, when the period of reduced power input is in excess of a predetermined time.

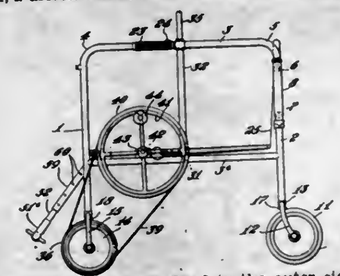
2,469,358
PREPARATION OF HYDRAZONITRILES FROM AZINES OF BUTYL KETONES
Witty Lysle Alderson, Jr., and James A. Robertson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 22, 1947, Serial No. 736,586
6 Claims. (Cl. 260—465.5)

1. In the preparation of hydrazonitriles, the step wherein the azine of a dialkyl ketone, one alkyl of which is butyl and the other alkyl is of 1 to 4 carbons is reacted with hydrogen cyanide by treatment with at least two moles of the latter per mole of ketazine in a reaction system containing not more than 50%, based on the weight of hydrogen cyanide, of water.

2,469,359
PORTABLE SUPPORT
Butler Ames, Boston, Mass.
Application January 24, 1945, Serial No. 574,364
1 Claim. (Cl. 280—211)

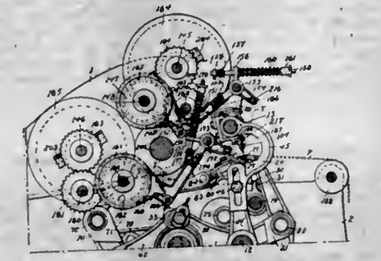
A foldable support, for invalid or similar use, of the kind which comprises a pair of supporting

units, a rigid back of fixed width, hinge means connecting the back to each supporting unit, each unit including a hand rail and a stretcher bar spaced below and substantially parallel to the corresponding hand rail, each unit having front and rear supporting wheels, a swivel bracket for the rear wheel of each unit, said brackets being arranged to turn about substantially vertical axes, characterized in that the front wheel of each unit is mounted in a non-swiveling bracket comprising spaced fork arms providing supports for the opposite ends of a shaft on which the front wheel turns, a manually rotatable drive wheel mounted on the stretcher bar of each unit at the outer side of said unit, each drive wheel having a grooved rim, a driven wheel, of substantially less diameter



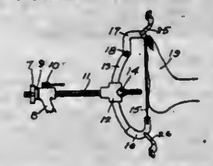
than the drive wheel, fixed to the outer side of and coaxial with and of a diameter less than that of the front supporting wheel of the corresponding unit, each driven wheel being disposed in the vertical plane of the corresponding drive wheel, the fork arms of each front bracket being spaced apart to accommodate the front supporting wheel with its associated driven wheel, and an endless drive band engaging the grooves of the drive and driven wheels of each unit, respectively, each manually rotatable drive wheel being provided at its outer side with a knob designed to be grasped by the operator for turning the drive wheel, each drive wheel being bodily adjustable relatively to the respective stretcher bar thereby properly to tension the drive band.

2,469,360
KNITTING MACHINE
Roy C. Amidon, Reading, Pa., assignor to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania
Application October 16, 1943, Serial No. 506,561
48 Claims. (Cl. 66—86)



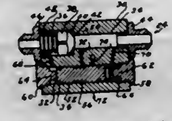
1. In a flat knitting machine: two knock-over sinkers spaced apart and each including a blade and a nib; a stationary needle guide located below the sinkers and having a tongue, the end of which is held in the space between the sinkers; a needle having a hook disposed to cooperate with said tongue for effecting closure of the needle; means for reciprocating said needle to pass its hook end into and out of the space between said sinkers; at least one thread guide for placing a thread on said needle; means to actuate said thread guide; and means to move said sinkers in the general longitudinal direction of the axis of the needle and back and forth in a direction generally normal to said axis.

2,469,361
ORTHOPEDIC FOOT PLATE DEVICE
Roger Anderson, Seattle, Wash.
Application October 17, 1945, Serial No. 622,785
7 Claims. (Cl. 128—84)



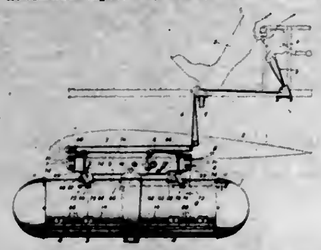
1. An orthopedic foot plate device comprising a traction means; an arcuate frame member connected with said traction means for angular movement about its center of curvature and with its said center aligned with and opposite said traction means; and a foot plate, for supporting a foot with the ankle joint substantially aligned with the center of curvature of the arcuate frame member, secured to said frame member.

2,469,362
FLUID PUMP AUTOMATIC AIR BLEED VALVE
Nicholas Bashark, Dayton, Ohio
Application October 2, 1944, Serial No. 556,816
8 Claims. (Cl. 277—60)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



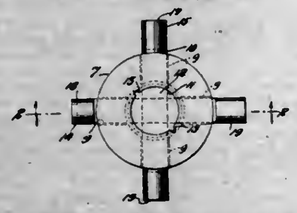
1. A valve mechanism comprising a body having a flow passage therethrough, with inflow and outflow ends adapted respectively to receive and to discharge hydraulic fluid under pressure, a check valve in said flow passage intermediate said ends biased for flow from the inflow to the outflow end, a passageway connecting a point in said flow passage upstream of said check valve to a point in said flow passage downstream of said check valve, a vent connecting said passageway to the atmosphere, an opening connecting said passageway to said flow passage upstream of said check valve, an air bleed valve movable in said passageway to open or close said vent, one end of said air bleed valve being sensitive to the pressure upstream of said check valve to be moved by said upstream pressure to the closed position, and the other end of said air bleed valve being sensitive to the pressure downstream of said check valve to be moved by said downstream pressure to the open position, and a resilient means urging said air bleed valve to its open position.

2,469,363
EXTERIOR BOMB CONTAINER
Harry J. Biondi, Gaithersburg, Md.
Application November 5, 1943, Serial No. 509,083
8 Claims. (Cl. 89—1.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



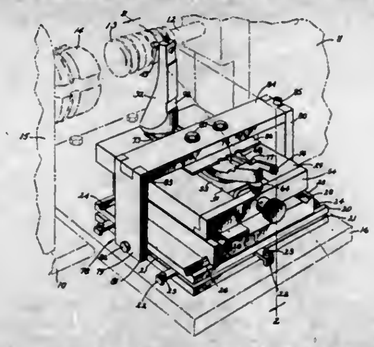
1. In a bomb container, a normally closed container comprising a metal shell having a horizontal division wall and a pair of end walls thereon within the container, a pair of opposed doors hinged on the bottom of the container, means for positively locking and releasably holding said doors in a closed position, comprising a pintle mounted on the top of the horizontal division wall, a short lever revolvably mounted on the pintle, means for operating the short lever mounted on the pintle, a pivotally mounted latch-lever on the said end wall of the container, means connecting the short lever and the upper end of the latch-lever, a door latch carried by the said end division wall in slidable engagement with the lower end of the latch-lever, for the purpose of releasing the said doors, automatic means for operating the latch-lever in a reverse direction in order to lock the door latch in connection with said doors, after a bomb discharging operation has been performed, and automatic means in engagement with the doors for closing same after a discharge of bombs, and adapted to cooperate with the locking latch, to positively lock said doors within the body outline of the container.

2,469,364
MORTISED BLOCK PUZZLE
John D. Boyle, Greenwich, Conn.
Application February 6, 1946, Serial No. 645,801
3 Claims. (Cl. 273—160)



1. A puzzle comprising a block having a central chamber and substantially cylindrical passages intersecting said chamber in a common plane and crossing each other at right angles, pegs in crossed relation having substantially cylindrical end portions slidably operable in said crossed passages and substantially semicylindrical intermediate portions slidably engaged over each other, one of the substantially cylindrical end portions of one of said pegs being slightly shorter than the other end portions and the intermediate, substantially semicylindrical portion of that particular peg being tapered in thickness toward said shorter end portion.

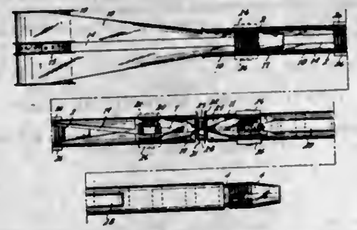
2,469,365
TOOL FOR DRESSING GRINDING WHEELS
Oscar M. Braaten, Rock Island, Ill.
Application February 23, 1945, Serial No. 579,483
18 Claims. (Cl. 125—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a machine for forming a desired contour on a rotatable element, in which the machine includes means for rotating the element on a longitudinal horizontal axis, the combination of a support, a first member, a tool-carrying member, means supporting the tool-carrying member on the first member and the first member on the support and arranging one of said members for movement longitudinally of the support and the other member transversely of the support, a tool standard including a belt-engaging portion, means mounting the tool standard on the tool-carrying member for movement with the members and including a vertical pivot providing for angular movement of the tool standard with respect to said members, a control member including a belt-engaging portion, means mounting the control member on the tool-carrying member whereby said first and tool-carrying members may be moved by the control member, said means including a vertical pivot providing for angular movement of the control member with respect to said first and tool-carrying members, a belt trained about the belt-engaging portions of the tool standard and the control member for imparting angular movement of the latter to the former, and a template formed according to the contour desired on the element for guiding the movement of the tool standard and members.

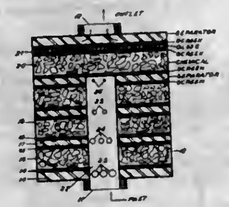
2,469,366
METHOD OF WRAPPING AND LABELING RECEPTACLES
Wendell T. Burbank, Three Rivers, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich., a corporation of Michigan
Application September 8, 1947, Serial No. 772,664
14 Claims. (Cl. 93—3)

1. The method of wrapping and labeling groups of nested receptacles having inset bottoms with heat sealable wrapping material comprising the steps of advancing a strip of transparent heat sealable material and a label strip superimposed thereon and facing downwardly and conforming the wrapping strip to an upwardly facing channel section, placing groups of nested receptacles in spaced relation on said conformed wrapping strip with their tops facing rearwardly and advancing the wrapping and label strips with the groups with a step by step movement, wrapping the wrapping strip around the groups successively as they are advanced and overlapping and heat sealing at least a portion of the overlapping longitudinal edges of the wrapping strip at the sides of the groups, collapsing and heat sealing



the wrapping strip so wrapped around the groups at spaced points between each group while the groups are at rest and severing between such spaced heat sealed points, thereby providing an individual wrapper for each group in advance of the point of end sealing and severing, frictionally holding the group at the front of the point of end sealing of the wrapped material and advancing the following group into nested relation therewith and thereby tucking the trailing sealed end of the wrapper into the rear receptacle of the preceding group and the front end of the wrapper of the following group into the recessed bottom of the front receptacle of such group.

2,469,367
CANISTER AND DISTRIBUTOR THEREFOR
David S. Burgess, Eugene A. Ramskill, and Roman R. Miller, Washington, D. C.
Application September 17, 1942, Serial No. 458,666
9 Claims. (Cl. 23—281)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a canister having a pair of openings and a plurality of separated layers of gas reactive material enclosed thereby, a conduit for controlling distribution of gas between said openings through a plurality of said layers, said conduit extending transversely through a plurality of said layers and having at least one opening at the separations between said layers through which said conduit extends, said conduit openings decreasing in total area at each separation to cause the flow of gas between said conduit and said separations to decrease progressively as the number of by-passed layers increase.

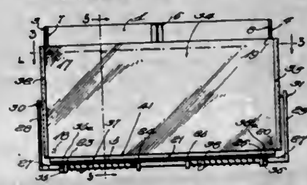
2,469,368
FROTH FLOTATION OF SULFIDE ORES WITH PHENYL-IMIDO-AMYL-DITHIO-CARBONATE
Roberto Carvajal and Juan José Quiroga, Sewell, Chile, assignors to Kennecott Copper Corporation, New York, N. Y., a corporation of New York
No Drawing. Application December 4, 1946, Serial No. 713,910. In Chile February 19, 1946
2 Claims. (Cl. 209—166)

1. The method of concentrating a metal sulphide ore which comprises subjecting the ore in the form of a pulp to a froth flotation operation in the presence of a compound having the following structural formula:



in which R' represents an amyl radical, R'' represents a phenyl radical and M represents hydrogen, a metal or an ammonium radical.

2,469,369
COMMUNICATIONS COPY AND SCHEDULE HOLDER
Lawrence E. Clark, Arlington, Va.
Application October 29, 1946, Serial No. 706,297
6 Claims. (Cl. 40—105)



1. A message holder comprising a container of substantially rectangular contour arranged to be mounted adjacent a supporting surface, a transparent sheet supported in spaced relation to said container and conforming with the shape of one side of said container, a coacting transparent sheet movable toward and away from the aforementioned transparent sheet, and means extending from said container and pivotally connected with said last mentioned sheet for journaling said last mentioned sheet with respect to the major axis of said container and for controlling the movement of said last mentioned sheet in planes substantially parallel to the plane of said first mentioned transparent sheet.

2,469,370
PROCESS OF PRODUCING UNSATURATED PRODUCTS
Ivor M. Colbeth, Maplewood, N. J., assignor to The Baker Castor Oil Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application March 6, 1946, Serial No. 652,491
15 Claims. (Cl. 260—405.5)

1. The process which comprises reacting an ester of a monobasic, hydroxy fatty acid and of a

straight chain alcohol, said alcohol having not more than two hydroxyl groups per molecule and having a boiling point not higher than about 206° C., with a boron compound chosen from the group consisting of boric acid, boric anhydride, metallic borates, and the sulfate, pyrosulfate, halides, and acetate of boron to increase the unsaturation of the ester and to produce a pale viscous product, said reaction between said ester and said boron compound being effected by heating the reaction mixture to at least 180° C. and to not more than 260° C. until the boron esters are formed, and continuing the heating at an increased temperature in the range from 190° C. to 300° C. until the dehydration reaction is substantially complete.

2,469,371

PROCESS OF REACTING GLYCERIDE OILS

Ivor M. Colbeth, Maplewood, N. J., assignor to The Baker Castor Oil Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application August 14, 1946, Serial No. 690,598

18 Claims. (Cl. 260—22)

1. A process for the preparation of partial esters of polyhydric alcohols and higher fatty acids, which comprises the steps of (1) reacting a substantially neutral fatty oil with methyl alcohol in the presence of an esterification catalyst at a temperature in the range from about 15° C. to about 50° C. until the ester interchange reaction is substantially completed and the fatty oil is substantially converted to methyl esters of the fatty acids of said fatty oil, the quantity of methyl alcohol being at least 6 moles for each mole of triglyceride present in said oil, (2) further reacting the thus formed mixture of glycerine and methyl esters of fatty acids with added polyhydric alcohol by heating the entire reaction mixture between about 65° C. and about 95° C. until the methyl esters of the fatty acids are converted to partial esters of the polyhydric alcohol component present and the free methyl alcohol is distilled off, and (3) recovering the partial ester of the polyhydric alcohols.

2,469,372

NONSLIPPING RUBBER BASE MATERIALS

Robert W. Cuthill, Springfield Township, Delaware County, Pa.

Application January 29, 1946, Serial No. 644,014

3 Claims. (Cl. 260—750)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A non-slip safety tread comprising by volume not less than 40% rubber matrix, 35% pigment, and 25% large granular particles of cork and hardwood intermixed therethrough with the hardwood considerably exceeding the cork in percentage.

2,469,373

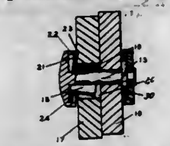
SCISSORS JOINT AND BLADE TENSION MEANS

Donivan C. Feather, Portland, Oreg., assignor of one-third to James B. Pfouts, Portland, Oreg.

Application January 29, 1945, Serial No. 575,046

6 Claims. (Cl. 30—269)

1. Means for automatically increasing the tension on the blades of scissors or the like, including a pivot uniting the blades, the blades being formed with pivot receiving openings of a size to permit relative tilting of the pivot, an independent tensioning element responsive to such pivot



tilting, and means for tilting the pivot and tensioning the element to increase the pressure on the blades under increasing resistance in the operation of the blades.

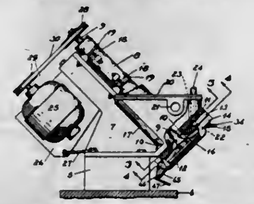
2,469,374

GRAVITY FEED CENTRIFUGAL PUMP

John H. V. Finney, Denver, Colo.

Application February 16, 1945, Serial No. 578,250

11 Claims. (Cl. 103—103)



1. A centrifugal pump of the gravity feed type comprising a support for mounting said pump on a supporting surface, a spindle and spindle bearing mounted on said support at an inclination to the vertical, an impeller on the lower end of said spindle, a casing positioned near to the bottom of said support and surrounding said impeller and removably secured to said support, said casing having upwardly opening intake and discharge ports, and means providing a feed chamber having a drain opening in communication with said intake port, the inclination of said spindle being sufficient to afford removal of said casing to secure access to said impeller while the remainder of said pump is in its normal operating position.

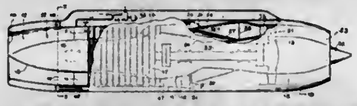
2,469,375

DEICING APPARATUS FOR COMPRESSORS

Charles D. Flagle, Swarthmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 24, 1945, Serial No. 618,140

5 Claims. (Cl. 230—1)



1. In an air compressor having a suction passage for supplying air thereto from the atmosphere and a plurality of inlet guide vanes disposed in said passage for directing air to said compressor, apparatus for detecting the formation of ice on said guide vanes due to freezing of moisture condensing from the atmosphere and comprising means including one of said guide vanes formed hollow to provide a chamber, an outlet orifice for said chamber, means for removing air from said chamber through said outlet orifice, an inlet orifice for supplying air from said suction passage to said chamber and subject to area restriction due to ice formation, and means operated in response to reduction in pressure in said chamber occasioned by said restriction of said inlet orifice for admitting heated fluid to said passage upstream of said guide vanes.

2,469,376

MIXTURES OF ALKYL ARYL SULFONATES

Lawrence H. Flett, Scarsdale, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application March 25, 1946, Serial No. 657,052. In Canada July 28, 1941

16 Claims. (Cl. 260—505)

1. A composition comprising a solid mixture of alkyl aryl sulfonates in which the alkyl groups are derived from a hydrocarbon mixture which boils for the most part above 100° C., which solid mixture develops a rancid odor on being stored, and in admixture therewith a fraction of a percent of its weight of an amino-aromatic compound having not more than 10 nuclear carbon atoms per aromatic nucleus, as an odor inhibitor.

2,469,377

MIXTURES OF ALKYL ARYL SULFONATES

Lawrence H. Flett, Scarsdale, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application March 25, 1946, Serial No. 657,053. In Canada July 28, 1941

11 Claims. (Cl. 260—505)

1. A composition comprising a solid mixture of alkyl aryl sulfonates in which the alkyl groups are derived from a hydrocarbon mixture which boils for the most part above 100° C., which solid mixture develops a rancid odor on being stored, and in admixture therewith a fraction of a percent of its weight of a non-benzenoid organic oxidation inhibitor, as an odor inhibitor.

2,469,378

MIXTURES OF ALKYL ARYL SULFONATES

Lawrence H. Flett, Scarsdale, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application March 25, 1946, Serial No. 657,054. In Canada July 28, 1941

11 Claims. (Cl. 260—505)

1. A composition comprising a solid mixture of alkyl aryl sulfonates in which the alkyl groups are derived from a hydrocarbon mixture which boils for the most part above 100° C., which solid mixture develops a rancid odor on being stored, and in admixture therewith not more than 2 percent of its weight of a heterocyclic organic oxidation inhibitor, as an odor inhibitor.

2,469,379

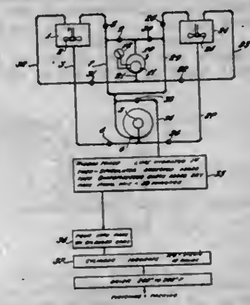
HEAT INSULATING MATERIALS AND METHOD OF MAKING

Lewis H. D. Fraser, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application April 24, 1945, Serial No. 589,971

7 Claims. (Cl. 106—86)

1. The method of making a light weight open fibrous structure comprising forming a stable dispersion in water spiculated fibres selected from the group consisting of asbestos and cellulose fibres, lime and finely divided silica, the lime being present in proportion to spiculated fibres of at least about 1.5 to 1 by weight, and the silica being present in not less than equi-molecular proportions of the lime, said spiculated fibres being predominantly of cross-sectional dimensions from about one-tenth to three microns and of lengths which are at least about three times their



respective cross-sectional dimensions and being from about 1/25% to not greater than about 5% by volume of the water, reacting said lime and silica by heating the mixture while preventing substantial loss of water to form a solid, hydrous, lime silicate, said dispersion retaining its stability during the reaction and said spiculated fibres and reaction product forming an integrated structure having substantially the volume and shape of the dispersion and which volume and shape are substantially retained upon dewatering.

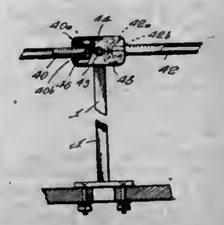
2,469,380

HIGH POTENTIAL EQUALIZER FOR STANDOFF INSULATORS

Joseph F. Frese, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland

Original application March 1, 1944, Serial No. 524,594, now Patent No. 2,399,430. Divided and this application October 20, 1944, Serial No. 559,535

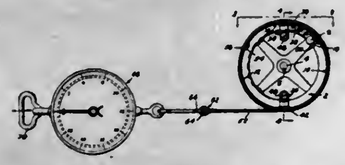
4 Claims. (Cl. 174—94)



1. A potential equalizing surface device comprising a pair of substantially hollow shell-like metallic members electrically and mechanically connected edge to edge to form a substantially uninterrupted continuous surface, in symmetrical arrangement, and internal connecting means

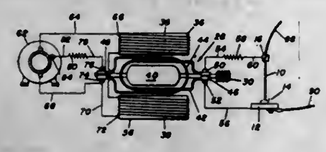
formed in opposite ends of said members for establishing an electrical circuit through said device, connectors projecting into said internal connecting means, and screw means extending through and wholly confined within one of said members and engaging said connectors for securing said connectors in interlocked relations.

2,469,381
HANDWHEEL LOAD MEASURING DEVICE
Andrew J. Galko, Aberdeen, Md.
Application August 2, 1945, Serial No. 608,581
3 Claims. (Cl. 73—133)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



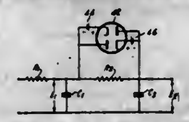
1. In a device for measuring the tangential force necessary to rotate a handwheel, an elongated strip having a width greater than the maximum axial dimension of the rim of said handwheel and a length sufficient to provide overlapping ends when positioned about the periphery of said handwheel to form a drum, means to secure said ends together, means to secure said strip to said handwheel, a pull rope wound about said drum and having one end secured thereto, the other end of said rope being adapted for attachment to the tension responsive element of a scale, the frame of said scale having means for applying tension to said rope to thereby unwind the same and cause said scale to indicate the tension in said rope.

2,469,382
WELDING EQUIPMENT
Charles T. Gayley, Lansdowne, Pa.
Application November 20, 1946, Serial No. 711,079
4 Claims. (Cl. 219—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



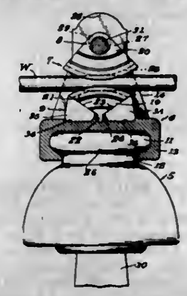
1. Welding apparatus comprising means for holding an electrode, and means including an electric motor for moving said holding means relative to the weld, said electric motor having a field winding adapted for excitation from a source of constant voltage, said electric motor also having a pair of opposed armature windings, one of said armature windings being adapted for excitation from a source of constant and adjustable voltage, the other of said armature windings being adapted for excitation by the voltage across the welding arc.

2,469,383
METHOD AND APPARATUS FOR REMOVING RANDOM FLUCTUATIONS FROM INTENSITY MEASUREMENTS
Clifford Jesse Gibbs, Houston, Tex., and James Henry Stein, Garden City, N. Y., assignors to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
Application March 4, 1944, Serial No. 525,050
13 Claims. (Cl. 250—83.6)



1. In a process for continuously indicating a voltage the average value of which varies and is superimposed by random fluctuations and in which said voltage is impressed upon a resistance and a capacitance connected in series so that random fluctuations will be smoothed out, the product of said resistance and capacitance determining the time constant of the smoothing circuit, the method of adjusting said time constant so that said voltage changes will be indicated without being affected by the smoothing action of the resistance-capacitance circuit which comprises lowering the effective value of the product of said resistance and capacitance upon the occurrence of a change in the average value of said voltage.

2,469,384
INSULATOR FOR LINE WIRES
James L. Grupen, San Gabriel, Calif.
Application January 25, 1947, Serial No. 724,335
13 Claims. (Cl. 174—169)

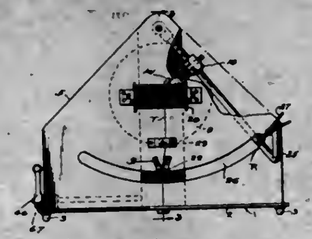


1. An insulator for a line wire comprising a dielectric member, a metallic extension thereon and formed with a bifurcating slot, opposed arcuate wedges in said slot, said wedges having coacting faces, and a shaft having an eccentric bearing for one wedge member, whereby one wedge may be moved toward and from the other by rotation of said shaft.

2,469,385
RAZOR BLADE TESTING DEVICE
Eugene D. Hallock, Snyder, N. Y.
Application April 6, 1945, Serial No. 586,999
11 Claims. (Cl. 73—104)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

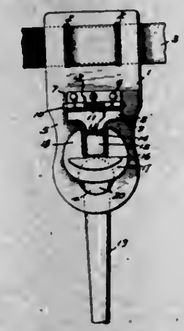
1. In an apparatus for testing the sharpness of a cutting edge, means to support the cutting edge,

an obstruction capable of being severed by the cutting edge in the path of movement of the cutting edge, means to positively drive the cut-



ting edge against the obstruction, and additional means to adjust the driving means to vary the velocity of the cutting edge supporting means.
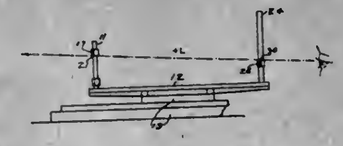
2,469,386
SPUD WRENCH HOLDER
Adolph N. Hanson, Coulee Dam, Wash.
Application January 3, 1947, Serial No. 719,977
4 Claims. (Cl. 224—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A spud wrench holder which comprises a member provided with an opening to receive the handle of a bifurcated wrench, and a wrench locking element attached to the said member adjacent the opening therein and having one portion thereof adapted to lie between the bifurcated jaws of a wrench and another portion thereof adapted to rest against the face of a bifurcated wrench end, whereby the wrench is retained against accidental displacement from the holder when the holder and wrench are in any position.

2,469,387
CONVERSION UNIT FOR FIRE FINDERS
William Heckman, Longmire, Wash., assignor to the United States of America as represented by the Secretary of the Interior
Application December 4, 1946, Serial No. 713,947
3 Claims. (Cl. 33—71)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a fire finder of the type adapted for orientation at a fixed lookout station comprising a revolubly mounted sight bearing ring, a front sight and a rear sight mounted on said ring at opposite ends of a diameter, a support within said ring for a contour map of the area assigned to the station and suitable graduations on said ring and said rear sight, the combination with a



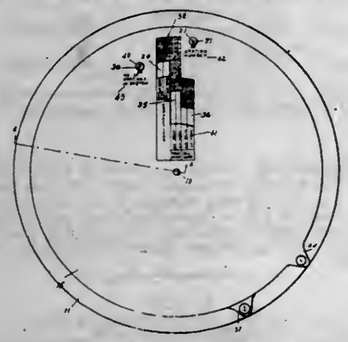
conversion unit which comprises a shutter extending laterally from said front sight and having a horizontal edge adapted to be aligned with a horizontal wire of said front sight and a companion laterally extending shutter having a horizontal edge adjustably mounted on said rear sight.

2,469,388
MULTIPLE LENS HAND TYPE OPHTHALMOSCOPE
Joseph E. Heid, New York, N. Y., assignor to American Cystoscope Makers, Inc., New York, N. Y., a corporation of New York
Application April 24, 1946, Serial No. 664,532
8 Claims. (Cl. 88—22)



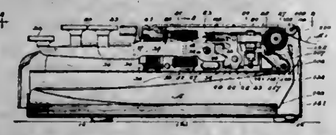
1. In an ophthalmoscope, a back plate having a sight aperture, a transparent window across said aperture, a cover plate spaced from said back plate and having a sight opening aligned with said sight aperture, a transparent window across said sight opening, a disc rotatably disposed between said plates and rotatable with respect thereto, a plurality of dioptrically different lenses carried by said disc and arranged to be brought successively into alignment with said sight opening and said sight aperture upon rotation of said disc, and means for preventing particles of foreign material in the atmosphere from passing between either of said plates and said disc and from being deposited on said lenses, said means comprising a continuous circular tongue, concentric with the axis of rotation of said disc, carried by one of said plates and registering with a groove formed in said disc and a like tongue carried by said disc and registering with a groove formed in the other of said plates.

2,469,389
INDICATOR
Karl H. Hellman, New York, N. Y., and Henry N. Schmidt, Philadelphia, Pa.
Application June 4, 1947, Serial No. 752,482
5 Claims. (Cl. 35—74)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An indicating device comprising a plurality of superimposed discs arranged for rotation relative to each other about a common axis, said device including: a data disc having groups of data inscribed thereon with each group comprising at least a pair of columns of data disposed in substantially parallel relation to a radius of the axis of rotation, an identifying data index inscribed adjacent each of the groups of data; a masking disc having a series of data openings of varied sizes and a series of index openings arranged so that any selected data opening may be brought into registration to expose at least a portion of any selected group of data under which conditions the corresponding data index identifying the selected group of data will be in registration with a selected index opening, an identifying masking index inscribed adjacent each data opening; and an inspection disc having an inspection opening arranged for registration with the selected data opening and the selected group of data, a further opening for registration with the selected index opening and the corresponding data index, and a further opening for registration with the masking index adjacent the selected data opening.

2,469,390
KEY LEVER SPACER AND GUIDE FOR STENOGRAPHIC MACHINES
Hunter E. Hooe, Chicago, Ill., assignor to Victor Adding Machine Co., Chicago, Ill., a corporation of Illinois
Application May 10, 1946, Serial No. 668,872
4 Claims. (Cl. 197—106)



1. A key lever spacer and guide for a stenographic machine having a plurality of pivotally secured key levers comprising a series of parallelly arranged rollers spaced from each other for slidably receiving a single key lever between each pair of adjacent rollers, fixed means journaling said rollers in spaced relation, and separate means limiting axial movement of said rollers to maintain the same engaged in said fixed means.

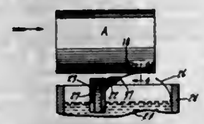
2,469,391
QUICK RELEASE DEVICE FOR PARACHUTE HARNESSES
James W. Horning, Bloomsburg, Pa.
Application July 9, 1946, Serial No. 682,243
12 Claims. (Cl. 24—205.17)



1. A quick release device for a parachute harness comprising a block formed with a pocket open along its top and at one end and having side walls formed with longitudinally extending slots and a bottom formed with a transversely extending opening, ears extending downwardly from the bottom at opposite sides of the opening, a tongue extending downwardly from the block at the front side thereof opposite space between the ears, a hook pivotally mounted between said ears and having its bill extending towards the tongue and its shank extending upwardly through the opening in the bottom of the pocket when in an operative position, a stem projecting from the block at the closed end of the pocket for engagement by a shackle of a shoulder strap of a harness, plates formed with openings for receiving the bill of the hook and suspending the plates from the hook, said plates having stems at lower ends for engagement by shackles of leg straps of a harness, a retainer having one end pivotally mounted at the open end of the pocket and of a length adapting it to be swung to a horizontal position in the pocket, said retainer having a head at its free end resting upon the bottom of the pocket when the retainer is in the horizontal position, said retainer resting upon the upper end of the shank of the hook when horizontal and preventing tilting of the hook to a position releasing the plates and the head of the retainer having a recess formed across its upper portion, a yoke having a cross bar and side bars and a head connecting the side bars and provided with a stem for engagement by the shackle of a second shoulder strap of a harness strap, said yoke fitting into the pocket and extending longitudinally therein with its cross retainer engaged in the recess of the bar and its side bars extending along opposite sides of the retainer, a bridge extending between side bars of the yoke and across the upper face of said retainer, a keeper pivoted upon said bridge and having an upstanding handle and arms projecting from opposite sides for engaging in the slots of the side walls of the pocket to hold the keeper in place when turned to a securing position, a latch carried by said body and consisting of a resilient strip disposed vertically and having a lower end secured to the block and its upper end portion bent to form a bill overlapping

the top of the block, a tooth carried by said resilient strip for passing through the slot of the front wall of the pocket and engaging an arm of the keeper to prevent turning of the keeper to a releasing position, and a lever pivoted in vertical position to the keeper with its upper portion in position to be engaged by a hand grasping the handle of the keeper and its lower end in position to engage the bill of the latch and move the latch away from the block to withdraw its tooth from the slot in the front wall of the pocket and allow turning of the keeper to a releasing position.

2,469,392
CAN SOLDERING METHOD AND APPARATUS
Lyman L. Jones and Johan B. Ystrom, Seattle, Wash., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 5, 1946, Serial No. 707,876
5 Claims. (Cl. 113—112)

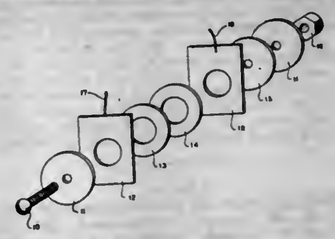


1. An apparatus for soldering the side seams of metallic can bodies, the combination of a horn for guiding can bodies horizontally with their seams at the bottom, a solder reservoir located beneath said horn for holding molten solder, means for heating the solder in said reservoir, a nozzle connected with and located in said reservoir for discharging molten solder upwardly into space and along a plane passing through the axis of said horn, feeding devices for advancing can bodies at a predetermined rate of travel along said horn and in the same general direction of said solder discharge, and projecting means located in said reservoir for forcing molten solder through said nozzle at a predetermined pressure to cause the crest of the solder trajectory to reach into and be tangent with the path of travel of the side seams of said advancing can bodies said projecting means imparting to the solder stream a velocity substantially equal to the advancement of said can bodies on said horn whereby the solder extracted from the stream of solder is deposited in the passing can body seams.

2. The method of soldering joints of metal articles, comprising in combination, the steps of providing a supply of molten solder, projecting a jet of molten solder into space from said solder supply along a uniform path, and feeding the articles into solder receiving position adjacent said solder supply by passing the joint to be soldered in the general direction of and through the trajectory of solder the trajectory being substantially tangent to the path of the seam to deposit a thread of solder in the joint.

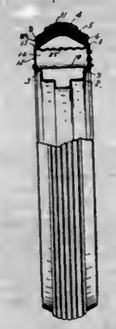
2,469,393
RECTIFIER
Irvin Levin, Asbury Park, N. J.
Application February 8, 1945, Serial No. 576,864
3 Claims. (Cl. 175—366)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of making an iron oxide-magnesium rectifier unit which comprises providing iron and magnesium discs having a thickness of the order of 5 mils, heating said iron disc at red heat for a period of time sufficient to form a layer of magnetic ferroso-ferric oxide over a surface of said iron disc, cooling said iron disc to the black color, immediately applying a clean surface of said magnesium disc in contact with said layer



of the hot iron disc, pressing said discs together and permitting the same to cool to a lower temperature and assembling the discs in the rectifier unit.

2,469,394
CUSHIONED TIRE
Hugh C. Lord, Erie, Pa.
Application October 24, 1942, Serial No. 463,207
9 Claims. (Cl. 152—327)



1. A cushioned tire comprising rigid side walls, a span of resilient material such as rubber secured between the walls and free to flex inwardly through shear of the rubber relatively to the side walls under inward thrust, and a stop surface initially spaced from the inner surface of the span and limiting the inward movement of the span subjected to inward thrust, the stop member being corrugated providing for progressive engagement of the inner surface of the tire with the member.

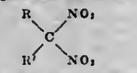
2,469,395
PRECIPITATION OF CELLULOSE TRIACETATE
Carl J. Malm and Carlton L. Crane, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 30, 1946, Serial No. 658,570
8 Claims. (Cl. 260—230)

1. A method of preparing a powder precipitate of cellulose triacetate which comprises mixing an esterification mass, which contains an acylation

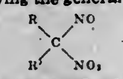
catalyst and in which the cellulose triacetate is dissolved, with a neutralizing agent for the catalyst and with 20–40% aqueous acetic acid to dilute the mass to approximately 55–65% aqueous acid, heating the solution to a temperature above 170° F., then rapidly mixing into the solution sufficient 10–30% aqueous acetic acid to bring the acid concentration of the mass down to 30–40% thereby precipitating the cellulose triacetate and forming a slurry, and within fifteen minutes cooling the slurry to a temperature below 120° F. at which the aqueous acid remains liquid and separating the cellulose triacetate particles from the liquid with which they are in contact.

2,469,396
PREPARATION OF DINITROPARAFFINS
John H. McCracken, Cumberland, Md., and George S. Crandall, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application January 29, 1946, Serial No. 644,196
6 Claims. (Cl. 260—644)

1. The method of preparation of a dinitroparaffin having the general formula:



wherein R and R' are lower alkyl groups, which comprises contacting a pseudonitrole at a temperature up to about 10° C. above its decomposition temperature with nitrogen tetroxide, said pseudonitrole having the general formula:



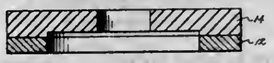
wherein R and R' are as defined above.

2,469,397
ELECTRICAL CONNECTOR
Melvin E. Mesek, Chicago, Ill.
Application November 14, 1945, Serial No. 628,627
1 Claim. (Cl. 173—328)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A connector for electrical conductors comprising a pair of male and female connector elements, each of said elements comprising a cylindrical conducting core, a conductor receiving aperture extending into one end thereof, a hard barrel squeezed about said end compressing said end to hold the conductor received within said apertured end, the other ends of said cores having, respectively, an axially aligned extending male plug and an axially aligned cooperating female socket, a sleeve tightly fitting each core from its cooperating end as far as said barrel at the other end, a plurality of angularly outwardly extending ears on said sleeve and a tubular insulating casing embracing said sleeve, said casing being provided with internal recesses corresponding in location with said ears of said sleeve to receive said ears therein and hold said casing on said sleeve.

2,469,398
ABRASIVE WHEEL AND METHOD OF MAKING THE SAME
Erwin Meyer, Detroit, Mich., assignor to Abrasive Dressing Tool Company, Detroit, Mich., a partnership composed of Jerry Krandall and Sadie Krandall
Application April 12, 1946, Serial No. 661,729
11 Claims. (Cl. 51—298)



2. The method of forming a diamond cutting wheel in a continuous process which comprises the steps of assembling a blank comprising a layer of synthetic resin powder, a layer of diamond impregnated synthetic resin powder and a layer of synthetic resin powder in that order, subjecting the blank to temperature and low pressure until the resin is semi-cured, then increasing the pressure to completely cure the resin and render the blank more dense and thereafter removing the first mentioned layer from the wheel.

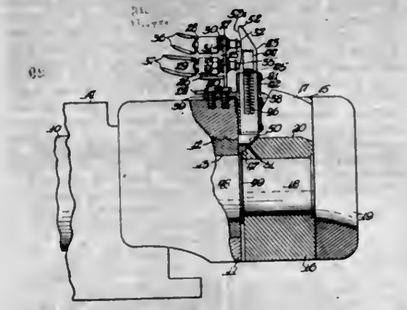
2,469,399
DISPOSABLE DISPENSING DEVICE
Charles E. Munson, Summit, N. J., assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J., a corporation of New Jersey
Application April 17, 1945, Serial No. 588,836
4 Claims. (Cl. 128—260)



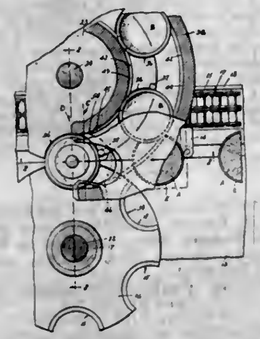
1. A liquid dispensing and measuring device comprising a tubular container provided with a cone shaped end providing an orifice, a mass of liquid absorbing material within said container, means for compressing said material against said end to discharge absorbed liquid therefrom, and a tubular deformable member interposed between the other end of said container and said compressing means and adapted to be permanently deformed upon actuation of said compressing means in discharging liquid from said absorbent material, thereby providing a positive indication that the device has been used.

2,469,400
FIRING AND LOADING SAFETY FOR AUTOMATIC GUNS
Charles Wayne Newell, Moline, Ill.
Application September 21, 1945, Serial No. 617,886
11 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

10. In a gun having breech mechanism, mounted for recoil and counter-recoil including a chamber and a breechblock mounted for opening and closing, the combination with said breech mechanism of a pair of safety devices mounted adjacent said mechaniam and fixed against recoil, and a single control member mounted on said mechanism, operatively associated with said devices and operable in response to presence or absence of a shell in said chamber for controlling one device and operable in response to opening and closing of said breechblock for controlling said other device.

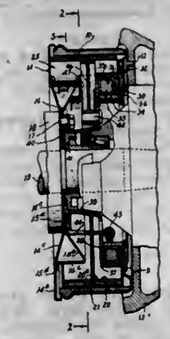


2,469,401
CAN CLOSING MACHINE
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 3, 1945, Serial No. 632,292
2 Claims. (Cl. 113—14)



1. In a can closing machine for sealing covers onto filled cans, the combination of a rotatable sealing turret having spaced peripheral pockets for receiving cans and covers for sealing, a can feed-in device for propelling filled cans along a straight line path of travel toward said sealing turret and for introducing them into said sealing turret pockets, a can cover feeding device for advancing can covers along a curved path of travel and for introducing a can cover into a sealing turret pocket in a position above a can received in said pocket, means for moving an advancing can cover out of its curved path of travel and into a straight line path of travel in alignment with the straight line path of travel of the moving cans, and means disposed adjacent the path of travel of said covers for supporting and gradually lowering the aligned advancing cover to position it on said received and pocketed can for retaining the fluid contents in the can during further movement.

2,469,402
BRAKE ANCHOR
John George Oetzel, Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill., a corporation of Illinois
Application December 7, 1944, Serial No. 567,004
3 Claims. (Cl. 188—206)



1. An anchor for a friction brake mechanism comprising a generally flat sheet metal ring, a coaxial sheet metal ring having a cylindrical outer portion abutting and rigidly secured to said first ring, an inner portion converging inwardly toward and secured to the first ring, and a sheet metal channel having its flanges out-turned and secured against said cylindrical portion, said channel projecting from said second ring parallel to the axes of the rings.

2,469,403
THREE AXIS ATTITUDE AND DIRECTION INDICATOR
Joseph B. Parker, Jr., Syracuse, N. Y.
Application June 5, 1946, Serial No. 674,407
9 Claims. (Cl. 33—204)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A directional horizon or three axis indicator for aircraft comprising; an instrument case having an indexed window opening; a gimbal shaft longitudinally rotatably mounted within the instrument case with the axis of rotation passing centrally through the said window opening; a gimbal ring, having parallel trunnions on the inner periphery, centrally supported on the said gimbal shaft with the diametrical axes normal to the said gimbal shaft axis of rotation; an attitude sphere rotatably mounted on the trunnions with its axis perpendicular to and in the plane of the axis of the said gimbal shaft; a transparent truncated hollow directional sphere disposed over the said attitude sphere and rotatably supported by the said gimbal ring on an axis perpendicular to the axes of the said gimbal shaft and the said attitude sphere, the directional sphere axis being in the plane of the attitude sphere axis; reference indices on the spheres for

determining the attitude and directional references by observing the relation of the spheres with each other and with the index of the window opening; and means for stabilizing in a predetermined oriented position the gimbal ring on the said gimbal shaft axis, the said attitude sphere and the said directional sphere.

2,469,404

POLYACETAL POLYSULFIDE POLYMERS

Joseph C. Patrick, Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J., a corporation of Delaware

No Drawing. Application August 29, 1944, Serial No. 551,775

4 Claims. (Cl. 260—608)

1. Process which comprises heating formaldehyde with a glycol having the general formula OH.R.SS.R.OH when R is a divalent alkylene radical condensing the formaldehyde and said glycol and obtaining a polymeric condensation product.

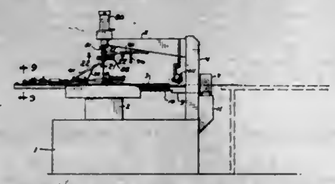
2,469,405

APPARATUS FOR BENDING TUBING INTO SERPENTINE COILS AND SWEEP MECHANISM AND STOP THEREFOR

Arthur W. Payne, Detroit, Mich., assignor to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan

Application May 14, 1947, Serial No. 748,019

14 Claims. (Cl. 153—46)



1. An apparatus for shaping stock of elongated form, such as tubing, into coils of serpentine form having a succession of reverse bends, comprising bending means alternately operable to form reverse bends in the stock, means for advancing the stock between the alternate operations, a fixed support about the bending means upon which the formed coil portions are moved in opposite directions as successive bends are made, and a sweep mechanism movable over the support and with the bending means in its alternate operations for engaging the formed coil portions as it is moved to support said coil portions against distortion.

2,469,406

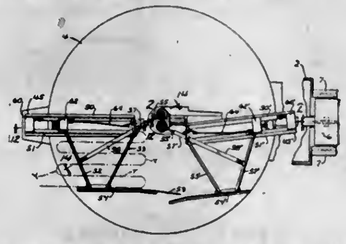
APPARATUS FOR BENDING TUBING INTO SERPENTINE COILS AND SWEEP MECHANISM AND INDEX THEREFOR

Arthur W. Payne and Arthur M. Wallace, Detroit, Mich., assignors to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan

Application May 15, 1947, Serial No. 748,312

15 Claims. (Cl. 153—46)

1. An apparatus for shaping stock of elongated form, such as tubing, into coils of serpentine form having a succession of reverse bends, comprising bending means alternately operable from a rest position in opposite directions to form reverse bends in the stock, means for advancing the stock between the alternate operations while the bending means is in the rest position, a table upon which the formed coil portions are swung, first in one direction and then the opposite direction from the position of rest as the bending means performs its alternate bending operations, a sweep structure for sweeping the table having two substantially opposite sweeps, driving means between the bending means and the sweep structure operable to swing the sweep structure in a bending operation so that one sweep supports the formed coil portions while the other sweep moves substantially to a rest position for receiving the advancing tube and coil portions, said driving means being operable for movement of the bending means back to rest position independently of movement of the sweep structure.



14. In an apparatus having mechanism operated in an oscillatory fashion, means for yieldably checking the oscillatory movements and for indexing the mechanism, comprising an oscillatory shaft, a cross arm mounted on the shaft, relatively strong spring means effective alternately upon opposite ends of the cross arm to yieldably check the oscillatory movements, a relatively light spring means, an inclined face on each end of the cross arm and means for yieldably and disengageably acting on the said inclined faces alternately under the action of the relatively light spring means when the relatively strong spring means is flexed to check the rebound of the relatively strong spring means and to index the mechanism.

2,469,407

TREATMENT OF TEXTILE MATERIALS

Donald H. Powers, Winchester, and Elmer H. Rossin, Melrose, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 1, 1945, Serial No. 632,284

14 Claims. (Cl. 117—161)

1. The method of finishing textile fabrics which comprises treating the fabric with an aqueous solution of alkylene polyamine and a salt of copolymerized styrene maleic anhydride selected from the group consisting of ammonium salts and amine salts, said polyamine being added in amounts varying between 5 and 30% on the weight of said salt, and then drying the fabric, whereby said treating agents react to form an insoluble resin on the fabric.

2,469,408

TREATMENT OF TEXTILE MATERIAL

Donald H. Powers, Winchester, and Elmer H. Rossin, Melrose, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 1, 1945, Serial No. 632,285

12 Claims. (Cl. 117—145)

1. The method of finishing textile fabrics which comprises treating the fabric with an aqueous solution of an ammonium salt of copolymerized styrene-maleic anhydride and a water-soluble alkyl ether of methylol melamine, said salt being deposited on the fabric in amounts varying from 2 to 15% by weight, said ether being added in amounts varying between 2 and 20% on the weight of said salt, and then drying the fabric, whereby said treating agents react to form an insoluble resin thereon.

2,469,409

TREATMENT OF TEXTILE MATERIALS

Donald H. Powers, Winchester, and Elmer H. Rossin, Melrose, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 1, 1945, Serial No. 632,286

14 Claims. (Cl. 117—161)

1. The method of finishing textile fabrics which comprises treating the fabric with an aqueous solution of a substance selected from the group consisting of formaldehyde and water-soluble polymers of formaldehyde and a salt of a copolymer prepared by copolymerizing a substance selected from the group consisting of styrene and substituted styrenes with a substance selected from the group consisting of maleic anhydride and partial esters of maleic anhydride, said salt being selected from the group consisting of ammonium salts and amine salts, and being deposited on the fabric in amounts varying from 2 to 15% by weight, said substance being added in amounts varying between 1 and 20% on the weight of said salt and then drying the fabric, whereby said treating agents react to form an insoluble resin on the fabric.

2,469,410

ULTRAVIOLET LAMP

Harvey C. Rentschler, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 5, 1945, Serial No. 576,256

2 Claims. (Cl. 176—122)



1. A discharge lamp comprising an envelope with a light-transmitting portion and enclosing a pair of spaced electrodes in a rare gaseous filling admixed with mercury vapor, the light-transmitting portion, at least, of said envelope being formed of ultra-violet transmitting glass known as "Vycor," consisting of approximately 96% SiO_2, 3% B_2O_3, and the balance Al_2O_3 with impurities including traces of Na_2O and As_2O_3 which does not solarize substantially during the normal life of the lamp and which has a low transmission for ozone producing radiations.

2,469,411

MECHANICAL PENCIL

Jesse J. Robbins, Glendale, Calif., assignor to Stylofede Corporation, Glendale, Calif., a corporation of California

Application November 13, 1945, Serial No. 628,063

17 Claims. (Cl. 120—17)

1. A device of the class described comprising: a housing; a bushing in said housing rigid with respect to said housing; a second housing slidable within said first housing; resilient means between said first and said second housings; a tube threaded in said second housing; said tube being slidable within said bushing; a lead receiving tube slidable within said first tube; lower clutch means adapted to releasably grip said lead, said clutch means comprising a lower sleeve having a tapered bore, and fingers comprising slidable on said lead receiving tube, said sleeve the lower extremity of said lead receiving tube; upper clutch means adapted to releasably grip



said lead, said clutch means comprising an upper sleeve slidable on said lead receiving tube, said sleeve having a tapered bore, and fingers comprising the upper extremity of said lead receiving tube; and lever means associated with said bushing, said upper sleeve and said first tube and adapted to actuate said clutches into or out of gripping engagement with said lead, there being a spring interposed between said second housing and said lower sleeve.

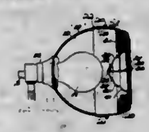
2,469,412

THERAPEUTIC LAMP

Carl B. Roebken, Washington, D. C.

Application March 29, 1945, Serial No. 585,519

2 Claims. (Cl. 128—398)



1. A therapeutic lamp including a main concavo-convex reflector having an inner concave reflecting surface, a source of light in the form of an electric lamp disposed in the reflector centrally thereof, an auxiliary reflector of substantially less diameter than the main reflector and consisting of a series of connected concentric concavo-convex reflecting surfaces of progressively increasing diameters which are superposed with the reflector surface of the largest diameter placed outwardly and the reflector surface of the smallest diameter placed inwardly and with the convex surfaces placed inwardly with respect to the main reflector supported in front of and in spaced axial alignment with the electric lamp to reflect heat and light waves or rays between the main reflector and the series of reflector surfaces thus providing the reflection of two separate and distinct light and heat waves or rays which are projected beyond the lamp into two distinctively and separately formed bands or waves of

light and heat waves or rays, one band of the light and heat waves or rays being projected to a focal area forwardly of the lamp and the other band of light and heat waves or rays being projected in an annular zone radially outwardly of the focal area.

2,469,413
PROCESS FOR PREPARING BARIUM ALUMINATE

Paul S. Roller, Hyattsville, Md., assignor to the United States of America as represented by the Secretary of the Interior

No Drawing. Application April 17, 1948, Serial No. 662,773
5 Claims. (Cl. 23—52)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of producing barium aluminate comprising the steps of mixing a small proportion of sodium carbonate as a separate component with barium sulfate and alumina, and heating said mixture at a temperature in the range of about 1200° centigrade to about 1600° centigrade.

2,469,414
CHLORATE CANDLES AS OXYGEN YIELDING COMPOSITIONS

William H. Schechter, Lawrence, Kans.

No Drawing. Application July 12, 1948, Serial No. 38,195
5 Claims. (Cl. 252—187)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. As a gaseous oxygen source, a fused chlorate candle, consisting essentially of from about 70% to about 90% by weight of an alkali metal chlorate, a minor amount of iron sufficient to maintain the decomposition of the chlorate upon ignition thereof, and in amount of inert filler approximately equal to that of the iron.

2,469,415
HYDROXYARYL ALICYCLIC CARBOXYLIC ACIDS

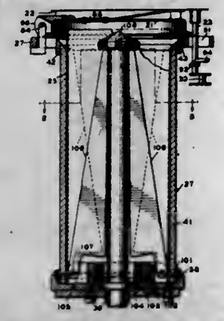
Erwin Schwenk, Montclair, N. J., and Domenick Papa, Brooklyn, N. Y., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application January 30, 1947, Serial No. 725,266
7 Claims. (Cl. 260—520)

1. Compounds of the general formula

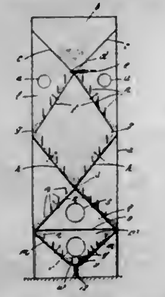
$$R-CH_1-CH-R_1$$
$$\quad\quad\quad

ning movement of said sheet supporting member and means stationary with respect to said supporting member and normally positioned in



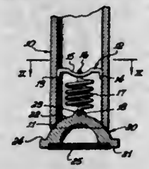
spaced relation thereto, said means being positionable by said scanning movement to secure to a sheet to said supporting member for scanning purposes.

2,469,424
MEANS FOR DRYING GRAIN
George Wood, Haselton, Cheltenham, and James Mahon, Cold Aston, Cheltenham, England
Application April 14, 1945, Serial No. 588,290
In Great Britain December 16, 1943
3 Claims. (Cl. 34—65)



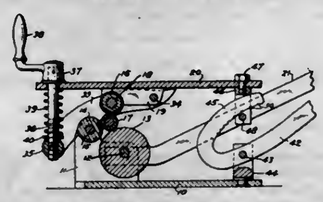
1. Means for drying grain comprising a wide hopper having a narrow slot leading from substantially its full width at its bottom, a drying chamber therebelow, and means for conveying grain delivered from said slot through said chamber in wide shallow streams while exposing the grain therein to a drying atmosphere, said means comprising a plurality of substantially flat bed plates of foraminous material arranged in said chamber in superimposed pairs with the bed plates of said pairs alternately divergent and convergent in downward direction, each bed plate having its transverse axis horizontal and its longitudinal axis inclined at an acute angle to horizontal, the bed plates of the uppermost pair being downwardly convergent and having their upper edges disposed together below and spanning the width of said slot so that they receive and convey grain therefrom upon their upper surfaces, gaps between the lower edges of the divergent bed plates and the walls of said chamber and between the adjacent lower edges of the convergent bed plates so that grain may pass down the superimposed bed plates successively to the bottom of said chamber, a multiplicity of spaced apart baffle plates disposed above and extending horizontally across each bed plate at a distance therefrom to pass a wide shallow stream of grain between each baffle plate and its bed plate, each baffle plate extending vertically to a height above the level of repose of grain adjacent thereto on its bed plate so that the grain will not cascade over the tops of said baffle plates, said chamber having an outlet for a drying atmosphere above said uppermost pair and having an inlet for such atmosphere beneath a lower pair of said bed plates so that air passed from the inlet to the outlet will flow through the bed plates therebetween, a partition extending substantially across said chamber between said lower pair and a lowermost pair of bed plates therebelow, and an outlet for a cooling atmosphere in said chamber beneath said partition so that cold air may be drawn through the lowermost bed plates and exhausted from beneath said partition.

2,469,425
SELF-ALIGNING FURNITURE FOOT
Arthur A. Andersen, Los Angeles, Calif.
Application May 13, 1946, Serial No. 669,424
7 Claims. (Cl. 45—137)



1. A self-adjusting furniture foot construction comprising: a tubular leg portion, the lower end thereof being provided with an inwardly facing virtually conical seat; an anchor member extending transversely across the interior of the tubular portion and spaced from said lower end; a foot member provided with a base and a virtually hemispherical upper surface adapted to slidably contact the seat on the lower end of the tubular portion; and spring means connected to the anchor and foot member for yieldably urging the foot member against the end of the tubular portion.

2,469,426
DEVICE FOR CRIMPING TUBULAR ARTICLES
Felix M. Anthony, Piedmont, Calif.
Application January 29, 1946, Serial No. 644,116
2 Claims. (Cl. 153—9)



1. A device for crimping tubular articles comprising a base, a driving roller and an idler roller supported relative to the base for rotation on parallel axes to support between them a tubular article to be crimped, a top plate overlying the base and said rollers, a forming roller carried by the top plate on an axis parallel to the axes of the driving and idler rollers and in a position to engage the article supported by them, means supporting the top plate comprising an arm pivoted intermediate its ends relative to the base and extending forwardly and rearwardly of all of the rollers, a pivotal connection between the forward end of said arm and the top plate, and adjustable pivotal means connecting the rearward end of the arm and the top plate for adjustment of the forming roller relative to the other rollers without substantial alteration of the relative positions of the top plate and base at their forward ends.

2,469,427
PROCESS FOR TREATING WOOD
Roy H. Baechler, Madison, Wis.; dedicated to the free use of the People in the territory of the United States
No Drawing. Application July 30, 1946, Serial No. 687,050
4 Claims. (Cl. 167—38.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A wood-preservative solution containing a soluble nickel salt, alkali metal ion, arsenic acid ion and a dichromate in such proportions that the alkali metal is approximately the chemical equivalent of the anion of the nickel salt, and the ratio of chromium to nickel is at least about 2:100 and not greater than about 60:100.

2,469,428
TANNING PRODUCT AND PROCESS
Harold C. Beachell, Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 1, 1946, Serial No. 707,343
6 Claims. (Cl. 8—94.24)

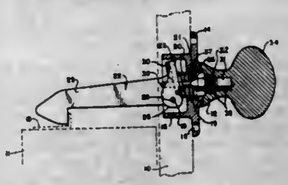
1. A tanning composition comprising an interpolymerization product of quinone and resorcinol, the molar ratio of quinone to resorcinol being from 0.6:1 to 4:1, said polymeric product having more than four six-carbon (C_6) rings per molecule, having a ratio of about two oxygen-containing groups selected from the class consisting of quinone-oxygen and hydroxyl for each six-carbon ring and being further characterized as water-soluble, amorphous, precipitated by acid, and able to precipitate gelatin; and the composition containing additionally about 25 to 150%, based upon the weight of the polymer, of a water-soluble, boron-oxygen compound selected from the group consisting of boric acid and an alkali borate.

2,469,429
ABRASIVE AND POLISHING HEAD
Arthur P. Beam and Harry Raymond Beam, Shelton, Conn.
Application October 10, 1946, Serial No. 702,408
1 Claim. (Cl. 51—197)



A supporting head for an abrasive or a polishing element, comprising a lightweight, thin resilient stamped sheet metal disk of hard aluminum alloy consisting of 4.4% copper, 0.5% manganese, 1.5% magnesium, and 93.6% aluminum, said disk having an annular working portion, and a drawn, dished center portion located within and close to said working portion, and said disk being characterized by a total lack of heat treatment after its formation; and a stub driving spindle secured to and at one end passing through the center portion of the disk, said spindle extending axially from the disk and having a shank for insertion into a drill chuck to be gripped thereby, the end of the spindle within the dished portion of the disk lying wholly below the mouth of said portion.

2,469,430
DOOR LATCH
Alfred H. Bowlser, Jr., Inglewood, Calif.
Application October 30, 1945, Serial No. 625,475
6 Claims. (Cl. 292—124)



1. A latch having a supporting disc, a latch finger, a plate supporting said latch finger and pivotally supported adjacent one edge by said disc, said plate and said disc having aligned central orifices, a spring urging the other edge of said plate away from said disc, a shaft extending loosely through said orifices, a key on the shaft end which extends through said plate, a cam ridge on the face of said plate adjacent said key extending radially from said orifice of said plate toward said other edge, and a knob on the shaft end which extends through said disc, said key and said knob being normally in contact with said plate and said disc respectively.

2,469,431
INSOLUBILIZATION OF WATER-SOLUBLE HYDROXYL-CONTAINING POLYMERIC MATERIALS
Aubrey E. Broderick, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application September 27, 1945, Serial No. 618,989
8 Claims. (Cl. 260—15)

1. Process for preparing a substantially water-insoluble, oil-impermeable product from a water-soluble cellulose ether, which comprises preparing an aqueous solution of (1) a water-soluble hydroxyl-containing cellulose ether, (2) an amide selected from the group consisting of carbamide, thiocarbamide and the triamide of cyanuric acid, and (3) formaldehyde, in the proportion of between 1 part and 24 parts of the cellulose ether to a total of around 5 parts of said amide and formaldehyde, the ratio of formaldehyde to said amide being within the range between 0.7 part and 3 parts of formaldehyde to 1 part of said amide, all parts by weight, adjusting the pH of the resultant solution to between 7.5 and 9.0, heating the solution within the range between 50° C. and 100° C. for from fifteen minutes to one hour, thereafter cooling it to a temperature of 20°–30° C., adjusting the pH of the solution to be-

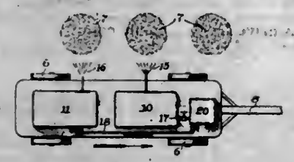
tween 4.0 and 6.75, drying the solution to remove water, and heating the dry product at between 90° C. and 200° C. for a period sufficient to render it substantially insoluble in water.

2,469,432
SUPERSPEED ELEVATED RAILWAY
Walter Cecil Cox, Englewood, Colo.
Application July 24, 1944, Serial No. 546,340
2 Claims. (Cl. 104—135)



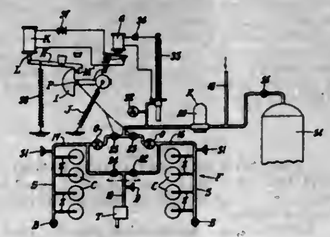
1. An elevated railway comprising: a plurality of aligned pairs of supporting posts; a pair of spaced-apart, horizontal beams supported in parallel relation by said posts; a continuous series of spaced-apart rollers extending above and aligned along each beam with their axes at right angles to the axis of said beams; a tubular, stream-lined car positioned between said beams; a horizontally extending runner member projecting from each side of said car, each runner member resting upon one of a series of rollers, said runner members being sufficiently long to cover a plurality of said rollers and being positioned in a horizontal plane substantially bisecting the vertical height of said car so that substantially one-half the car will be suspended below the plane of said rollers; a traction rail extending parallel to said beams below said car; and driving means engaging said rail to propel said car therealong.

2,469,433
METHOD OF SEQUENTIALLY DEPOSITING REACTIVE SOLUTIONS TO FORM AN INSECTICIDE
Alfred Dinsley, La Canada, Calif.
Application September 4, 1945, Serial No. 614,425
1 Claim. (Cl. 167—20)



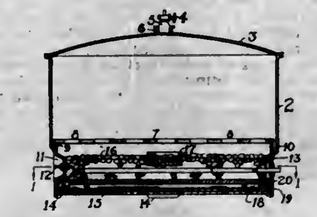
The method of applying an insecticide on vegetation which comprises sequentially depositing on said vegetation two aqueous solutions, one of sodium sulphite and the other of sodium sulphide, one of said solutions carrying an acid capable of decomposing the two solutions when admixed and one of said solutions carrying substantially 3% by weight of gelatine solution, said decomposing acid causing the composition to form a deposit of sulphur on the vegetation that is treated and the gelatine solution causing the admixed sulphite and sulphide solutions to spread evenly.

2,469,434
APPARATUS AND METHOD FOR FILLING GAS STORAGE CYLINDERS
Odd A. Hansen and George H. Smith, Kenmore, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio
Application February 1, 1943, Serial No. 474,368
10 Claims. (Cl. 62—1)



2. Apparatus for charging gas storage cylinders with oxygen in the gas phase, comprising, in combination, a liquid oxygen supply tank, a liquid oxygen pump and vaporizer connected to said supply tank, means connecting said liquid oxygen pump and vaporizer to said manifold, an adjustable regulator disposed in the connecting means between said pump, vaporizer and said manifold for closing said connection when a gas storage container connected to said manifold reaches a predetermined gas pressure, and a gaseous oxygen accumulator disposed in the connecting means between said regulator and said liquid oxygen pump for preventing an excessive rise of pressure when said regulator automatically operates to stop the flow of vaporized oxygen to said manifold.

2,469,435
REGENERABLE DESICCATOR
Abraham Adler Hirsch, New Orleans, La.
Application January 17, 1944, Serial No. 518,567
7 Claims. (Cl. 34—80)



1. A regenerable desiccator comprising a suitable vessel with a well-fitting cover thereon, a shelf for supporting objects in the dry environment provided therein, a desiccant bed located beneath said shelf, an electrical heating element under said bed for regenerating it in situ, a heat distribution plate between said bed and said element thereby supporting said bed, a cooling coil within said bed, and heat insulating material between said heating element and the bottom of said vessel, the inner wall of the vessel being provided with a groove of sufficient cross-section to retain condensate drained from said wall during regeneration of said desiccant bed.

2,469,436
CANOPY CONSTRUCTION
Carl C. King, Massapequa, N. Y., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application November 21, 1944, Serial No. 564,488
13 Claims. (Cl. 244—121)



1. In the canopy of an aircraft, the combination with a transparent body, of a skirt-plate bearing against the outer surface of said body and forming an unbroken continuation thereof, a bead upon the inner surface of the body at and adjoining and in transverse alignment with its edge, a supporting plate fixed to said skirt-plate and bent to be positioned under the outer edges of the bead and canopy and to bear against the inner surface of said bead, a clamping plate spaced from the skirt-plate and provided with a portion overlying that part of the supporting plate bearing against the inner surface of said bead, an angularly disposed flange at the inner extremity of the clamping plate extending over and bearing against the inner edge of the bead, and means for securing said clamping plate to said skirt-plate below the outer edges of the bead and the canopy.

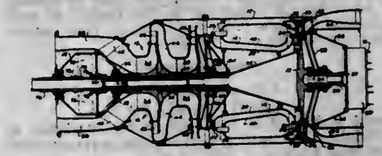
2,469,437
QUINONE-RESORCINOL TANNING AGENT AND PROCESS
Joseph S. Kirk, Newtown, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1946, Serial No. 664,428
6 Claims. (Cl. 8—94.33)

4. In a process for the tanning of skins the step comprising subjecting a skin to the action of a polymeric compound prepared by a process comprising effecting reaction of quinone with resorcinol in the presence of a solvent and an acidic polymerization catalyst, the reaction being continued until exothermic reaction is completed, the reactants then being refluxed for at least one-half hour and the polymer recovered, said polymer being a solid having at least ten six-carbon (C_6) rings, some of the six-carbon rings containing two oxygen atoms in para relation and substantially all the remaining six-carbon rings containing two oxygen atoms in meta relation, the ratio of the first-mentioned rings to the second being 1.5:1 to 2.5:1, said polymer being further characterized as water-soluble, amorphous, precipitated by acid, and able to precipitate gelatin.

2,469,438
QUINONE-RESORCINOL TANNING AGENT AND PROCESS
Joseph S. Kirk, Newtown, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1946, Serial No. 664,430
6 Claims. (Cl. 8—94.33)

3. A tanning compound comprising a reduction product of a polymer which is prepared by a process in which quinone and resorcinol are reacted in the presence of a solvent and an acidic polymerization catalyst, the reaction being continued until exothermic reaction is completed, the reactants then being refluxed for at least one-half hour, said polymer being a solid having at least ten six-carbon (C_6) rings, some of the six-carbon rings containing two oxygen atoms in para relation and substantially all the remaining six-carbon rings containing two oxygen atoms in meta relation, the ratio of the first-mentioned rings to the second being 0.6:1 to 4:1, said polymer being further characterized as water-soluble, amorphous, precipitated by acid, and able to precipitate gelatin.

2,469,439
GAS TURBINE
Wilton G. Lundquist, Hohokus, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application November 24, 1944, Serial No. 565,019
1 Claim. (Cl. 60—41)

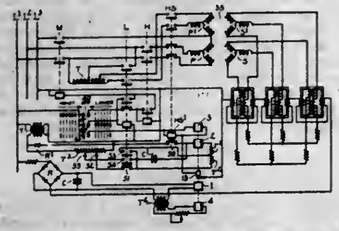


A gas turbine power plant for aircraft, said power plant comprising an air compressor having an annular intake duct, a turbine rotor adapted to be driven by the turbine motive fluid and drivably connected to said compressor, a speed reduction transmission unit for an aircraft propeller shaft, said transmission unit having a drive shaft adapted to be drivably connected with either end of said turbine rotor, a housing for said transmission unit, an auxiliary drive unit providing a drive for auxiliary power plant equipment, said auxiliary unit having a drive shaft also adapted to be drivably connected with either end of said turbine rotor, a housing for said auxiliary drive unit, means providing a mounting surface surrounded by the inner wall of said annular duct for supporting either of said housings with its drive shaft drivably connected to the adjacent rotor end, and means providing a similar mounting surface adjacent the other end of the turbine rotor for supporting the other of said housings with its drive shaft drivably connected to the adjacent end of said rotor.

2,469,440
DYNAMOELECTRIC MACHINE CONTROLLER
Eric Pell, Shorewood, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application December 28, 1945, Serial No. 637,658
8 Claims. (Cl. 318—195)

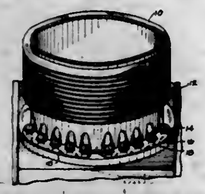
8. In combination, a multi speed alternating current motor for load hoisting and lowering, means to effect establishment selectively of hoisting and lowering connections and of low speed and high speed connections for said motor, and a load relay for control of said means, said relay having electroresponsive operating means rendering it responsive in both hoisting and lowering under given conditions of motor current and also having means to block its operation under certain of said given conditions but so functioning for temporary periods only and said relay addi-

tionally having means to block its release under predetermined conditions but for transient periods only, the first mentioned blocking means being effective only upon establishment of high speed connections and having a magnetic pull characteristic substantially matching that of said



operating means under normal accelerating conditions and the second mentioned blocking means being responsive as a function of rate of change of an electrical condition in the circuit of said motor to operate only under given load conditions in lowering.

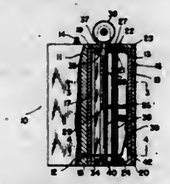
2,469,441
LOCKING PLATE
Joseph S. Pitisci, Miami Springs, Fla., assignor to Wright Aeronautical Corporation, a corporation of New York
Application March 6, 1945, Serial No. 581,224
5 Claims. (Cl. 151—54)



2. The method of securing, against rotation, a plurality of fixedly-spaced pre-tightened polygonal nuts or the like by means of a plate having a plurality of holes with a spacing similar to that of said nuts, each of said holes having a periphery geometrically dissimilar from that of said nuts such that said plate cannot be fitted over said nuts without deforming the periphery of said holes; said method comprising the steps of placing said plate over said pre-tightened nuts with said holes disposed in alinement with said nuts, and then deforming the periphery geometrically of each of said holes at, at least, one corner of one of said nuts by forcing said plate over said nuts.

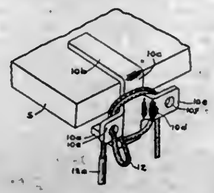
2,469,442
CIGARETTE LIGHTER
Samuel Rein, Hempstead, and Seymour Tesler, New York, N. Y.
Application May 23, 1946, Serial No. 671,783
2 Claims. (Cl. 67—7.1)

2. In combination with a cigarette lighter housing having an opening through the top and having an igniter wheel mounted over said opening, said housing having a partition therein dividing the interior into two compartments, one of said compartments being positioned under said opening and having the lower end thereof open, a frame insertible into said one compartment and having an upright screw rotatably mounted therein, a carriage threadably mounted on said screw, a tubular housing mounted adjacent and parallel with said screw and having a longitudinal slot through the wall thereof, said carriage having an extension extending through said slot into said tubular housing and being adapted to have a rod of flint mounted in said tubular housing and supported on said extension, said tubular housing being so positioned in said frame that when said frame registers in said one compartment said tubular housing lies in alignment with said opening, means for releasably locking said



frame in said compartment, one wall of said compartment having a recess cut thereinto, a spring having one end mounted on the opposite wall of said frame and being deformed normally to urge the other end thereof into said recess, that portion of said spring intermediate said ends thereof extending past and adjacent said screw in the path of said carriage whereby movement of said carriage in one direction releases said spring to permit said other end thereof to enter said recess as aforesaid and movement of said carriage in the opposite direction causes said carriage to withdraw said other end of said spring out of said recess.

2,469,443
ANCHOR LINE OR STRINGER HOLDER
Lambert Reiter, Minneapolis, Minn.
Application May 11, 1945, Serial No. 593,297
3 Claims. (Cl. 114—218)



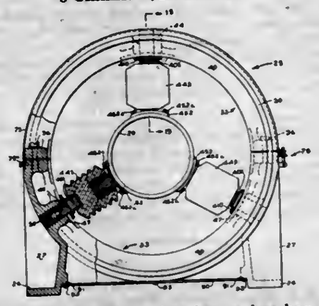
1. A device for holding an anchor line or fish stringer on a boat comprising a member having parallel sides connected at one end by a bight portion, a clamping screw threaded in one of the sides of said member adapted to clamp a boat seat or side engaged by the other side of said member with said bight portion extending vertically, and a holding portion rigid with the bight portion of said member extending horizontally transversely thereof and having its central portion in the same plane as said bight portion and having its end portions offset from the plane of said bight portion whereby an anchor line or stringer may be wound about said holding portion above said bight portion and held in place thereby.

2,469,444
MAGNETIC SOUND RECORDING AND REPRODUCING TRANSDUCER
Henry E. Roys, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1945, Serial No. 591,071
1 Claim. (Cl. 179—100.2)



A transducer unit for magnetic-wire records said unit comprising a cup-shape receptacle constituted of non-magnetic material and provided with a slot across which said record is adapted to travel, a core constituted of a ribbon of magnetic material mounted within said cup and bent in the form of a loop with the terminals of the ribbon bent outwardly and seated in said slot with the ends thereof adjacent to the path of said record, a non-magnetic element mounted within said slot between said terminals for maintaining said terminals in spaced relation, and a coil wound upon the loop portion of said ribbon within said receptacle.

2,469,445
BUS BAR HOUSING
William M. Scott, Jr., Bryn Mawr, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 25, 1944, Serial No. 528,051
8 Claims. (Cl. 174—99)

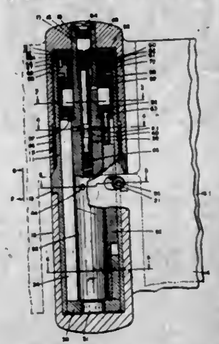


8. In combination, a bus bar, a bus bar housing comprising a continuous integral tubular bus bar enclosure; a pair of metallic supporting members, each forming only a part of a complete ring and being joined together to form a ring and having flanges for supporting said enclosure, means for supporting said bus bar along the axis of said enclosure; said last mentioned means comprising a plurality of insulator supporting members angularly spaced from each other and supported on said ring; insulators supported thereby, each of said insulators engaging said bus bar and spacing it from the ring, each insulator having a universally pivotal mounting at the end engaging the bus bar and an arcuately shaped member at the other end curved on an arc having the pivoting point of said universally pivotal mounting as a center; said universally pivotal mounting comprising a socket member facing said bus bar, and a frustrum-conical member secured to said bus bar and pivoted in said socket.

2,469,446
MIXED ESTERS OF FATTY ACIDS
Frank A. Strauss, New Brighton, Staten Island, N. Y., assignor to E. F. Drew & Co., Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 8, 1944, Serial No. 548,626
5 Claims. (Cl. 260—410.6)

1. A composition of matter consisting of the substantially neutral mixed esters of a fully esterified polyalkylene glycol taken from the class consisting of ethylene and propylene glycols with a mixture of fatty acids consisting essentially of caprylic and capric acids, the relative proportions of caprylic to capric acid being 62–97% of caprylic to 32–3% of capric, the remainder of said acids being lauric and caproic in total amount not over 10%.

2,469,447
ADJUSTING MEANS FOR CARTRIDGE TYPE DOOR CONTROL HINGES
Alfred J. Swanson, Hollywood, Calif.
Application December 7, 1946, Serial No. 714,704
8 Claims. (Cl. 16—54)

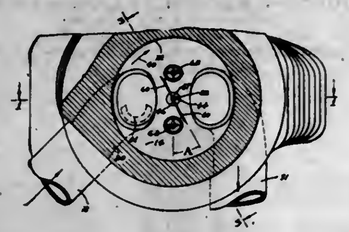


1. A hinge mechanism comprising a pair of leaves adapted for attachment to a closure and to a closure mounting frame; a cartridge having a cylindrical housing and a concentric shaft extension protruding from the upper end of said cartridge housing and containing hydraulic checking means adapted to control the relative rotary movement of said shaft extension and said cartridge housing; a hollow upper part-casing extending from the edge of one leaf, adapted to fit over and turn on the upper portion of said cartridge housing, and to non-rotatably engage said shaft extension; a hollow lower part-casing extending from the edge of the other leaf, adapted to fit over the lower portion of said cartridge housing; and gear means on said cartridge housing cooperating with gear means on said lower part-casing adapted for adjusting and holding the relative angular positions of said cartridge housing and said lower part-casing.

2,469,448
INTERNAL-COMBUSTION ENGINE
Everett M. Barber, Wappingers Falls, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 21, 1945, Serial No. 600,755
4 Claims. (Cl. 123—32)

1. In the operation of an internal combustion engine having a power cylinder with a cylinder

head and a piston providing a substantially hemispherical combustion space, the method which comprises introducing air into said cylinder in a manner to produce a high velocity air swirl therein about the longitudinal axis of said cylinder, compressing said air within said combustion space while maintaining the said high velocity air swirl and also inducing an additional swirl of the compressed air in planes at substantially right angles to the first mentioned air swirl, thereby resulting in a spiral movement of said compressed air about the hemispherical combustion space toward the latter part of the compression stroke of said piston, simultaneously injecting into the spirally swirling compressed air within said combustion space at least two substantially equally spaced jets of fuel, said jets being directed from a locus of injection at substantially the top center of said combustion space radially



across the upper portion of the spirally swirling air, promptly spark igniting each of said jets at points located in the upper portion of said combustion space adjacent said locus of injection and substantially removed from the periphery of said cylinder and slightly on the air downstream side of each jet, thereby igniting each jet approximately as soon as localized combustible fuel vapor-air mixture is formed from the first increment of injected fuel from each jet to establish a plurality of flame fronts moving at high velocity counter to the respective localized swirling mixtures, and continuing the injection of fuel by said plurality of jets immediately in advance of said flame fronts in their direction of movement, thereby progressively forming a plurality of localized combustible fuel vapor-air mixtures which are ignited by the said flame fronts and burned substantially as rapidly as formed.

2,469,449

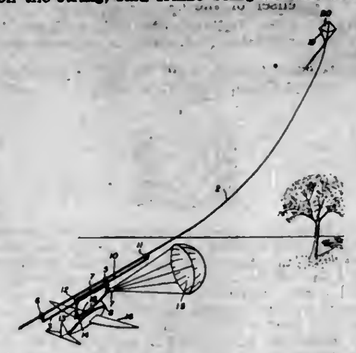
ARTICLE CARRIER FOR KITE STRINGS

Thurman L. Baskin, Jr., Zion, Ill.

Application March 7, 1947, Serial No. 733,164

2 Claims. (Cl. 244—155)

1. An article carrier for use on a kite string to be slid up the string by wind acting against the article, said carrier comprising a rod-like carriage frame having a pair of front and rear end suspension hooks thereon adapted to slidably engage said string said frame having a pair of guide eyes formed thereon intermediate said hooks, a drop rod pivoted at one end to said frame to swing upwardly and downwardly thereon and adapted for the attachment of the article thereto to slide off the rod when the same swings downwardly, and a member on said frame for engaging and latching said rod in upswung position, said member being slidable in said guide eyes to engage and latch said rod and adapted for engagement with an abutment in the line of said string by sliding of said frame upwardly on the string, said frame being slidable relative



to said member to cause the member to disengage and unlatch said rod.

2,469,450

PROCESS FOR INHIBITING FOAMING IN STEAM BOILERS

Paul G. Bird and Arthur L. Jacoby, Western Springs, Ill., assignors to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application September 19, 1942, Serial No. 459,012

4 Claims. (Cl. 252—321)

1. The method of generating steam which comprises boiling, under superatmospheric pressure conditions, water containing an amount of total dissolved solids, tending to produce foaming and priming, and a quantity of an N,N'-disubstituted diamide of an organic dibasic acid which is a condensation product of about two moles of an amine selected from the group consisting of primary and secondary aliphatic amines with about one mole of an organic aliphatic dibasic acid having 6 to 10 carbon atoms, the total number of carbon atoms in said condensation product being at least 34 and said quantity being sufficient to substantially inhibit said foaming and priming.

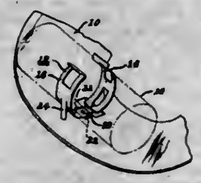
2,469,451

CONDENSER BRACKET

Paul B. Burrus, Dayton, Ohio, assignor, by mesne assignments, to Worthington Pump and Machinery Corporation

Application July 10, 1947, Serial No. 759,971

3 Claims. (Cl. 248—361)



1. Mounting means for a condenser or the like, comprising in combination, a stamped sheet metal base member having a substantially T-shaped slot and having a pair of apertures spaced above and below said slot, and a stamped sheet metal strap member having opposed jaws adapted to grip a condenser or the like, said opposed jaws being joined by an offset portion adapted to be inserted through the upper portion of said T-shaped slot and slidable into the lower portion of said slot, said offset portion including projecting means for gripping the underside of said base member when said offset portion is moved into the lower portion of said slot, said strap member also having a pair of tongues projecting from opposite sides of said jaws and extending into said apertures for holding said strap member in place on said base.

2,469,452

PRODUCTION OF VISCOUS AQUEOUS ALKALINE SOLUTIONS OF VEGETABLE GLOBULINS

Walter Anderson Caldwell, West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application March 22, 1946, Serial No. 656,533. In Great Britain March 23, 1945

6 Claims. (Cl. 106—154)

1. A process for the manufacture of viscous solutions that exhibit relatively low variability in viscosity between separate batches and relatively low surface gelation propensity comprising vegetable globulins dissolved in dilute aqueous solutions of alkali metal hydroxide suitable for use in the manufacture of filamentary products by extrusion from an orifice into a coagulating bath after maturation sufficient to obtain a spinnable viscosity which comprises including in an unmatured solution of vegetable globulins dissolved in an aqueous solution of alkali metal hydroxide which with time would develop surface gelation, between about 0.5 and 1% of a sulfite ion containing material from the group consisting of alkali metal sulfites and alkali metal bisulfites and permitting the resulting aqueous alkaline solution to attain a desired viscosity.

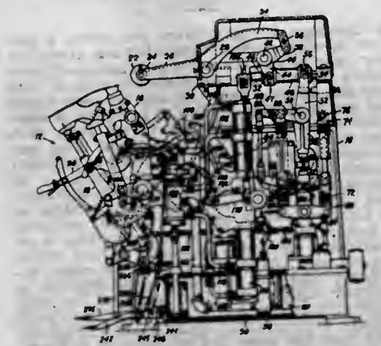
2,469,453

MACHINE FOR OPERATING ON SHOES

George H. Collins, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application February 11, 1948, Serial No. 7,611

18 Claims. (Cl. 12—34)



3. In a machine for operating on work pieces, a work support, a tool, means mounting said work support for movement relatively to said tool, means mounting said tool for movement relatively to said work support, power-operated means for thus moving said work support and said tool, a control member movable by the operator along two angularly related paths, means operated in response to movement of the control member along one path for controlling said power-operated means to move the work support, and means operated in response to movement of the control member along another path for controlling said power-operated means to move the tool.

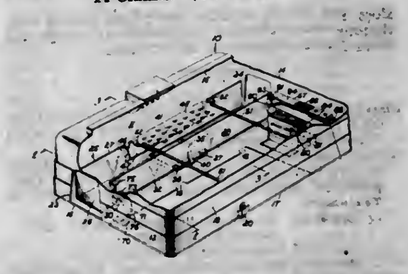
2,469,454

ANIMAL TRAP

Chester W. Crumrine, Irondequoit Township, Monroe County, N. Y., assignor, by mesne assignments, to L F C Corporation, Rochester, N. Y., a corporation of New York

Application March 26, 1946, Serial No. 657,129

14 Claims. (Cl. 43—99)



13. An animal trap comprising a casing and means defining a continuous animal passageway therethrough, means movable upon actuation of the trap to clamp an animal body in said passage defining means, said passage defining means and said last-mentioned means comprising spaced opposed electrodes of an electrocuting circuit, means mounting said passage defining means for pivotal movement about a longitudinal axis adjacent one side of said passageway, an animal disposal zone at said side of said passageway, and means for quickly rotating said passage defining means about said axis to throw the animal body to said disposal zone.

2,469,455

COLUMN FRAME

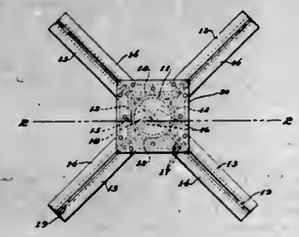
John Stanley Donahue, Brookline, Mass., and George E. Strehan, Leonia, N. J.; said Strehan assignor to said Donahue

Application June 13, 1946, Serial No. 676,480

3 Claims. (Cl. 189—42)

2. A structural frame of the character described, comprising a column having a hollow casing and a plastic core, the top of the casing having two pairs of diametrically opposed slots, a plurality of frame members having intermediate web portions engaging and surrounding the casing, at least some of said members having integral, outwardly extending arms on opposite sides of their respective web portions, the contiguous arms of adjacent members being disposed in spaced parallel relation, a pair of connecting plates passing through the column core and through said slots and extending between said contiguous arms, the plates being welded to the casing, said connecting plates having comple-

mental slots so that they interfit at their intersection at the center of the column, and said plates being welded to the casing at said casing



slots, and means securing the plates to said contiguous arms, thereby to provide an integrated head-frame at the top of the column.

2,469,456

PROCESS FOR PRODUCING AN ANTIGEN FOR USE IN THE DIAGNOSIS OF MALARIA AND PRODUCT THEREOF

Anna Dean Dulaney, Memphis, Tenn., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn., a corporation of Tennessee

No Drawing. Application September 17, 1945, Serial No. 616,959

5 Claims. (Cl. 167—78)

1. The process of preparing an antigen for complement fixation tests for malaria from parasitized animal blood which consists in laking the blood cells, grinding the parasite mass in M/10 phosphate buffer solution of pH 7.8–8.0, allowing the mixture to stand for approximately one hour with frequent agitation and separating the antigen.

2,469,457

PROCESS FOR PRODUCING AN ANTIGEN FOR USE IN THE DIAGNOSIS OF MALARIA AND PRODUCT THEREOF

Anna Dean Dulaney, Memphis, Tenn., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn., a corporation of Tennessee

No Drawing. Original application September 17, 1945, Serial No. 616,959. Divided and this application December 10, 1948, Serial No. 64,696

5 Claims. (Cl. 167—78)

5. An antigen for complement fixation tests for malaria consisting of the extract in N/10 barbiturate buffer solution of pH 8.5 of the parasites from the blood of an animal infected with *Plasmodium knowlesi*.

2,469,458

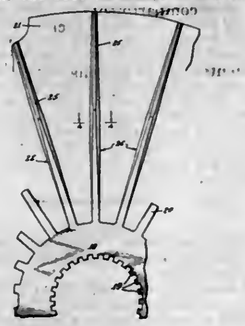
BLADE FORM FOR SUPERCHARGER IMPELLERS

Norman A. Dunnells, Manchester, and Robert E. Gorton, East Hartford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application September 24, 1945, Serial No. 618,300

5 Claims. (Cl. 230—134)

1. A supercharger impeller having blades formed with a substantially uniform thickness at their open edges and with a root thickness which is variable as a function of the blade height in that the root thickness is less at portions of lesser height and greater at portions of greater height.



2,469,459

GAS BLAST CIRCUIT BREAKER

Ernst Eichenberger, Wettingen, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company

Application May 13, 1947, Serial No. 747,703

In Switzerland April 23, 1946

3 Claims. (Cl. 200—148)



1. Gas blast circuit breaker comprising a pair of arc blowing chambers mounted one above the other, each of said chambers including partitions dividing the chamber longitudinally into at least three side-by-side compartments through which blast gas is adapted to flow, a plurality of electrodes in each compartment spaced from each other in the direction of flow of the blast gas, correspondingly positioned electrodes in adjacent compartments being connected electrically in pairs to form successive climbing points of attachment for the center and two outer portions of the arc loop, switch contacts disposed adjacent the bottom open end of the lower chamber, a set of auxiliary electrodes connected to said switch contacts, said auxiliary electrodes extending respectively into the two outer compartments of the lower chamber to catch and hold the roots of the arc loop formed upon opening of said switch contacts, a gas exhaust outlet leading to atmosphere from the upper end of the outer two compartments of the lower chamber, a second set of auxiliary electrodes connected to conductive grids located respectively at the upper ends of the outer two compartments of the lower chamber and which extend into the bottom open ends of the two outer compartments of the upper chamber and a gas passageway placing the center compartment of the lower chamber in communication with the bottom open ends of the three compartments of the upper chamber.

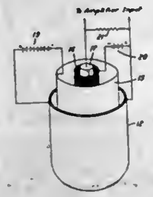
2,469,460

RADIOACTIVITY MEASUREMENT

Robert E. Fearon, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application April 12, 1945, Serial No. 588,022

9 Claims. (Cl. 250—83.6)



1. A method of indicating the energies associated with gamma ray quanta which comprises absorbing a plurality of said quanta in a dense gaseous atmosphere, whereby equal numbers of positive ions and free electrons are formed, separating said electrons from said ions, producing only from said separated electrons a plurality of electrical signals each proportional in amplitude to the number of said electrons freed in the absorption of one of said quanta, said positive ions being prevented from producing corresponding signals, and exposing said signals for observation.

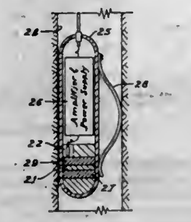
2,469,461

GAMMA-RAY LOGGING

William L. Russell, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application January 4, 1946, Serial No. 636,996

8 Claims. (Cl. 250—83.3)



1. The method of gamma ray well logging comprising the steps of passing through a well a source and a detector of gamma rays, said source and detector being substantially in contact with each other, maintaining said source and detector substantially in contact with the formations exposed by said well, and indicating the response of said detector as a function of depth in said well.

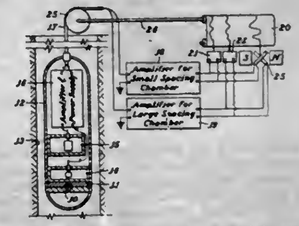
2,469,462

NEUTRON WELL LOGGING

William L. Russell, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application January 18, 1946, Serial No. 641,920

6 Claims. (Cl. 250—83.3)



1. The method of well logging which comprises the steps of irradiating the formations of a well with fast neutrons from a concentrated source thereof, measuring at a plurality of distances from said source the gamma rays of capture of said neutrons after they have been slowed down by passage through said formations, one of said distances being that at which changes in formation hydrogen content produce substantially no change in slow neutron concentration, and indicating as a function of depth in said well the magnitudes of the measurements at said distances.

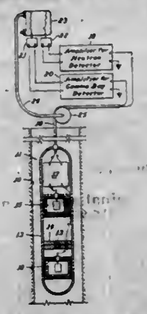
2,469,463

NEUTRON LOGGING OF WELLS

William L. Russell, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application January 18, 1946, Serial No. 641,921

3 Claims. (Cl. 250—83.6)



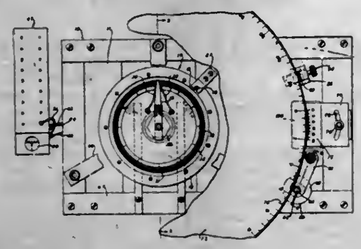
1. Apparatus for logging wells comprising a source of neutrons and two detectors of gamma rays spaced therefrom and adapted to be passed through a well, one of said detectors being surrounded by a shield containing boron and spaced from said source at a distance where variations in the hydrogen content of the formations of said well produce substantially no change in slow neutron density, the other of said detectors being lined with a substance having a large capture cross section for slow neutrons and in which captures are accompanied by the emission of ionizing radiations, and means for indicating as functions of depth in said well the responses of said detectors.

2,469,464
SASH HOLDER
Alexander F. Gratkowski, Scranton, Pa.
Application June 14, 1948, Serial No. 32,774
4 Claims. (Cl. 292—75)



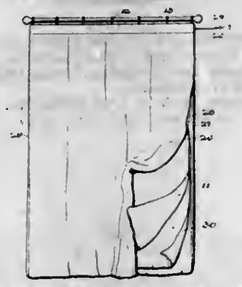
1. A roller unit for cooperation between a pair of adjacent relatively slidable surfaces, comprising a resilient roller, a metal shaft carrying the roller, a yoke, bearings on the yoke for said shaft and a pin extending from said yoke, a cylindrical casing, a centrally perforated cap screw at one end of said casing, an internally threaded collar having a flange plate at one end with a central substantially square opening and countersunk screw holes for mounting the unit flush in one of said pair of adjacent relatively slidable surfaces, said casing being threaded into said collar and having slots in its threaded portion for the ends of said shaft to guide the roller through said opening, and a coil spring around said pin, pressed between said yoke and said cap screw, the perforation in said cap screw serving as a guide for the outer end of said pin.

2,469,465
APPARATUS FOR TESTING ADJUSTABLE RESISTANCES
James O. Hamilton, Dundalk, and Leon J. Rozankowski, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 20, 1945, Serial No. 606,216
8 Claims. (Cl. 175—183)



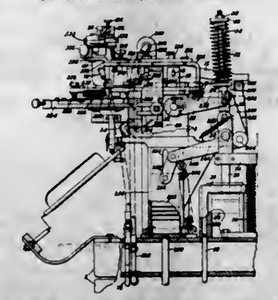
1. A fixture for testing potentiometers, which comprises a support, a plurality of contactors positioned on the support, a bracket having a notch formed therein and mounted in a predetermined position with respect to the support for receiving in said notch an element secured to a base of a potentiometer, and a chuck having a socket formed therein for receiving a second element secured to the base of the potentiometer, said chuck being mounted for sliding movement over such a point on the support that the bracket and the chuck hold the potentiometer on the support in a position in which a plurality of terminal posts projecting from the base of the potentiometer are in contact with the contactors.

2,469,466
HEATER
Levic Pierce Herrington, Hamden, Conn., assignor, by mesne assignments, to Electric Heat Devices, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application January 15, 1948, Serial No. 2,478
3 Claims. (Cl. 219—46)



1. In a window drape, an electrical heating element comprising a noninflammable flexible sheet and resistance type heating elements supported by said sheet, a flexible reflecting element mounted behind said heating element, a covering encasing said sheet and said reflecting element and window drape hanging means supporting the window drape assembly from above and adjacent to the window.

2,469,467
MACHINE FOR SHAPING UPPERS OVER LASTS
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 2, 1947, Serial No. 719,866
31 Claims. (Cl. 12—10.1)



5. In a machine for shaping uppers over lasts, grippers for gripping the margin of an upper on a last at the opposite sides of the last respectively, holddowns associated respectively with said different grippers for engaging an insole on the last, fluid-operated mechanisms initially supported directly by said holddowns for moving the grippers heightwise of the last to pull the upper each by a purchase on the bottom of the shoe through the holddown associated therewith, overlaying means movable to lay the margin of the upper inwardly over the insole at the opposite sides of the last upon release of the upper by the grippers, supports for said holddowns connected to them

independently of said fluid-operated mechanisms, and means for automatically moving the holddowns heightwise of the last away from the insole by engagement with said holddown supports immediately upon the release of the upper by the grippers.

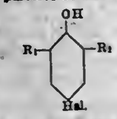
2,469,468
ELECTRIC HEATING AND DRYING DEVICE FOR FOOTWEAR
Frank M. Judd, Bellingham, Wash.
Application May 2, 1947, Serial No. 745,536
1 Claim. (Cl. 219—19)



A heating and drying device for foot wear comprising, an electric coil, an asbestos cloth enclosing the electric coil and insulating the convolutions thereof from one another, a cloth covering said asbestos cloth, a rheostat connected to the coil, an elongated water repellant jacket removably enclosing the aforesaid elements and having an elongated opening in one side thereof with its opposite ends extending inwardly toward the opposite side of the jacket, a zipper fastener closing said opening in the jacket, and an electric circuit connected to the coil.

2,469,469
OXIDATION INHIBITORS
Herman D. Kluge, Wappingers Falls, and Edwin C. Knowles, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application June 18, 1946, Serial No. 677,520
4 Claims. (Cl. 252—54)

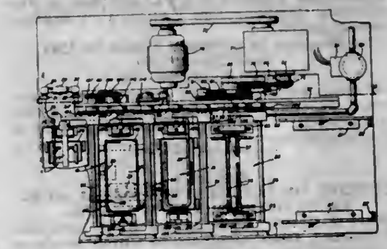
1. A lubricant comprising a mineral lubricating oil normally subject to oxidation having incorporated therein about 0.01–3.0% by weight of a tri-substituted phenol of the formula



in which R_1 is a tertiary alkyl radical, Hal. is a halogen atom, and R_2 is a tertiary alkyl radical.

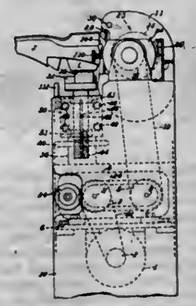
2,469,470
PLATING MACHINE
Nelson H. Mageoch, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 1, 1944, Serial No. 561,405
2 Claims. (Cl. 204—198)

1. A machine for successively electroplating groups of articles variable in number, the machine comprising an electroplating bath, like holders each formed to receive and hold a variable number of the articles from one to a given maximum number of the articles, a loading position to successively receive the holders with their articles to be plated, an electroplating bath disposed at a position spaced from the loading position, transfer elements actuable to transfer the holders from the loading position to the bath, where the articles will be positioned in the bath, and from the bath to another position spaced therefrom, mechanism operable to actuate the transfer elements to transfer the holders at given intervals of time whereby the articles held thereby will be positioned in the bath a known length of time plating circuit for directing a plating current through the articles and the bath, resistance units including electrical resistances of



known values and corresponding in number to the said maximum number of articles capable of being held by each of the said holders, means operable in synchronism with the mechanism to alternately include the resistance units in the plating circuit for the articles, of alternate holders, moved into the bath, and separate means for each resistance unit actuable, prior to its unit being included in the plating circuit, to preset its unit to include, of its resistances, a number equal to the number of articles to be positioned in the bath by its holder when the preset unit is included in the plating circuit.

2,469,471
MACHINE FOR REMOVING SHOES FROM LASTS
William D. McKeon, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 11, 1947, Serial No. 779,396
8 Claims. (Cl. 12—15.1)



4. A machine for removing a shoe from a last having, in combination, a support for said last,

a resilient member adapted frictionally to engage the rear portion of a shoe upper on said last, means including an eccentrically mounted tool rotatable to move said member into and out of operative engagement with said shoe, and means for holding said last support from being displaced by the pressure of said member during said engagement.

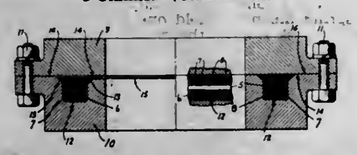
2,469,472
CATION EXCHANGE MATERIALS
Frederick C. Nachod, Haddonfield, N. J., and William Wood, Philadelphia, Pa., assignors to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application March 15, 1944, Serial No. 526,650
1 Claim. (Cl. 260—79)

A solid water insoluble organic cation exchange material comprising a sulfonated copolymer of indene with an equimolecular amount of cyclopentadiene.

2,469,473
METHOD OF LUBRICATING METAL SURFACES DURING COLD WORKING
Gilbert H. Orozco, Euclid, and John A. Henricks, Cleveland, Ohio, assignors to Gilron Products Company, Cleveland, Ohio, a partnership composed of Gilbert H. Orozco and Roland Whitbeck
No Drawing. Application August 2, 1943, Serial No. 497,117
4 Claims. (Cl. 205—21)

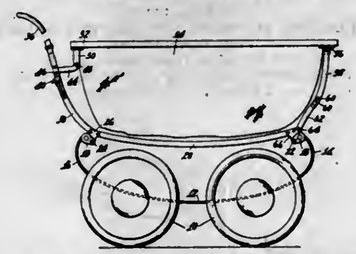
1. In the cold working of metals, the improvement comprising: stepwise lubrication of the working surface of the tool by simultaneously supplying between the work and tool dry organic low melting point lubricating-film-forming and water liberating material and a plurality of dry inorganic hydrated glass forming materials having melting points below 1000° C. and selected to provide, stepwise, a range of melting water liberating and glass fusion points all below the welding point of the metal and tool.

2,469,474
GASKET
Daniel D. Perry, Bainbridge, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application November 8, 1944, Serial No. 562,511
5 Claims. (Cl. 174—35)



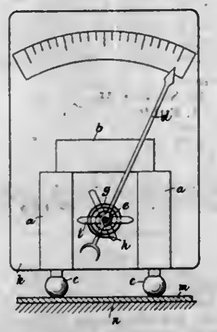
1. An electrically conductive gasket comprising an elongated core including a strip of metal and a covering of yieldable rubber-like material closely surrounding said strip, a metallic wire round in cross-section wound on said covering in the form of an open spiral, the turns of said wire being spaced from each other and partially embedded in the surface of said covering, and a thread of fibrous material wound on said covering in the form of an open spiral and directly contacting said covering, the turns of said thread being wholly disposed between the turns of said wire in non-lapping relation.

2,469,475
FOLDING CARRIAGE
John Reese and William C. Troendle, Gardner, Mass., assignors to Thayer Company, Gardner, Mass., a corporation of Massachusetts
Application June 6, 1947, Serial No. 752,882
2 Claims. (Cl. 280—36)



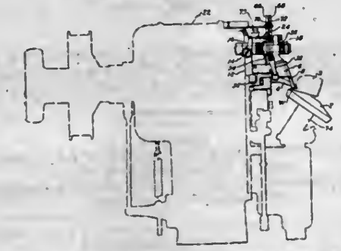
1. In a folding carriage having a body frame, wheels and longitudinal supporting spring strips, a pivoted shackle at each end of each spring strip, a cross rod mounted on the shackles at each end of the carriage, longitudinal bars mounted on the cross rods, a pusher handle pivotally mounted on the bars at one end of the carriage, a supporting folding linkage between the handle and carriage body frame, latch means to releasably hold the handle extended, a folding linkage at the other end of the carriage and supporting the same, and a releasable latch for the last named folding linkage.

2,469,476
MAGNETIC TESTING APPARATUS
John Carrington Sellars, Manchester, England, assignor to East Lancashire Chemical Company Limited, Manchester, England, a British company
Application January 13, 1948, Serial No. 1,917
2 Claims. (Cl. 175—183)
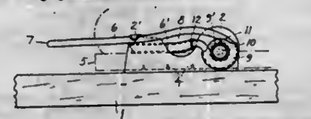


1. An instrument for measuring thicknesses of layers of non magnetic materials, and so forth, comprising a substantially U-shaped magnet having limbs consisting of separate soft iron bars and an adjustable bar magnet bridge between them, the ends of the limbs of the magnet being substantially spherical to act as test prongs, a non-magnetic base on which the magnet is mounted, a magnetic rotor pivotally mounted equidistantly between the limbs of the U-shaped magnet, a pointer secured to the magnetic rotor and spring means for restraining the motion thereof.

2,469,477
STITCH SEPARATING MACHINE
William Selwyn Robson, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 29, 1947, Serial No. 771,311
In Great Britain October 11, 1946
2 Claims. (Cl. 12—41)



2. In a shoe machine, the combination with a stitch separating tool, a holder in which said tool is mounted, a carrier, means mounting the holder on the carrier constructed and arranged to permit free relative movement of the carrier and the holder about a first axis, and means mounting the carrier for movement about a second axis, of an electrical heating unit mounted on said holder, said unit having a first end grounded, a first terminal mounted on the carrier, a second terminal secured in a fixed position, a fine, flexible, nonresilient wire constructed and arranged to conduct electricity from said first terminal to a second end of said heating unit, and a relatively heavy resilient conductor constructed and arranged to conduct electricity from said second terminal to said first terminal.

2,469,478
SKI BINDING
Otto Severin Ruud, Oslo, Norway
Application May 26, 1948, Serial No. 672,805
In Norway March 19, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 19, 1962
3 Claims. (Cl. 280—11.35)



1. In a ski binding the combination of toe irons secured to the upper side of the ski, spikes protruding from the horizontal part of said irons and adapted for introduction into holes in the lower side of the boot sole, a cap-like member having a cylindrical depression provided with a cut-away portion rotatably secured on the outer side of the respective toe iron, a bent spring wire having a medial loop arranged around said cylindrical depression of each cap-like member and having portions which are passed out through the cut-away portion thereof, one of said portions being passed to the inner side of the iron and thereafter forwardly in position above the edge portion of the sole, and the other portion extended along the outer side of the iron, said last mentioned portion having such a length that the free end thereof protrudes in front of the iron and terminates in a loop acting as a grip and means for releasably locking the last mentioned portions of the spring wire in depressed position.

2,469,479
ELECTRIC SOLDERING IRON
Albert R. Shay, Mantua, Ohio
Application May 10, 1946, Serial No. 668,709
4 Claims. (Cl. 219—28)

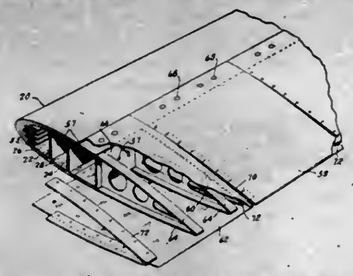


1. A soldering iron comprising a tip piece, a hollow sleeve attached thereto, a handle provided with a central bore, means for detachably attaching said sleeve to said handle, a carbon electrode axially arranged within said sleeve, and applied against said tip piece, an electrode holder and means to firmly hold said electrode on said holder, said holder extending through said sleeve and said handle, a guide sleeve open at one end and closed at the other end within the central bore of said handle, the closed end being provided with a slot through which the electrode holder passes, a disk closing the open end of the guide sleeve provided with a slot, through which the electrode holder passes, said electrode holder having thus a supported portion within the guide sleeve and a freely projecting portion within the hollow sleeve carrying the tip piece, a spring means to hold one end of said spring on the disk closing the guide sleeve, means for attaching the other end of said spring on the supported portion of the electrode holder, a terminal post on said electrode holder and means to supply said terminal post with electric current.

2,469,480
ROTOR BLADE
Igor I. Sikorsky, Bridgeport, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application October 13, 1943, Serial No. 506,058
12 Claims. (Cl. 244—134)

1. A rotor blade for a helicopter comprising a hollow metal leading edge and strength member having a center of gravity lying ahead of a point equidistant from the foremost and rearmost points of said member, means secured at one end of said member for supporting the same on a drive shaft, means secured to the other end for closing the same and forming a blade tip, and

a series of detachable trailing edge portions secured to said member, said trailing edge portions being substantially in contact with each other



at their leading edges and spaced apart at their trailing edges, whereby said blade may flex in a fore-and-aft direction.

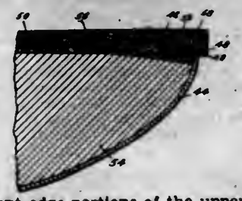
2,469,481
GARMENT HANGER
Oscar H. Snyder, San Francisco, Calif.
Application July 3, 1947, Serial No. 758,740
5 Claims. (Cl. 211—118)



5. A garment hanger including a supporting member having side edges, a pair of spaced side pieces mounted on the member and extending on opposite sides of the supporting member and each having upright front and back edges, and clamping members carried by said front and back edges of said side pieces, said side pieces each decreasing in width from top to bottom to provide inwardly offset edge portions, each carrying two of said clamps, the upright edges of said side pieces being provided with notches and the clamping members being provided with notches coacting with the first mentioned notches.

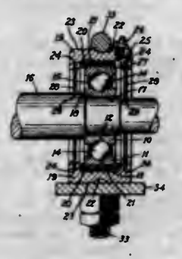
2,469,482
MANUFACTURE OF TURN SHOES
Karl A. Stritter, Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 15, 1946, Serial No. 710,064
2 Claims. (Cl. 12—142)

1. That method of making shoes which comprises providing a prefitted upper, fastening to the bottom margin of the upper an inner strip and an outer strip, turning the upper inside out, thereafter fastening to the bottom margin of the upper a flexible insole of less than last bottom area, turning the shoe so made right side out, turning the inner strip upon itself and arranging it to cover its own edge portion and



the adjacent edge portions of the upper, the insole, and the outer strip, securing said inner strip to the insole, and securing a sole to said outer strip.

2,469,483
MOUNTING FOR ANTIFRICTION BEARINGS
Basil P. Strong, Atwater, Ohio
Application January 26, 1948, Serial No. 4,405
6 Claims. (Cl. 308—184)

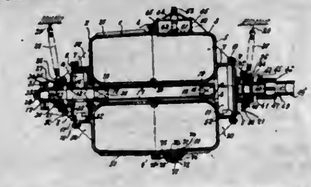


1. A mounting including inner and outer bearing rings with interposed anti-friction bearing members, a pair of substantially semi-circular housing members embracing said outer bearing ring, said housing members having circumferentially extending channels therein, flat, flexible strips located in said channels, a shaft mounted through the inner bearing ring, and means clamping said housing members together upon the outer bearing ring, said housing members having annular grooves therein on opposite sides of said channel, and end rings fitting around the shaft and extending into said grooves forming a chamber enclosing the bearing rings.

2,469,484
VIBRATOR GRINDING MILL
Gunnar Thiman, Stockholm, Sweden, assignor to Stavsborgs Aktiebolag, Stockholm, Sweden, a corporation of Sweden
Application April 19, 1945, Serial No. 589,211
In Sweden January 16, 1945
3 Claims. (Cl. 241—175)

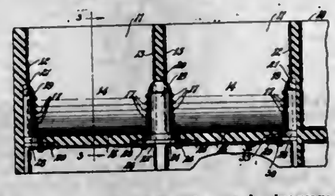
1. A vibrator grinding mill comprising in combination a cylindrical and annular container having a central channel, bearing members at each end of the container for rotatably supporting the container for rotation about its axis, means for elastically suspending the bearing members, a vibrator secured to the container at each end thereof for subjecting the container to vibration, a driving shaft connecting the vibrators through the central channel of the container,

and means for rotatably supporting the shaft in the container, the shaft at one end of the container extending through the bearing member at that end and at the free end thereof being pro-



vided with means for driving the same, and the container at the other end extending through the bearing member at that end and at the free end being provided with means for the driving of the same.

2,469,485
BILL COMPARTMENT
Galen K. Weaver, Alliance, Ohio, assignor to The McCaskey Register Company, Alliance, Ohio, a corporation of Ohio
Application November 9, 1945, Serial No. 627,626
6 Claims. (Cl. 206—73)



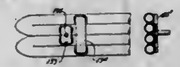
1. A bill compartment for cash drawers and the like comprising two opposed straight sided walls and two opposed walls curved toward each other at their lower ends and merging into a bottom wall so as to define a compartment of substantially U-shape and of suitable dimensions to receive bills folded into substantially U-shape, and projections upon the vertical central portions of the two opposed straight sided walls located so as to engage over opposite edges of the central portions of the folded bills.

2,469,486
GARMENT OF THE BIFURCATED NETHER TYPE
Nora B. Witter, Binghamton, N. Y.
Application October 15, 1946, Serial No. 703,380
2 Claims. (Cl. 2—234)



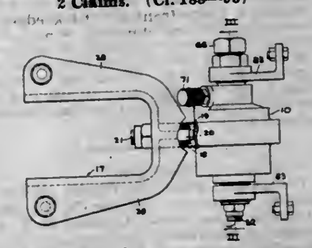
1. A bifurcated nether garment made of woven material comprising a back portion, a first front portion and a second front portion, said portions in assembly including a connecting crotch and a waistband, the first of the front portions having an edge extending from the waistband to the crotch, said edge including an upper end portion, a lower end portion and a long vertical intermediate portion, complementary end edge portions of the second front portion being attached to the upper and lower end portions respectively of said first front portion to define therebetween a fly opening one edge of which is said long vertical intermediate portion, and a triangular flap on said second front portion with its base extending between the upper and lower end edge portions and its apex overlapping said first front portion, the lower side of said flap being shorter than the upper side thereof and being attached along substantially its whole length to said first front portion.

2,469,487
TUBE SECURING MEANS FOR LOCOMOTIVE AND OTHER BOILERS
William E. Woodard, deceased, late of Forest Hills, N. Y., by Phebe H. Woodard, executrix, Forest Hills, N. Y., and Arthur H. Filander, Baltimore, Md.; said Filander assignor to Lima-Hamilton Corporation, a corporation of Virginia, and said Phebe H. Woodard assignor to Phebe H. Woodard
Application August 25, 1942, Serial No. 456,010
5 Claims. (Cl. 122—6)



3. Positioning means for water tubes or the like, comprising, in combination with a plurality of elements of a tube coil of sinuous configuration, a pair of straps spaced apart longitudinally of said elements lying on one face of a group of elements crosswise thereof, one of said straps being fixedly secured to a pair of non-adjacent elements, said non-adjacent elements being slidable relative to other elements of said group, and the other being fixedly secured to a pair of elements between said non-adjacent elements, and at least the first mentioned strap being extended to overlie all four of them although being fixed to only two of them, so that relative movement of said two pairs of said group may occur with differences in thermal expansion.

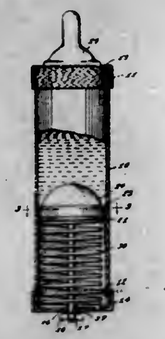
2,469,488
FLUTTER DAMPENER
Robert J. Woods, Grand Island, N. Y., assignor to Bell Aircraft Corporation, Wheatfield, N. Y.
Application October 23, 1945, Serial No. 624,038
2 Claims. (Cl. 188—93)



1. A flutter dampener for attachment to relatively oscillating parts comprising a housing having a spherically-shaped periphery, a shaft mounted within the housing for oscillation relative thereto, a first bracket securing one of said parts to said shaft, a second bracket secured to the other of said parts and pivotally movable

relative to said housing in a plane substantially parallel to the axis of said shaft to permit initial alignment of said brackets with said parts, a radially movable key pin non-rotatively carried by said second bracket and movable toward the spherically-shaped periphery of said housing, and means for locking said pin to said housing.

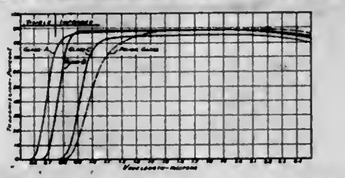
2,469,489
BABY'S NURSING BOTTLE
Grant Allen and Roger Dahl, Fairview, Mont.
Application March 4, 1947, Serial No. 732,160
1 Claim. (Cl. 215—11)



In a baby's nursing bottle, comprising a tubular member having a detachable nipple at one end and a detachable cap at the other end having an aperture therein, a follower slidable in the tubular member, a spring disposed between the cap and the follower and biasing the latter toward the nipple, and a rod extending inwardly to the follower through the aperture in the cap and externally of the latter having a nut to retain the rod slidably associated with the cap, the features including a pair of disks having apertures therein and forming the rear portion of said follower, a shoulder upon the inner end of said rod and a reduced portion with a threaded end projecting beyond the shoulder through the apertures in the disks, a resilient hollow dome member forming the forward portion of the follower and having a hollow cylindrical peripheral portion engaging the internal wall of said tubular member, a nut screwed upon the inner threaded end of said rod to confine said disks between the nut and the shoulder on the rod, and an inwardly directed flange upon the outer or rear end of the hollow cylindrical peripheral portion clamped between said disks.

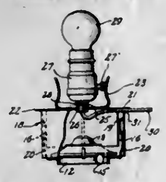
2,469,490
INFRARED TRANSMITTING GLASS
William H. Armistead, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application November 6, 1944, Serial No. 562,224
2 Claims. (Cl. 167—65)

1. An infrared-transmitting glass opaque to wave lengths shorter than about .6 micron and transparent to wave lengths longer than about 1 micron in a 3 mm. thickness, consisting essentially of a reduced silicate glass containing colloidally dispersed antimony selenide, the antimony computed as Sb_2O_3 being from about 1.5% to 3% and the selenium computed as Se being



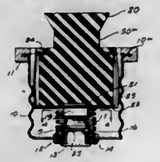
from about 1% to 3% on an oxide basis as calculated from the batch.

2,469,491
ADAPTER FOR CONVERTING KEROSENE LAMPS INTO ELECTRIC LAMPS
James N. Bailey, Mobile, Ala.
Application December 12, 1947, Serial No. 791,362
2 Claims. (Cl. 240—37)



2. A device for converting a kerosene lamp into an electric lamp in which the kerosene lamp is provided with the usual kerosene well and a burner mounted thereon having a wick dipping in the kerosene in the well, and chimney-holding spring fingers projecting upwardly therefrom to take the neck of the chimney, comprising a double-walled structure in which the walls are spaced apart in concentric relation, a top over said walls having a central opening, and a light socket supported in said latter opening to receive an electric light bulb, said walls adapted to frictionally engage over the spring fingers and rest on the well around the burner to preclude the latter from view.

2,469,492
SCREW-IN CIRCUIT BREAKER
Roy Ball, East Orange, N. J.
Application June 11, 1948, Serial No. 32,403
1 Claim. (Cl. 200—113)



A resettable circuit breaker for use in a conventional fuse block having a threaded socket and a center contact comprising a screw threaded metallic shell threadable into the fuse block socket, a rim of electrically insulating material secured to the open end of said shell, a center contact extending through the base of said shell, means electrically insulating said center contact from said shell, a bimetallic element secured to said center contact within said shell and including three parallel, indented prongs, a plug insertable into said shell and including a cylindrical body of insulating material and a knob on one end of said body, a metallic plug base overlying the opposite end of said body and including spring fingers disposed around the cylindrical side wall of said body to contact said shell when said plug is inserted into said shell, a metal peg secured to said metallic base and received between the prongs of said bimetallic element in spaced relationship to said center contact, said peg having an annular groove receiving the indentations of said prongs to releasably secure said body in said shell, and a compression spring disposed between said metallic plug base and the base of said shell and insulated from the latter to force said plug outwardly of said shell when said bimetallic element is expanded by heat of current overload passing therethrough.

2,469,493
SYNTHETIC DETERGENT COMPOSITION
George E. Barker, Pleasant Hills, Del., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 2, 1947, Serial No. 758,717
5 Claims. (Cl. 252—161)
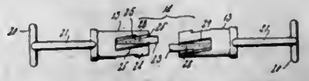
1. A detergent composition comprising a mixture consisting of from 5 to 95% by weight of a sulfonate of alkyl substituted aromatic hydrocarbon selected from the class consisting of benzene and naphthalene, and wherein the alkyl group has from 9 to 16 carbon atoms; and from 95 to 5% of polyoxyethylene ester of organic acid material selected from the class consisting of rosin and tall oil, said ester containing an average of from 12 to 30 oxyethylene groups per carboxyl group.

2,469,494
CLOTHES TREE
George Bushko, Eynon, Pa.
Application May 15, 1945, Serial No. 593,841
2 Claims. (Cl. 211—171)



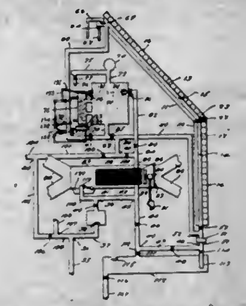
1. A clothes tree comprising a hollow bole including separable sections movable into interfitting relation with respect to each other, a ground-stake housed within the lower end of said bole, withdrawable retaining means for holding said ground-stake in [illegible]e within said bole, there being a plurality of slots in one of said sections and spaced from each other, a plurality of spaced garment supporting fingers mounted for extensile and contractile movement within said one section, said fingers being arranged so that a finger is complemental to each of said slots, and means in one of said sections operatively connected to said supporting fingers for causing contractile movement of the latter upon actuation of said one section out of interfitting relation with the other of said sections and for causing extensile movement of the fingers upon actuation of said one section into inter-fitting relation with the other of said sections.

2,469,495
CONNECTOR
Everett S. Child, Barrington, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application March 20, 1946, Serial No. 655,789
2 Claims. (Cl. 287—76)



1. A locking connection comprising two like parts, each of said parts having a plurality of locking projections spaced from each other on a circle at intervals sufficient to permit alternate projections on one part to slide axially between the corresponding projections on the other part, said projections on one part having hooks adapted to engage the corresponding hooks on the projections on the other part, an aligning and guiding member on each part adapted to align and guide the locking projections on one part with and into the spaces between the locking projections on the other part, and said aligning and guiding member extending beyond the ends of said locking projections and positioned within the circle of said locking projections.

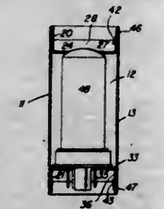
2,469,496
CONDITION CONTROL SYSTEM
Bjorn O. Christenson, De Pere, Wis.
Application August 30, 1944, Serial No. 551,962
2 Claims. (Cl. 237—1)



1. In a heating system for a building having a fluid source, heating tanks for said fluid positioned exteriorly of the building, heat exchange means in contact with said tanks for heating the tanks by solar radiation, pumping means for urging the fluid through said tanks, valved connections between the fluid source and the pumping means, a radiator, a conduit system for circulat-

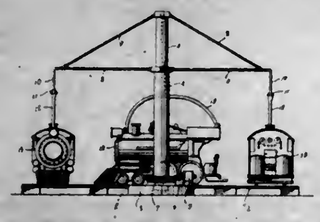
ing heated fluid through said radiator and returning it to the tanks, thermostatically controlled means for passing a current of air over said radiator and means for conveying the heated air through the interior of the building, an auxiliary heating system, means for circulating fluid through the auxiliary system and valves in said conduit system for draining and bypassing the heating tanks whereby said fluid is circulated only through the auxiliary heating system.

2,469,497
FOLDING BOX
James F. Conway, Orange, N. J., assignor, by mesne assignments, to National Folding Box Company, Incorporated, a corporation of Connecticut
Application August 25, 1945, Serial No. 612,597
1 Claim. (Cl. 229—6)



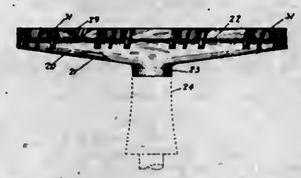
A one piece radio carton comprising, enclosing side walls, and end structures for closing the ends of the carton, said end structures comprising, a connecting flap hingedly connected to one of the side walls; an end panel hingedly connected along one of its edges to said connecting flap; flaps hingedly connected along the other edges of said end panel; a lock tab integral with said end panel, said lock tab being cut out from at least one of said last named flaps; and a lock flap for each lock tab, said lock flap being connected to a side wall and foldable back upon the side wall to which it is hinged for engaging the respective lock tab in carton closed position and means for maintaining said lock flap in folded back position against said side wall of the end panel.

2,469,498
CARROUSEL
Joseph H. Decker and Mary E. Decker, Long Beach, Calif.
Application February 1, 1946, Serial No. 644,747
1 Claim. (Cl. 272—43)



A toy carousel, comprising a low flat stationary platform, a central vertical upstanding rotatable mast mounted upon the platform, motor means to rotate the mast, horizontal radial booms having their inner ends secured to the mast for rotation with it, and including outer integral depending vertical extensions having flattened lower ends provided with horizontally spaced apertures, the booms being disposed a substantial distance above the platform and below the top of the mast, upwardly converging diagonal braces connected with the top of the mast and with the booms near their outer ends, substantially inverted U-shaped vertical bails for connection with the lower ends of the depending extensions and having their lower ends disposed at the same elevation above the platform, the bails being arranged at right angles to the radial booms, the bails having top horizontally spaced pairs of apertured lugs to receive the lower flattened ends of the depending extensions between them, pairs of bolts engaging within the apertures of the lugs and flattened ends for detachably rigidly securing them together, and wheeled cars mounted upon the platform for movement in a circular path and connected at their tops and near their front and rear ends with the lower ends of the bails.

2,469,499
GAS BURNER
James P. Dresen, Denver, Colo., assignor to The Rocky Mountain Gas Equipment Company, Denver, Colo., a corporation of Colorado
Application September 7, 1945, Serial No. 614,873
2 Claims. (Cl. 158—104)

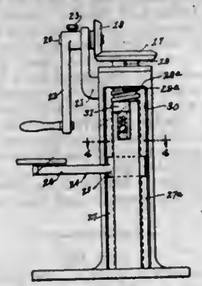


1. A gas burner comprising, an elongated hollow body forming a gas manifold, one wall having a single opening for the admission of a combustible gaseous mixture, the opposite wall having a plurality of spaced aligned circular openings, each opening being surrounded by a short cylindrical wall, the inner surfaces of said cylindrical walls being provided with an inwardly extending shoulder for the support of a perforated nozzle, the outer surfaces of the latter walls having each a plurality of short helical vanes for imparting a rotary motion to the secondary air.

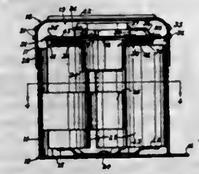
2,469,500
MECHANICAL MOVEMENT
John D. Dry, Bridgeport, Conn.
Application February 13, 1946, Serial No. 647,370
2 Claims. (Cl. 254—85)

2. A lifting jack for vertically and horizontally moving an object and comprising a base, a feed screw vertically journalled in said base, a housing surrounding said feed screw and secured to said base, said housing being provided with a plurality of longitudinal slots, a transverse slot interconnecting the longitudinal slots, a support threadedly engaged with said feed screw for movement therealong, said support extending outwardly through said slots, and a stop element secured to said feed screw adjacent a wall of said transverse slot whereby when the support is

caused to move vertically through either of the longitudinal slots, it will be caused to swing laterally to transfer from one to the other of said longitudinal slots.



2,469,501
PORTABLE FIRE ALARM
Theodore Gogniat, Pittsburgh, Pa.
Application October 7, 1947, Serial No. 778,482
5 Claims. (Cl. 177—311)



1. In a portable, self-contained electric fire alarm, the combination with a plurality of battery cells, an electric alarm and a thermostatic circuit closer for said alarm; of a container mounting said cells in a substantially annular arrangement, and comprising a common ground for said batteries and alarm, a substantially circular member, means mounting said member on said container across one end of said arrangement, said member including portions respectively mounting said alarm and said closer axially of said arrangement, said member including a contact ring operatively connecting all of said cells, and separate leads operatively connecting opposite ends of said closer to said contact ring and to said alarm respectively.

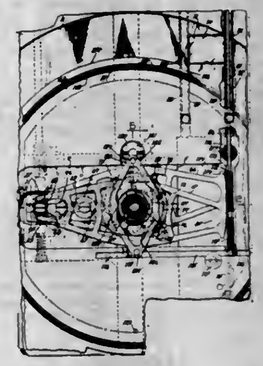
2,469,502
COMBINATION LENGTH BAR
Karl Erik Evert Hallin, Eskilstuna, Sweden, assignor to Aktiebolaget C. E. Johansson, Eskilstuna, Sweden, a company of Sweden
Application June 21, 1946, Serial No. 678,469
In Sweden June 25, 1945
4 Claims. (Cl. 33—168)

3. A combination length bar comprising a bolt, an end sleeve having a bore adapted to receive said bolt, a conical screw at one end of said bolt, a split nut screwed onto said conical screw, said nut having an external diameter adapted to pass into the bore in said sleeve, a projection on the external diameter of said nut, a number of gauge blocks having plane and parallel measuring surfaces and provided with through holes perpendicular to said measuring surfaces and adapted to fit said bolt and with notches in said holes providing clearance for said projection on said nut whereby said gauge blocks may be pushed over said nut onto said bolt, and a groove in the bore



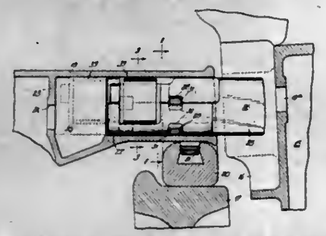
of said sleeve adapted to receive said projection on said nut, whereby said bolt with said nut thereon may be inserted in said sleeve and be locked thereto by turning movement of said bolt relatively to said sleeve expanding said nut and pressing the same against said sleeve.

2,469,503
INTERMITTENT STRIP FEED MECHANISM
Albert S. Howell, Culver, Ind., assignor to Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application July 22, 1947, Serial No. 762,748
33 Claims. (Cl. 88—18.4)



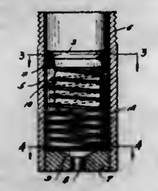
1. In an intermittent strip feed mechanism, the combination of toothed strip feed means, a lever mounted for pivotal movement and connected with said feed means for effecting reciprocatory strip feed and return movement of said feed means with oscillation of said lever, means for oscillating said lever, and the pivotal mounting of said lever comprising a first bearing means establishing a pivotal axis spaced transversely from the reciprocatory path of said feed means and operative on said lever longitudinally of said reciprocatory path to correspondingly pivotally confine said lever and to permit relative movement between said lever and said pivotal axis radially of said lever and transversely of said reciprocatory path and a second bearing means operative on said lever radially of said lever and transversely of said reciprocatory path to correspondingly confine said lever and to permit pivotal movement of said lever on said pivotal axis and operative in cooperation with said first bearing means to determine the character of reciprocation of the feed means connected portion of said lever.

2,469,504
BRAKE BEAM SUPPORTING MEANS FOR RAILROAD CARS
Malcolm S. Johnson and Gilbert F. Oakley, Chicago, Ill., assignors to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application June 14, 1946, Serial No. 32,793
12 Claims. (Cl. 188—212)



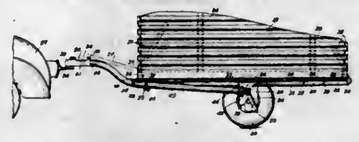
1. In a brake beam assembly for railroad cars involving a truck side frame provided on its inner side with a brake beam guide-way; a brake beam provided with a longitudinally chambered end section terminating adjacent the side frame guide-way; a brake beam extension member movably mounted in the chamber of said brake beam end section and having an end adapted to engage and be supported by said side frame guide-way; resilient means arranged on said extension member and adapted to frictionally engage the side walls of said chamber to maintain proper angularity of the brake beam when in brake released position; and means whereby said extension member is locked in its extended position.

2,469,505
BLEED VALVE
Leonard O. Keefer, Spokane, Wash., assignor to Keefer Industries, Spokane, Wash.
Application February 22, 1945, Serial No. 579,191
1 Claim. (Cl. 137—34.2)



A bleeder valve for a pipe line comprising a cylindrical casing having an open upper end externally threaded for connection with the pipe line with the casing mounted vertically in depending relation thereto, a closure for the lower end of said casing said closure having a centrally located drain port and a seat about the inner end of the port, a valve member in said casing shiftable vertically therein and having a body of elastic material spaced from the inner wall of the casing, a head at the upper end of said body, having marginal portions projecting radially therefrom and spaced from the walls of the body, a helical spring in said casing resting upon said closure and having its upper portion surrounding the body and its upper end bearing against the under face of the projecting marginal portion of said head and yieldably holding the valve number in a normally raised position out of engagement with the head, and a flexible concavo-convexed cup formed of elastic material carried by and extending upwardly from said head with its marginal portions free from the head and normally spaced from the inner wall of the casing, said cup having its concaved face presented upwardly for contact by liquid entering the casing through its open upper end whereby liquid under pressure in the upper portion of the casing may spread marginal portions of the cup into engagement with the inner wall of the casing and force the valve member downwardly in opposition to action of the spring and hold the lower end of the body against the closure and the seat and close the drain port.

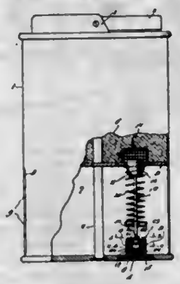
2,469,506
FOLDING WHEEL TRAILER
Kingdon Kerr, Los Angeles, and Malte Swensson, West Los Angeles, Calif.
Application February 23, 1946, Serial No. 649,523
6 Claims. (Cl. 280—33.4)



3. In a trailer, a rigid frame comprising a chassis, a pair of mounting wheels on opposite sides of said chassis, a member carrying each wheel and pivotally mounted on each side of the chassis for movement between a chassis-supporting position and a folded position against the underside of the chassis, a hitch bar, spaced means on the underside of the chassis for guiding the hitch bar between a projected position in which one end extends forward of the chassis and a retracted position wherein said hitch bar resides substantially entirely beneath the chassis and a link universally pivoted to the free end of each wheel-carrying member and having universal pivotal connection with the hitch bar whereby movement of said hitch bar from projected to retracted position will move the wheels from chassis-supporting to folded position and whereby projection from retracted position of the hitch bar will move the wheels back to chassis-supporting position.

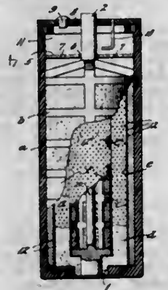
2,469,507
CIGARETTE LIGHTER
Louis W. Kolter, Sr., Knoxville, and William G. Kolter, Oak Ridge, Tenn.
Application January 8, 1946, Serial No. 639,825
1 Claim. (Cl. 67—7.1)

In a cigarette lighter including a case having a side wall, a bottom end wall, a top end wall, a flint holder, striker, and snuffer mounted on said top end wall, and a transverse partition in said case spaced from and substantially parallel to said end walls dividing the interior of said case into a wick compartment and a fuel tank, an apertured cup on said partition extending into said tank, a valve in said cup normally closing said aperture, an internal sleeve on said bottom wall having a longitudinally-extending bore and a pair of opposed longitudinally-extending grooves therein, an internally screw threaded annular member slidably mounted in the bore of said sleeve and having on its inner end an annular flange overlying the inner end of said sleeve, a pin extending transversely through said annular member with its ends guided in said grooves to restrain said annular member against rotation in said sleeve while providing freedom of relative longitudinal movement between said annular member and said sleeve, a screw plug threaded into said annular member and having a head overlying said bottom end wall around said sleeve bore, a valve rod secured at one end to said valve and having a longitudinally-extending slot near its opposite end, a pin extending transversely through said annular member



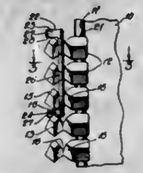
and the slot in said valve rod to provide a lost motion connection between said annular member and said valve rod, a collar secured on said valve rod, and a compression spring surrounding said valve rod between said collar and said transverse partition to resiliently urge said valve into closing relationship with said cup aperture, said valve being moved to open position by threading said screw plug out of said annular member to provide space between the bottom end wall of said case and the head of said plug and then forcing said screw plug, said annular member and said valve rod inwardly against the force of said spring.

2,469,508
ELECTRICAL ACCUMULATOR WITH TUBULAR ELECTRODES
Moises Malki, Boris Matzkin, and Aron Luis Goldman, Buenos Aires, Argentina
Application February 27, 1946, Serial No. 650,723
In Argentina October 2, 1945
5 Claims. (Cl. 136—6)



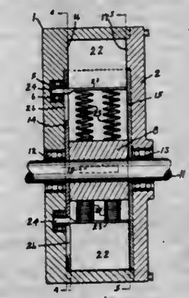
4. An electrical accumulator comprising a tubular insulating casing having top and bottom closures, an external terminal plate on the bottom of the casing, a first open ended arcuate electrode disposed within the casing and fitting snugly against the side walls thereof, the upper end of the electrode being spaced from the top of the casing and forming an air chamber in communication with the interior of the electrode, a second terminal integral with the first electrode and passing through the top of the casing, a second electrode disposed within and equally spaced from said first electrode and integral with said terminal plate, a permeable insulating sheet material lodged against the operating faces of said electrodes, and an immobile electrolyte filling the annular space between said electrodes.

2,469,509
REMOVABLE TOP STOP
Davis Marinsky, Bronx, N. Y.; Louis H. Morin executor of said Davis Marinsky, deceased, assignor of one-half to said Louis H. Morin
Application May 2, 1945, Serial No. 591,514
20 Claims. (Cl. 24—205.11)



1. A top stop for the stringer of separable fasteners, said stringer comprising a tape having scoops spaced longitudinally of one edge portion thereof, said scoops having coupling ends beyond the tape edge, said coupling ends having reduced neck portions, and said stop comprising a yoke fitting on the neck portions of a predetermined number of end scoops of said stringer.

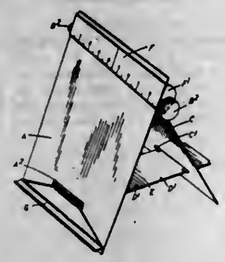
2,469,510
ROTARY VANE ENGINE
Werner W. Martinmaas, Jr., Orient, S. Dak.
Application October 7, 1946, Serial No. 701,787
2 Claims. (Cl. 103—136)



1. The combination in a rotary engine of the expansible chamber type with a cylinder having an inlet port and an exhaust port, a pair of annular ballbearing races mounted in the inner face of a head of the cylinder and spaced to form an annular runway, of a shaft eccentric to and journaled in the cylinder and a rotor having

slots and carried by the shaft, a series of radially reciprocable vanes carried in the slots of the rotor, springs tending to project the vanes and means for limiting the projection of the vanes, and a laterally projecting lug on each vane traveling through and guided in said runway.

2,469,511
BOOKRESTS AND THE LIKE
Eugene Murphy, Vancouver, British Columbia, Canada
Application August 3, 1945, Serial No. 608,645
In Great Britain September 18, 1944
4 Claims. (Cl. 120—28)

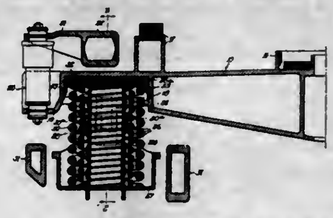


1. A copyholder comprising a front plate having rearwardly projecting bearing means near its upper end, a transverse slot between said bearing means, a rear plate, a slot in the lower portion of said rear plate, a horizontal pivot pin mounted in said bearing means and connecting said front and rear plates, a feed roller mounted on said pivot pin and projecting through the slot in said front plate, a detachable transverse and reversible paper holder with rearwardly projecting slotted attaching members near its ends, each adapted to slip over either end of said horizontal pivot pin and retain said paper holder against the forwardly projecting portion of said feed roller when positioned in front of said front plate and support said paper holder in a position spaced from said front plate when positioned in the rear thereof, and a tie plate pivoted to the front plate adjacent to the lower end thereof and extending rearwardly therefrom to engage the rear plate and lock the front and rear plates in angular relationship, said plates being adapted to fold into a substantially flat and closely packed relationship in which position the free end of the tie plate extends through the slot in said rear plate upwardly to a point between said rear plate and said transverse paper holder, when said paper holder is positioned behind said front plate.

2,469,512
SILICEOUS MAGNESIUM-CONTAINING PURIFYING MEDIUM AND PROCESS OF PRODUCING IT
John J. Naugle, New York, N. Y.
No Drawing. Application January 18, 1947, Serial No. 722,963
10 Claims. (Cl. 252—457)

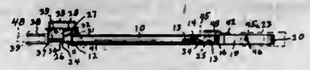
1. The method which comprises: adding a sufficient quantity of an inorganic magnesium compound-containing material to the silica and metallic oxide and salt-containing waste products resulting from the manufacture of Portland cement clinker to obtain from about a 70–30 to about a 30–70 mixture; and thereafter calcining said mixture at a temperature of from about 600 to about 800 degrees C. for from about 5 to about 30 minutes.

2,469,513
RAILWAY CAR TRUCK
Karl F. Nystrom, Nashotah, and Vernon L. Green, Milwaukee, Wis.
Application July 13, 1945, Serial No. 604,774
7 Claims. (Cl. 105—197)



1. In a railway car truck, the combination of a truck frame involving side members united by a pair of spaced transom members having vertical slots and equalizer members, the intermediate portions of the equalizer members being arranged to provide vertically disposed passages; a bolster arranged between the transom members with its ends extending between the frame side members and the equalizer members and provided on its lower face with spring receiving vertical pockets; a spring holding container arranged within the vertical passage of the equalizer member in spaced relation beneath each bolster pocket and provided at opposite sides with vertically disposed slots; and removable keys disposed transversely through the container slots and the vertical slots of the transom members whereby the containers are removably suspended in place.

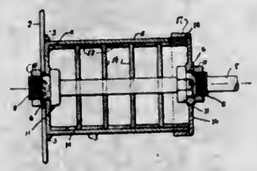
2,469,514
COMBINATION TELESCOPING TRACTOR AND HORSE-DRAWN HITCH
Edward M. O'Donnell, Galva, Iowa
Application March 14, 1946, Serial No. 654,450
5 Claims. (Cl. 278—33)



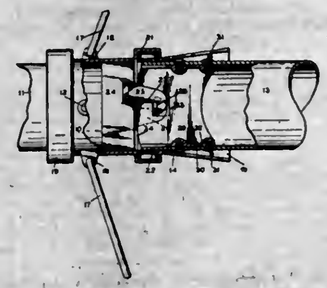
4. A combination telescoping tractor hitch comprising a female tube, means for attaching a drawn vehicle to said tube, a male rod received in said female tube, means for engaging the rod with said tube when said rod is thrust into said tube, including a shouldered member attached to the end of said tube, a spring urged lever member including a shoulder engaging member attached to the rod, said rod including means for attachment to a tractor.

2,469,515
LUBRICATING AND PACKING SHAFT
Edward J. O'Rourke, Ozone Park, N. Y.
Application September 25, 1945, Serial No. 618,476
3 Claims. (Cl. 308—36.1)

3. In a waterproof connection for ends of crankshafts and the like protruding from housings, the combination, which comprises a cylindrical casing open at one end and having a centrally disposed shaft-receiving opening in the other, said end having a centrally disposed shaft-receiving opening positioned against and welded to the housing, a shaft having collars integral therewith positioned in the casing with bearing surfaces adjacent the collars, a closure on the open end of the casing having a centrally disposed shaft-receiving opening aligned with the shaft-receiving opening of the closed end of the casing, said shaft-receiving openings of the casing and closure providing journals for the bearing surfaces adjacent the collars of the shaft, lock nuts threaded on the shaft at the ends of said bearing surfaces, a plurality of spaced lubricant separating washers in said casing, and spacing sleeves separating said washers.



2,469,516
FLEXIBLE LOCKING COUPLING
Emil S. Pearson, Portland, Oreg.
Application June 14, 1946, Serial No. 32,769
8 Claims. (Cl. 285—176)



1. In a pipe coupling, a pair of coupling members adapted to be arranged in telescoping position, a latch hook located near the axis of one of said members and extending parallel to the axis of said latter mentioned member, means for rigidly mounting said latch hook in said latter mentioned member, and a latch plate mounted in the other coupling member, an opening in said latch plate to enable said latch hook to extend through said opening when said coupling members are in locked position.

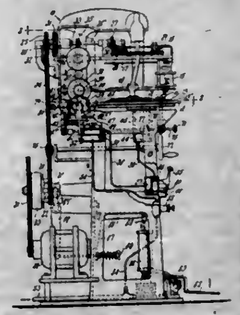
2,469,517
SEWING-MACHINE LOOP TAKER
Charles H. Petskeyes, Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill., a corporation of Illinois
Application March 8, 1948, Serial No. 13,684
3 Claims. (Cl. 112—228)

1. The combination with a hook member and the gib ring thereof, of means for detachably connecting the gib ring to the hook member comprising connecting bolts projected through registered openings formed in the gib ring and hook member and having corresponding end portions provided with transverse openings, a flexed resilient plate positioned against the bottom of the hook member and having oppositely disposed



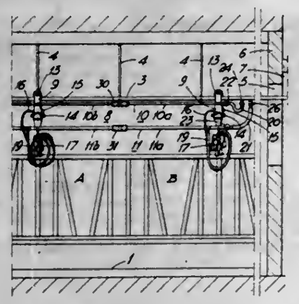
openings formed therein for the projection therethrough of the end portions of said connecting bolts, and an elongated resilient wire member arranged in abutting relation with respect to said plate and having angled end portions adapted to be projected through the transverse openings of said connecting bolts.

2,469,518
SOLE CUTTING MACHINE
Herbert R. Polleys, New Haven, Conn., assignor to Wellman Company, Medford, Mass., a corporation of Maine
Application July 2, 1947, Serial No. 758,529
8 Claims. (Cl. 12—25)



5. In a sole cutting machine having a knife, means for driving said knife in a horizontal circuit around the edge of the sole to be cut, a fixed abutment encompassed by the circuit of the knife, a vertically movable table for supporting the stock from which the soles are to be cut, a piston in a cylinder for moving said table vertically in the path of travel of said knife and to clamp said stock against said abutment, and a valve for controlling the admission and exhaust of fluid under pressure to and from said cylinder for operating said piston towards and away from said abutment, the improvement comprising a cam geared to said knife drive and adapted to operate said valve in timed relation to the movement of said knife, surfaces on said cam adapted to operate in series upon said valve to admit fluid under pressure to said cylinder to elevate and carry said stock into the path of travel of said knife at a certain position of said knife on its circuit, and to exhaust said fluid immediately after the knife has travelled a complete circuit around the edge of the sole, and thereby release said stock from its clamped position and move it out of the path of travel of said knife, and means for disconnecting and connecting said cam from said knife drive to permit independent movement of said knife and cam, and thereby change the position of said knife when said stock is carried into the path of travel of said knife.

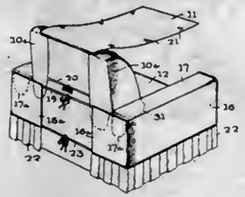
2,469,519
MACHINE MILKING PLANT
Eric Georg Redin and Karl Erik Olander, Norrkoping, Sweden, assignors to Aktiebolaget Mamms, Norrkoping, Sweden, a company of Sweden
Application March 5, 1948, Serial No. 13,177
In Sweden March 10, 1947
6 Claims. (Cl. 31—58)



1. A machine milking plant for a cow barn having a stationary milk conduit extending from a milk chamber into said barn, and a stationary vacuum conduit extending from a machine room into said barn, comprising a track rail extending along one row of stalls at least in said barn, a carriage structure movably mounted upon said truck rail, a plurality of teat cup units on said carriage structure, the number of said units being commensurate to and said units being spaced at appropriate distances from one another for simultaneous milking of a predetermined number of cows while the carriage structure occupies a predetermined working position, a substantially horizontal milk conduit on said carriage structure common to said teat cup units, said teat cup units having milk tubes connected to said milk conduit on said carriage structure, a connecting device at one end at least of said milk conduit on said carriage structure for connecting said milk conduit to said stationary milk conduit, a substantially horizontal vacuum conduit on said carriage structure common to said teat cup units, said teat cup units having vacuum tubes connected to said vacuum conduit on said carriage structure, and a connecting device at one end at least of said vacuum conduit on said carriage structure for connecting said vacuum conduit to said stationary vacuum conduit.

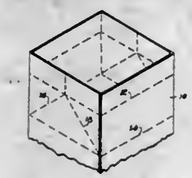
2,469,520
FURNITURE SLIP COVER
Richard W. Roberts, Jr., Richmond, Va., assignor to Crawford Manufacturing Co., Inc., Richmond, Va., a corporation of Virginia
Application January 2, 1946, Serial No. 638,678
6 Claims. (Cl. 155—182)

5. In a one-piece slip cover for a flat back chair, a front panel for covering the front of the chair back, side extensions from said front panel for covering the sides of the chair back and having free edges adapted to fold on the rear of the chair back, a rear panel narrower than said front panel and having only its upper edge attached to said front panel along a meeting line corresponding to the top of the chair back, cords attached to said front panel extending longitudinally upwardly thereof and terminating at the junctions of said meeting line with the side edges of said rear panel so said cords are spaced inwardly from the side edges of said front panel and the side extensions thereof, whereby excess material of said front panel between said cords and said side extensions can be tucked under



said cords when the cover is applied to a chair having a back of less width than the width of said front panel, and fastening means along the unattached side edges of said rear panel for securing said rear panel to the rear of the chair back and for holding said cords under tension to firmly retain the excess material of said front panel tucked under said cords.

2,469,521
COLORING PACKAGE FOR OLEOMARGARINE
Howard A. Rohdin, Glen Ridge, N. J.
Application June 5, 1947, Serial No. 752,772
2 Claims. (Cl. 99—148)

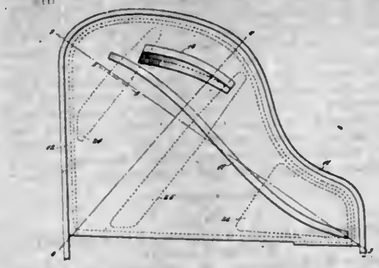


1. An oleomargarine package comprising a wrapper snugly fitting a body of oleomargarine, a closure for said wrapper of the type comprising at least one triangular ear formed of the wrapper material, said ear being open to the interior of said package, a rupturable capsule of coloring matter in said ear and a heat seal partially closing off the opening between said ear and the space occupied by said oleomargarine, said partially closed opening providing a channel for the passage of coloring matter from the ear to the oleomargarine when the capsule is broken, said channel being restricted to retain the capsule in the ear.

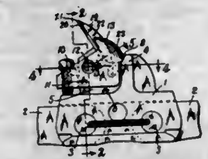
2,469,522
PIANO SOUNDBOARD
Joseph Sauerland, West New York, N. J., assignor to Hardman, Peck & Company, New York, N. Y., a corporation of New York
Application February 7, 1945, Serial No. 576,518
9 Claims. (Cl. 84—192)

1. A piano sound board of superposed plies of wood of substantially uniform thickness arched

convexly upwardly from a marginal border and a string supporting bridge on the convex upper surface of the board, the concave undersurface of said board being free and unobstructed.

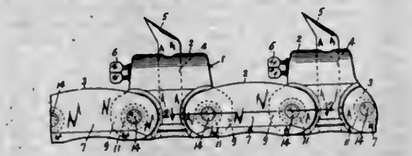


2,469,523
CUTTER CHAIN
Leon E. Simmons, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application July 26, 1944, Serial No. 546,653
9 Claims. (Cl. 262—33)



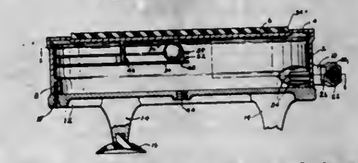
1. In a cutter chain, a chain block having a lateral lug, said lug being cut away at its sides to provide a narrow central lug portion, said narrow portion having a rearwardly facing surface against which a cutter bit is adapted to seat, said narrow portion being transversely slotted, and the slot being elongated in a direction lengthwise of the block, and a bit clamp straddling the narrow portion of the block lug and having spaced parallel side portions and a pivot element secured to the parallel side portions and passing through said elongated slot, said slot permitting adjusting movement of the clamp during clamping of the bit.

2,469,524
CUTTER CHAIN
Leon E. Simmons, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application December 28, 1944, Serial No. 570,116
4 Claims. (Cl. 74—252)



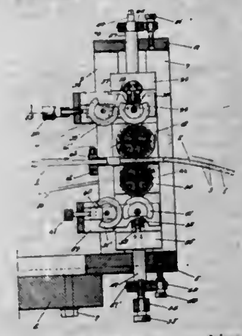
4. In a chain, in a strap link connection for connecting together a plurality of bit-carrying links each having two bores therein whose walls are adapted to constitute bearings, a strap link having pin portions adapted to enter the adjacent bores in a pair of adjacent bit-carrying links but of smaller diameter than said bores, and bearing sleeves of greater length than said pin portions and of such external diameter as to fit said bores in the bit-carrying links, said pin portions having at least a slight drive fit in the bores in said bearing sleeves.

2,469,525
DENTAL CEMENT APPARATUS
Frank J. Skrob, Okanogan, Wash.
Application July 15, 1946, Serial No. 683,689
6 Claims. (Cl. 259—72)



1. The combination with a closed drum, of water injections means located tangentially of the drum for creating a whirling mass of water in the drum and including spaced jet tubes one within the other, a bell jar on the top of the drum, means forming a communicating passage between the jar and the outer tube whereby the force of water passing through the tubes will exhaust air from the bell, and means responsive to the movement of water swirling within the drum for vibrating the top of the drum.

2,469,526
CUTTING AND PRINTING MACHINE
John E. Sloat, Columbia, Conn., assignor to Insulation Products Company, Willimantic, Conn., a partnership
Application January 30, 1945, Serial No. 575,328
4 Claims. (Cl. 101—226)



1. In a cutting machine the combination comprising a frame, a pair of drums rotatably mounted on said frame on parallel axes, a plurality of axially extending knives radially slidable on one of said drums, means for causing sliding movement of said knives on said drum as it rotates, knife cooperating abutment members on the other of said drums, said means for causing sliding movement of said knives comprising relatively fixed cam members and co-

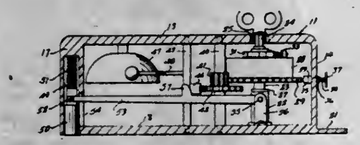
operating cam followers mounted on the knives, and means for adjusting the relatively fixed cam members with respect to the knife drum to vary the amount of sliding movement of the knives on the drum.

2,469,527
SAW FILING STAND
Robert J. Stiffiemire, Dickinson, Ala.
Application July 9, 1947, Serial No. 759,748
3 Claims. (Cl. 76—78)



2. A saw filing stand comprising an anchor member having a pointed extremity adapted to be inserted in the ground, a U-shaped member, means removably securing said U-shaped member to said anchor member, a pair of movable jaws integrally formed with the legs of said U-shaped member and having opposed longitudinal slots, means received in said U-shaped member normally urging said jaws to spread position, a bolt slidably received in said slots and including a threaded portion, a nut receivably engaged on the threaded portion of said bolt, and hand gripping means pivoted on said nut for rotating said nut and moving said bolt longitudinally in said slots.

2,469,528
BURGLAR ALARM FOR WINDOWS AND DOORS
Arthur R. Suma, Sr., Chicago, Ill.
Application February 27, 1948, Serial No. 11,404
2 Claims. (Cl. 116—91)
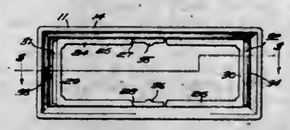


2. In a burglar alarm for a window or the like having a sash or the like movable to open position relative to another sash or the like; a housing adapted to be fixedly mounted on one of the sashes, a clockworks within said housing having an escapement wheel, an escapement pivoted to alternately engage and disengage from said escapement wheel, a stop lever pivoted in said housing and arranged to engage said escapement in one position of said lever to render said clockworks inoperative and to disengage from said escapement in another position of said lever and permit said clockworks to operate, an audible signal operatively connected to said clockworks, a plunger mounted for endwise movement in said housing and in position to be engaged and displaced by a portion of the other sash or the like when the sashes are brought into closed relation, means operatively connecting said plunger and said stop lever, spring means normally pressing said plunger outwardly of said housing whereby said stop lever is disengaged from said escapement so that operation of said audible signal by said clockworks is permitted, said plunger being arranged to be displaced inwardly of said housing against the tension of said spring means so as to move said stop lever into engagement with said escapement and render said clockworks inoperative whenever said plunger is engaged and displaced by said portion of the other sash or the like as the sashes are brought into closed relation, said audible alarm comprising a sounder and a hammer mounted on said escapement.

2,469,529
PROCESS OF RECLAIMING VULCANIZED RUBBER SCRAP
Lyndon B. Tewksbury, Jr., Potsdam, N. Y., and Louis H. Howland, Waterbury, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 5, 1946, Serial No. 674,628
9 Claims. (Cl. 260—720)

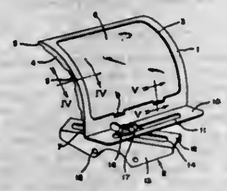
1. A process for reclaiming scrap containing vulcanized rubber selected from the group consisting of natural rubber, polymers of butadiene-1,3, and copolymers of butadienes-1,3 with compounds which contain a $CH_2{=}C<$ group and are copolymerizable with butadienes-1,3, which comprises heating the scrap in the presence of a small amount of a bis(alkoxy aryl) disulfide in which the alkoxy groups contain from 1 to 4 carbon atoms for a time sufficient to materially soften the scrap.

2,469,530
SHIPPING AND DISPLAY CONTAINER FOR JEWELRY
William J. Thompson, Edgewood, R. I., assignor to C. & M. Manufacturing Co., a corporation of Rhode Island
Application November 27, 1948, Serial No. 62,345
4 Claims. (Cl. 206—75)



4. A shipping and display container having a rim with an upstanding ornamental outer wall and a depending vertical inner wall of less height than the outer wall, said outer and inner walls having sides and ends, a frame secured to the sides of the inner wall and having narrow sides contiguous the inner wall sides and narrow ends, said frame ends being adjacent to and spaced from the contiguous inner wall ends, and an article support element seating over the frame sides and engaging the inner wall sides and seating over the frame ends and beneath the inner wall ends, the thickness of said support element being less than the space between the frame end and the contiguous wall end spaced therefrom, said inner wall sides having projecting parts extending over and in spaced relation to the frame sides to receive the support element therebetween, said inner wall ends having tabs extending downwardly therefrom and said support element having slots adjacent its ends for lockingly seating over said tabs.

2,469,531
SHIELD DEVICE
Anthony Toth and George Toth, Detroit, Mich.
Application September 14, 1945, Serial No. 616,294
2 Claims. (Cl. 82—34)



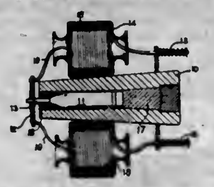
1. A protective shield of the character described comprising an arcuate frame having an opening therethrough, a sheet of transparent material supported by said arcuate frame and enclosing said opening, a reinforcing angle extending from the curved side of said arcuate frame, a base reinforcing angle forming an integral part of the frame extending from the bottom portion of said arcuate frame and including a slot extending along the length of the reinforcing angle, a projection forming a part of the vertical leg of the base reinforcing angle extending radially of the arcuate frame and serving as a stop for the sheet of transparent material, a supporting angle having a slot extending along the length of its upper leg, and a single pivotal means for clamping the reinforcing angle and the supporting angle together through said slots, said sheet of transparent material being slidably retained by the arcuate frame, and the upper edge of the frame being open for slidably receiving the sheet of transparent material.

2,469,532
WRIST WATCH STRAP
Lyman A. Truckenmiller, Sonora, Calif., assignor of sixty per cent to Douglas Pincock, Santa Barbara, Calif.
Application August 3, 1945, Serial No. 608,665
3 Claims. (Cl. 224—4)



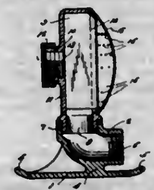
2. A wristband for a watch or the like comprising a pair of resilient, oppositely disposed, curved straps each having means at its inner end for pivotal attachment to a watch or the like and being long enough to overlap each other at their outer end portions when in position encircling a wrist, one of the straps having adjacent its outer end a slot capable of passing the overlapping portion of the other strap, and the overlapping portions of both straps presenting serpentine-like registering curved portions frictionally engageable against each other.

2,469,533
PROJECTION OF TWISTED WIRES
Hubert E. Wellcome, Pleasantville, N. Y.
Application November 23, 1945, Serial No. 630,529
5 Claims. (Cl. 89—1)



1. Apparatus for laying twisted wire by towing behind a projectile comprising a projectile, means causing rotating flight of said projectile, a pair of wires coiled for withdrawal in a direction axial of the convolutions of the wire, and means connecting the wires to the projectile for twisting upon rotation of said projectile during flight.

2,469,534
LAWN SPRINKLER
Henry E. Wessels, Spokane, Wash., assignor to Glenn L. Fish, Spokane, Wash.
Application June 21, 1945, Serial No. 600,735
1 Claim. (Cl. 299—141)

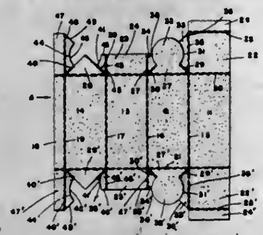


In a sprinkler for a hose, a nozzle comprising casing open at its front and having a rear wall and upper and lower side walls, a plate closing the open front of said casing and formed with a multiplicity of perforations constituting water outlets for forming a spray of water discharged through the said perforations, an externally threaded neck extending outwardly from the lower side wall, an externally threaded neck extending outwardly from the rear wall, said necks being of the same dimensions whereby either may be screwed into a coupling for detachably connecting the nozzle with a hose, and an internally threaded cap of dimensions adapting it to be removably screwed upon either neck.

2,469,535
CONTAINER
Marshall I. Williamson, New Haven, Conn., assignor, by mesne assignments, to National Folding Box Company, Incorporated, a corporation of Connecticut
Application October 26, 1944, Serial No. 560,292
4 Claims. (Cl. 229—37)

1. A container for powdered material having a tubular body portion and a sift-proof end closure for said body portion including an inner end panel hingedly connected to a side wall of the container, said inner end panel being equal in size to the end area of the container; an end sealing flap and two lateral sealing flaps hingedly connected to said end panel along its end and side

edges, respectively said sealing flaps forming a continuous seal around said end panel; an outer end panel hingedly connected to the opposite side wall, said outer end panel being shorter than said inner end panel, said end flap of the inner end panel being adhesively secured to the inner surface of said outer end panel adjacent the hinge line of said outer end panel; lateral flaps hingedly connected to the side edges of said outer end panel; second closure panels hingedly connected to the remaining two side walls of the container, said second closure panels being adhesively se-



cured to said lateral sealing flaps and hingedly connected to the adjacent lateral flaps of the outer end panel and the lateral sealing flaps of the inner end panel along diagonal fold lines, said diagonal fold lines extending from the two corners which are adjacent to the conjoined wall panels and terminating at a cut line short of the center of the end area, one of said second closure panels having a central end sealing tab circumscribed by said cut line, said sealing tab being adhesively secured to said inner and outer end panels at the center portion of the end closure.

2,469,536
METHOD OF MAKING SHOPPING BAGS
Franklin P. Winesett, Camas, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada
Application March 4, 1946, Serial No. 651,837
4 Claims. (Cl. 93—35)



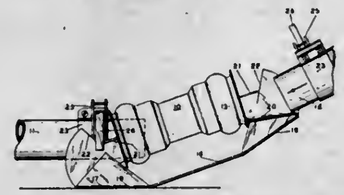
1. The improvement in the method of making handled shopping bags which consists in making slits at spaced intervals near one edge of the web so as to form tabs, folding said marginal web portion and tabs back over the main body of the web, lifting said tabs on said folded marginal portion so that the underside of said tabs will then be exposed, applying adhesive to the underside of said lifted tabs, inserting the ends of handle loops between said lifted tabs and the exposed spaces on the main body of the web under said tabs, pressing said tabs and therewith said underlying handle loop ends firmly down against said exposed spaces on the main body of the web, cutting the web transversely into bag sections of equal size with each section including a pair of said attached handle loops, forming each of said severed sections into a bag tube by making a seam along said transverse web cut, and forming a bag bottom in said bag tube at the opposite end from said handles.

2,469,537
HUMIDOSTATIC ELEMENT
Henry Wohrer, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 12, 1945, Serial No. 572,538
2 Claims. (Cl. 117—127)



1. A hygrometric element comprising a flexible supporting strip of ferrous metal alloy having a negligible coefficient of thermal expansion; and a thin layer adherent to one face of said flexible strip insoluble in water and composed primarily of glycerin and gelatin in the proportion of two drops of glycerin to ten grams of gelatin, said layer being characterized, over a temperature range of the order of 50 Fahrenheit degrees, by a lineal expansion which is proportional to and closely follows the relative humidity of air in contact therewith.

2,469,538
PIPE COUPLING
Dorris S. Young, Wilsonville, Oreg.
Application April 26, 1947, Serial No. 744,201
5 Claims. (Cl. 285—1)

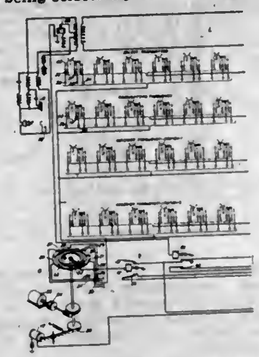


1. In a pipe coupling of the character described, a coupler having a main tubular body portion, a sled-like base mounting for said main tubular body portion adapted to support said tubular body portion at a spaced distance above the surface of the ground, said base having a horizontal central section and upwardly inclined end sections, a trough-like guideway extending from the lower part of each end of said main tubular body portion, the outer ends of said guideways joining the outer ends of said upwardly inclined end sections of said sled-like base respectively, whereby the weight of a pipe in one of said guideways would exert a tendency to cause said coupling to tip upwardly and rest on the inclined end base section beneath that guideway, and facilitate the insertion of a pipe in the other guideway and end of said tubular body portion.

2,469,539
RADIO CONTROL SYSTEM
Henry H. Abbott, Yonkers, and Henry M. Bascom, New York, N. Y., and Preston B. Fairlamb, Butler, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 23, 1946, Serial No. 649,582
5 Claims. (Cl. 250—6)

1. In a station selecting system, in combination, a master station, a telegraph line extending therefrom, a plurality of radio stations along said line, each station comprising a radio transmitter and a radio receiver, each of said transmitters being adapted to be adjusted to transmit on any one of a predetermined number of different radio

frequencies and each receiver being adapted to be adjusted to respond to any one of a predetermined plurality of different received frequencies, a common communication channel extending from the master station to all of said radio stations, telegraph selector apparatus in said telegraph line individual to the several radio stations, said telegraph selector apparatus adapted to respond to two successive and different codes initially, and start-stop permutation code transmitting apparatus adapted to transmit two successive and different codes initially, said code transmitting apparatus being selectively controlled at the master



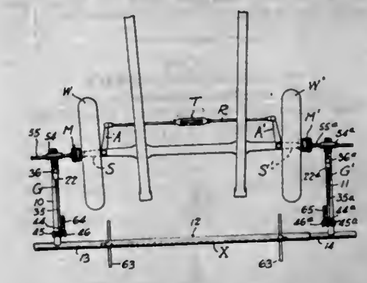
station and associated with the telegraph line for controlling said selector apparatus in different manners to selectively adjust any desired one of the radio transmitters to transmit on a desired one of said transmitter frequencies and to connect the input circuit thereof to said communication channel to the exclusion of any other transmitter, to disconnect any connected transmitter, to selectively condition a desired one of said receivers to resopnd to any desired one of said predetermined frequencies, to connect the output circuit thereof to the communication channel, and to selectively disconnect any connected receiver therefrom.

2,469,540
PAPER FILE
Warren A. Anderson, St. Charles, Ill.
Application February 9, 1948, Serial No. 7,209
4 Claims. (Cl. 129—21)



3. A paper file comprising a base, a hollow spindle mounted thereon, a piercing member within said spindle and having a puncturing end normally projecting therefrom, means for limiting said projection, a seat member within and adjustable along said spindle toward and away from the piercing member, means for maintaining said seat member in an adjusted position, and spring means in said spindle between said piercing and seat members.

2,469,541
GAUGING INSTRUMENT FOR VEHICLE WHEELS
Walter Bagge and George F. Bagge, Los Angeles, Calif.
Application July 6, 1946, Serial No. 681,680
8 Claims. (Cl. 33—203.17)



1. A gaging instrument of the class described comprising: a support having spaced arms provided with posts; means adapted to suspend said posts about axes co-axially related to the axes of the steering spindles of an axle and with the longitudinal axes of the posts in intersecting relation to the spindles' axes for turning movement of the support relative to the spindles upon steering movements of the latter; two indicating devices, each having two coacting parts; means mounting one part of each indicating device on each arm of the support for turning movement with the latter; and means mounting the other part of each indicating device on each of said posts for relative movement with respect to said one of the parts of the respective device when steering movement of the spindles is effected.

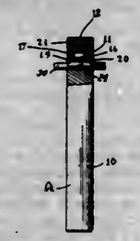
2,469,542
CONNECTOR
Stephen P. Becker, Poughkeepsie, N. Y.
Application July 28, 1945, Serial No. 607,518
1 Claim. (Cl. 24—81)



In a connector for wires, the combination of an elongated body member principally U-shaped in cross section, at least two pairs of longitudinally disposed laterally extending guide projections, a jaw member having a pair of grooves complementary to one of the pairs of guide means for limiting the jaw member to movement on the body member, with the jaw member telescoping with the body member, a head member supported

on the body member and a head member supported on the jaw member in complementary opposition to one another at distant ends of the associated supporting members, both of said heads being on the same side of the longitudinal axis of the telescoping members, a groove in the face of each member arranged transversely to said longitudinal axis and in complimentary opposition to one another, a screw arranged along the longitudinal axis of the members having a head portion in contact with one member and a body portion in threaded engagement with the other member to move the members relative to one another and a separator head located transversely to the axis and in complimentary relation between the other two heads, said separator head having hooked side extremities fitted to cooperate in complementary manner with the other pair of guide projections on the body member.

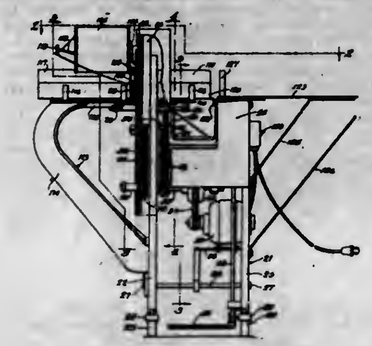
2,469,543
COUNTERBORING DEVICE
Tom M. Bondhus, Monticello, Minn.
Application May 4, 1945, Serial No. 591,913
6 Claims. (Cl. 77—58)



1. A counter-boring tool comprising a shank, a pair of opposed notches in opposite sides of said shank, a sleeve engageable about said shank and including projection means engageable into said opposed notches, an aperture through said shank between said notches and communicating therewith, a cutter blade in said aperture and projecting at opposite sides of the shank, said projection means engaging said cutter blade on opposite sides of said shank.

2,469,544
TYING MACHINE FOR ELONGATED PACKAGES
Benjamin H. Bunn, Chicago, Ill., assignor to B. H. Bunn Company, Chicago, Ill., a corporation of Illinois
Original application December 10, 1941, Serial No. 422,317. Divided and this application March 7, 1945, Serial No. 581,483
12 Claims. (Cl. 100—31)

1. A machine for wrapping with twine elongated packages, said machine comprising a frame, a wrapping ring support on said frame, a plurality of rollers carried by said support, a wrapping ring mounted to rotate on said rollers, means mounted on one side of the wrapping ring for storing a supply of twine, a twine arm projecting in the axial direction from the other side of the wrapping ring and adapted to carry a reach of twine from the twine supply around a package in the machine, a package support carried by the frame and projecting laterally beyond the wrapping ring, the package support projecting through the ring and terminating adjacent a plane defined by the reach of the twine arm during a rotation of the wrapping ring, a second package support carried by said frame at substantially the same level as said first mentioned package support, said package



supports spaced to permit the passage of the twine during the wrapping operation, and tension control means mounted between the twine supply means and the end of the twine arm to control the tension of twine during a package wrapping operation.

2,469,545
SELF-ENERGIZING ELECTROLYTIC WATER CORRECTION DEVICE
Edgar M. Butler, New Orleans, La.
Application September 24, 1945, Serial No. 618,114
3 Claims. (Cl. 204—248)



1. A self-energizing electrolytic water correction device for use in water boilers, comprising a pair of opposed apertured side plates having integral projections forming transversely aligned inner saddles and having bolt holes lying on either side of said saddles, intermediate saddle blocks positioned in abutting relationship and in transverse alignment with said saddles, said blocks having bolt-receiving end grooves, said side plates and saddle blocks being formed of electro-positive metal, bars of electro-negative metal positioned between said opposed and aligned saddles and saddle blocks, bolts passing through said bolt holes and end grooves, and means coacting with said bolts for tightly clamping said bars between said saddles and saddle blocks, said saddles and saddle blocks having clamping surfaces conforming to the contour of said bars and in extended surface engagement with opposed intermediate portions thereof but with less than full peripheral contact to provide for tight clamping action to prevent displacement of said bar while exposing the ends of said bar to electrolytic attack.

2,469,546
METHOD OF FORMING PROTEIN COMPOSITIONS
John E. Calhoun, Bainbridge, and Thomas M. Busse, Unadilla, N. Y., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 7, 1947, Serial No. 720,686
18 Claims. (Cl. 106—146)

1. In a process for producing protein compositions which are substantially free from bubbles, the steps comprising dispersing a protein material in a liquid which is a non-solvent for the protein, reducing the pressure above the liquid dispersion sufficiently to substantially deaerate the dispersion, and thereafter adding a solubilizing agent for said protein and dissolving said protein material.

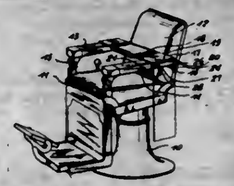
11. In a process for producing casein compositions which are substantially free from bubbles, the steps comprising dispersing a comminuted casein material in water, applying a vacuum of about 25 inches of mercury to the dispersion, agitating for about 30 minutes, adding a solubilizing agent for said casein comprising caustic soda, and gradually heating to 170° F. with mild agitation to dissolve said casein material.

2,469,547
DIVAN MOVER
Frank H. Carter, Taft, Calif.
Application July 30, 1945, Serial No. 607,834
8 Claims. (Cl. 211—27)

1. In a divan rack, a platform, an upstanding rigid frame secured to one side edge of said platform, a cooperating sub-frame hinged to the opposite side edge of said platform and adapted to swing down into a position adapted to be inserted under the base of said divan when the seat and back members of said divan are extended in bed forming position on said base, said platform and frame being adapted to turn about said hinge connection and swing said rigid frame down over said seat and back members and cooperating with said hinged member to clasp the extended members of the divan therebetween, means for fastening said rigid and sub-frame members together in said clasped position and means secured to said sub-frame and engaging the front side of said base to support the weight of the base when said platform and rigid frame are turned upwardly into vertical position.

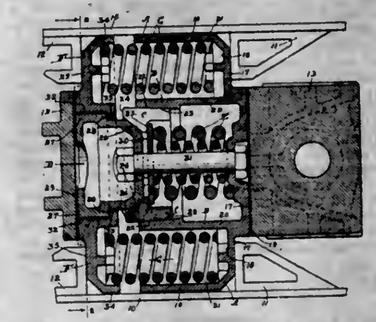
2,469,548
CHILD'S SEAT FOR BARBER CHAIRS
Emmett L. Connelly, El Monte, Calif.
Application March 8, 1946, Serial No. 653,036
3 Claims. (Cl. 155—131)

1. A child's seat for barbers' chairs comprising a board adapted to bridge the arms of a barber's chair, and a bracket hingedly secured to said board, said bracket consisting of a rod extending along one end edge of the board having its ends bent downwardly and then inwardly, one of said ends terminating in a downwardly bent bifurcated



portion receivable over the bolt that pivotally attaches one arm of the chair to its back and the other inwardly bent end terminating in an eye through which a fastener may be driven into the underside of the arm of the chair.

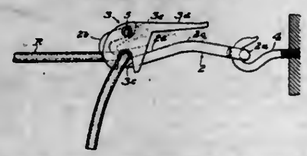
2,469,549
SHOCK ABSORBING MECHANISM FOR DRAFT RIGGINGS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 11, 1947, Serial No. 779,355
9 Claims. (Cl. 213—24)



1. In a shock absorbing mechanism for railway draft riggings having inner and outer stops and a lengthwise movable yoke, the combination with a follower; of a spring cage, said follower and cage being enclosed within the yoke, said follower and cage being relatively movable toward and away from each other lengthwise of the mechanism; spring means within the cage opposing relative movement toward each other of the follower and cage; a friction casing movable in unison with said cage; friction shoes slidingly telescoped within the casing; spring means within the casing yieldingly opposing movement of the shoes inwardly of the casing; a block in wedging engagement with the shoes, said block being movable with respect to said follower in direction lengthwise of the mechanism, said yoke, when moved lengthwise in one direction, engaging the follower and block to move the same toward the cage and friction casing to compress said first named spring means and force the shoes inwardly of the casing against the resistance of said second named spring means, said yoke, when moved in a reverse direction, engaging and mov-

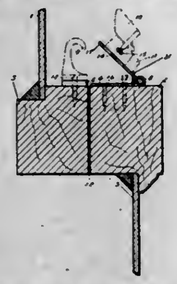
ing the spring cage and casing toward said follower to compress said first and second named spring means against said follower and shoes, respectively, said shoes engaging the follower and being held against relative movement with respect to the same during this action.

2,469,550
TAKE-UP CLAMP
James F. Fair, New Kensington, Pa.
Application January 25, 1946, Serial No. 643,220
4 Claims. (Cl. 24—134)



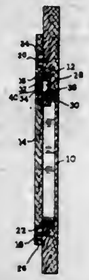
1. A take-up and self-locking clamping device for a horizontally extending rope comprising two clamping members, a pivot uniting the first clamping member to the second clamping member at a point located adjacent to a terminal end of said second member, the second clamping member having a clamping edge extending toward said end and spaced from said pivot, the space interval between said clamping edge and the pivot decreasing as said edge in its extent approaches said pivot, the first clamping member comprising a bifurcated structure having two notches opening transversely thereof, the bottoms of the notches being located at a greater radial distance from said pivot than said terminal end of the second clamping member, the first clamping member being movable between a position in which the notches extend in rope-receiving position above said pivot slideably to receive a rope to be drawn taut, and a position in which said notches extend downwardly from said pivot to embrace said clamping edge and securely wedge the body of the rope in said notches against said clamping edge, said downwardly extending notches having a rope-engaging edge positioned to react to horizontal tension applied to the engaged rope for increasing the wedging action against said clamping edge in accordance with the magnitude of such tension.

2,469,551
SAFETY WINDOW LOCK ADAPTER
William E. Frietsche, New Hyde Park, N. Y.
Application February 25, 1947, Serial No. 730,807
2 Claims. (Cl. 292—240)



1. A safety window lock adapter comprising a base plate adapted to be secured to one of a pair of relatively movable sashes in place of the cam member base of a window lock, a supporting plate hinged to said base plate being of such a width that it protrudes over the front edge of the sash to which said base plate is secured and having recesses in its thus protruding portion, a bar adapted to be interposed between the hook member of a window lock and the other one of said pair of sashes and having a recessed edge portion into which fits the protruding portion of said supporting plate, and resilient means for spacing apart said base plate from said supporting plate, the latter being adapted for having the cam member of a window lock secured thereto, the thickness of said bar being equal to that of said base plate and said supporting plate together, all substantially as set forth.

2,469,552
DUAL CROSS COMMUNION SET
Delphus Goudreau, Northbridge, Mass.
Application June 12, 1948, Serial No. 41,021
2 Claims. (Cl. 206—19)

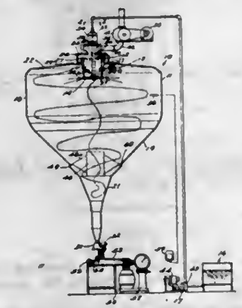


2. A dual cross communion set comprising a relatively large base cross and a relatively small top cross, the latter being adapted to be detachably secured in flatwise condition to the face of the former or selectively supported in upright condition thereon at a right angle thereto, each cross comprising a trunk and a cross arm, a recess in the cross arm of the base cross, said recess opening outwardly at the face thereof and having an undercut portion, there being a recess in the rear face of the trunk of the top cross and a spring clip secured therein, said clip having a central portion extending outwardly thereof and a spring arm terminating the clip, said spring arm being entered in the base cross recess and engageable with the material thereof in the undercut to yieldingly and detachably hold the crosses together, and a fastener holding the spring clip to the trunk of the top cross and extending into the cross arm thereof.

2,469,553
SPRAY DRIER APPARATUS
Joseph M. Hall, Chicago, Ill., assignor to Drying & Concentrating Company, a corporation of Delaware
Application June 14, 1943, Serial No. 490,739
8 Claims. (Cl. 159—4)

1. In a dehydrating system, a dehydrating chamber, a heating zone in the upper portion of said chamber, means for heating said zone, means for circulating and recirculating a drying medium in said chamber through said zone, said means comprising a tubular guide member arranged

axially of said chamber in the upper portion thereof within said zone, angularly arranged baffles on the exterior of said member for causing the medium moving down across the same to move downwardly within said chamber in an outer spiral, a rotating spray head immediately below said member for spraying said product into the downwardly moving drying medium, fan blades



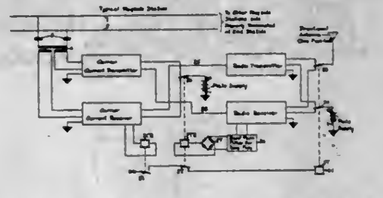
carried by said head for causing said downwardly flowing medium to reverse and flow in an inner spiral upwardly through said member over the top thereof and then downwardly externally thereof through said heating zone, and means for exhausting vapor extracted from said product and for reducing the atmospheric pressure within said chamber.

2,469,554
THE PROCESS OF PREPARING THE LACTONE OF 2 METHYL 3 HYDROXY 4 CARBOXY 5 HYDROXYMETHYL PYRIDINE
Dorothea Heyl, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application May 27, 1944, Serial No. 537,732
1 Claim. (Cl. 260—295)

The process that comprises reacting a mineral acid salt of 2-methyl-3-hydroxy-4:5-dihydroxymethyl-pyridine with potassium permanganate in aqueous solution and recovering the lactone of 2-methyl-3-hydroxy-4-carboxy-5-hydroxymethyl-pyridine.

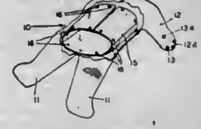
2,469,555
SELECTIVE RADIO COMMUNICATION SYSTEM FOR A PLURALITY OF STATIONS
Forest B. Hitchcock, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application June 19, 1945, Serial No. 600,359
16 Claims. (Cl. 250—6)

5. In a system of communication between a plurality of mobile units traveling through a communication area, a plurality of wayside stations distributed through said communication area, radio transmitting and receiving equipment at each wayside station having a directional antenna for directing its field of radiation and response toward the next adjacent station in one direction but not the other, and each station having an effective range extending to at least the next adjacent station in said one direction, a plurality of mobile units each provided with radio transmitting and receiving equipment of limited range corresponding to said wayside stations whereby each mobile unit is always within range of at least one wayside station regardless of its position in the area, and a wayside communication channel connecting said wayside stations for repeating any message received by the radio receiving equipment at any given way-



side station from a mobile unit within its range to cause the radio transmitting equipment at the remaining wayside stations to retransmit such message for communication to the mobile units within range of the respective wayside stations, whereby each mobile unit can communicate with every other mobile unit in the area regardless of its limited range.

2,469,556
CHILDREN'S SLEEPING GARMENT
Ilamae W. Jacobson, St. Louis Park, Minn.
Application August 7, 1947, Serial No. 766,979
6 Claims. (Cl. 2—83)

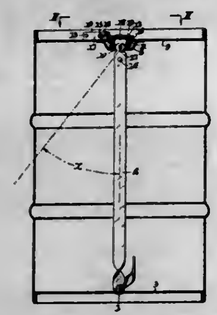


1. A child's sleeping suit comprising a body-enclosing portion, individual limb-enclosing portions for all four limbs having their inner ends connected to said body portion, said individual limb-enclosing portions preventing the suit from twisting on the child's body to eliminate danger of strangulation and permit complete freedom of movement while fully covering the sleeping child at all times, a sheet of moisture-proof material interposed between the medial portion of the child and a portion of the suit adjacent thereto, and means for removably attaching said sheet at both the top and bottom thereof within the body portion of said suit to hold the same in the desired position and prevent bunching and wrinkling of said sheet while permitting removal of the same to facilitate cleaning both the suit and the moisture-proof sheet.

6. A child's sleeping suit comprising a body enclosing portion including arm enclosures and leg enclosures and having a relatively long body portion and low crotch, a liner of moisture-proof material adapted to surround only the medial portion of a child substantially from the waist to slightly below the crotch of the child and having completely open bottom and top end portions to permit substantially unrestricted ventilation for the medial portion of the child's body and to per-

mit substantially unconfined movement of the child's legs, and means for fastening down said liner to said suit to hold the same in protective position therein.

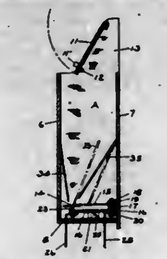
2,469,557
DRUM AGITATOR
Joseph H. Ingraham, Easton, Md., and William Albert Williams, Philadelphia, Pa., assignors to The American Pulley Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 13, 1947, Serial No. 728,290
3 Claims. (Cl. 259—109)



1. A drum having a fitting affixed to a head thereof, said fitting having a circular opening adjacent to a bung hole in said head, and a stirrer bar permanently incorporated in said drum and having an end portion journaled in said fitting at said circular opening, said stirrer bar having an upwardly converging tapered extremity with oppositely disposed notches beneath said tapered extremity forming upper and lower shoulders for engaging said fitting above and below said opening to confine the bar to limited axial movement, the distance between the outer limits of the opposite upper shoulders being greater than the diameter of said opening, and the distance between the outer limit of one upper shoulder and the inner limit of the opposite lower shoulder being less than the diameter of said opening, and the depth and configuration of the notches and the configuration of the tapered extremity being such that prior to assembly of the drum heads the bar can only be engaged centrally within said fitting by relative swinging movement of the bar through an angle with respect to said fitting which is larger than the relative angular movement permitted between the bar and fitting after assembly of the drum and the head carrying said fitting.

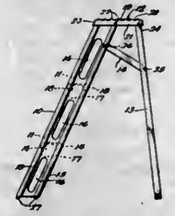
2,469,558
SIGNALING DEVICE FOR MAILBOXES
Louie C. Jaskala, San Francisco, Calif.
Application December 15, 1945, Serial No. 635,269
1 Claim. (Cl. 200—57)

In combination with a mail box and the bottom thereof, an electric light circuit closer mounted therein and embodying in its construction an electric insulation plate spaced above and in proximity to the bottom of the mail box, means removably securing the insulation plate to the said bottom, a pair of metal screws provided through the front portion of the insulation plate straddle the center thereof, and an electric con-



ductor leading from each screw through the bottom of the mail box.

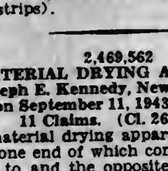
2,469,559
LADDER
Harold A. Johns, Chicago, Ill., assignor to Imagineering Corporation, Chicago, Ill., a corporation of Illinois
Application October 29, 1945, Serial No. 625,378
4 Claims. (Cl. 228—29)



1. A ladder comprising a pair of rails, step means connecting said rails, a back support, a top board having a web wider than said rails equipped with depending flanges, said flanges providing socket portions adapted to grip the forward top portions of said rails when brought thereagainst, means pivotally connecting the rear top portions of said rails to said flanges at an intermediate point on said board to permit said rails to swing within said flanges and bring the forward top portions thereof into engagement with said flanges and permitting said rails to swing rearwardly when the front portion of the board is raised, and means connecting the back support to the rear portion of said board.

2,469,560
INDICATOR PLUG
William B. Jutte, Philadelphia, Pa.
Application May 20, 1946, Serial No. 670,988
15 Claims. (Cl. 136—182)

8. An indicator plug for electric storage batteries comprising a closure member having means for detachably engaging the top wall of a battery cell at an opening therein, and an indicator comprising a liquid-level-indicating float and a hydrometer movable vertically and independently within said closure member and arranged concentrically one within the other with their upper ends affording external indicia, visible all around the circumference of the top of said closure member, of the level and density of the liquid in the battery, said closure member having filling inlets surrounding said indicator but not obstructing its



visibility through which the battery may be filled and vented.

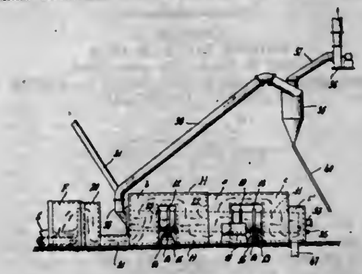
2,469,561
FORCE-LASTED SHOE
Jacob S. Kamborian, West Newton, Mass.
Application March 31, 1945, Serial No. 585,950
9 Claims. (Cl. 36—19.5)



4. A force-lasted shoe comprising an upper including, at the quarter, a lining ply and an outer ply, a sock lining secured to the upper at the vamp and to the lining ply only of the upper at the quarter, the outer ply of the upper being free from the sock lining at the quarter, a wrapper strip joined along one of its edges to the margin of the upper and to the edge of the sock lining at the vamp, a second wrapper strip secured to the margin of the outer ply only of the upper at the quarter by a row of stitches extending longitudinally of said second strip substantially midway between the edges thereof so as to define two flaps each having a free edge, an end stiffener disposed between the plies of the upper at the quarter, a portion at least of one flap of the second wrapper strip underlying the sock lining, a platform secured to the sock lining and to the under surface of the last-named wrapper flap, the secured edges of the vamp and sock lining resting upon said platform, the first wrapper strip which is secured to the vamp and the second flap of that wrapper strip which is secured to the quarter extending down about the side edges of the platform and being lasted in and secured to the under surface of the platform, and an outsole secured to said platform (and concealing the lasted in portions of the wrapper strips).

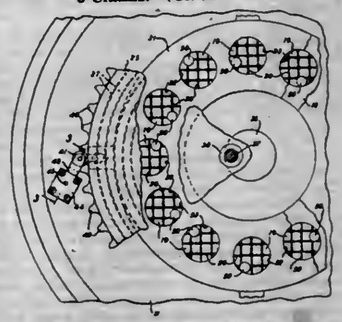
2,469,562
MATERIAL DRYING APPARATUS
Joseph E. Kennedy, New York, N. Y.
Application September 11, 1943, Serial No. 501,939
11 Claims. (Cl. 263—32)

5. In material drying apparatus, an elongated cylinder, one end of which constitutes the material inlet to and the opposite end the material outlet from the cylinder, rotatable supporting means for the cylinder spaced inwardly from the opposite ends of the cylinder adapted to support the cylinder to rotate about its axis, a furnace, a housing comprising chambers enclosing the portions of the cylinder between and at the outer sides of the supporting means and portions above the cylinder relative to the supporting means connecting the chambers at the outer sides of the supporting means in communication with the chamber between the supporting means, with the material inlet end of the cylinder opening to the exterior and the cylinder outlet opening to the interior of the housing, the housing chamber at the inlet end of the cylinder having an inlet for heated gases to the lower portion thereof, means connecting said inlet to the housing in communication with and for the flow of the hot gases of combustion from the furnace into the housing, a baffle extended downwardly from the top of the



chamber between the cylinder supporting means to cause the gases in said chamber to flow downwardly and then upwardly transversely of the cylinder in said chamber, means connected in communication with the material inlet end of the cylinder adapted for connection of means for feeding material therethrough into the cylinder, and suction means connected to said latter means in communication with the material inlet of the cylinder operative for inducing the flow of the hot gases of combustion from the furnaces into the inlet of and through the housing and from the housing into the material outlet end of and through the cylinder.

2,469,563
LAPPING MACHINE
Robert K. Kinard, Allentown, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 4, 1947, Serial No. 739,437
3 Claims. (Cl. 51—120)



1. An apparatus for simultaneously lapping opposite faces of thin articles comprising a plurality of lapping members disposed in circular arrangement at spaced positions with respect to

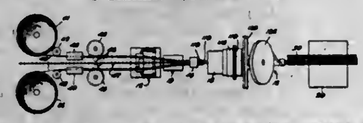
each other and having upper surfaces to receive articles to be lapped, means surrounding the lapping members to form retaining pockets above the upper surfaces of their respective lapping members of like depths less than the final thickness to which the articles are to be lapped, a lapping element positioned above the lapping members and having an under surface to engage all the articles simultaneously, and means to move the lapping element about an axis in a path the diameter of which is substantially equal the diameter of each of the upper surfaces of the lapping members.

2,469,564
ENGINE ROCKER ARM
James M. Leake, Monroe, Mich.
Application August 3, 1945, Serial No. 608,710
6 Claims. (Cl. 74—519)



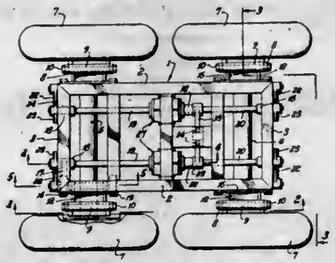
1. An engine rocker arm; comprising an arm member provided with spaced, vertical side walls; a hub member intermediate the ends of said arm member and protruding on each side thereof; and a metal member adjacent said hub member and extending therefrom in contact with said side walls thereby providing a substantially closed chamber between said spaced side walls, an oil passageway extending from said chamber to said hub and an oil passageway extending from said chamber to the lower side of said rocker arm.

2,469,565
APPARATUS FOR FORMING METAL TAPE INTO TUBULAR CONDUCTORS
Alexander Logan, Dundalk, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 23, 1943, Serial No. 511,496
3 Claims. (Cl. 113—33)



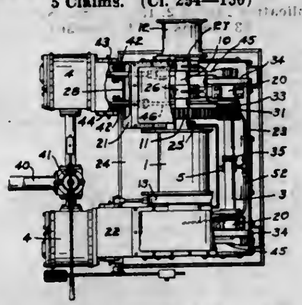
1. In an article forming apparatus, means for advancing continuously a cable core along a predetermined path, means for advancing a pair of conductive tapes continuously along opposite sides of the predetermined path, means for forming into concavo-convex sections said pair of conductive tapes as the tapes are advanced by the tape advancing means, a support reciprocable along a line parallel to the predetermined path, a cam-follower secured to the support, a cam for actuating the cam follower to reciprocate the support, a pair of convex dies slidably secured to the support, a pair of concave dies secured to the support and slidable directly transversely to the line of reciprocation of the support for cooperating with the convex dies to crimp the tapes therebetween, means associated with the cam for moving the convex and the concave dies into operative engagement with each other to crimp the tapes therebetween when the support is moved in the direction the tapes are advanced, means for separating the convex and the concave dies while the support is moved in the direction of movement of the tapes, means for guiding the crimped portions of the tape into association with the cable core, and means for serving tapes around the crimped portions of the first-mentioned tapes after the latter have been guided into association with the cable core.

2,469,566
SPRING SUSPENSION FOR VEHICLE TRUCKS
John J. Low, Los Angeles, Calif.
Application June 18, 1945, Serial No. 600,102
11 Claims. (Cl. 280—104.5)



1. In a torsion-spring suspension for vehicles: the combination of a frame; a plurality of axles with wheels at the side of the frame spaced from each other in a fore-and-aft direction; suspension means connecting the axles to the frame for up and down movement of the frame relative to the wheels; torsion mechanism connected at a point to said frame and including a plurality of torsion spring sections; with inherently flexible means connecting the spring sections to the suspension means to maintain torque in the spring sections for resisting a downward movement of the frame relative to the axles, said means being so constructed and arranged as to leave said spring elements free of restraint when free of torque.

2,469,567
STEAM CARGO HOIST
William C. Markey, Seattle, Wash.
Application November 8, 1944, Serial No. 562,459
5 Claims. (Cl. 254—150)



5. A relatively noiseless steam cargo hoist, comprising: a drum shaft and a drum and driven gear thereon; a hollow main frame including an oil sump, of U-shape in plan, formed with bearings in the opposite legs for said shaft, whereby to support the drum between the legs and the

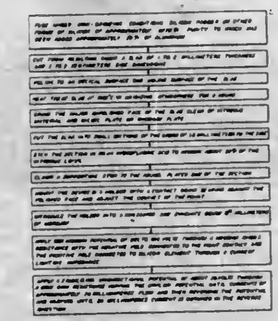
driven gear within the hollow of one leg and dipping within the oil sump; a drive shaft carrying eccentrics and a driving gear, and journaled within the hollow end of the U to mesh the driving and driven gears; two reciprocating steam engines mounted externally and in prolongation of the respective legs; and driving connections, including glanded piston and valve rods extending within the respective legs, and connecting rods and eccentric rods extending through the hollow legs to operative connections with the drive shaft; an oil pump mounted within and receiving oil from the oil sump, and driven from the drive shaft; and oil conduit means extending from said oil pump, within the hollow frame, to selected points therein requiring lubrication.

2,469,568
PIANO ACTION
Benjamin F. Miessner, Morristown, N. J.
Application December 7, 1944, Serial No. 566,979
9 Claims. (Cl. 84—240)

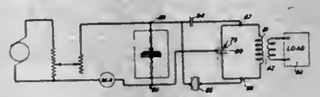


1. In a musical instrument of the piano type, a vibrator, a hammer movably mounted in striking relation to said vibrator, a movably mounted operating key, actuating means operated by said key effective on said hammer to cause the latter to strike said vibrator, a rebound suppressing weight associated with said hammer and movable relatively thereto, and a spring co-operating with said weight to reduce the velocity of the return movement of the hammer from the vibrator, and to neutralize rebound of said hammer relatively to said actuating means upon the return of the hammer thereto subsequently to its impact against said vibrator.

2,469,569
POINT CONTACT NEGATIVE RESISTANCE DEVICES
Russell S. Ohl, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 2, 1945, Serial No. 580,677
13 Claims. (Cl. 250—36)



6. The method of producing a negative resistance element which comprises subjecting a plate of highly pure silicon to a temperature of the order of 1000° centigrade under oxidizing conditions for a period of several hours and removing the resulting outer layer from one of the surfaces of the plate to a depth of the order of 600 Angstrom units to produce a device exhibiting at said surface a resistance which varies in an inverse manner to that of the electromotive force applied between the reduced face and a point contact bearing thereon.



12. A negative resistance device comprising a body of P-type highly pure silicon having separated surface portions, a metallic layer of high conductivity intimately joined to one of said surface portions, a layer of vitreous material including silicon and silicon dioxide intimately joined to another of said surface portions, and a pointed fine metallic contactor in pressure contact with said vitreous material, said vitreous material having submicroscopic holes in the portion intermediate said contactor and said body.

2,469,570
ADJUSTABLE ACTUATING MEMBER
Willard E. Parish, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application September 29, 1947, Serial No. 776,731
1 Claim. (Cl. 287—52.08)

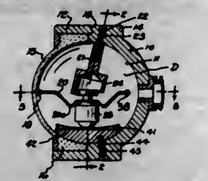


A shaft, an actuating member carried thereon, a screw rotatably mounted in the actuating member, said shaft being formed with a plurality of circumferentially spaced apart teeth, said screw being cooperable with said teeth upon rotation to effect relative rotation between the shaft and the actuating member, a second screw having threaded engagement with said first screw and being cooperable therewith and with said actuating member to clamp said first screw against rotation.

2,469,571
FLIGHT POSITION INDICATOR FOR AIRCRAFT
Oliver V. Phillips, Denver, Colo.
Application November 2, 1945, Serial No. 626,390
7 Claims. (Cl. 33—206)

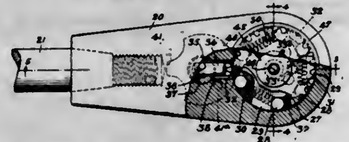
1. An aircraft instrument including, a housing having a chamber therein defined in part by a transparent cover member, a support within said chamber, an assembly suspended from the support for universal movement within the housing, an indicating bar visible through the transparent cover member secured to the upper portion of the assembly, a weighted element confined by the lower portion of the assembly and mov-

able longitudinally thereof, a concavo-convex supporting surface within the lower portion of the chamber and having the weighted element of the assembly riding thereon, the radius of the curvature of said concavo-convex supporting surface being greater than the distance between the center point of said surface and the point of suspension between the assembly and its support,



whereby the weighted element and assembly and the indicator bar attached thereto travel through a greater number of degrees than the degree of actual inclination of the instrument when the same is tilted from true vertical during flight of the aircraft in which the instrument is mounted, thereby resulting in an amplified movement of the indicator bar.

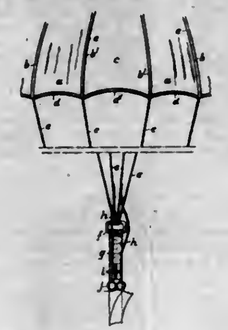
2,469,572
REVERSIBLE FRICTION CLUTCH WRENCH
Lawrence E. Pratt, Riverdale, Ill.
Application December 13, 1943, Serial No. 514,069
22 Claims. (Cl. 74—157)



1. A reversible friction sealed-chamber wrench comprising a handle and head in the form of a sealed chamber, the latter having a transverse opening therethrough, a relatively rotatable member having a sprocket fitting within the opening and a shank projecting laterally therefrom to carry a nut socket, locking rollers between the circular or ring-like wall of said opening and the seats for the rollers in the sprocket, roller reversing means in the chamber, means in a side opening in the chamber to engage and control the said reversing means and rollers for reversal operation of the wrench, a non-metallic dirt-excluding washer in the opening around said shank, means for excluding the entrance of dirt to said side opening, and a dirt-excluding cap closing the mouth of said opening over the sprocket, whereby a sealed chamber is formed around the rollers and seats and all dirt is excluded therefrom.

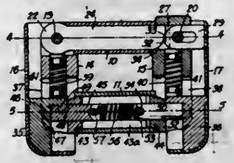
2,469,573
PARACHUTE
John Raymond Cuthbert Quilter, Woking, England
Application May 8, 1946, Serial No. 668,287
In Great Britain May 3, 1945
3 Claims. (Cl. 244—152)

1. A parachute including a canopy composed of substantially equal triangular gores, seams connecting said gores together at their edges, and a continuous band forming the peripheral zone of said canopy, the number of said gores being one less than the number required to cover the area of said canopy so as to leave in the canopy when deployed a gap of substantially triangular shape between two of said gores, means for supporting



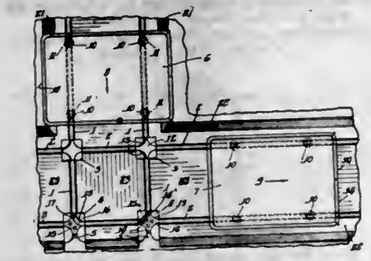
a parachutist, shroud lines connecting the peripheral zone of said canopy to said supporting means, and selective means for increasing the tension in either of said gore-edge seams adjacent to the gap, said selective means being operable by the parachutist.

2,469,574
DETACHABLE CONNECTOR FOR TENSILE MEMBERS
John Raymond Cuthbert Quilter, Woking, England
Application March 13, 1947, Serial No. 734,302
In Great Britain March 21, 1946
4 Claims. (Cl. 294—83)



4. A detachable connector for tensile members, adapted for manual disconnection while under tension, comprising two normally parallel members over which the adjacent ends of the tensile members are looped, two side-pieces in which the extremities of said parallel members are engaged, two spring-controlled grips mounted on said side-pieces, said grips being adapted for sliding longitudinally of the respective side-pieces and subsequent closing movement towards one another, a pivot mounted in one of said side-pieces, one of said normally parallel members having one extremity carried by said pivot, the opposite extremity of said one normally parallel member being engageable in a recess in the other of said side-pieces, and means for locking said side-pieces together, the sliding movement of said grips first releasing said locking means, and the closing movement of said grips then disengaging said one normally parallel member from said recess for swinging movement about said pivot to free the respective tensile member.

2,469,575
TRAMWAY
Hurley D. Ralston, Oak Park, and Reuben A. Pearson, Aurora, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 19, 1944, Serial No. 531,710
2 Claims. (Cl. 246—465)



1. In a system of traffic channeling, the combination with a plurality of coordinately arranged trackway sections, each comprised of equally spaced channels, junction plates located at intersection points between sections, said plates having a central recess conforming in depth to that of said channels and filleted to provide arcuate juncture between the adjacent vertical wall surfaces of transversely related rail sections, and means for achieving variously predetermined traffic routes in said system comprising removable switching frog elements insertable into any one of said plates according to intended routing, said frog elements constituting a routing curvature located in an outermost junction plate when establishing a turn in a traffic routing system.

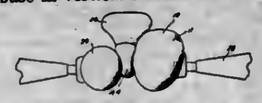
2,469,576
HAIR CURLER
Saidee M. Ritter, Los Angeles, Calif., assignor of one-third to Ethel N. Haynor and two-thirds to Archie E. Coppleman, both of Los Angeles, Calif.
Application February 10, 1947, Serial No. 727,526
1 Claim. (Cl. 132—38)



A hair curler, as described, comprising in combination a pair of substantially flat, net-like elements adapted to be arranged in overlapping position, and means for clamping said elements together with a lock of hair therebetween, said elements including a common wire frame adapted to be bent to permit positioning in overlapping arrangement.

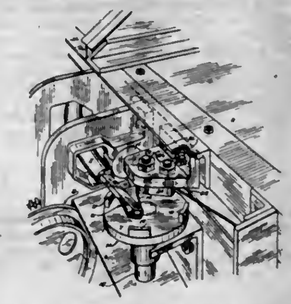
2,469,577
TRUSS CONSTRUCTION
Jose Rodrigues, Fall River, Mass.
Application March 12, 1945, Serial No. 582,263
5 Claims. (Cl. 128—96)

1. A truss comprising a rigid base including two aligned parts locked to each other at their inner ends and relatively adjustable to provide an extended or contracted length for the base, a rupture pad rigidly mounted on one base part and a balance pad rigidly mounted on the other base part, an abdominal plate pivotally mounted on said base in vertical intermediate relation to



the spaced pads, said base parts each having a strap end securing buckle, and a flexible belt of non-stretchable material having its ends detachably connected to said buckles.

2,469,578
BALER WIRE CUTTING AND HOLDING MEANS
Martin Ronning, St. Louis Park, and Kenneth M. Keith, Minneapolis, Minn., assignors, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota
Application November 1, 1946, Serial No. 707,210
9 Claims. (Cl. 100—20)

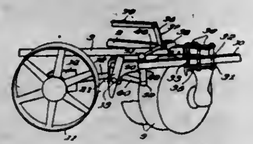


7. For a hay baler of the character described having mechanism operative to position an end portion of a length of wire around the bale and mechanism for forming a tie where the wire meets around the bale, means for severing the tie from the remaining length of the wire and for gripping the end thereof while another bale is formed, comprising a rotary disk positioned adjacent the tying mechanism, said disk having a series of cutting and holding lugs, a member stationarily supported adjacent the path of the lugs, and said stationary member having portions adapted first to cooperate with one of the lugs to grip a portion of the wire and then to cut the wire between the gripped portion and the tie, and said gripping and cutting portions of the stationary member being positioned inside the path of the lugs whereby the gripped portion of the wire will be released as each tie is completed and will move clear of the next lug as the disk rotates.

2,469,579
LIFT MECHANISM FOR DISK PLOWS
Arthur A. Scarlett and Howell N. James, Hamilton, Ontario, Canada, assignors to International Harvester Company of Canada, Limited, Hamilton, Ontario, Canada
Application October 8, 1945, Serial No. 621,094
2 Claims. (Cl. 97—101)

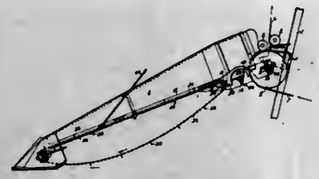
1. In an agricultural implement, a supporting frame including a tool-carrying beam, a furrow

wheel at the forward end of the beam, a wheeled truck mounted at the rear end of the beam for adjustment with respect thereto about a vertical axis, a land-wheel carried by the truck, lift means deriving power from the land-wheel for raising and lowering the beam and truck with respect thereto including a crank axle supporting the land wheel and pivoted on the truck for swinging movement on a horizontal axis, a rock arm pivoted on the frame on a horizontal axis, a ball at the end of said crank-axle and said rock arm, means operatively connecting said rock arm to



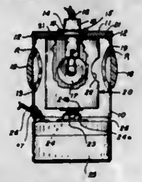
said furrow wheel for lifting the frame with respect thereto, and power transmitting means accommodating adjustment of the truck with respect to the frame connecting said crank axle with said rock arm comprising a generally vertically extending thrust link, and a socket at each end of said link adapted to receive said balls and form joints therewith, said link being arranged to transmit motion from the crank-axle to the rock-arm, whereby said frame will be lifted with respect to said furrow wheel simultaneously with lifting of said truck with respect to the land wheel.

2,469,580
ROTARY BALER
Charles J. Scranton, La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 8, 1944, Serial No. 525,482
4 Claims. (Cl. 100—1)



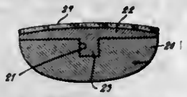
1. In a machine embodying apparatus for baling fibrous material delivered thereto, a frame structure operatively mounting means for compressively pulling fibrous material into said machine comprising a roll having one or more bands travelling over the compressing portion of the roll, a material pick-up and elevating conveyor supported on parts carried by said frame structure and with the discharge end thereof positioned in spaced opposed relation to and below the compressing portion of said roll and with the pick-up end thereof positioned in proximate relation to the ground, a rotatable device also supported on parts carried by said frame structure and positioned thereby between the discharge end of said conveyor and said roll and below the compressing portion of the latter, said device including elements providing pockets adapted to receive foreign material gravitating from the fibrous material passing from the discharge end of said conveyor to the compressing portion of said roll, and means for operating said device to move said pockets successively to foreign material receiving and discharging positions.

2,469,581
REAR BLINKER LAMP FOR AUTOMOBILES
Paul Richard Slosar, Bridgeport, Conn.
Application April 16, 1947, Serial No. 741,777
3 Claims. (Cl. 177—329)



1. In a blinker lamp for a vehicle, an outer fixed cup-shaped casing having a removable top and an aperture in the side thereof, a lamp depending from the top of said casing, a cylindrical shield surrounding said lamp, and having a side aperture in alignment with said lamp and the aperture of said casing, and a motor having a vertical shaft for supporting and continuously rotating said shield to produce a continual blinking action, said casing having an intermediate inturned rib located to engage the upper end of the motor to lock said motor and said shield securely as a unit in said outer casing.

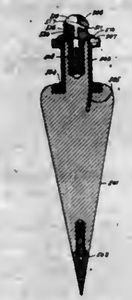
2,469,582
MUSICAL STRINGED INSTRUMENT
Emerson Strong, Hempstead, N. Y., assignor to The Fred Gretsch Manufacturing Company, Brooklyn, N. Y., a corporation of New York
Application August 31, 1945, Serial No. 613,908
4 Claims. (Cl. 84—293)



3. A neck for a musical instrument comprising an elongated base element having a centrally disposed longitudinal groove, a fingerboard of substantially T configuration adapted for union with said base element, and a longitudinal tongue on said finger board constituting the vertical part of said T configuration arranged and constructed for sealed disposition in said groove.

2,469,583
ADJUSTABLE PLUMB BOB
Lew Suverkrop, Bakersfield, Calif.
Application July 30, 1945, Serial No. 607,877
6 Claims. (Cl. 33—217)

1. A plumb bob comprising in combination, a body having a central axis arranged to be suspended during use in a vertical position, a flanged reel mounted on the upper end of said body for rotation around said central axis of said body, and a head mounted above the upper flange of said reel and disposed inward from the periphery of said upper flange, said head including slot means constructed and arranged freely to receive a string from the periphery of the upper flange of said reel and dispose said string in a tortuous path to restrain movement thereof relative to said head and also position said string so that it extends upward from said head in alignment with the vertical axis of said body, whereby the upper



flange of said reel may readily be manually engaged to rotate the reel in opposite directions to raise or lower said plumb bob when suspended from said string.

2,469,584
DIELECTRIC COMPOSITION AND METHOD OF MAKING SAME
Eugene Wainer, Niagara Falls, and Allen N. Salomon, Malone, N. Y., assignors, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 11, 1945, Serial No. 615,701
16 Claims. (Cl. 106—39)

1. The ceramic dielectric consisting of an alkaline earth metal titanate and from 0.05% to 1% by weight of manganese dioxide.

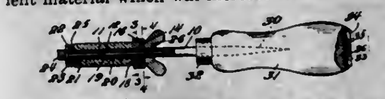
2,469,585
BITUMINOUS MIX
Bertrand H. Walt, New Rochelle, N. Y.
Application March 29, 1944, Serial No. 528,631
3 Claims. (Cl. 259—148)



1. Those steps in the method of preparing a bituminous paving mixture which comprise heating a bituminous material to a temperature at which it is fluid, incorporating said hot fluid material with an aggregate in a quantity at least sufficient completely to coat the particles of said aggregate with a thin film of said material, mixing said aggregate and said material together while preventing substantial loss into the circumambient air of volatile constituents from said bitumen and resultant reduction in the penetration thereof by maintaining a protecting blanket of steam at substantially atmospheric pressure over the top of said mixture substantially throughout the mixing operation.

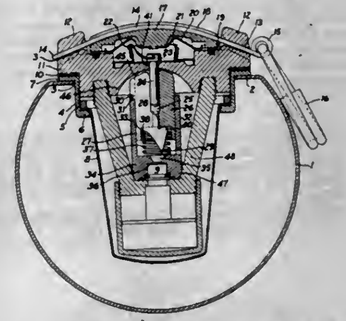
2,469,586
TOOL FOR CLEANING CONCAVE CYLINDRICAL SURFACES
Raymond C. Wallace, Pawtucket, R. I.
Application March 3, 1948, Serial No. 12,765
4 Claims. (Cl. 51—184.1)

1. A tool for cleaning a concave cylindrical surface comprising a threaded shank, a cylindrical member having an external abrading surface and an axial bore tightly engaging said shank, said member being formed of elastic resilient material which will increase its outer diam-



eter as its axial dimension is reduced, and a member having an engaging surface slidably and non-rotatably mounted on said shank to compress said member axially and radially while restricting the diametrical expansion at its engaged end to prevent rotation of the same upon the shank.

2,469,587
IMPACT FUSE
Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 20, 1945, Serial No. 578,842
6 Claims. (Cl. 102—81.6)

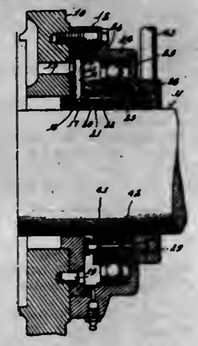


1. An impact fuse for bombs comprising a body portion containing explosive material, a primer, an apertured plunger telescopically mounted in a holder for the primer, a key carried between the plunger and holder, said key including a pointed end forming a firing pin, a cam on the key adapted to engage and be restrained from movement by the holder, an arming pin extending into the aperture in the plunger and engaging the key, a spring engaging the key and holder, said spring being adapted to move the key inside of the holder when said arming pin is removed whereby the shock of the bomb coming to rest may cause the plunger to telescope into the holder moving the key to strike the primer.

2,469,588
SEAL
George R. Aschauer, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin
Application March 16, 1946, Serial No. 654,897
12 Claims. (Cl. 285—97.1)

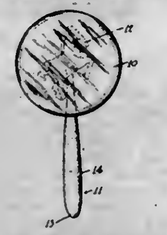
1. An annular seal for supplying fluid to a rotating member comprising rotating and stationary components, the rotating component being constituted by a ring connected to the member for rotation therewith and having an annular sealing face and a passage leading from the face

to the member, means for clamping the ring against the member, and the stationary component comprising ring means having an annular channel in opposite relation to the face, a sealing ring slidable in the channel and spring



actuated to bear against the face and having a passage communicating with the first named passage, means for maintaining registration of the passages, and a conduit providing communication between the last named passage and a fluid source.

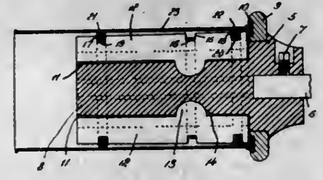
2,469,589
CONFECTION WITH SUPPORT THEREFOR
Jack Barricini, Searsdale, N. Y., assignor, by mesne assignments, to The Toy Pop Corporation, New York, N. Y., a corporation of Delaware
Application September 20, 1948, Serial No. 50,180
7 Claims. (Cl. 99—138)



1. As a new article of manufacture, a confection comprising an eatable member and a support therefor, said support comprising a body of polyethylene and having an ornamental figure at one end portion thereof formed of polyethylene integral with the body of the support and imbedded and secured in the eatable member.

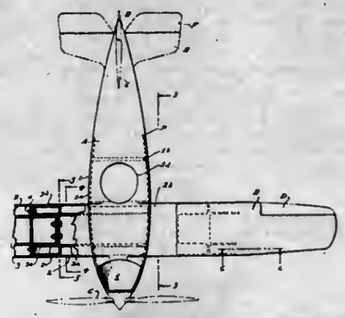
2,469,590
BOBBIN HOLDER
Edgar R. Blount, Rome, Ga., assignor, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
Application June 26, 1945, Serial No. 600,591
8 Claims. (Cl. 242—46.2)

1. A bobbin holder comprising a head adapted to be secured to a rotatable shaft and an elongated body member extending axially therefrom and having a plurality of circumferentially spaced longitudinal slots, a radially extending arm in each of said slots and capable of a slight longitudinal rocking movement therein, resilient means, associated with both the outer and inner extremities of said arms, arranged to rock said



arms so that their ends farthest removed from said head are depressed, and means adapted to cooperate with a bobbin being placed on the holder for rocking said arms so that their aforesaid ends are protracted into gripping contact with the bobbin.

2,469,591
AIRPLANE CONSTRUCTION
Allen J. Buttler, Los Angeles, Calif.
Application March 28, 1945, Serial No. 585,211
6 Claims. (Cl. 244—124)

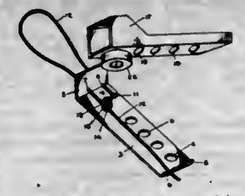


1. In an airplane, a wing comprising an inner unit and an outer unit, the latter abutting against the former, said units having spaced spars between and substantially parallel to the entering and trailing edges of the units, one of the units having intermediate its spars and intermediate its upper and lower skin surfaces a cut-out portion, the other unit having a middle portion, between the spars, extending laterally beyond the portions located between the spars and the entering and trailing edges, said middle portion extending into the cut-out portion of the former unit.

2,469,592
LOCKING DEVICE
John Walter Byer, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application February 6, 1948, Serial No. 6,791
5 Claims. (Cl. 70—65)

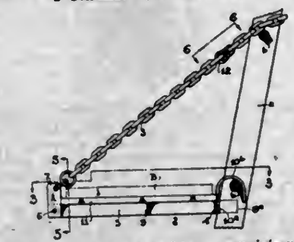
1. A lock ailing comprising a plate having an opening therein, a rope having one end fixed to said plate, means for securing the other end of said rope to said plate, and a cover having an

opening therein removably mounted on said plate, said openings in said plate and said cover being



adapted to receive a lock for locking the plate and cover assembly.

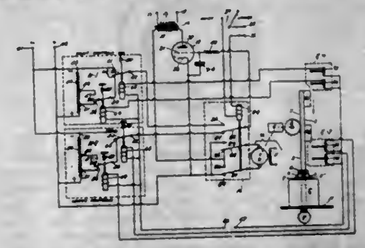
2,469,593
LADDER JACK
Ernest L. Coble, East Cleveland, Ohio, assignor to The Star Welding & Manufacturing Company, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 3, 1948, Serial No. 407
3 Claims. (Cl. 248—238)



1. A ladder jack for a ladder comprising a frame having a base member adapted to engage the ladder rails and extending beyond the opposite outer sides thereof, converging side members connected at their inner ends to said base member intermediate the ends thereof and connected together at their outer ends, a supplemental side member connected to the outer side of each of said converging side members intermediate its opposite ends and the adjacent outer end of said base member and provided with an extension extending outwardly of said base member and adapted to be disposed in overlapping relation to the outer side of the adjacent ladder rail, rung engaging members secured to the outer side of said base member inwardly of the ladder rails and extending upwardly and outwardly from said base member for engagement with a ladder rung and arranged to co-operate with said base member to support the latter in engagement with the ladder rails, and chains connected at their inner ends to the outer ends of said converging side members, the outer end portion of each chain being adapted to be wrapped around one of the ladder rails in engagement with a rung above the rung engaged by said rung engaging members.

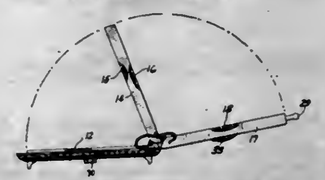
2,469,594
HOIST-LOWER CONTROL
George L. Danforth, Danvers, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application July 26, 1947, Serial No. 763,919
6 Claims. (Cl. 318—282)

5. In a submarine listening apparatus carried and supported at the end of a shaft adapted to be extended through the hull of a vessel into the water, said shaft having limiting positions for retraction into the vessel and extension into the water, electric motor means, a gaseous conduction tube having a grid bias control element, means supplying power to said motor through said gaseous conduction tube; a source of negative bias potential for said grid, a potential divider connected between said source and the cathode of said tube; a plurality of taps on said potential divider, of which a first tap provides a first bias potential for conditioning said tube for full motor speed, a second tap provides a second bias



potential for conditioning said tube for reduced motor speed, and a third tap provides a third bias potential for substantially cutting off said tube; a pair of switch means controlling the connection of said taps to said grid, and normally connecting said first tap to said grid; and switch control means mounted on said shaft and disposed to operate one of said switch means to connect said second tap to said grid in place of said first tap when said shaft approaches the vicinity of a limit position, and to operate the other switch means to connect said third tap to said grid in place of the second tap when said shaft is in said limit position.

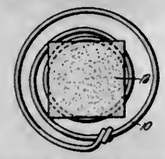
2,469,595
COOKING APPARATUS
Allen T. Foster, Chicago, Ill.
Application February 27, 1948, Serial No. 11,539
6 Claims. (Cl. 99—374)



1. A cooking utensil comprising a horizontal base platen, an upper platen and an intermediate platen disposed in superposed horizontal relation on the base platen when in closed relation, means pivotally connecting the platens each to another along one side of the utensil to enable swinging movement of the upper and intermediate platens on horizontal axes to and from the respective closed positions, said upper platen being swingable manually from the horizontal closed position to a first open substantially upright position and from the latter position to approximately a horizontal second open position, and means for supporting the upper platen in said first open position against gravitational movement therefrom and for entraining said intermediate platen for swing-

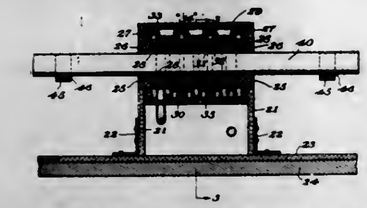
ing movement from the closed position thereof to an open position upon manual movement of said upper platen from said first open position to the second open position thereof.

2,469,596
SPRING
Percy Glenn Groom, Hamilton, Ontario, Canada
Application August 1, 1947, Serial No. 765,425
2 Claims. (Cl. 5—254)



1. A compression spring comprising a spring wire structure consisting of a single length of wire formed to provide a pair of spirally wound ends, a plurality of normally, widely spaced helical coils centrally between said ends, said helical coils being of equal diameters, and other helical coils between said central coils and ends being of gradually increasing diameters; in combination with a core of sponge rubber having a cross sectional area at its central portion as great as the area surrounded by the central portion of the spirally wound spring structure and having said central helical coils embracing the core to compress it on a helical line.

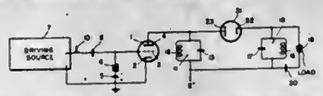
2,469,597
METHOD OF AND APPARATUS FOR HEATING, SIZING, OR FORMING QUARTZ TUBES AND PROFILES
Gustav Gulgas, Livingston, N. J.
Application February 1, 1946, Serial No. 644,704
14 Claims. (Cl. 49—7)



1. Apparatus for heating, forming or sizing quartz tubes or the like, comprising a heating unit, said heating unit comprising a heating shell to be heated by electrical induction, said heating shell having a side opening, a high frequency coil surrounding the heating shell and having a side opening disposed adjacent to the first named side opening, the quartz tube to be heated being passed laterally through the side openings into the heating shell.

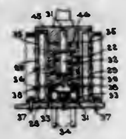
2,469,598
HARMONIC CLASS C AMPLIFIER
Albert S. Harris, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application April 25, 1947, Serial No. 744,003
12 Claims. (Cl. 250—36)

1. In a high efficiency amplifier circuit, a first and a second tank circuit, means for impressing pulses at a predetermined frequency on said first tank circuit for exciting it, and switching means automatically operable at the frequency



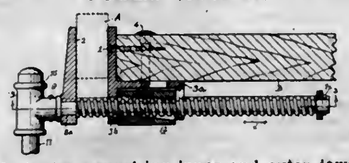
of said pulses for conductively connecting said two tank circuits and for delivering power from said first to said second tank circuit.

2,469,599
APPARATUS FOR MOLDING BUILDING BLOCKS
Albert Henry Hawes, Birmingham, England, assignor, by mesne assignments to Kwikform Limited, Birmingham, England, a British company
Application January 9, 1946, Serial No. 639,952
In Great Britain January 17, 1945
8 Claims. (Cl. 25—41)



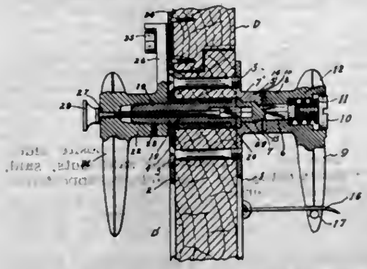
1. Apparatus for moulding building blocks of the type comprising a pair of wall members connected together so as to provide a cavity therebetween by means of transverse block portions, said apparatus, comprising a mould including a stationary base and side walls, and movable tamping member, a core projecting from said stationary base and extending completely between an opposed pair of mould walls, said core being adapted to form between the wall members of the block a similarly extending cavity, a movable base formed in two parts disposed each at opposite sides of said core, pallet members on each of said movable base parts extending correspondingly to said core completely between the said opposed mould walls, said core having transverse vertical slots extending downwardly from its upper edge, said slots being adapted to receive said transverse block portions, bridge pieces connecting said pallet members at opposite sides of the core extending through said slots, said bridge pieces being adapted each to support one of the said transverse block portions, and means for raising said movable base and pallet members thereon to bring the moulded block clear of the mould walls leaving the latter and the core stationary.

2,469,600
VISE WITH QUICK POSITIONING JAWS
Sidney W. Jordan, Cleveland, Ohio
Application August 17, 1945, Serial No. 610,927
2 Claims. (Cl. 81—36)



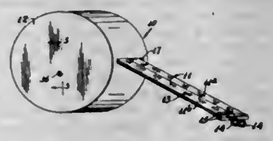
2. A vise comprising inner and outer jaws, a base for supporting said inner jaw and for slidably supporting said outer jaw and provided with inner and outer abutments, a feed screw rotatably carried by said outer jaw, a hollow movable member surrounding said feed screw, the upper side of the interior wall of said movable member adjacent its inner end and the lower side of said interior wall adjacent its outer end being concentric to a common axis and provided with screw threads arranged to engage and disengage the threads on said screw and the upper side of the interior wall of said hollow member adjacent its outer end and the lower side of said interior wall adjacent its inner end being concentric to a common axis which bisects the axis of said threaded sides of said interior wall, said upper inner and outer sides of said interior wall forming between them a transversely disposed trunnion engaging the threads of said feed screw to support said hollow member thereon, the screw threads of said screw when rotated in either direction being arranged to move said trunnion longitudinally thereof, and a projecting element carried by said hollow member adjacent one of said abutments, the turning of said screw in the work clamping direction serving first to move said hollow member longitudinally and into engagement with the other of said abutments, and then to rock said hollow member in a direction to engage its threaded portions with the threads on said screw, the turning of the screw in the work unclamping direction serving first to move said hollow member longitudinally to effect engagement of said element with the adjacent abutment and then to rock said hollow member in an opposite direction so as to disengage its threaded portions from the threads on said screw.

2,469,601
DOOR LATCH
Gustav A. Lee, Spokane, Wash.
Application July 2, 1945, Serial No. 602,715
2 Claims. (Cl. 292—202)



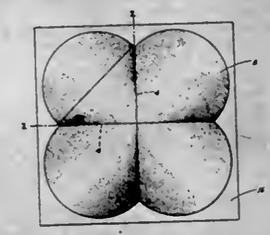
1. In a latch lock for a door including an inner rotatable latch operating handle and an outer rotatable latch operating handle, the combination with an inner attaching plate having a cylindrical sleeve thereon adapted to extend into the door, and terminate adjacent to the outside surface of the door, an outer attaching plate having an inwardly facing recess aligned with the sleeve and spaced therefrom, of a tubular spindle journalled in the sleeve and having an exterior flange bearing on the end of said sleeve, said spindle being secured to the inner operating handle, a shank having a flange seated in the recess of the outer plate and extending out through said plate rotatable with the outer operating unit, a push and pull key slidably mounted in the spindle and having a connector carried thereby, the spindle and shank having seats in their adjoining end portions for the connector whereby they may be secured thereby to rotate together.

2,469,602
MOVING PICTURE TOY
Ethel M. Leigh, Lyndhurst, N. J.
Application November 9, 1945, Serial No. 627,703
3 Claims. (Cl. 46—1)



1. A tape toy comprising a plurality of separate non-adhering tapes mounted upon a single core within a case and being superimposedly wound around said core mounted within said case, said core being rotatably mounted in the case, such mounting including a spring for the purpose of automatically retracting said tapes, said tapes having complementary designs thereon, and at least one of said tapes being transparent and at least one of said tapes having a pull member mounted on the end of the tape, whereby the tape may be retractably pulled from the case.

2,469,603
BUILDING CONSTRUCTION
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application February 15, 1943, Serial No. 475,885
4 Claims. (Cl. 72—1)



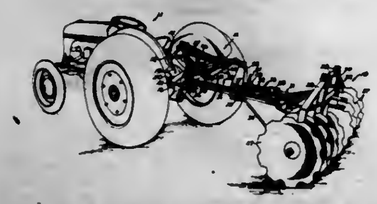
4. A building structure including a roof, such roof comprising a plurality of sections, each section being curved about a horizontal axis and each having a like constant radius, the inner ends of the sections being interfitted with each other about a common center point with the horizontal axes of the sections all intersecting at such center point, a side wall for each roof section each such side wall being curved about a vertical axis and which vertical axis intersects the horizontal axis of the adjacent roof section, the radius of curvature of said side wall section being the same as that of the adjacent roof section, and each of said side wall sections being interfitted with the outer end of the adjacent roof section.

2,469,604
SKI RETAINER
Harold R. Lynn, Montreal, Quebec, Canada
Application April 5, 1946, Serial No. 659,932
1 Claim. (Cl. 280—11.37)



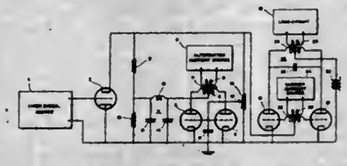
In ski retainers, the combination of a pair of skis, with running surfaces facing each other, a rigid separator block removeably located between the central portion of said skis, said separator block having a one-piece resilient covering over the top, bottom and sides thereof, strap retaining members projecting from one side of the said covered block, straps secured at their centers to the other side of said covered block and encircling said skis and having their ends removeably secured to said strap retaining members, resilient end separator blocks each removeably located between said skis at one end thereof, said resilient blocks being less in thickness than said rigid separator block and tapered toward the ends of said skis, elastic extension portions integral with and extending from one side of each of said resilient blocks, a button protruding from the other side of each of said resilient blocks, the said elastic extension portions being stretched around said skis and removeably secured to said button by means of a button hole in each of said extension portions, the said skis being thereby bent longitudinally and retained with the running surfaces thereof held more widely separated at the center than at the ends, a strap secured to one side of said rigid separator block and adapted to encircle a pair of ski-poles, and an identification plate secured to the other side of said rigid separator block.

2,469,605
CONNECTING AND OPERATING MECHANISM FOR TRACTOR DRAWN DEVICES
Augusta P. McKay, Cedartown, Ga., assignor to Rome Plow Company, Cedartown, Ga., a corporation of Georgia
Application June 7, 1944, Serial No. 539,126
16 Claims. (Cl. 55—81)



1. In a mechanism for attaching an implement or the like to a tractor having a pair of power operated links trailing side by side from its rear end and pivoted on the tractor at their forward ends to swing up and down about a horizontal axis, the combination of a draft member having a slide mounted thereon for fore and aft sliding motion, a standard, means hingedly connecting the lower end portion of said standard to the front end portion of said draft member for tilting motion of the standard in a direction generally fore and aft of such member while affording lateral swinging motion of the draft member relative to the standard, an operating connection between the upper end portion of said standard and said slide, a drawbar located above said draft member extending generally transversely of the same and arranged for free movement toward and away from the draft member in a generally vertical direction, said drawbar being displaced rearwardly of the standard and having means on its ends for detachably securing the same to the trailing end portions of the links on the tractor, means including a compression member rigidly connecting the drawbar to the standard and means extending laterally from the lower end portion of said standard for connecting the same to the intermediate portions of said links.

2,469,606
VIDEO SIGNAL LEVEL CONTROL
Louis F. Mayle, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application October 25, 1945, Serial No. 624,340
5 Claims. (Cl. 332—38)

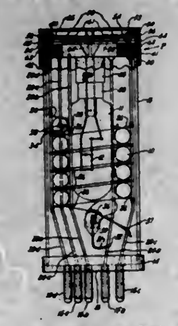


1. A video signal level control system comprising, a video signal vacuum tube amplifier having input and output circuits, a source of video signals coupled to the input circuit of said video signal amplifier, a source of alternating current, a grid controlled vacuum tube alternating current rectifier having an input circuit coupled to said alternating current source and an output circuit coupled to the output circuit of said video signal amplifier for supplying unidirectional space current thereto, a coupling between the output circuit of said video signal amplifier and the control grid circuit of said rectifier to control the magnitude of the unidirectional current supplied to said video signal amplifier in accordance with variations of the level of said video signals, and a utilization circuit coupled to the output circuit of said video signal amplifier.

2,469,607
ELECTRIC LAMP UNIT
Edward B. Noel, Cleveland Heights, and Paul B. Davis, East Cleveland, Ohio, assignors to General Electric Company, a corporation of New York
Application September 20, 1943, Serial No. 503,068
16 Claims. (Cl. 240—1.3)

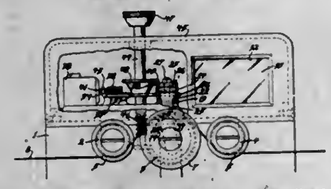
1. In a lighting unit, the combination of a supporting structure comprising a base with contact terminals and having at one end an opening for passage of a lamp bulb, and a discharge tube lamp bent into a hollow configuration and supported from said supporting structure with the axis of said configuration extending inward from the base, and having its electrodes electrically connected to contact terminals of the base, of a lamp socket normally extending inward through the said opening of said supporting structure, but separable from the latter outward through said opening, and a lamp bulb mounted in said socket and normally extending inward in the midst of the tube configuration, but withdrawable therefrom outward through said opening with said socket, and means for automatically connecting

the lamp socket to contact terminals of said base other than the terminals connected to said dis-



charge tube when the socket is within said opening.

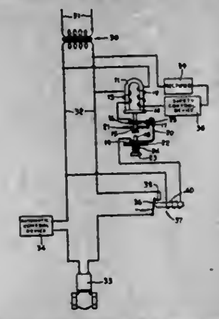
2,469,608
DEVICE FOR INSPECTING FEED PERFORATED STRIPS
Charles E. Phillimore, Chicago, Ill., assignor to Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application July 29, 1946, Serial No. 686,967
4 Claims. (Cl. 73—157)



1. In a device of the character described, the combination with guide means for longitudinally guiding a marginally feed perforated strip comprising a guide roller about which said strip is trained for guiding said strip in a curved path past a detecting station with the feed perforated portion of said strip overhanging an end of said roller, of a deflecting member engageable with the internal curved face of said strip outwardly beyond said roller end and operative to deflect a damaged feed perforation portion of said strip outwardly of the external curved face of said strip as said damaged portion passes said detecting station, and a detecting member arranged in overlying relation with the external curved face of said strip and engageable with said damaged portion as said damaged portion passes said detecting station and mounted for movement longitudinally of said strip responsive to said engagement to detect said damaged portion.

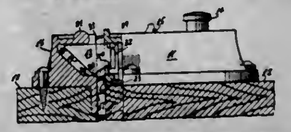
2,469,609
ELECTROMAGNETIC SWITCHING SYSTEM
William A. Ray, Los Angeles, Calif., assignor to General Controls Co., a corporation
Application January 1, 1944, Serial No. 516,733
5 Claims. (Cl. 175—320)

1. In a system for controlling the energization of a load by A. C. from a source thereof: an electromagnetic device comprising a core member and a cooperating armature member; a source of D. C. for energizing said electromagnetic device; a rectifier, energized by A. C. from said source thereof, for providing said source of D. C.; means for controlling the energization of said electromagnetic device; said electromagnetic device being so designed that while energized it is capable of retaining the armature member in attracted position when the armature member is first brought to that position but is incapable of attracting the armature member from its unattracted or released position, the armature member being biased to said unattracted position; one of said members of the electromagnetic device being of material whose remanence in relation to the armature-member bias is such as to effect reten-



tion of the armature member in attracted position when the electromagnetic device is deenergized; demagnetizing means normally continuously applying a demagnetizing force to said one of the members in an amount only sufficient to effect release of the armature member when the electromagnetic device is deenergized, said demagnetizing means being energized by A. C. from said source thereof so that in the event of failure of that source the armature member is then retained in attracted position despite the coexisting deenergization of said rectifier; and switching means, actuated by movement of the armature member, for controlling the energization of said load.

2,469,610
NONDETRUDABLE SAFETY LOCK
Rafael Rocha, Vanport City, Oreg.
Application May 14, 1947, Serial No. 748,041
9 Claims. (Cl. 292—2)

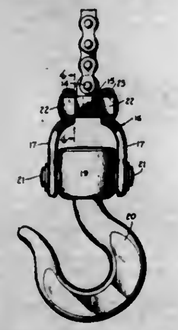


1. A latch for a door or the like, comprising a spring pressed bolt having a flat side and a smooth inclined striking face extending rearwardly from said flat side, wherein a single smooth and counterinclined surface slopes directly from the whole rear boundary of the inclined striking face thereof to terminate inside of the latch housing when the bolt is fully projected therefrom to its main locking position, and wherein the inclined striking face of the bolt and the counterinclined surface thereof are each of a width similar to the width of the opposite or flat side of the bolt respectively.

2,469,611
PATTERN MATERIALS
Kenneth E. Rose, Columbus, Ohio, assignor, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
No Drawing. Application March 23, 1946, Serial No. 656,777
3 Claims. (Cl. 22—164)

2. A pattern material consisting essentially of a mixture of hydrogenated castor oil and chlorinated naphthalene, said mixture containing about 60% to about 80% of chlorinated naphthalene which has a chlorine content of about 49% to about 61%.

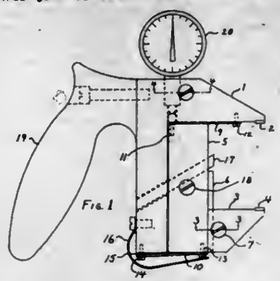
2,469,612
LOAD HOOK CONNECTION
Charles S. Schroeder, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application August 25, 1944, Serial No. 551,127
2 Claims. (Cl. 59—86)



1. In a combination of the class described, a sprocket roller load chain of the type having links that are pivoted to one another about parallel pivots so that said chain is substantially flexible in one plane only, a hook block, a clevis having a base and a pair of arms rigidly fixed thereto, said base being pivoted to the last of said links on a pivot axis parallel to said parallel pivots whereby said clevis is flexible relatively to said chain in only said one plane, and means pivotally mounting said hook block on the arms of said clevis on an axis at right angles to said parallel pivots.

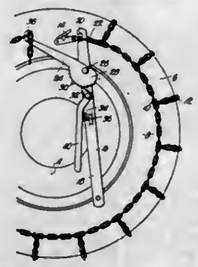
2,469,613
SNAP GAUGE
Leonard Saul Subber, Upper Darby, Pa.
Application June 3, 1944, Serial No. 538,668
13 Claims. (Cl. 33—147)

5. A measuring device comprising a frame member, a fixed upper work-engaging jaw carried by said frame member, a lower work-engaging jaw, means movably mounting said lower jaw upon said frame member so as to permit said lower jaw to move substantially vertically to-and-fro relative to said upper jaw, said mounting means including a generally vertical member disposed adjacent said frame member, a pair of leaf springs connecting the top and bottom respectively of said vertical member to said frame member, said leaf springs being connected at one end to generally diagonally-related points on said vertical member and extending generally z-wise therefrom and being connected at the other ends to laterally-spaced points on said frame member, and including means connecting said lower jaw to said vertical member, and a



work-backstop carried by said vertical member and extending into an oversize hole in said frame member, said work-backstop thereby serving to limit the movement of said vertical member relative to said frame member.

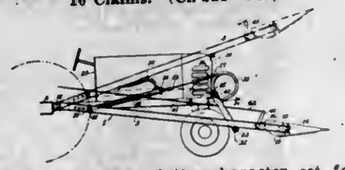
2,469,614
TIRE CHAIN TONG
George H. Sweeney, Los Angeles, Calif.
Application December 10, 1945, Serial No. 633,936
1 Claim. (Cl. 254—78)



A tire chain tool of the character described comprising a relatively long, flat bar having a handle at one end and a notch formed in one edge adjacent to the other end thereof, said notch being relatively narrow at its mouth and extended longitudinally of the bar between the longitudinal edges thereof to present an undercut portion on the bar at each end of the notch; an arm pivotally connected at its one end to the bar at a point spaced inwardly from the notch; a hook formed on the other end of the arm having the mouth thereof in opposed relation with the mouth of said notch; an arcuate face provided with ratchet teeth therein on one longitudinal edge of the arm, said face being concentric with the pivotal connection joining the bar and said arm; an L-shaped dog pivotally mounted on the bar at the zone of juncture of the legs of said L-shaped dog; a coil spring yieldably holding the free end of one of said legs against the arcuate face on the arm, said ratchet teeth being formed to allow rotation of the arm about the pivotal connection in one direction and to preclude rotation in the other direction, when the dog is in engagement therewith, the other leg of said dog being formed to present

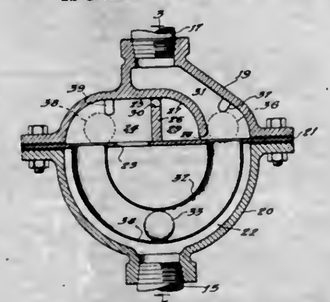
a finger engaging portion projecting laterally from the bar; a laterally projecting ear on the bar between said handle thereof and the point of connection between the dog and the bar, said ear having an opening therein for receiving one end of said spring; and a perforated projection on said other leg of the dog for receiving the opposite end of the spring through said perforation.

2,469,615
TRACTOR SHOVEL ATTACHMENT
William E. Templeton, Mansfield, Ohio
Application February 18, 1946, Serial No. 648,364
10 Claims. (Cl. 214—140)



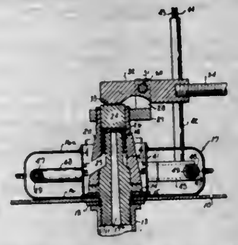
1. An apparatus of the character set forth having in combination a frame consisting of a pair of brackets adapted to be mounted on the rear axle of a tractor and a pair of frame members pivotally connected at their inner ends to said brackets, respectively, a material moving element pivotally supported at and between the front ends of said frame members, means for releasably holding said element in material engaging position on said frame members, and elevating means for said frame members consisting of a pair of devices pivotally mounted on the tractor at a low level adjacent to the front end thereof and means between each device and the adjacent frame member for operating the device about its pivot to raise said frame member, said brackets being reversibly connected to the tractor axle to selectively support said frame members at a higher or lower level to change the angle of said material moving element.

2,469,616
AIR ELIMINATOR
Edwin B. Tidd, Mount Prospect, Ill., assignor to Bell & Gossett Company, Morton Grove, Ill., a corporation of Illinois
Application June 28, 1945, Serial No. 602,096
12 Claims. (Cl. 237—56)



6. Apparatus for facilitating separation of air from the water in a closed, boiler and expansion tank equipped, hot water heating system and for preventing flow and counterflow of water between the boiler and tank comprising a housing having an air trapping chamber and a water conduit each adapted to communicate with the boiler and tank and arranged in parallel, and valve means in the conduit biased to a position preventing simultaneous flow and counterflow therethrough and adapted to be opened in response to pressure moving from the boiler or tank to provide flow in one direction only through the conduit.

2,469,617
VALVE FOR WATERING TROUGHS
William R. Tippett, near Greensboro, N. C., assignor of one-half to R. B. Dunn, Greensboro, N. C.
Application April 16, 1945, Serial No. 588,662
1 Claim. (Cl. 137—104)

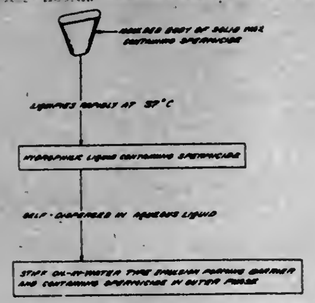


In a watering trough having an inlet opening, an inlet valve adapted to be mounted in said opening, said inlet valve comprising a central member provided with a threaded lower portion having a shoulder adjacent thereto and adapted to penetrate said opening in the trough, an annular housing having a bottom portion extending beneath the shoulder portion and in close proximity to the inlet portion and adapted to rest on the bottom of the trough, the lower end of the central member having an inlet pipe threadably secured thereto to secure the central member in position over the opening and to secure the annular housing in position around the valve, said central member having a passageway extending therethrough, a shell secured to the central member and surrounding the upper end of the central member and providing an annular space between the interior of the shell and the upper end of the central member, a cap slidably mounted in the upper end of the shell and surrounding the upper end of the central member, the shell having an opening in one side thereof communicating the annular space between the shell and the upper end of the central member, an L-shaped member threadably secured on the upper end of the shell and having a vertically extending portion provided with a slot, a pin mounted in the vertically extending portion of the L-shaped member and traversing said slot, a lever pivotally mounted intermediate its ends on said pin, one end of the lever slidably engaging the upper end of said cap and a float member mounted on the other end of the lever.

2,469,618
VAGINAL SUPPOSITORY
William C. Ward and Albert B. Scott, Norwich, N. Y., assignors to Eaton Laboratories, Inc., Norwich, N. Y., a corporation of New York
Application September 21, 1945, Serial No. 617,722
7 Claims. (Cl. 167—64)

1. A vaginal suppository comprising a base

whose main component consists of a chemical



compound designated by the following diagrammatic formula and equations:

$$R_2\text{—}(OH)_2$$
$$O(CH_2CH_2O)_nH$$

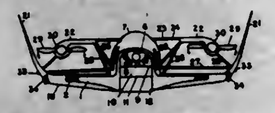
R_1=a saturated cyclic inner ether containing 6 C atoms

R_2=radical of a fatty acid containing x C atoms
x=14, 16 or 18
n=2, 3, 4 or 5

$$n:x<1:4$$

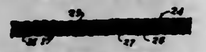
and a small proportion of a spermicidal agent dissolved in the base.

2,469,619
AIRCRAFT WHOSE LIFT IS INCREASED BY POWER MEANS
Douglas K. Warner, Sarasota, Fla.
Application November 17, 1943, Serial No. 510,843
13 Claims. (Cl. 244—15)



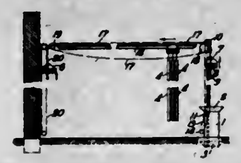
1. In an airplane having oppositely positioned propellers mounted each side of and above the fuselage thereof, a laterally projecting wing positioned immediately below the propeller sweeps, said wing having intermediate portions curved adjacent and conforming to said propeller sweeps, and substantially vertical upwardly directed extremities forming in combination therewith duplicate tail fin surface extended to full height of propellers.

2,469,620
EMBOSSING DIE
Harry E. Wimpfheimer, New York, N. Y.
Application September 16, 1944, Serial No. 554,529
1 Claim. (Cl. 101—28)



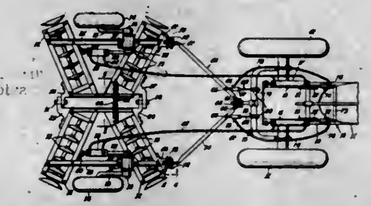
A die for embossing paper with a textile design, comprising a base sheet of woven textile material carrying the design to be transferred to paper, a primary coat of thin copper united to the textile material and reproducing the design thereof, a thin coat of nickel deposited on the copper and reproducing the design of the base textile sheet, and a final coat of thin steel deposited on the nickel and reproducing the design of the base textile sheet and providing the final embossing surface for pressure transferring the design of the base textile sheet to the paper to be embossed.

2,469,621
APPARATUS FOR STRIPPING AND DRYING ARTIFICIAL SAUSAGE SKINS
Julius Wolff, Amstenrade, Netherlands; vested in the Attorney General of the United States
Application December 2, 1941, Serial No. 421,394
In Germany May 3, 1937
5 Claims. (Cl. 91—55)



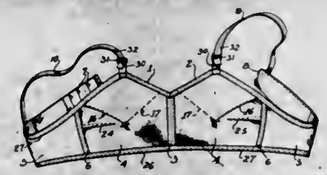
1. In combination with an impregnating device for tubular sausage skins and the like, a plurality of elongated vertically disposed mandrels in said device, each mandrel adapted to have a skin sleeved thereover, suspension means engageable with the upper ends of said sleeved skins for simultaneously stripping the latter axially from said mandrels in suspended positions, and means cooperating with said first means for moving said suspended skins laterally of their stripping axes.

2,469,622
TRACTOR-DRAWN IMPLEMENT TURN RESPONSIVE LIFTING AND ADJUSTING MECHANISM
Russel D. Acton, Chicago, Ill.
Application December 22, 1945, Serial No. 636,793
22 Claims. (Cl. 55—73)



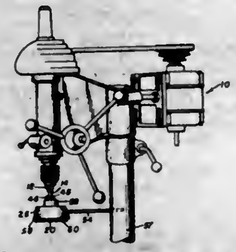
1. In combination with a tractor having a pair of power-actuated lifting arms thereon and control levers for operating said arms, an implement connected to said tractor, said implement having a pair of frames for carrying earth-working implements, said frames being pivotally connected to each other on a longitudinal axis, adjustable supporting means for the outer ends of said frames, actuating means connected to said adjustable supporting means and to said power actuated lifting arms, and means constructed and arranged to move said power actuated lifting arms for actuating said actuating means upon pivoting movement of said tractor with respect to said implement, whereby said frames will be lifted in the direction of operation of said tractor.

2,469,623
BRASSIÈRE
Anne Alt, Compton, Calif.
Application March 24, 1945, Serial No. 584,601
5 Claims. (Cl. 2—42)



1. In a brassière, a pair of pocket portions formed of fabric, the lower half of each pocket portion having its warp and weft threads running transversely of and vertically relative to the lower edge of said pocket portion, and the top half of said pocket portion divided into equal halves with the halves superimposed so that they completely overlap to place the fabric on a bias, and thereby permit stretch in this portion of the pocket.

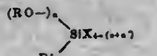
2,469,624
PROTECTIVE GUARD FOR ROTARY MACHINE TOOLS
Harry A. Arnhart, Tulsa, Okla.
Application July 7, 1947, Serial No. 759,401
4 Claims. (Cl. 51—269)



1. An attachment for machine tools having a rotary driving member; comprising a driven shaft, a grinding head removably secured to said shaft for rotation thereby, said driven shaft having a stop for limiting movement of said grinding head in one direction, spacer means between said grinding head and said stop, a guard loosely embracing said grinding head, a bearing carried by said guard embracing said stop and bearing upon said spacer means, an adjustable stop collar carried by said driven shaft engaging said bearing to limit movement of said guard relative to said grinding head, and means for holding said guard against rotation.

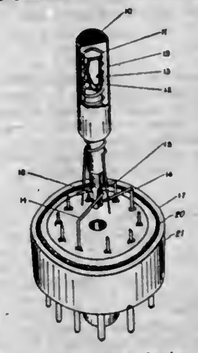
2,469,625
METHOD OF RENDERING HYDROPHILIC SUBSTANCE WATER REPELLENT
Arthur J. Barry, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application December 10, 1943, Serial No. 513,745
2 Claims. (Cl. 117—121)

2. The method which comprises applying to the surface of a water-wettable solid material a liquid comprising an organo-silicon compound having the general formula:



wherein each R represents a hydrocarbon radical and at least one R is an alkyl radical containing at least 8 carbon atoms, R' represents a monovalent hydrocarbon radical, X is a halogen, and n and n' are whole numbers having a sum not greater than 3, n being a number from 1 to 3 and n' being a number from 0 to 2, heating the treated solid material to a temperature at which a hydrogen halide is evolved, and thereafter washing the treated surface of the solid material with an organic solvent for the organosilicon compound, to remove the unadsorbed excess of said compound.

2,469,626
HIGH VACUUM GETTER
John R. Beers, Briarcliff Manor, N. Y., assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y., a corporation of Delaware
Application June 20, 1946, Serial No. 678,120
8 Claims. (Cl. 250—27.5)

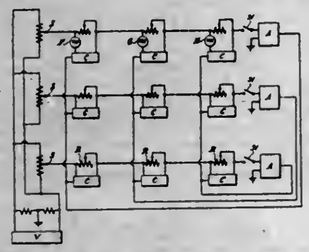


1. An electron discharge device comprising a refractory insulating member having at least two surface portions in heat exchange relationship, electrical heating means adjacent to one said surface portion of said member for heating the other surface to a given temperature, and heat responsive gas absorbing means non-volatile at said temperature adjacent to said other surface portion.

2,469,627
CALCULATING MACHINE FOR SOLVING SIMULTANEOUS EQUATIONS
John R. Bowman, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application March 19, 1943, Serial No. 479,790
2 Claims. (Cl. 235—61)

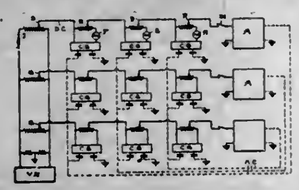
1. An electronic calculating device for determining the roots of a system of simultaneous linear algebraic equations with n variables where n is any positive integer greater than unity, comprising in combination n electronic amplifiers, n D.-C. voltage sources adjustable to produce a voltage respectively proportional to the constant terms in the system of equations, and n_2 electrically regulatable current sources each sup-

plying direct current to one of n resistors adjustable to be respectively proportional to the coefficients of the system of equations, an electrical network involving the aforsesaid elements in such a way that one of said adjusted voltage sources and n adjusted resistors corresponding



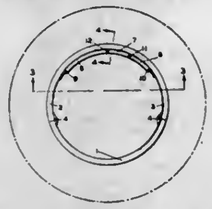
to one equation and the input to one amplifier are in series and so that the current sources for said n series-connected resistors are respectively connected to and regulated by a different one of said amplifiers, and current-responsive means in at least one of said current-supply circuits.

2,469,628
CALCULATING MACHINE
John R. Bowman and Ralph T. Steinback, Pittsburgh, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application April 27, 1945, Serial No. 590,698
3 Claims. (Cl. 235—61)



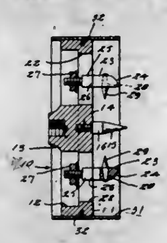
1. An electronic computing device for determining the roots of a system of simultaneous linear algebraic equations with n variables where n is any positive integer greater than unity comprising in combination n electronic amplifiers capable of supplying a large A.-C. for a small D.-C. input, n D.-C. voltage sources each adjustable to produce a voltage proportional to the respective constant terms of the system of equations, and n^2 rectifiers each respectively supplying D. C. to the entirety of one of n^2 potentiometers whose adjustable portions are respectively made proportional to the coefficients of the system of equations, an electrical network involving the aforesaid elements in such a way so that one of said adjusted voltage sources and n adjusted potentiometer portions all corresponding to one equation and one amplifier input are in series and so that the rectifiers supplying current to each of said n series-connected potentiometer portions are respectively fed from the output of a different one of said amplifiers, and current-responsive devices in at least one of said rectifier circuits for indicating the desired roots of the equations.

2,469,629
DEMOUNTABLE RIM FOR TIRES
Howard B. Boyer, Eugene, Oreg., assignor of one-third to William R. Goss, Eugene, Oreg.
Application October 29, 1946, Serial No. 706,389
4 Claims. (Cl. 301—32)



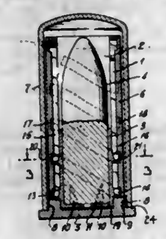
4. A demountable tire rim comprising a relatively long rim section, a pair of shorter rim sections, having ends hingedly connected to the respective ends of the long section and their remaining ends provided for abutting engagement to align the short sections with the long section to form a circular rim when expanded, the total length of the short rim sections exceeding the length of the long rim section, a linkage connected with the short rim sections for releasably holding the rim sections in expanded relation, said linkage comprising three inwardly swinging links operative to releasably lock the sections in continuous circular arrangement.

2,469,630
FACEPLATE FOR WOOD LATHES
Gideon Braun, Columbus, Nebr.
Application August 16, 1944, Serial No. 549,758
1 Claim. (Cl. 142—52)



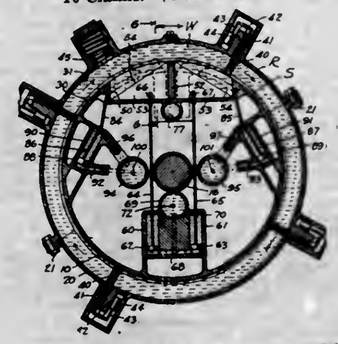
In a lathe, a face plate, having a plurality of radially disposed slots, said plate being provided with a hub construction having means for attachment to a drive shaft, said hub projecting in one direction, a center point on the plate projecting in the opposite direction from the hub construction, a plurality of slide fingers, each of said fingers having one end slidably disposed in a corresponding slot, said ends of the fingers being provided with threaded extensions extending through the slots and beyond the face plate at its side opposite from the major portion of the fingers, said fingers being provided with shoulders thereon for engaging one side of the plate, nuts on the threaded extensions adapted to be fed against the opposite side of the plate to secure the fingers in fixed adjusted position with respect to the slots, said fingers being adjustable in the slots by loosening and tightening of said nuts.

2,469,631
LIPSTICK HOLDER WITH FOUR-PIN CUP
Harry Broder, New York, N. Y.; William Felstiner, Leonard Broder, and Joseph F. Berlinger executors of said Harry Broder, deceased
Application November 17, 1945, Serial No. 629,291
4 Claims. (Cl. 206—56)



1. A lipstick holder including, in combination, a cartridge carrier having three laterally projecting pins, two located on one side but at relatively different levels and the other at the diametrically opposite side and at a level corresponding to that of one of the opposite pins, an inner shell member presenting a bore to accommodate said carrier and formed with two longitudinal guide slots for the carrier pins, and an outer shell member formed with two helical grooves of equal pitch and disposed 180° apart to receive and make a close fit with the carrier pins, said shell members being relatively rotatable, in one direction to project the lipstick cartridge outwardly from the bore for use and in the opposite direction to retract the lipstick cartridge into the bore.

2,469,632
HYDRAULIC BRAKING MECHANISM
Ralph E. Cornwell, La Canada, Calif.
Application August 13, 1946, Serial No. 690,137
10 Claims. (Cl. 188—90)



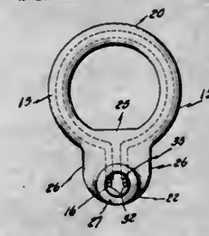
1. Hydraulic braking mechanism comprising: a stator; an annular rotor receiving the stator and co-acting therewith to define therebetween an annular working chamber containing a liquid; vanes mounted in the rotor for movement radially, and yieldingly urged into the working chamber for circulation of the liquid in the latter by the vanes, when the rotor is rotating; a valve mounted in the stator for movement from a non-operating position to an operating position in the working chamber, so as to oppose the circulation of liquid in the latter by the vanes; said valve having cam surfaces extending circumferentially of the stator and on which said vanes ride past the valve; the stator having a bypass through which a restricted circulation of the liquid in the working chamber can be effected around the valve when in an operating position, so as to produce a braking action upon the rotor; and means by which the valve can be moved to operating and non-operating positions.

2,469,633
APPARATUS FOR FORMING RETREADING STRIPS FOR TIRES
William G. Corson, Barberton, Ohio
Application February 26, 1945, Serial No. 579,827
2 Claims. (Cl. 154—9)



1. In an apparatus for forming retreading strips for tires a mill having a frame and mechanism therein for forming rubber stock into a sheet of rubber, a shaft mounted in said frame sheet-forming mechanism, mountings carried by said shaft and shiftable along the same to adjusted positions in spaced relation to each other, levers pivoted to said mountings and having inner end portions extending under the rollers and outer portions projecting outwardly from the mountings, plates mounted vertically at inner ends of said levers, brackets extending horizontally across said plates and pivoted thereto and having end portions bent to form arms projecting from the plates away from the levers, said plates being formed with arcuate slots concentric with the pivots for the brackets, bolts passing through the brackets and the slots and releasably holding the brackets in angularly adjusted positions, clamping strips at sides of said arms, knives extending vertically between the arms and strips and sharpened at their upper ends and secured in set positions when the clamping strips are tightened, and springs urging outer ends of the arms downwardly and holding the knives in a cutting position.

2,469,634
ELECTRIC HEATING UNIT
Charles B. Curtiss, Bay City, Mich., assignor to Valley Welding & Boiler Co., Bay City, Mich.
Application April 17, 1947, Serial No. 742,133
2 Claims. (Cl. 201—64)



1. An electrical heating unit, comprising a loop-shaped annular sheath formed of cast alloy, an

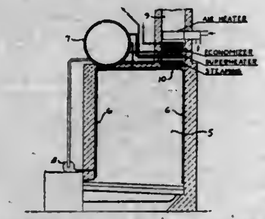
insulated electric heating element embedded in said annular sheath, a laterally projecting, hollow housing formed integral with said annular sheath having a cast in bushing to absorb heat while casting and to permit a threaded bore in the housing, the terminal ends of said electric heating element being received in said housing, a tubular support having one end received in said threaded bore, electrical conductors extending through said tubular support and electrically connected to the terminal ends of said heating element within said housing, and insulating material packed in said housing and tubular support, said insulating material comprising magnesium oxide.

2,469,635

STEAM BOILER OR THE LIKE HAVING EXTENDED HEAT TRANSFER SURFACES

David Dalin, Ronninge, and Gustav V. Hagby, Osterialje, Sweden, assignors to A/B Svenska Maskinverken, Sodertalje, Sweden, a corporation of Sweden

Application October 6, 1948, Serial No. 53,004
In Sweden January 3, 1948
13 Claims. (Cl. 122—1)



1. A steam boiler having a flue gas passage, boiler fluid conducting tubes within the gas passage and a heat exchanger within the passage and including said tubes characterized by the provision of: heat transfer elements joined to said tubes and collectively forming a heat absorbing screen extending across the entire flue gas passage, said elements being made of high conductivity material and having a substantially uniform cross section throughout their length of between 3 and 50 square millimeters and of a shape wherein the major transverse dimension does not exceed three times the minor transverse dimension, all of said elements being substantially parallel to one another and crosswise to the gas flow through the flue gas passage, and each element being of such length that the heat conductance path afforded thereby to the wall of the tube to which it is joined is not less than ten times the square root of the cross sectional area of the element nor longer than that at which the efficiency of its conductivity as determined by the formula

$$\eta_s=\frac{1}{nl}\times\frac{e^{2nl}-1}{e^{2nl}+1}\text{ where }n=\sqrt{\frac{\alpha\times F}{\lambda\times f}}$$

and where

α=the surface conductance (alpha value) of the gases flowing over the elements
λ=the conductance of the elements
e=base natural logarithm (=2.718)
F=circumference of element in M
f=cross sectional area of element in M^2
l=length of conductance path in M

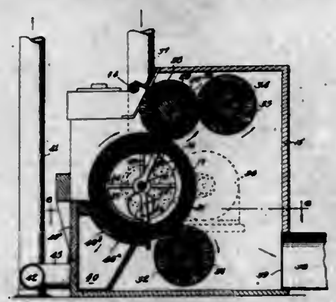
is less than seventy-five percent of theoretically complete heat transfer, for situations where the temperature to which the elements are subjected is 600° C. or over and less than sixty percent of theoretically complete heat transfer for temperatures under 600° C., the distribution of said heat transfer elements being substantially uniform across the entire flue gas passage, and the combined surface area of the elements being three to sixteen times as great as the projected area of that length of the tubes on which elements are mounted so that said elements constitute the primary heat exchange surfaces of the heat exchanger in contact with the flue gases.

2,469,636

APPARATUS FOR TREATING SKINS

George Dempsey, Gloversville, N. Y.

Application April 11, 1946, Serial No. 661,190
11 Claims. (Cl. 69—29)



1. In apparatus for use in the treatment of tanned skins, a casing, a power-driven hollow rotary brush mounted therein with the brush tufts supported by an annular support perforated intermediate the tufts, said annular support having one end closed to control static pressure, a power-driven second brush mounted in the casing for cooperation with the hollow rotary brush with its axis in a horizontal plane spaced above and rearwardly of the vertical axis of the hollow brush, said casing having a relatively large opening in the front wall thereof exposing adjacent portions of the front and top sides of the hollow brush and a portion of the front side of the second upper brush, said brushes being mounted in parallel relation for individual rotation in opposite directions with their axes so spaced as to provide a zone within which the tuft ends of the brushes contact opposite sides of a skin with the skin supported by the hollow brush prior to the action on the skin by both brushes and with the lower side of the skin contacting substantially 180° of the upper circumference of the lower hollow brush when held by the operator and the upper side of the skin contacted by the upper brush.

2,469,637

UMBRELLA FRAME

Wayne S. Evans and Louis G. Tartaglia, Philadelphia, Pa., assignors to S. W. Evans & Son, Philadelphia, Pa.

Application August 29, 1946, Serial No. 693,703
4 Claims. (Cl. 135—30)

1. In an umbrella frame, a notch or runner construction comprising an inner shell having a cylindrical portion and a radially slotted plane flange, an outer shell comprising a cylindrical portion in telescopic relation to the corresponding portion of said inner shell and also a plane flange having a cylindrical extension, said last-mentioned flange and its extension being provided with spaced slots in registry with the slots of said inner shell flange, the flanges of said shells



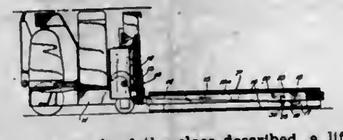
defining an annular space between them, and a ring within said space having cutouts aligned with said slots, the sides of said cutouts functioning as thrust bearings for a rib or stretcher extending through said slots into said annular space.

2,469,638

WHEEL LIFTING LINKAGE FOR PALLET TRUCKS

Herbert J. Framhein, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application July 20, 1943, Serial No. 495,453
6 Claims. (Cl. 280—44)



1. In a truck of the class described, a lifting wheel link, means rotatably mounting said link on a part of said truck, a lifting wheel mounted on said link, tension means for pulling said link to rotate it on said mounting means in a downwardly extending arc from an upward position to a lowered position, an intermediate link pivoted to said lifting wheel link at one end and to said tension means at its other end and through which said tension means swings said lifting link downwardly, and a guide member mounted on a fixed point on said truck part for guiding said intermediate link and so located that when said lifting wheel link is in its upward position the pivot between said intermediate link and said tension means is vertically below the pivot between said intermediate link and said lifting wheel link.

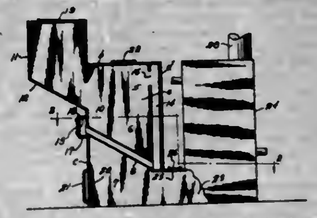
2,469,639

MAGAZINE DOWNDRAFT FURNACE

Ernest M. Franklin, Kingsport, Tenn.

Application November 23, 1945, Serial No. 630,248
4 Claims. (Cl. 110—29)

1. In a stove or furnace construction, a firebox having a grate therein, said grate including rearwardly and downwardly inclined grate bars consisting of open-ended tubular members having their forward upper ends opening through the front of the fire-box for the admission of outside air thereto, an ash pit below the grate and fire-box, means forming a combustion chamber rearwardly of the ash pit and communicating with the latter below the grate, means forming a down draft chamber rising from the fire-box and having an opening in the upper portion of the rear wall thereof, an air flue at the back of said downdraft chamber communicating at its upper end with the top of said downdraft chamber through said opening, said grate bars opening at their rear lower ends into the bottom of said air flue, said downdraft chamber having an opening in the front wall thereof for the inlet of



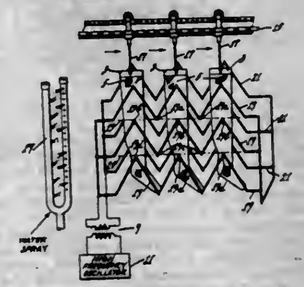
fuel directly above the grate, and a feed hopper for the fuel communicating at its bottom with said fuel inlet opening and adapted to feed the fuel onto the grate as the fuel is consumed on the latter.

2,469,640

METHOD OF AND APPARATUS FOR FORMING STOCKINGS AND THE LIKE

Henderson C. Gillespie, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 1, 1945, Serial No. 597,024
5 Claims. (Cl. 223—76)



1. The method of pre-boarding stockings with the aid of an electroconductive closed flat form which comprises placing a stocking on and fully in contact with said form to provide uniform heat conduction from the form to the stocking, passing said stocking bearing form successively past a pair of operating stations, moistening said stocking at the first of said stations, uniformly heating said form inductively from opposite sides with high frequency current to a predetermined degree at the second one of said stations, and thereafter causing said heated form to impart heat uniformly to said stocking by conduction through said full contact with the form and thereby to expel the moisture therefrom and cause said stocking to shrink onto said form.

2,469,641

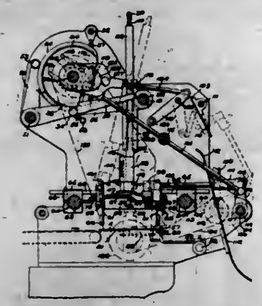
METHOD OF AND MACHINE FOR MAKING UNITARY SETUP COVERED BOXES

Harold J. Goss, Nashua, N. H., assignor to Central National Bank of Cleveland, Cleveland, Ohio

Application January 4, 1947, Serial No. 720,159
16 Claims. (Cl. 93—51)

1. Steps in the method of making a unitary covered box from a blank of suitable foldable

material cut and severed to provide rectangular bottom and cover areas and doubled front and rear panels having uncoated tabs extending from the ends of the inner panels in the plane thereof, and a rectangular intermediate area therebetween to form the back wall of the box with uncoated tabs extending from the respective ends of the intermediate area in the plane thereof and doubleable outer and inner panels extending from the ends of the bottom area having on their inner faces an adhesive coating, which comprises folding the intermediate area to a position at right angles to the body and cover areas and folding the tabs extending from the ends of the intermediate area along the ends of the bottom area and thereafter folding the adhesively coated end panels around the tabs extending from the intermediate area and also around the tabs extending from the ends of the doubled front and rear panels, thereby fixedly securing the tabs therebetween and providing smooth front, rear and end walls of double thickness.



10. In a machine for making unitary covered boxes having a stepped former, means for successively placing blanks upon said former, vertically movable means for clamping said blanks upon the former, means for folding the blank upon the former to produce a fully assembled box, means for raising the clamping means well above the former, means for swinging the clamping means laterally, and means for removing the assembled box from the former comprising vertically and laterally movable suction means for disengaging the box from the former and moving it laterally therefrom in a predetermined arcuate path, means for relatively moving the bottom and cover portions of the box toward closed position during said predetermined movement, means for arresting the box at the end of said predetermined path to insure complete closure of the box, and means operable thereupon to release the suction to disengage the box from the suction means.

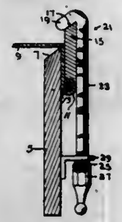
2,469,642
BLOWGUN
Edward A. Grewe, Milwaukee, Wis.
Application September 23, 1944, Serial No. 555,477
2 Claims. (Cl. 299—150)

1. A blow gun comprising a barrel having a bore therein, an enlarged chamber communicating with the bore, a valve seat in the chamber, a hollow conical nozzle ended stem loosely slidable in the barrel bore an annular groove in the stem adjacent to the nozzle head, transverse openings in said stem communicating with the chamber, inclined bleeds extending from the annular groove of the hollow stem and discharged about the conical nozzle, a valve extending from the hollow stem engageable with the chamber valve seat, a thumb lever pivoted to the discharge end of the barrel engaging the end of said hollow stem, and a tube extending from the aforesaid



hollow stem encasing its conical nozzle end and bleeds thereof, whereby air leakage between the gun bore and stem is collected and discharged into the tube to co-mingle about the nozzle with the main air jet through said hollow stem by the developed ejector action of the main air volume.

2,469,643
BANJO HEAD TIGHTENER
Edward J. Handloser, Chesapeake, Ohio
Application December 2, 1946, Serial No. 713,588
2 Claims. (Cl. 84—269)

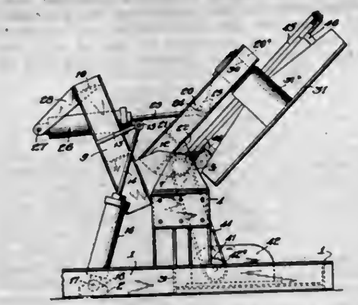


1. In a device of the character described including a vellum, a wall having an outwardly beveled edge engaging an intermediate portion of said vellum, and a ring surrounding the wall and resting against the terminal edge of said vellum and extending above said beveled wall edge and vellum; hook means engaging across the free edge of said ring and each including a substantially rigid part of a length equal to the width of the ring portion extending above the beveled wall edge and also including a resilient part reversely bent in a single plane substantially tangentially to the wall, and bracket means secured to said wall for holding said hook means.

2,469,644
WORK POSITIONER
John F. Harrison, Springfield, Ohio, assignor of one-fourth to Carl F. Greiner, Springfield, Ohio
Application June 5, 1945, Serial No. 597,675
6 Claims. (Cl. 29—288)

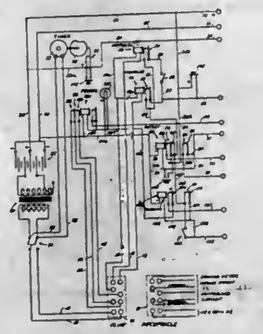
1. A work positioner comprising a base having a pair of spaced uprights carrying aligned bearings; a subframe carrying brackets at one end having hubs journaled in said bearings; a turntable freely rotatably journaled in said subframe at the end opposite the said bearings, said turntable carrying a worm ring gear; a worm journaled coaxially of said bearings and meshing with said ring gear; means for rotating said worm; and means interposed between and connecting

the subframe and base for pivoting and maintaining the subframe in tilted position thereon;



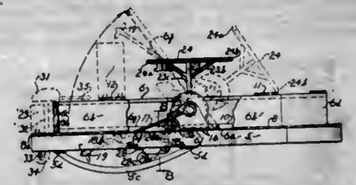
whereby the loading height of the turn-table above the base will be maintained at a minimum.

2,469,645
ELECTRIC DEMAND CONTROLLER
Howard W. Harper, Bridgeport, Conn.
Application March 4, 1944, Serial No. 525,064
28 Claims. (Cl. 171—97)



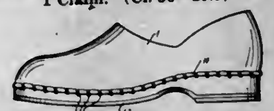
13. In a load regulating system, an automatic powered timing switch having a plurality of insulated contact points and a contactor adapted to connect selectively to said points and operating to periodically connect to the latter in rotation according to a predetermined timing; a powered metering switch and control circuits therefor controlled by the timing switch to automatically reset the metering switch to open-circuit position periodically in step with the cycle of the timing switch, said metering switch having a plurality of insulated contact points and a contactor adapted to connect selectively to said points and operating to engage the latter consecutively at a speed proportional to the rate of energy consumption in a circuit; and means connected with the contact points of the switches for altering the load of the circuit consuming said energy when a predetermined relationship is reached between the contactors of said switches.

2,469,646
MANUALLY OPERATED ROWBOAT
William E. Hogrefe, Chicago, Ill.
Application September 4, 1947, Serial No. 772,169
1 Claim. (Cl. 115—24)



A boat of the kind described, comprising a basal float, there being a recess formed longitudinally through its rear end and extended substantially inward, a deck mounted upon the float and including raised sides and ends, a trap-door over the recess of the float, the same being hinged to the boat structure for opening and closing, a rower's bench hinged at one end to a side of the boat over the trap-door, a rowing mechanism mounted in the boat forwardly of the rower's bench, and upon the forward end of the trap-door, the same including a rotary propeller shaft operatively connected at its inner forward end with the rowing mechanism and extended angularly downward and rearwardly through the trap-door into the recess of the float, said shaft being journaled through bearings extended from the boat structures, and a rotary propeller keyed upon the rear lower end of the propeller shaft within the recess of the float.

2,469,647
SLIP LASTED PLATFORM SHOE
Leo B. Hollander, Sullivan, Mo.
Application September 28, 1946, Serial No. 700,033
1 Claim. (Cl. 36—19.5)

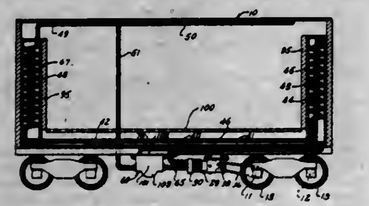


A shoe comprising an upper, an insole, means for joining the upper and the insole, and a midsole, said upper having a series of perforations extending around its lower marginal portion a sufficient distance inwardly to provide an extension covering the edge of the midsole, said insole having a downturned marginal portion with a series of perforations extending therearound and arranged in alignment with the perforations of the upper, and said means for joining the upper and the insole including a thong extending around the outside of the upper and having a plurality of inwardly directed loops passing through the respective aligned pairs of perforations, and a cord passing through the loops on the inside of the downturned marginal portion of the insole to lock said loops in place.

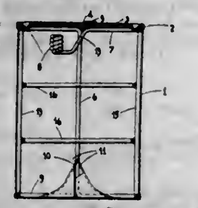
2,469,648
AUTOMATIC CONTROL FOR REFRIGERATORS
Samuel G. House, Abilene, Tex., assignor of one-half to Victor D. Payne, Jr., Abilene, Tex.
Application May 18, 1948, Serial No. 27,677
4 Claims. (Cl. 62—3)

1. A refrigerating unit for a refrigerator car comprising a compressor, means operatively con-

necting wheels of the car with the compressor so that the compressor will be actuated in accordance with the speed of the car, condensing coils connected with the compressor, expansion coils having restricted communication with the condensing coils, a return pipe leading from the expansion coils to the intake side of the compressor, a valve interpolated in the return pipe, a reciprocating means connected to the valve for operating the valve, a spring acting on the reciprocating means for retaining the valve in an open position and means acted on by the output of the compressor when the car is travelling beyond a predetermined speed for shifting the reciprocating means against the tension of the spring for closing the valve.



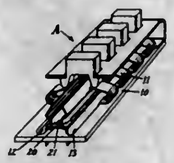
2,469,649
STIRRING DEVICE
William Wood Hunter and Ian McNab, Esquimalt, British Columbia, Canada
Application March 20, 1947, Serial No. 735,916
In Canada September 3, 1946
6 Claims. (Cl. 259—108)



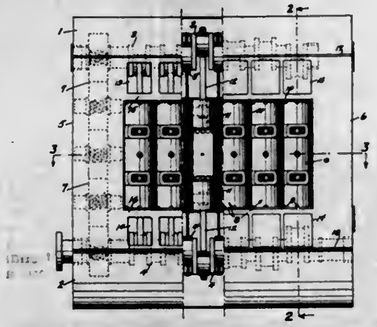
1. An agitator adapted to be rotatably mounted within a container and comprising a plurality of perpendicular rods, a plurality of rings, agitating means consisting of a perpendicular paddle in conjunction with a pair of downwardly-diverging vanes, said paddle and vanes being of equal height and each in width being substantially equal to the radius of any one of said plurality of rings, and means secured to the uppermost of said plurality of rings by means of which said agitator may be impelled.

2,469,650
MULTIPLE PUSH-BUTTON SWITCH
Siegfried Gordon Isserstedt, Toronto, Ontario, Canada
Application May 1, 1946, Serial No. 666,294
2 Claims. (Cl. 200—5)

1. A multiple interlocking push button switch comprising a base, a plurality of spring contacts mounted in a row on said base, a means of connecting each of said contacts to an external circuit, a plurality of push buttons in connection with said contacts and designed to depress them, a locking bar resiliently mounted in parallel spaced apart relation to said row of contacts on said base and having a deflecting surface and a locking shoulder, said locking bar being mounted with respect to said contacts so that as one of said contacts is depressed by one of said push buttons, said contact slidably engages said deflecting surface of said locking bar to lock said contact in a depressed position beneath said locking shoulder and to release any other depressed contact, a means of connecting said locking bar to an external circuit, said locking bar functioning as an electrical contact with any of said contacts disposed in a depressed position.

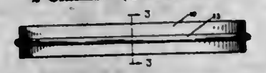


2,469,651
OPPOSED PISTON ENGINE CONSTRUCTION WITH REMOVABLE CYLINDERS
Carl A. Jacobson, Ardmore, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application November 15, 1945, Serial No. 628,820
6 Claims. (Cl. 123—51)



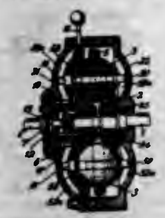
3. The combination in an engine comprising, a frame, upper and lower crankshafts normally mounted therein, opposed pistons connected to said crankshafts, cylinders in which said pistons operate with a common combustion chamber therefor, means whereby said cylinders are supported by said frame and are laterally removable therefrom while both the upper and lower crankshafts remain in their normal position, said frame including upper and lower horizontally extending portions constituting the inner halves of crankcases and end columns rigidly secured to said horizontal frame portions to provide a unitary rectangular shaped structure with the laterally removable cylinders disposed within the interior of said rectangle, at least one of said end columns being of hollow box-like formation in transverse section, and a gear train located in said hollow section for connecting the upper and lower crankshafts.

2,469,652
POOL BALL SPOTTING FRAME
Russell A. Jones, Akron, Ohio
Application March 12, 1948, Serial No. 14,534
2 Claims. (Cl. 273—22)



1. A one-piece frame of synthetic plastic for racking pool balls, comprising a wall member of generally triangular configuration, and an integral bead of uniform cross-section outwardly of said wall member, completely surrounding the same and located centrally of the width thereof, said bead being of a general order of width outwardly of the wall member to afford simultaneous contact with the wall member and the outer part of the bead by the finger ends of a user, whereby the wall member may be grasped simultaneously above and below the bead by a pair of fingers on each hand of the user.

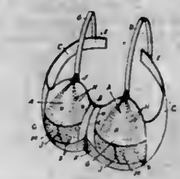
2,469,653
STEPLESS VARIABLE CHANGE-SPEED GEAR WITH ROLLER BODIES
Jean Kopp, Berne, Switzerland
Application January 14, 1946, Serial No. 641,039
In Switzerland February 1, 1945
5 Claims. (Cl. 74—200)



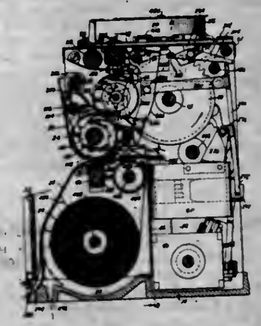
1. A steplessly variable change-speed gear, comprising in combination, a driving shaft, a driven shaft coaxially arranged to the driving shaft, two bodies respectively provided with a frictional surface shaped as a surface of revolution and fixed to said driving and driven shafts respectively, a plurality of ball-shaped roller bodies in frictional engagement with said surfaces of revolution, a rotatable ring against which all of said roller bodies abut, an axle for each roller body around which the respective roller bodies rotate, means for simultaneously rocking said axles for causing a stepless variation of the transmission ratio between said driving and driven shafts, and means providing contact pressure between said surfaces of revolution and said roller bodies, said ring taking up the radial components of said contact pressure.

2,469,654
BRASSIÈRE
Gerda Kris, Bellevue Hill, Sydney, New South Wales, Australia
Application June 11, 1946, Serial No. 675,997
In Australia June 27, 1945
2 Claims. (Cl. 2—42)

1. A brassière having breast cups each including a peak, and a shoulder strap attached to and extending from the upper edge of each cup, each cup being provided with a plurality of rows of substantially pear-shaped endless stitchings, said rows of stitchings surrounding the peak of each cup and providing equal spaces between each other at the lower portion of each cup and remote from the respective points of attachment of said shoulder straps at said upper edges of said cups but extending from said lower portions toward said points of attachment with said spaces between said stitchings gradually reduced toward said upper edges and with respect to each other, said rows of stitchings meeting at the respective points of attachment and constituting a skeleton which prevents distortion of the cup and transfers the strain of wear evenly to said points of attachment from all sections of the cup area except the close vicinity of said peaks where the cup material is devoid of stitchings and retains its pliability.



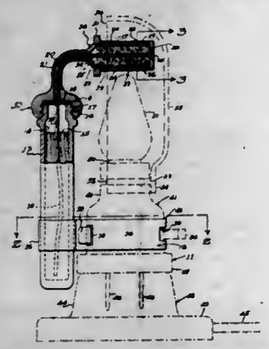
2,469,655
COUNTER ACTUATING AND RESETTING MECHANISM
Ward Leathers, Brooklyn, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 21, 1945, Serial No. 579,098
13 Claims. (Cl. 235—144)



1. In a recording apparatus of the character described, a resettable counter mechanism comprising a counter shaft mounted for rotation about an axis, a plurality of sleeves mounted on said shaft, means operatively connecting certain of said sleeves to the shaft for rotation in unison therewith, certain other sleeves being loosely disposed on the shaft, a plurality of Geneva-driven gear groups mounted on each sleeve for independent rotation relative thereto, there being a longitudinally extending groove formed in each of said sleeves exteriorly thereof, a spring carried by each Geneva-driven group and having one end thereof adapted to bear against the outside surface of its respective sleeve and move into the groove thereof during rotation of the sleeve in one direction for resetting purposes, means for rotating said counter shaft in one di-

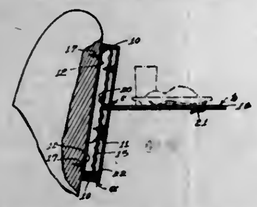
rection to effect resetting operations of certain of the gear groups, and additional means for manually rotating in unison such sleeves as are loosely disposed on said shaft to effect resetting operations of other gear groups.

2,469,656
VAPORIZER
Peter H. Lienert, Detroit, Mich.
Application April 19, 1946, Serial No. 663,268
5 Claims. (Cl. 219—45)



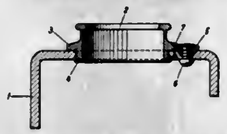
1. A vaporizer for attachment to an electric light fixture containing an electric light bulb comprising a vaporizing liquid container positioned alongside said electric light bulb, a mounting bracket extending transversely from said container and attachable to said fixture, a tubular vaporizing member connected to and communicating with said container and positioned transversely to said container above said light bulb, a liquid absorbing medium in said vaporizing member, and a wick feeding element extending from said liquid container to said vaporizing member into communication with said absorbing medium, said vaporizing member having a port therein for expulsion of vapor therefrom.

2,469,657
VERTICALLY ADJUSTABLE TRAY FOR AUTOMOBILES
John Wesley Linda and Jack M. Hill, Shafter, Calif.
Application September 15, 1947, Serial No. 774,000
4 Claims. (Cl. 311—22)



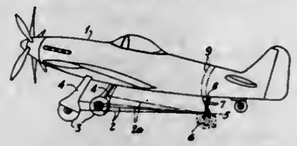
4. An adjustably supported tray comprising a frame, two long, transversely corrugated slide strips arranged uprightly in said frame in spaced parallel relation, said frame having a depending flange along the top thereof, a tray plate, a self-locking support fitting secured to each of two forward corners of the tray plate adjacent to a lateral and transverse edge thereof, the lateral edge of each fitting coinciding with the lateral edge of the tray plate, each fitting being provided with a cut-out in its lateral edge forming a lock finger disposed forwardly beyond the adjacent transverse edge of the tray plate, the said transverse edge of the tray plate being adapted to position against the corrugated faces of the slides with the slides engaged in the cut-outs, the lock fingers engaging the corrugations just above said fingers and the front edge of the plate resting on the corrugation just below said plate, and a pair of rubber blocks secured in the frame in the lower part thereof and adapted to be engaged by the said transverse edge of the tray plate to urge the tray plate upwardly after it has been disposed in closed position within the frame to effect engagement of the opposite transverse edge of the tray plate behind said depending flange.

2,469,658
MOUNTING MEANS FOR SPINNING RINGS
Hermann Mäder, Winterthur, Switzerland, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland
Application August 18, 1947, Serial No. 769,154
In Germany September 1, 1942
4 Claims. (Cl. 57—122)



1. An arrangement for fastening traveler rings to a ring rail in ring spinning and ring twisting machines, said rings being provided with an outer flange for bearing against an outer face of the ring rail and also being provided with an extending neck, said rail having a bore into which said neck extends, said neck having a conical outer surface enlarging away from the flange, said conically shaped surface of the neck extending the entire extent of the wall of the opening in the ring rail, a pressure applying means acting transversely of the neck for forcing the conical of the ring neck against the wall of the rail opening to wedge the ring between said conical surface and the ring flange.

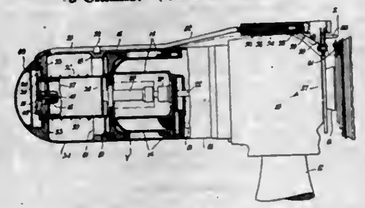
2,469,659
TETHERING DEVICE FOR AIRPLANES
James Martin, Higher Denham, near Uxbridge, England
Application July 21, 1945, Serial No. 606,357
In Great Britain August 7, 1944
5 Claims. (Cl. 244—115)



1. A device for anchoring an aeroplane comprising a single tethering member adapted to be anchored to an aeroplane landing or storage sur-

face, said means comprising a socket, a pin mounted in said socket, a cable having one end secured to said pin and the other end adapted to be secured to a forward part of an aeroplane to take the forward thrust, a second cable having one end secured to said pin and the other end adapted to be secured adjacent the tail end of the aeroplane, said tail anchoring cable being shorter than said other cable whereby the socket is necessarily positioned adjacent the tail end of the aeroplane, thereby preventing the tail from rising.

2,469,660
CONTROL OF VARIABLE PITCH AIRSCREWS FOR AIRCRAFT
James Martin, Higher Denham, near Uxbridge, England
Application September 16, 1947, Serial No. 774,381
In Great Britain October 2, 1946
5 Claims. (Cl. 170—160.32)



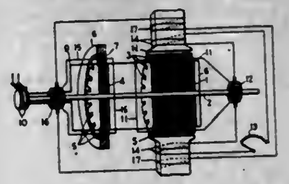
1. Supplemental mechanism for emergency feathering of the blades of a variable pitch airscrew of the type utilizing fluid pressure to normally actuate a blade-control piston in a fluid chamber mounted in the hub-cap of the airscrew, said supplemental mechanism comprising, in combination with said airscrew, of an extension on said hub-cap forming a housing, a cylinder mounted in said housing, a hollow piston slidably mounted in said cylinder and forming therewith an enclosed space, a self-contained pressure reservoir positioned in said space, means on said extension to release fluid from said reservoir into said space to actuate said hollow piston, and means actuated by the movement of said hollow piston to release fluid pressure acting upon the normal blade-control piston of the airscrew.

2,469,661
MOUNTING FOR FIELD COIL SUPPORTS
Thomas S. McElrath, Sophia, W. Va.
Application March 21, 1947, Serial No. 736,371
5 Claims. (Cl. 171—252)



1. Means for resiliently supporting a field coil on a frame comprising a supported projection on the field coil having fastening pins extending therefrom, a frame mounted supporting bar provided with housing portions projecting toward said supported projection and each provided with an opening disposed adjacent the supported projection for slidably receiving one of the fastening pins, said fastening pins having headed portions contained within the housing portions and sized to prevent the passage thereof through the housing openings.

2,469,662
DYNAMOELECTRIC MACHINE
Cecil William Haviland Minchin, Dursley, England, assignor to Mawdsley's Limited, Dursley, England, a company of Great Britain
Application December 3, 1946, Serial No. 713,804
In Great Britain March 29, 1946
6 Claims. (Cl. 322—59)



1. A self-excited alternating current dynamo electric machine comprising a main armature and field magnets, an alternating current winding and a direct current winding on the armature, a second armature fixed relatively to the main armature, a continuous unwound member of magnetic material arranged with a radial air gap in relation to said second armature, an alternating current winding on the second armature arranged for the same number of phases and poles as and connected in series with that on the main armature, a direct current winding on the second armature which is independent of that on the main armature, separate commutators connected each to its respective direct current winding, a set of brushes on each commutator, a winding on the field magnets connected to one set of brushes and a second winding on the field magnets connected to the other set of brushes.

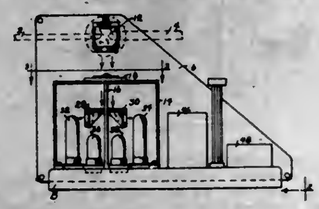
2,469,663
PROCESS FOR PRODUCING METAL PHTHALOCYANINES AND THEIR DERIVATIVES
Frank H. Moser, Huntington, W. Va., assignor to The Standard Ultramarine Company, Huntington, W. Va., a corporation of West Virginia
No Drawing. Application September 20, 1946, Serial No. 698,404
8 Claims. (Cl. 260—314.5)

1. A method of producing copper phthalocyanine pigments which comprises heating to a temperature within the range of from about 150° C. to about 200° C. a mixture of powdered metallic copper, urea, a catalyst, an oxidizing agent, and a compound selected from the group consisting of orthodicarboxylic acids, the ammonium salts, amides, imides, and anhydrides of such acids and the amides of orthocyanocarboxylic acids; said oxidizing agent being utilized in an amount sufficient to provide at least 0.5 chemical equivalent thereof per mol of said compound.

2,469,664
CARBON ARC CONTROL
Charles J. Murch, Franklin, Maine
Application May 29, 1946, Serial No. 673,197
1 Claim. (Cl. 250—41.5)

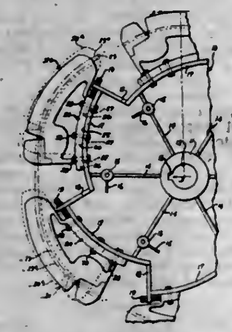
In a photo-electric arc control device, the combination, which comprises, a base, a vertically disposed plate extending upwardly from one side of the base, a rectangular-shaped frame having a pair of spaced openings in the upper horizontal surface and a vertical centrally disposed partition mounted on the base and positioned against the

face of the plate, spaced photo-electric cells mounted on the base and positioned in the frame on opposite sides of the partition, a pair of prisms positioned on the partition in the frame for receiving rays of light from the openings in the upper surface of the frame and bending the rays toward the photo-electric cells, a plate having a pair of spaced apertures therein mounted on the upper surface of the frame above the openings therein, a slide on the plate for adjusting the size of the apertures, a prism positioned on a medial



line above the apertures and mounted on the upper end of the vertically disposed plate, and a lens system mounted on the opposite face and at the upper end of the vertically disposed plate and also positioned on the medial line between the apertures and positioned to coact with the prism on the said medial line whereby rays of light passing through the lens system are bent downwardly by the prism passing through the apertures to the said pair of prisms.

2,469,665
RADIAL ADJUSTING SPROCKET
De Forest C. Patmore, Orillia, Ontario, Canada, assignor to E. Long Limited, Orillia, Ontario, Canada
Application January 17, 1948, Serial No. 2,873
7 Claims. (Cl. 74—230.18)



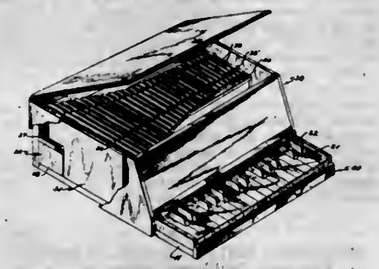
1. An adjustable sprocket wheel of the kind comprising a wheel having a plurality of inclined peripheral faces, and a plurality of tooth segments adjustably secured to each inclined face and adapted to be adjusted therealong to alter the effective pitch circumference of the wheel in which said inclined faces and the cooperating portions of said tooth segments are longitudinally arcuate whereby to maintain the tangents to the pitch lines at the adjacent ends of adjacent tooth segments substantially coincident over the whole range of adjustment of said tooth segments when said adjacent tooth segments are in corresponding positions of adjustment on their respective inclined surfaces.

2,469,666
ANTISKID CHAIN
Hermann Räs-Ammann, Thun, Switzerland; Ida Räs-Ammann, sole heiress of said Hermann Räs-Ammann, deceased
Application December 7, 1945, Serial No. 633,385
In Switzerland January 25, 1945
6 Claims. (Cl. 152—229)



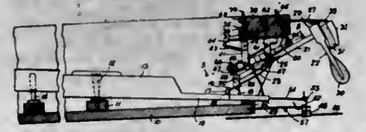
3. In an anti-skid device, a plate member having an outer tread surface, which is outwardly curved and gradually reinforced from the outer ends of said plate member toward the center of the latter, a hard metal body connected to said plate member at the center thereof, and a curved enlargement forming part of said plate member adjacent the center thereof and surrounding said body, said body being provided with a head projecting beyond said enlargement and being shaped to form a transition with respect to the outer surface of said enlargement.

2,469,667
PIANO
Harold Burroughs Rhodes, Los Angeles, Calif.
Application June 12, 1945, Serial No. 599,027
3 Claims. (Cl. 84—404)



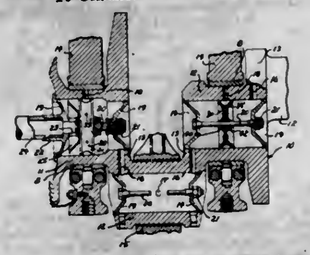
1. A piano action comprising a generally horizontally disposed key pivotally mounted on a horizontal axis intermediate its ends and having an accessible forward end, means limiting the pivoting movement of said key in both directions, and a hammer pivotally mounted on a horizontal axis at the after end of said key and normally extending along and above said key toward the forward end thereof, said hammer including a foot portion adjacent its pivoting axis having an elongated lower edge convexly curved downwardly and forwardly and said key having a substantially plane upper surface at its after end with which said lower edge has point contact for the support of the hammer in rest position, said convex curve being approximately a portion of an ellipse, of which a focus is substantially at said hammer axis and whose major axis extends forwardly along the key when the hammer is in said rest position, the arrangement being such that when the key is depressed the point of contact between said edge and surface, while driving pressure is being applied, continuously moves by a rolling contact toward the vertical plane of said hammer axis with accelerating effect on the hammer until the upper limit of the after end of the key is reached and a throw is imparted to the hammer.

2,469,668
PIANO
Sidney C. Shill, Los Angeles, Calif.
Application May 15, 1946, Serial No. 670,693
10 Claims. (Cl. 84—236)



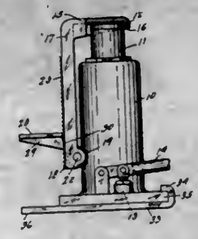
1. In a pianoforte, a horizontal action of the downstrike hammer type comprising: a key; a hammer; means pivotally mounting the hammer on the key for movement downwardly to strike a string; a spring urging the hammer upwardly to an extreme position; a jack; a spring urging the jack to an operative position wherein it will effect downward movement of the hammer in response to depression of the key; means for freeing the hammer from the jack when the hammer has reached a predetermined position in its downward movement; a repetition member; means pivotally mounting the repetition member above the hammer; means urging the repetition member in a direction wherein the member will tend to urge the hammer downwardly; means limiting movement of the repetition member by the urging means to a position wherein the repetition member will be prevented from urging the hammer downwardly when the key occupies its normal playing position; said repetition member being disposed to engage the hammer and impose the force of said urging means downwardly upon the hammer should the key be held partly depressed following playing of a note, so as to delay upward movement of the hammer until the jack has returned to its operating position, whereby to enable repetition of the note to be effected by fully depressing the key from said partly depressed position.

2,469,669
CRANKSHAFT BEARING LUBRICATION
Edwin F. Storey, Grosse Pointe Farms, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application June 21, 1944, Serial No. 541,319
10 Claims. (Cl. 184—6)



1. The combination with the hollow journal of a crankshaft having an oil feed thereto and a radial outlet passage therefrom, of a ring member within the hollow journal having a grooved rim sealed against the inner wall of the journal to form an annular manifold with which the radial outlet passage communicates, said rim having an oil inlet passage therethrough connecting the manifold with the interior of the journal remote from the inner wall thereof.

2,469,670
LOW LIFT ATTACHMENT FOR HYDRAULIC JACKS
Charles L. Thompson, Oakland, Calif.
Application March 11, 1946, Serial No. 653,623
2 Claims. (Cl. 254—133)



1. A low-lift attachment for hydraulic jacks having a cylinder and a plunger and a pivotal head for said plunger, comprising; a cap member to fit over and engage said pivotal head and having a drop member at one end extending down substantially to the foot of the jack when the plunger is retracted and having a bearing at its lower end for cooperation with the side of the cylinder; said drop member consisting of two spaced members forming a vertical slot therebetween and a rack formed on the front face of each member; said step having a tension member passing through said slot and terminating in a cross-member for cooperation with the back wall of said spaced members on the respective sides of the slot, and cooperative teeth formed on the rearward portion of said step for engagement with said rack; said tension member being cylindrical in cross-section and being formed angularly upward and backward to provide for removal, replacement, or adjustment of the step at will, said step having teeth formed only in spaced relation below the level of the top of the step whereby upward swing of the step about the tension member axis moves the teeth out of engagement with the rack, and turning of the step about the axis of the tension member frees the cross-member for removal through the slot.

2,469,671
METHOD OF STENCILING WITH SECTIONAL SCREENS
Walter T. Warde, San Francisco, Calif., assignor to Foster and Kleiser Company, San Francisco, Calif., a corporation of Nevada
Application July 30, 1945, Serial No. 607,702
3 Claims. (Cl. 101—129)

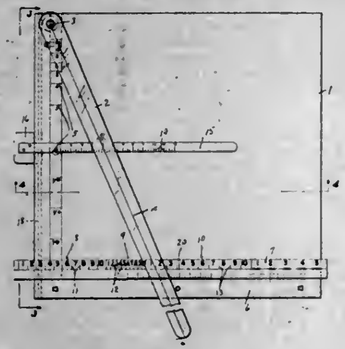
1. A method of printing a multiple sheet poster by the silk screen process in which the image to be printed is of a size extending over a plurality of the sheets of such poster that comprises the steps of arranging a plurality of screens respectively of a size to correspond with the portion of the image to be printed in edge to edge, coplanar relationship, spraying particles of a

blocking out medium onto said screens and across their adjoining edges in a pattern and density for defining the outline of parts of the image to be printed and the shade character-



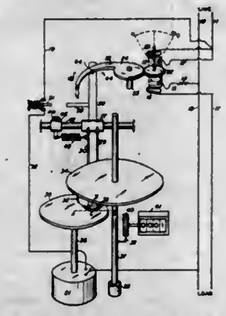
istics of the said parts, then making separate prints on sheets of paper from each of said screens by said process for final assembly and matching of such sheets to produce the poster.

2,469,672
CALCULATOR
William A. Wartinen, San Francisco, Calif.
Application June 1, 1946, Serial No. 673,806
1 Claim. (Cl. 235—61)



A calculator of the character described comprising a plate provided along one edge with spaced graduations in a straight row respectively identified by indicia indicating different letter sizes, an elongated scale member slidably supported on said plate in a position extending at right angles to said row adjacent one end of the said row for movement longitudinally of said member, said scale member having a plurality of groups of corresponding numbers thereon disposed in a single row extending longitudinally of said row, the numbers in each group being uniformly spaced apart but the numbers in different groups being differently spaced from each other, and graduation marks adjacent each of the said numbers in said groups, a scale strip supported on said plate in a position extending across said row at right angles thereto for movement transversely of its length and longitudinally of said row, graduations on said strip disposed in a row extending longitudinally thereof and symbols identifying said latter graduations, an arm pivotally secured to said plate at the end of said first mentioned row of graduations opposite said scale member and extending across both said scale member and said scale strip for reading graduations on either said scale member or said scale strip at points of intersection by said arm.

2,469,673
VARIABLE-RATE ELECTRIC METER
Paul G. Whitmore, Pine Bluff, Ark.
Application May 24, 1945, Serial No. 595,561
11 Claims. (Cl. 171—273)



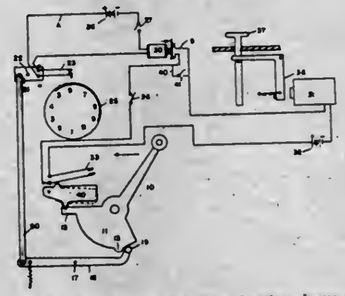
1. A variable-rate electric meter comprising a driving disk, means rotating said driving disk at constant speed, a rotatable driven disk mounted in spaced parallel relationship to said driving disk, reciprocably movable rotatable means connecting said disks, means guiding said rotatable means along a radius of said driving disk for causing rotation of said driven disk when said rotatable means is positioned between the midpoint and the periphery of said driving disk, elements constituting an electrical measuring device embodying a deflectable element, means including an eccentric cam controlled by said deflectable element for establishing the position of said rotatable means, and means for counting the revolutions of said driven disk.

2,469,674
TAPE RULE
Eugene J. Witchger, Saginaw, Mich., assignor to The Lufkin Rule Co., Saginaw, Mich.
Application September 4, 1945, Serial No. 614,197
8 Claims. (Cl. 242—84.9)



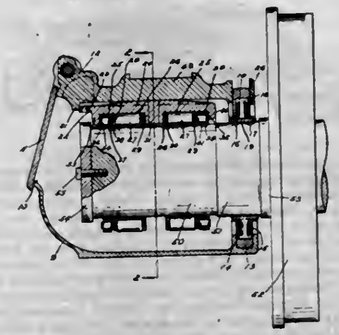
1. In a tape measure of the push-pull type having in combination, a casing having a tape entrance therein, a flexible tape rule extending into the casing and through said entrance, and being in its free state rod-like and of non-planar cross-section, means tending to draw the rule into the casing, a one-piece snubber clip mounted in said casing outside the coiled tape and formed with spaced-apart lips engageable with and covering the edges of the tape entrance and between which the tape travels as it is withdrawn or pushed into the casing, one of said lips forming an abutment which extends into the normal straight line of travel of the tape to change the natural course of the tape as it is withdrawn from the casing.

2,469,675
DECIMAL ROUNDING OFF MECHANISM
Carlos Wittenmyer, Mount Clemens, Mich.
Application April 20, 1944, Serial No. 531,865
7 Claims. (Cl. 235—61)



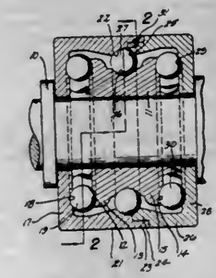
1. In a calculating machine having keys and accumulator wheels, a finger movable to contact a wheel, said wheel having a conformation permitting such contact only when in a predetermined position, means for causing such finger movement, means for actuating the key corresponding to said wheel, and means operably connecting the latter means to the finger moving means and adapted to cause actuation of the key when said finger contacts said wheel, said connecting means including means causing such key actuation with alternate finger-wheel contacts.

2,469,676
ANTIFRICTION BEARING
Charles H. Witthofft, Detroit, Mich., assignor of one-half to Joseph F. Gohn, Grosse Ile, Mich.
Application October 23, 1947, Serial No. 781,561
3 Claims. (Cl. 308—180)



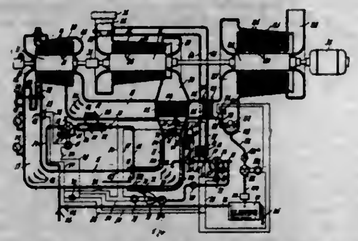
1. An anti-friction bearing of the class described, adapted for use on railroad cars embodying a journal box and an axle with one end of the axle projecting into said journal box, comprising: a wedge positioned in said journal box and having on its inner face a pair of spaced apart recesses, said wedge overlying the upper portion of the axle projected into said journal box; a pair of spaced apart retaining rings embracing said axle and longitudinally spaced on said axle; a plurality of circumferentially spaced roller bearings mounted between each of said retaining members and adapted for engaging the axle in response to radial thrust, said members and said rollers traveling around said axle upon rotation of said axle; and a pair of concentric rings positioned in each of said recesses at one side thereof; a plurality of rollers mounted between said concentric rings and rotatable on a radially directed axis, said retaining rings and said rollers being adapted for traveling around said axle upon rotation of same, said rollers between said concentric rings engaging one face of the first named retaining rings.

2,469,677
COMBINATION RADIAL AND THRUST BEARING
Charles H. Witthofft, Detroit, Mich., assignor of one-half to Joseph F. Gohn, Grosse Ile, Mich.
Application December 10, 1947, Serial No. 790,807
2 Claims. (Cl. 308—174)



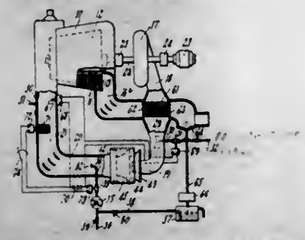
1. A bearing of the class described, comprising: a stationary housing embodying a pair of cup-shaped members faced toward each other and secured together at their open edges, each of said cup-shaped members having an annular groove formed on the inner face of its bottom and curvilinear in cross-section; a rotatable member mounted within said housing and adapted for rotation in unison with a shaft projected through said housing and provided on its opposite end faces with an annular groove curvilinear in cross-section co-operating with the groove in the opposed face of the cup-shaped member to provide a ball race; a plurality of balls in each of said races, each of said cup-shaped members having an annular groove formed on its inner face adjacent its edge and said rotatable member having an annular groove formed on its periphery adjacent its center in alignment with the grooves formed in the inner surfaces of said cup-shaped members adjacent their edges to provide a ball race; and a plurality of balls mounted in said race for resisting radial thrust delivered by said shaft.

2,469,678
COMBINATION STEAM AND GAS TURBINE
Edwin T. Wyman, Brookline, Mass.
Application December 18, 1943, Serial No. 514,808
3 Claims. (Cl. 60—42)



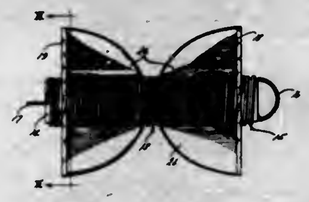
1. A power generating apparatus, comprising a turbine, an air compressor coupled with the turbine to be driven thereby, a combustion chamber in connection with the compressor to receive air therefrom, a conduit leading from the combustion chamber to the intake of the turbine and including a portion constituting a vaporizing chamber, a fuel burner in the combustion chamber, an automatic regulator for governing the fuel supply to said burner in a prescribed ratio to the quantity of air passing through the compressor, means for injecting water into the stream of gases flowing from the combustion chamber to the turbine, and regulating means for controlling the amount of water passing to said injection means, including a thermostat in said duct near the turbine, and means for heating the water by exhaust gas from the turbine.

2,469,679
GAS TURBINE
Edwin T. Wyman, Brookline, Mass.
Application July 13, 1944, Serial No. 544,715
1 Claim. (Cl. 60—42)



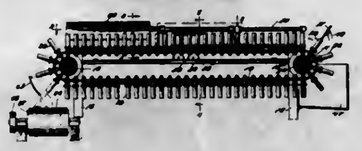
An engine combination comprising a gas turbine, an air compressor adapted to be driven by the turbine when the latter is running, a chamber coupled with the turbine for providing a supply of hot propelling gases, means for injecting water into said chamber to be vaporized by the hot gases therein, a heat interchanger in the paths of exhaust fluid from the turbine and air delivered by the compressor arranged to condense steam carried by the exhaust gases and impart heat to the compressed air, a nozzle connected to receive the compressed air after passing through the condenser and arranged to discharge into said chamber, a fuel burner in the connection between the condenser and nozzle, a collector for water condensed by the condenser, and means for transferring water from the collector to the chamber.

2,469,680
ELECTROLYTIC WATER CORRECTION DEVICE
Edgar M. Butler, New Orleans, La.
Application July 15, 1947, Serial No. 761,127
5 Claims. (Cl. 204—248)



1. An electrolytic water correction device especially adapted for positioning between adjacent pipes of a low water level boiler, comprising a cylindrical core of negative metal of the electromotive force series, a helical coil of positive metal of the electromotive force series fitted snugly around said core and having its ends bent inwardly across the ends of said core to secure the core therein, a pair of triangular support members of positive metal of the electromotive force series positioned on said core having central openings larger than the core but smaller than the outside diameter of said coil, said support members having recesses extending outwardly from said central openings of such depth as to permit threading of the support members onto the ends of said coil, and opposed fin members of positive metal of the electromotive force series projecting from said support members and longitudinally of the core for increasing the efficiency of the device, said support members being adapted to be positioned between adjacent pipes of a boiler with said fins insuring against the device falling between the pipes when the core is expended.

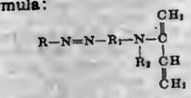
2,469,681
GLASS TUBE BOTTOMING MACHINE
George Coby, Attleboro, Mass., assignor of forty per cent to James V. Pugliese, Providence, R. I.
Application May 27, 1943, Serial No. 488,671
8 Claims. (Cl. 49—7)



1. In a machine for closing the end of a tubular glass body, means for moving the tube in a vertical position along a substantially straight path, units positioned adjacent to said path for providing a zone of heat into which the upper end of the tube travels for softening the end thereof sufficiently to cause the same to flow inwardly and close the end of the tube and means positioned below the tube and in line with the path of travel thereof for discharging air under pressure into the tube while moving to shape the closed end of the tube while in a moldable condition, said air pressure being the only means for shaping the softened end portion of the tube.

2,469,682
MONOAZO DYE COMPOUNDS CONTAINING A BUTADIENE-1,3 GROUPING
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 28, 1947, Serial No. 788,680
5 Claims. (Cl. 260—205)

1. The monoazo dye compounds having the general formula:



wherein R and R_1 each represent a monocyclic benzene nucleus and R_2 represents a member selected from the group consisting of a hydrogen atom, an alkyl group having from one to four, inclusive, carbon atoms, a hydroxyalkyl group having from two to three, inclusive, carbon atoms, and an alkoxyalkyl group having from three to four, inclusive, carbon atoms.

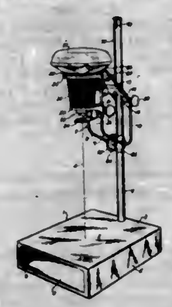
2,469,683
ANION ACTIVE RESINS AND PROCESSES OF PRODUCING SAME
James R. Dudley, Cos Cob, and Lennart A. Lundberg, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 15, 1945, Serial No. 616,644
13 Claims. (Cl. 260—2)

8. A water insoluble granular resinous material obtained by a process comprising a step of bringing together an alpha-chloro-beta, gamma-epoxy hydrocarbon and at least one alkylene polyamine in the ratio of at least 2 mols of said hydrocarbon per mol of polyamine, the number of mols of said hydrocarbon being not greater than 1 mol for each amino group of said polyamine, permitting the resulting condensation product to gel, curing the resulting gel by heating at 50° C. to about 125° C., and granulating the gel, said granular resinous material being of such low water solubility that water will not dissolve more than 1 part of resin in 1,000 parts of water when it is passed through a bed of resin after the first cycle comprising an activation, exhaustion and reactivation of the resin.

2,469,684
ANION ACTIVE RESINS AND PROCESSES OF PRODUCING THE SAME
James R. Dudley, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 16, 1946, Serial No. 655,005
8 Claims. (Cl. 260—2)

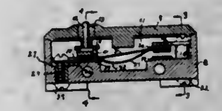
3. An insoluble granular resinous material obtained by a process comprising the steps of reacting an alkylene polyamine containing an unsubstituted primary amino group with an organic compound containing a plurality of ethylene oxide groups and no solubilizing substituents in molar proportions of from 2:1 to 3:1, ethylene oxide group containing compound to alkylene polyamine, permitting the resulting condensation product to gel, curing the resulting gel by heating, and granulating the cured gel, said material being so insoluble that no more than one part thereof will dissolve in 1,000 parts of water after a first cycle comprising an activation, exhaustion, and reactivation of the material.

2,469,685
FOCUSING APPARATUS FOR ENLARGERS
John H. Eagle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 26, 1948, Serial No. 17,227
8 Claims. (Cl. 88—24)



1. Enlarger focusing apparatus comprising a pair of spaced frames including parallel portions forming tracks, a bellows support carried at the tops of the tracks, a lens board slidable upon the tracks, a pair of parallel frame portions spaced from the tracks, a slide block at one end of said parallel portions, a post projecting vertically through the slide block, means for varying the frictional engagement between the slide block and vertical post, a flanged, spool-shaped member rotatably carried on the ends of the parallel frame portions spaced from the slide block and on the same side as the tracks whereby the weight of the tracks, lens board, and bellows support tends to thrust the spool-shaped member frictionally against the vertical post, the inner walls of the spool flanges being disposed at an angle to frictionally engage spaced walls of the vertical post to slide the spaced frames and slide block thereon by manually turning the spool when the frictional contact between the slide block and vertical post is sufficiently reduced.

2,469,686
GAUGING SWITCH
Malcolm W. Eaton, Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del., a corporation of Delaware
Application May 6, 1946, Serial No. 667,547
5 Claims. (Cl. 200—67)



1. The combination in a switch of the precision type of a snap action leaf spring, a housing therefor and an operating plunger comprising a metallic pin reciprocably mounted on said housing and a head of insulating material mounted at one end thereof within the housing in substantially concentric relation thereto, said head having a substantially flat surface at right angles to the axis of said metallic pin on the side thereof opposite said pin, said spring having a pointed rigid projection terminating in a single

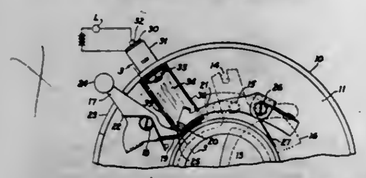
point intermediate the edges thereof fixed thereon and substantially axially aligned with said metallic pin and engageable with the flat surface of said insulating head for deflection of said spring under pressure applied to said pin.

2,469,687
CORN HARVESTER HUSKING ROLL WITH RESILIENT SECTION
Rector C. Fergason, La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application April 7, 1945, Serial No. 587,109
14 Claims. (Cl. 130—5)



1. A corn harvester husking roll comprising a rotatably mounted shaft member, a pair of front and rear parts fixedly secured to said shaft member in axially spaced relation and presenting opposed end portions of reduced diameter, a tube surrounding said shaft member and having an internal diameter considerably greater than the external diameter of the portion of the shaft member enclosed thereby, means mounting said tube in spaced concentric relation with respect to said portion of the shaft member comprising annular plug members mounted on said shaft member for movement axially thereof and affording a radially rigid support for the opposite ends of said tube, said plug members and the opposed ends of said parts having portions thereof nonrotatably detachably engaged for relative axial movement so as to permit the ends of said tube to move longitudinally relative to said parts and shaft member as the tube flexes laterally relative to its longitudinal axis, said tube being formed of complementary rubber covered arcuate sections having outwardly flanged longitudinal edge portions disposed in abutting engagement, and externally accessible means detachably uniting said abutting edge portions of said sections.

2,469,688
AUTOMATIC SHUTTER WITH BUILT-IN SYNCHRONIZER
Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 19, 1944, Serial No. 568,824
8 Claims. (Cl. 95—11.5)



1. In a flashlight synchronizing device the combination of a between-the-lens photographic shutter of the automatic type comprising a casing housing an oscillatable blade ring for opening and closing the shutter when moved between its two positions; a blade ring operating mechanism in said casing including a master lever movable between a cocked position and an inoperative position, and adapted to be connected to one side of a lamp circuit to constitute a switch contact; a trigger for engaging and moving said lever from its inoperative position to its cocked position and then releasing it; a projection on said lever moving over a given path as the lever moves between its two positions; a stationary contact adapted to be connected to the other side of said circuit and located in said casing adjacent the master lever and embracing the path of movement of said projection; said projection movable to-and-from an operative position in which it is in wiping engagement with said second contact during movement of said lever; means normally moving said projection into said operative position, and means associated with said trigger to be moved thereby for moving said projection from, and holding it out of, said operative position when said lever is in its inoperative position and until it is moved to its cocked position, whereupon it is adapted to release said projection to allow it to return to its operative position during movement of the lever from its cocked position to its inoperative position.

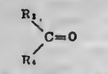
2,469,689
METHOD OF MAKING APERTURED METAL SHEETS
Donald C. Gresham, Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 23, 1945, Serial No. 584,453
In Great Britain March 25, 1944
2 Claims. (Cl. 204—24)



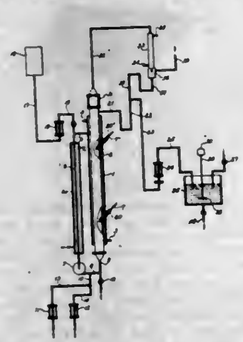
1. The method of making an apertured sheet of composite copper and nickel layers, which comprises forming in the same zone on both sides of a relatively thick imperforate copper sheet, non-conductive colloid stencils covering both sides of said copper sheet where said aperture is required, depositing on the parts of both sides of said copper sheet not protected by said stencils, thin layers of nickel, then removing said stencils and making the copper sheet the anode in a copper plating bath and passing an electric current between said anode and a cathode until the copper at the parts of said copper sheet where the nickel is absent is removed to a greater width than the width of the aperture in the nickel foil.

2,469,690
CONTINUOUS PROCESS OF PRODUCING BETA LACTONES
Hugh J. Hagemeyer, Jr., and Delmer C. Cooper, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 6, 1946, Serial No. 660,286
6 Claims. (Cl. 260—344)

1. The process of producing beta lactones by condensing a ketene with a compound containing a carbonyl group and having the graphic formula:

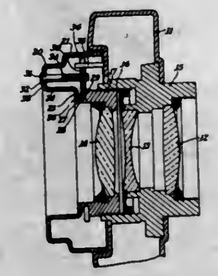


wherein R_3 is a substituent selected from hydrogen, alkyl, aralkyl aryl and carbalkoxyl groups and R_4 is a substituent selected from alkyl, aralkyl and aryl groups as the sole functional group, which comprises maintaining a body of a solution of the ketene and carbonyl compound in the beta lactone, controlling the temperature of the body of solution within the range of −50° C. to +50° C., continuously withdrawing a portion of the solution from said body, continuously adding ketene, carbonyl compounds and a solution



of a condensation catalyst to the withdrawn portion, returning the part of the solution to which the ketene, carbonyl compound and catalyst solution were added to the body of solution, and continuously removing from the recycling solution a portion thereof corresponding in amount to the amount of the reactants and the catalyst solution introduced.

2,469,691
LENS-MOUNT FOCUSING CAP
Charles M. Lee, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 28, 1947, Serial No. 771,028
3 Claims. (Cl. 95—45)



1. In a focusing lens mount having axially aligned lens-carrying cells one of which is axially adjustable for focusing the mount, of a hollow cup-shaped focusing cap formed with a focusing scale and supported by said adjustable cell, a semi-annular pinch ring carried by said adjustable cell and positioned within said cap, an annular flange formed on said adjustable cell and positioned between said cap and said ring, means for connecting and drawing said cap and ring into tight frictional engagement with said flange to connect the latter to said cap for movement as a unit therewith during focusing, a lug formed from said mount, and a shoulder formed on the periphery of said ring and adapted to engage said lug to limit the movement of said adjustable cell.

2,469,692
PROCESSES OF REMOVING ANIONS FROM LIQUIDS
Lennart A. Lundberg, Stamford, and James R. Dudley, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application September 15, 1945, Serial No. 616,644. Divided and this application September 15, 1945, Serial No. 616,645
8 Claims. (Cl. 210—24)

1. A process which comprises contacting a liquid medium containing anions with a water-insoluble granular resinous material obtained by a process comprising a step of bringing together an alpha-chloro-beta,gamma-epoxy hydrocarbon and at least one alkylene polyamine in the ratio of at least 2 mols of said hydrocarbon per mol of polyamine, the number of mols of said hydrocarbon being not greater than 1 mol for each amino group of said polyamine, permitting the resulting condensation product to gel, curing the resulting gel by heating at 50° C. to about 125° C., and granulating the gel, said granular resinous material being of such low water solubility that water will not dissolve more than 1 part of resin in 1,000 parts of water when it is passed through a bed of resin after the first cycle comprising an activation, exhaustion and reactivation of the resin, and separating said medium from said material.

2,469,693
ANION ACTIVE RESINS PREPARED FROM ALKYLENE POLYAMINES AND HYDROXY-SUBSTITUTED ALIPHATIC POLYHALIDES
Lennart A. Lundberg, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 25, 1945, Serial No. 624,606
9 Claims. (Cl. 260—2)

3. An insoluble granular resinous material obtained by a process comprising the steps of bringing together at least one alkylene polyamine and glycerol dichlorohydrin, permitting the resulting condensation product to gel, curing the resulting gel by heating, and granulating the cured gel, said granular resinous material being of such low water solubility that water will not dissolve more than one part of resin in 1,000 parts of water when it is passed through a bed of resin after a first cycle comprising an activation, an exhaustion and a reactivation of the resin.

2,469,694
PROCESSES OF REMOVING ANIONS FROM LIQUIDS
Lennart A. Lundberg, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application October 25, 1945, Serial No. 624,608. Divided and this application October 25, 1945, Serial No. 624,607
6 Claims. (Cl. 210—24)

1. A process which comprises contacting a liquid medium containing anions with a water-in-

soluble granular resinous material obtained by a process comprising the steps of bringing together at least one alkylene polyamine and glycerol dichlorohydrin, permitting the resulting condensation product to gel, curing the resulting gel by heating, and granulating the cured gel, said granular resinous material being of such low water solubility that water will not dissolve more than one part of resin in 1,000 parts of water when it is passed through a bed of resin after a first cycle comprising an activation, an exhaustion and a reactivation of the resin, and separating said medium from said material.

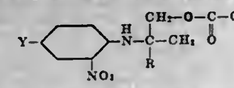
2,469,695

NITROAMINOBENZENE ESTER COMPOUNDS

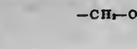
James G. McNally, Kingsport, Tenn., and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 2, 1946, Serial No. 645,230
4 Claims. (Cl. 260—490)

1. A compound having the general formula:



wherein Y represents a member selected from the group consisting of a chlorine atom and an N-ethyl sulfoneamide group and R represents a member selected from the group consisting of a methylol group and a



group.

2,469,696

PROCESS FOR PREPARING WATER-SOLUBLE POLYACRYLAMIDE

Louis M. Minsk and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application July 22, 1946, Serial No. 685,377
5 Claims. (Cl. 260—83)

1. A process for preparing a water-soluble polyacrylamide comprising adding polyacrylyl chloride dissolved in acetone to more than the stoichiometrically calculated quantity of liquid ammonia required to react with all the chloride atoms contained in the added polyacrylyl chloride to form the said water-soluble polyacrylamide and ammonium chloride, the said polyacrylyl chloride in acetone being added gradually to the liquid ammonia while stirring the reaction mass.

2,469,697

PREPARATION OF 2-CHLOROBENZOTHIAZOLE

Neil S. Moon, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester N. Y., a corporation of New Jersey

No Drawing. Application December 5, 1946, Serial No. 714,145
5 Claims. (Cl. 260—304)

1. A process for preparing a 2-chlorobenzothiazole comprising reacting, at a temperature of not more than 50° C., one molecular proportion of a 2-mercaptobenzothiazole with at least 6 molecular proportions of sulfuryl chloride (SO_2Cl_2).

2,469,698

KNOCKDOWN COOKING GRID

Roland J. Morgan, Oakland, Calif., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich., a corporation of Michigan

Application August 24, 1945, Serial No. 612,333
5 Claims. (Cl. 248—166)



1. A knockdown cooking grid comprising a plurality of like grid top sections, each comprising cross bars and a plurality of grid bars secured to the tops thereof in spaced parallel relation with the ends of the cross bars projecting beyond the outer grid bars of the sections, said grid bars having downturned eyes at the ends thereof, coupling and supporting rods removably disposed through the eyes of the grid bars with the sections arranged in edge to edge relation with the ends of cross bars of adjacent sections in abutting relation to space the end grid bars of adjacent sections, and leg members comprising laterally spaced legs and connecting cross bars therefor, the legs being provided with eyes receiving said coupling and supporting rods, said legs being spaced so that the leg members are of substantially the width of the grid sections permitting the stacking thereof with the grid sections when the structure is disassembled.

2,469,699

FISHHOOK REMOVER

John D. Mundy, Los Angeles, Calif.

Application November 13, 1945, Serial No. 628,000
1 Claim. (Cl. 43—29)



A hook remover comprising a shank and a ball secured to an end of the shank, said ball being provided with a hole therethrough having its axis in a plane of the longitudinal axis of the shank, said axis of the hole also being at an acute angle to a plane including the axis of the shank, said ball having a slot extending from the peripheral surface thereof to the hole and having the portion thereof at the periphery at an angle to the longitudinal axis of the hole, the hole and slot being so constructed and arranged that the ends of the slot meet the ends of the hole at the opposite ends of the hole.

2,469,700

TRANSPARENT PROTECTIVE GARMENT FOR INFANTS

Edwina S. Petrucelli, Kirkland, Wash.

Application March 7, 1947, Serial No. 732,974
2 Claims. (Cl. 2—69.5)

2. A protective garment for infants, comprising: a transparent envelope adapted to cover an infant's body, a bottom secured to said envelope, a plurality of ventilating openings in said bottom, a flap secured along its upper side and ends positioned to form a shield for said openings, closure means for the upper side of said envelope, a plurality of groups of ventilating openings angularly disposed on each side of said closure means,



protective flaps disposed to shield each of said groups of ventilating openings, said lower ventilating openings and said upper ventilating openings adapted to co-act and provide means for promoting convectional flow of air through the envelope; and puckering means for closing said envelope about an infant's neck.

2,469,701

PREPARATION OF ACRYLIC ACID

Bryan C. Redmon, Amherst, Mass., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application February 13, 1946, Serial No. 647,425
4 Claims. (Cl. 260—526)

1. In the process of preparing acrylic acid by dehydration of hydracrylic acid, the steps which comprise adding the hydracrylic acid gradually to an acid dehydration catalyst maintained at dehydration temperatures of between about 130° to 190° C. under pressures below 100 mm. of Hg to form an aqueous solution of acrylic acid and distilling off the aqueous acrylic acid as formed, the rate of addition of hydracrylic acid being so regulated that the total volume of catalyst remains nearly constant.

2,469,702

PRODUCTION OF ALKYL HALIDES

Clare C. Schwegler and Frank M. Tennant, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application November 7, 1946, Serial No. 708,470
10 Claims. (Cl. 260—663)

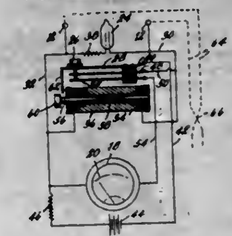
1. In a method for the production of an alkyl halide wherein an olefine and a hydrogen halide are passed into a mixture of a catalyst containing a metal halide of the class consisting of aluminum chloride, aluminum bromide, ferric chloride and ferric bromide, and a non-reactive organic liquid of boiling point at least as high as that of the alkyl halide thus formed while vaporizing the resultant alkyl halide from the mixture, the improvement which consists in curtailing foaming during the reaction by adding a minor amount of sulphur to the reaction mixture.

2,469,703

SHORT CIRCUIT DETECTOR

Leon L. Simkins, Kalamazoo, Mich., assignor to The Wigginton Company, Kalamazoo, Mich.

Application April 20, 1946, Serial No. 663,694
7 Claims. (Cl. 175—183)



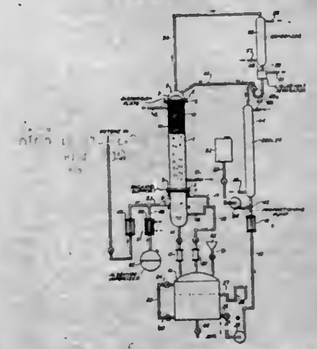
1. An electrical testing instrument comprising means for connecting said instrument across a circuit to be tested, visual indicating means electrically connected across said connecting means, an electromagnet connected across said connecting means, a meter, a power source, and manually operable normally open switch means for connecting said meter and said power source across said first mentioned connecting means, said electromagnet being arranged to render said switch means inoperative when said electromagnet is energized.

2,469,704

CONTINUOUS PROCESS OF PRODUCING BETA LACTONES AT REDUCED PRESSURE

Herbert G. Stone, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

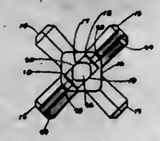
Application April 6, 1946, Serial No. 660,285
5 Claims. (Cl. 260—344)



5. The process of producing beta butyro lactone by condensing ketene with acetaldehyde, which comprises continuously passing a gaseous mixture of ketene and acetaldehyde at a reduced pressure within the range of 10–250 mm. countercurrently to a circulating stream of beta lactone containing a condensation catalyst, controlling the temperature of the beta lactone stream within the range of −50° C. to +50° C., collecting the beta butyro lactone product which is formed in the condensation reaction in solu-

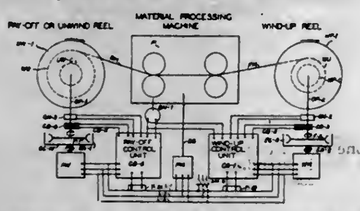
tion in the beta lactone stream, adding condensation catalyst to the circulating beta lactone and removing from the recycling solution a portion thereof corresponding in amount to the amount of the reactants and catalyst introduced.

2,469,705
REPLACEMENT HANDLE
Louis J. Vesper, Los Angeles, Calif.
Application March 4, 1946, Serial No. 651,747
1 Claim. (Cl. 287—53)



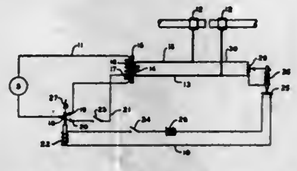
In a replacement handle for a valve stem, the combination of a central body portion having a lateral arm extending radially therefrom, the arm having a radially extending groove on its under side, a projection extending downwardly from the body portion, a recess defined within the body portion and projection and having parallel sides, a jaw slidably mounted within said recess between said parallel sides, said jaw having a V section provided with teeth for engaging a valve stem, and a threaded element at the inner end of the groove under the lateral arm adapted to advance the jaw within said recess.

2,469,706
ELECTRONIC TENSION CONTROL APPARATUS
Anthony Winther, Kenosha, Wis., assignor to Martin P. Winther, Waukegan, Ill., trustee
Application May 4, 1944, Serial No. 534,111
18 Claims. (Cl. 242—75)



1. Material reeling apparatus comprising a rotary reel for a winding of the material, means for maintaining a substantially constant linear velocity of the material, the winding having an increasing winding diameter as the reel rotates whereby the speed of the reel decreases, an A. C. overrunning motor for turning the reel, an electric slip coupling between the motor and the reel, an electric field in said slip coupling, said decreasing reel speed increasing slip in the coupling accompanied by an increase in driving torque applied by the motor through the coupling and accompanied by an increase in the motor current, and circuit control means responsive to said increase in motor current and responsive to incipient reduction in reel speed adapted to control the energization of said field so as to adjust the slip in said coupling so as to produce a torque delivered from the motor to the reel which will maintain substantially constant tension in said material as the winding diameter increases.

2,469,707
METHOD AND APPARATUS FOR FLASH WELDING
Fritz Albrecht, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application June 24, 1947, Serial No. 756,739
12 Claims. (Cl. 219—4)



1. In a flash welding machine including a variable current transformer connected to a power supply means, the combination with work piece holding means connected to receive current from the transformer to provide a welding arc, means to move said work holding means toward each other to establish said welding arc between the work pieces, of a low voltage responsive means connected across the work pieces and associated with the supply means to change the transformer connections to increase the current output of the transformer on a reduction in voltage at the work pieces.

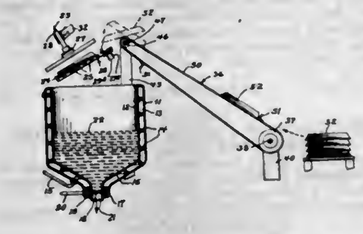
2,469,708
SANDAL WITH PIVOTED-RING STRAP RECEIVERS
Verna Cook Alexander, Spartanburg, S. C.
Application October 29, 1946, Serial No. 706,466
3 Claims. (Cl. 36—11.5)



1. A sandal having a relatively thick sole and having a plurality of eyelet members pivotally mounted around the side edges of the sole intermediate the top and bottom edges thereof and at an elevation high enough to prevent depending eyelet members from touching the surface on which the sandal may rest and adapted to normally hang downwardly, some of said eyelets being adapted to receive a lace member which is adapted to be passed over the foot of the wearer and through some of said eyelets and then having its ends secured together for holding the sandal on the foot.

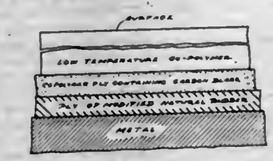
2,469,709
APPARATUS FOR MELTING CHOCOLATE AND OTHER CONFECTIONS
Handel Ashworth, Baldwin, and Percy W. Doblin, Brooklyn, N. Y.
Application August 22, 1946, Serial No. 692,164
7 Claims. (Cl. 219—47)

1. In apparatus for melting slabs of chocolate or the like, a vessel to receive the melted chocolate, a pair of spaced electrodes positioned above said vessel and inclined to the horizontal, means to retain each slab in position on the lower of said electrodes until it melts, means to supply radio



frequency energy to said electrodes, and conveyor means for elevating said slabs and sequentially delivering them between said electrodes.

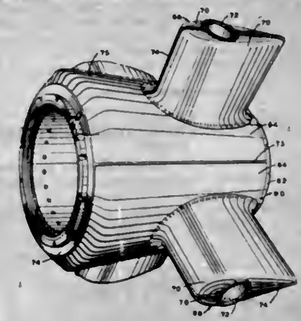
2,469,710
LAMINATING BY MEANS OF AN ISOOLEFIN-DIOLEFIN INTERPOLYMER TIE PLY
Francis P. Baldwin, Pluckemin, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 5, 1943, Serial No. 471,369
14 Claims. (Cl. 154—130)



9. The method of uniting a low temperature isoolefin-diolefin interpolymer prepared by reacting together a major proportion of isobutylene with a minor proportion of a low molecular weight, aliphatic, conjugated diolefin having 4 to 12, inclusive, carbon atoms per molecule in the presence of a Friedel-Crafts catalyst dissolved in an organic solvent which forms no complex therewith and is liquid at the reaction temperature, the reaction being conducted at a temperature between −40° C. and −160° C.; to another solid body comprising the steps of compounding into the polymer a quantity of carbon black within the range between 100 parts and 225 parts per 100 parts of polymer, holding it therein by mechanical interlocking and applying to projecting portions of the carbon black a modified rubber containing cement which wets the carbon black and is adherent thereto and to another body.

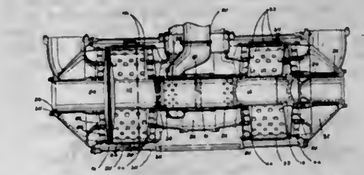
2,469,711
FAIRING ASSEMBLY FOR TURBINE BEARINGS
Charles A. Baresch, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,870
11 Claims. (Cl. 308—15)

9. A fairing for a bearing mounting including a number of similar segments extending around the mounting and secured to each other on adjoining edges to form an enclosure for the mounting, a threaded ring on the trailing edges of



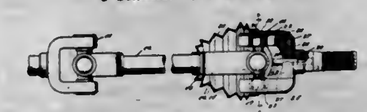
the fairing segments and a domed cap engaging said ring and closing the end of the fairing.

2,469,712
CONTROL FOR SPILL PORTS IN FREE-PISTON UNITS
Richard S. Buck, Glastonbury, and Walter A. Ledwith, Hartford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,874
12 Claims. (Cl. 230—56)



1. A free-piston unit including an engine cylinder and piston, a compressor cylinder and piston, said pistons being interconnected to move as a unit, said compressor cylinder having at least one row of circumferentially arranged ports, and a band extending circumferentially around said compressor cylinder and overlying the ports, and means for moving said band radially to close or open the ports.

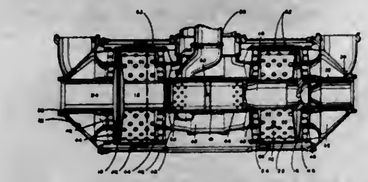
2,469,713
UNIVERSAL JOINT
Stephen L. C. Coleman, Fredericton, New Brunswick, Canada
Application August 2, 1945, Serial No. 608,441
In Great Britain August 4, 1943
3 Claims. (Cl. 64—23)



1. A universal joint comprising a connecting element having pairs of trunnions at right angles, a yoke having arms in which one pair of said

trunnions is journaled, a pair of roller bearings, one for each trunnion of the other pair of trunnions, a second yoke having a pair of arms and a longitudinal groove in each arm to receive a roller bearing of said trunnions, a control yoke engaging said second pair of trunnions and having a sliding engagement with said second yoke.

2,469,714
SPILL PORT CONTROL FOR FREE-PISTON UNITS
Kenneth C. Cooper, Portland, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,877
8 Claims. (Cl. 230—56)

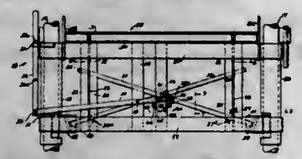


1. A free-piston engine-and-compressor unit including a compressor piston and cylinder, said cylinder having at least one circumferential row of spill ports therein, a band extending circumferentially around said cylinder and being movable on said cylinder into a position to cover the ports, and a ring extending around the cylinder and overlying the band to form a channel in which the band may move, said ring having ports aligned with the ports in the cylinder, and said band having ports movable into and out of alignment with the ports in the cylinder and ring.

2,469,715
COBALT BASE ALLOY COMPOSITION
Hugh S. Cooper, Cleveland, Ohio
No Drawing. Application June 12, 1945, Serial No. 599,122
6 Claims. (Cl. 75—170)

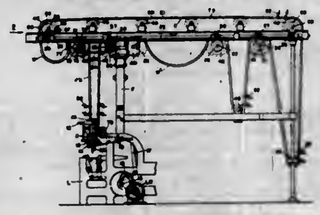
1. An alloy consisting of from 9 to 11% tungsten, 11 to 9% molybdenum, the total amount of tungsten and molybdenum approximating 20%, balance cobalt.

2,469,716
SCAFFOLD
Thomas G. Di Santi, Newark, N. J.
Application June 21, 1946, Serial No. 676,286
13 Claims. (Cl. 304—18)



1. In a scaffold, in combination with a post, a sleeve slidable upon said post, a stationary inclined plane, a brake member for engaging said post, said brake member having a hole and an inclined slot, the slot slidably engaging the said inclined plane, a platform positioned above the brake member, an inclined rod in engagement at its upper end with the platform to support its weight and entering at its lower end the brake member hole to force the said brake member upwardly on the inclined plane and wedge against the post, and means for actuating the rod to move the brake downwardly on the inclined plane and release same from wedging engagement with the post.

2,469,717
CONTROL FOR AXMINSTER LOOM TUBE FRAME CONVEYER SYSTEMS
Raymond F. Dion, Leominster, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 18, 1947, Serial No. 792,565
19 Claims. (Cl. 139—7)



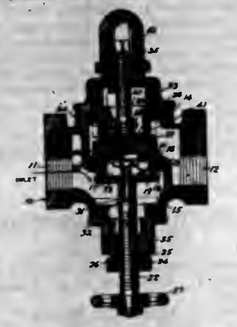
1. In an Axminster loom provided with a tube frame conveyor system having two tight sections movable independently of each other and joined by two slack sections and wherein both tight sections are required to move substantially the same distance during an extended period of weaving, means operated by the loom moving one of said tight sections said distance during the period of weaving, an electric motor operatively connected to the other tight section and having periods of running alternating with periods of stoppage, and electric means controlled by the other tight section causing the motor during the periods of running thereof to move the other tight section said distance during said period of weaving.

2,469,718
ALLOYS
Daniel Leonard Edlund and Theodore Loring Oberle, Mount Lebanon, Pa., and Jerome Strauss, New York, N. Y., assignors to Vanadium Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application January 13, 1945, Serial No. 572,640
14 Claims. (Cl. 75—171)

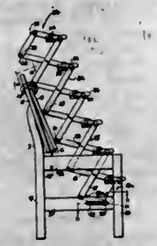
1. An alloy consisting essentially of 5 to 40% chromium, 1 to 40% of at least one tungsten-type metal of the group consisting of tungsten, molybdenum and uranium, 0.05 to 7% beryllium 0.25 to 7% boron, 0.01 to 3% carbon, an effective amount of cobalt and an effective amount of nickel, the sum of the cobalt and nickel constituting 25 to 65% of the alloy, the tungsten-type metals not exceeding 40% of the alloy.

2,469,719
PRESSURE REDUCING VALVE
Thomas B. Ford, Jr., Fair Haven, N. J.
Application August 27, 1947, Serial No. 770,813
13 Claims. (Cl. 277—65)

1. In a fluid pressure reducing valve of the balanced piston type, a body having an inlet opening and an outlet opening, a partition in the body separating said openings and having an aperture therethrough, a valve seat on the partition surrounding the aperture, a piston movable in the body under the difference in the fluid pressures at the inlet and outlet openings, axially of and toward and from the aperture to close and to open the valve, an adjusting screw limiting the movement of the piston in one direction, a yieldable cushion interposed between the piston and the adjusting screw and arranged to be compressed therebetween when the piston reaches the limit of its path of movement in said one direction, said cushion being of lesser thickness than the length of said screw and the length of said piston and accurately determining the pressure of the fluid discharged through the outlet opening, and means for guiding the piston in its movement including a rod projecting axially from the piston and a relatively fixed member secured to the body and having an opening therein receiving and guiding an end portion of the rod.



2,469,720
COMBINATION CHAIR AND LADDER
John Furlin, New York, N. Y.
Application December 6, 1947, Serial No. 790,091
5 Claims. (Cl. 155—42)



1. A combination chair and ladder comprising a back rest, a pair of front legs, a pair of rear legs, two side seat supports, a seat pivoted thereon movable between a horizontal position upon said supports and a raised position against said back rest, two braces each connecting a front and corresponding rear leg and disposed a predetermined distance below said seat supports, an extensible ladder supported by said braces, said ladder containing two extensible lateral supports and a plurality of steps operatively supported therebetween, said ladder being extensible from a collapsed condition below the said horizontal position of the seat to a predetermined raised position thereabove, and anchor means attached to the ladder and engageable with the chair for holding the ladder in said raised position, said braces containing substantially horizontally disposed slotted portions, said ladder containing at the bottom thereof a base cross bar the lateral terminal portions of which extend into and are slidably engageable with said slotted portions, whereby the ladder is slidably supported by said slotted portions.

2,469,721
ELECTRICAL CABLE COMPOSITION
Philip Tucker Gidley, Fairhaven, Mass., assignor, by mesne assignments, to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 21, 1944, Serial No. 559,841
8 Claims. (Cl. 260—45.5)

1. A vulcanized composition consisting predominantly of a homogeneous blend of a rubbery butadiene acrylic nitrile copolymer and a hard, tough, thermoplastic resin consisting of polymerized vinylidene chloride.

2,469,722
CORSET STAY
Jessie L. Gowen, Colfax, Wash.
Application June 3, 1946, Serial No. 674,071
2 Claims. (Cl. 2—257)

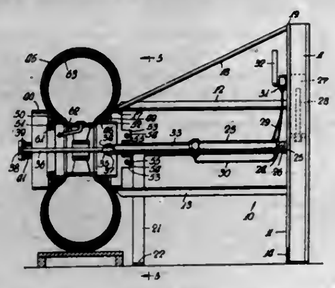


1. A garment stay of the character described comprising an elongated strip of stay material and means to secure the strip to a garment comprising a clip of substantially rigid material covering the end of the strip and being pivoted thereon, said clip being composed of opposed side portions joined along their side edges that face away from the strip, said side portions receiving the said end of the strip therebetween, and said side portions being extended beyond the strip at both side edges of the strip, thereby providing securing portions by which the clip may be attached to a garment.

2,469,723
FRAME MOUNTED AXIALLY COLLAPSING TYPE TIRE REMOVING APPARATUS
Wallace Greene, New York, N. Y.
Application May 9, 1945, Serial No. 592,733
3 Claims. (Cl. 157—1.2)

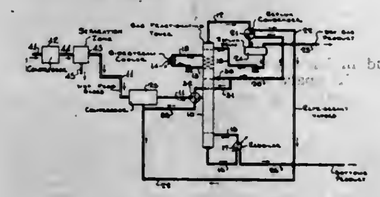
1. In an apparatus for breaking the beads of a tire from the flanges of a drum or the like upon

which the tire is mounted comprising in combination, an upright frame, ring supporting means extending horizontally from said frame, a ring for engaging the inner bead of said tire adjacent the drum flange, said ring being supported in spaced relation to said upright frame, a second and opposed ring for engaging the outer bead of said tire adjacent the drum flange, power driven means on said frame having an axially movable stem arranged to extend through said



rings and the hub of said drum, a removable cross member at the free end of said stem adapted to span said second ring whereby drawing of the rings toward each other by said power driven means will cause the beads of the tire to be simultaneously engaged between said rings, and removable stop means in back of said first mentioned ring for engaging said drum and limiting its movement, to effect breaking of the beads from opposed drum flanges.

2,469,724
HYDROCARBON FRACTIONATING
George W. Gross, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 27, 1946, Serial No. 718,851
1 Claim. (Cl. 183—114.6)



A process for separating a complex mixture of C_1 to C_5 hydrocarbons which comprises subjecting said mixture to a pressure sufficient to liquefy C_3 to C_5 hydrocarbons, removing the liquefied C_3 to C_5 hydrocarbons leaving a residual mixture of C_1 to C_4 hydrocarbons, subjecting the said mixture of C_1 to C_4 hydrocarbons to a pressure sufficient to substantially liquefy the mixture, passing said liquid mixture into a fractionating zone, operated at about 430 p. s. i., separating from said fractionating zone an overhead gaseous fraction comprising principally C_1 hydrocarbons at a temperature of about 105° F., two liquid side stream fractions comprising principally C_3 hydrocarbons, and a bottoms fraction comprising principally C_4 hydrocarbons, reducing the pressure on one of the said liquid side stream fractions to about 20 p. s. i., to effect substantial vaporization, cooling the overhead gaseous fraction by indirect heat exchange with a part of said vaporized side stream fraction, cooling the incoming feed stock to the fractionating zone with another part of the said vaporized side stream fraction, condensing a portion of the cooled overhead gases providing a gaseous product and a condensed liquid, removing from said cooled overhead fraction the gaseous product, recycling the condensed liquid as reflux into the fractionating zone at a temperature of about 50° F., compressing the vaporized side stream material after said heat exchange and recycling said compressed side stream product into said fractionating zone and cooling the second liquid side stream fraction to a temperature of about 90° F. and passing the cooled second liquid side stream to an upper part of the fractionating zone above the point at which the second liquid side stream was withdrawn.

2,469,725
SYNTHETIC LUBRICATION OIL PRODUCTION
Raymond L. Heinrich, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application March 7, 1947, Serial No. 733,182
3 Claims. (Cl. 260—683.15)

1. A method for producing an improved lubricating oil which includes the steps of subjecting a first mixture including alpha and beta olefins and alpha tertiary olefins to a separation treatment to obtain a second mixture of alpha mono-olefins and alpha tertiary olefins, subjecting the second mixture of alpha mono-olefins and alpha tertiary olefins to polymerization conditions in the presence of a polymerization catalyst to form a polymer in the lubricating oil boiling range, separating the polymer from the catalyst and recovering a product suitable for use as a lubricating oil.

2,469,726
DESULFURIZATION OF TRI-ISOBUTYLENE
William G. Hockberger, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 6, 1946, Serial No. 695,279
4 Claims. (Cl. 260—677)

1. A process for removing sulfur from tri-isobutylene comprising fractionating crude tri-isobutylene containing sulfur into three fractions and percolating the middle cut through 10–20 lbs. of 28–200 mesh silica gel per bbl. of tri-isobutylene, whereby the sulfur is substantially completely removed.

2,469,727
ELECTRODEPOSITION OF NICKEL
Raymond A. Hoffman, Euclid, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 30, 1944, Serial No. 528,778
6 Claims. (Cl. 204—49)

1. A nickel plating composition comprising a nickel compound selected from the group consisting of nickel sulfate, nickel chloride, and mixtures of nickel chloride and nickel sulfate, and $1/200$ to $1/50$ parts by weight of a sultone.

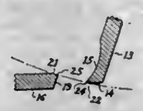
2,469,728
INCREASING ADHESIVITY OF ASPHALT TO MINERAL AGGREGATE CONSISTING OF MOLLUSK SHELLS
August Holmes, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 17, 1945, Serial No. 622,931
2 Claims. (Cl. 106—283)

1. In a process for preparing asphaltic road surfacing material employing an aggregate consisting of mollusk shells, the improvement which comprises pretreating said mollusk shells with a dilute solution of a strong mineral acid of 2% to 5% concentration and subsequently coating said pretreated aggregate with an asphalt.

2,469,729
HEAT EXCHANGE METHOD FOR THE DROP-WISE CONDENSATION OF VAPORS
James B. Hunter, Upper Darby, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application December 28, 1945, Serial No. 637,768
2 Claims. (Cl. 257—28)

1. The method of effecting drop-wise condensation of vapors, which comprises contacting said vapors with a cooling surface coated with a thin film of a compound produced by wetting said surface with an alcohol and treating the wetted surface with an organo-silicon halide.

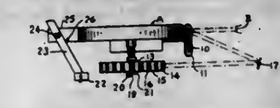
2,469,730
METHOD OF SHARPENING LAWN MOWER BLADES
Paul R. Hutchinson, Rochester, N. Y.
Application July 2, 1947, Serial No. 758,647
2 Claims. (Cl. 51—281)



1. The method of sharpening a lawn mower which consists of leaving a small gap between the stationary blade and rotating blades, abrading that face of each rotating blade which rotates toward the stationary blade with a downward motion in order to leave a burr extending in a direction away from the center of the radius of rotation of the blades, abrading the forward face of the stationary blade with an upward motion in order to leave a burr extending upward, and shearing the burrs by rotating the rotating blades.

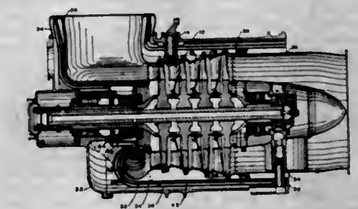
2,469,731
AUDIBLE REEL SIGNAL FOR MOTION-PICTURE PROJECTORS
James Gordon Jackson, Vancouver, British Columbia, Canada, assignor of one-half to James Nelson Trumpour, Port Alberni, British Columbia, Canada
Original application December 1, 1943, Serial No. 512,491. Divided and this application December 29, 1945, Serial No. 638,114
5 Claims. (Cl. 116—74)

1. An audible signal for reels of motion picture projectors comprising an oscillatory means operatively connected to the reel shaft and a sound producing means, said oscillatory means being designed continuously to oscillate with a maximum amplitude at a predetermined reel speed to operate the sound producing means, the latter being adjustably mounted and movable



between an operative position and an inoperative position out of the path of the oscillatory means, and movable means in connection with said projector movable when changing a reel for actuating said sound producing means into an operative position.

2,469,732
TURBINE COOLING
Andrew Kalitinsky, Eagleville, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,882
2 Claims. (Cl. 60—41)

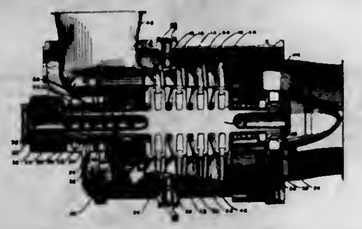


1. A turbine having a casing with a row of nozzles, a housing surrounding and supporting the casing, a rotor within the casing and supported by the housing, said rotor having a row of blades adjacent to the row of nozzles and a projecting shaft, an inlet duct delivering power fluid to the nozzles, a seal around said shaft to control leakage of power fluid along said shaft, and means for discharging gas from said seal into the space between the casing and housing, said space being separate from and out of communication with the power fluid path defined within the inlet duct and the casing, said space constituting an annular cooling chamber surrounding the casing.

2,469,733
CRACKING OIL WITH AEROGEL CATALYSTS
Kenneth K. Kearby, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 16, 1942, Serial No. 451,220, which is a division of application Serial No. 311,936, December 30, 1939. Divided and this application December 3, 1943, Serial No. 512,778
4 Claims. (Cl. 196—52)

1. Process for cracking petroleum oil to produce motor fuel having high anti-knock properties comprising intimately contacting the oil to be cracked while at a cracking temperature with a metal oxide catalyst in the form of an aerogel.

2,469,734
BEARING AND SEAL ASSEMBLY FOR TURBINES
Walter A. Ledwith, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,888
10 Claims. (Cl. 308—36.1)



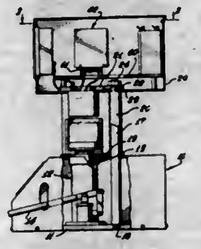
10. A bearing and seal assembly including a rotating shaft, a sleeve mounted on the shaft, means on said shaft for limiting the axial movement of the sleeve in one direction, said sleeve having a number of axially spaced outwardly extending radial sealing elements thereon, a second sleeve adapted to be mounted on said shaft in endwise engagement with the first sleeve, said second sleeve having a bearing surface, a continuous annular bearing around the bearing surface on said second sleeve, a stationary support for said bearing, said support having an integral substantially cylindrical extension with axially spaced inwardly extending radial sealing elements cooperating with the sealing elements on said first sleeve, said sleeve having interengaging face splines to prevent relative rotation, and one of said sleeves being splined to the shaft, said support being split for assembly over the sealing elements on the sleeve, and means for clamping said second sleeve axially against said first sleeve and said first sleeve against said means on said shaft.

2,469,735
POLISHING MACHINE
Edward C. Lindsay, Newton Falls, Ohio, and Eugene L. Anderson, Coraopolis, Pa., assignors to Standard Steel Spring Company, Coraopolis, Pa., a corporation of Pennsylvania
Application July 10, 1948, Serial No. 37,988
9 Claims. (Cl. 51—141)



1. In an abrasive belt polishing machine, a frame, a work roll having an abrasive belt passing around it and mounted on a shaft, a bearing supporting each end of the shaft, each bearing being independently and resiliently supported from the frame, whereby the work roll shaft can tilt in one plane out of its normal position so as to conform the work roll to the contour of a workpiece pressed against the abrasive belt.

2,469,736
ELECTRONIC APPARATUS FOR DETERMINING MOISTURE CONTENT IN MATERIALS
Marvin L. McBrayer, Alhambra, Calif.
Application February 24, 1945, Serial No. 10,437
2 Claims. (Cl. 175—183)



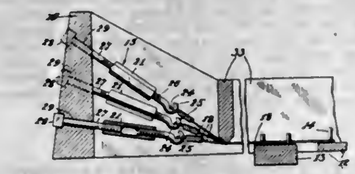
1. In a moisture testing instrument for granular materials, the combination of: a base frame member, a power unit mounted on said base frame member, said power unit having a vertically movable plunger, a material cap carried by said plunger, an upper frame member positioned over said cup, tie rods connecting said base frame member and said upper frame member, an electrode holder carried by and extending downwardly from said upper frame member in alinement with said cup, and being adapted to slidably receive said cup with a close working fit, an insulation block carried by the lower end of said holder, electrode means on said block adapted to contact a sample of material in said cup when said plunger is elevated, an instrument housing carried by said upper frame member, a vacuum tube oscillator mounted within said housing, said oscillator including a vacuum tube, power supply means, a meter sensitive to power output, a power output circuit connected to said electrode means, and resistor means for influencing the sensitivity of the oscillator, a quick detachable unit inside said housing carrying a portion of said oscillator including said resistor means, the members of said oscillator carried by said quick detachable unit having quick-break circuit connections with the members of the oscillator mounted in said housing separate of said removable unit.

2,469,737
ADDITION AGENT FOR GASOLINE
John G. McNab, Cranford, and Harry W. Rudel, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 14, 1946, Serial No. 716,432
11 Claims. (Cl. 44—69)

1. A composition consisting essentially of tetraethyl lead and a small but stabilizing amount of a polymerized alpha-beta unsaturated acid ester having a molecular weight of at least 2,000 to 30,000.

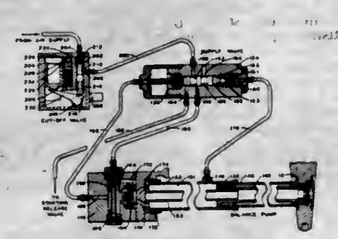
2,469,738
TUNING DEVICE FOR PIANOFORTES
John Meiszner, New York, N. Y.
Application May 16, 1946, Serial No. 670,074
1 Claim. (Cl. 84—205)

In a tuning device for pianofortes having a piano frame with a hitch pin for one end of a string, said string having a loop at its other end, a bridge for the string, an agraffe having a curved part on which the string passes, and an end wall transverse to the frame and spaced from the agraffe and having bores and square recesses at the ends of the bores, the combination of a plurality of turnbuckles disposed between the transverse wall and the agraffe, and each having one end secured to a rod passing through a bore of the wall, and having a square head engaging a square recess in the end wall and each turnbuckle having a hook to engage a loop, each hook of each turnbuckle being at right angles to the axis of the turnbuckle, and the connecting seat of each



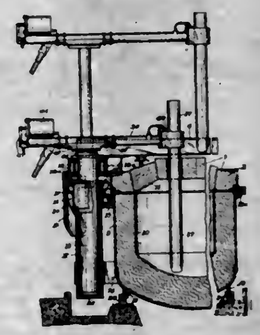
hook and loop being aligned with the axis of the turnbuckle, said hook and loop connection subjecting the string to tension without twisting or torsion of the string, the agraffe being spaced near the loop of the string held by the turnbuckle, and the space between the wall and agraffe being in free communication with the space below the wall and agraffe, whereby substantially the full length of the string between the agraffe and the bridge may be utilized for resonant vibrations, and the tensioning of the string is free from twisting or torsion of the string.

2,469,739
STARTING CONTROL FOR FREE-PISTON UNITS
Donald E. Meitzler, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,894
6 Claims. (Cl. 230—56)



1. A free-piston unit having a cylinder, a piston reciprocating in the cylinder, a fluid pressure actuated starting system for the unit, and a cut-off valve for controlling the supply of fluid under pressure to said system, in combination with a stroke indicator operative during the operation of the unit for indicating the end positions of successive piston strokes, and means under the control of said indicator for operating the cut-off valve to close it during operation of the unit.

2,469,740
ARC FURNACE WITH LIFT AND SWING ASIDE ROOF
William E. Moore, Pittsburgh, Pa., assignor to Delaware Engineering Corporation, Pittsburgh, Pa., a corporation of Delaware
Application January 31, 1946, Serial No. 644,582
9 Claims. (Cl. 13—9)



4. In an electric furnace having a roof, a support for said roof, a fluid pressure cylinder connected to said roof support for elevating said support to raise said roof, an electrode support carried by said roof support, and a ram mounted concentrically within said cylinder and connected to the electrode support for moving said electrode support independently of said roof support.

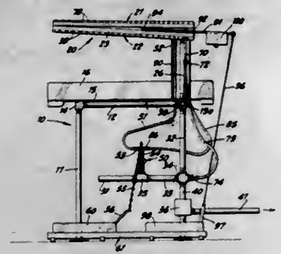
2,469,741
SOLUBLE CUTTING OIL BASE
Arnold J. Morway, Clark, and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 11, 1947, Serial No. 754,086
3 Claims. (Cl. 260—98)

1. The method of producing a sulfurized cutting oil base which comprises treating a crude dark-colored aliphatic ester of hydrogenated rosin acids with 0.1 to 2.0% of a phosphorus chloride by weight, based on said ester, at a temperature of approximately the boiling point of said phosphorus chloride, for a period of time sufficient to substantially clarify said ester, and thereafter reacting said clarified ester with 8 to 15% flowers of sulfur at a temperature of 300° to 400° F. for a period of ½ to 2 hours.

2,469,742
EXPANSION SLEEVER
Ernest J. Newhouse, Los Angeles, Calif.
Application April 29, 1947, Serial No. 744,667
10 Claims. (Cl. 223—73)

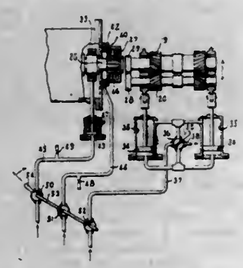
1. An expansion sleever comprising a supporting stand, a pair of generally horizontally disposed heads arranged one above the other, the lower head being rigidly supported at one of its ends from said stand, and the upper head being movable toward and away therefrom, each of said heads having a heater compartment and a steamer compartment, means for raising said upper head away from said lower head, means for

continuously admitting steam to said heater compartments, and valve means controllable by the



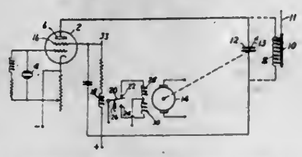
operator for admitting steam to said steamer compartment.

2,469,743
LOCOMOTIVE REVERSING GEARING
John S. Newton, Lansdowne, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 28, 1946, Serial No. 680,117
4 Claims. (Cl. 192—4)



4. In combination, propulsion means; a prime mover including a uni-directional rotary driving member; reversing gearing for connecting said rotary driving member to the propulsion means; a casing structure for the prime mover and the gearing and provided with bearings therefor; said gearing including a driven gear carried by a pair of said bearings arranged so that the gear axis is parallel to the rotary driving member axis, a carrier journalled on the bearings of said pair in coaxial relation with the driven gear axis, a pair of continuously meshing pinions rotatably mounted on the carrier with their axes maintained continuously fixed in relation to the carrier and equally spaced radially from the driven gear axis and one of the pinions being larger than the other so that the larger one continuously meshes with the driven gear and the smaller one is continuously out of mesh therewith; said pinions having such diameters that their axes are each spaced from the driven gear axis a radial distance which is the same as that between the rotary driving member and driven gear axes, whereby the carrier may be positioned with either pinion in axial alignment with the rotary driving member; driven clutch members connected to the pinions; a driving clutch member connected to the rotary driving member and movable for connection with and disconnection from the driven clutch member of whichever pinion aligns with the rotary driving member; spaced abutments carried by the casing and engageable by abutments on the carrier to define aligning positions of the pinions with the turbine rotary member; the pinions having such relation to the gear and the rotary driving member that, for each direction of drive of the gearing, the driving torque is effective to exert engaging pressure on the engaged abutments; means for shifting the carrier from engagement with one casing abutment to engagement with the other casing abutment and vice versa; a brake for the rotary driving member; and means operative to apply the brake, to disconnect the driving clutch member from the driven clutch member of the aligned pinion, to shift the carrier to align the other pinion with the rotary driving member, to connect the driving clutch member with the driven clutch member of the latter pinion, and to release the brake in sequence.

2,469,744
TELEMETERING SYSTEM FOR TRANSMITTING INDICATIONS OF MOVEMENTS
Joseph Razek, Llanerch, Pa., assignor to Cochrane Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 22, 1945, Serial No. 617,962
10 Claims. (Cl. 318—28)

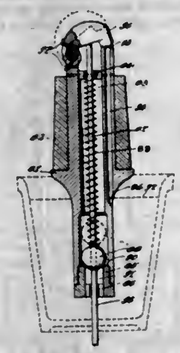


10. A telemetering system comprising a vacuum tube oscillator circuit having at least two resonant components, one of which is a high Q crystal in the grid circuit of said vacuum tube and the other of which is in an anode circuit of said vacuum tube and has a variable resonant frequency, the last mentioned component including a pair of impedances, means for independently varying one of said impedances, and means responsive to an operating characteristic of said oscillator circuit for varying the other of said impedances to maintain the operating characteristics of said oscillator circuit substantially constant in the region of resonance of said second resonant component at a lower frequency than that corresponding to maximum oscillations in the circuit, so that the value of the last mentioned impedance bears substantially continuously a predetermined relationship to the value of the first mentioned variable impedance.

2,469,745
STABILIZING AROMATIC AMINES
Anthony E. Robertson, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 21, 1946, Serial No. 678,355
11 Claims. (Cl. 260—578)

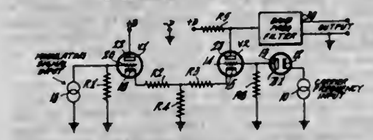
1. A composition of improved stability comprising an aromatic mono-amine containing dissolved therein a small but stabilizing amount of an aromatic biguanide.

2,469,746
FILLING DEVICE WITH RECEPTACLE OPERATED OUTLET VALVE
Jose Sanchis, Newark, N. J.
Application May 10, 1945, Serial No. 593,081
2 Claims. (Cl. 226—123)



1. A liquid dispensing device comprising, in combination with a closure member adapted to close a container, a tube extending through said closure member, said tube being formed with an air vent therein, said vent having an upper end portion projecting above said tube, an air vent cap pivotally mounted on said tube and spring urged into sealing engagement with said upper end portion, spiders located at both ends of said tube and firmly connected thereto, a valve seat located within said tube and firmly connected thereto, a rod slidably mounted in said spiders, the upper end of said rod being engageable with said air vent cap to swing same out of engagement with said end portion, the lower end of said rod projecting outward from said tube, a body firmly mounted on said rod, said body comprising a surface constituting a valve surface and adapted to engage said valve seat, and a coil spring mounted on said rod and urging said valve against said valve seat, whereby said rod is adapted upon being moved inwardly to open said valve and said air vent, and is further adapted upon the release of inward pressure to close said valve and permit said cap to seal said air vent.

2,469,747
AMPLITUDE MODULATOR
Eugene R. Shenk, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 9, 1947, Serial No. 759,891
5 Claims. (Cl. 332—38)

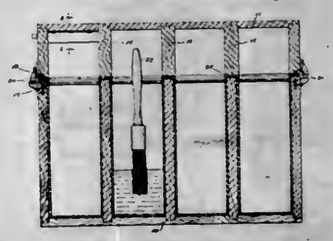


1. In a linear high percentage amplitude modulation system, a carrier amplifier tube, a modulator tube, a direct current potential source for both tubes including a common resistor between said source and both cathodes and a second resistor between the said source and the anode of the first tube, the arrangement being such as to cause potential variations on one cathode to appear on the other cathode, a source of oscillatory energy of carrier wave frequency coupled to the control grid of the first tube, a source of potentials representing signals coupled to the control grid of the second tube, and an output circuit coupled to said second resistor.

2,469,748
ESTERS OF AZELAIC ACID AS PLASTICIZERS FOR RUBBERLIKE POLYMERS
Winthrope C. Smith, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 22, 1945, Serial No. 612,123
7 Claims. (Cl. 260—31.8)

1. A composition of matter containing, a synthetic, solid, plastic, hydrocarbon interpolymer of a major proportion of isobutylene with a minor proportion of a conjugated diolefin having 4 to 8, inclusive, carbon atoms per molecule, the polymer being characterized by a low unsaturation below an iodine number of 50, a molecular weight above 15,000, and reactivity with sulfur to yield an elastic product, together with 5 to 60 weight percent of dibenzyl azelate.

2,469,749
PAINTER'S KIT
Caleb K. Spangler and Kenneth E. Sather, Havre, Mont.
Application April 12, 1948, Serial No. 20,524
7 Claims. (Cl. 206—15.1)

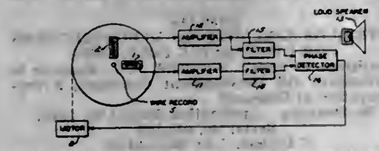


1. A brush kit for use by painters comprising an open topped container having a plurality of partitions therein dividing the space within the container into compartments; a hollow cover for said container having partitions matching the container partitions, vessels removably seated in said compartments and shaped to conform to the compartment walls, brush supports secured on said vessels, said cover having sealing means thereon engaging the top edges of the vessels adjacent to the walls, and means to secure the cover on the container.

2,469,750
MAGNETIC TRANSDUCER ADAPTED TO COMPENSATE FOR TWISTING OF RECORD WIRE
David E. Sunstein, Elkins Park, Pa., assignor to Philco Corporation, a corporation of Pennsylvania
Application July 3, 1945, Serial No. 603,027
20 Claims. (Cl. 179—100.2)

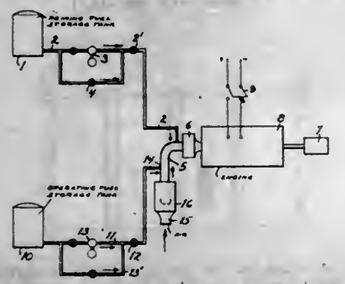
5. In a magnetic wire recording system, a wire of circular cross section and the wire being mag-

netizable in a direction transversely of the longitudinal axis of said wire, a first pick-up coil so positioned with respect to said wire that the currents induced therein by the field set up by said wire are normally at maximum level, a second pick-up coil so positioned with respect to said wire that the voltages induced therein by the field set up by said wire are normally at zero level, means for measuring the phase polarity



difference between the voltages induced in each of said coils, a motor for controlling the position of said first coil with respect to said wire, and means including circuit connections from said last means for driving said motor in a predetermined direction in accordance with the phase polarity difference of the voltages in said coils until the voltages in said second pick-up coil are zero.

2,469,751
COLD STARTING MOTOR FUEL
William J. Sweeney, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 1, 1943, Serial No. 500,754
2 Claims. (Cl. 44—52)

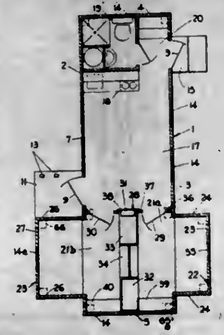


1. A priming fuel for starting gasoline engines at low temperatures comprising a liquid mixture of normally gaseous and low boiling paraffinic hydrocarbons, 10% to 25% having 3 carbon atoms, 15% to 45% having 4 carbon atoms, 30% to 40% having 5 carbon atoms, along with 10% to 25% of heavier gasoline constituents, said fuel exhibiting the following distillation curve:

10% evaporated between −30° and +30° F.
50% evaporated between 50° and 100° F.
90% evaporated between 100° and 170° F.

2,469,752
PORTABLE HOUSING UNIT
Joseph C. Thomas, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application August 4, 1945, Serial No. 606,856
1 Claim. (Cl. 20—2)

In a portable house unit embodying a plurality of closure walls and partitions defining a number of rooms at least two of which are separated by a fixed partition having an opening therein, a walled section inserted in a portion of each of the opposed closure walls defining the first of the aforementioned two rooms, said walled sections being disposed in telescopic relation to the interior of said room and when in retracted position substantially filling the same, and a movable partition mounted in the opening in the fixed partition for slidable movement from a position wholly

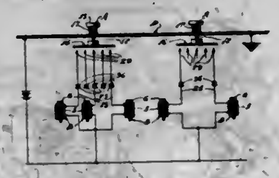


within the first of the two rooms for dividing the space therein defined by the fixed partition, the walled sections in their extended position and the closure walls and portions thereof into at least two separate adjoining rooms to another position wholly within the second of the two rooms enabling the first room to receive the retracted walled sections.

2,469,753
POWDERED SOAP PRODUCT
Joseph M. Tabor, East Islip, N. Y., Howard F. Seibert, Mason, Mich., and Paul R. Frohring, Bainbridge, Md., assignors to General Biochemicals, Inc., Chagrin Falls, Ohio, a corporation of Ohio
Application January 24, 1946, Serial No. 643,122
1 Claim. (Cl. 260—418)

The process of producing a dry powdered soap product directly from a saponifiable fatty material containing an unsaponifiable oil-soluble ingredient, said fatty material being selected from the class consisting of fats and fatty oils, which comprises: mixing said fatty material with an excess of aqueous saponifying agent in a closed saponification zone, agitating the saponification mixture, during the saponification maintaining in the saponification zone a pressure not greater than 355 mm. of mercury by exhausting therefrom gases and vapors evolved during the saponification, whereby the heat of saponification is utilized to boil off water entrapped in soap lumps formed during saponification at a temperature substantially below the normal boiling point of water and the lumps are thus disrupted and comminuted, continuing the agitation and maintenance of vacuum until the saponification mixture is substantially dewatered, extracting the dewatered mixture in the saponification zone with a solvent for the unsaponifiable ingredient which is a non-solvent for soap, decanting the solvent extract from the comminuted extracted soap, and removing residual solvent from the comminuted soap residue by vacuum distillation thereof with agitation in a current of dry steam, whereby a dry powdered soap product is produced.

2,469,754
SETTING MECHANISM FOR CALCULATING MACHINES
John T. Tierney, Union, N. J.
Application December 14, 1943, Serial No. 514,221
3 Claims. (Cl. 171—97)



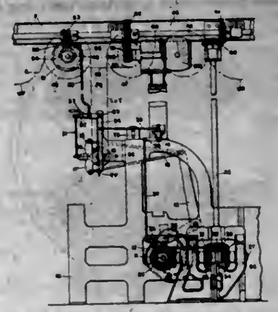
3. The combination with a plurality of electrically operated devices, a switch mechanism including electrical contact members each corresponding to at least one of said electrically operated devices, a series of setting elements, a switch part operable by each setting element for circuit-closing cooperation with at least two of said contact members, each said contact member comprising an electricity conducting rod and said rods being arranged in spaced parallel relation to each other, and each said switch part comprising a conducting bar reciprocable transversely of said rods in spaced relation thereto and having contact lugs each to contact with at least one of said rods.

2,469,755
SYNTHESIS OF HYDROCARBONS FROM CARBON MONOXIDE AND HYDROGEN WITH AN IRON TYPE CATALYST
Alexis Voorhies, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 1, 1948, Serial No. 24,684
13 Claims. (Cl. 260—449.6)

11. An improved process of synthesizing valuable conversion products from CO and H_2 in the presence of iron catalysts which comprises contacting a gas containing CO and H_2 in synthesis proportions at synthesis conditions with an iron type catalyst prepared by incorporating into an iron oxide a promotional amount of an alkali metal promoter, fusing the promoted oxide, shock-chilling the molten mass and reducing the cooled material with a gas rich in hydrogen.

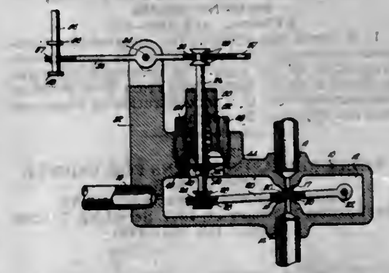
2,469,756
DRIVING MECHANISM FOR AXMINSTER TUBE FRAME SYSTEMS
Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 7, 1948, Serial No. 983
12 Claims. (Cl. 139—7)

1. In an Axminster loom provided with a tube frame conveyor system having two sections movable independently of each other, a pullover shaft effective when turning to move one of said sections, mechanism including a continuously rotating part effecting periodic turning of said pullover shaft, a second shaft rotatable to move the other section of the system, a motor rotating the second shaft, and gearing operatively interconnecting the rotating part of said mechanism and said second shaft preventing the motor from turning the second shaft at a rate of rotation which will exceed a given fixed ratio between



the rates of turning of said rotating part of said mechanism and said second shaft.

2,469,757
PILOT OR MASTER VALVE
Orla E. Watson, Kansas City, Mo.
Application December 4, 1944, Serial No. 566,580
3 Claims. (Cl. 137—144)

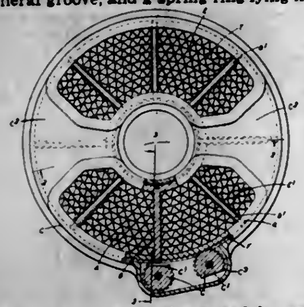


1. A master valve construction comprising a casing forming a fluid pressure chamber provided with inlet and outlet ports, a valve member operable into alternate opening and closing relation to said inlet and outlet ports, and control means for operating said valve member comprising spring-actuated diaphragm means provided with external control connections and exposed to the pressure in said chamber and acting to hold said valve member in position for normally closing said inlet port, said pressure chamber having an independent fluid pressure outlet.

2,469,758
HEAT EXCHANGER
John Forster Alcock, North Lancing, England, assignor to Harry Ralph Ricardo, London, England, a British subject
Application February 7, 1947, Serial No. 727,194
In Great Britain February 14, 1946
2 Claims. (Cl. 257—6)

1. A regenerative heat exchanger of the moving matrix type comprising a toroidal casing of approximately circular cross-section, an annular rotor carrying matrix sections rotatable within the casing and conforming to the cross-section of the casing, a series of discs constituting par-

titions between the matrix sections and spaced apart circumferentially, each said disc having a peripheral groove, and a spring ring lying in each

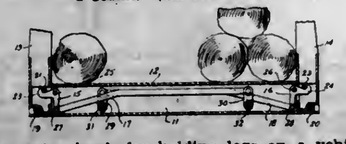


said groove and constituting a seal for preventing circumferential fluid flow between said matrix sections.

2,469,759
COMPOSITIONS FOR INTRAVENOUS TREATMENT OF GENITO-URINARY INFECTIONS AND ESSENTIAL HYPERTENSION
Axentie T. Babienco, San Diego, Calif.
No Drawing. Application July 17, 1944, Serial No. 545,388
2 Claims. (Cl. 106—52)

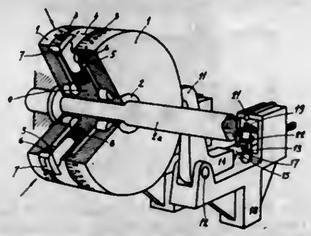
1. A liquid composition for intravenous injections containing ingredients in the approximate proportion of 30 grains of urotropin dissolved in about 5 cc. of water, and from 5 to 10 cc. of hydrochloric acid of a concentration of about one part per thousand by weight.

2,469,760
STAKE RELEASING MEANS FOR VEHICLE LOG BUNKS
William A. Berry, Essex Junction, Vt.
Application February 11, 1947, Serial No. 727,769
1 Claim. (Cl. 280—145)



In a log bunk for holding logs on a vehicle platform, at least two bolsters arranged in spaced relation and mounted on said platform, each of said bolsters embodying a pair of spaced, parallel channel beams supported on said platform, a stake interposed between said pair of beams adjacent the ends thereof and mounted for pivotal movement about a horizontal axis, a horizontally disposed pin carried by said stake, a latch positioned between said beams adjacent said stake and pivotally connected to said beams, there being a hook on one end of said latch for engaging said pin, a stud secured to the other end of said latch, a lever connected to said stud, and manually-operable means connected to said lever for actuating the latter, said last-named means comprising a link having one end pivotally connected to said lever, a horizontally disposed shaft arranged at right angles with respect to said link and having one end secured to the other end of the latter, and an actuating handle secured to the other end of said shaft.

2,469,761
CAM CONTROLLED PULSE TRANSMITTER
Ernest Bodmer, Grand-Lancy-Geneve, Switzerland
Application June 18, 1945, Serial No. 600,115
In Switzerland August 21, 1944
2 Claims. (Cl. 200—33)



1. In a sequence switch, a pair of contacts, contact closing means normally in the open position and adapted to close said contacts, a cam disc have a peripheral cam surface, said contact closing means comprising cam engaging means engageable with said cam surface, a shaft, a hub fixedly carried on said shaft, and freely rotatably carrying said disc, and adjustable engaging means carried by said hub and engageable with said disc for adjustably determining the angular position of said disc on said hub, said adjustable engaging means comprising a bolt carrying a detent and being radially displaceably received within a radial bore of a shoulder of said hub and resilient means for normally urging said bolt radially outward, and said disc comprising an internal toothed rack adapted to lockingly receive said detent in a selected one of its teeth, said cam surface having a first short step dwell and a second step dwell successively more remote from the periphery of said disc, and said contact closing means comprising a contact carrying element and means actuatable by said cam engaging means and adapted to displace said element into contact closing position when said cam engaging means engages the first step dwell of said cam surface, and to release said element from contact closing position into starting position when said cam engaging means engages said second step dwell of said cam surface, the length of said first short step dwell corresponding to the desired length of closing of said contacts.

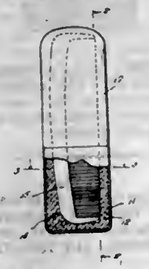
2,469,762
SELECTIVE INFORMATION TAB DEVICE
Wesley W. Cline, Charleston, W. Va.
Application October 12, 1945, Serial No. 621,948
4 Claims. (Cl. 281—15)



4. A selective information tab device comprising a pair of disk washers arranged in superimposed relation and spaced from each other, an upstanding pin passing through said washers and secured thereto, a series of tabs arranged in superimposed relation interposed between said washers, each of said tabs having a circumferential hollow rib, the respective ribs coacting with each other to hold said tabs together in a permanent manner, an end of each of said tabs being mounted for pivotal movement about said pin, the end of each of said tabs being provided with

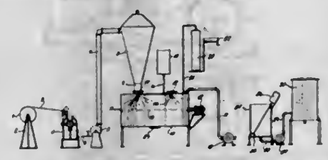
a quadrant-shaped cut-out portion, the cut-out portions of the respective tabs enclosing the pivotal mounting and forming a hollow space, and a cam finger carried by one of said washers and extending upwardly through said space for camming any one of the tabs to a position over all of the tabs upon pivotal movement of said one tab.

2,469,763
HAIR OIL APPLICATOR
Melvin E. Conwell, Camp McCoy, Wis.
Application January 29, 1946, Serial No. 644,052
2 Claims. (Cl. 132—12)



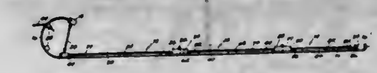
1. A hair oil applicator device comprising two abutting casing members having a common abutment, a cup-shaped cap internally positioned in said casing members with substantially equal portions on each side of said abutment and secured to one of said casing members, the cap having an elongated slot conforming generally with the cross-sectional contour of a comb and adapted to admit one end of a comb into the end of said casing member to which said cap is secured, a mass of oil-absorbent material secured within said casing member to which said cap is secured, said mass being recessed to accommodate said toothed portion in intimate contact therewith, and said other casing member adapted to slidably engage the outside of said cap.

2,469,764
MANUFACTURE OF HYDROXY ALKYL CELLULOSE
Donald Robert Erickson, Kalamazoo, Mich.
Application January 16, 1946, Serial No. 641,653
2 Claims. (Cl. 260—231)



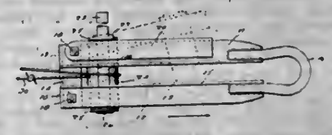
2. In the process of producing hydroxy ethyl cellulose in which cellulose is reacted with sodium hydroxide and the resulting alkali cellulose is reacted with gaseous ethylene oxide, the steps of creating dry flocked cellulose fibers for reaction with the sodium hydroxide by flocking dry cellulose to a particle size which will pass a screen of approximately 50 to 80 mesh, and spraying aqueous sodium hydroxide solution on the dry flocked cellulose fibers in the ratio of about two parts by weight of solution to one part of weight of flocked cellulose fibers, and maintaining the fibers in flocked condition throughout the spraying and reaction to produce flocked alkali cellulose fibers by tossing and mixing the flocked fibers to present new surfaces to the spraying, and thereafter introducing gaseous ethylene oxide into the flocked alkali cellulose fibers, and maintaining the material in a substantial vacuum throughout the process of alkalizing and reacting it with the ethylene oxide.

2,469,765
TOBOGGAN
Edwin B. Fish, Binghamton, N. Y.
Application April 19, 1947, Serial No. 742,659
5 Claims. (Cl. 280—18)



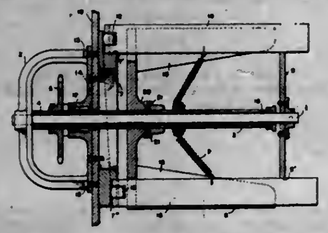
1. A folding toboggan comprising an upwardly curved forward end or nose and a rearwardly extending flat section having a smooth bottom, said rearwardly extending flat section in turn comprising a plurality of separate, longitudinally adjacent sections, and releasable cable means extending longitudinally of the toboggan engaging the longitudinally adjacent sections for rigidly holding said sections in extended position.

2,469,766
WIRE STRETCHER
Ernest G. Geisendorff, Bellville, Tex.
Application June 24, 1947, Serial No. 756,745
3 Claims. (Cl. 24—132)



1. A wire stretcher comprising a frame having a pair of substantially parallel, spaced apart, angle iron legs arranged with upstanding flanges at opposite sides of the intervening space, an angle iron end member secured transversely to said legs at corresponding ends thereof with one side of said end member directed away from said legs, said upstanding sides of said legs decreasing uniformly in width in a direction away from said transverse end member to facilitate the insertion of wire into said stretcher, a pull loop connecting the ends of said legs opposite said transverse end member, a hard wood abutment block secured in the angle of said transverse end member, an arm of angle shaped cross-section pivotally connected at one end to one of said frame legs adjacent said end member and having a longitudinally slotted side extending past said one frame leg to the side thereof opposite the corresponding upstanding sides of said legs, a roller shaft extending through said slotted side of said arm, and a roller on the end of said shaft extending across said frame legs to receive a loop of wire brought over said end member between said legs, and grip said wire between itself and said abutment block, said roller having a flattened side engageable with the adjacent surfaces of said legs to resist rotation of said roller and thereby facilitate gripping of said wire between said roller and said block.

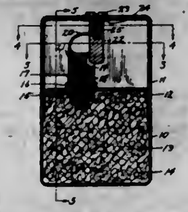
2,469,767
SELF-ADVANCING WINDING REEL
Rudolph Heilbach, Philadelphia, Pa., assignor to the United States of America, as represented by the Secretary of Agriculture
Application April 14, 1947, Serial No. 741,231
2 Claims. (Cl. 28—71.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A cantilever reel supported at one end only, comprising: a panel plate; a supporting stationary shaft fixedly mounted, adjacent one end thereof, by the plate and extending through said plate; a stationary cam disc attached to the shaft adjacent the other end of the latter, said disc providing a first cam surface; stationary means mounted by said panel plate providing a second and a third cam surface, the third cam surface being an annular surface transverse to the axis of the shaft; a rotating driven sleeve mounted about said shaft and extending through said panel; a first set of spaced longitudinally extending bars fixed in position on and mounted upon and rotating with said sleeve, a second set of spaced, longitudinally extending individually movable bars interdigitating with the first set, the latter bars each resting adjacent one end upon the first cam surface and adjacent the other end upon the second cam surface, an end of each bar being adjacent the third cam surface, the said second set of bars being thereby mounted for individual movement longitudinally to the axis of rotation of the first set by the action of the third cam surface and for individual movement radially toward and away from the said axis by the action of the first and second cam surfaces, said bars of the second set having portions which are projected radially at least once during each revolution of the first set of bars, outside the latter, and in which the first set of bars is supported adjacent one end only by a plate secured for rotation with the sleeve, spring means for pressing each of the second set of bars against all three cam surfaces, comprising a spring for each bar of the second set attached at one end to a bar of said set and at the other end to said sleeve.

2,469,768
LIGHTER
Fredrich Heydle, Youngstown, Ohio
Application April 24, 1946, Serial No. 664,591
2 Claims. (Cl. 67—7.1)

1. In a lighter including a body member comprising a fluid chamber, a threaded orifice in said body member communicating with said fluid chamber, a threaded fitting positioned in said threaded orifice, a wick positioned through said threaded fitting, said threaded fitting being removable to provide access to said chamber for refilling the same with lighter fluid, a combination guard and scraper member affixed to said threaded fitting at one side thereof and including flame shields and an upwardly extending portion curving over and crossing the said wick and spaced thereabove, a cap portion for said lighter



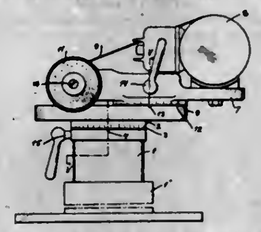
having a depending stone positioned therein for axial engagement with the outermost end of the said curved portion of the combination guard and scraper member when the cap portion is engaged on said body member.

2,469,769
COMBINED COMB AND NAIL FILE
Arthur M. Hillery, Leominster, Mass.
Application February 10, 1948, Serial No. 7,325
2 Claims. (Cl. 132—79)



1. The combination with a comb having a longitudinal slot in the back thereof and a ridge on the comb back adjacent an end of the slot; of a file for housed reception in the slot and a pocket clip on the file, said pocket clip comprising an article receiving raised portion receiving the ridge in fully housed condition of the file and having a depression adapted to clip the combined comb and file to a pocket.

2,469,770
GRINDING MACHINE
Karl Wilhelm Josef Hjelmblad, Alsten, Sweden
Application February 14, 1945, Serial No. 577,739
In Sweden March 4, 1944
3 Claims. (Cl. 51—166)



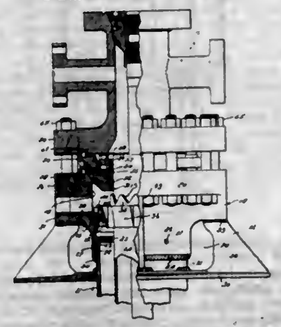
1. In a grinding machine, a vertical standard having an axial bore, an intermediate circular plate supported atop said standard and concentric therewith, a slide on said plate, said slide having an axially extending undercut groove at its lower face and which cooperates with a diametrally extending complementary rib on said plate for guiding said slide longitudinally of the groove axis, a pin having an enlarged head portion seated on the undercut portion of said groove and which extends axially through said plate into the bore in said standard to provide a journal about which said plate and slide may be rotated as a unit, locking means mounted in said standard and engaging said pin for effecting downward axial movement thereof to clamp said slide and plate to said standard in a selected position of displacement and angular position, respectively, a head stock for a grinding tool, means mounting said head stock on said slide for angular adjustment about a vertical axis, and graduated scale and index means carried by said plate and standard and also by said slide and head stock for indicating the respective angular relations therebetween.

2,469,771
FACIAL HYDROTHERAPEUTIC DEVICE
Thelma W. Jeppson, Los Angeles, Calif.
Application August 12, 1946, Serial No. 689,845
5 Claims. (Cl. 128—399)



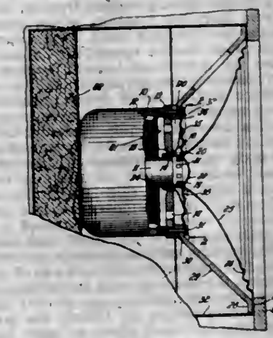
1. A hydrotherapeutic device comprising outer and inner walls sealed at their edges to enclose a chamber, the inner wall having spaced perforated areas, an inlet to the chamber opening intermediate said perforated areas against an imperforate wall portion, and at least one connection extending through the chamber for draining from the inner side of the inner wall.

2,469,772
CASING HEAD
Glenn D. Johnson, Compton, Calif., assignor to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California
Application December 22, 1943, Serial No. 515,223
4 Claims. (Cl. 166—14)



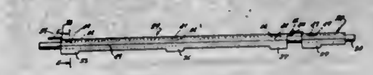
1. A casing head for use with inner and outer casings including, a body to be secured on the outer casing and having an internal seat, a support carried by the seat, and a shoulder located entirely with the body and having a part welded on the inner casing so the shoulder rests on the support, the shoulder and support having coengageable inclined surfaces positioned in cooperative engagement and also having channels formed in them whereby the shoulder and support can be positioned relative to each other so that the shoulder will pass through the support.

2,469,773
LOUD-SPEAKER DIAPHRAGM SUPPORT MEMBER
Hugh S. Knowles, River Forest, Ill., assignor to Jensen Manufacturing Company, a corporation of Nevada
Original application June 4, 1934, Serial No. 728,993. Divided and this application August 12, 1942, Serial No. 454,527
7 Claims. (Cl. 181—31)



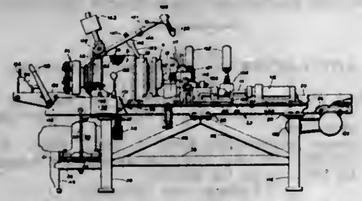
1. A member for holding the diaphragm assembly of a loud speaker in a centered position consisting of a single sheet of material having a substantially central opening to receive a diaphragm assembly and having distributed perforations therein of such size and number as to permit air to pass through them while preventing the passage of dust particles through them.

2,469,774
SECTIONAL SHIELD DEVICE
John Kosinski, New Hyde Park, N. Y.
Application July 24, 1947, Serial No. 763,268
3 Claims. (Cl. 211—119.18)



1. A sectional shield device comprising, a clothesline, a series of shields attachable to said clothesline, each of said shields comprising an elongated member having the cross-section of an inverted U and adapted to slidably engage the clothesline to form a shield, oppositely spaced spring clips in continuation of the lower edges of said shield for detachably clamping said shield upon said clothesline, and coupling means disposed at opposite ends of said shield.

2,469,775
APPARATUS FOR ROLLING FLANGES ON TUBES
Earle F. Lohmann, Overland, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application July 20, 1944, Serial No. 545,838
4 Claims. (Cl. 153—81)

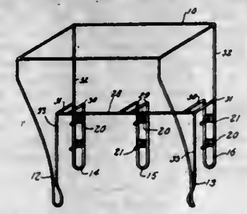


1. Apparatus for flanging a tubular body including a frame having means thereon for supporting said body for rotation, motor means on said frame for rotating said body supporting means, carriage means operatively disposed on said frame for movement toward or away from said body, power means on said frame for moving said carriage, a first set of flange forming rolls operatively mounted on said carriage in position to contact said body and radially expand the same for forming a flange thereon by movement axially into the body upon movement of said carriage toward said body, a second set of flange forming limit rolls, a support for said latter rolls carried on said frame for pivotal movement into and out of a position in which they are disposed in fixed relation with respect to said body and said first set of rolls, heating means pivotally mounted on said frame for movement into and out of a position adjacent the body to heat the latter, means operatively interconnecting said pivotal support and said heating means for timing the pivoting movement thereof such that as said heating means pivots into or out of its said position, said pivotal support will pivot respectively out of or into its said position, and means on said frame connected to said pivotal support for moving the same.

4. Tube flanging apparatus comprising means for supporting and rotating a tube, a carriage movable axially of the tube, a flaring roll mounted on the carriage with its axis inclined to the tube axis, said flaring roll having a substantially conical face which on one side thereof is engageable tangentially along the inner surface of the tube and on the opposite side thereof is inclined relative to the inner surface of the tube for flaring the latter upon axial movement of the carriage, a flange forming roll mounted on the carriage for rotation upon an axis substantially normal to the tube axis, and a backing roll rotatable on an axis substantially normal to the tube axis for cooperating with said flange forming roll to roll the flared portion of the tube therebetween.

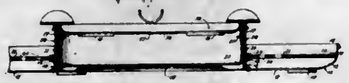
2,469,776
STOVE RACK
George A. McGee, Hartford, Conn.
Application March 14, 1947, Serial No. 734,600
6 Claims. (Cl. 211—90)

3. An attachment for a stove comprising a flexible frame comprising a horizontal open rectangle, front legs depending from said rectangle and adapted to abut the front side of a portion of the stove, rear legs depending from said rectangle and adapted to be positioned behind the said portion of the stove, means on said rear legs for removably engaging the rear of said



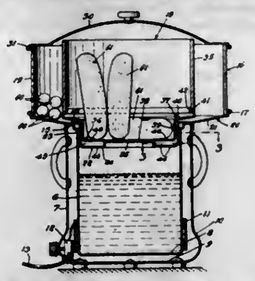
portion of the stove to secure the attachment in place on the stove.

2,469,777
SERVING TRAY
John L. Mohun, Chicago, Ill.
Application September 9, 1946, Serial No. 695,649
5 Claims. (Cl. 65—5)



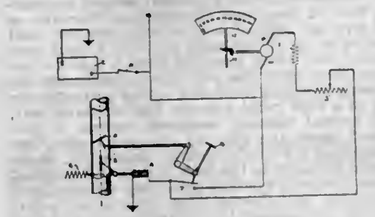
1. A serving tray comprising a tray having a centrally disposed arch, a cylindrical retaining means extending upwardly from the tray around the arch, a receiver in the retaining means resting on said arch, a glass rest around the receiver within the tray, a cover-plate extending over the receiver and downwardly into engagement with said rest, resilient means for spacing the rest from the bottom of the tray, and means for removably securing the cover-plate to the retaining means.

2,469,778
COMBINED FRANKFURTER AND ROLL WARMING AND CONDITIONING APPARATUS
Nazarene G. Morici, Chicago, Ill.
Application February 10, 1949, Serial No. 75,572
7 Claims. (Cl. 126—369)



1. In a combined frankfurter and roll warming and conditioning apparatus, an inner compartment including bottom and upright side walls and an open top, an outer compartment having an upper portion surrounding said inner compartment, said outer compartment also including bottom and upright side walls, and an open top having a removable domed closure therefor, the side walls of the inner and outer compartments being horizontally spaced, the bottom wall of said outer compartment including a centrally disposed depending portion, and said inner compartment having a centrally disposed depending portion fitting telescopically in the upper end of the centrally disposed depending portion of said outer compartment to form a steam chamber beneath said inner compartment, means for supplying steam to said steam chamber, means between the interfitting depending portions of said inner and outer compartments to permit relatively free passage of steam from said steam chamber into the upper part of said outer compartment, the bottom wall of said inner compartment having restricted vents therethrough, permitting passage of a relatively small supply of steam from said steam chamber into said inner compartment, and the upper margin of said inner compartment extending into close proximity to, but spaced from, the lower surface of said domed cover when the latter is in closed position on said outer compartment, to provide restricted communication between said inner and outer compartments at their upper ends.

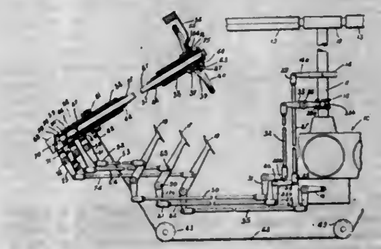
2,469,779
VEHICLE GOVERNOR
Robert F. Nowalk, Philadelphia, Pa.
Application May 23, 1945, Serial No. 597,143
2 Claims. (Cl. 180—82.1)



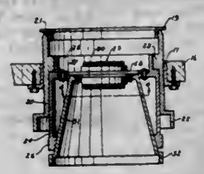
1. In a motor vehicle speed governor, a fuel inlet, an auxiliary throttle valve in said inlet, a spring tending to close said throttle valve, a solenoid connected with said auxiliary throttle valve to open it in opposition to the force of said spring tending to close it, a battery, an accelerator controlled switch, a generator driven by the speedometer shaft of the motor vehicle, a rheostat to select a predetermined speed, said generator being connected at one side to both the battery and the accelerator controlled switch and at its other side to the rheostat, and means to short circuit the generator and impress the full potential of the battery upon said solenoid to effect the opening of the auxiliary throttle valve when it is desired to increase the speed above the maximum speed set by said rheostat, and the release of said short circuiting means causing the speed to be that set by the rheostat.

2,469,780
INSTRUMENT FOR ROTARY WING AIRCRAFT
Joseph S. Pecker, Los Angeles, Calif.
Application January 18, 1946, Serial No. 641,959
2 Claims. (Cl. 170—135.73)

1. In apparatus of the character described, the combination with helicopter rotor and engine control levers of an indicator for each of said levers, means connecting each of said levers to its respective indicator so that movement of any control lever is reflected by corresponding movement of its indicator whereby the pilot can observe momentary values of engine and rotor conditions, and means associated with said indicators for indicating to the pilot the attainment of predetermined optimum values for the rotor and engine operative conditions at which the helicopter is most efficiently maintained in a condition of flight, the means which connects each of said levers to its respective indicator including cooperating cam and lever means, each lever being connected to one of said control levers and each cam being connected to the corresponding indicator.

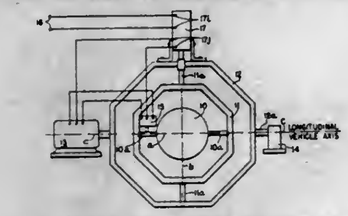


2,469,781
LENS HOLDER FOR PROJECTOR ENLARGERS AND CAMERAS
Jerry M. Peters, Walker, Mo.
Application January 16, 1948, Serial No. 2,731
2 Claims. (Cl. 88—57)



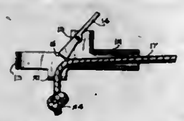
1. In an enlarging camera, support means including a horizontal internally threaded ring member, a sleeve member threadedly engaged in said ring member, means at the top of said sleeve member for attaching the lower portion of the camera thereto, said sleeve member being formed with an internal threaded rib, a barrel member threadedly engaged at its top portion with said rib, the bottom rim of said barrel member being below the bottom rim of the sleeve member, said barrel member being formed with an inwardly extending annular flange, a lens assembly secured to said flange, said lens assembly being of the type having a rotatable diaphragm-operating ring, a downwardly flaring skirt member secured to said ring, the bottom rim of said skirt member extending below the bottom rim of said barrel member, the barrel member rim being formed at its bottom surface with a plurality of spaced recesses, and an upstanding lug carried by the skirt member bottom rim selectively engageable with said recesses.

2,469,782
UNIVERSAL GYROSCOPE-SUSPENSION SYSTEM
Harry W. Fhair, Lyndhurst, N. J., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application November 5, 1945, Serial No. 626,595
6 Claims. (Cl. 74—5.47)



1. A system for universally supporting a gyroscope from a mobile vehicle comprising, a main gimbal ring support for said gyroscope having a first pivotal axis and a second pivotal axis normal thereto, an auxiliary gimbal ring supporting said first ring and having a pivotal axis normally coinciding with said first pivotal axis, power means for rotating said auxiliary gimbal ring about its pivotal axis, means responsive to rotation of said main gimbal ring about said first pivotal axis for controlling said power means to cause said auxiliary gimbal ring to position said main ring to maintain the rotation thereof about said first axis within predetermined limits, and means responsive to rotation of said auxiliary ring about said second pivotal axis through the normal to the plane of said main ring for reversing the sense of action of said controlling means.

2,469,783
CLOTHESLINE CLAMPING DEVICE
Giuseppe Pipia and John Lee, New York, N. Y.
Application May 12, 1947, Serial No. 747,538
2 Claims. (Cl. 24—134)



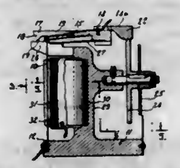
2. A clothesline clamping device for a clothesline having a knot in the end thereof, comprising a one-piece body member having a tubular line guiding portion and a U-shaped end portion continuing from one end of said tubular portion for engagement with a supporting hook, said tubular portion being of a diameter to permit the knotted end of the line to be passed therethrough from the end opposed to said U-shaped end portion to depend from the other end thereof between the sides of said U-shaped end portion, a gripping lever pivotally mounted on the top of said tubular portion and spring pressed in a direction to clamp the line passing through said tubular portion against the inside face of the bottom wall of said tubular portion, and a pair of opposed ears depending from the sides of said U-shaped end portion adjacent the end of said tubular portion, said ears having their free bottom ends directed toward each other and formed with opposed arcuate cutouts forming a circular aperture of a diameter to permit the line to freely slide therethrough but of a diameter smaller than the knot to restrain sliding movement of the line to prevent complete disengagement of the line from said body member in the inoperative pivoted position of said gripping member, said ears having their ends spaced from each other forming slots extending from diametrically opposite sides of said circular aperture through which said line may be forced to free the knotted end of the line from said ears to be passed through said tubular portion and completely disengaged from said body member when desired.

2,469,784
RABBIT OR ANIMAL TOILET
William Quinn, New York, N. Y.
Application July 7, 1944, Serial No. 543,849
2 Claims. (Cl. 119—1)



1. A hygienic rabbit or animal toilet comprising a bottom waste container having a floor and an upstanding circular wall, and an animal housing receptacle having a circular animal concealing wall of the same approximate diameter as the circular wall of said waste container, said receptacle having an open top, said animal concealing wall being provided with a narrow entrance way near one side and progressively increasing in height from each side of said entrance way to a high point opposite said entrance way, said animal housing receptacle having a floor spaced above the floor of the waste container and provided with a discharge opening for waste located adjacent to the high point of said animal concealing wall, whereby an animal will be caused to rest on said floor of said housing receptacle with its head adjacent the entrance way and with its body discharge openings located adjacent the waste discharge opening of said housing receptacle floor, the animal housing receptacle being detachably mounted on the waste container and interlocked against accidental separation.

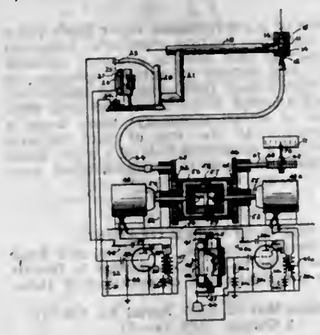
2,469,785
FREQUENCY CONTROLLED TRANSDUCER
Frank Rieber, New York, N. Y., assignor to Interval Instruments, Inc., New York, N. Y., a corporation of New York
Application January 29, 1944, Serial No. 520,196
13 Claims. (Cl. 178—44)



13. A device of the character described comprising a frame, a wire, a supporter upon said frame for one end of said wire, an anvil upon said frame, a lever having a connection for the other end of said wire, and having a knife edge closely adjacent thereto, said lever having an arm extending out beyond said support and

rotary means engaging said arm to vary the tension on said wire, a magnet supported from said frame with its pole faces parallel to and spaced from said wire to exert a magnetic field transverse to said wire, and a linear electrode parallel to said wire and spaced therefrom in a direction transverse to said field, and terminals leading from said electrode and from the ends of said wire.

2,469,786
ELECTRIC MOTOR CONTROL DEVICE
Frank Rieber, New York, N. Y., assignor to Interval Instruments, Inc., New York, N. Y., a corporation of New York
Application May 19, 1944, Serial No. 536,409
7 Claims. (Cl. 318—18)



1. A device for controlling a quantity, comprising a quantity varying means, an oscillating system including a wire under tension connected to determine the frequency of oscillation and means actuated by the quantity to be controlled for varying the tension on said wire, a second oscillating system including a wire under tension connected to determine its frequency of oscillation, and a differential mechanism operable by the difference in frequency between said oscillating systems, connected to control the value of the quantity varying means in a direction to bring said first mentioned oscillating system to the same frequency as the second mentioned oscillating system.

2,469,787
PROCESS OF SOAKING HIDES WITH A SULFONATED PHENOL-FORMALDEHYDE CONDENSATION PRODUCT
Carl Riehs, Ludwigshafen-on-the-Rhine, Germany; vested in the Attorney General of the United States
No Drawing. Application March 13, 1942, Serial No. 434,625. In Germany April 2, 1941
1 Claim. (Cl. 8—94.18)

The process of soaking hides and skins in the nearly neutralized final product resulting from condensing under the addition of concentrated hydrochloric acid while refluxing in the ratio of two gram molecules of phenol to one gram molecule of formaldehyde, then condensing the product vacuum heated as long as free phenol is present, then sulphonating at 100° C. with concentrated sulphuric acid upon phenol in the ratio of one gram molecule of the former to one gram molecule of the latter.

2,469,788
POLYMERIZATION PRODUCTS AND PROCESS OF MAKING SAME
John B. Rust, West Orange, N. J., assignor to Montclair Research Corporation, a corporation of New Jersey
No Drawing. Application June 5, 1944, Serial No. 536,886
8 Claims. (Cl. 260—66)

3. The method of producing polymerization products which comprises polymerizing at a temperature of from 0° to —100° C. in the presence of a Friedel-Crafts catalyst a mixture of substantial amounts of both a polymerizable isoolefin selected from the group consisting of isobutylene, isoamylene, and isohexylene and an unsaturated ketone selected from the group consisting of isopropenyl methyl ketone, alpha-methylene -n-amyl methyl ketone, alpha-methylene isobutyl methyl ketone, ethyl isopropenyl ketone, methyl vinyl ketone, vinyl phenyl ketone, mesityl oxide, pherone, isophorone, benzalacetone, furfurylidine acetone, n-propenyl methyl ketone, the ratio of isoolefin to ketone being from 10:1 to 10:5 by weight.

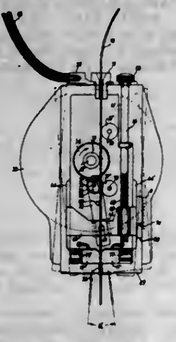
2,469,789
SLIDABLE JAW WRENCH WITH TERMINAL ADJUSTING NUT
Joseph Rusek, New Orleans, La.
Application May 12, 1947, Serial No. 747,521
1 Claim. (Cl. 81—168)



A combination including a wrench and detachable tool faces therefor comprising, a substantially U-shaped head defining upper and lower opposed faces and a back face perpendicularly disposed between the inner ends thereof, an elongated tubular handle depending integrally from the lower face and opening therethrough, a relatively short guide tube secured in said tubular handle adjacent said lower face, an elongated ram disposed within said guide tube and movable inwardly and outwardly of said lower face, a portion of said ram being provided with screw threads thereabout, an elongated tubular nut rotatably carried within said handle and threadedly engaged about said ram, a ball bearing race formed between said nut and said enclosing handle, a knurled handle formed on said tubular nut and disposed beyond the lower extremity of said tubular handle, an elongated channel of T-shaped cross sectional configuration formed longitudinally of the back face of said wrench head, a square channel opening into said T-shaped channel through said back face adjacent the lower face, a substantially square socket formed upwardly into the upper face of said head, there being a ball receiving recess formed in the wall of said socket, a substantially rectangular tool piece provided with a working face along one side thereof, a square stud projecting from the piece opposite said working face, a snap ball lock on the upper end of the said ram,

an elongated tool piece provided with a working surface formed along one side thereof, a T-shaped extension formed on one end of said last named tool piece being inserted through the square channel in the back face of said head and slidably engaged in the T-shaped channel therein, a socket formed in said face of said last named tool piece opposite the working surface thereof and provided internally with a recess complementary with the ram snap lock, a threaded auxiliary handle socket formed downwardly from above the upper face of said wrench head, and a rectangular projection formed longitudinally of the back edge of said head providing a purchase member to be secured in a vise.

2,469,790
AUTOMATIC MACHINE FOR ELECTRIC ARC WELDING
Raoul Jean Schmerber, Uccle, Belgium, assignor to La Soudure Electrique Autogene, Societe Anonyme, Brussels, Belgium
Original application November 18, 1946, Serial No. 710,459. Divided and this application September 28, 1948, Serial No. 51,613. In Belgium November 22, 1945
3 Claims. (Cl. 314—39)



1. In an automatic arc welding machine in which the electrode advances continuously towards the work by means of a motor carried by a head through which the electrode passes and in which said head is carried by a carriage movable above the work to be welded, the combination of a spindle around which said head can swing, said spindle being parallel to the direction of displacement of said carriage, a gear mounted on the same axis as that of said spindle and operated by the motor which moves the electrode, a toothed wheel meshing with said gear and carried by said head, an eccentric pin on said toothed wheel, a pivoting lever connected to said eccentric pin and fulcrumed on a fixed point, a guide collar movable along said lever, a pivot for connecting said guide collar to the head, and means for varying the distance between this pivot and the fulcrum of the lever.

2,469,791
ATTACHMENT FOR WINDSHIELD WIPERS
Victor P. Schneider, Green Bay, Wis.
Application May 17, 1946, Serial No. 670,627
3 Claims. (Cl. 219—19)

1. In combination, a reciprocating windshield wiper blade of the squeegee type; a semi-cylindrical metal housing; semi-circular end blocks of di-electric heat resisting material attached to said housing; a plurality of mounting blocks of di-electric heat resisting material secured in spaced relation intermediate said end blocks; a diametrically aligned notch in each of said mounting blocks having a circular bottom with opposed convergingly projecting curved faces arranged and adapted to rockably engage the



metal frame of a conventional wiper blade when inserted therein; heating elements arranged longitudinally of said housing adjacent opposite inner walls and carried in suitable openings, in said end blocks and said mounting blocks arranged and adapted to be connected to a suitable source of electrical energy; there being a slotted opening at the top of said housing through which a connector unit of a wiper blade will protrude sufficiently to engage a wiper arm.

2,469,792
ENGINE STARTER GEARING
James E. Buxton, Frank T. Christian, and Rene E. Demure, Elmira, N. Y., assignors to Bendix Aviation Corporation, a corporation of Delaware
Application May 27, 1947, Serial No. 750,726
3 Claims. (Cl. 74—7)

1. In an engine starter drive, a power shaft, a pinion slidably journalled thereon for movement into and out of mesh with a gear of an engine to be started, a screw shaft, means connecting the screw shaft to rotate with the motor shaft, a control nut threaded on the screw shaft, a barrel member connecting the control nut and pinion, a hollow cylindrical inertia member, and means for connecting the inertia member to rotate with the barrel member while maintaining the inertia member eccentric thereto.

2,469,793
FIGURE-FREE MATERNITY SUSPENDER
Sally Ann Siegel, Chicago, Ill.
Application March 26, 1948, Serial No. 17,147
3 Claims. (Cl. 2—43)

1. A maternity supporter comprising an inelastic textile portion shaped to fit the buttocks and partially extending upwardly to support the back to give maximum comfort to the lumbar and sacro-iliac regions, continuous elastic webbing secured to and extending from the upper edge of the buttocks portion, over the shoulders and downwardly over the front of the wearer and

terminating in garter portions, a narrow abdominal strap secured to and extending laterally



from opposed upper edges of said buttocks portion, the latter having side garter members.

2,469,794
BRAKE PRESSURE REGULATOR
George A. Sloan, Milwaukee, Wis.
Application July 27, 1945, Serial No. 607,354
12 Claims. (Cl. 138—31)



1. A pressure regulator for hydraulic brake systems, comprising, a body having a bore, a cylinder having a hollow plunger slidably cooperable with said body bore and also having a bore and a passage connecting said cylinder bore with the interior of said plunger, a piston slidably cooperable with said cylinder bore, a valve for controlling the opening and closing of said passage, and a pair of springs coacting with said cylinder and piston respectively for constantly urging said plunger and said piston in the same direction.

12. A pressure regulator for hydraulic brake systems, comprising, a body having a bore in open communication with the hydraulic brake system, a cylinder having a plunger slidable along said bore and a relief passage in said plunger, an adjustable cup coacting with said body, a spring interposed between said cup and said cylinder, a piston slidable in said cylinder, a valve carried by said plunger and normally closing said passage, and means for opening said valve when said piston has travelled a predetermined distance to permit escape of liquid from the system to the interior of said cylinder.

2,469,795
POLARIZING FILTER ATTACHMENT FOR CAMERAS
Byron P. Sproul, Royal Oak, Mich.
Application January 14, 1947, Serial No. 721,687
1 Claim. (Cl. 88—65)



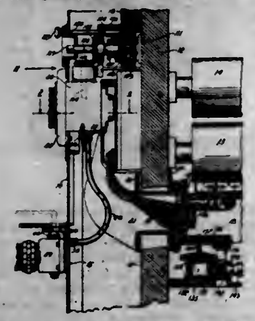
A polarizing filter attachment for cameras, comprising an annular Z-shaped frame including inner and outer circumferential flanges and an annular radial flange connecting the circumferential flanges, the outer surface of the outer circumferential flange being provided with a graduated scale thereon, a circular polarizing filter fixedly mounted within the outer circumferential flange adjacent said radial flange and in abutting engagement with the latter, an annular transparent ring fixedly mounted upon the outer surface of said inner circumferential flange adjacent said radial flange and in abutting engagement with the latter, said transparent ring being provided with an enclosed annular passage filled with a liquid having a bubble therein for coacting with said graduated scale to indicate the degree of polarity of said filter, said outer circumferential flange being provided with a circumferential recess in its inner surface thereof, an adapter for mounting said frame adjacent the lens of a camera, and means on said adapter in engagement with said recess for rotatably supporting said frame on said adapter, whereby rotation of said frame relative to said adapter until the bubble of said transparent ring coincides with the proper mark on the graduated scale causes a predetermined polarity of said filter to be obtained.

2,469,796
INKING MECHANISM FOR PRINTING MACHINES
Anton Stobb, Westfield, and Alexander J. Albrecht, West New York, N. J., assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application January 16, 1945, Serial No. 573,038
17 Claims. (Cl. 101—350)

4. In an inking mechanism for a printing machine having an ink distributing cylinder, an ink rail extending along the ink distributing cylinder and having a cylinder engaging member adjustable tangentially in respect to the said cylinder, an ink pump in connection with the cylinder engaging member to supply ink thereto for application onto the cylinder, a bracket secured to the ink rail and the pump, means adapted to be operated from one side of the cylinder to adjust the cylinder engaging members transversely of the cylinder axis, a fluid receiving cylinder at each end of the ink rail, a piston in each cylinder adapted to be acted upon by fluid pressure, and a leaf spring connecting each piston with the rail whereby the rail and the pump will be raised in unison when fluid under pressure is directed into

the cylinder and the cylinder engaging member will be resiliently pressed against the ink distributing cylinder, a rack at each end of the rail and a shaft extending between the racks and having gear teeth in mesh with teeth on the racks, to equalize the movement of each end of the rail.

6. In an inking mechanism for a printing machine, an ink pump having a plurality of groups



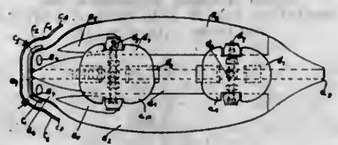
of pistons therein, a cylinder operatively associated with each piston, each cylinder having an inlet and an outlet port, an ink color selector having outlet ports in connection with the inlet ports of the cylinders of each group and a plurality of separate inlet ports each connected to a different source of ink, an additional inlet port in the ink color selector for connection with a source of cleaning fluid and means in the ink color selector to direct ink from any of the said sources, or cleaning fluid to any of the ink outlet ports thereof.

2,469,797
KNIFE SHARPENER
Willis F. Thompson, Portland, Maine, assignor to The Alden Speare's Sons Co., a corporation of Massachusetts
Application May 2, 1947, Serial No. 745,610
6 Claims. (Cl. 51—210)



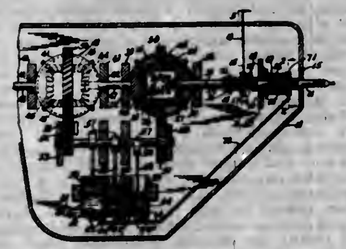
1. A knife sharpener comprising a set of rollers one having a frusto-conical guide surface, an abrasive element rotated by the free rolling of the rollers back and forth over a supporting surface when actuated by the blade of the knife as it is reciprocated during its sharpening, said one of the rollers being so spaced from said abrasive element that its frusto-conical guide surface will have such angularity to the adjacent side surface of the abrasive element that the blade bearing against said surface of the abrasive element will occupy such determinate inclined position that one or the other of the bevelled surfaces of the blade leading to its cutting edge will engage the side surface of the abrasive element, a hub to said one of the rollers presenting an inclined peripheral surface adjacent to the frusto-conical guide surface and against which hub surface the blade when positioned as aforesaid has bearing and by which the engagement of the one bevelled surface of the blade with the abrasive element as aforesaid will be maintaind, the angle to the abrasive element at which the blade is supported by its bearing against the side of the roller being so co-ordinated with the inclined surface of the hub with respect to the abrasive surface that the angle of the hub at the point where the blade has bearing against the hub surface is greater than the angle of the supported blade with respect to the abrasive surface to prevent wedging and not greater than twice that of the supported blade to prevent the cutting edge of the blade contacting with the hub, and means for connecting said rollers, hub and abrasive element to rotate in unison.

2,469,798
ICE AND SNOW SKATE
Gottlieb Trächslin, Basel, Switzerland
Application November 26, 1944, Serial No. 565,531
In Switzerland December 3, 1943
5 Claims. (Cl. 280—11.13)



1. In a snow and ice skate having supporting surfaces on each side of a runner, an ice and snow gripping device in the form of a downwardly projecting member secured to the supporting surface at the front part of and across the skate, said gripping device having a substantially straight central portion merging into adjacent, inwardly bent side portions which end into extremities directed towards the rear of the skate.

2,469,799
AUTOMATIC TRANSMISSION FOR MOTOR VEHICLES
Charles Valle, Caracas, Venezuela
Application September 29, 1948, Serial No. 51,697
8 Claims. (Cl. 74—778)



1. A transmission, comprising a main casing for a lubricating fluid, a drive shaft rotatively

mounted through one end of said main casing, a stud shaft rotatively mounted within said main casing and having its front end in axial end alignment with said drive shaft, a shift collar slidably and non-rotatively mounted on the rear end of said stud shaft, a first differential unit having a unitary casing axially rotatively mounted within said main casing and axially aligned with said shift collar and including a pair of opposed front and rear gears rotatively mounted coaxially in said unitary casing and meshing with a pair of opposed side gears rotatively mounted on said unitary casing, a shift shaft fixedly connected coaxially with said shift collar and extending coaxially into the front end of said differential unit and having its rear end provided with coupling means for connecting with said front gear in a front position of said shift shaft and with said rear gear in a rear position of said shift shaft and being free from gear contact in a midway position of said shift shaft, a second differential unit having a second unitary casing axially rotatively mounted within said main casing and axially aligned with said first differential unit and including a pair of opposed front and rear gears rotatively mounted coaxially in said second unitary casing and meshing with a pair of opposed side gears rotatively mounted on said second unitary casing, a connecting shaft connecting the rear gear of said first differential unit with the front gear of said second differential unit, a driven shaft connected with the rear gear of said second differential unit, ring gears mounted upon the unitary casings of said differential units, a gear train connecting said ring gears for the ring gears to rotate in opposite directions, means for placing various loads upon said gear train for holding the unitary casings of said differential units to various degrees for controlling their speeds of rotation, and means for controlling said means for placing various loads or for freeing the unitary casings of said differentials during normal transmission of loads and gradually holding said unitary casings to graduated degrees during increased loads on said transmission.

2,469,800
ELECTRIC HEATER
Oliver G. Vogel, Oak Park, Ill., assignor to Hotpoint Inc., a corporation of New York
Application November 27, 1945, Serial No. 631,126
5 Claims. (Cl. 201—67)



1. An electric heating unit comprising a sheathed heating element provided with a metallic sheath having a high nickel content and a resistance conductor housed in said sheath, a coating of chromium covering said sheath, and a metallic mass having a high copper content cast into intimate contact with said coating and embedding said sheath, said coating preventing interfacial porosity in the adjacent contacting surfaces of said mass.

2,469,801
ELECTRIC HEATER
Oliver G. Vogel, Oak Park, and Louis Ziffrin, Westchester, Ill., assignors to Hotpoint Inc., a corporation of New York
Application December 3, 1945, Serial No. 632,432
6 Claims. (Cl. 201—67)



1. An electric heater of the sheathed type for application to a metallic element by brazing it thereto by a brazing substance comprising, a resistance conductor, a metallic sheath housing said conductor formed of a nickel-chromium-iron alloy having a major nickel component, a coating of chromium superimposed upon and bonded to the outer surface of said sheath and having a thickness sufficient to prevent intergranular penetration of the brazing substance in the liquid phase with respect to said sheath, and a coating of copper superimposed upon and bonded to said coating of chromium in order to accommodate ready bonding with the brazing substance.

2,469,802
COMBINED BOAT AND FILTER
Sweeney Voinovich, Bridgeville, Pa.
Application April 25, 1945, Serial No. 590,178
1 Claim. (Cl. 210—122)

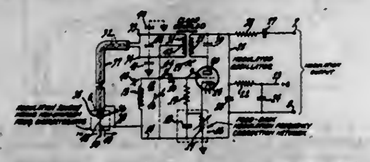


A combined boat and filter for the determination of carbon, including an elongated narrow container having downwardly converging side walls merging into a flat bottom, thereby to be insertable directly into a combustion tube relatively small in diameter, said container being formed with a central outlet in its bottom, a perforated filter-supporting metal screen within the container, supported at all its edges by the side walls of the container and spaced substantially above the bottom of the container, the screen, when covered by a filter material, defining in cooperation with the bottom a vacuum chamber opening through the central opening, and a drain tube supporting the container, the wall of the central opening and the upper end of the drain tube being adapted for removable seating of the container upon the drain tube, the drain tube, when positioned in a supporting structure, constituting the sole support for the container.

2,469,803
COMPENSATED, CONTROLLED-FEEDBACK, AMPLITUDE MODULATED OSCILLATOR
Paul Weathers, Haddon Heights, N. J., assignor to Herbert K. Neuber, Philadelphia, Pa.
Application August 22, 1947, Serial No. 770,969
1 Claim. (Cl. 332—38)

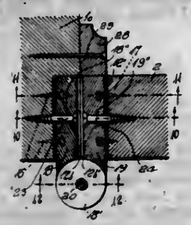
In a self-excited electronic-tube oscillator system, the combination of means for tuning said

system to a predetermined constant frequency of oscillation, modulator means for differentially varying feed-back of energy at the oscillator frequency to modulate said system in a predetermined modulation frequency range, means for applying thereto a controlled negative modulation frequency feed-back for limiting the effect of variation of said oscillator frequency feed-back to control the percentage modulation in a predetermined portion of said modulation frequency



range, said last named means including an oscillator cathode circuit and an impedance network in said circuit, amplifier means for the modulated signal output of said system having an output impedance, and a negative modulation frequency feed-back connection from said last named impedance to said network for further controlling the percentage modulation of said system in a predetermined portion of said modulation frequency range.

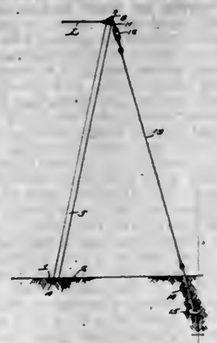
2,469,804
HINGE
Richard Eshleman Weaver, Ronks, Pa.
Application January 30, 1947, Serial No. 725,221
8 Claims. (Cl. 16—149)



1. In a hinge structure, a rail-like semi-cylindrical guiding liner disposed in each of two adjacent semi-cylindrical recesses with rail-like members thereon abutting face to face in diametrically opposite positions and a hinge comprising a pair of semi-cylindrical parts hingedly connected together and operative to slidably enter said rail-like guiding liners with the semi-cylindrical parts of said hinge abutting against the rail-like members of said semi-cylindrical liners.

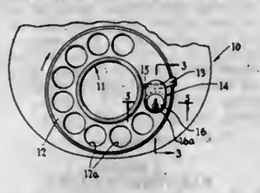
2,469,805
CLOTHESLINE POST
Watkins Walter Wilkinson and Carl K. Smith, Corpus Christi, Tex.
Application October 10, 1945, Serial No. 621,536
3 Claims. (Cl. 189—31.5)

1. A clothesline post including a base, said base comprising a flat relatively elongated post-supporting portion and a ground-engaging lip depending from one edge thereof, the post-supporting portion being formed with spaced openings, fixedly connected pipes upstanding from the base, tongues on the lower ends of the pipes movably engaged in said openings, a cross-head bearing on the pipes, stems integral with



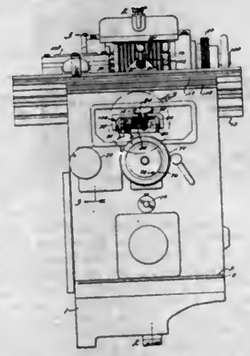
the cross-head snugly seated in the pipes, said cross-head constituting means for engagement by a clothesline, an anchoring stake having a screw blade, and guys detachably connected to the cross-head and converging to the anchoring means, each of said guys including an adjusting element.

2,469,806
DIAL TELEPHONE LOCK
Bernard Zion, New York, N. Y.
Application June 7, 1947, Serial No. 753,279
8 Claims. (Cl. 179—189)



1. A locking mechanism for a telephone dial having a manually operated rotary mounted dial disc formed with circular spaced openings and a relatively stationary stop member normally located adjacent to and over the path of movement of one of said disc openings comprising a casing having a leading end, a ledge integrally formed to project from said leading end to provide a passage formed with a wall of said ledge at said leading end for confining said stop member in said passage when said mechanism is seated in an effective locking position on said member, a barrel movably mounted in said casing in spaced alignment with relation to said ledge, a swing arm having a free end extending to be positioned in and out of alignment with respect to the ledge and mounted to turn with an end of said barrel beyond said leading casing end, said arm when in alignment with respect to the ledge being in said effective locking position spaced from said ledge to provide a clearance slightly greater than the thickness of the dial disc with the dial disc releasably secured to the stop member against movement from the passage, said arm when out of alignment insertable into the dial disc opening, and a key locking means in the casing for turning the barrel with said arm in and out of said aligning position.

2,469,807
GEAR GRINDING MACHINE
Marvin R. Anderson, Grosse Pointe Park, Mich., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Delaware
Application May 16, 1946, Serial No. 670,254
20 Claims. (Cl. 51—71)



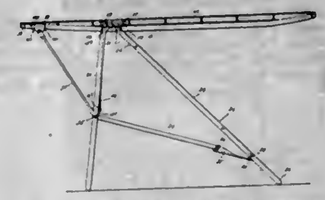
1. In a gear grinding machine, a base, a grinding head mounted thereon, said head including a rotatable, formed grinding wheel of substantial axial length and driving means therefor; a carriage slidably mounted on said base, driving means to effect reciprocation of said carriage in a direction perpendicular to the axis of rotation of the grinding wheel, said carriage slidably supporting a second carriage, said second carriage reciprocating with said first named carriage and independently thereof in a direction parallel to the axis of rotation of the grinding wheel, means to effect said independent reciprocation of said second carriage, a spindle mounted on said second carriage, said spindle adapted to rotatably support a gear, and means operatively associated with said spindle to effect rotation of the gear during independent reciprocation of the second carriage, the combined reciprocation and rotation effecting the gear to roll as the same engages the grinding wheel while the reciprocation of the first carriage effects the entire flank width of each gear to contact the grinding wheel.

2,469,808
INDUCTION MOTOR ROTOR
Leonard E. Aske, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application September 28, 1946, Serial No. 700,141
14 Claims. (Cl. 172—120)



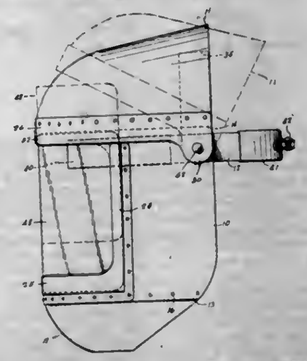
1. A rotor for induction motors comprising a flat annular ring formed of a tight spirally wound band of electrical steel ribbon enclosed inside, outside and on one face by an annular metal cup having flanges tightly enclosing inner and outer surfaces of the annular ring, the open face of the ring having a series of radial slots formed therein, and a non-magnetic electrical spider having a hub, rim and spokes connecting the hub and rim, the spokes tightly fitting within the radial slots.

2,469,809
IRONING BOARD
Earl C. Booth and Frank Jones, Columbus, Ind., assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application April 4, 1945, Serial No. 586,466
2 Claims. (Cl. 38—117)



1. In an ironing board, a top, a member supported from said top for sliding movement longitudinally thereof, a front leg and rear legs pivotally connected to said top on parallel axes and swingable between positions against said top and extended positions in which they are adapted to act as a support for said top, links connecting said slidable member with said rear legs, a latch pivotally mounted on said top in position to engage said slidable member and retain it in the position it occupies when the rear legs are extended and means acting between the front legs and the rear legs for limiting their separation, said latch having a hooked end and a finger spaced apart to receive said slidable member between them, the latch being so constructed and arranged that one end of said slidable member will engage said finger as the legs reach extended positions and will rotate said latch to cause the hooked end thereof to engage the other end of the sliding member.

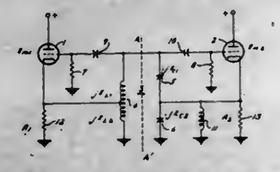
2,469,810
PROTECTING HELMET
Charles Evans Bowers, Moylan, Pa., assignor to Fibre Metal Products Company, Chester, Pa., a partnership
Application November 8, 1945, Serial No. 627,341
5 Claims. (Cl. 2—8)



1. A protecting helmet, comprising a face enclosing shield with a relatively large opening in the front thereof, a cover hinged to said shield, headgear upon which said shield and cover are

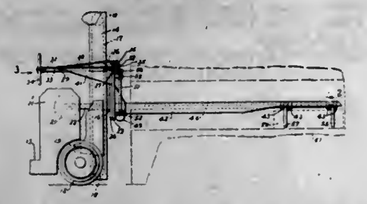
pivotally mounted, and a removable window normally closing the opening in the front of the shield, the upper edge of said window being held by the cover.

2,469,811
OSCILLATOR CIRCUITS
William E. Bradley, Springfield Township, Montgomery County, and Joseph C. Tellier, Penn Wynne, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 17, 1946, Serial No. 697,434
12 Claims. (Cl. 250—36)



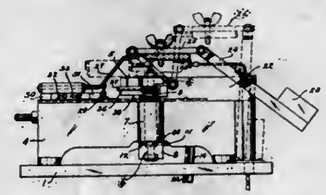
1. In a vacuum tube oscillator, a pair of vacuum tubes having at least triode elements, a tank circuit comprising a pair of conjugate reactive branches, a portion of each of said branches being connected in the cathode circuit of one of said tubes and cooperating with said tube to form a separate oscillator adapted to oscillate independently when said other tube is cut off, and means included in the cathode circuit of one of said tubes and operative when said tube is conductive to modify the frequency of oscillation of the oscillator circuit which includes said one tube.

2,469,812
ATTACHMENT FOR INDUSTRIAL TRUCKS
Jack Breslav, New Haven, Conn.
Application December 22, 1945, Serial No. 636,629
7 Claims. (Cl. 214—66)



1. An attachment for an industrial truck having an operator's position and a movable truck part operable by the operator and adapted to be raised and lowered, said attachment comprising, as a unit, the combination of a base plate adapted to be detachably secured to said movable truck part, an elongated supporting member secured to and extending forwardly from said base plate, article gripping means carried by said supporting member adjacent its remote end, a second supporting member extending rearwardly from said base plate to one side of said movable truck part, mechanism to actuate said gripping means to grip and to release an article, said mechanism mounted on said base plate and including a shaft extending rearwardly from said face plate, and means on the remote end of said shaft and located adjacent the operator's position to actuate said mechanism.

2,469,813
FOLDING MACHINE
Elmer D. Coston, St. Louis, Mo., assignor to Manufacturers Supplies Company, St. Louis, Mo., a corporation of Missouri
Application December 18, 1946, Serial No. 716,927
5 Claims. (Cl. 12—55)



1. In a folding machine, a work support, a pressure member having a lip shaped according to the contour of the fold to be made and having a gauge adjacent said lip for positioning the work piece to be folded with relation to said lip, means for moving said pressure member between a position whereat said lip is substantially aligned with and a position whereat said lip is elevated above said work support, a forming member having an edge shaped according to said lip and arranged to engage the work piece exteriorly of but adjacent to said lip, and means for translating said work support and forming member together with the work piece beneath and beyond said lip while the pressure member is in elevated position.

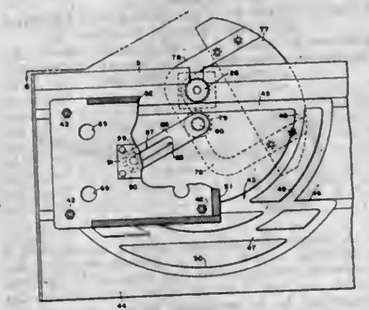
2,469,814
FUMIGATING APPARATUS
Kenneth Donald Crooks, Chicago, Ill.
Application November 20, 1946, Serial No. 711,133
5 Claims. (Cl. 21—108)



1. Fumigating apparatus comprising a tubular conduit constructed from a strip of flexible, substantially fluid-impervious material, the longitudinal edges of said strip being lapped and secured together by a row of narrow stitches extending longitudinally of said strip, said stitches providing a multiplicity of spaced minute orifices for escape of fumigating fluid at a multiplicity of spaced points along said conduit and from both sides thereof, said conduit being closed at at least one of its ends and having a coupling connection for supply of fumigating fluid under pressure.

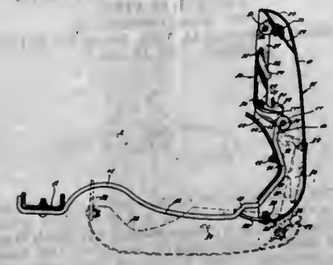
2,469,815
BOX WELDING MACHINE
Robert S. Cutright, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application September 13, 1946, Serial No. 696,919
3 Claims. (Cl. 113—59)

1. Welding apparatus and the like for producing a continuous contour weld about a work piece of non-circular periphery which embodies a plurality of cooperating parts, said apparatus comprising a frame; a stationary member mounted on the frame including a groove; a carriage; means on the carriage for releasably securing thereon the assembled work piece; a welding torch supported by the frame; means freely rotatably mounted on the carriage for registration with the groove in the stationary member; and drive means actuating the carriage, said drive



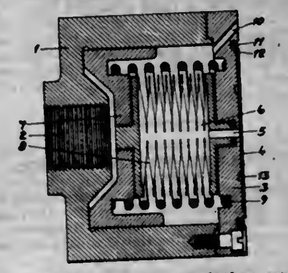
means cooperating with the rotatably mounted means and the groove in the stationary member for supporting and moving the carriage and the work piece mounted thereon along a predetermined path defined by the groove past the welding torch at a uniform distance and at a uniform speed.

2,469,816
BUMPER GUARD
Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application January 15, 1945, Serial No. 572,781
9 Claims. (Cl. 293—64)



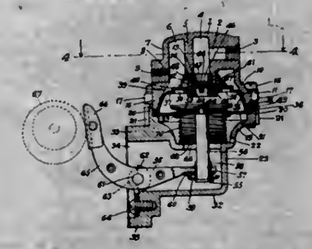
1. A bumper guard structure comprising a bracket attachable against the outer side of a bumper bar to extend transversely thereof, a guard body, a link pivoted at its upper end to the upper end of said body and having hinged connection at its lower end with said bracket for bodily swing of said body away from the bumper bar and downwardly into horizontal position, a latch connection between said link and said body for holding said body in vertical service position, said bracket at its lower end having a substantially horizontally disposed extension, a guide element on the lower end of said body receiving said extension to travel inwardly therealong for guiding said body into horizontal position below and inwardly of said bumper bar.

2,469,817
SUCTION CHUCK
Erik Otto Eriksson, Hornsjofors, Sweden
Application September 29, 1945, Serial No. 619,343
In Sweden September 22, 1944
1 Claim. (Cl. 279—3)



In a pneumatic chuck for lathes and other machine tools, the combination of a head, a portion of its outer surface formed to being able to contact or near contact the work to be fixed to the chuck, said surface being surrounded by a packing for tightening against said work, a cylindrical chamber within the chuck, a piston in said chamber, a combined inlet and outlet for fluid at one side of the piston, a suction bellows and a compression spring located between one end of the chamber and the last mentioned piston side, said spring tending to move the piston from the last mentioned end of the chamber and to stretch the bellows, said bellows having a port which ends in the surface above mentioned, an air compressor, the first mentioned combined inlet and outlet being located in the rotation centre of the head in order to facilitate the maintenance of the connection between the chamber and the air compressor during the rotation of the chuck.

2,469,818
DIAPHRAGM PUMP
Charles A. Erickson, Dearborn, Mich., assignor, by mesne assignments, to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application October 28, 1946, Serial No. 706,113
1 Claim. (Cl. 103—150)

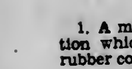


In combination in a liquid pump, a pair of housing members and means for securing them releasably together, one of said housing members shaped to fit within the other, inlet and outlet passages formed in one of said housing members, and an annular integral pressure dome formed within said housing member and positioned concentrically with a portion of said inlet passage, a unitary member including a central inlet, and a

plurality of outlet valve seats positioned about said inlet, said unitary member provided with a portion adapted to be gripped and held between said housing members, a ring-like valve member positioned adjacent to and adapted to be seated upon said outlet valve seats, said outlet valve member shaped of rigid material, and a spring biased to hold it seated, said outlet valve member being guided by a portion of the housing member within which said inlet passage is formed, and an inlet valve positioned to be seated to close said inlet, and a spring biased normally to hold said inlet valve closed.

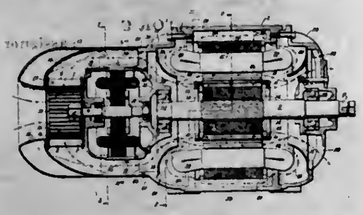
2,469,819
VULCANIZATION OF RUBBER COMPOSITIONS
Paul J. Flory, Kent, and Norman Rabjohn, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application January 16, 1948, Serial No. 641,652
5 Claims. (Cl. 260—768)

1. A method of vulcanizing a rubber composition which comprises reacting an unvulcanized rubber containing residual olefinic groupings with a compound having the structural formula



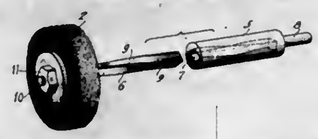
in which R' is a monovalent radical of the group consisting of hydrocarbon radicals, oxahydrocarbon radicals, thiahydrocarbon radicals, and the corresponding halo- and nitro-substituted radicals, R is a multivalent radical of the group consisting of hydrocarbon radicals, oxahydrocarbon radicals, thiahydrocarbon radicals, and the corresponding nitro- and halo-substituted radicals, the oxygen atoms being connected to a carbon atom in R and R', and x is a small whole number between 2 and 5 inclusive.

2,469,820
DYNAMOELECTRIC MACHINE
Harry B. Fuge, Somerville, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application June 1, 1945, Serial No. 597,116
4 Claims. (Cl. 172—36)



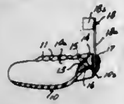
1. A dynamoelectric machine of the low-inertia type comprising a main motor having a casing housing a stator core and a rotor core, an auxiliary motor, a fan driven by said auxiliary motor, a member secured to the main motor, enclosing said auxiliary motor and providing an entrance orifice and a chamber for said fan, means including said fan chamber for guiding air from said fan into one end of said main motor casing, a bearing hub secured to said main motor casing, and a baffle ring which, together with said bearing hub, form an annular nozzle disposed within said casing for collecting said entering air at one velocity and discharging it at higher velocity within a confined annular zone against an end of each of said stator and rotor cores.

2,469,821
TOOLHOLDER AND ADAPTER CHUCK FOR MOTOR-DRIVEN TOOLS
Edward Russell Galbraith, East Orange, N. J.
Application March 22, 1947, Serial No. 736,607
2 Claims. (Cl. 279—99)



1. A tool holder-adapter chuck comprising a tool-holding shank and a socket member for cooperation therewith having a co-axial opening through one end and its other end formed for attachment to a rotatable chuck, said shank being of regular polygonal cross-section with its angles constituting portions of co-axial longitudinal helices of long pitch, and said socket having angles corresponding in shape to the angles of said shank and constituting guides therefor, whereby said shank is freely longitudinally slidably receivable into and removable from said socket while said socket member is stationary, and said angles of the shaft interlock with said angles of the socket to prevent separation of said shank from said socket member during rotation of the latter by a power-rotated chuck.

2,469,822
PROCESS FOR BONDING TEETH TO DENTAL PLATES
Walter Giese, Chicago, Ill.
Application August 31, 1946, Serial No. 694,341
3 Claims. (Cl. 18—55.1)



1. The method of securing a tooth in fixed position in the tooth space of a dental plate which comprises cutting a recess behind the tooth space in the plate, positioning a tooth in the tooth space, pressing a dab of wax in the recess and against the lingual face of the tooth to temporarily hold the tooth in position in the plate, covering the buccal face of the tooth and the adjoining buccal surface of the gingival portion of the plate with plastic plaster of Paris, inserting a heat-conducting fitting into the plaster in closely spaced relation to the tooth and plate, allowing the plaster to set, melting out the wax, pressing thermosetting plastic bonding material into the recess against the lingual face of the tooth, molding the bonding material to build up the recessed portion into conformity with the lingual gingival plate portion, covering the molded bonding material with plaster of Paris, allowing the plaster of Paris to set, and heating the heat-conducting fitting for setting the bonding material.

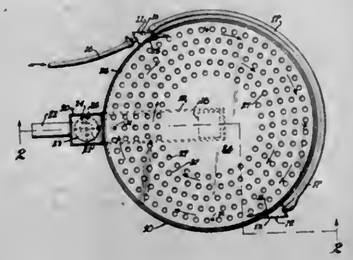
2,469,823
ALKYLATION OF THIOPHENE
Rowland C. Hansford, Woodbury, and Philip D. Caesar, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application November 29, 1944, Serial No. 565,788
8 Claims. (Cl. 260—329)

1. The process for obtaining alkyl thiophenes which comprises contacting one of the group thiophene and thiophene derivatives having at least one hydrogen atom of the thiophene nucleus replaceable, with an alkylating agent in the presence of boron trifluoride as the essential alkylating catalyst, the molal ratio of said alkylating agent to said thiophene and thiophene derivatives being greater than 0.25, the reaction temperature being at least about 20° C. and the reaction time being at least 1.5 hours at 25° C., said reaction temperature and time being interdependent and varying with the activity of the alkylating agent and the higher the reaction temperature the shorter the reaction time for any alkylating agent.

2,469,824
METHYLOL DITHIONAPHTHOATES
Albert F. Hardman, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application October 30, 1943, Serial No. 508,404
2 Claims. (Cl. 260—455)

1. A methylol dithionaphthoate.

2,469,825
AUTOMATIC PRINT WASHER
Samuel Hornstein, Chicago, Ill.
Application December 26, 1945, Serial No. 637,214
3 Claims. (Cl. 95—97)



1. Washing apparatus comprising a cylindrical tank, a hollow lug enclosing a wedge-shaped compartment on the periphery of the tank with its outer and inner sides meeting in an apex adjacent to the cylindrical wall of the tank, a water supply conduit opening into said chamber of the lug through the base of the wedge, a port leading from said chamber into the interior of the tank at the inner side of the wedge, and a deflector within the tank at said port disposed approximately parallel to said outer side of the lug.

2,469,826
INTERNALLY EXPANDING BRAKE FOR VEHICLES
John Samuel Irving, Birmingham, England
Application August 24, 1944, Serial No. 550,921
In Great Britain June 12, 1943
9 Claims. (Cl. 188—78)

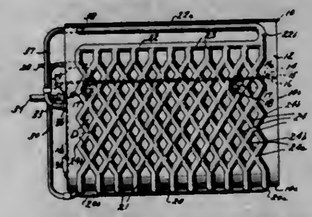


1. Shoe separating means for a brake of the type set forth comprising opposed staggered abutments in adjacent shoe ends, a post fixed to the back-plate of the brake and having opposed notches to receive the abutments for which it forms a stop in the "off" position of the shoes, a cranked two-armed lever fulcruming on one of said abutments, one arm of said lever extending substantially at right angles to the back-plate and engaging the other abutment, the second arm of the lever extending substantially parallel to the back-plate, and means for applying to the second arm a force directed substantially at right angles to the back-plate to rock the lever about its fulcrum.

2,469,827
COAGULATION OF EMULSION POLYMERS
Joseph P. Johnson, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application August 23, 1945, Serial No. 612,297
9 Claims. (Cl. 260—84.5)

1. A method of coagulating a synthetic latex of a rubbery, conjugated diolefine emulsion polymerizate which comprises adding to the latex a water soluble salt of a metal of the group consisting of lead, iron, calcium, magnesium, strontium, barium, aluminum and zinc in the presence of between 20 and 50 percent of a molecular equivalent, based on the metal salt, of a compound of the group consisting of ammonium hydroxide and the alkali metal hydroxides.

2,469,828
EVAPORATOR UNIT
Bernard C. Johnson, Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application June 15, 1946, Serial No. 676,939
8 Claims. (Cl. 62—126)



1. A heat exchanger comprising contiguous secured together U-shaped metal sheets forming the bottom and side walls of a chamber, at least one of said sheets being embossed to define a

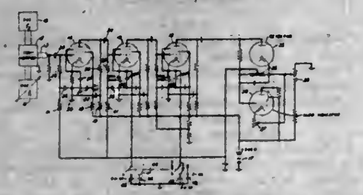
longitudinal inlet manifold duct along the bottom, feeding ducts extending laterally from the manifold duct and thence upwardly into the lower ends of the side walls, oppositely sloping ducts extending upwardly from the upper ends of the feeding ducts and the oppositely sloping ducts extending from one of said feeding ducts each intersecting with a plurality of the other sloping ducts to form a grid-like pattern on the side walls, upstanding collecting ducts at the upper ends of the oppositely sloping ducts, and longitudinal outlet ducts at the upper ends of the collecting ducts, contiguous secured together L-shaped metal sheets mounted in said chamber to provide a shelf and a back wall and having a shelf duct and a back wall duct, means for introducing fluid into the shelf duct, a tube connecting said shelf duct and the inlet manifold duct, tubes connecting the longitudinal outlet ducts with the back wall duct, and an outlet tube for exhausting said back wall duct.

2,469,829

METHOD AND SYSTEM FOR MEASURING FREQUENCY

John P. Kinser, Ridgefield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 13, 1946, Serial No. 683,307
6 Claims. (Cl. 250—39)



1. A frequency measuring circuit having input terminals to which an electromotive force of unknown frequency may be applied, a source of known standard frequency oscillations connected to said terminals, said circuit including a converter to produce oscillations of the beat frequency between the impressed oscillations, a high pass network having a low-pass cut-off frequency in the region of 100 kilocycles, means for reducing the low-pass cut-off frequency of said network at will, and an indicator connected to said network to receive therefrom selected beat frequency oscillations.

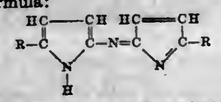
2,469,830

2-BIS(5-CYCLYLPYRROLE)AZAMETHINE DYES

Edward Bowes Knott, Harrow, Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application May 17, 1947, Serial No. 748,839. In Great Britain May 31, 1946
19 Claims. (Cl. 260—313)

1. An azamethine dye selected from the group consisting of those represented by the following general formula:



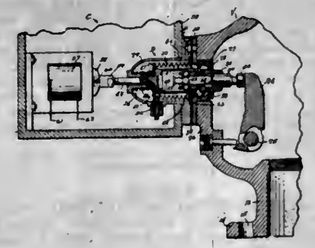
wherein R represents a member selected from the group consisting of a monocylic aryl group of the benzene series, an aryl group of the naphthalene series, a 2-thienyl group, a 2-furyl group, a 2-thiazolyl group, a carbazyl group and a tetralinyl group, and the ammonium and quaternary ammonium salt forms of said dye.

2,469,831

DELUGE VALVE

Leroy M. Lewis, Rosemont, Pa.

Application February 7, 1945, Serial No. 576,663
3 Claims. (Cl. 169—19)



1. In a deluge valve, including a valve casing, a clapper pivotally mounted within said casing, a dog pivotally mounted within said casing and operatively associated with said clapper, a locking pin extending through an opening in the wall of said casing, and having its inner end in operative engagement with said dog, a ball engaging said locking pin to hold said dog in clapper closing position, spring means normally tending to release said ball, and a solenoid normally overcoming said spring means to maintain said ball in effective engagement with said locking pin.

2,469,832

AUTOMATIC SPRINKLER

Leroy M. Lewis, Rosemont, Pa.

Application November 23, 1946, Serial No. 711,979
1 Claim. (Cl. 169—38)



In an automatic sprinkler head assembly including a yoke member, a threaded plug carried by said yoke member at one end thereof and having a bore extending therethrough, said plug being adapted to be connected to a source of supply of water under pressure, a cover member for said bore, said cover member having a face remote from said bore and which face is formed with a curved depression, a screw stem threaded in the other end of said yoke, and a bridge member engaged by said stem; the improvement consisting of a fracturable glass bottle having a main body portion with a lower end curved to conform to said depression in which it is received and a reduced neck upstanding from said body portion, said neck having a bore communicating with the interior of said bottle, a cork within the bore in said neck and having an outer face spaced from the outer end of the bore in said neck, and a cap in the form of a flat metallic disc with its outer edge portion fused to the end of said neck to close the face thereon, said cap being engaged by said bridge member under pressure to maintain said cover member in position closing the bore in said plug.

2,469,833

COPOLYMERS OF BUTADIENE AND ALKYL ESTERS OF ALPHA, BETA DICHLOROACRYLIC ACID

Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application September 10, 1943, Serial No. 501,849
3 Claims. (Cl. 260—93)

1. Copolymers resulting from reacting a mixture containing from 10 percent to 90 percent of an alkyl ester of alpha, beta dichloroacrylic acid and 90 percent to 10 percent of butadiene-1,3.

2,469,834

ELECTRIC CLOCK MOTOR AND SYSTEM

Henry Maerz, Brooklyn, N. Y., assignor to Self Winding Clock Company, Inc., Brooklyn, N. Y., a corporation of Delaware

Application September 12, 1946, Serial No. 696,591
4 Claims. (Cl. 172—275)



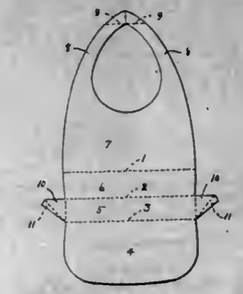
1. An intermittent motor comprising an electromagnetic stator and a rotor, the stator comprising two soft iron pole pieces having an arcuate cavity in opposing faces thereof, a magnetic core connected to each of said pole pieces, an energizing winding about each of said cores, said windings being connected so that the magnetic flux created by the energization of the windings is in series in the cores of both windings, the rotor of said motor comprising a magnetized core having a plurality of curved magnetic pole shoes at each end thereof angularly equidistant from each other, the toes of said pole shoes all pointing in the same peripheral direction the curvature of the faces of the pole pieces and the peripheries of the pole shoes being such that when adjacent to each other a substantially wedge shaped air gap will be formed, the pole shoes at the ends of the core being so disposed that each of the pole shoes at one end of the core is midway between consecutive pole shoes at the other end of the core, whereby when said core windings are intermittently energized by impulses alternately reversed in polarity, the rotor will revolve at each impulse one-half the arcuate distance between the pole shoes at one end of said magnetized core.

2,469,835

BIB

Florence H. McMartin, Duluth, Minn.

Application May 27, 1946, Serial No. 672,612
2 Claims. (Cl. 2—49)



1. A trough for a bib comprising three transverse spaced scores on said bib; substantially triangularly shaped tabs extending laterally from and intermediate of the two lowermost of said scores; said bib being folded upwardly on the uppermost one of said scores, back upon itself on the middle one of said scores, and outwardly on the lowermost one of said scores; and said tabs having one side extending substantially normal to said bib from the centermost one of said scores, a second side of said tabs extending upwardly at an angle from the lowermost one of said scores, and the third side of said tabs extending between the points where said normal and second sides abut said scores; said tabs being folded along said third side around the ends of the bib between the uppermost and center of said scores so that the faces of said tabs extend substantially normal to the adjacent face of said bib, and said tabs being secured to said bib along said second side whereby a trough is formed having angularly shaped ends and a double thickness front wall.

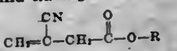
2,469,836

BETA-CYANO VINYL ACETIC ACID ESTERS

Charles R. Milone, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application May 19, 1942, Serial No. 443,646
3 Claims. (Cl. 260—465.4)

1. A compound having the structural formula



wherein R is an alkyl radical.

2,469,837

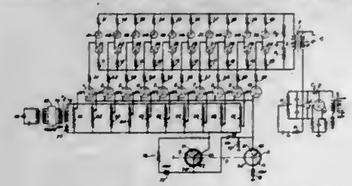
WAVE TRANSLATING SYSTEM

Milton E. Mohr, New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 26, 1946, Serial No. 699,555
5 Claims. (Cl. 332—29)

1. Frequency modulating apparatus comprising an oscillator circuit having discrete frequency controlling impedances for connection in varying number in said circuit to vary the oscillator frequency abruptly in steps in accordance with the number of said impedances simultaneously in said circuit, a source of modulating signals,

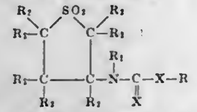
means responsive to said signals for varying the number of said impedances simultaneously in said circuit in accordance with the magnitudes assumed by said signals at prescribed instants, and



control apparatus rendering said means responsive to said signals at only said instants regardless of magnitude changes in said signals at other times.

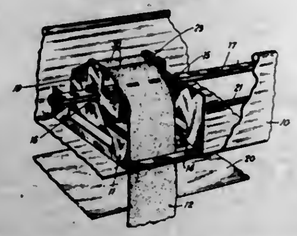
2,469,838
SULFOLANYL CARBAMATES
Rupert C. Morris, Berkeley, and Robert M. Horowitz, Los Angeles, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 28, 1946, Serial No. 706,094
18 Claims. (Cl. 260—77.5)

15. A compound of the formula:



wherein X is a member of the group consisting of oxygen and sulfur atoms, R is a hyrdocarbon radical containing from 1 to 20 carbon atoms, and R_1 and R_2 are members of the group consisting of hydrogen atoms, and hydrocarbon radicals.

2,469,839
VENETIAN BLIND FITTING
Harry Nelson, New York, N. Y., assignor to Lorentsen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York
Application July 5, 1947, Serial No. 759,055
8 Claims. (Cl. 160—177)



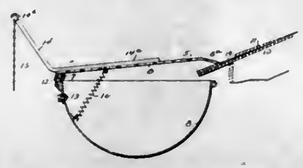
1. In a Venetian blind tape rocker of the type which is actuated by a noncircular tilt rod that pierces spaced portions of the rocker, the improvement which comprises: the spaced portions of the rocker being provided with wedge-shaped openings for receiving the rod, and the rocker being provided with means for crowding the rod into the wedge formations to thereby obviate angular lost motion between the rod and the rocker, said rod-crowding means being located between said spaced portions of the rocker.

2,469,840
METAL FLASHING
Herbert P. Orth, Upper Darby, Pa.
Application May 9, 1946, Serial No. 668,489
1 Claim. (Cl. 108—26)



In flashing construction, a flashing cap element adapted for insertion in masonry walls, having a depending skirt with a continuous slot extending upward therein from the lower edge thereof, the inner wall of said skirt extending downwardly below said slot and having a protruding flange adjacent the edge thereof, and an independent counter-flashing strip inserted in said slot, a bead formed on said skirt above said flange, said bead serving to resiliently and frictionally retain the said strip in operative position and under tension, and said flange serving as a stop engageable by said strip.

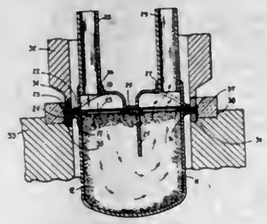
2,469,841
SCREEN FOR GUTTERS
John H. Ours, Arlington, Va.
Application May 12, 1947, Serial No. 747,438
3 Claims. (Cl. 108—30)



1. In combination a screen comprising a long and narrow web of reticulated material, means for hingedly connecting the outer edge of said web to a gutter, said web having its inner edge free and bendable and the innermost member of said web being of wavy formation and a rod rigidly affixed to said web along its outer edge, which rod constitutes an element of the means for hinging the web to the gutter, a crank arm connected to the screen and extending outwardly beyond the gutter, downward pull upon the crank arm swinging the screen upwardly and outwardly upon its hinge on the gutter edge.

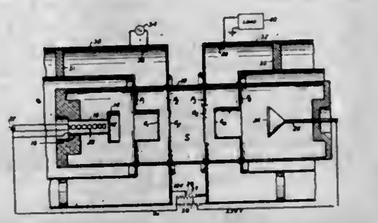
2,469,842
DEHYDRATOR
Joseph Norman Paquin, Euclid, and Edward P. Bock, Cleveland Heights, Ohio, assignors to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application November 23, 1945, Serial No. 630,480
3 Claims. (Cl. 210—131)

1. A dehydrator comprising in combination a cup containing dehydrating material and having a flange around the rim of the cup, a head having inlet and outlet openings, a bridge extending diametrically of the head and lying along a plane substantially along the rim of said cup, and having flanges around the rim of the head conforming to the cup-flange, a screen, and a screen retainer, said retainer and screen having outlines conforming to the shape of the top of the cup, the retainer having a rim, a cross-piece, and a baffle formed integral with said cross piece and bent into a plane transverse to the plane of the retainer rim, said screen having said retainer



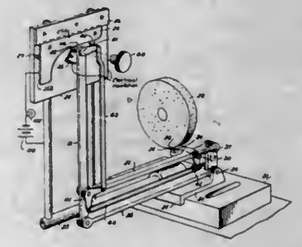
cross-piece joined thereto by fusion process with joining metal filling the screen through the thickness thereof along said retainer cross piece, fitting under the bridge of said head to close the screen to fluid passage over said retainer cross piece and under said bridge, said baffle extending downward into said dehydrating material and the flanges of said head and said cup being joined to secure said screen and retainer in position.

2,469,843
ELECTRON TRANSIT TIME TUBE
John R. Pierce, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 15, 1946, Serial No. 709,925
18 Claims. (Cl. 332—13)



1. In high frequency translating apparatus of the type in which electron inertia effects play a controlling part, means for producing a substantially uniform electron stream, signal input means for imparting velocity variations to said stream in accordance with a periodic signal, and means for recovering energy from density variations of said stream resulting from said velocity variations, said signal input means including a region traversed by said electron stream and means for establishing a signal frequency electric field throughout said region and longitudinally thereof, the length of said region in the direction of traversal being such that traversal thereof by an electron occupies a period substantially equal to a whole number of periods of said signal.

2,469,844
FORMING MEANS FOR PROFILE GRINDING WHEELS
Charles Benjamin Albert Porter and Clifford Percy Seymour, Hillingdon, England, assignors to Harold Stuart Hallewell, Hayes, Middlesex, England
Application December 9, 1944, Serial No. 567,398
In Great Britain December 21, 1943
12 Claims. (Cl. 125—11)



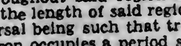
1. Grinding wheel profiling apparatus including a frame capable of being mounted on a grinding machine, a holder for a plane template rigid with said frame, a pantograph linkage pivotally mounted on said frame, a template-follower member mounted on said linkage for rocking about an axis perpendicular to said template, a dressing-tool holder mounted on said linkage for rocking about an axis perpendicular to the plane of said template, a dressing tool mounted in said holder and having a radiused tip so set that the centre about which said radiused tip is formed is on the said rocking axis of the dressing-tool holder, the said template-follower member having a working tip which is geometrically similar in section to the section of the said tip of the dressing tool, and the ratio of the radii of the said two tips being equal to the mechanical advantage of the pantograph mechanism, coupling means between said template-follower member and said dressing-tool holder for constraining them to rock in unison, and an element rigid with said template-follower member and co-operating with the template to prevent displacements of the dressing tool such as to cause the shoulder of the dressing tool to be cut by the grinding wheel.

2,469,845
RUBBERY COPOLYMERS OF (TRIFLUOROMETHYL) VINYL AROMATIC COMPOUNDS
Mary W. Renoll, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 15, 1944, Serial No. 531,284
9 Claims. (Cl. 260—74)

5. A copolymer of from two to 50 percent by weight of the polymerizable monomers of a compound having the structural formula:

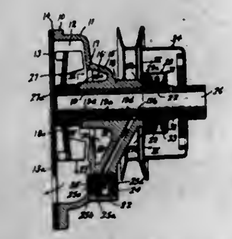
$$F_3C—R''—CH=CH_2$$

wherein R'' is a divalent aromatic hydrocarbon radical, and a compound of the structural formula:



wherein R and R' are radicals of the group consisting of hydrogen, chlorine and methyl.

2,469,846
PUMP BEARING AND SEAL ASSEMBLY LUBRICATION
Jay M. Roth, Euclid, and William C. Mahler, Cleveland, Ohio, assignors to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application June 25, 1945, Serial No. 601,480
2 Claims. (Cl. 103—111)



1. A lubricated bearing assembly for pumps which comprises a pump housing having a pumping chamber with a peripheral outlet and a central inlet, a central hub portion projecting into said pumping chamber, a bearing sleeve in said hub portion, a pump shaft rotatably mounted in said bearing sleeve, a leg on said housing extending from the peripheral portion of said pumping chamber to the outer end of said hub, a hollow boss on said housing communicating with the pumping chamber, a filter plug in said hollow boss having a substantially vertical end face in said pumping chamber, said vertical end face being positioned for cleansing action by the flow of fluid in the pumping chamber, and said leg having a passage therethrough connecting said boss with the inner face of said bearing sleeve to conduct fluid from the pumping chamber through said filter plug to the pump shaft for lubricating the shaft.

2,469,847
PROCESS FOR PRODUCING FILAMENTARY REACTION PRODUCTS OF RUBBERY POLYMERS WITH SULFUR DIOXIDE
Gottfried Ernst Rumscheidt and Willem Leendert Johannes de Nie, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 14, 1947, Serial No. 760,924. In the Netherlands December 23, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 3, 1962
8 Claims. (Cl. 18—54)

1. In a process for producing filaments, the steps comprising forming a solution of a rubbery polymer of a compound selected from the group consisting of conjugated diolefins and chloroprene; adding to said solution a compound containing a hydroperoxide group; and thereafter extruding the resulting solution into a coagulating bath containing available sulfur dioxide, the extruded rubbery polymer there reacting with the sulfur dioxide to form an insoluble, filamentary reaction product.

2,469,848
PREPARATION OF FLUOROHYDROCARBONS
Leroy Frank Salisbury, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 21, 1945, Serial No. 584,034
7 Claims. (Cl. 260—653)

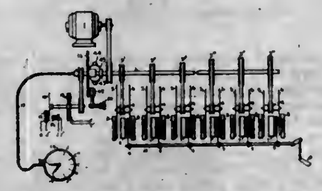
1. The process for obtaining a fluorohydrocarbon, which comprises passing a mixture of hydrogen fluoride and a hydrocarbon having a molecular weight of not more than 80 and the general formula RC≡CH, wherein R is of the group consisting of hydrogen atoms, monovalent saturated hydrocarbon radicals and monovalent hydrocarbon radicals containing an ethenic double bond as the sole unsaturation, over a discrete body as catalyst, said body comprising a mercury compound intimately associated with a solid, macromolecular, organic polymer which is substantially unaffected by said mercury compound and by anhydrous hydrogen fluoride, said mixture of hydrogen fluoride and hydrocarbon being passed in gaseous condition over said catalyst under substantially anhydrous conditions at a temperature between 0° C. and the temperature at which said organic polymer softens.

2,469,849
METHOD OF SPLICING BUTYL RUBBER
Frank F. Silver, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application January 19, 1946, Serial No. 642,385
9 Claims. (Cl. 154—14)



2. A method of splicing a tube of unvulcanized butyl rubber containing vulcanization agents incorporated therein which comprises joining the ends of the tube under pressure in the position of the desired splice, cooling the joint at a temperature below 50° F. by contact with a liquid at a temperature not higher than 32° F., inflating the tube to the desired size and shape in contact with a confining surface, and heating the joint to effect vulcanization.

2,469,850
ELECTRIC MUSICAL INSTRUMENT
Emeric M. Spielman, New York, N. Y.
Application March 14, 1944, Serial No. 526,408
1 Claim. (Cl. 84—1.18)



An electric musical instrument for the performance of multivoiced music with orchestral effect comprising twenty four tone discs having transparent areas regularly arranged in concentric annular zones, the number of which increases from the innermost of the outermost zone according to the ratio 1:2 in the inner zones, in the ratio 1:2.1 in the outer zones, the said twenty four tone discs arranged in twelve groups of tone disc couples, the transparent area of one tone disc of each couple shaped to produce tone frequencies having a timbre poor in harmonics, the transparent areas of the other tone disc of the couple shaped to produce the same tone frequencies having a timbre rich in harmonics, a plurality of light bulbs and photo cells situated in combination with the tone disc couples to produce each note in a mixture of said two timbres, means to adjust the relation of harmonic poor and harmonic rich tone frequencies within the mixture, a key board, means to control the intensity of the light of each bulb according to the depth the coordinated key is depressed, a motor, means to rotate the twelve groups of tone disc couples with different speed increasing in the same ratio as the tone frequencies of twelve consecutive notes increase within an octave, means to control the speed of the motor, a speedometer indicating the pitch, current supply for the light bulbs, current supply for the photocells, an amplifier, a resistance shunting the input of said amplifier and a pedal to disconnect said shunt, two outlets one of which connected with the input, the other connected with the output of said amplifier, and a speaker.

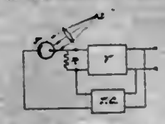
2,469,851
TUBE COUPLING
Henry D. Stecher, Lakewood, Ohio, and Elmer F. Jackman, deceased, late of Lakewood, Ohio, by Helen E. Jackman, administratrix, Lansing, Mich.; said Stecher assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application January 18, 1946, Serial No. 642,018
3 Claims. (Cl. 285—167)



1. In combination a body having a bore therein, a tube received within said bore, an annular groove with a cylindrical outer wall in said body around the portion of said bore receiving said tube with an O-ring seal in said groove and a relatively stiff ring within said groove between said sealing ring and the side wall of said groove away from the interior of said body for protecting said sealing ring against extrusion through the clearance between the bore of said body and the outer surface of said tube.

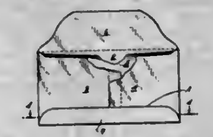
2,469,852
METHOD OF OPERATING PHOTOELECTRIC DEVICES
Maximiliaan Julius Otto Strutt and Aldert van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 16, 1946, Serial No. 684,091
In the Netherlands December 4, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires December 4, 1962
3 Claims. (Cl. 250—41.5)

1. The method of operating a photo-electric cell having a maximum permissible current production to obtain an improved signal-to-noise ratio comprising the steps of exciting said cell with a signal light having a variable intensity which varies beyond a predetermined intensity above which value said intensity ordinarily reacts on said photo-electric cell to produce a current therein greater than said predetermined maximum permissible current, amplifying the resultant output of the excited cell, and degenera-



tively feeding back to said cell a portion of the amplified output of said cell to a degree limiting the current in said cell to said predetermined maximum permissible current.

2,469,853
MULTISECTION ENVELOPE AND BLANK FOR FORMING THE SAME
Thomas A. Terry, New York, N. Y., assignor to C. & M. Envelope Company, New York, N. Y., a corporation of New York
Application April 10, 1945, Serial No. 587,534
1 Claim. (Cl. 229—72)

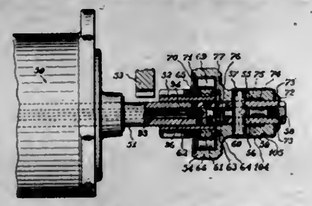


An envelope formed from a single unitary folded paper blank, said blank having a central portion to form the front of the envelope and having the same size as the finished envelope said front portion having a top wing to form the sealing flap of the envelope, and having a bottom wing of at least the same size as said front portion and arranged to be folded against said front portion to form a partition for dividing the envelope into two distinct compartments said front portion also having a pair of lateral wings each being shorter than the length of said front portion and arranged to be folded towards each other to form the back of the envelope, said bottom wing being initially folded along a line which is off-set below the lower edge of said front portion to form an overhang said overhang being refolded back on itself along the bottom edge of said front portion and sealed to said folded-over lateral wings to seal the bottom of the envelope and to provide a reinforcement therefor.

2,469,854
ENGINE STARTER GEARING
Bernhard Ulrich, Jr., and George W. Pontius, III, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 29, 1945, Serial No. 596,514
10 Claims. (Cl. 74—9)

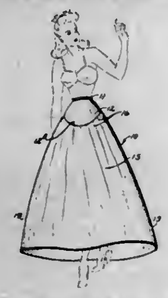
1. In an engine starter drive a power shaft, a pinion slidably journalled thereon for movement into and out of mesh with a gear of an engine to be started, means for actuating the pinion including a control member loosely mounted on the shaft, means for imparting rotary and longitudinal movement from the control member to the pinion, said control member having an inclined slot, a pin diametrically traversing the shaft and said slot to form an inclined connection between

the shaft and control member, a detent spring on the shaft adapted to engage the control member when in idle position and yieldingly oppose



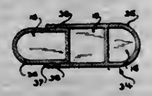
movement thereof, and unitary means for immobilizing the pin and the spring with respect to the shaft.

2,469,855
CRINOLINE SKIRT
Irwin Cohen, Brooklyn, N. Y.
Application January 4, 1946, Serial No. 638,933
4 Claims. (Cl. 2—221)



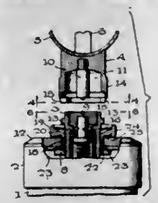
1. A skirt, comprising a waist band for engaging about the waist of a wearer, a skirt rear portion attached at its top edge to the bottom edge of the rear half of said waist band and depended therefrom, a skirt front portion having its top edge spaced from the bottom edge of the front half of said waist band and having its side edges secured to the adjacent lower side edge portions of said skirt rear portion, and a yoke set into the space between the top edge of said skirt front portion and the bottom edge of said waist band, said yoke having its edges secured to the top edge of said skirt front portion, to the bottom edge of the front half of said waist band and to the adjacent side edge portions of said rear skirt portion above the lower edge portions thereof which are secured to said skirt front portion.

2,469,856
MULTICHAMBER CONTAINER
Lawrence E. Robertson, East Weymouth, Mass.
Application September 28, 1945, Serial No. 619,201
1 Claim. (Cl. 220—20)



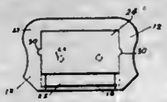
A container comprised of two elements, the horizontal and vertical cross-sectional areas of one element being smaller than the corresponding cross-sectional areas of the other element, the larger element having a plurality of chambers, one of which has an open side through which the smaller element can be completely inserted with either of two sides foremost, and coacting interlocking means on the two elements capable of securing them to each other whichever of the two sides of the smaller element enters foremost, the open sided chamber being substantially filled when said smaller chamber is completely inserted therein.

2,469,857
BATTERY HANDLE CONNECTOR
William N. Allyn, Skaneateles, N. Y., assignor to Welch Allyn, Inc., Auburn, N. Y., a corporation of New York
Application August 3, 1944, Serial No. 547,852
3 Claims. (Cl. 240—10.6)



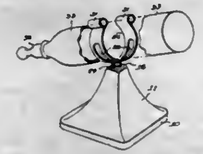
1. A battery handle connector for detachably coupling a battery handle to diagnostic instruments and the like, comprising a connector member carried by the instrument, and a complementary connector member carried by the battery handle, said connector members being telescopically engageable one over the other and each including mechanical interlocking means mutually engageable pursuant to relative telescopic and angular movements of the connector members, a flexible resilient disc member mounted on one of the connector members and radially extending outwardly therefrom for yieldable abutting engagement with the other connector member upon coupling of the battery handle to the instrument, and means for supporting the disc member, said supporting means comprising a radially extended seat having a recess in which the disc member is received, said seat being axially adjustable on the connector member, and means for restraining said seat against movement relative to the battery handle when in adjusted position.

2,469,858
PENCIL SHARPENER
Walter J. Brooks, Baltimore, Md.
Application April 4, 1945, Serial No. 586,513
1 Claim. (Cl. 120—90)



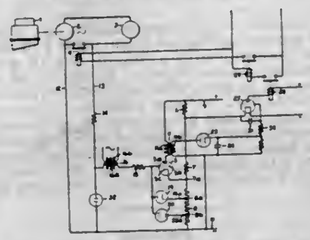
A blade holder comprising in combination, a holder frame having opposite surfaces diverging from one edge thereof, one of said surfaces being provided with a recess extending from said edge, there being notches provided on opposite sides of said recess, a side piece having projections for engagement with a blade and positioning projections, said side piece being located in said recess with said positioning projections engaged in said notches, said recess and said side piece having their engaging surfaces correspondingly arcuate, said frame being provided with openings adjacent said edge and said side piece terminating inwardly of said edge.

2,469,859
NURSING BOTTLE HOLDER
Ralph C. Charbeneau, Mount Clemens, Mich., assignor to Randolph E. Watson, Pamlico County, N. C.
Application October 13, 1945, Serial No. 622,193
2 Claims. (Cl. 248—105)



1. In a nursing bottle holder, a base having an upwardly extending portion with a tapered bore in the upper part thereof, a tapered plug disposed in and mating with said bore and having relatively movable gripping portions with a socket therein, a pivot member with a curved portion secured in said socket, a bottle carrier connected to said pivot member, said plug having a slot therein adjacent said socket whereby to provide a resilient gripping action upon said pivot member, and a pulling device on said base connected to said tapered plug and urging said plug downwardly into said tapered bore whereby to anchor said plug to said base and adjust the gripping action of said socket.

2,469,860
CONTROL DEVICE
William D. Cockrell, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 8, 1944, Serial No. 567,302
5 Claims. (Cl. 175—375)

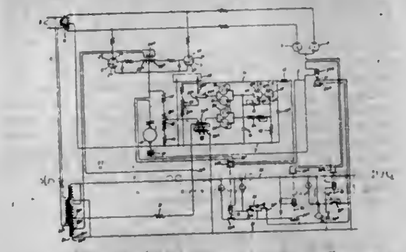


1. In combination, an electric valve having an anode, a cathode and a control grid, a voltage divider having terminals for connection to a source of direct voltage, connections from the anode and cathode of said valve to said voltage divider, means for supplying to the grid cathode circuit of said valve a direct signal voltage having a relatively wide range of values, means for superimposing on said signal voltage a periodically varying voltage of relatively low magnitude, thereby to cause a current having a periodically varying component to flow in said output circuit, means responsive to said periodically varying component to initiate a controlling operation, and means for rendering said valve unresponsive to said periodically varying voltage when the magnitude of said signal voltage is outside a relatively narrow range of values having a predetermined maximum value and a predetermined minimum value comprising a rectifier valve connected from said grid to a point of constant voltage on said divider to render said rectifier conducting in response to a grid voltage in excess of said maximum value and a reversely connected rectifier connected from said grid to a different point of constant voltage on said divider to render said reversely connected valve conducting in response to a grid voltage less than said minimum value.

2,469,861
CHEWING GUM BASE
Wallace P. Cohoe, New York, N. Y., assignor to American Chicle Company, Long Island City, N. Y., a corporation of New Jersey
No Drawing. Application March 2, 1946, Serial No. 651,631
6 Claims. (Cl. 99—135)

1. A permanent-chew, but digestible, chewing gum, substantially fat free and substantially insoluble in the mouth, comprising a prolamine base, dibasic calcium phosphate, lecithin, and glycerine-water solution sufficient to bring said dry materials into plastic form.

2,469,862
THYRATRON MOTOR CONTROL SYSTEM
Benjamin Cooper, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application February 6, 1948, Serial No. 6,690
3 Claims. (Cl. 318—271)



1. A control system for an electric motor having an armature and a field winding comprising a source of control voltage, a first electric valve having an anode, a cathode and a control grid and having its anode connected to the positive side of said source, and a first resistor connected between said cathode and the negative side of said source for producing across said resistor a variable speed reference voltage, a capacitor and a second resistor connected in series with each other, a connection from the junction point of said capacitor and second resistor to said grid one terminal of said second resistor being connected to said cathode and one terminal of said capacitor being connected to the negative side of said source, rectifier means for supplying a direct voltage to said armature comprising electric valve apparatus having an anode, a cathode and a control grid, means for producing a signal voltage proportional to the speed of said motor, means re-

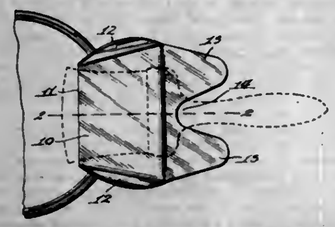
sponsive to the difference of said signal voltage and said reference voltage across said first resistor for varying the phase relationship of the grid and anode voltages of said rectifier to control the voltage supplied to said armature, a source of adjustable standard voltage, and means for limiting said reference voltage to a value corresponding to the value of said standard voltage comprising an electric valve having a cathode connected to a point on said standard voltage source and an anode connected to the junction point of said second resistor and said capacitor.

2,469,863
STOCKING PROTECTOR
Josephine McKenna Conley, Cleveland, Ohio
Application August 25, 1947, Serial No. 770,358
1 Claim. (Cl. 36—2)



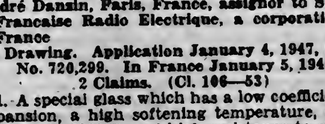
A stocking protector comprising a body of water-proof flexible material formed to provide elongated calf and ankle engaging portions, oppositely disposed transverse extensions of said body integral therewith, cooperating means on said transverse portions for securing the same together in overlapping relation about the leg of the wearer, said ankle engaging portion comprising a plurality of substantially parallel abutting sections secured together along their abutting edges and to the calf portion of said body diagonally of the abutting sections at their upper ends whereby to provide lateral and longitudinal reinforcement to said body, and to cause the same to conform to the leg of the wearer.

2,469,864
PAINTBRUSH HOLDER
Belle B. Craft and Lynn B. Craft, North Hollywood, Calif.
Application November 21, 1945, Serial No. 630,022
1 Claim. (Cl. 248—110)



A paint brush holder and drain pan comprising a plate, resilient means on the underside of said plate for clamping the rim of a container which means comprises a horizontally disposed hook with its opening rearwardly presented the rear portion of said plate being upwardly inclined with respect to the front portion and provided with a centrally disposed paint brush handle receiving notch and upwardly inclined flanges on the sides of the forward portion of said plate.

2,469,865
HAND TOOL
Clifford O. Crow, Columbia, Mo.
Application March 13, 1946, Serial No. 654,158
1 Claim. (Cl. 294—104)



In a pair of long shanked tongs, the combination of a fixed jaw comprising an extension of the tong's shank, a movable jaw mounted to turn on a pivot fixed in said shank, an arm forming an extension on said movable jaw, an operating lever pivoted for movement within said shank, first and second camming pins mounted in said operating lever between which said arm is passed, and means including a link extending along and in said shank connected to said operating lever to pivot the same and urge said camming pins against said arm whereby said movable jaw is moved toward and away from said fixed jaw.

2,469,866
HOLDER FOR FLATIRONS
Carl A. Crusell, Minneapolis, Minn.
Application April 9, 1948, Serial No. 19,961
3 Claims. (Cl. 248—117.2)



5. A holder for flatirons and the like comprising a mounting bracket adapted to be attached to an ironing board, a pair of spaced parallel guides fixed to said bracket, an elongated shank adapted to be removably received in said guides for longitudinal shiftable relation thereto, means for clamping said guides against said shank to hold said shank in adjusted extended position, and a handle receiving cradle fixed at the outer end of said shank for receiving the handle of a flatiron therein and supporting said iron therefrom.

2,469,867
GLASSES HAVING A LOW COEFFICIENT OF EXPANSION
André Dansin, Paris, France, assignor to Societe Francaise Radio Electrique, a corporation of France
No Drawing. Application January 4, 1947, Serial No. 720,299. In France January 5, 1946
2 Claims. (Cl. 106—53)

1. A special glass which has a low coefficient of expansion, a high softening temperature, equal, at least, to 600° C. and high resistance to chemical agents, which is easy to work, is particularly

suited for the manufacture of vacuum tubes, more especially radio-electric tubes, and which has good electrical qualities, said glass being characterised in that it is composed of the following elements:

	Per cent
SiO_2	52 to 55
Na_2O	0.4 to 0.9
Al_2O_3	4 to 6
B_2O_3	6 to 10
ZnO	2 to 4
PbO	10 to 16
BaO	8 to 12
CaO	3 to 8
MgO	0 to 3

the total percentage of all the three ingredients PbO, BaO and CaO being equal to at least 24%.

2,469,868
PRODUCTION OF HEAVY METAL NICOTINE SILICATES
Frederick E. Dearborn, Washington, D. C.
No Drawing. Original application November 7, 1945, Serial No. 627,270. Divided and this application May 16, 1947, Serial No. 748,644
4 Claims. (Cl. 260—270)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

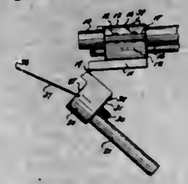
1. A process comprising reacting a soluble nicotine-heavy metal salt, wherein the heavy metal is selected from the group consisting of copper, zinc, and mercury, with substantially pure sodium silicate in a substantially neutral aqueous medium at a temperature of about from 50° to 100° C. to form a nicotine-heavy metal silicate.

2,469,869
PRODUCTION OF WATER REPELLENT HEAVY METAL NICOTINE SILICATES
Frederick E. Dearborn, Washington, D. C.
No Drawing. Original application November 7, 1945, Serial No. 627,270. Divided and this application May 16, 1947, Serial No. 748,645
2 Claims. (Cl. 260—270)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of preparing a nicotine-heavy metal silicate having water-repellent properties comprising mixing a heavy metal silicate selected from the group consisting of copper silicate, zinc silicate, and mercuric silicate, with a solution of about from 1 to 5 percent by weight of a soluble alkali metal salt of a solid monocarboxylic acid containing at least 10 carbon atoms, and reacting the resulting mixture with a member selected from the group consisting of free nicotine and nicotine sulfate in a substantially neutral aqueous medium at a temperature of about from 50° to 100° C., to form a nicotine-heavy metal silicate having water-repellent properties.

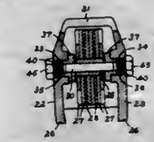
2,469,870
CARTRIDGE FIRING ATTACHMENT FOR AIR RIFLES
Ralph Hilliard Dixon, Belleville, N. J.
Application March 12, 1948, Serial No. 14,488
9 Claims. (Cl. 42—1)

1. A cartridge firing attachment for an air rifle comprising a breech member having a cartridge bullet discharge barrel extending outwardly therefrom, means to support an explosive cartridge within said breech member in aligned relation to the bore of said barrel, and means to connect said breech member in attached relation to the barrel of an air rifle with the supported cartridge aligned with the bore of the latter,



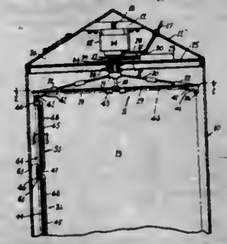
whereby a shot air impelled through the air rifle barrel will strike and fire said cartridge.

2,469,871
GRINDING WHEEL DRESSER
George Eaton, Urbana, Ohio, assignor to The Desmond-Stephan Mfg. Co., Urbana, Ohio, a partnership
Application June 13, 1946, Serial No. 676,367
12 Claims. (Cl. 125—37)



1. A tool for dressing grinding wheels comprising a head formed to provide a pair of spaced side walls, a bushing secured in each side wall, a pin rotatably journaled in said bushings, cutters rotatably mounted on said pin between the side walls, each said bushing having a flange portion and a shank portion with a central bore extending through said portions, the length of said shank portion being less than the thickness of the side wall, the outer portion of said bore being threaded and a headed screw threadedly received in said outer threaded portion.

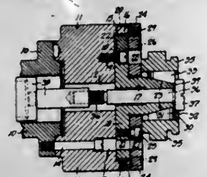
2,469,872
RAY-EMISSION APPARATUS
George G. Eliner, Long Island, N. Y.
Application November 30, 1944, Serial No. 565,967
1 Claim. (Cl. 250—52)



In ray-emission apparatus, in combination, a motor, a vertical shaft, means including said motor for rotating said shaft, a plurality of arms extending from said shaft in a generally horizontal direction, a socket on each of said arms mounted adjacent the end thereof remote from said shaft, a plurality of bactericidal ray-emitting lamps each adapted to be secured in a respective one of said sockets for rotation around said shaft,

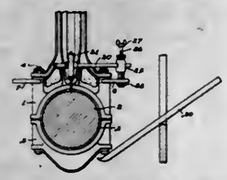
circuit means for energizing said lamps through said respective sockets, said sockets being arranged to support said lamps in substantially vertical position, auxiliary socket means and additional bactericidal ray-emitting lamps connectable by said auxiliary socket means in tandem with respective ones of the first-mentioned lamps, clamping means engaging said auxiliary socket means to hold each pair of tandem-connected lamps in fixed relative position, said sockets being arranged to support said lamps in substantially vertical position, and a plurality of second and third sockets mounted adjacent the first-mentioned sockets and adjacent said shaft, respectively, for supporting said lamps in substantially horizontal position alongside respective ones of said arms.

2,469,873
PRECISION EXPANDING ADAPTER
Frederick I. Ernest, Elkhart, Ind.
Application April 16, 1945, Serial No. 588,701
4 Claims. (Cl. 279—2)



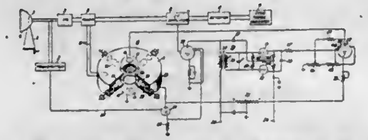
2. A precision expanding adapter for mounting a work piece having a finished bore and a finished end face, comprising a body having an end surface, a rigid tapered spindle projecting from said body, means for locating said spindle in predetermined angular relation to said face and on a selected axis, an expansible unitary bushing having a tapered bore fitting on said spindle, and means for shifting said bushing on said spindle, said work piece encircling said spindle and bushing with its finished face in engagement with said body face.

2,469,874
GAUGE SUPPORT
John J. Fetsko, Jr., Neville Island, Pa.
Application January 7, 1944, Serial No. 517,303
5 Claims. (Cl. 248—226)



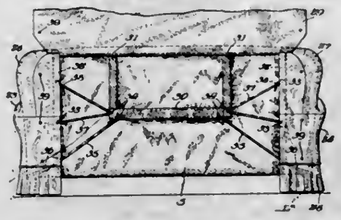
1. A support for a gage for testing bearings between a crank shaft and a conecting rod attached to it, comprising an extensible clamp formed of a pair of plates adjustably connected to each other at their inner ends for relative longitudinal movements and each having a hook at its outer end formed to engage a side of the connecting rod, a gripper borne by one of said plates outside of a plane passing through their said hooks and movable to engage the connecting rod for fixing the clamp rigidly thereon, a post attached to the clamp for vertical and angular adjustment with relation thereto, and a gage-supporting rod firmly attached to said post for longitudinal adjustment with relation thereto.

2,469,875
AUTOMATIC FREQUENCY CONTROL FOR PULSE TRANSMISSION SYSTEMS
George W. Fyler, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application January 26, 1944, Serial No. 519,709
5 Claims. (Cl. 343—13)



5. In combination, means to transmit oscillations in recurrent pulses, means to receive said oscillations both directly and after reflection from a remote body, an oscillator heterodyning with said received oscillations to produce a beat frequency, said oscillator comprising an electron discharge device having an anode and a cathode and being adapted to produce oscillations of frequency dependent upon the potential between said anode and cathode, means to produce a unidirectional potential between said anode and cathode dependent upon the frequency of said beat note produced only during reception of said directly received oscillations, and means to maintain said potential throughout the interval between said transmitted pulses and during reception of said oscillations after reflection.

2,469,876
SLIP COVER
Estelle Gould, Chicago, Ill.
Application July 2, 1947, Serial No. 758,585
2 Claims. (Cl. 155—182)



1. A slip cover for an article of furniture, comprising a cover assembly including opposed article side and arm envelopes, opposed article back-end covering pieces and a front-back panel between and connected to the envelopes and pieces, the free end portions of said envelopes and pieces being extendable inwardly and over portions of the rear side of the back of the article of furniture and arranged in spaced relation, a substantially U-shaped yoke connected at certain of its ends to an intermediate portion of the upper and rearward end of said front-back panel and adapted to normally hang therefrom, means for adjustably connecting the opposite sides of said yoke to relatively opposed portions of the free end portions of the envelopes and pieces, longitudinally adjustable means connected to other portions of said yoke and detachably connectable to relatively opposed fixed portions of the article of furniture, a second panel connected at one end to the upper and rearward end of said front-back panel, the width of said second panel being sufficient to cover the space between said free end portions of the envelopes and pieces and said U-shaped yoke, and means for detachably connecting portions of said second panel to adjacent portions of the free end portions of the envelopes and pieces.

2,469,877
COMBINATION TOOL
Harry M. Haberman, New York, N. Y.
Application March 30, 1946, Serial No. 658,461
4 Claims. (Cl. 219—21)



1. A combination pair of pliers and soldering iron, comprising two hinged jaws, a first handle extending from one jaw, a thermal conducting member extending from the other jaw below the hinge thereof, an electrical heating element embracing at least part of said thermal conducting member, a body member holding said heating element therewithin, and a second handle extending from said body member and mating with said first handle, the portions of jaws above said hinge being relatively narrow and free from obstructions to the mechanical functioning thereof.

2,469,878
SWITCH CONTACT
Cyril H. Hannon and Alfred L. Jenny, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application June 23, 1945, Serial No. 601,334
5 Claims. (Cl. 200—166)



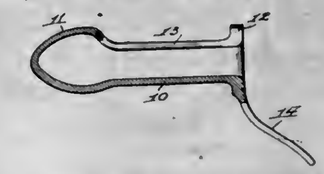
4. An oil immersed switch comprising cooperating switch contacts, each of said contacts consisting of a metal base of high electrical conductivity with a fused coating of tin thereon, said tin coating having a thickness of approximately 0.0002".

2,469,879
PREPARATION OF BORON COMPOUNDS
Dallas T. Hurd, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 22, 1945, Serial No. 623,858
11 Claims. (Cl. 23—204)

1. The method of preparing boron compounds which comprises effecting reaction at a temperature of from 200° to 400° C. between a boron halide and hydrogen while the said reactants are in contact with a mass containing an electropositive metal selected from the class consisting of the alkali metals, the alkaline-earth metals, magnesium, zinc and aluminum.

8. The method of preparing boron hydrides which comprises effecting reaction at a temperature of from 200° to 400° C. between a boron halide and hydrogen while the said reactants are intimately associated with a mass containing (1) an electropositive metal selected from the class consisting of the alkali metals, the alkaline-earth metals, magnesium, zinc and aluminum, and (2) an inorganic salt capable of forming with a halide of the metal of (1) a product which is liquid at the temperature of the reaction between the aforesaid boron halide and hydrogen, and separating the boron hydrides that are formed from the other products of the reaction.

2,469,880
PROCTOSCOPE
Maurice H. Kowan, Los Angeles, Calif.
Application August 5, 1947, Serial No. 766,152
1 Claim. (Cl. 128—5)

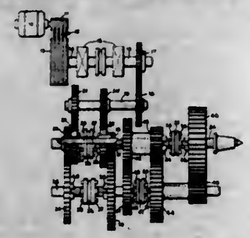


A proctoscope comprising a hollow cylindrical body, a pointed hollow bulbous member on the forward end of said body, a circumferential flange projecting laterally from the rear end of said body, there being a longitudinally disposed slot formed in said body and extending a short distance into the inner end portion of said bulbous member and through said flange, and a handle depending from said flange opposite from said slot and there being notches formed in said flange between said slot and handle and at right angles thereto to serve as fingerholds.

2,469,881
HEADSTOCK TRANSMISSION GEAR SHIFTING MECHANISM
Howard E. Laubach, Cincinnati, and Robert C. Johnson and Vincent J. Kramer, Norwood, Ohio, assignors to The Boye & Emmes Machine Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application June 28, 1947, Serial No. 757,848
11 Claims. (Cl. 74—334)

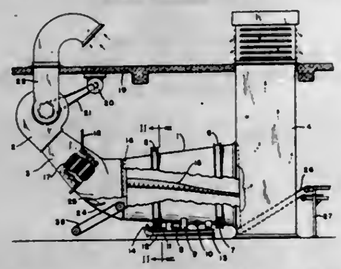
1. In a transmission gear shifting mechanism, a preselecting means comprising a dial, a cam drum, and a series of levers positioned by rotation of said drum and in operative connection with the shiftable clutch members of said transmis-

sion, and a shifting mechanism actuated by a shifter lever so as to operatively engage and have said series of levers to actuate said shiftable



clutch members of said transmission to cause a change in the speed of said transmission from that at which it was initially operating to the one preselected by said preselecting means.

2,469,882
CONTINUOUS DRIER
Arthur A. Locke, Detroit, Mich.
Application March 24, 1945, Serial No. 584,638
7 Claims. (Cl. 34—136)

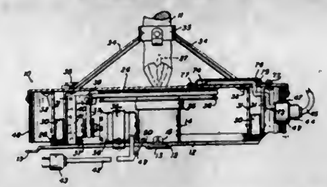


1. A continuous laundry dryer comprising a sleeve having open inlet and outlet ends, means for rotating the sleeve, the outlet end of the sleeve being larger in diameter than the inlet end and the peripheral wall of the sleeve being uniformly tapered from the inlet end to the outlet end, a duct communicating with the inlet end of the sleeve and an outlet duct communicating with the opposite end of the sleeve, said inlet duct at its point of communication with the inlet end of the sleeve being substantially equal in area to the area at the inlet end of the sleeve, means within the sleeve for picking up laundry and dropping it from an elevated position upon rotation of the sleeve, and forced air means directed from the inlet duct for advancing the laundry toward the outlet end of the sleeve.

2,469,883
PREPARATION OF METHYL SILICONE ELASTOMERS
James Marsden and George F. Roedel, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application June 11, 1945, Serial No. 598,913
4 Claims. (Cl. 260—46.5)

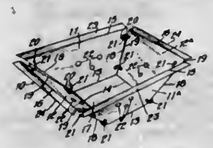
1. The process of preparing a solid, elastic, curable methylpolysiloxane which comprises advancing a liquid methylpolysiloxane containing an average of from 1.98 to 2.00 methyl groups per silicon atom, and consisting essentially of a liquid polymeric dimethylsiloxane containing up to 2 mol per cent copolymerized monomethylsiloxane to the solid, elastic, curable state with an agent consisting solely of an acidic material selected from the class consisting of sulfuric acid and chlorosulfonic acid, and thereafter removing substantially all of the acidic material from the solid elastic product.

2,469,884
REVOLVING CHRISTMAS TREE STAND
Anthony N. Masone, Waterbury, Conn.
Application June 19, 1947, Serial No. 755,652
1 Claim. (Cl. 248—45)



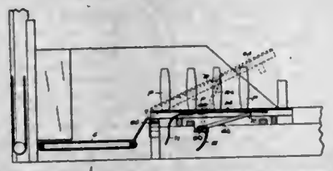
In a revolving Christmas tree stand, a stationary supporting base, a revolving plate, an annular bearing supporting said plate on said base, means for supporting a Christmas tree in erect position on said plate, insulated electric conductor means extending from the stationary supporting base through said annular bearing to said revolving plate, and adapted to conduct current to electrical apparatus upon said plate, said conductor means including relatively movable contacts mounted within said annular bearing for maintaining the continuity of the conductor means during continued revolution of the revolving plate, a receptacle, and means mounting said receptacle on said plate.

2,469,885
COLLAPSIBLE FIREBOX
Charles P. Molla, New Hyde Park, N. Y.
Application January 20, 1945, Serial No. 573,790
1 Claim. (Cl. 126—144)



A collapsible fire box comprising a pair of similar opposed wall plates, having side edge portions converging from the upper edge to the lower edge thereof, another opposed pair of similar but smaller wall plates having side edge portions converging from the upper edge to the lower edge thereof, side edge portions of both pairs of plates having alined apertures inwardly of and adjacent upper and lower edges, rings mounted in alined apertures of adjacent plates in providing a free hinge coupling between said plates, said hinge coupling producing of the assembled plates a substantially hopper-shaped fire box body wherein the wall plates are adapted for movement into collapsed position with one wall plate of each pair disposed upon an adjoining wall plate of each pair, the upper edge portion of at least one pair of wall plates having outwardly extending supporting flanges, said wall plates having small draught apertures centrally thereof, and other draught apertures formed between side edges of adjacent plates.

2,469,886
PIN DISCHARGING MECHANISM FOR BOWLING ALLEYS
John F. Murphy, Middleboro, Mass., assignor to Murphy Automatic Pinsetter Co., Inc., Cambridge, Mass., a corporation of Massachusetts
Original application April 13, 1943, Serial No. 482,852. Divided and this application December 4, 1944, Serial No. 566,461
3 Claims. (Cl. 273—43)



1. In a machine of the class described, an alley floor section for supporting standing pins hinged at its rear end and means to raise the same to an elevated and rearwardly sloping position to discharge pins thereon to the pit comprising a lifting member with which said section is engaged by force closure and an electric drive the circuit of which comprises contacts on said section and lifting member respectively and which are closed together when the two are in normal engagement, whereby if the section is jammed in raised position, drive of the machine will be intermitted through motion of the member relative to the section.

2,469,887
FORGEABLE HIGH-TEMPERATURE ALLOYS
Eugene L. Olcott, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 2, 1945, Serial No. 619,899
3 Claims. (Cl. 148—31)

1. A heat treated and heat-resistant alloy containing 10 to 14% chromium, .06 to .13% carbon, .2 to .6% columbium, .2 to 1% manganese, .15 to .45% silicon, .1 to .8% nickel with the balance iron, the ratio of columbium to carbon varying from about 3 up to 5:1.

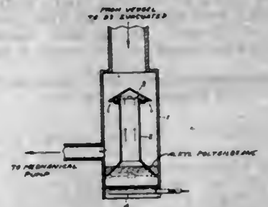
2,469,888
ORGANO-POLYSILOXANES
Winton I. Patnode, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 29, 1942, Serial No. 463,814
24 Claims. (Cl. 260—448.2)

1. Liquid polysiloxanes having the formula

$$R_{(2a+2)}Si_aO_{(a-1)}$$

wherein the various R's represent monovalent hydrocarbon radicals, and a is a whole number equal to at least 3, and in which every oxygen atom is situated between two silicon atoms, every silicon atom is attached through oxygen to at least one other silicon atom, and each terminal silicon atom in the Si—O—Si skeletal structure is joined to three R groups.

2,469,889
VACUUM PUMP
Donald F. Wilcock and Edward G. Chace, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application June 28, 1945, Serial No. 602,158
9 Claims. (Cl. 230—101)



1. Means for producing vacua which comprises a condensation pump containing a high molecular weight liquid alkyl polysiloxane as a pumping fluid, said polysiloxane containing from 9 to 17 silicon atoms per molecule.

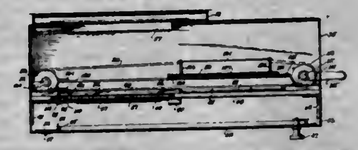
2,469,890
LINEAR METHYLPOLYSILOXANES
Winton I. Patnode, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Original application October 29, 1942, Serial No. 463,814. Divided and this application March 8, 1946, Serial No. 653,131
4 Claims. (Cl. 260—448.2)

1. A methylpolysiloxane corresponding to the formula

$$(CH_3)_3Si\left[\begin{matrix}CH_3\\|\\O-Si\\|\\CH_3\end{matrix}\right]_n O-Si(CH_3)_3$$

where n represents an integer which is at least 1 and not more than 4.

2,469,891
COLOR SEPARATION CAMERA
Frank T. Powers, Glen Cove, and Augustin J. Powers, Jr., Roslyn Heights, N. Y., and Francis E. Wattier, St. Lambert, Quebec, Canada, assignors to Powers Photo Engraving Company, Glen Cove, N. Y., a corporation of New York
Application September 14, 1945, Serial No. 616,342
12 Claims. (Cl. 88—24)



1. In a color separation camera, the combination of means for supporting a sensitized element or a ground glass in the focal plane of the camera, a slideway for a second sensitized element to overlie the first element in register therewith

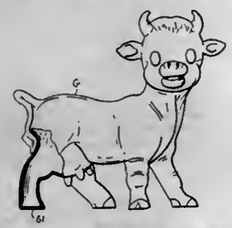
or to be positioned completely to one side thereof where it may be placed in or removed from the slideway, said slideway having edges to overlie opposite margins of the second element and having a fixed position axially of the camera, spring means to press against opposite edges of the second sensitized element and urge the element against the fixed edges and cooperating with said slideway for holding the second element parallel to the first element.

2,469,892

HOLLOW ARTICLE AND METHOD AND APPARATUS FOR PRODUCING THE SAME

Dietrich G. Rempel, Akron, Ohio, assignor to Rempel Enterprises, Akron, Ohio, a partnership

Application September 10, 1947, Serial No. 773,209
16 Claims. (Cl. 18—26)



1. A method of making hollow articles, comprising the steps of providing a plurality of sectional molds of porous material, each mold having a plurality of article-forming cavities therein and each cavity being supplied with a predetermined volume of aqueous dispersion material sufficient for forming an article of desired wall thickness, and while maintaining said molds in stacked relation applying compound rotary motion to the stack about a plurality of angularly disposed axes to deposit the predetermined volumes of dispersion material in successive accreted layerings over the surface portions of the respective article-forming cavities in diverse directions of flow of the dispersion material, whereby said deposition and accretion of the dispersion material is accomplished by removing water from the dispersion material by capillary attraction outwardly through the mold pores and evaporation at the outer mold surface portions.

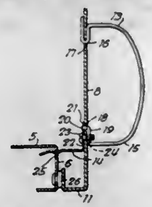
15. Apparatus for producing hollow articles by deposition of aqueous dispersion material, comprising a plurality of sectional cavity molds of porous material each having at least one article-forming cavity therein adapted to contain predetermined quantities of the dispersion material in all positions of rotation of the molds, a mold support having guide means for removably retaining said molds in stacked relation, releasable clamping means on said support for clamping the molds in said stacked relation in said support, spacer means between adjacent molds of the stack, said support and spacer means being proportioned to provide for exposure of the pores of the molds over substantial proportions of the outer surface areas of the molds including the spaced adjacent surfaces of the same, means for mounting said mold support to be rotatable about a plurality of angularly disposed axes to apply compound rotary motion to said mold stack, and means operable to apply said compound rotary motion to said mold support to deposit predetermined quantities of dispersion material in successive accreted layerings over the surfaces of the respective article-forming cavities, by capillary removal of water from the dispersion material outwardly through the mold pores and evaporation at said exposed outer mold surface areas.

2,469,893

CABINET DOOR PULL AND CATCH

Lyle C. Rockwell, Elgin, Ill., assignor to Acme Visible Records, Inc., Chicago, Ill., a corporation of Delaware

Original application May 22, 1944, Serial No. 536,679. Divided and this application March 29, 1945, Serial No. 585,465
1 Claim. (Cl. 292—76)



A door pull and catch structure comprising, a panel formed with a pair of handle receiving slots and a bolt aperture, a handle formed from a single elongated piece of metal, one end of said handle being bent C-shape for detachable engagement in one of said handle receiving slots, the other end of said handle being bent inwardly toward the C-shape end of the handle and substantially parallel to said panel and provided with a threaded aperture and having a prong formed at its inner end projecting laterally through the other of said handle receiving slots, a detent spring clip comprising a generally L-shape body, one leg of which has a bowed detent portion formed thereon near the free end thereof to be inserted into a keeper slot, the other leg of said detent spring clip providing an attaching portion disposed in abutment with the inside of said panel and having an elongated longitudinally extending slot formed therein to receive the aforesaid prong on the handle for adjustment of the detent spring clip relative to said handle, and a fastening screw entered through said slot in the detent spring clip and through said bolt aperture provided in said panel and threaded in said aperture provided in the inwardly bent end portion of the handle to fasten the handle and detent spring clip in adjusted relation against opposite sides of said panel.

2,469,894

METHOD FOR IMPROVING THE SURFACE OF SYNTHETIC RUBBER SPONGE

Thomas H. Rogers, Jr., Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application June 12, 1946, Serial No. 676,341
5 Claims. (Cl. 260—84.5)

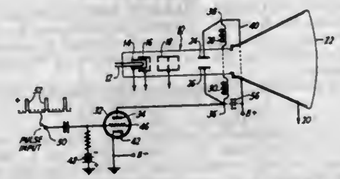
3. In a method of preparing a sponge-like composition by frothing a latex of a copolymer of butadiene-1,3 and a polymerizable mono-olefinic monomer, the improvement which comprises heating the surface of the frothed mass, prior to gelling, to a temperature between 40° C. and 90° C. by contacting it with steam.

2,469,895

CATHODE-RAY BEAM DEFLECTION CIRCUIT

Gordon F. Rogers, New Hyde Park, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 12, 1947, Serial No. 728,001
4 Claims. (Cl. 315—24)



3. In a system in which the electron scanning beam of a cathode ray tube is deflected, the combination of a pair of electrostatic deflecting plates within said cathode ray tube, a pair of electromagnetic deflecting coils exterior of said tube, means for so connecting said pair of plates and said pair of coils that the electrical capacity between said plates together with the electrical inductance of said coils forms a damped resonant circuit, and means for periodically applying pulses of energy to shock-excite said circuit, the frequency of said pulses being a small fraction of the free oscillation frequency of said damped resonant circuit.

2,469,896

ADJUSTABLE PEDESTAL STOOL

Harold M. Schaef, Chicago, Ill.

Application June 15, 1945, Serial No. 599,674
8 Claims. (Cl. 155—94)



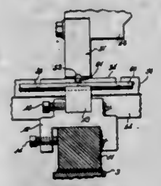
1. A stool comprising, in combination, an upright tubular member, a second tubular post telescoped into the upper end of said tubular member, a cone carried on the lower end of said tubular post, a stem carried in the tubular post and extending through the cone, a washer on said stem including a ring having a hollow hub portion, at least the top surface of said ring being inclined upwardly outwardly radially, a plurality of rolling elements seated on said top surface of the ring surrounding the cone, and a spring to normally urge said washer into telescoped relation with said cone to move the rolling elements outwardly radially into wedging engagement between the cone and tubular member.

2,469,897

METHOD AND APPARATUS FOR RESISTANCE WELDING OF ALUMINUM

Ernest W. Schilling and Andrey M. Bramblett, La Fayette, Ind., assignors to Peerless Wire Goods Co., Inc., La Fayette, Ind., a corporation of Indiana

Application November 10, 1948, Serial No. 59,302
4 Claims. (Cl. 219—4)



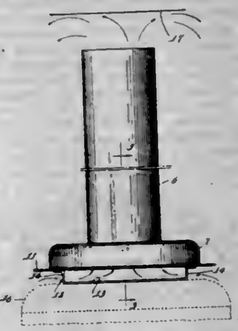
1. In a welding apparatus for welding aluminum rods in crossed relation, a pair of electrodes relatively movable toward and from each other, one of said electrodes having a single groove in its working face of a size and shape to snugly receive a portion of one of said rods, the working face of the other electrode having a single groove therein of a size and shape to loosely receive a portion of the other of said rods and to make substantially line contact therewith.

2,469,898

SPACE HEATING DEVICE

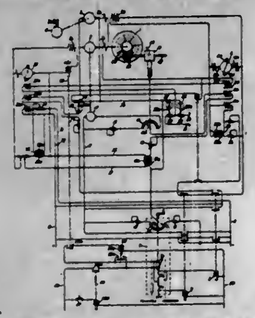
Fred C. Schoch, Oak Park, Ill.

Application January 26, 1946, Serial No. 643,586
1 Claim. (Cl. 126—67)



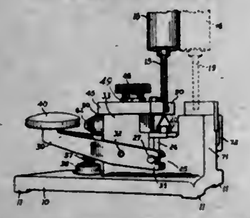
In a space heating device for conducting heated air from adjacent the top surface of a stove to a remote part of a room, a portable tubular stack, said stack having an enlarged air inlet end substantially equal to the area of a stove top, means adapted to support said stack in an upright position upon and in spaced relation to the top surface of a stove, whereby heat radiated from the top of a stove acts to draw unheated air laterally across the top of a stove and upwardly through the stack, the outlet end of said stack being disposed at a higher elevation than said inlet end and adapted to open into a room and disperse heated air in same, said stack supporting means comprising a pair of U-shape supporting legs having their ends secured to the inlet end of said stack.

2,469,899
MOTOR CONTROL SYSTEM
Earl H. Sills, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 28, 1947, Serial No. 771,059
5 Claims. (Cl. 318—145)



1. A control system comprising a generator, a motor supplied from said generator, means for varying the voltage of said generator to vary the speed of said motor, a source of reference voltage, means for deriving a control voltage from said generator voltage, means for supplying exciting current to the field winding of said motor comprising a dynamoelectric machine provided with a control field winding connected to be responsive to the difference of said derived voltage and said reference voltage to control said dynamoelectric machine to weaken the field of said motor and a rectifier in circuit with said control field winding for preventing excitation of said control field winding when said derived voltage is less than said reference voltage to maintain a relatively strong excitation of said motor for voltages of said generator less than a predetermined value and for effecting excitation of said control field winding when said derived voltage exceeds said reference voltage to weaken said motor field for generator voltages in excess of said predetermined value.

2,469,900
DRILL SHARPENER
William R. Spiller and Lloyd L. West, Dayton, Ohio, assignors to Harris-Seybold Company, Cleveland, Ohio, a corporation of Delaware
Application October 12, 1945, Serial No. 622,020
13 Claims. (Cl. 76—82)

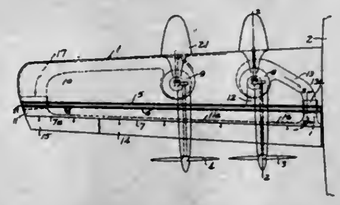


1. Sharpener for sharpening a hollow drill while the drill is rotatably supported in a spindle comprising a base adapted to be supported below the hollow end of said drill, a sharpening tool mounted in said base, means on said base for moving said tool into sharpening relation with the lower end of said drill while the drill is rotated in its spindle, and means on said base engaging the outside wall of said drill to establish proper operating relation of said drill and said tool during sharpening.

2,469,901
PRODUCTION OF CALCIUM HYPOCHLORITE
Jerome W. Spraner, Roslyn, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application November 24, 1945, Serial No. 630,705
7 Claims. (Cl. 23—86)

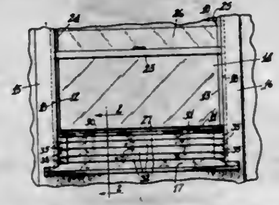
1. In a process for precipitation of neutral calcium hypochlorite by chlorination of a basic aqueous mixture containing calcium ions, the improvement which comprises adding chlorine to the mixture, at least from the time the liquid phase of the mixture is saturated with respect to neutral calcium hypochlorite, at a rate of at least 0.5% per minute of the "final chlorine equivalent" of the mixture, maintaining the liquid phase of the mixture substantially free of sulfate ion during the precipitation, maintaining the calcium chloride concentration in said liquid phase during said precipitation below about 35 parts by weight calcium chloride per 100 parts water, and carrying out the precipitation at a temperature below about 30° C.

2,469,902
AIRCRAFT WINGS HAVING BOUNDARY LAYER CONTROL
Edward A. Stalker, Bay City, Mich.
Application June 14, 1943, Serial No. 490,712
15 Claims. (Cl. 244—42)



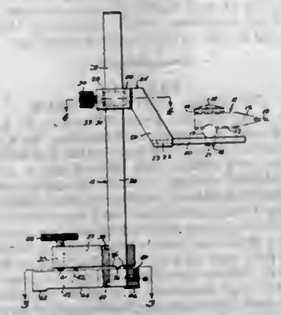
1. In combination, a hollow wing main body and a flap supported in variable relation to form a wing, said wing having an induction slot in the upper surface aft of the midpoint of the wing chord and near the junction of the said body and flap, said wing having a discharge slot in the upper surface of said flap aft of said induction slot, a partition in said wing segregating the space forwardly thereof into an induction chamber in communication with said induction slot and the space rearwardly thereof into a discharge chamber in communication with said discharge slot, blower means located within said wing forwardly of said induction slot, means establishing communication between the inlet of said blower means and said induction chamber, means establishing communication between the discharge of said blower means and said discharge chamber, and means for maintaining communication between said discharge chamber and said discharge slot throughout the variable positioning of said flap.

2,469,903
COLLAPSIBLE WINDOW VENTILATOR
Joseph Swanski, Worcester, Mass.
Application February 13, 1947, Serial No. 728,221
2 Claims. (Cl. 160—102)



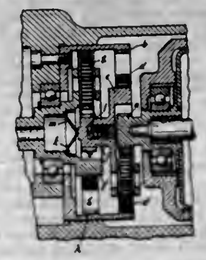
1. A collapsible ventilator for a window frame having a vertically disposed window sash slidably mounted within said frame, said ventilator comprising, a pair of guide channels in said frame, said guide channels being vertically disposed at the respective sides of said frame, an elongated member having one marginal edge portion thereof securable to the lower rail of said window sash, a plurality of parallel and vertically stacked nestable slats each having a substantially inverted trough-shaped cross section and having one end portion thereof slidingly received within one of said guide channels, a member telescopically secured at the other end portion of each of said slats, each of said telescopic members being slidingly received within the other one of said guide channels, and flexible means carried by said elongated member and secured at spaced locations along its length to the apex portion of each of said slats thereby normally to support said slats in spaced relation with each other whenever said window sash is raised a substantial distance off the lower portion of said frame, said slats being adapted to be nested successively together whenever said window sash is moved downwardly toward the lower portion of said frame.

2,469,904
GAUGE SUPPORT
Edward A. Szuba, Lincoln Park, Mich.
Application January 10, 1947, Serial No. 721,431
6 Claims. (Cl. 248—124)



1. A gauge support comprising a base, an upright secured to said base and having a slender portion therebetween, a dial indicator gauge holder connected to said upright, and adjusting mechanism engaging said upright for tilting said upright relatively to said base around said slender portion as a fulcrum.

2,469,905
EPICYCLIC MECHANISM
Percy Tatlow, London, England, assignor to Rotax Limited, London, England
Application February 15, 1946, Serial No. 647,842
In Great Britain December 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 14, 1964
5 Claims. (Cl. 74—801)



1. In a gear mechanism comprising a pair of bearings axially aligned relative to and spaced from each other, and a gear train including orbital gear means, the combination of members and portions of said train respectively adapted to be journaled by and to have thrust relation to said bearings, elements of the train between said bearings including sun and planet gear and planet-gear carrier element means disposed in radial floating relation to each other and to said orbital gear means, and means providing endwise support for a carrier element of said carrier-element means including means causing said portions to be biased in axially opposite resilient yieldable thrust relation to said bearings.

2,469,906
URETHRAL DILATOR
Frederick J. Wallace, New York, N. Y., assignor to American Cystoscope Makers, Inc., New York, N. Y., a corporation of New York
Application June 12, 1946, Serial No. 676,216
2 Claims. (Cl. 128—7)



1. In an instrument of the character described, a body, an endoscopic sheath connected to the body and having a lateral fenestra in its forward portion, a member dividing the interior of the sheath into a first compartment for the reception of a telescope and a second compartment for the reception of a flexible instrumentality, a deflector pivotally connected to the forward end of the member for directing an end of the instrumentality through the fenestra, rod means pivotally secured at one end to the deflector, a support mounted on the body, and oscillatory means including a lever pivotally connected to the support, said lever comprising a pair of arms and an actuating handle positioned intermediate the arms, and a pivotal connection between each arm and the other end of the rod means.

2,469,907
MOLD COMPOSITION
Burgess P. Wallace, Brooklyn, N. Y., assignor to Whitehead Brothers Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 22, 1946, Serial No. 692,377
1 Claim. (Cl. 22—188)

An unbaked green mold for casting difficultly oxidizable metals, consisting essentially of grains of highly refractory carbon of pre-selected grain sizes and between about 50 and 250, on scale set forth in the foundry sand grading classification of the American Foundrymen's Association, and containing a minor proportion, but at least about 5%, of bentonite intimately incorporated therewith and also between about 2% and 6% of an organic gummy adhesive belonging to the group consisting of dextrine and gum arabic, said mold having excellent "green bond" strength whereby the same is rendered capable of resisting disintegration or fracture during the formation thereof and especially during the removal of a pattern therefrom as well as during the initial pouring of the mold, and also having excellent "hot strength," whereby the same is rendered capable of resisting the erosive action of the molten metal and of preserving designs on the mold surfaces substantially unimpaired; and said mold being essentially sand-free, at least to a depth of about one-quarter inch below the inner surface thereof.

2,469,908
SYNTHETIC MOLD COMPOSITION AND METHOD OF MAKING SAME
Burgess P. Wallace, Brooklyn, N. Y., assignor to Whitehead Brothers Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 24, 1947, Serial No. 756,817
6 Claims. (Cl. 22—188)

3. A mold composition for metal-casting purposes consisting essentially of sharp silica sand grains which are individually externally coated with high melting-point pitch that is essentially free from volatiles and in which pitch coatings are embedded particles of refractory powdered carbon, the said mold composition containing a modicum of a clay-like bond, the particles of which are out of direct contact with said sharp silica grains and the amount of such refractory carbon present in the mold composition being sufficient to prevent the burn-on of the silica sand grains to a metal casting during the forming thereof in a mold formed with such mold composition.

2,469,909
ANTITIP CONSTRUCTION FOR BABY CARRIAGES
Helmer W. Wickman and George A. J. Racine, Gardner, Mass., assignors to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application November 17, 1945, Serial No. 629,210
6 Claims. (Cl. 280—47)

1. In a baby carriage, the combination with running gear, a carriage body, and spring means for resiliently supporting said body on said running gear, of a safety device including an elongated strut pivotally mounted at one end thereof at the upper portion of said carriage body, said strut being adapted to be swung upwardly about its pivotal mounting into an inoperative position and to be swung downwardly to its operative position so as to depend from said carriage body for engagement with the ground thereby substantially to immobilize said spring means, and means



for releasably maintaining said strut in both its operative and inoperative positions.

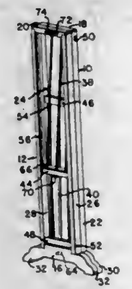
2,469,910
ELECTRICAL TESTING DEVICE FOR ATTACHMENT TO FLASHLIGHTS
Gottfried Carl Zachae, Norwich, Conn.
Application February 13, 1946, Serial No. 647,288
3 Claims. (Cl. 175—183)



1. A testing device for attachment to a flashlight having an open-ended casing of conducting material containing a battery, comprising, a cup-shaped cap providing a portion of conducting material adapted to be detachably secured over and to be electrically connected to the open end of the flashlight casing, a resilient conducting member insulatingly carried within said cap and having one end portion thereof extending outwardly from said cap so as to be adapted for engaging one pole of the battery, the other end of said member being normally disposed in contact with said cap, a manually operable push button mounted within said cap and operable from the outside of said cap to break the normal connection between said cap and said resilient member, first and second testing terminals each mounted upon the outer face of and insulated from said cap, said first terminal being electrically connected to said resilient member, a meter secured upon said cap, an electrical lead connecting one side of said meter to said resilient member, and an electrical lead connecting the other side of said meter to said second terminal.

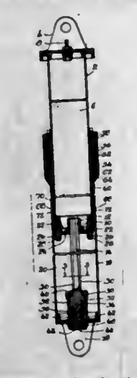
2,469,911
FOLDING CLOTHES RACK
Walter N. Applegate, Point Pleasant, N. J., and Charles A. Petersen, Brooklyn, N. Y.
Application May 17, 1946, Serial No. 670,591
8 Claims. (Cl. 211—178)

4. A folding clothes rack comprising a pair of substantially vertical standards movable toward and away from each other and each including a pair of generally parallel side frames, each standard being provided with elongated, vertical slots opening into the inner faces of the side frames, upper and lower crossbraces, said upper brace having an end pivotally mounted adjacent the top of one of said standards and said lower brace having an end pivotally mounted adjacent the bottom of the other of said standards and both braces having their opposite ends slidably mounted within the slots of the respectively opposite standard, the slidable end of said upper brace being formed to provide a shoulder adapted to abut against the top of its associated standard, and horizontal and vertical dowel pins on the



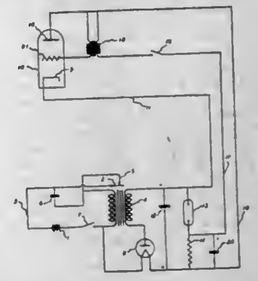
bottom of one of said standards alternately engageable in holes formed in the bottom of the other of said standards and in the movable end of said lower brace.

2,469,912
SHOCK STRUT
Fred E. Bachman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 26, 1944, Serial No. 537,478
22 Claims. (Cl. 267—64)



1. In an hydraulic shock strut, a bottom follower in the form of a cylinder comprising a high pressure chamber, a cylindrical metering pin chamber in the bottom of said cylinder, a cylindrical metering pin with a piston-like portion at one end thereof slidably fitted within said chamber, abutment means for limiting movement of said portion outwardly with respect to said second-mentioned chamber, resilient means for yieldingly urging said portion against said abutment means, a top follower in the form of a hollow piston having an internal low pressure chamber and a head slidably fitted within said high pressure chamber for vertical reciprocation therewithin, said head comprising a cylindrical opening affording communication between said high and low pressure chambers, said pin being slidably fitted at all times during extension and closure of the strut within said opening, longitudinal flutes in the perimeter of said pin extending from a point adjacent said piston-like portion thereof to the opposite extremity thereof and flaring toward said opposite extremity, a passage through said head spaced from said opening and affording communication between said high and low pressure chambers, and a flapper plate resiliently mounted on said head within said high pressure chamber for closing said passage on the closure stroke of the strut.

2,469,913
ELECTRONIC FLASH TUBE APPARATUS
Raymond B. Basham, Fort Worth, Tex., assignor to Westronics, Inc., Fort Worth, Tex., a corporation of Texas
Application February 15, 1947, Serial No. 728,912
1 Claim. (Cl. 315—238)



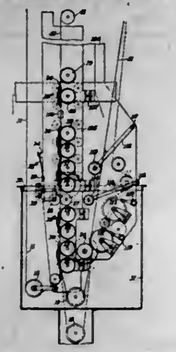
A flash tube unit comprising: a grid controlled flash tube, a high voltage direct current supply including positive and negative terminals, a positive lead connecting said positive terminal with the anode of said flash tube, a negative lead connecting said negative terminal with the cathode of said flash tube, an ignition coil including primary and secondary windings, said secondary winding being connected between the grid and the anode of said flash tube, a condenser connected between said primary and said negative leads, a voltage regulator comprising a gas filled discharge tube and resistor connected with each other in series and between said positive and said negative leads, and an ignition coil lead connected between said discharge tube and said resistor of said voltage regulator and with one end of said primary winding of said ignition coil, means connecting the remaining end of said primary winding of said ignition coil with the anode of said flash tube, a condenser connected between said positive lead and said ignition coil lead, and a switch within said ignition coil lead between said primary winding and the last said condenser.

2,469,914
PROCESS FOR PRESERVING PERISHABLES
Walter A. Bridgeman, Racine, Wis., assignor to S. C. Johnson & Son, Inc., Racine, Wis.
No Drawing. Application April 18, 1946, Serial No. 663,247
4 Claims. (Cl. 99—168)

1. A process for preserving perishables of the character of fruits and vegetables which comprises adding from about 0.5 to 3% by weight of a fungicidal agent selected from the group

consisting of orthophenylphenol, diphenyl, sodium salt of orthophenylphenol and mixtures thereof to an aqueous wax emulsion comprising a waxy component, water and an emulsifying component, agitating the wax emulsion sufficient to form a foam and applying the foam to the perishable.

2,469,915
APPARATUS FOR HANDLING MOTION-PICTURE FILM
John G. Capstaff, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 20, 1945, Serial No. 589,326
24 Claims. (Cl. 271—2.6)

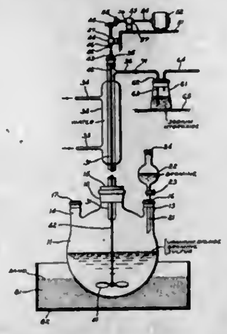


1. Apparatus for accurately registering two film strips having similarly dimensioned perforations along at least one edge and comprising a series of sprockets over which said strips are arranged to be moved in contacting relation, means for guiding said strips in a straight line relation over certain of said sprockets, and expansible teeth formed on at least one of said certain sprockets and extending through aligned perforations of said strips to fill said perforations in one direction to register said films.

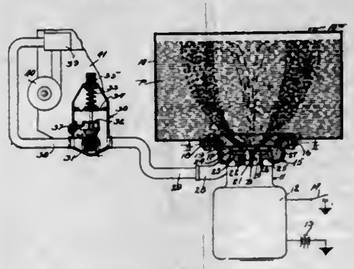
17. Apparatus for accurately registering two film strips having similarly dimensioned perforations along at least one border thereof and comprising a pair of spaced registering sprockets over which two film strips are adapted to be moved in contacting relation, means for guiding said strips over said sprockets and in engagement with the teeth thereof, means associated with said sprockets for tensioning said strips to register the latter longitudinally, and yieldable means associated with certain of the teeth of said sprockets for registering the strips laterally.

2,469,916
PROCESS OF PRODUCING URANIUM TETRABROMIDE
James M. Carter, Pasadena, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application August 4, 1944, Serial No. 548,118
8 Claims. (Cl. 23—14.5)

1. In a liquid phase process for preparing uranium tetrabromide, the steps comprising refluxing a reaction mixture containing a uranium oxide, sulfur and bromine so that sulfur bromide is formed and sulfur dioxide is given off, continuing said refluxing until uranium tetrabromide is formed in the reaction mass and thereafter separating uranium tetrabromide from said reaction mass.

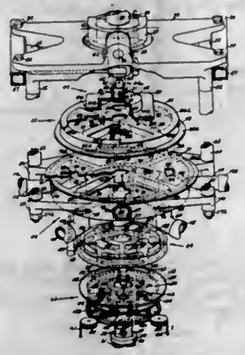


2,469,917
METHOD OF SEPARATING GASES FROM LIQUID FUEL
Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application August 11, 1941, Serial No. 406,277
3 Claims. (Cl. 183—2.5)



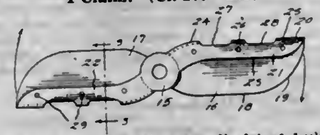
1. The method of eliminating vapor lock in an airplane fuel system and stabilizing volatile liquid fuel for high altitude performance which comprises providing a pond of volatile liquid fuel, flowing fuel under hydraulic head pressure from the pond, agitating the flowing fuel about to leave the pond while it is still in lateral communication with the pond to create a laterally outward flowing stream of bubble-rich liquid, diverting said stream away from the flowing fuel to the surface of the pond where the bubbles may burst to discharge their gases and vapors, recirculating the bubble-liberated fuel back to the flowing fuel, and pressuring said flowing fuel immediately after it has been agitated to a pressure sufficient to stop spontaneous separation of additional gas or vapor therefrom, whereby volatiles in the fuel which successfully become unstable at increasing altitudes are successively eliminated from the pond to provide a stable fuel for pressuring in fully liquid form.

2,469,918
VALVE CONSTRUCTION FOR GROUNDED AVIATION TRAINERS
Samuel Arthur Douglas, Union, N. Y., assignor to Link Aviation, Inc., a corporation of New York
Application November 30, 1945, Serial No. 631,906
7 Claims. (Cl. 35—12)



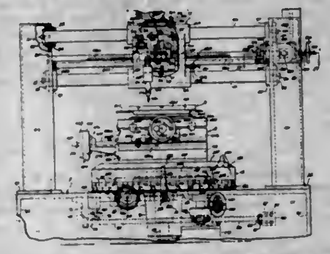
5. In a grounded aviation trainer of the type comprising a fuselage universally mounted with respect to a stationary base and four expansible-contractible bellows connected to said fuselage for pivoting the same, a valve comprising a flat surface, two pairs of ports in said flat surface, and a pneumatic connection between each port and a different one of said bellows, a plate arranged to substantially cover all of said ports when the plate is neutrally positioned, a vacuum chamber formed in said plate, a manually controllable member, and a connection between said manually controllable member and said plate arranged to move said plate in any direction radially of said flat surface dependent upon the direction of movement of said manually controllable member, whereupon said ports are selectively opened into said vacuum chamber and vented to the atmosphere.

2,469,919
PROPELLER
Joseph Fischer, San Diego, Calif.
Application October 18, 1944, Serial No. 559,309
1 Claim. (Cl. 170—165)



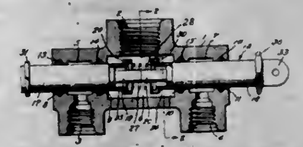
A propeller comprising a cylindrical hub, oppositely extending main blades overlying the rear end of said hub and extending radially therefrom, an auxiliary blade overlying each of said main blades on the forward side thereof, said auxiliary blade overlying the forward end of said hub and extending outwardly therefrom parallel to said main blade, spacers between said auxiliary blade and said main blade, the leading edge of said auxiliary blade being disposed rearwardly of the leading edge of said main blade, the trailing edge of said main blade extending rearwardly at least as far as the trailing edge of said auxiliary blade.

2,469,920
MACHINE TOOL
Ferdinand J. Henkel, Royal Oak, Mich., assignor to Lamina Dies and Tools, Inc., Berkley, Mich., a corporation of Michigan
Application September 16, 1944, Serial No. 554,356
2 Claims. (Cl. 90—58)



2. In a machine tool having a base with a vertical frame structure and a tool carrier mounted thereon, the combination of a turntable rotatably mounted on said base on a vertical axis of rotation, mechanism for rotating said turntable, a slide reciprocably mounted upon said turntable for motion diametrically thereof, mechanism for reciprocating said slide, a cross-slide reciprocably mounted upon said slide for motion transversely to said slide, mechanism for reciprocating said cross-slide, a rotary work-holder rotatably mounted upon said cross-slide, and a rotary indexing device operably interconnecting said work-holder and said cross-slide.

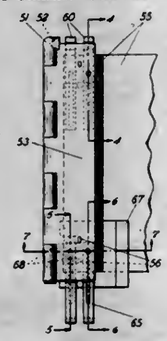
2,469,921
VALVE
George F. Hoge, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application March 7, 1945, Serial No. 581,411
1 Claim. (Cl. 251—76)



A valve including a valve body having three aligned chambers, a central chamber and two outer chambers, fluid passages extending through the walls of said valve body, one communicating with each chamber, transverse partitions in said valve body forming the end walls of each chamber, said end walls provided with aligned circular bores, a valve having cylindrical end portions mounted for axial movement in said bores, said cylindrical end portions proportioned to extend through the end walls of the outer chambers and to form a sliding fit with said bores, the edges of said bores each having a V-groove opening toward said valve member, a resilient elastic O-ring seal positioned in each of said grooves surrounding said valve member with a snug fit, the portion of said valve between said cylindrical end portions extending through said central chamber being of decreased diameter, a pair of sleeve followers mounted for limited movement on said central portion, said followers having outer di-

ameters corresponding to the diameter of said cylindrical end portions forming extensions thereof, the inner diameter of said sleeve being greater than the diameter of said central portion of said valve to form a passage therethrough, spring means urging said followers into abutting relationship with said end portions during a portion of the axial travel of said valve, stop means on each of said followers to limit the axial travel after said follower has passed under said O-ring seal, affording a flow path for fluid through said sleeve when said valve is in one extreme axial position, and affording a two-directional fluid-tight seal between adjacent chambers.
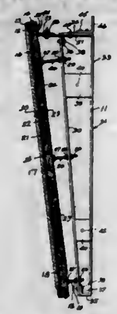
2,469,922
LOOSE-LEAF BINDER
Clarence Z. Hubbell, Endicott, N. Y.
Original application September 4, 1940, Serial No. 355,336. Divided and this application January 5, 1945, Serial No. 571,381
3 Claims. (Cl. 129—1)



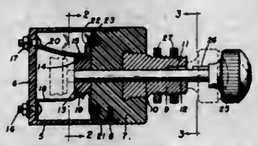
1. A loose leaf binder comprising a pair of spaced covers hingedly connected at one edge; oppositely projecting pins spanning the space between said covers for supporting a plurality of data sheets; and a pair of spring clips each having a short arm and a long arm for clamping said covers together, said spring clips being spaced along one pair of end edges of said covers with their long arms slidably mounted on respective covers, whereby the short arms of the spring clips may be selectively disengaged from the respective covers and interposed between adjacent data sheets to securely retain all of said sheets when said covers are opened.

2,469,923
MIRROR SUPPORT HAVING SPACING FRAME
Charles R. Jones, Berkley, Mich.
Application February 13, 1946, Serial No. 647,315
2 Claims. (Cl. 88—97)

1. A mirror support comprising a mirror frame, having frame members extending around the periphery of the mirror behind the edge thereof and forming a recess at the back of the mirror, a supporting frame structure spacing said mirror frame away from the wall and having inclined forward and vertical rear portions adjacent the mirror frame and wall respectively extending substantially the full height of the mirror, said frame structure having fastener receiving portions thereon for attachment to said wall, attachment members extending between the forward portion of said structure and the mirror frame for securing the mirror frame thereto, and a relatively thick layer of heat insulating material disposed behind said mirror in said recess formed by said mirror frame and the mirror and extending over the major portion of the rear surface of said mirror.



2,469,924
RHEOSTAT WITH SWITCH
John G. Kunz, Jr., Battle Ground, Wash.
Application February 6, 1947, Serial No. 726,929
16 Claims. (Cl. 201—55)



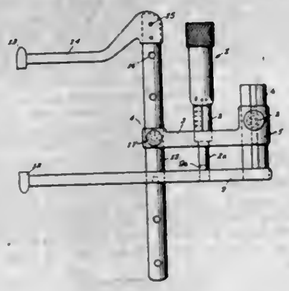
1. A circuit controlling device of the class described comprising a cylindrical housing, having an open end, a plug placed in the open end of said housing, a bore extending through the plug and into the housing, a key slot in the outer end of said bore, a shaft slidably and rotatably mounted in the bore, a key extending outwardly from the shaft to engage the key slot in the bore, a resistance coil mounted on the inner surface of the plug, a block mounted on the inner end of the shaft, and a rheostat contact arm carried by the block extending radially across the coil, said arm being movable around the coil by a rotation of the shaft when the shaft is pulled outwardly and said arm being locked against rotation out of contact with the coil when the shaft is pushed inwardly.

2,469,925
SPRING
Elmer Latshaw, Philadelphia, Pa., assignor to ACF-Brill Motors Company, New York, N. Y., a corporation of Delaware
Application October 17, 1944, Serial No. 559,005
7 Claims. (Cl. 267—47)



1. A spring comprising at least two adjacent leaves and having the metal of one leaf bent back upon itself adjacent an end thereof to form an eye with its axis located substantially in the medial plane of the leaf, the bent back metal being given a reverse bend adjacent the closure of the eye forming an extension of the metal of the eye underlapping said leaf and bearing upon the next adjacent leaf, and means immovably securing together said extension and overlapping leaf.

2,469,926
COMBINATION MICROMETER
Ray Layton, Muskegon, Mich.
Application June 7, 1946, Serial No. 674,999
3 Claims. (Cl. 33—164)



2. A combination micrometer having a graduated sleeve with the plunger extending therefrom, comprising a frame with a small hub at one end and a large hub at the other mounted on the end of the graduated sleeve and perpendicular thereto, a post having a keyway therein slidably mounted in the large hub at one end of the frame, means clamping the post in adjusted positions in the hub through the key in the keyway, and a long gage bar fixed at one end to one end of the post and having an opening therethrough, a contact member on the other end of said long gage bar, said long gage bar having a pin therein positioned to be engaged by the plunger extending from the micrometer, a gage rod having spaced depressions therein slidably mounted in the small hub of the frame and positioned in the opening of the large gage bar, means clamping said gage rod in the small hub, and a short gage bar having a contact member on the outer end thereof aligned with the contact member of the large gage bar and carried by one end of the said gage rod.

2,469,927
INFINITY SIGHT VIEW FINDER
Pompey Mainardi and Marcus N. Mainardi, Hawthorne, N. J.
Application August 6, 1947, Serial No. 766,678
9 Claims. (Cl. 88—1.5)



1. A view finder for finding a rectangular field defined by a geometrical pyramid having angular dimensions a by b each greater than 10° at the apex which corresponds to the eye position, comprising a block of light refractive material with parallel entrance and exit surfaces transverse to the central axis of the pyramid, a flat layer of non gaseous material with a refractive index between .10 and .25 less than that of the adjacent material of the block corresponding to each side of the rectangular field located obliquely in the block at the critical angle of refraction to the side of the pyramid in the block to transmit only light angularly within the pyramid characterized by tan A equaling

$$\frac{\sqrt{N_1^2-\sin^2 x}-N_1\cos x}{\sqrt{N^2-N_1^2(1-\cos x)}}$$

and tan B equaling

$$\frac{\sqrt{N_2^2-\sin^2 y}-N_2\cos y}{\sqrt{N^2-N_2^2(1-\cos y)}}$$

where A is the angle between the layer and said surfaces and N_1 the index of refraction of the layer for each of the a angle sides of the field, B and N_2 are the corresponding angle and index for the b angle sides of the field, N is the index of the block material adjacent to the layers, x is between

$$\frac{a}{4} \text{ and } a$$

and y is between

$$\frac{b}{4} \text{ and } b$$

2,469,928
GOLF TEE
John Mursch, Teaneck, N. J.
Application September 19, 1945, Serial No. 617,284
2 Claims. (Cl. 273—33)

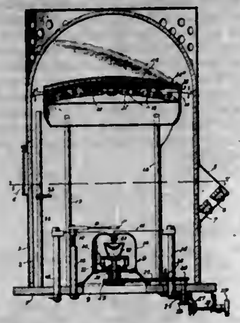


1. A golf tee comprising a flat base formed of sheet material and being of annular formation and encircling an open space, inner and outer marginal edges of said base being provided with downwardly projecting ground-engaging flanges, teeth extending downwardly from the outer flange and spaced from each other circumferentially thereof, and an arm extending upwardly from the inner edge of said base and disposed at an incline over the space encircled by the base and having a thick head at its free end constituting a ball-receiving seat disposed in a plane substantially parallel to the plane of the base.

2,469,929
APPARATUS FOR COATING ARTICLES
Harold Osterberg and Roger E. Matter, Buffalo, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association.
Application September 24, 1943, Serial No. 503,674
10 Claims. (Cl. 91—12.2)

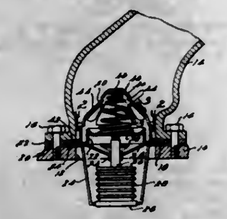
1. In a device of the character described, for use in adjustably positioning a crucible member in an evacuated chamber whereby the position of said crucible member may be adjusted without disturbing the vacuum in said evacuated chamber, said means comprising a support for said crucible member, a member for raising or lowering said support member, means connected with

said adjustable member and operable from without the evacuated chamber and means for



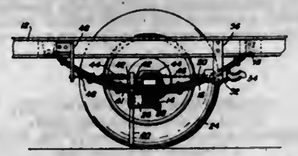
operating said adjustable member to adjustably position said support and crucible member.

2,469,930
AUXILIARY CONTROL DEVICE FOR THERMOSTATIC VALVES
Lambert M. Payne, Detroit, Mich., assignor to L. M. Payne Company, Detroit, Mich., a corporation of Michigan
Application March 12, 1945, Serial No. 582,351
2 Claims. (Cl. 236—34)



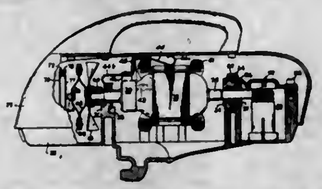
1. In an internal-combustion engine of the water-cooled type having a water-outlet connection removably secured to the cylinder head thereof and a thermostatic valve structure for controlling the flow of water through said connection including a member sealed with respect to the walls of said connection and forming a valve seat, a poppet valve in co-operative relation with respect to said seat and a thermostatic element co-operating between said valve and member to control the relative position of the valve with respect to the seat in accordance with the temperature of the water in said passage surrounding said element and tensioned at room temperatures to hold said valve against said seat, the combination of a spring seat member removably fixed in co-operating relation with respect to said seat-forming member and extending into overlying relation with respect to said valve, said spring-seat member being formed for substantially free flow of water therethrough and being provided with an outwardly directed annular flange clamped between a face of said water outlet connection and said seat-forming member, spring means held under compression between said spring-seat member and said valve constantly urging said valve toward closed position.

2,469,931
TRAILER TIRE DEFLATION SIGNAL
Charles T. Pratt, Solvay, N. Y.
Application September 26, 1947, Serial No. 776,361
3 Claims. (Cl. 200—58)



2. A circuit closer for use with a tire deflation signal apparatus, comprising a tie bar rotatably securable to an axle of a vehicle, said tie bar being sectional and adjustable as to length and having bearings on the ends of the tie bar, depending arms carried in said bearings, collars on said arms above said bearings and adjustable on the arms to vary the distance said arms depend beneath the axle, springs connected between upper portions of said arms extending above said tie bar and adjacent portions of the vehicle to bias said arms into substantially upright position, one of said springs having an electric switch connected therewith, said bearings being split bearings, and clamping bolts for said bearings, whereby said arms may alternatively be rigidly secured to the tie bar when desired.

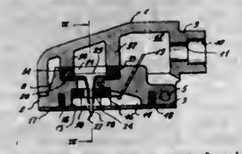
2,469,932
ELECTRIC MOTOR FOR FOOD MIXERS OR THE LIKE
John G. Ritter, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 6, 1947, Serial No. 766,774
7 Claims. (Cl. 172—36)



1. A motor comprising a rotor having a rotary shaft extending longitudinally of the motor, a bearing on the shaft, a stator core around the rotor, a casing around the stator core, the casing being divided into first and second longitudinally-extending parts, the first of the parts having formed therein seats for the bearing and the stator core, and a spring-supporting member attached to the first casing part, said member having springs contacting said bearing and said stator core for holding same in said seats, and means for securing said casing parts together.

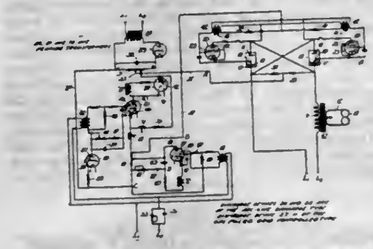
2,469,933
ELECTROMAGNETIC PICKUP
Harvey F. Schwarz, London, England
Application October 19, 1945, Serial No. 623,277
In Great Britain June 18, 1945
14 Claims. (Cl. 179—100.41)

13. In an electromagnetic phonograph pick-up, the combination of: a body member; a stylus assembly comprising a rock bar of channel shaped cross section, and a tubular stylus shank secured to said rock bar intermediate ends thereof at right angles to the length of said shank having a generally tapered form disposed with the larger



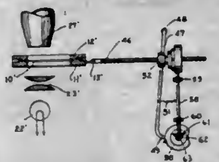
end at said rock bar, said shank having a substantially constant wall thickness along its length; and resilient mounting means interposed between each of the ends of said rock bar and said body for flexibly securing said stylus assembly to said body.

2,469,934
ELECTRONIC CONTROL FOR WELDING MACHINES
Julius L. Solomon, Chicago, Ill., assignor to Welding Research, Inc., Chicago, Ill., a corporation of Illinois
Application August 26, 1944, Serial No. 551,403
6 Claims. (Cl. 250—27)



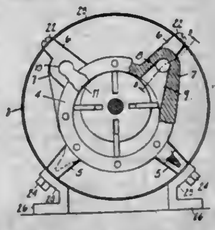
1. In a control system, a source of alternating current, a pair of electric discharge valves of the immersed-ignition type connected in anti-parallel between said source and the load, a control valve for firing each discharge valve when the control valve is conducting, and a sequence control circuit for alternately rendering said control valves conducting and nonconducting, said circuit including a source of direct current, a resistor, a first timing valve having a series connection with the resistor, said valve and resistor being connected across the source of direct current, a capacitor connected to be charged by current flow in said direct current circuit and in circuit relation with said timing valve for maintaining said valve nonconductive when said capacitor is charged, a discharge circuit for said capacitor, means for periodically producing a peak voltage capable of rendering the timing valve conductive provided said capacitor has discharged through its discharge circuit to a predetermined extent, whereby direct current flows through said circuit when the timing valve is conductive to render said control valves conducting, a second timing valve having a parallel circuit relation with said resistor, a capacitor electrically associated with said second timing valve and connected to be charged by current flow in the direct current circuit, other means for periodically producing a peak voltage capable of rendering the second timing valve conductive provided the second capacitor has charged to a predetermined extent, said second capacitor discharging through the second timing valve upon conductivity of the valve, and means energised by the conductivity of said second timing valve for interrupting the flow of current in the direct current circuit, whereby the control valves are rendered nonconducting.

2,469,935
GRAININESS METER HAVING TRANSVERSE AND OSCILLATORY MOVEMENT OF THE SPECIMEN
Monroe H. Sweet, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application May 17, 1945, Serial No. 594,250
2 Claims. (Cl. 88—14)



1. In an apparatus for determining the graininess of film or other light-transmissive specimen by repeatedly exploring an area thereof, a holder for said specimen between a light source and a light-responsive device, means for oscillating said holder in a plane transverse to the beam of said light source comprising a threaded rod attached to said holder, a lever pivoted at a fixed point, a rotatable cam engaging said lever, and a collar on said rod having a stud journaled in said lever for imparting movement to said rod upon rotation of said cam and means for progressively moving said specimen transverse to said beam while maintaining oscillation thereof comprising means rotatable in said collar and in threaded engagement with said rod and means for rotating said sleeve in unison with the rotation of said cam whereby the area explored is progressively extended over the entire specimen.

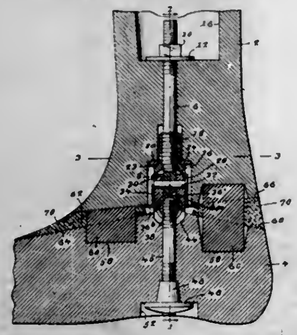
2,469,936
ROTARY PUMP
Paul C. Tabbert, Bridgman, Mich.
Application March 14, 1945, Serial No. 582,741
9 Claims. (Cl. 230—152)



6. A rotary pump comprising a cylinder body member having a plurality of angularly spaced outwardly projecting portions integral with the cylinder body member, one of said outwardly projecting portions having an inlet passage therein with a port opening to said cylinder, the other

having an outlet passage therein with a port opening to said cylinder, an open-ended housing constituting an air conduit surrounding said cylinder body member and mounted on said outwardly projecting portions, cylinder end members constituting end enclosure walls for the cylinder body member and secured thereto and provided with bearings, a rotor provided with fluid impelling elements and mounted within said cylinder body member, a shaft rotatably supporting said rotor and carried by said bearings, and supporting brackets engaging said housing opposite said outwardly projecting portions and secured thereto.

2,469,937
ARTIFICIAL LIMB
John M. Tachar, Dearborn, Mich.
Application October 4, 1946, Serial No. 701,275
4 Claims. (Cl. 3—7)



1. An artificial limb comprising a shin portion having a central opening therein, a single bolt extending downwardly through the opening, said opening being wide at its lower end, a bushing threaded upon the lower end of the bolt and extending into the enlargement of the opening, said bushing having a socket formation at its lower end, said bolt having an eye formation, a member having a semi-spherical formation fitting the socket formation of the bushing, a pin extending through the semi-spherical formation and the eye of the bolt, said member having a sleeve formation depending from the semi-spherical formation and a transverse bottom slot therewithin, rod means within the sleeve formation of said member, said rod means having a threaded transverse opening, a foot portion, a bolt extending upwardly through the foot portion and through the sleeve formation of the member and threadedly connected with the rod member within the sleeve formation of the member, cushioning means extending between the shin portion and the foot portion to limit the amount of adjustment of one portion relative to the other portion.

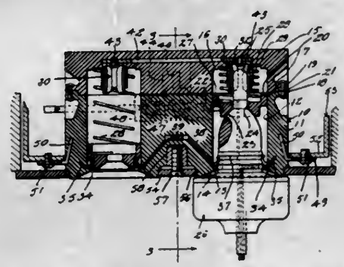
2,469,938
CABLE CLAMP
Nathan Tarnow, Detroit, Mich., assignor to Charles E. Lifka, doing business as Tomic Sales and Engineering Company, Detroit, Mich.
Application September 10, 1947, Serial No. 773,151
1 Claim. (Cl. 285—47.3)

In a cable clamp for clamping a cable to a surface having a hole through which the cable passes, said cable clamp consisting of two similar complementary halves, each half being in the form of an angularly bent sheet metal piece, including a base portion and a back portion, each base portion having its center part curved to fit closely around a cable, and having apertured wings on its ends, the back portions being spaced axially from said wings sufficiently to permit said surface to be disposed in front of said back portions and in back of said wings, and two screw bolts connecting the pairs of adjacent wings of the complementary halves to clamp them together around a cable, with the base portions in front of said surface, the back portions being so proportioned with respect to said hole that they can be entered through said hole, without the cable in the clamp, from the front of said surface, even when the halves of the clamp are interconnected by the bolts, the improvement



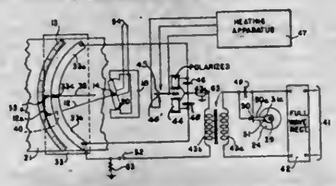
which consists in making the angle between the base portion and the back portion of each half being slightly less than 90°, whereby tightening of the bolts when the halves are around a cable rocks the halves so that their extremities first engage the back of said surface and the halves are held tightly against said surface, and stops formed from said halves or sections to project into the space between said base or body portions to engage and stop the end of an armor of an armored cable, while permitting the conductors thereof to pass said atops said stops being in the form of two pairs of lugs, disposed at the intersections of the bases and backs of the halves, one pair for each of the halves, with the lugs of each pair being relatively spaced laterally, and with all the lugs projecting rearwardly from the back portions and inwardly from the base portions.

2,469,939
ELECTRIC WALL SOCKET
Joseph C. Walton and Raymond R. Rundell, Miami, Fla.
Application September 24, 1945, Serial No. 618,128
2 Claims. (Cl. 173—330)



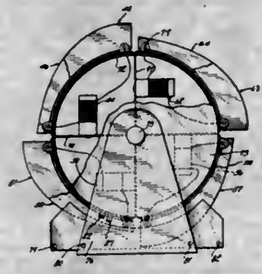
2. An electric socket for single plug connectors comprising an insulating body formed with a socket opening therethrough, a rear plate fixed to said body, a spring-pressed closure plate slidable in said socket, a contact member carried by slad body in said socket, a terminal member carried by said body connected to said contact member, a second terminal member carried by said body, resilient means releasably connecting said second terminal member to said inner contact, said means including a contact bar connected to said inner contact, and a resilient contact member on said body connected to said second terminal member engageable with said contact bar.

2,469,940
INDICATING, CONTROLLING, AND RECORDING INSTRUMENT
Edward H. Yonkers, Chicago, Ill.
Application October 16, 1944, Serial No. 558,939
6 Claims. (Cl. 346—74)



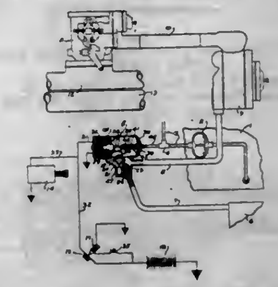
1. In a recording device comprising a pair of spaced electrodes, means for moving a record strip between said electrodes, means for moving one of said electrodes relative to the other electrode in accordance with a variable quantity to be recorded, means for impressing voltage pulses between said electrodes at spaced intervals and over different ones of a plurality of current paths, each of said voltage pulses being of sufficient magnitude to produce an electrical discharge between said electrodes, whereby a line of discharge points indicative of variations in the relative positions of said electrodes is produced on said record strip, and control means including circuit elements serially included in different ones of said paths, said control means being selectively responsive to the energization of different ones of said circuit elements as said pulses are impressed between said electrodes over different ones of said paths.

2,469,941
TUNING CONTROL AND BAND SWITCHING ARRANGEMENT
Hardin T. Abrams, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application March 5, 1946, Serial No. 652,156
2 Claims. (Cl. 250—40)



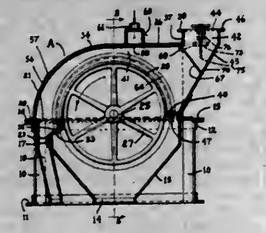
1. A tuning control and band-change arrangement for radio sets and the like, comprising a rotatable drum of conductive material, a first inductance coil carried interiorly of said drum and rotatable as a unit therewith, a first condenser rotor plate insulatingly mounted on the external periphery of said drum and electrically connected to one terminal of said first inductance, a second condenser rotor plate insulatingly mounted on the external periphery of said drum and electrically connected to another terminal of said first inductance, said first and second plates being of similar segmental shape and of co-extensive circumferential length around the periphery of said drum but being displaced from each other longitudinally of said drum, a second inductance coil carried interiorly of said drum and rotatable as a unit therewith, a third condenser rotor plate insulatingly mounted on the external periphery of said drum and electrically connected to one terminal of said second inductance, a fourth condenser rotor plate insulatingly mounted on the external periphery of said drum and electrically connected to another terminal of said second inductance, said third and fourth plates being of similar segmental shape and circumferential extension around the periphery of the drum with the third plate in circumferential alignment with the first plate and the fourth plate in circumferential alignment with the second plate, respective stator condenser plates for said rotor plates fixedly mounted adjacent said drum, commutator means carried by said drum for connecting each of said inductances and their respective electrically connected rotor plates to a common utilization circuit, and a single control shaft for rotating said commutator and said drum to effect continuous band-change and tuning within each band.

2,469,942
CONTROL FOR FUEL SUPPLY SYSTEMS
James Fred Armstrong, Detroit, Mich., and James T. W. Moseley, Clayton, Mo., assignors to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application March 13, 1947, Serial No. 734,434
8 Claims. (Cl. 123—179)



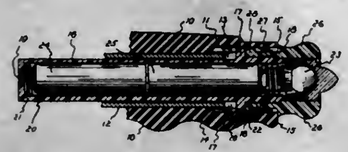
8. In combination with an internal combustion engine having a self-starter circuit, a pressure lubricating system, a source of fluid fuel normally stored under pressure, and a duct connecting said source with the engine, a safety valve controlling said duct, a drainage port and valve controlling the same in said duct between said safety valve and the engine and means operable responsive to the energizing of said starter circuit or the existence of normal pressure in said lubricating system to open said safety valve and close said drainage port said means functioning to close said safety valve and open said drainage valve when said starter circuit is not energized and subnormal pressure exists in said lubricating system.

2,469,943
HORIZONTAL ROTARY SCALPER
Archie Axell, Minneapolis, Minn., assignor to Haaky Manufacturing Company, St. Paul, Minn., a corporation of Minnesota
Application December 9, 1944, Serial No. 567,372
1 Claim. (Cl. 209—288)



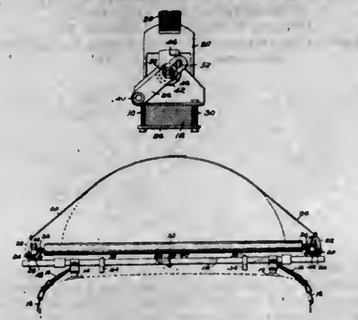
A rotary scalper including a frame, a cylindrical screen, a shaft supported by said frame, spaced open spiders on said shaft for supporting said screen for rotation about a horizontal axis, a seal engaging against the screen on opposite sides thereof, an enclosure for said screen, a pair of baffles on said enclosure extending into close proximity with the upper portion of the screens between said seals, flange means on the screen near the ends thereof and arranged in overlapping relation with the baffle means, means for rotating said screen, one of said seals acting as a grain support and the other of the seals acting to strip from the surface of the screen material carried thereby, and a hopper beneath said screen to receive material passing through said screen, said hopper enclosing the lower portions of the ends of said screen and spaced therefrom to receive material passing through said spiders.

2,469,944
SIGNALING DEVICE FOR CYCLES AND THE LIKE
Joseph Philip Bauters, Chicago, Ill.
Application August 13, 1947, Serial No. 768,331
6 Claims. (Cl. 177—329)



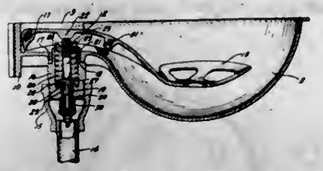
6. In a signaling device an elongated tubular non-conductive casing, said casing having external threads at one end thereof; a pair of projecting studs on said casing; said casing being adapted to hold batteries therein; a yieldable spring-like socket in said casing adapted to receive a light globe; a circuit wire adapted to connect said socket with the battery terminal at the opposite end of said casing; a flanged head adapted to permit seeing of a light therein and rotatably threaded on the threads of said casing, the rotation of said head being adapted to press a light globe inwardly to cause such globe to contact the central terminal of a battery and to close the battery circuit.

2,469,945
LOAD HANDLING ATTACHMENT FOR AUTOMOBILES
Daniel L. Brei, Cambridge, Mass., assignor to Wesbar Stamping Corporation, West Bend, Wis., a corporation of Wisconsin
Application October 3, 1944, Serial No. 557,025
8 Claims. (Cl. 193—42)



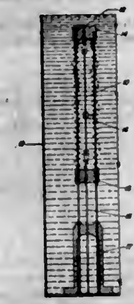
1. In a load handling apparatus for attachment to the roof of a car, the combination of a horizontally disposed, load supporting roller, spindles projecting from the ends of said roller, arms which support said spindles, and fixed brackets on which said arms are pivoted to swing about a horizontal axis from an elevated position to a lowered position and to carry said roller from an elevated, operating position to a lowered, non-operating position, said brackets having downwardly directed attaching means constructed for support above the roof of the car, said arms being provided with slots providing for movement of said roller toward and from said axis during swinging movement of said arms about said axis.

2,469,946
STOCK WATERING BOWL
Harry E. Bremer, Milwaukee, Wis.
Application September 28, 1944, Serial No. 556,169
1 Claim. (Cl. 119—75)



In a stock watering bowl assemblage including a bowl and a water supply pipe connected with the bowl, a chambered member in said pipe provided with a pair of axially spaced ports, a main valve controlling one port, an auxiliary valve controlling the other port, said valves being movable in opposite directions to open their respective ports, the auxiliary valve being so constructed that when it is seated with respect to its port it provides a pervious closure to permit the passage of a trickle of fluid, a valve rod spacedly carrying both valves and axially reciprocatably movable relative to the chambered member and ports, a spring for normally holding the valve rod at one limit of its range of movement and for urging it in a direction wherein the main valve is seated relative to its port and the auxiliary valve is removed from its port, and an animal operated lever member movably mounted in the bowl and engageable with the valve rod to move it in a direction opposite to the last described direction to a selected position within certain limits for the establishment of a predetermined positional relationship between both valves and their ports for the control of fluid flow from the pipe into the bowl, the limit of movement of the valve rod caused by the operation of the lever member providing for an unseating of the main valve relative to its port and for the seating of the auxiliary valve relative to its port whereby a trickle of fluid may pass into the bowl, and an intermediate position of the valve rod caused by the operation of the lever member providing for an unseating of both valves relative to their ports to permit a full flow of fluid into the bowl.

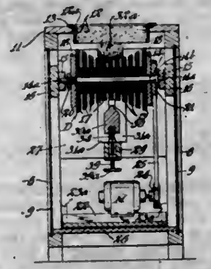
2,469,947
PRODUCTION OF EXTREMELY THIN FILAMENTS
Frank G. Brockman, Woodbury, and John W. Wescott, 2nd, Chatsworth, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application April 13, 1944, Serial No. 530,950
1 Claim. (Cl. 204—12)



In a method of producing an extremely thin nickel filament by plating nickel on copper foil to a thickness of 0.1 micron, cutting the plated foil to form a ribbon having the length and width of the desired finished filament, and dissolving the copper foil from the nickel filament by submerging the composite ribbon in a bath formed of an aqueous solution of a cyanide of an alkali metal, the improvement which comprises securing the ribbon to a platinum frame in conducting relationship therewith before it is submerged in the bath to form a voltaic couple, whereby on submerging the frame and ribbon in a bath the copper will be dissolved and bubbling occasioned by liberation of hydrogen during dissolution of the copper will occur only at the platinum electrode of the voltaic couple.

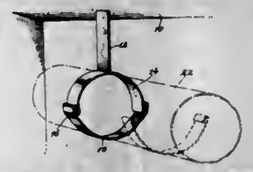
2,469,948
BOWLING BALL CLEANER
Edwin O. Bune, Anoka, Minn.
Application August 28, 1944, Serial No. 551,502
5 Claims. (Cl. 15—97)

5. A ball-cleaning machine having in combination a spool-shaped rotary brush mounted on a horizontal axis, said brush being composed of a series of circular, axially aligned cleaning elements of decreasing diameter from each end to the central portion of said brush, each comprising a multiplicity of compressible, superimposed piles of flexible material cut in circular form and having their medial portions secured together and thereby slightly compressed, with their edges forming in combination, a substantially continuous ball-engaging surface, means for clamping



said several elements together to form a spool-shaped brush with the peripheral contour thereof corresponding to the spherical periphery of a ball, means for rotating said brush at high speed and a supporting cradle for holding a ball above said brush, said cradle having yieldable supporting elements whereby the lower portion of the ball will be engaged by the periphery of said brush.

2,469,949
PIPE SUPPORT CLAMP
Paul C. Cantrell, Berkeley, Calif.
Application October 29, 1945, Serial No. 625,199
3 Claims. (Cl. 248—58)



1. A pipe hanger which comprises a support, a first resilient, semi-circular, metal band secured to said support, an outwardly turned lip disposed on each end of said band, a second resilient, semi-circular, metal band, and an inwardly turned lip disposed at each end of said second band, whereby the lips on said bands may be brought into locking engagement and then bent in toward the pipe to shorten the inner circumference of the joined bands from a length greater than the circumference of said pipe to a length slightly shorter than said circumference.

2,469,950
HAMMOCK SUPPORT
Louis Carl, Brooklyn, N. Y.
Application May 7, 1947, Serial No. 746,546
6 Claims. (Cl. 5—129)

3. A hammock support comprising: a base composed of a plurality of successively overlapping sections all of which are formed from channel beams, one of each two overlapping sections having channel beams thereof arranged with their flanges in edge abutting relation and weld-

ed together to form a tubular structure and the other having its channel beams spaced apart a distance substantially equal to the thickness of such tubular structure to permit the tubular structure to lie between them, one of each two overlapping sections being provided at its upper and lower edges with stops spaced longitudinally of such section while the overlapping section is provided with at least one notch adapted to engage one of said stops while the end of said section engages the other stop to permit of assembly of the sections when in angular relation to one another and to lock said sections against longitudinal movement when in alinement with one another, a transverse foot at the outboard end of each terminal section to hold said sections in upright position, upwardly divergent posts each intermediate the ends of each terminal section and brackets detachably telescoped with respect to the said posts and provided at their upper ends with attaching means for the opposite ends of a hammock.



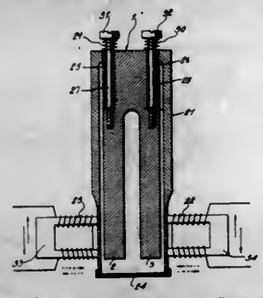
2,469,951

TUNING FORK AND CONTROL SYSTEM

Austin G. Cooley, New York, N. Y., assignor to Times Facsimile Corporation, a corporation of New York

Application October 10, 1945, Serial No. 621,403

21 Claims. (Cl. 84—457)



1. A frequency control device comprising an evacuated housing, a tuned vibratory member hermetically sealed through a wall of said housing with a portion thereof interior of the housing and with a portion exterior of the housing, a passage-way in said member but accessible from the exterior of said housing, and an adjusting member in said passage-way and accessible from the exterior of said housing for mechanically adjusting the natural frequency of said vibratory member.

2,469,952

PENCIL POINT SHARPENER

Antonio Cornish-Bess, Santiago, Chile

Application June 16, 1945, Serial No. 599,881

3 Claims. (Cl. 120—91)

3. A pencil point sharpener for mechanical pencils, said sharpener comprising a sleeve reversibly mounted in the barrel of a mechanical pencil, a sharpening member affixed at an end of said sleeve, said sharpening member having an annular groove formed therein which is cone-shaped in cross-section and which has abrasive walls, said sharpening member having an apertured disc rotatably mounted thereon coaxially therewith, the apertures in said disc being of different diameters which respectively correspond to the diameters of pencil points of different thicknesses, said apertures being arranged on a circular line which registers with the circular axis of the groove.



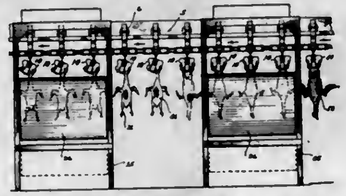
2,469,953

DEFEATHERING POULTRY

Elmer M. Davis, St. Paul, Minn., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois

Application September 8, 1944, Serial No. 553,185

11 Claims. (Cl. 17—45)



1. A method of defeathering poultry comprising mechanically suspending a carcass in a predetermined vertical position, conveying the same along a predetermined fixed path past a picking station, applying a picking force in one direction with respect to the lay of the feathers to substantially the entire area of the carcass at said picking station, thereafter again mechanically conveying said carcass, while suspended in a predetermined vertical position, along a predetermined fixed path past a picking station and applying a picking force thereto in the opposite direction with respect to the lay of the feathers to substantially the entire area of the carcass while at said picking station.

2,469,954

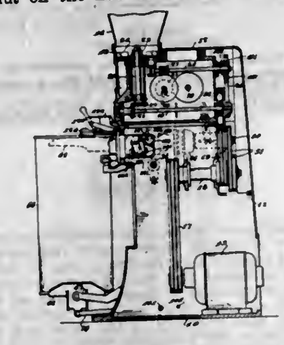
APPARATUS FOR PACKAGING MATERIAL

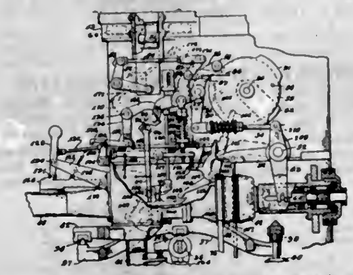
Neill E. Dorrington and John A. Dyker, Oswego, N. Y., assignors to St. Regis Paper Company, New York, N. Y., a corporation of New York

Application December 23, 1942, Serial No. 469,890

19 Claims. (Cl. 249—56)

15. In apparatus for filling valve bags, a scale adapted to be locked in fixed position and releasable for weighing action, a hopper mounted on said scale, a filling spout, a manually operable clamp for securing a bag to said spout, means including a material feeding screw for feeding material from the hopper through the spout into a bag held on said spout, a timing device, flow control means operatively associated with said timing device whereby a bulk flow of material is maintained to said hopper for a predetermined bulk flow period, means controlled by said timing device for governing said flow control means to maintain a dribble flow after said bulk flow, means controlled by said timing device for releasing said scale for weighing action during a predetermined weighing period commencing at the end of said bulk flow period, means for locking said scale at the end of said weighing period, primary means controlled by the scale normally to shut off the flow of material to the hopper during said weighing period in response to a full charge having entered the hopper, clamp opening means controlled by said timing device and said scale for automatically opening said clamp in response to a full charge entering the hopper, secondary means controlled by said timing device for actuating said flow control means to shut off the flow of material a predetermined length of time after the expiration of said weighing period, said secondary means being effective only when said primary means have failed to shut off said flow, and means for rendering inoperative said clamp opening means in response to a dribble feed position of said flow control means.





2,469,955

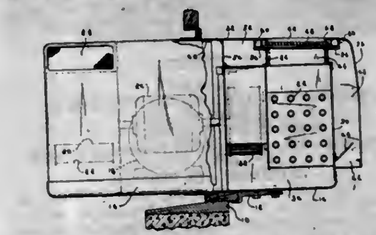
GRILLE ASSEMBLY FOR AIR-CONDITIONING APPARATUS

Arthur H. Eberhart, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 25, 1944, Serial No. 560,266

3 Claims. (Cl. 98—40)

1. In an air conditioning unit, a heat exchanger, a duct leading from said heat exchanger, a support adjacent the free end of said duct, a compressible cushion member carried by said support, a grille carried by said cushion member in registration with said end of said duct, a compressible U-shaped resilient member also carried by said cushion member adjacent the periphery of said grille, a cover abutting the limbs of the U-shaped member and at least partially enclosing said grille, said heat exchanger, and said duct, there being an opening in said cover registering with said grille and said end of said duct, and said cover having a pendant flange surrounding said opening and abutting against said grille, said parts being constructed and arranged for flow of air successively through said heat exchanger, said duct, said grille and said opening in the cover.



2,469,956

CENTRIFUGAL SEPARATOR

Harold William Fawcett, Harrogate, England

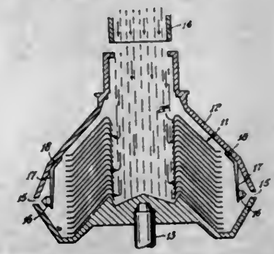
Application January 13, 1947, Serial No. 721,697

In Great Britain January 9, 1946

Section 1, Public Law 690, August 8, 1946

Patent expires January 9, 1966

2 Claims. (Cl. 233—43)



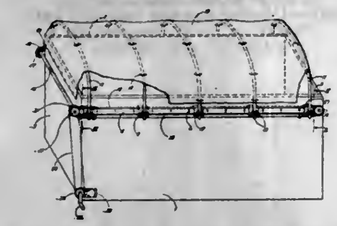
1. A centrifugal separator which comprises; a revoluble separator bowl having a plurality of valve-controlled apertures for washing liquid positioned in the periphery thereof; a pack of frusto-conical discs disposed in said bowl in spaced superposed relationship with respect to one another, said discs being formed with center holes therein, and said center holes in said discs being arranged, one above the other, so that a substantially cylindrical space extending axially of said bowl, through said superposed discs, is provided; and means for introducing a washing liquid into said substantially cylindrical space so that said liquid flows downwardly, through said cylindrical space, directly onto the inner edges of said superposed discs; the inner edge portions of each of said discs of said pack of discs, adjacent said cylindrical space extending axially

of said bowl, being bent downwardly so that it extends at an acute angle to the adjacent portion of said disc surface, the distance between terminal edges of said bent-over edge portions of adjacent discs being less than the distance between adjacent discs as they are arranged, one above the other, in said pack, whereby entry of washing liquid into the spaces between said superposed discs, at the terminal edges of said bent-over edge portions defining said substantially cylindrical space, is baffled and restricted.

2,469,957
DUSTING POWDER AND METHOD OF MAKING SAME
James E. Fenn, Baldwin, N. Y.
No Drawing. Application December 9, 1946, Serial No. 715,131
13 Claims. (Cl. 260—209)

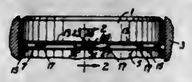
1. The method of treating starch which includes the steps of acidifying dry starch with a volatile acid admixed with a minimum amount of water which will give a pH in a range of approximately 1.8 to 4, introducing formaldehyde into the acidified dry starch in such concentration as to prevent gelatinization of starch granules, applying heat and continuous agitation until a sample withdrawn from said acidified-heated starch will withstand boiling in water for at least 15 minutes without swelling or gelling, and removing the last traces of free formaldehyde.

2,469,958
MOTOR VEHICLE COVER
Roy H. Fowler, Beaver Falls, Pa.
Application January 18, 1948, Serial No. 641,881
3 Claims. (Cl. 296—105)



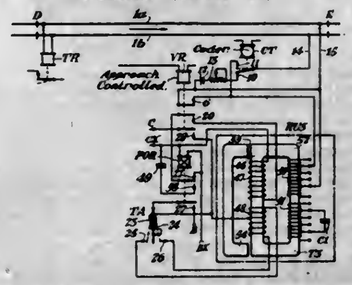
2. A vehicle cover comprising a pair of spaced horizontal rails each in the form of a tube having a slot extending lengthwise of it, a plurality of normally spaced short pipe sections slidably mounted inside of each rail, a substantially horizontal pipe below each rail, vertical plates rigidly connecting the pipes to the rails above them and adapted to be mounted on opposite sides of a vehicle, a bracket secured to the side of each pipe section and extending out through the slot in the adjoining rail, the thickness of said bracket being materially less than the width of the slot to permit the adjoining pipe section and rail to turn relative to each other, parallel ribs extending across the space between the rails and overlapping the upper surfaces of the outer ends of said brackets, said overlapping ends of the ribs and brackets being provided with aligned openings extending transversely and downwardly therethrough, a fastening member extending through each pair of said aligned openings for flexibly connecting a rib and bracket together, a tarpaulin supported above said space by the ribs to which it is attached, bearing members rigidly connected to the opposite ends of said rails, sprockets rotatably mounted in said bearing members, endless chains extending around the sprockets, each chain having an upper strand extending lengthwise through the adjacent rail and the pipe sections therein and having a lower strand extending through the pipe below, the upper strands of the chains being connected to said pipe sections at one end of the rails, and means for turning the sprockets to cause the chains to slide said pipe sections toward one end of the rails for moving the tarpaulin-supporting ribs toward that end to uncover the vehicle.

2,469,959
PISTON RING
Elihu E. Frazier, St. Louis, Mo., assignor to The Gill-Owen Company, Litchfield, Ill., a corporation of Illinois
Application December 12, 1945, Serial No. 634,440
5 Claims. (Cl. 309—45)



1. A multi-piece piston ring assembly comprising a ring of axially waved shape composed of crests and troughs and having a gap, a second ring lying adjacent the first ring and engaging the crests of said waved shape, said second ring having two adjacent ends, an offset portion near one of said ends and lapping the other end, and an angled extension from said offset portion engaging a trough in the waved shape.

2,469,960
RAILWAY TRACK CIRCUIT APPARATUS
Robert M. Gilson, Pittsburgh, and Paul N. Martin, Penn Township, Allegheny County, Pa., assignors to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application April 24, 1946, Serial No. 664,474. Divided and this application November 14, 1947, Serial No. 785,966
3 Claims. (Cl. 246—34)



1. In a track circuit for a track section, the combination comprising, a normal source of alternating current, a stand-by source of alternating current including a tuned alternator and a source of direct current, a transformer having a non-saturating core leg carrying a first and a second primary winding and a saturating core leg carrying a first and a second secondary winding and a shunt magnetic leakage core leg, said first secondary winding connected across the rails of said section to supply current to said track circuit, a capacitor connected across said second

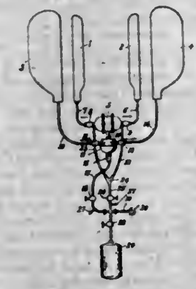
secondary winding, a power-off relay operable to a first position when energized and biased to a second position when deenergized and said relay having connections to said normal source of alternating current to energize the relay as long as said normal source is active, a first circuit means including a first position contact of said power-off relay connected to said normal source to connect the normal alternating current source to said first primary winding, and a second circuit means including a second position contact of said power-off relay to connect said stand-by source of alternating current to said second primary winding.

2,469,961
KNIT GOODS AND THE LIKE, AND METHODS
Lawrence W. Gottschalck, Riverdale, N. Y.
Application April 17, 1947, Serial No. 742,118
11 Claims. (Cl. 2—239)



6. Contoured seamless hosiery having a guide line down the back thereto substantially defining the center of the back, said guide marking corresponding substantially to the contour of the back of a boarding form and being composed of a non-fugitive fluorescent material which is substantially invisible in ordinary light but visible under special radiation with reduced visible illumination.

2,469,962
PNEUMATIC SUSPENSION MEANS FOR VEHICLES
Rene Gouirand, New York, N. Y.
Application March 2, 1945, Serial No. 580,655
3 Claims. (Cl. 267—11)



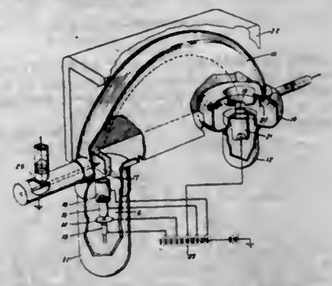
1. In a pneumatic suspension means for vehicles, a pair of upper air cushions, a pair of lower air cushions, a compensating device including a chamber divided into three compartments by a pair of spaced flexible diaphragms, the two upper cushions being connected by conduit means into the central one of the three compartments, each of the lower cushions being connected by conduit means into one of the other two compartments, whereby an expulsion of air in the upper cushions will expand the side walls of the central compartment to cause air in the two other compartments to be forced therefrom toward and into the lower cushions, valve means located between the lower cushions and the compartments to which said lower cushions are connected for causing slow return flow of said air into said compartments, and a valve located between the central compartment and the two upper cushions for causing equalization of pressure in said two cushions.

2,469,963
HEATING UNIT
Harry W. Grosjean and Elmer M. A. Sizer, Milwaukee, Wis.
Application June 19, 1946, Serial No. 677,768
1 Claim. (Cl. 257—124)



In a wall or ceiling having its plaster removed for predetermined distance to expose the joists and form a chamber; the combination of a heating unit comprising a widely corrugated plate for closing the chamber, and a coil of pipe having its stretches secured to the high points of said corrugations whereby condensation from the pipe is drained off into the gutters or lower points of the widely spaced corrugations to keep said pipes clear of fluid, whereby the maximum heat is maintained, the said chamber being filled with asbestos.

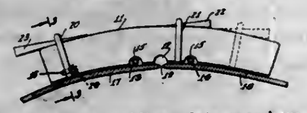
2,469,964
ELECTRON DISCHARGE APPARATUS
Paul L. Hartman, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 3, 1941, Serial No. 391,689
11 Claims. (Cl. 250—27.5)



1. Electron discharge apparatus comprising an input element having spaced members defining an input gap, means for projecting a stream of electrons through said gap, means for directing the electrons in said stream along an arcuate path after the electrons leave said gap, an output element inductively energizable by said electron stream having an output gap positioned substantially 180 degrees from said input gap along said arcuate path, and means for producing a periodic grouping at said output gap of the electrons in said stream including means for impressing upon said electron stream while traversing the input gap a cyclically varying velocity compo-

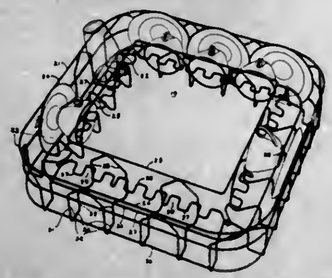
nent normal to the direction of projection of the electron stream into said input gap and substantially in the direction of a line connecting said input and output gaps.

2,469,965
ALIGNING CLAMP FOR WELDING
Donald C. Holt, Oradell, N. J., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application January 29, 1946, Serial No. 644,086
4 Claims. (Cl. 113—99)



1. A device for holding plate members preparatory to welding along adjoining edges comprising an elongated strap member adapted to be set on edge transversely across the gap between said members, said strap member having a longitudinally curved narrow side coinciding with the desired curvature in the assembled plate structure transversely of said edges and having an elongated longitudinally extending slot through the side thereof, U-shaped members adapted to freely straddle said strap member and be welded at their ends to said plate members, at least one U-shaped member being provided for each plate member, and tapered pins adapted to be driven between the closed end of said U-shaped members and the outer edge of said strap, to conform the curvature of said plate members to the curvature of said strap member, and through said slot between an end thereof and a side of said U-shaped member to adjust the spacing between said adjoining edges, the connection between said slot and its associated pin and U-shaped members being yieldable to permit creepage of the plate member with respect to the strap member as a result of shrinkage in the welded joint upon cooling.

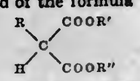
2,469,966
DISH SUPPORTING RACK STRUCTURE
James G. Idle, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 31, 1945, Serial No. 613,768
5 Claims. (Cl. 211—71)



1. In a dish-supporting rack, the combination of spaced first and second generally horizontal wires, said second wire being disposed below and to one side of the first wire and defining a support for a conventional teacup, a member having a plurality of spaced fingers defining recesses therebetween, said fingers extending from adjacent the first wire toward the second wire and terminating in spaced relation therewith, the spacing of said fingers being such that the intervening recesses defined thereby are positioned to receive the rim of said teacup, and means securing said wires and said member together.

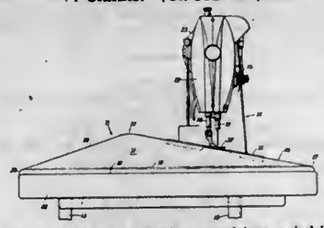
2,469,967
CYCLOPENTANO PERHYDROPHENANTHRENE COMPOUNDS
Emil Kaiser and Jerry Svarz, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 17, 1946, Serial No. 662,930
8 Claims. (Cl. 260—397.1)

1. A compound of the formula



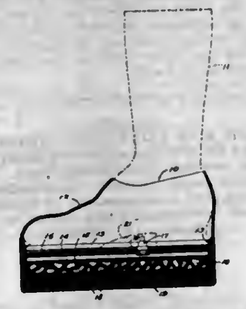
where R is a cyclopentano perhydrophenanthrene structure, R' is adrenalin and R'' is a structure chosen from the group consisting of hydrogen and adrenalin.

2,469,968
SEWING-MACHINE TABLE
Charles A. Kessler, Plainfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application November 28, 1945, Serial No. 631,336
7 Claims. (Cl. 311—12)



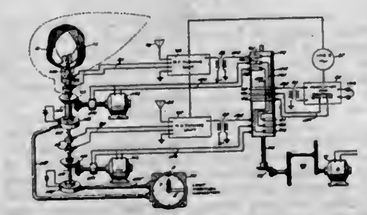
7. In a table for a sewing machine, a table-top comprising a first supporting surface of extended area inclined upwardly from the front toward the rear of the table and so constructed and arranged as to support a complete sewing machine, a second supporting surface of extended area declining toward the rear of the table and so constructed and arranged as to facilitate movement of work away from the sewing machine, and a third supporting surface of extended area sloping upwardly from the left side of the table, so constructed and arranged as to facilitate the movement of work toward the sewing machine and to support the left arm of an operator; the said first supporting surface merging with the said second supporting surface by way of a first horizontally extending rounded edge, and the said third supporting surface merging with the said first and second supporting surfaces by way of second and third inclined rounded edges respectively; the first edge being spaced slightly rearwardly from the back edge of the sewing machine, the second edge being spaced to the left of the sewing machine, and the third edge being spaced rearwardly of the second edge.

2,469,969
IMPACT ABSORBING ARTICLE OF FOOTWEAR
Clement T. Lee, Cleveland, Ohio
Application June 9, 1947, Serial No. 753,458
8 Claims. (Cl. 36—7.8)



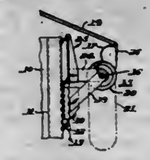
1. An overshoe of the class described comprising an enclosing member made of an elastic material and adapted to be removably engaged with the foot portion of a shoe, said enclosing member being of such normal size as to be expanded when engaged with a shoe to compress against it tightly, said enclosing member having a downwardly directed shoulder formed on its interior spaced from the lower portion thereof, a plate member positioned in said enclosing member and engaged with said shoulder to be retained against upward movement thereby, a rubber pad positioned within said enclosing member below said plate member but not filling such space completely, an inflatable member positioned around said rubber pad, and means for inflating said inflatable member so that the pressure therein can be controlled to vary the load supporting and shock absorbing characteristics of the overshoe.

2,469,970
DIRECTIONAL RADIO RECEIVER SYSTEM
William P. Lear, North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Original application November 27, 1939, Serial No. 306,315, now Patent No. 2,379,363, dated June 26, 1945. Divided and this application August 28, 1943, Serial No. 500,332
16 Claims. (Cl. 343—117)



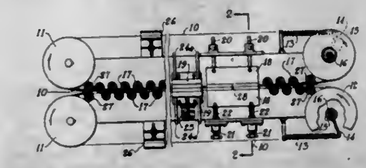
1. The method of radio guidance which comprises transmitting signals of different radio frequencies from a plurality of points; directionally receiving the different radio signals separately by the manipulation of a like plurality of antennas; successively connecting the separately received radio signals to a common system for amplifying them; deriving therefrom independent directional bearings on each of the points of radio transmission; and continuously maintaining each of such bearings.

2,469,971
APPARATUS FOR REMOVING ICICLES FROM THE EAVES OF BUILDINGS
Benjamin F. Liston, Garrettsville, Ohio
Application April 21, 1947, Serial No. 742,980
4 Claims. (Cl. 108—1)



1. An icicle breaker for an eave projecting beyond a wall of a building and having a laterally extending edge, comprising spaced brackets mounted on the building, a shaft mounted on said brackets, said shaft being spaced from the edge of the eave below said edge and inwardly of said edge toward the wall, and a vane mounted on the shaft and having an edge adapted to swing closely past the edge of the eave when the vane is rotated.

2,469,972
MACHINE FOR WELDING THERMOPLASTIC FILMS
Robert D. Lowry and William Roland Church, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application February 23, 1945, Serial No. 579,440
6 Claims. (Cl. 154—42)



1. A machine for welding superposed layers of thermoplastic films, comprising a pair of opposed flexible endless metal tapes adapted to travel through respective closed circuits, said tapes being disposed in face-to-face relation through a portion of their circuits to form a working zone in which the superposed films are confined between the tapes, means to drive the tapes at the same linear speed, means to maintain said tapes under sufficient tension to apply a holding pressure upon the films therebetween, fixed guide rollers in said working zone between which the pair of tapes is caused to pass in a sinuous path, heating shoes in sliding engagement with said tapes, and cooling means following said heating shoes in the direction of travel of the tapes.

2,469,973
GAS TANK DRAIN LOCK
Assad M. Malluk, New York, N. Y.
Application May 2, 1946, Serial No. 666,630
1 Claim. (Cl. 70—232)



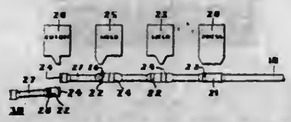
In combination with a tank drainage plug having a universal head and an annular flange of smaller diameter adjacent said head, of a lock to cover said plug, said lock comprising a base, a pair of hinged members, one of said members engaging said base and each of said members having semi-annular recesses adapted to cover said head and loosely surrounding said annular flange whereby said lock may be freely rotated without turning said plug, a cover for said lock and means for holding said lock stationary while the cover is removed or placed on said lock.

2,469,974
TELEPHONE CALLING DIAL
Cecil C. McCain, Glen Ellyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 4, 1947, Serial No. 726,256
6 Claims. (Cl. 179—90)



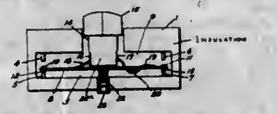
4. In a telephone calling device having pulsing contacts and means for actuating said pulsing contacts including a rotatable wheel, the combination with said rotatable wheel of a housing means substantially enclosing said actuating means and including a front wall having a central aperture therein, a removable dial on the outside of said housing operatively associated with said wheel and concealing said aperture in said front wall, bearing means carried by said housing means for supporting said wheel and said dial for rotation about a common axis extending through the aperture in the front wall, an annular adjusting member encircling said bearing means and axially movable into engagement with the rear face of said wheel, said adjusting member having a plurality of equally spaced apertures therein located equi-distant from the axis of rotation of said wheel, a pin on said wheel axially engageable in any one of said apertures in said adjustable member for locking said adjusting member on said wheel against rotation relative to each other, and a helical spring encircling said bearing means and having one end thereof fixed relative to the housing and the other end thereof connected to the adjusting member for rotating said adjusting member and urging said member into engagement with said wheel, said wheel having an aperture therein uncovering a plurality of apertures in the adjusting member whereby, when the dial has been removed, the adjusting member may be adjusted relative to the wheel with the aid of a tool inserted through the central aperture in the front wall of the housing and the aperture in said wheel.

2,469,975
METHOD FOR CHARGING INDIVIDUAL CAPSULES WITH A COMPRESSED GAS
Graham S. McCloy, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 7, 1946, Serial No. 708,392
1 Claim. (Cl. 226—20)



The method of charging and forming individual capsules from a continuous tube, which method comprises sealing one end of the tube, supplying a fluid under pressure to the other end of the tube to completely fill the tube with the charging mixture, flattening a portion of the tube a predetermined distance from the end thereof, scoring the flattened portion adjacent the end thereof, welding the flattened portion beyond the scored portion to form an hermetic seal, partially welding the flattened portion between the body of the tube and the scored portion so as to leave a restricted passageway, and severing the formed capsule beyond the hermetically-sealed welded portion.

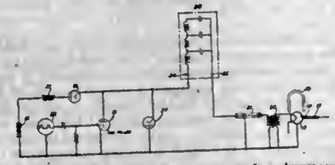
2,469,976
MECHANISM FOR SEQUENTIAL CONTACT SWITCHES
Edwin August Miller, Fairfield, Conn.
Application April 23, 1947, Serial No. 743,265
4 Claims. (Cl. 200—67)



1. A snap-acting switch mechanism comprising a base; pairs of upper and lower fixed stops provided by said base; a contact-carrying switch blade bodily movable between said upper and lower stops and having an opening therethrough; a non-rotatable push actuator slidingly supported by said base and extending transversely to, and movable within, said opening; notches with which the actuator is provided upon opposite sides and lower end thereof; a pair of relatively opposing compression arms within said opening, each arm having an end carried by an extremity of said blade, and an opposite end engaged within one of said notches; and a looped end portion of one of said compression arms adjacent its notch engagement, said looped portion depending from said arm below said blade;

a lowered position of said looped portion resulting from a partial actuator operation moving with a snap-action the other compression arm from an over-center to an under-center relation to said blade, and also in a contact engagement of said blade with one of said upper stops; a cramped position of said looped portion resulting, upon a full operation of said actuator, in a snap-acting under-centering movement of the looped compression arm with respect to said blade; and a sequential contact engagement of said blade with the other of said upper stops, said engagement being in sequence with respect to the contact engagement of said blade with an upper stop.

2,469,977
PULSER CIRCUIT
Howard Morrison, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 12, 1945, Serial No. 593,507
4 Claims. (Cl. 250—36)



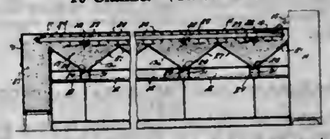
2. An ultra-high frequency pulse transmitter comprising a space discharge oscillator, a source of electrical energy, and a circuit for supplying pulses of space current to said oscillator, including a reflecting line type storage and pulse-forming network, an inductor connecting said source to said network and forming with said network a resonant charging circuit, a grid-controlled gas discharge tube connected to discharge said network to said oscillator, means for triggering said tube, and a unilateral conducting device connected to prevent the accumulation of charges on said network of polarity opposite to that supplied by said resonant charging circuit.

2,469,978
WIELDABLE IMPLEMENT SELF-RESTORING TO CARRIED POSITION
John Leo Mrozinski, Danbury, Conn.
Application June 26, 1947, Serial No. 757,174
2 Claims. (Cl. 242—107)



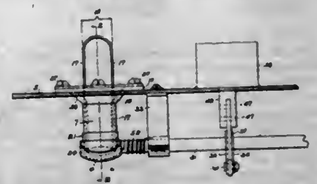
1. In a wieldable implement including a handle, in combination, a reel, means rotatably mounting said reel in the handle of said implement, said handle being of sufficient length to position its inner end adjacent the wrist of the user when said implement is in use, a spring, means connecting said spring to said reel, a flexible line wound on said reel, means for guiding said line so that it leaves said handle at the outer end thereof adjacent the wrist of the user, and means for connecting said line to a user, said implement being supported in a rest position on a user by said line, said line unwinding from and turning said reel to tension said spring as said implement is moved by the user away from the point of connection of said line to the user, said spring having sufficient strength to rewind said line and return said implement to its rest position on the user when said implement is released by the user.

2,469,979
APPARATUS AND METHOD OF MAINTAINING THE FRESHNESS OF COUNTER DISPLAYED VEGETABLES
Alexander L. Munson, Port Washington, and Roy C. Follett, Garden City, N. Y.
Application June 4, 1948, Serial No. 31,014
10 Claims. (Cl. 62—37)



1. Apparatus for the refrigeration of vegetables and other commodities comprising a source of flaked ice and a plurality of racks for displaying vegetables disposed in series on a store counter, conveyor means for directing a stream of flaked ice from the source to the series of racks and means for controlling a sufficient flow of ice to the several racks to maintain the vegetables in a refrigerated condition.

2,469,980
SANDER
Frank H. Myshrall, Stoneham, Mass., assignor to The Palmer Electric & Manufacturing Co., Wakefield, Mass., a corporation of Massachusetts
Application December 31, 1947, Serial No. 794,900
10 Claims. (Cl. 291—29)



5. In a sander for vehicles, the combination of a conduit for sand, the same having a flexible terminal portion, and a second flexible portion, a shut-off which engages and flexes said terminal portion, and means to cause flexing of said second portion and lateral movement of said conduit.

2,469,981
PIVOTAL BRACKET
Arthur E. Nelson, University City, Mo.
Application June 23, 1945, Serial No. 601,264
6 Claims. (Cl. 248—282)

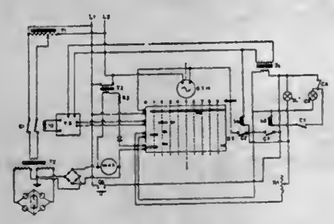
1. In a bracket, a plate member, an upper shelf formed integrally with the plate member and extending outwardly therefrom, a pivot

means on the shelf, a lower opening in the plate member, a lower shelf disposed through the lower opening, said lower shelf projecting outward from the plate member and being of greater width than the plate member, a second pivot means on the lower shelf aligned with the first



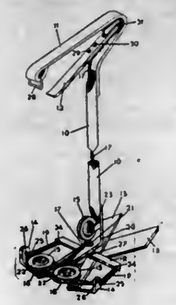
pivot means, said lower shelf having a projection behind the plate member and united thereto, said lower shelf member having an edge providing locking means angularly spaced thereabout and substantially concentric with the pivot means.

2,469,982
X-RAY MASS CHEST APPARATUS CONTROL GEAR
Anthony Nemet and Matei Berindei, London, England, assignors to The Hartford National Bank & Trust Company, Hartford, Conn., as trustee
Application July 16, 1945, Serial No. 605,406
In Great Britain March 8, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 8, 1964
4 Claims. (Cl. 250—95)



1. In an X-ray apparatus for screen radiography, the combination with an X-ray tube and means for photographing on a film of a device for identifying the photograph, means for accommodating the identification device, means for indicating the presence and proper disposition of the identification device, a guard relay circuit controlled by said identification means, said indicating means including a low voltage card illumination lamp connected in series with said guard relay and a source of power for illuminating the indicating device whereby the corresponding film being exposed is identified, means for effecting the several operations necessary in the use of the X-ray tube for the film exposure, a motor-operated drum provided with contact segments for automatically controlling the operation effecting means in correctly timed sequence, circuit means operable by said guard relay circuit for controlling the motor circuit to initiate operation of said drum, a manually controlled switch for initially closing the motor circuit, and means controlled by the drum upon initiation thereof by the manual switch, for holding the drum-motor circuit closed for the duration of one predetermined cycle of operations by the effecting means.

2,469,983
GRASS SHEARS
Park L. Newbold, Cedar Rapids, Iowa
Application April 19, 1946, Serial No. 663,511
2 Claims. (Cl. 30—248)



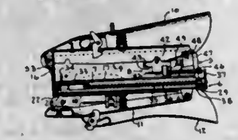
1. In a grass shears, the combination of a pair of blades pivoted together and attached to an angled base which extends rearward and upward, a handle attached to the elongated upward part of the base, a lever attached to the handle, a single pulley attached to the forward part of the base and adjacent to the angle, a pulley engaged to the left rearward part of the base, a pulley engaged to the right rearward part of the base, a horizontal stationary member engaged to the forward part of the base a pair of springs engaged to rearward ends of the blades and anchored to the stationary member, a flexible connecting means secured to the rearward end of each of the blades and extending over the adjacent cooperating pulleys to converge and connect with a single flexible means extending under the single forward pulley and upward to engage the operating lever so that a movement of the lever upwards will cause the blades of the shears to close, and a reverse action be produced by the retraction of the closing springs.

2,469,984
STAPLING DEVICE
William G. Pankonin, Chicago, Ill.
Application April 30, 1945, Serial No. 591,009
15 Claims. (Cl. 1—49)



1. In a stapling device, a body portion comprising a magazine and ejection chute, a staple driver pivoted to said body member and having a driving blade operable in said ejection chute, said driver being swingable to withdraw said blade from said chute and to provide access to said magazine, an upper handle also pivoted to said body portion and overlying said driver, a latch releasably connecting said upper handle and said driver to transmit force therebetween, and an anvil carrier operable in connection with said upper handle.

2,469,985
FEED MECHANISM FOR STAPLING MACHINES
William G. Pankonin, Chicago, Ill.
Original application April 30, 1945, Serial No. 591,009. Divided and this application April 2, 1947, Serial No. 738,782
5 Claims. (Cl. 1—49)



1. In a stapling device, a body portion comprising a magazine having a loading opening and an ejection chute, a staple follower adapted to be received in said magazine including a head and means for urging said head forwardly in said magazine, said staple follower being movable to a loading position outside of said opening, a follower retainer pivotally mounted in said body portion, lugs on said head adapted to engage with said retainer as said follower is withdrawn from said magazine, and resilient means associated with said retainer to engage said head and hold said follower in said loading position out of the path to the opening of said magazine.

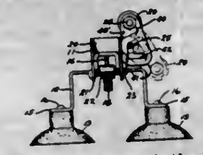
2,469,986
SOUND DISTRIBUTING SYSTEM FOR DRIVE-IN THEATERS
James D. Phyfe, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1945, Serial No. 585,830
13 Claims. (Cl. 179—1)



1. In an outdoor theater having a screen and an area adjacent thereto comprising a plurality of automobile stallways in which automobiles may be parked facing said screen, a sound distributing system for simultaneously conveying to occupants of said automobiles at pairs of adjacent stallways sound related to action portrayed on said screen which comprises, in combination with a source of electric signals representing said sound, a supporting member located between the stallways constituting each of said pairs throughout said area, a pair of loudspeakers loosely carried by each of said supporting members for ready removal therefrom each into a separate stallway and an automobile in said stallway, and circuit means carried by said supporting members coupling said loudspeakers to said source.

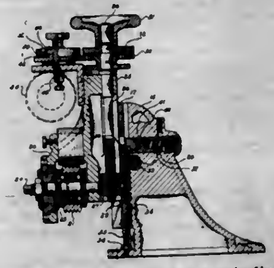
2,469,987
ROLLER JACK FOR AUTOMOBILE ROOFS
Richard A. Pilsner, Waupun, Wis., assignor to Wesbar Stamping Corporation, West Bend, Wis., a corporation of Wisconsin
Application June 27, 1945, Serial No. 601,788
8 Claims. (Cl. 193—42)

1. The combination with a support, of fixed brackets extending vertically above the end portions of the support, a roller, and slotted arms pivotally and slidably interconnected with the brackets and having means at their outer ends for rotatably supporting the ends of the roller whereby the roller may rotate about its own axis and may be shifted from an idle position below the support to an operative loading and unload-



ing position above the support, the brackets presenting abutments against which the slotted arms bear when the roller and slotted arms are swung to operative position above the support and the slotted arms dropped into engagement with said abutments to releasably retain the roller in such position for rotation about its own axis.

2,469,988
GRINDING MACHINE WITH AUTOMATIC FEED CRUSH DRESSING ROLL
Louis F. Polk, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application June 4, 1945, Serial No. 597,425
8 Claims. (Cl. 125—11)

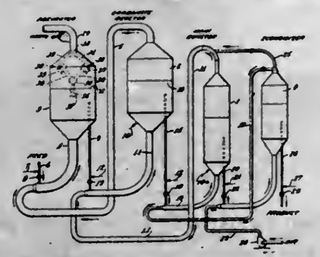


1. A grinding machine having a grinding wheel operable at comparatively high speed in a grinding operation, drive means for driving said grinding wheel comparatively slowly in a forming operation on the grinding wheel, a rotatable crusher for dressing the grinding wheel, means manually operable to bodily adjust the crusher from a remote position into peripheral contact with the grinding wheel, switch means under the control of the operator, a motor controlled by said switch means and having a drive shaft and a threaded feed member mechanically connected to said shaft for positively moving the crusher axis toward the grinding wheel axis at a uniform rate of speed irrespective of any eccentricity of the grinding wheel.

2,469,989
PROCESS OF FORMING CHEMICAL REACTION PRODUCTS OF METAL OXIDES
Robert Pyzel, New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application August 19, 1944, Serial No. 550,298
15 Claims. (Cl. 106—100)

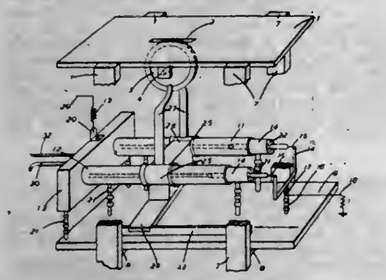
3. A method for producing a hydraulic cement which comprises flowing a gas stream upwardly

in a reaction zone through a mass of finely divided solids containing silica and calcium oxide to maintain the mass substantially in suspension in said stream, limiting the upward velocity of said gas stream to maintain the greater part of said mass of finely divided solids in a relatively dense pseudo-liquid phase in which the solid particles circulate at a high rate, and maintaining said fluidized mass of solids at a temperature substantially higher than 2000° F., withdrawing said gas stream from said first-mentioned reaction zone, introducing a mass of finely divided solids



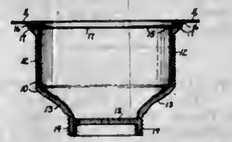
containing calcium carbonate into said withdrawn gas stream and passing the mixture of gas and solids upwardly into a second reaction zone to maintain the mass in said second reaction zone in said dense fluidized condition, maintaining said last-mentioned fluidized mass of solids at a temperature substantially lower than 2000° F. but sufficiently high to convert said calcium carbonate to calcium oxide, withdrawing a portion of the solids comprising said second-mentioned fluidized mass including calcium oxide, and introducing the same into said gas stream prior to passage thereof upwardly in said first-mentioned reaction zone.

2,469,990
MEANS FOR FEEDING HIGH-FREQUENCY ELECTRIC CURRENTS TO THE ELECTRODES OF DIELECTRIC HEATING APPARATUS
Joshua Creer Quayle, Helsby, and Peter Jones, Kelsall, near Chester, England, assignors to British Insulated Callender's Cables Limited, London, England, a British company
Application October 9, 1946, Serial No. 702,219
In Great Britain October 25, 1945
4 Claims. (Cl. 219—47)



1. In apparatus for producing heat in a dielectric material by passing said material through an electric field adjacent to or between two rotating electrodes between which a high frequency alternating potential is maintained by an oscillator, a variable coupling between said oscillator and said electrodes which is adjustable to vary the potential difference between said electrodes comprising an output tank circuit for said oscillator in the form of a resonant line which structurally includes two parallel rigid conducting members, two fixed coupling members each at least partially surrounding one of said conducting members without making contact therewith, a contact member on each of said coupling members which makes rubbing contact with one of said rotating electrodes and means for moving said oscillator and said line together in a direction parallel with the longitudinal axes of said rigid conducting members thereby effecting the required adjustment.

2,469,991
BIMETALLIC DRAIN FITTING
Howard F. Reichenbach, Waterbury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
Application December 6, 1945, Serial No. 633,231
2 Claims. (Cl. 285—49)

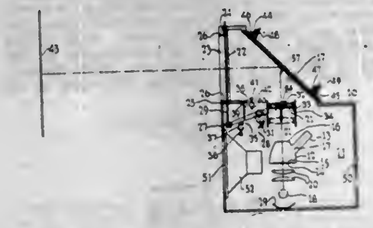


1. A bimetallic drain-fitting, including in combination: a body-member formed of a different metal from the herinafter mentioned seating-member; a flat ring-like seating-member formed of abrasion-resisting metal and surmounting and rigidly attached to the upper portion of the said body-member, the said ring-like seating-member being formed at its inner edge with an integral downwardly-and-outwardly directed attaching-flange having its upper surface spaced downwardly from the adjacent under surface of the seating-member proper; the said hollow body-member being provided at its upper end with a clamping-flange projecing upwardly above its upper end, said clamping-flange being bent inwardly into the space between the under surface of the said flat seating-member and the upper surface of the attaching-flange of the said flat seating-member to clamp the upper end of said body-member beneath the under surface of said attaching-flange whereby said flat ring-like seating-member overlies and protects the upper end of said hollow body-member.

2,469,992
TELEVISION CABINET WITH REMOVABLE SCREEN CONTROLLING FOCUSING SYSTEM
Adolph H. Rosenthal, New York, N. Y., assignor to Scophony Corporation of America, New York, N. Y., a corporation of Delaware
Application June 20, 1944, Serial No. 541,154
3 Claims. (Cl. 178—7.5)

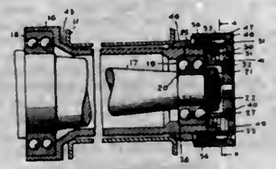
2. An apparatus for visibly reproducing electric signal impulses representative of intelligence on a viewing screen by means of light rays emerging from a cathode ray controlled light valve upon which said impulses are impressed, essentially

comprising, in combination, within enclosed space a radiant energy controlled light valve, means for directing light rays upon said valve, light ray deflecting means exemplified by an oblique front surface mirror in the path of light rays emerging from said valve, an aperture in the enclosure of said space, a viewing screen removably associated with said enclosure and arranged so that it can be observed from the outside through said aperture, adjustable optical means arranged in said path for directing light rays emerging from said valve upon said deflecting means whence they are projected upon said viewing screen, said optical means in one of its adjustments capable of focusing said light rays on said viewing screen



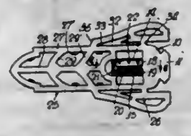
when it is in observation position relative to said aperture, said optical means in another one of its adjustments capable of focusing light rays emerging from said valve and projected by said deflecting means through said aperture, when said viewing screen is removed, on another viewing screen outside said space, and automatic means for controlling the adjustment of said optical means dependent on the position of said removable viewing screen, so that said optical means are adjusted to focus light rays emerging from said valve upon said viewing screen when it is in observation position and to focus said light rays on said other viewing screen at given distance from said space when said viewing screen is removed.

2,469,993
LOCKING DEVICE
Duer C. Robson, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 12, 1946, Serial No. 661,745
4 Claims. (Cl. 242—68)



1. A device for mounting a reel, which comprises an arbor having a threaded end thereon and also being provided with an interlockable socket, a nut designed to be screwed on the threaded end of the arbor to secure a reel on the arbor, a locking ring having a portion complementary to the interlocking socket for fitting into the socket and also being provided with a plurality of radially disposed outwardly projecting teeth, means for securing the complementary portion of the locking ring in said interlocking socket to fasten the locking ring against rotating and axial movement relative to the arbor, a cap having a plurality of radially disposed inwardly projecting teeth complementary to the teeth formed on the locking ring for fitting slidably over the nut, and means for urging the cap over the nut to hold the teeth on the cap in interlocking engagement with the teeth on the locking ring.

2,469,994
JEWELRY CLIP
Jack Ruderman, New York, N. Y.
Application March 24, 1945, Serial No. 584,702
16 Claims. (Cl. 63—20)



1. In an article of jewelry of the type having a sheet metal clip blank; the combination therewith of a holder integral with said clip, said holder including curved elements stamped from the metal of the clip blank, protruding from the plane of the clip and determining retaining means for holding a perfume-impregnated piece against the body of the clip.

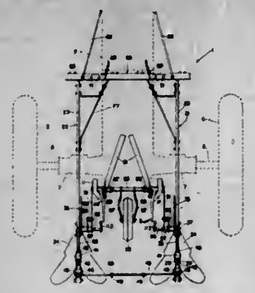
2,469,995
PROCESS FOR THE PRODUCTION OF FOOD PREPARATIONS FROM POTATOES AND SIMILAR FARINACEOUS TUBERS
Martin Carl Schaul, London, England
No Drawing. Application December 26, 1946, Serial No. 718,598. In Great Britain July 23, 1946
3 Claims. (Cl. 99—207)

1. A process for the production of food preparations from potatoes, which comprises cooking the potatoes in water and converting said cooked potatoes into a mash, said cooking being carried out to such an extent that such mash consists of unicellular unbroken and undextrinised cells, adjusting the consistency and nature of said mash by incorporating therewith a dry powdered edible starch material from an extraneous source in the form of a dry powder containing dextrinised starch and damaged starch cells, extruding the mixture into a form suitable for rapid and uniform drying, and thereupon baking and drying the resultant product.

2,469,996
TRACTOR MOUNTED PLOW AND GAUGE WHEEL
Walter H. Silver and John I. Cantral, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application November 8, 1944, Serial No. 562,472
12 Claims. (Cl. 97—47)

1. An agricultural implement comprising a wheel supported frame, a pair of laterally spaced generally vertically movable tools connected with said supporting frame for independent movement relative thereto, a ground engaging gauge means swingably connected with said supporting frame means and including a rockshaft journaled on said supporting means and defining the axis of swinging movement of said gauge means and

rockable with swinging of the latter, a pair of arms fixed to the ends of said rockshaft, and



means connecting the ends of said arms with said tools, respectively.

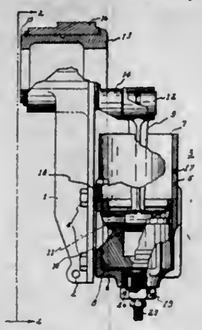
2,469,997
WHEEL BALANCE WEIGHT
Leonard R. Simpson, Birmingham, Ala.
Application May 7, 1946, Serial No. 667,903
7 Claims. (Cl. 301—5)



1. In a wheel balance weight for engagement over the edge of a tire rim flange, the combination of a weight, a spring clip carrying the weight up against the outside of the rim and extending over the edge of the rim down inside thereof in compressive engagement with the rim, and a tire-marker member extending upwardly from said clip and adapted to lie against the outer wall of the tire carried by the rim.

2,469,998
COMPRESSOR
Edwin A. Smith, Danville, Ill., assignor to Willard-Anderson Company, Danville, Ill., a company wholly owned by William A. Anderson
Application September 6, 1946, Serial No. 695,122
1 Claim. (Cl. 230—235)

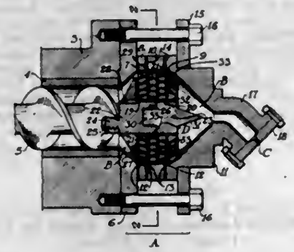
In a compressor a cylinder, a piston and a discharge valve, said cylinder having side walls and having one end closed and one end open, means for reciprocating the piston in said cylinder, said piston further adapted and arranged such that said piston approaches the open end of said cylinder during the intake stroke, said walls of said cylinder having a plurality of intake ports therein, said ports adapted and arranged to be in open communication with said cylinder when said piston is at its maximum intake stroke and said ports being further adapted and arranged to be immediately closed by said piston when said piston begins its discharge stroke, and a vertical support, said cylinder removably attached to said support near one end thereof, the other end of said support comprising a sleeve bearing, a rotatable crank journalled in said sleeve bearing, a connecting rod rotatably attached to said crank at one end and rotatably attached to said piston at the other end, a discharge valve suitable for use in a compressor comprising a body, said body comprising a threaded portion and a head portion, said threaded portion adapted and arranged to be screwed into one wall of the cylinder of a compressor, said body having an opening extending lengthwise therethrough, the portion of the opening through the head of said body being threaded, a connector fitting threaded on both ends also having an opening therethrough, said fitting screwed into the threads in the opening in the head of said valve such that it is flush therein, said other end of said fitting arranged to be



attached to a suitable hose connection, said opening through said threaded portion of said body being larger than the opening through said fitting, said opening at the end opposite the threaded connector being larger thereby forming a shoulder therein, a spring in said opening through said threaded portion of said body abutting against said connector, a cap abutting against the other end of said spring, said cap being smaller in cross-section than the opening through said threaded section of said body, a shoulder washer placed into said opening in said threaded portion of said body and onto the shoulder portion in said opening thereby maintaining said spring under compression, said cap being larger in cross-section than the opening through said shoulder washer, said valve being sealed during the suction stroke of the piston of the compressor by the urging of said cap against said shoulder washer by said spring, and said valve adapted and arranged to discharge compressed gas therethrough when said cap is urged away from said shoulder washer during the discharge stroke of said piston.

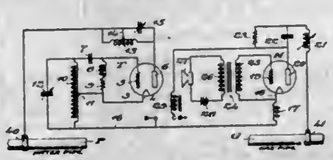
2,469,999
MIXING HEAD FOR EXTRUSION MACHINES
Kenneth E. Stober, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application May 30, 1945, Serial No. 596,626
7 Claims. (Cl. 18—12)

1. In an extruder, in combination with an extrusion orifice and a feeder for forcing plastic material through the orifice: a mixing head having therein a chamber of circular cross-section constituting a passage between the feeder and the orifice; a spindle extending axially in the chamber and having a diameter small in comparison to that of the chamber and means for rotating the spindle; a plurality of multiply-perforated disks mounted on the spindle at spaced intervals not greatly exceeding the thickness of a disk, each disk being of such diameter that the



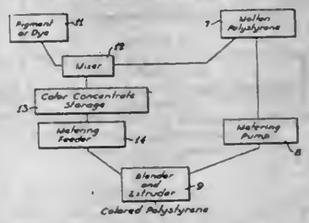
clearance between the edge thereof and the wall of the chamber is only a fraction of the thickness of the disk; and a plurality of spaced multiply-perforated stationary annular disks mounted transversely in the chamber and extending from the wall thereof into the spaces between the rotatable disks, the thickness of each annular disk and the internal diameter of its annulus being such that the clearances between the disk and the adjacent rotating disks and spindle are only fractions of the thickness of the disk.

2,470,000
RADIO-FREQUENCY TRANSMISSION THROUGH GROUNDED CONDUCTING STRUCTURES AND THE LIKE
Keith Lansing Bell, Washington, D. C., assignor to Curtis E. McGhee
Application September 20, 1944, Serial No. 554,984
15 Claims. (Cl. 179—1)



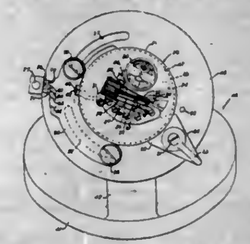
1. In a system for transmitting modulated radio-frequency energy, extended massive conductor structure means of dimensions much greater than are normally employed for transmitting radio-frequency communication currents, said massive conductor means being positioned in close electrical relation to ground, and a radio-frequency transmitter comprising an oscillator, said oscillator including a prime source generating radio-frequency alternating voltage and delivering the same across primary output electrodes thereof, the output circuit of said oscillator being directly conductively connected to said primary output electrodes and comprising a substantial length of said massive conductor means which constitutes a substantially pure resistance path.

2,470,001
PROCESS FOR PRODUCING UNIFORMLY COLORED EXTRUDED ARTICLES FROM VINYL AROMATIC RESINS
Kenneth E. Stober, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application May 30, 1945, Serial No. 596,627
5 Claims. (Cl. 18—55)



1. A continuous process for producing uniformly colored articles from thermoplastic resinous polymerized vinyl aromatic compounds which comprises: forming a color concentrate by mixing together a coloring material and a polymerized vinyl aromatic compound, delivering a stream of the color concentrate in the molten state and a relatively much larger stream of the molten uncolored resinous compound to a closed mixing zone maintained at a temperature of at least 200° C. and therein working the materials together to form a uniformly colored mass while still in stream form, and continuously extruding the mass.

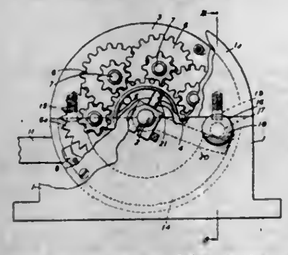
2,470,002
APPARATUS FOR TESTING TELEPHONE CALLING DIALS
Henry J. Thielker, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 3, 1947, Serial No. 752,205
5 Claims. (Cl. 179—175.1)



5. An apparatus for testing a telephone calling dial having a finger wheel rotatable relative to a dial casing, distances limited by a finger stop on the casing, the casing housing some of the actuating mechanism of the calling dial and supporting contact springs and members selectively actuated by the said mechanism from their given normal positions during relative rotation of the finger wheel and casing, the apparatus comprising a mounting plate recessed to receive the finger wheel of the dial, a base to support the mounting plate, an index gage mounted on the mounting plate for movement into a normal position and into operating positions, a notch in the index gage to initially interengage the finger

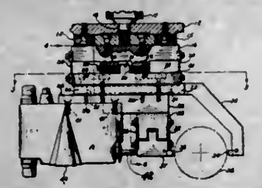
stop of the dial at the normal position of the index gage, an element to clamp the finger wheel against rotation in the recess of the mounting plate, a latch carried by the mounting plate to secure the index gage in the normal position and in any of the operating positions, means normally urging the latch into latching position toward the index gage, and a cam lever to move the latch away from the index gage into open position.

2,470,003
TIME CONSUMING OR DELAY ACTION MECHANISM
Harold Ernest Ray Thomas, Crick, near Rugby, England
Application January 23, 1947, Serial No. 723,678
In Great Britain June 19, 1946
7 Claims. (Cl. 188—1)



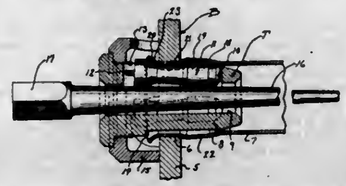
1. A time consuming or delay action mechanism incorporating a main shaft, actuating means for turning the main shaft, a rotatable member rotatably mounted in relation to the main shaft, a train of gear wheels controlled by retarding means and carried by the rotatable member, a gear wheel on the main shaft co-operating with the train of gears, means for holding the rotatable member during a stroke of the actuating means in one direction, and means movable with the main shaft for dis-engaging the holding means during a portion of the said stroke of the actuating means, so arranged that whilst the rotatable member is held the main shaft has to drive the train of gear wheels and consequently has a slow or retarded movement and when the holding means is released the rotatable member moves with the main shaft to allow an un-retarded or quick movement.

2,470,004
GAUGING DEVICE
Joseph A. Trame, Jr., Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application August 17, 1945, Serial No. 610,966
4 Claims. (Cl. 33—147)



1. Gauging apparatus comprising a support having means for holding a workpiece to be gauged, an elongated carrier, means mounting said carrier on said support for yielding movement in the direction of the length of the carrier, a pair of bars extending along said carrier so that a bar extends between another bar and the carrier, said bars and carrier having interfitting longitudinal grooves and projections, means extending from a bar through another bar and to the carrier and fixing both said bars to said carrier and providing for independent longitudinal adjustment of said bars with respect to said carrier and with respect to one another, a gauging device on one of said bars, a work engaging member yieldingly mounted on said one bar and having an operable connection to said gauging device, and a projection on the other bar providing a work engaging member, whereby said bars are adjustable to provide for gauging workpieces of various sizes while maintaining the work axis in fixed position with respect to said support.

2,470,005
FLUE ROLLER
Ernest F. Vilter, Milwaukee, Wis.
Application January 16, 1948, Serial No. 2,593
2 Claims. (Cl. 153—82)

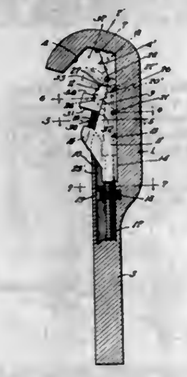


1. A rolling in tube for boiler tubes comprising a cage, rollers movable radially in said cage, a tapered mandrel slidably and rotatably associated with the cage for moving the rollers outwardly, each of said rollers including a generally cylindrical body gradually tapering from its outer end toward its inner end, and each body having a tube expanding portion, a tube flaring portion and a connecting rolling in neck, said neck being tapered in the opposite direction from the body and the mandrel, said mandrel also gradually tapering from its outer toward its inner end.

2,470,006
STABILIZED FERMENTED BEVERAGES AND METHODS OF MANUFACTURING SAME
James S. Wallerstein and Ralph T. Alba, New York, N. Y., assignors, by mesne assignments, to Wallerstein Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 24, 1945, Serial No. 584,733
11 Claims. (Cl. 99—48)

1. The method of improving fermented beverages of mildly acid nature derived from cereals and normally containing organic components of proteinaceous nature which are soluble in mildly acid medium but are capable of causing turbidity on changes of temperature, comprising bringing the beverage at any stage during its manufacture into intimate contact with a dilute alkaline solution of a lignin material prepared by the alkaline cook method and soluble in dilute alkali but insoluble in dilute acid while maintaining the pH value of the beverage liquor in the acid range, and removing the insoluble matter that is formed and is composed of the lignin and said organic components.

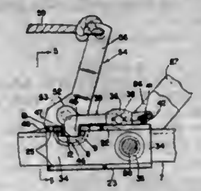
2,470,007
PIVOTED INNER JAW WRENCH
Gilbert L. Watson, II, Chestertown, Md.
Application April 9, 1947, Serial No. 740,319
3 Claims. (Cl. 81—97)



1. An open-end wrench comprising a body portion terminating at its outer end in a fixed jaw portion and at its inner end in a handle, the inner face of the fixed jaw having two fixed flat jaw faces immovably disposed at an angle of 60° to each other to receive two facets of a hexagonal work piece engaged by the wrench, said body formed with a longitudinal recess, a jaw supporting member slidably mounted in said recess, a movable jaw pivotally supported by said jaw supporting member, said movable jaw having two flat faces immovably disposed with respect to each other at an angle of 120° and adapted to receive two more facets of the work piece, said movable jaw and said movable jaw supporting member having opposing ratchet teeth, whereby said teeth on said movable jaw may be swung into and out of engagement with the teeth on said jaw supporting member, means for normally forcing said ratchet teeth into engagement with each other and the gripping faces of the movable jaw toward the gripping faces of the fixed jaw, said jaw faces of the movable jaw coacting with the jaw faces of the fixed jaw to engage the entire length of three facets of the hexagonal work piece, for the purpose of transmitting torque to said work when the wrench is turned in one direction, the movable jaw being automatically pivoted about its pivot by the pressure of the work to disengage the ratchet teeth and permit free ratcheting of the wrench about the work when the wrench is rotated in a counterdirection.

2,470,008
DISK HARROW LATCH UNIT
Charles H. White, William P. Oehler, and Charles H. Youngberg, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 30, 1945, Serial No. 585,692
13 Claims. (Cl. 55—81)

1. An agricultural implement comprising a pair of relatively movable parts, a latch unit for locking said parts together and including a detent carried by one part and adapted to engage the other part, and a lever movable into one position for momentarily disengaging said detent from said other part and movable into another



position to continuously hold said detent disengaged from said other part.

2,470,009
PIPE
Loomis Goff Wilhelm, Henryetta, Okla., assignor to Lock Joint Pipe Company, East Orange, N. J., a corporation of New Jersey
Application June 29, 1944, Serial No. 542,696
3 Claims. (Cl. 138—84)



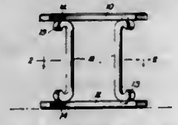
3. A high pressure reinforced concrete pipe comprising a fluid-tight steel sleeve, a layer of concrete in contact with and lining said steel sleeve, a layer of concrete thicker than said first-named layer of concrete and in contact with and covering the outside of said steel sleeve, a wrapping of tensioned wire overlying said covering layer of concrete, said wire being under sufficient tension to maintain said covering layer of concrete, said steel sleeve and said lining layer of concrete in a state of compression when said pipe is subjected to normal working pressure from fluid material contained in the pipe, and a protective covering over said winding of tensioned wire.

2,470,010
MELTING IRON IN ELECTRIC FURNACES
Sidney D. Williams, Warren, Ohio
No Drawing. Application June 17, 1946, Serial No. 677,412
5 Claims. (Cl. 75—12)

3. The method of producing low carbon steel from steel scrap and molten metal in an electric furnace which comprises intermingling highly heated steel scrap and iron oxide and forming such materials into a relatively dense, hot self-sustaining briquette, penetrable by molten metal and throughout which the iron oxide is distributed and which briquette includes all of the solid material for a single furnace charge and constitutes one third or more, by weight, of such charge, introducing such hot briquette into the furnace chamber, thereafter introducing into the furnace chamber the remainder of the charge, comprising a molten body of metal of relatively high carbon content so as to form on the bottom of the furnace chamber and at the base of the briquette, a pool of metal having a relatively low melting point, and immediately thereafter es-

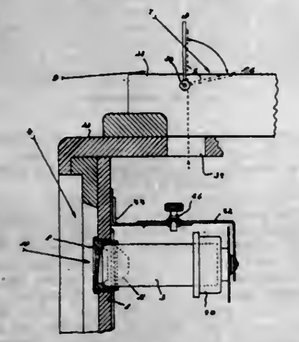
tablishing an electric arc in the furnace chamber to quickly cause the heated briquette to melt and the iron oxide to react with the carbon of the molten metal.

2,470,011
COMBINATION FOOTSTOOL AND TABLE
Arthur Winter, Weehawken, and Vincent Haggerty, Tenafly, N. J.
Application June 3, 1947, Serial No. 752,178
3 Claims. (Cl. 311—3)



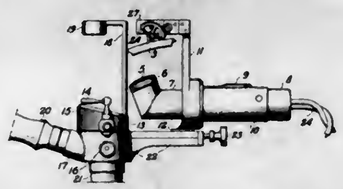
3. A combination table and foot-rest which comprises a pair of spaced polygonal-sided plates, connecting bars connecting said plates and disposed around a common center in pairs along the diagonals of said polygon, said bars acting as foot rests when the plates are disposed in the vertical plane, the ends of said bars being turned reversely toward the corners of the plates to act as limiting means to lateral movement of the feet when resting thereon and said bars acting as legs for a table when the plates are disposed in a horizontal plane.

2,470,012
RADIO RECEIVER TUNING INDICATOR, INCLUDING A WIDE ANGLE VIEWING LENS
Jan Bergmans, Johan George Kronouer, and Max Leeuwin, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 23, 1946, Serial No. 664,398
In the Netherlands September 4, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 4, 1961
5 Claims. (Cl. 88—1)



1. A radio-receiving apparatus comprising a cabinet, a tuning dial mounted on top of said cabinet and pivoted on a horizontal axis extending from left to right of said cabinet so as to be adjustable to an inclined position, said apparatus further comprising a tuning indicator which is rigidly mounted in the front wall of said cabinet, means for displacing the angle at which said indicator may be viewed to a value to permit viewing thereof from a position in front of said cabinet at which said tuning dial in the different inclined positions thereof is normally viewed, said means comprising a prismatic optical body mounted in front of said indicator, whereby an operator of said radio receiving apparatus may simultaneously view said tuning indicator and said tuning dial even when said dial is in inclined position.

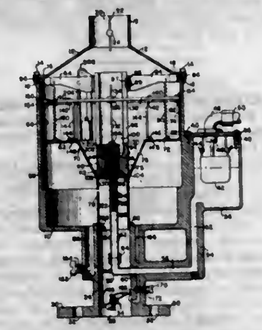
2,470,013
ENDOSCOPE HANDLE
Madhav V. Bhajekar, Bombay, India
Application January 24, 1945, Serial No. 574,378
In India February 7, 1944
2 Claims. (Cl. 128—4)



1. An endoscope handle, for endoscopic examination tubes, with proximal illumination made up of two horizontal pieces joined by a vertical piece; one end of the upper horizontal piece is immovably fixed to one end of the vertical piece while the other end of the horizontal piece has a tilting concave mirror attached thereto with a cog-wheel arrangement for changing the angle of the mirror; the other end of the vertical piece is attached to one end of the lower horizontal piece in such a way that the whole vertical piece, through about the middle of which is inserted the illuminating apparatus, together with the fixed upper horizontal piece can be moved in a horizontal direction away from or towards the socket which forms the free end of the lower horizontal piece, and in which socket can be fitted various endoscopic tubes, while a tilted removable cap having a transparent face and fitted with taps and stop-cocks adapted for irrigation, insufflation and inflation purposes can be fitted to close the proximal end of the socket.

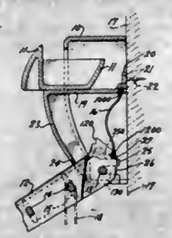
2,470,014
CARBURETOR
Chester W. Brown, Linton, Ind.
Application December 23, 1946, Serial No. 718,049
20 Claims. (Cl. 261—44)

1. A downdraft carburetor comprising, a cylinder having an air inlet at its upper end and a mixture outlet at its lower end provided with a throttle valve therein and adapted to be connected to the intake manifold of an internal combustion engine, a piston reciprocable within said cylinder including a tapered intermediate section having a depending tubular skirt reciprocable within said outlet, a plurality of springs supporting said piston from the upper portion of said cylinder, a float chamber formed at one side of said cylinder and providing a substantially constant level of liquid fuel therein, a tubular conduit connected to said float chamber and mounted in said outlet to extend axially upward adjacent the center of said cylinder, a generally cylindrical piston stop mounted on the top of said conduit having a beveled lower edge and including a central cavity having a plurality of radial apertures extending therefrom to said beveled edge, a generally cylindrical jet body secured in said cavity with a reduced diameter lower portion extending downwardly into said conduit including an axial bore therein having a metering orifice at its lower end and a plurality of radial jets connected to said bore and opening into said apertures, a plunger bar



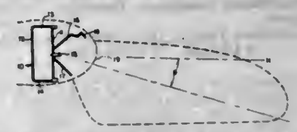
mounted on said piston, a tapered plunger adjustably secured to said bar and extending through said orifice, and an air passage interconnecting the interior of said cylinder below said piston and said outlet above said throttle valve whereby said piston may move in response to the pressure differential between said inlet and said outlet.

2,470,015
TIE RACK
Herman Martin Canner, Detroit, Mich.
Application April 11, 1947, Serial No. 740,811
1 Claim. (Cl. 211—100)



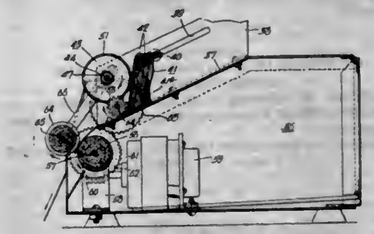
A rack for neckties and the like comprising a fixed head securable to a structure disposed in a substantially vertical plane, a depending arm pivotally connected to the said fixed head at a point below the top thereof, the said fixed head and top of the pivoted depending arm having oppositely disposed notches therein extending parallel to the pivoted axis of the said depending arm, and a concavo-convex leaf type compression spring disposed at its ends in the said notches in compressive abutment against the said fixed head and the top of the pivoted depending arm exerting constant compressive spring pressure between the fixed head and the pivoted depending arm at a point above its pivot point whereby to maintain the said pivoted arm selectively either in vertical depending relationship substantially parallel to the structure on which the said head is mounted or in a diagonally outward relationship thereto responsive to manual movement of the said arm from one position to the other, rods laterally extending from the said pivoted arms for supporting objects in display relationship to each other, and means on the outer end of each of the said laterally extending rods for preventing accidental removal of objects therefrom when the pivoted arm is in its depending relationship.

2,470,016
ANTENNA
Roger E. Clapp, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application September 14, 1945, Serial No. 616,370
3 Claims. (Cl. 250—33.65)



3. In a linear array antenna having a longitudinal wave guide, means for propagating energy within said wave guide, a plurality of dipoles aligned along one of the walls of said wave guide, means for shaping the radiation pattern produced by said dipoles, said means comprising two reflector plates one disposed above and the other below said aligned dipoles, said reflector plates being arranged at an angle to said wall of said wave guide and flared outwardly away from each other, one of said reflector plates having at least one bend along the length of the end portion remote from said wall, said bend being parallel to said wall and forming a secondary reflecting surface whereby an asymmetrical radiation pattern is obtained.

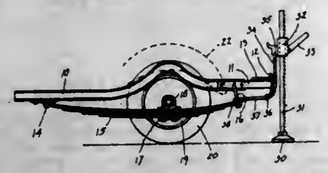
2,470,017
CHECK FEEDING MACHINE
Paul J. Clark, Germantown, Pa.
Application November 28, 1947, Serial No. 788,607
3 Claims. (Cl. 271—39)



1. In a feeding device adapted particularly for the feeding of mixed bank checks to a photographing machine, an inclined surface for supporting a stack of checks on edge, said surface being disposed at a relatively small acute angle to the horizontal, a follower adapted to engage the back of the stack, said follower being disposed at a relatively greater acute angle to the horizontal, means adapted to engage the front of the stack while permitting removal of the checks in succession, at least one rotatable stripping member positioned so as to be adjacent the lowermost part of said stack at the front thereof, said member having a substantial number of closely-spaced

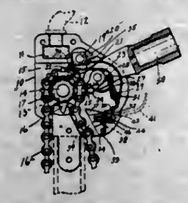
radial resilient vanes, the axis of rotation of said member being substantially equidistant from said surface and the foremost check of said stack, the location of said axis being such as to cause said vanes to engage the foremost check successively and to maintain engagement of the check by a plurality of said vanes during the sliding of the check from the stack, and power means for driving said rotatable member at a predetermined speed to cause successive feeding of said checks accordingly.

2,470,018
METHOD OF AND MECHANISM FOR LIFTING PORTIONS OF VEHICLES
Fredrick W. Coffing, Danville, Ill., assignor to Coffing Hoist Company, Danville, Ill., a corporation
Application June 2, 1945, Serial No. 597,166
2 Claims. (Cl. 254—133)



2. Mechanism for lifting a portion of a vehicle having a vehicle frame, a bumper carried thereby at an end thereof, a spring, a shackle structure connecting a spring end to the frame adjacent the end thereof, and an axle connected to the spring for vehicle support, comprising a jack having a standard extending upwardly and positioned adjacent the bumper, a member movable longitudinally of the standard, and a non-extensible flexible means connected to the member and depending therefrom and bearing upon and initially slidable relative to the bumper, and elongated hook means carried by the free end of said flexible means and adapted for ready and direct attachment to and detachment from the spring-shackle structure connection, the hook means having a length approximately equal to the distance between the spring shackle and the bumper.

2,470,019
COMBINATION HOIST, JACK, AND WIRE STRETCHER
Fredrick W. Coffing, Danville, Ill., assignor to Coffing Hoist Company, Danville, Ill., a corporation
Application December 12, 1947, Serial No. 791,333
4 Claims. (Cl. 74—156)

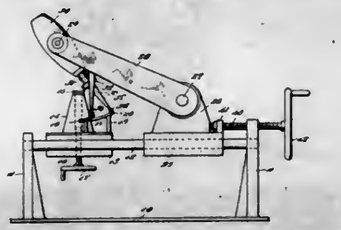


1. In a hoist having a toothed member rotatable in opposite directions for lifting and lowering purposes, a pair of notched end pivoted pawls having selective engagement with the toothed member, an oscillatable handle, means operatively connecting the handle and pawls, and a selective manual control rendering the hoist effective for different purposes, the combination therewith of a hook upon one of the pawls and a yielding structure relatively stationarily anchored at one end and provided at another end with a loop, the loop being disposed contiguous to the hook for selective engagement therewith only when the handle is oscillated and when the hoist is conditioned for one type of operation.

2,470,020
QUICK FROZEN HOMOGENIZED MILK
Frank L. Crowley, Binghamton, N. Y., assignor to Crowley's Milk Company, Inc., Binghamton, N. Y., a corporation of New York
No Drawing. Application April 24, 1946, Serial No. 664,696
1 Claim. (Cl. 99—192)

A process for treating and packaging sweet fresh milk comprising the steps of clarifying the milk at normal temperature to remove impurities, homogenizing the clarified milk, de-aerating the homogenized milk at normal temperature under vacuum, heating the de-aerated milk to a temperature of approximately 120° F., concentrating the heated de-aerated milk at a temperature of approximately 120° F., pasteurizing the milk for thirty minutes at a temperature between 165° F. and 185° F., packaging and sealing the pasteurized milk under vacuum at a temperature between 165° and 185° F., creating a self-contained vacuum in each package by cooling to a temperature of approximately 60° F., and quick freezing the packaged milk at a temperature on the order of 20° below zero.

2,470,021
GRINDING AND POLISHING MACHINE
Pierre de Vitry d'Avaucourt, Bainbridge, Pa., assignor of fifty per cent to William Boston Bailey, Huntington, W. Va.
Application November 20, 1944, Serial No. 564,252
3 Claims. (Cl. 51—100)



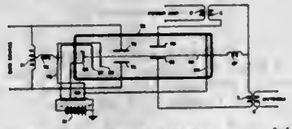
2. A grinding and polishing machine for toric lenses with a rotating grinding tool, the curvature of which determines the curvature of the lens in one direction, comprising a frame, guide members for longitudinal movement along said frame, a fixed support member, and a swingable member, one of the two last named members being provided with the rotatable grinding tool the other being adapted to hold the lens blank, a member longitudinally movable along the aforesaid guide members of said frame, means for producing the longitudinal movement of said member along said frame, an arm, pivotally secured to said movable member, a pivot means for securing said swingable member on said arm, two guiding surfaces arranged in fixed relation to said support member, guide feelers adapted to slide over said guiding surfaces, one of said guide feelers being attached to the arm and the other being fixedly attached to the swingable member for simultaneously controlling the swinging movement of the pivoted arm about its pivot during its advance and the swinging movement of the swingable member around said pivot, the simultaneous sliding of the feelers on the guiding surfaces determining the movement of the grinding tool relatively to the work piece.

2,470,022
KNIFE SHARPENER
Joseph A. De Cicco, Callicoon, N. Y.
Application May 10, 1948, Serial No. 26,117
5 Claims. (Cl. 51—181)



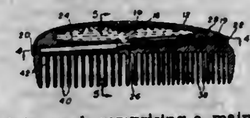
1. A knife sharpener comprising a base, a strop, means for removably and resiliently securing the strop to the base, an emery stone, means for slidably and removably supporting the emery stone on the base, emery paper, and means for slidably and removably securing the emery paper to the base.

2,470,023
MODULATING SYSTEM
Joseph C. Ferguson and Albert T. Mayle, Jr., Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application November 1, 1944, Serial No. 561,354
6 Claims. (Cl. 332—56)



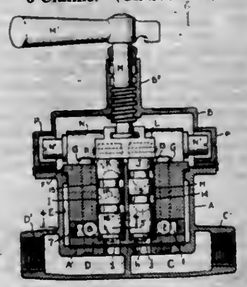
1. A signal modulating system comprising an input circuit and an output circuit, means for applying a carrier signal to said input circuit, means including a variable capacitance element for coupling said input circuit to said output circuit, said variable capacitance element including two spaced electrodes, means for developing an electron beam and for passing it between said electrodes, and means for deflecting said electron beam in accordance with a modulating signal to vary the capacitance of said electrodes, thereby to develop an amplitude-modulated carrier signal in said output circuit.

2,470,024
FOUNTAIN COMB
John H. Francis, Vista, Calif.
Application March 20, 1947, Serial No. 735,931
1 Claim. (Cl. 132—13)



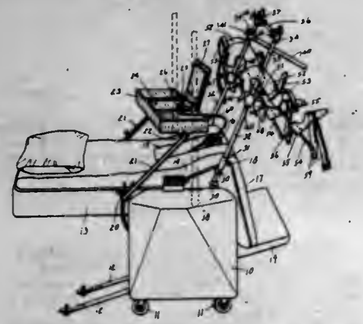
A fountain comb comprising a main rib provided with a reservoir and a longitudinally disposed channel, a plurality of spaced teeth on one side of said rib, an aperture allowing flow from said reservoir to said channel, a plurality of small channels leading from said channel to the exterior of said rib at points between adjacent pairs of teeth, said first mentioned channel being substantially cylindrical, a cylindrical and longitudinally shiftable valve within said channel to open and close said aperture, said valve being spring biased into closed position, said channel extending throughout the length of said rib and having at each end screw-threaded plugs, thereby adapting the fountain comb for easy cleaning, a longitudinally disposed slot in one side of said main rib, a finger grip longitudinally slidably mounted in an outer portion of said slot, and a pin extending transversely through an inner portion of said slot and connecting said finger grip with said valve.

2,470,025
MIXING VALVE HAVING ACCESSIBLE PRESSURE EQUALIZING MEANS
James Fraser, Wilmington, Del., assignor to Speakman Company, Wilmington, Del., a corporation of Delaware
Application March 15, 1948, Serial No. 14,986
3 Claims. (Cl. 277—18)



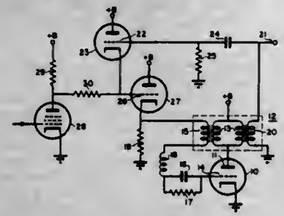
1. A mixing valve comprising a hollow housing shell structure with juxtaposed, spaced apart openings, closure means normally closing but movable to open each of said openings, a partition wall structure within said shell including walls surrounding cold and hot water inlet chambers, an outlet chamber, a pressure equalizing chamber extending between and in substantial alignment with said openings, and passages and ports forming separate inflow paths from said cold and hot water inlet chambers to respectively different portions of said pressure equalizing chamber and forming a separate outflow path to said outlet chamber from each of said equalizing chamber portions, a pressure equalizing valve element in said equalizing chamber forming a movable partition between said chamber portions and being automatically adjustable in response to variations in the water pressures in said inflow paths to inversely throttle the flows between the two inflow paths and the corresponding outflow path as required to equalize the water pressures in said outflow paths, valve means adjustable to inversely throttle said outflow paths to thereby control the temperature of the water in said outlet chamber, said partition structure also including a separable end wall part for each end of said equalizing chamber, each end wall part and said equalizing valve element being removable and replaceable through either of said shell openings when the latter is opened.

2,470,026
OBSTETRICAL AND FRACTURE ATTACHMENT FOR BED STRUCTURES
Robert R. Freund, Mount Carmel, Ill.
Application August 11, 1944, Serial No. 548,986
4 Claims. (Cl. 5—92)



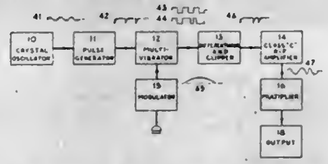
1. A knee clamp structure including a supporting standard, a socket member having two transversely disposed adjacent sockets therethrough, the standard extending through one for axial and rotatable adjustment of the member thereon, a rod longitudinally and rotatably adjustable in the other socket of said member substantially transverse to the standard, a ball and socket connection at one end of the rod, a knee clamp, and clamp support means carried by one portion of said connection and interposed between the connection and clamp for adjustable support thereof.

2,470,027
PULSE-TIME MODULATOR
Harold Goldberg, Towson, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application February 21, 1947, Serial No. 730,090
9 Claims. (Cl. 332—14)



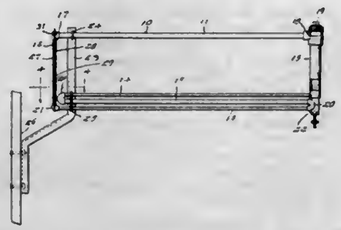
1. In combination, a blocking oscillator having an input circuit; a source of modulating voltage; means applying said voltage to said input circuit to control the recurrence frequency of the output impulses of said oscillator; and means for establishing a reference voltage in said input circuit at the termination of each cycle of the output of said oscillator; the last named means comprising a source of said reference voltage, means constituting a normally interrupted coupling path between the last named source and said input circuit, and means utilizing the output of said oscillator to complete said path during each impulse of said output.

2,470,028
PULSE GENERATION
James F. Gordon, Baltimore, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application January 16, 1946, Serial No. 641,945
4 Claims. (Cl. 332—14)



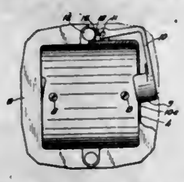
1. In a system for generating position modulated energy pulses, the combination which comprises: a relaxation oscillator generating a square wave output, said relaxation oscillator comprising two electron discharge tubes, the anode of each of which is capacitively coupled to a control electrode of the other; means stabilizing the recurrence frequency of said square wave output by the application of synchronizing pulses to the control electrode of one of said electron discharge tubes; a source of modulating voltage; means varying the control electrode potential of the other of said electron discharge tubes in accordance with said modulation voltage; means differentiating the output of said relaxation oscillator, thus producing two alternating series of energy pulses, one of said series being of uniform spacing conforming to the spacing of said synchronizing pulses and the other position modulated as a function of said modulating voltage; and means eliminating said uniformly spaced pulses.

2,470,029
GRADE INDICATOR
Adolph P. Gubrud, Hudson, S. Dak.
Application February 11, 1946, Serial No. 646,935
2 Claims. (Cl. 33—209)



1. A grade indicator comprising an endless tubular member including a front vertical tube, a transparent rear vertical tube, a horizontal tube between the upper ends of said vertical tubes, a reduced diameter horizontal tube connected at one end to the lower end of said front tube, a reduced diameter horizontal tube connected at one end to the lower end of said rear tube parallel to said first reduced tube, a graduated level indicating card on said transparent tube, and a horizontal connecting tube between the free end of said reduced diameter tubes, said latter tube being of a diameter greater than said reduced tubes.

2,470,030
TOILET PAPER DISPENSING APPARATUS
Martin Habuda, Thoroid, Ontario, Canada
Application September 7, 1948, Serial No. 48,090
4 Claims. (Cl. 242—55.2)



1. A dispensing holder for a paper roll comprising a housing, a pair of arms each pivoted on the housing, a paper roll engaging projection on one end of each of the pair of arms, yieldable means for normally retaining the paper roll engaging ends of said arms toward each other in paper roll engaging position, a push button, and means connecting the push button with the other end of each of said pair of arms for swinging the paper roll engaging ends of said arms away from each other to disengage a paper roll.

2,470,031
ADJUSTABLE HOUSE DRESS
Margaret L. Harris, Hamilton, Mont.
Application January 2, 1947, Serial No. 719,775
2 Claims. (Cl. 2—76)

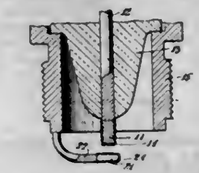


1. A house dress including a skirt having its lower portion turned inwardly and upwardly to form a wide hem composed of inner and outer layers, spaced lines of stitching securing said layers together at the top of the inner layer, said inner layer having an upward fold that extends upwardly between the layers of the hem, and manually operable means attached to said fold and extending upwardly between said lines of stitching and said layers to adjust the depth of said fold to lengthen or shorten the dress.

2,470,032
VAT DYESTUFFS
Robert Norman Heslop, Francis Irving, and Allstair Livingston, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 14, 1945, Serial No. 610,869. In Great Britain August 15, 1944
1 Claim. (Cl. 260—276)

6 - butanesulphonylbenzoylamino - 3′:4′ - phthaloylacridone.

2,470,033
SPARK PLUG
Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application November 27, 1945, Serial No. 631,205
2 Claims. (Cl. 123—169)

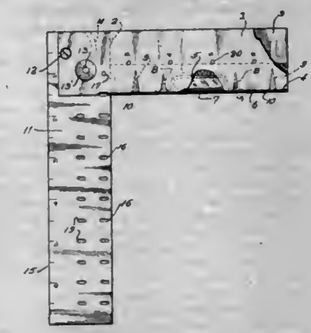


2. A spark plug comprising a pair of spaced electrodes, at least the sparking areas of said electrodes being formed of nickel the surface of which has been roughened, and an electrodeposited coating of palladium over said nickel surface, the surface of said electroplated coating conforming to the configuration of the said nickel surface.

2,470,034
ELECTRIC CONTACT FORMED OF A RUTHENIUM COMPOSITION
Franz R. Hensel, James W. Wiggs, and Vernon E. Heil, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application November 27, 1945, Serial No. 631,206
4 Claims. (Cl. 75—172)

1. An electric contact formed of a metal composition consisting of 60 to 95% by weight of ruthenium, .5 to 20% by weight of cobalt, and the balance all gold.
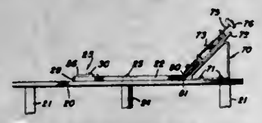
2,470,035
SQUARE
Clyde Hudkins, Moundsville, W. Va.
Application January 10, 1946, Serial No. 640,329
2 Claims. (Cl. 33—112)



1. In a square of the class described, an oblong handle having a working side edge with a longitudinal slot in the other side edge thereof, an elongated blade of the same width as said handle

pivoted at one end in one end of the handle for folding edgewise into said slot and unfolding selectively out of said slot into right angular relation to said working edge or into longitudinal alignment with said handle with opposite side edges of the blade aligned with opposite side edges of the handle, a facing strip on said working edge having a stop forming end engaged by said blade when said blade is unfolded into right angular relation, and means for adjustably securing said strip to said working edge to vary the position of said stop forming end and true up said blade in said right angular position of the same.

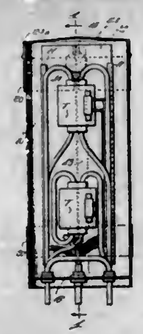
2,470,036
PIVOTED BENDER WITH ABUTMENT ROLLER ADJUSTABLY MOUNTED ON VERTICALLY INCLINED BRACKET
Albert E. Lemay, Bath, Maine
Application November 7, 1944, Serial No. 562,355
1 Claim. (Cl. 153—40)



A bending machine for metal stock comprising a support including a table, a substantially circular plate rotatively journalled on said table, a shaft secured to said plate and extending through said table for rotating the plate, means adjustably secured to said plate for attaching metal stock to the plate, an angularly disposed bracket secured to said table, a second bracket having a shoulder and a slot, a roller journalled on said second bracket adjacent said plate, a substantially U-shaped bracket, seated on said second bracket, pins secured to said angularly disposed bracket extending through said slot and clampingly engaging said U-shaped bracket, threaded means adjustably received in said U-shaped bracket engaging said shoulder for adjustment of the second bracket and roller to selected positions of proximity relative to said plate.

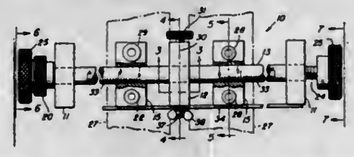
2,470,037
ELECTRICAL METERING ASSEMBLY
John S. Liddle, Frank R. Horton, and Eph A. Armstrong, El Dorado, Ark.
Application July 9, 1946, Serial No. 682,180
3 Claims. (Cl. 174—52)

1. In electric metering assemblies of the transformer type designed for outdoor service, and in combination, an open-ended tubular housing shell with its axis extending substantially vertical, said shell having internal opposed vertically-extending guides secured thereto, a vertically-extending plate carrying metering equipment of the metering transformer type positioned by said guides in spaced relation to such axis, said plate having a vertically-extending angular reinforce and also having a planar bottom extending at right angles to the direction of length of the plate, said bottom being dimensioned to close the bottom zone of the housing shell and having means adapted to potentially provide for the passage of transformer circuit connections, disengageable means cooperative with the upper end zones of the reinforce and the shell for supporting said plate within the housing, a removable cover for the upper end of the shell, and external means for supporting the housing, said plate forming the support for the transformer equipment and forms therewith a unit bodily positionable within and removable from the housing by movements lengthwise



of the housing shell, whereby production of the unit assembly may be provided independently and with service attention provided without disturbing the position of the housing shell.

2,470,038
DOWELING JIG
Gleeman D. Long, Sterling, Kans.
Application August 25, 1947, Serial No. 770,433
3 Claims. (Cl. 77—62)

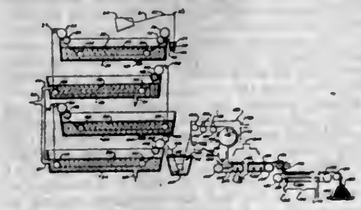


1. A dowelling jig comprising in combination, a pair of side plates and a center plate disposed in spaced relation therebetween, a pair of guide rods securing said plates together, a pair of guide blocks slidable on said rods, said blocks being disposed at the relatively opposite sides of said center plate and being equidistant therefrom, drill bushings provided in said blocks, an actuating shaft extending through and rotatable in said plates, a left-hand screw thread on one end portion and a right-hand screw thread on the remaining end portion of said shaft, each of said blocks being formed with a screw-threaded bore adapted to operatively engage one screw-threaded portion of said shaft, and clamping screwa provided in said side plates whereby pieces of work may be clamped simultaneously against opposite sides of said center plate.

2,470,039
APPARATUS AND PROCESS FOR MAKING FILAMENTS
Edward E. Lovig, Chicago, Ill.
Application May 4, 1945, Serial No. 591,904
10 Claims. (Cl. 28—76)

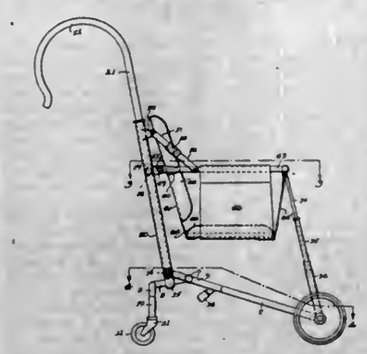
1. A process of making a kinky filament, comprising the steps of taking a cellulose strand, immersing said strand in a bath of sulfuric acid

solution, removing said strand when it has acquired a gelatinous outer layer, but before the core of said strand has been substantially treated by said acid solution, rinsing said gelatinous coated strand in water until the same is substantially free of acid, immersing said strand thereafter in a bath of weak ammonia solution to neutralize any acid remaining on said strand after the water rinse, rinsing said strand there-



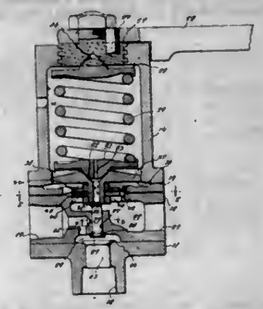
after in water until the ammonia is washed off, then removing excess liquid from said strand, thereafter immersing said strand in a bath of sodium silicate until it has acquired a film of said sodium silicate, moistening said film, curling the filament while said film is moist, partially drying said film, corrugating the curled filament while partially dry, and thereafter baking said filament to permanently set the curls and corrugations and permanently kink the strand.

2,470,040
COLLAPSIBLE PERAMBULATOR
James D. Mackin and Erick W. Bergmann, Monroe, Mich.; said Mackin assignor to said Bergmann
Application June 29, 1945, Serial No. 602,190
18 Claims. (Cl. 280—41)



1. A collapsible perambulator comprising a front axle, wheels carried thereby, a bottom frame pivotally attached to said axle and extending rearwardly therefrom, a post structure pivotally attached to the rear portion of said frame and extending upwardly therefrom, a collapsible prop pivotally attached to said axle and extending upwardly therefrom, an upper frame pivotally mounted on said prop and post structure, a seat supported by said upper frame, a rear wheel assembly carried by said bottom frame.

2,470,041
VALVE STRUCTURE
John W. Marsh, Alexandria, Va.
Application August 8, 1945, Serial No. 609,547
14 Claims. (Cl. 303—53)

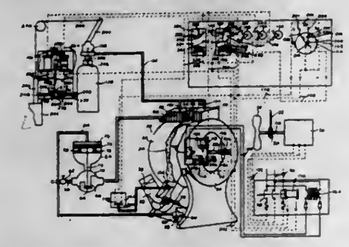


1. A fluid pressure control valve comprising a housing having a plurality of ports including an inlet port, a control pressure port, and an outlet port, a brake chamber communicating with said outlet port, a pair of fluid-tight elements of unequal area defining a closed chamber, said fluid-tight elements being interconnected for conjoint reciprocating movement, the exterior face of one of said fluid-tight elements being subject to fluid pressure in said outlet port and the interior faces of both of said elements being subject to fluid pressure in said control pressure port, resiliently compressible means applied to said fluid-tight elements to oppose said fluid pressure in said outlet port, means to operatively control the pressure exerted by said resiliently compressible means, an exhaust conduit extending through said fluid-tight elements and leading from the brake chamber to the external atmosphere, a multiple valve element provided with a plurality of valve portions, a fixed seat for one of the valve portions normally closing the inlet ports to the brake chamber, and a valve seat provided on the inlet end of said exhaust conduit adapted to be closed by a second portion of the valve element, the fixed seat of the valve element being opened by a reduction in control pressure acting between said diaphragms, thereby venting fluid under pressure in the inlet port to aforesaid chamber and aforesaid outlet port.

2,470,042
PROCESS FOR FLAMEPROOFING COMBUSTIBLE CELLULOSIC MATERIAL AND PRODUCT RESULTING THEREFROM
Andrew McLean, West Kilbride, and Stanley Frederic Marrian, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 21, 1946, Serial No. 711,464. In Great Britain November 26, 1945
12 Claims. (Cl. 117—137)

1. A process for flame-proofing a combustible cellulosic material which comprises impregnating said material with a polyethyleneimine and then treating the impregnated product with an aqueous solution of the reaction product resulting from the interaction of dipentaerythritol, orthophosphoric acid, and phosphorus pentoxide.

2,470,043
APPARATUS FOR DRYING HAVING SAFETY AND SEQUENCE CONTROLS
Nicholas Monsarrat, Rumford, R. I., assignor, by mesne assignments, to Pantex Manufacturing Corporation, a corporation of Delaware
Application April 15, 1942, Serial No. 439,027
42 Claims. (Cl. 34—45)

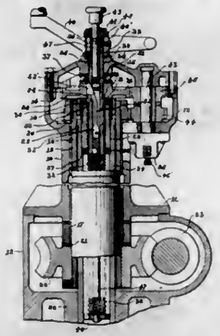


1. Apparatus for drying, comprising a casing, a garment containing basket movable within said casing, duct means in said casing for passing drying air through said basket including an inlet duct to said basket and an outlet duct from said basket, means to circulate a current of drying air through said duct means and basket, means to preheat said air prior to passage through said basket, means including thermostatic means in said outlet duct immediately adjacent said basket controlled by the temperature of the air in said outlet duct immediately adjacent said basket reduced by the latent heat of evaporation of cleaning fluid in said garments in said basket for controlling said preheating means to maintain the temperature of the air containing cleaning fluid after contact with said garments below a predetermined non-inflammable degree, means to move said basket, means to actuate said air circulating means, a signal indicating normal operating movement of said basket and a signal indicating completion of the proper time interval of movement of said basket, timer means and means including means controlled by said timer means settable for adjustably variable time controlled intervals of operation of said timer means for changing signals, means including thermostatic means in said outlet duct controlled by the temperature of air in said outlet duct immediately adjacent said basket operable when the temperature rises above said predetermined degree and signal means actuated by said last means including thermostatic means, for indicating rise of temperature of the air in the outlet duct immediately adjacent said basket above said predetermined degree.

33. Apparatus for drying, comprising in combination, a casing having a door, a garment containing perforate basket movable within said casing, means for passing drying air through said basket including an inlet duct to said casing and an outlet duct from said casing and means to circulate a current of drying air through said ducts and basket, means to preheat said air prior to passage through said basket, electric motor means for moving said basket and actuating said air circulating means, an electric circuit for actuating said motor means, means for flooding said casing with fire inhibiting fluid, normally inactive electric control means for rendering said flooding means operative on a failure of current in said electric circuit and thermostatic means in said apparatus in the path of said drying air operative above a predetermined temperature of said drying air to render said control means active.

35. Apparatus for drying, comprising in combination, a casing having an opening in a wall thereof, a door for closing said opening, a perforate basket movable within said casing, means for passing drying air through said basket including an inlet duct to said casing and an outlet duct from said casing and means to circulate a current of drying air through said ducts and basket, means to preheat said air prior to passage through said basket, means to move said basket, means to actuate said air circulating means, means movable to a position simultaneously latching said door in closed position and starting operation of said air circulating and basket moving means, means for retaining said latching means in latching position, means for moving said retaining means to position to release said latching means and means including thermostatic means in said apparatus in the path of said drying air, operable to prevent actuation of said moving means for the retaining means to position to release the door latching means while the temperature of said drying air is above a predetermined degree.

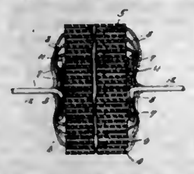
2,470,044
DRILLING MACHINE
Frank H. Mueller and John J. Smith, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application May 27, 1946, Serial No. 672,610
8 Claims. (Cl. 77—33)



1. Apparatus of the class described comprising a support, a boring bar mounted in said support and guided for rotation and axial reciprocation, means for rotating said boring bar, a feed nut carried by said boring bar and positioned within the same, a separate feed screw mounted in said support and engaging said nut, drive means for the feed screw, and means including a member driven with the boring bar in the direction of advance for arresting the action of the drive means after predetermined advance of the boring bar.

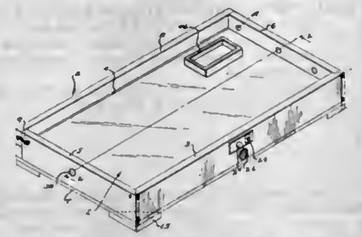
2,470,045
CONDENSER CONSTRUCTION
John J. Nagy, Arlington, Va.
Application November 7, 1945, Serial No. 627,262
1 Claim. (Cl. 175—41)

A condenser, comprising insulating strips and conductor foil strips, each conductor foil strip having a straight edge and a tapered edge providing a wide portion and a narrow portion, said conductor foil strips and insulating strips being laid one upon another, the side edges of the foil strips extending beyond the side edges of the insulating strips, the strips being wound



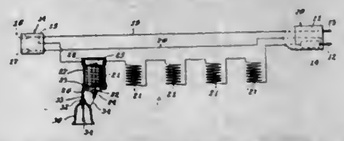
together comprising central short contacts and long outer contacts at the ends of the condenser, leads having coils positioned against the short contacts, and said long contacts being pressed over the coils, securing the leads to the contacts.

2,470,046
ELECTRIC INCUBATOR
James W. Napier, Macon, Ga.; Margaret H. Napier executrix of said James W. Napier, deceased
Application July 11, 1946, Serial No. 682,767
3 Claims. (Cl. 119—37)



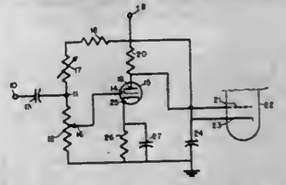
1. Electric incubator comprising a rectangular cabinet having surrounding front, back, and end walls, and a horizontal bottom and removable top, a flat sheet metal imperforate partition above said bottom and parallel thereto having its edges engaging said surrounding walls and being supported thereby, dividing said cabinet into lower and upper chambers, a system of battens secured to said bottom including opposite pairs convergent inwardly from the corners of said bottom, terminating in apices spaced apart in the longitudinal medial line of said bottom, and a pair of spaced parallel battens extending from the front of said cabinet toward said medial line between said apices forming a space to receive a thermostat, series of correspondingly spaced upright pins on said battens, and a heating element comprising a resistance wire wound serially about corresponding pins of each series, reversed in direction at each of said parallel battens whereby the space between them is free from wiring, a thermostat operatively connected with said heating element carried by the front wall of said cabinet extending into said space and having manual control means at the exterior of said front wall, a horizontal egg rack fitting said cabinet supported by the edge margins of said partition including a floor of spaced slats out of contact with said partition, and a rectangular reciprocable egg turning frame slidable upon said slat floor, being shorter than the interior or said cabinet in the direction of its reciprocation and having an operating handle extending freely through a hole in an end wall of said cabinet, said bottom and top having central ventilating holes, and at least one of said surrounding walls having bi-passages placing said lower and upper chambers into communication.

2,470,047
PORTABLE STRING OF SOUND PRODUCING DEVICES
Edwin J. Nicorvo, South Amboy, N. J.
Application June 23, 1948, Serial No. 34,676
8 Claims. (Cl. 177—7)



1. A portable electric decorative set of bells comprising a connector having a pair of electrical contacts capable of being electrically connected to an ordinary live electric female plug in a home, a plurality of solenoid windings, a plurality of bell elements, striker elements for said bell elements, means movable upon the electrical energization of said windings, said means associated with said bell elements and striker elements for moving one of said elements relative to the other, circuit making and breaking means, each of said windings, said circuit making and breaking means and said contacts being in series, said circuit making and breaking means being automatically operable to make and break the circuit made when said contacts are electrically connected to said live female plug.

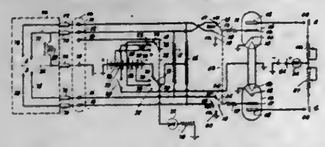
2,470,048
TELEVISION RECEIVER
Frank R. Norton, Towson, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application May 31, 1946, Serial No. 673,292
3 Claims. (Cl. 315—22)



1. In a television circuit comprising a video amplification channel and a picture tube, said amplification channel comprising a final stage having a control electrode, an input circuit and an anode circuit and said picture tube having a control electrode and a cathode; a load impedance in said anode circuit; means connecting said control electrode and cathode of said picture tube across said impedance; a source of plate supply voltage for said final stage and a voltage divider in said input circuit, said voltage divider being connected between said source and the control electrode of said final stage and being variable to simultaneously vary the amplitude of the video signal and the magnitude of the control

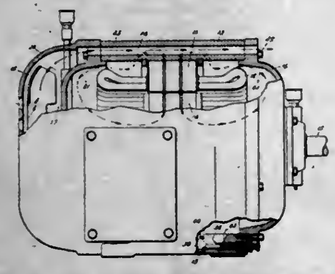
electrode bias of said stage, thereby controlling the contrast of the picture on said picture tube while maintaining constant the black level thereof.

2,470,049
VIBRATOR TEST CIRCUIT
Marvin E. Nulsen, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application November 21, 1944, Serial No. 564,529
4 Claims. (Cl. 175—183)



1. A testing arrangement for a vibrator including a reed, a pair of contacts cooperating with said reed and electromagnetic driving means for said reed; comprising a pair of contact terminals adapted to be respectively connected to said contacts, a reed terminal adapted to be connected to said reed, a load having its ends connected to said contact terminals, a source of direct current having its positive pole connected to said reed terminal and its negative pole connected to a point of said load, a tube having an anode, a cathode and a control grid, a connection between one of said contact terminals and said control grid, a connection between said reed terminal and said cathode, and an indicator of the average current type connected in the anode circuit of said tube, said tube being biased to cut off when said load is disconnected from said source.

2,470,050
DRAIN ARRANGEMENT FOR ENCLOSURES SUCH AS ENCLOSURES OF EXPLOSION-PROOF MOTORS OR THE LIKE
Gustav E. Petterson, Florham Park, N. J., assignor to Continental Electric Company, Inc., Newark, N. J., a corporation of New Jersey
Application February 5, 1946, Serial No. 645,568
20 Claims. (Cl. 172—36)



1. In a drain arrangement for enclosure structure, such as an enclosure of an explosion-proof electric motor: a duct structure for a lower wall member of said enclosure having an elongated passage for connecting the interior to the exterior of the enclosure and draining liquid accumulating in the enclosure to the exterior thereof; an elongated plunger member longitudinally movable in said passage between an inner receiving position and an outer delivering position; the cross-sectional area of a trap portion of the length of said passage being larger than the cross-sectional area of a trap portion of the length of said plunger member extending therethrough when said plunger member is in the receiving position to form between the trap portions of the passage and the plunger member a trap compartment receiving liquid from said enclosure when said plunger member is in the receiving position; an inward ejecting portion of the length of said plunger member being of a greater cross-sectional area than the trap portion of the plunger member for causing said ejecting portion to eject liquid from the compartment to the exterior of the enclosure when said plunger member is moved from said receiving position to said delivery position; the outwardly facing surface of said plunger member and the inwardly facing surface of said passage being so shaped that in all positions of the plunger member over a predetermined stroke range said facing surfaces confine the flow of fluid through said passage to gap-like passage elements of sufficiently small cross-section and sufficient passage length so as to quench ignited gases flowing from within the enclosure before they leave the exterior end of the passage.

2,470,051
ELECTRICAL IMPEDANCE FILAMENT AND THE METHOD OF MAKING SAME
Arthur C. Ruge, Cambridge, Mass., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application June 14, 1947, Serial No. 754,749
5 Claims. (Cl. 201—63)

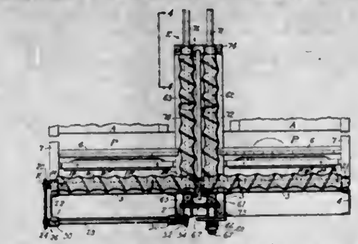


1. An electrical resistance filament having a substantially zero change of electrical resistance in response to temperature change, comprising a continuous body portion of electrically conductive material substantially uniform in cross section along its length, and a coat of substantially uniform cross sectional area, on said body, of electrically conductive material having a change of electrical resistance in response to temperature change different and of opposite sign from that of said body and of a thickness so that the filament has an overall substantially zero resistance change in response to temperature change.

2,470,052
BALL RETURN MECHANISM FOR BOWLING PIN SETTING MACHINES
Rupert E. Rundell, Rockville Centre, and Gustaf E. Haguist, Brooklyn, N. Y., assignors to American Machine and Foundry Company, a corporation of New Jersey
Application October 30, 1942, Serial No. 463,922
37 Claims. (Cl. 273—49)

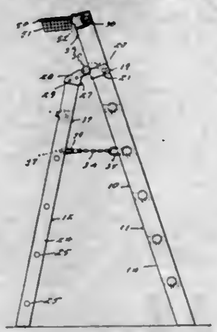
1. In a bowling ball return device for use with bowling alleys, a ball return runway having an elevated ball receiving portion, means on said runway for receiving a ball at one end of an alley and returning said ball to a player at the other end thereof, a conveyor extending along said portion and located at the receiving end of said runway and coacting with said first-named means for imparting positive motion to said ball to move said ball along said runway, mechanism for driving said conveyor, including means for increasing the rate of travel thereof operable as a result

of a ball moving thereon, and mechanism for automatically forwarding and guiding a ball to be



returned into the range of operation of said ball receiving means and conveyor.

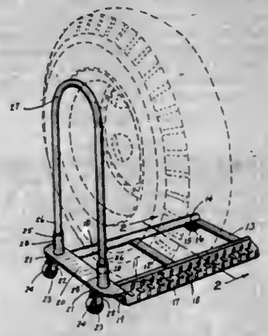
2,470,053
CONVERTIBLE STEPLADDER
Raymond R. Salisbury, Ann Arbor, Mich.
Application July 8, 1946, Serial No. 682,015
1 Claim. (Cl. 228—68)



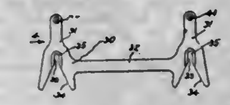
In a combination step and extension ladder having hingedly connected front and rear section a releasable locking means for locking the front and rear ladder sections in aligned position, said locking means comprising locking members carried by one of said ladder sections, rearwardly diverging flanges on said locking member, a wedge-shaped keeper fixed to said member between said flanges and spaced inwardly from the ends thereof, locking members carried by the other of said ladder sections, rearwardly diverging flanges on said latter members slidably engaging said first mentioned flanges and spacing said latter members from said first mentioned members, a spring-pressed hook on said latter members between the flanges and ends thereof engageable with said keeper for locking said ladder sections together, and a hook releasing member carried by said hook extending beyond one end of said locking members.

2,470,054
TIRE WHEEL CREEPER
Henry C. Schildmeier, Indianapolis, Ind.
Application March 28, 1945, Serial No. 585,313
3 Claims. (Cl. 280—49)

1. A non-cocking, tire casing accommodating creeper comprising in combination a pair of substantially parallel tubes, means disposed transversely thereof at opposite ends of the tubes and forming an open type tire casing supporting base wherein the lower portion of the casing may rest, caster wheel means at each of the resulting corners of the base, a plate disposed transversely of the tubes at one end thereof and including upwardly directed sockets disposed near the ends of the said plate, inverted U-shaped handle means having its ends seated in said sockets, and an apron extending downwardly from an upper portion of one tube and outwardly therefrom and the base and rigid and substantially coextensive therewith.



2,470,055
SLIVER CONDENSING DEVICE
Otto W. Schlums, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application August 31, 1945, Serial No. 613,731
2 Claims. (Cl. 19—131)

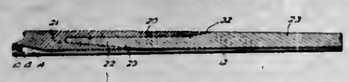


1. In a long draft apparatus having a pair of draft rolls and having a pair of aprons rearwardly adjacent thereto, in combination, a sliver condensing device positioned between said rolls and said aprons and normally engaging rear surfaces of said pair of draft rolls, said device being normally supported by the slivers only, and having rearwardly projecting lugs each engaging an apron and being supported thereby when the associated sliver is missing.

2,470,056
ROTOR BLADE
Charles M. Seibel, Kenmore, N. Y., assignor to Bell Aircraft Corporation, Wheatfield, N. Y.
Application October 23, 1946, Serial No. 705,203
6 Claims. (Cl. 170—159)

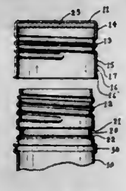
1. A rotor blade comprising a beam-like structure disposed interiorly of the contours of the blade, said beam-like structure including a pair of beam flange portions formed of relatively strong wood and extending from the root of said blade in spaced relation, one of said pair extending

along the entire leading edge and the other of said pair extending along the trailing edge portion of said blade and terminating at approximately the mid span of the blade, a beam web portion



formed of relatively strong wood interconnecting said flange portions, and filler members formed of relatively light weight wood cemented to said beam-like structure and shaped to define the exterior surfaces of said blade.

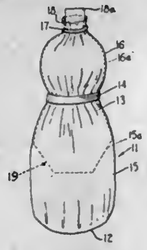
2,470,057
TAMPERPROOF SCREW CLOSURE
Donald L. Spender, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application December 6, 1945, Serial No. 633,099
3 Claims. (Cl. 220—39)



1. A tamper-proof closure member comprising a container having a cylindrical open end with a threaded section adjacent said open end, a continuous circumferential recess disposed in the outer wall of said container immediately below the threaded section, a threaded cap member for closing the open end of the container and having a cylindrical skirt section extending beyond its threaded section, and axial locking lug means formed in the skirt section of said cap and initially lying in the plane of said skirt, said lug means having an inverted U-shaped clearance slot circumscribing three of its sides and being connected to said skirt by frangible bridging members adjacent the lower end of said skirt, said cap member being of relatively inert material such that after assembly to the container said lug means may be manually bent inwardly from its initial position to lie within the area of said container recess at any position that the cap may be threaded to for complete assembly upon said container.

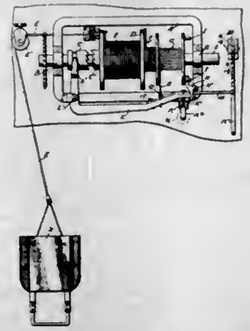
2,470,058
NOVELTY PACKAGE
Stanley B. Stefan, Hamtramck, Mich., assignor of fifty per cent to Jane H. Stefan, Hamtramck, Mich.
Application June 29, 1945, Serial No. 602,339
3 Claims. (Cl. 46—151)

1. A combination candy bag and paper doll of the class described comprising a paper bag adapted to be filled with candy, or the like, the central portion of said bag being gathered to define upper and lower body portions, the bottom being substantially flat, the mouth of the bag being open and also gathered and retained in gathered state to form a neck, and an insert in said bag having a restricted central portion and upper and lower coacting portions cooperating with the upper and lower body portions of the bag, the upper portion of said insert having an



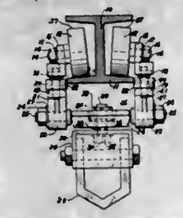
extension projecting upwardly through and beyond said neck.

2,470,059
SAFETY DEVICE
Harvey P. Watson and George W. Rogers, Louisville, Ky.
Application March 20, 1945, Serial No. 583,744
4 Claims. (Cl. 254—173)



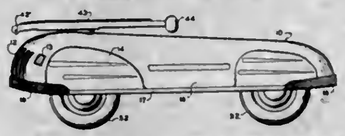
1. A safety attachment for an automatic power operated car unloader, including the cable drawn shovel, the cable winding mechanism and the power control clutch thereof, said attachment comprising an extension from said control clutch, an actuating lever adjacent the free end of said extension, a flexible connection between said actuating lever and said extension, a barrier adapted to be positioned across the door opening of said car above the cable to said winding mechanism, a sheave supported above said actuating lever, a flexible element trained over said sheave and having one end connected to said actuating lever, a counter-weight carried on the other end of said flexible element, a trip-latch normally taking the strain of said counter-weight from said flexible element, and means connecting said barrier with said trip-latch for its actuation to release said counter-weight, whenever the barrier is forcibly contacted by a person entangled in the cable between said shovel and the barrier, the pull of the counter-weight on said flexible element acting to operate the actuating and control levers to disconnect said power from said winding mechanism.

2,470,060
FOUR-WHEEL TROLLEY BRACKET
Jervis B. Webb, Bloomfield Hills, and Andrew G. Rose, Detroit, Mich., assignors to Jervis B. Webb Company, Detroit, Mich., a corporation of Michigan
Application June 10, 1946, Serial No. 675,521
4 Claims. (Cl. 105—154)



1. A four wheel trolley conveyor assembly for dirigible movement along an overhead conveyor track, said assembly comprising two longitudinally spaced pairs of opposed trolley brackets, each of said brackets having a single load supporting trolley wheel rotatably mounted at its upper end upon a transverse axis, pivotal means for connecting said opposed brackets together at their lower ends in laterally spaced relationship permitting relative articulation of said brackets about a transverse axis, a load supporting member common to said longitudinally spaced pairs of brackets, and a pivotal connection between each opposed pair of said brackets and said member for pivotal movement about a vertical axis.

2,470,061
WAGON
John Delbert Wheeler, Detroit, Mich., assignor to American Metalcraft Corporation, Detroit, Mich., a corporation of Michigan
Application January 7, 1947, Serial No. 720,627
8 Claims. (Cl. 280—87.01)



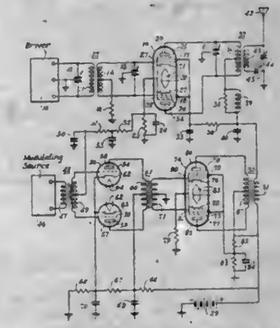
2. In a vehicle a body comprising a one-piece metal shell-like structure simulating an automobile said body having an outer portion forming substantially upright sides and ends thereof said outer portion being provided with a reinforced lower edge, resilient bumper members secured to said reinforced lower edge at the front and rear of said body, the upper part of said outer portion being curved gradually inwardly and defining an inner side wall and a substantially horizontally disposed intermediate load supporting portion located at an elevation between the top and the bottom of said outer portion with front and rear sections of said load supporting portion disposed at different elevations and providing a corresponding difference in clearance therebeneath the section of said intermediate load supporting portion disposed at the higher elevation having a post receiving opening, an inclined flat portion connecting said load supporting portions and a simulated instrument panel on the inner surface of said inclined flat portion, corrugations or depressions provided in said outer portion at the front of said body and constructed and arranged to reinforce said body and simulate a radiator grille, an axle carrying member fastened beneath each of said front and rear sections, an axle carried by each of said axle carrying members, wheels rotatably mounted on said axles adjacent the outer ends thereof, a tubular post in said receiving opening rotatably mounting one of said axle carrying members beneath the section affording the greater clearance, steering and pulling means secured to the upper end of said tubular post, said wheels and associated axle supports being enclosed within said outer portion whereby damage due to collision or the like is minimized.

2,470,062
PRECOATED MATERIAL AND DRY LUBRICATING COATING COMPOSITION THEREFOR
Roland A. Whitbeck, Lorain, Ohio, assignor to Gilron Products Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 8, 1948, Serial No. 53,591
17 Claims. (Cl. 252—18)

5. A coating material for admixture with water for coating a piece of blank metal stock and forming thereon a permanent, self-adherent dry homogeneous lubricating and protecting film consisting essentially of the following ingredients by weight:

	Per cent
Water-soluble high titre soap having a melting point of from about 36 to 42	10 to 33
Borax	90 to 67

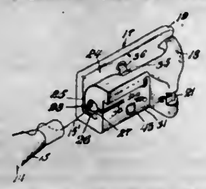
2,470,063
MODULATOR SYSTEM
Henry T. Winchel, Roscoe, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 21, 1944, Serial No. 523,303
4 Claims. (Cl. 332—38)



1. In apparatus for modulation of a carrier wave by a signal wave; a modulation amplifier tube having a cathode, a control grid and an anode; a source of carrier waves and means for applying them between said cathode and said grid; a load circuit coupled to the anode and cathode of said tube; a variable mu signal-amplifier tube having a cathode, a control grid and an anode, the amplification of which increases with increasingly positive bias on its

grid; a source of signal waves and means for applying them between said grid and cathode of said signal amplifier tube; a source of unidirectional anode potential and means connecting its positive terminal to the anode of said modulation amplifier tube; means negatively biasing the grid of said modulation amplifier tube to such extent that the average cathode current increases with increasing signal output; means intercoupling the anodes of said tubes for applying amplified signal waves from said signal amplifier tube to said anode of said modulation amplifier tube; resistance means connected between the negative terminal of said potential source and the cathode of said modulation amplifier tube for developing a potential on said cathode that is increasingly positive relative to said negative terminal with increasing cathode current; and means for applying said cathode potential to the grid of said signal amplifier tube to bias it; whereby variations in the cathode current of said modulation amplifier tube continuously produce corresponding variations in the amplitude of the signal wave.

2,470,064
YARN GUIDING BLOCK FOR WEAVING SHUTTLES
Seth Wood, Pawtucket, R. I.
Application December 1, 1948, Serial No. 62,885
9 Claims. (Cl. 139—223)

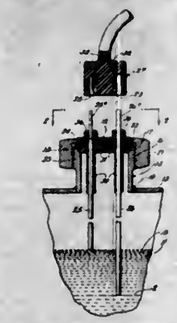


1. A shuttle guide block to be disposed between the end of the bobbin chamber and the tip of the shuttle, said block being a solid one-piece structure having a longitudinal yarn entrance slot extending throughout the length of the block from its top surface downwardly, a substantially cylindrical yarn guiding tunnel of uniform diameter also extending longitudinally through a substantial part of the length of the block but laterally spaced from said slot and a threading passage throughout the length of the tunnel and extending from said slot beneath said tunnel and entering said tunnel on the opposite side of the center thereof from said slot to leave a distinct bottom wall between said tunnel and passage for the length of said substantially cylindrical tunnel.

2,470,065
EMULSION POLYMERIZATION OF BUTADIENES
Carl E. Barnes, Belvedere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 11, 1944, Serial No. 549,115
9 Claims. (Cl. 260—23.7)

1. In the process of polymerizing a butadiene-1,3 hydrocarbon and styrene in aqueous emulsion in the presence of an emulsifying agent and a polymerization catalyst, the improvement which comprises conducting the polymerization in the presence of an emulsifying agent which is a water-soluble soap of a fatty acid having from 12 to 18 carbon atoms and of about 5–10% by volume on the total volume of the emulsion of an inert water-soluble organic solvent for the soap.

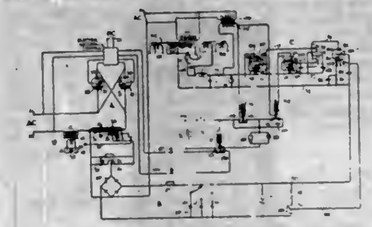
2,470,066
ELECTRODE ASSEMBLY
George V. Calabrese, Chicago, Ill., assignor to Lumenite Electronic Company, Chicago, Ill., a corporation of Illinois
Application March 30, 1948, Serial No. 658,399
4 Claims. (Cl. 174—152)



1. An electrode assembly comprising a base provided with an axial passage and having exterior threads on the upper portion and a lower depending skirt adapted to be secured within an opening in a tank wall, the outer end of said base providing a seating surface of inverted frusto-conical form, an electrode supporting member comprising an electrical insulating disc having a marginal wall on the lower side thereof of frusto-conical form adapted to seat on and provide self-centering sealing contact with said seating surface of said base member and to cooperate with said seating surface to effect disposal of said disc in a plane normal to the axis of said passage, an electrode supported by said disc and extending through the same and through the passage of said base for contact at the inner end with a fluid in the tank and provided with a jack terminal at the outer end, said electrode having an insulating sheath secured to the outside thereof in fluid-tight relationship on the underside of the disc, and a cylindrical clamping member having an axial passage therethrough and having an internally threaded lower portion adapted for coaction with the exterior threads of said base and having a flange at the outer end extending inwardly for engagement with a marginal portion of said disc for clamping the same firmly between said member and base with the conical walls of the base and disc in sealing contact with the electrode terminal projecting outwardly through said clamping member.

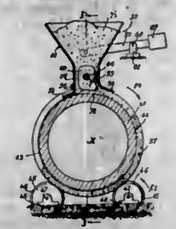
2,470,067
WELDING CURRENT INDICATOR AND LOCKOUT
Edwin M. Callender, Cynwyd, Robert S. Phair, Philadelphia, and Herbert D. Van Selver, Merion, Pa., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 24, 1944, Serial No. 523,692
5 Claims. (Cl. 177—311)

4. A current limit indicator comprising a main circuit, a control circuit operable on energization to initiate supply of variable current in recurrent intervals to said main circuit, a current transformer connected to said main circuit, a rectified current branch circuit including a direct current rectifier connected across said transformer, a capacitor and resistor connected across said rectifier, a constant potential circuit including a load tube having an anode, cathode and control grid, connections from the cathode and grid of said tube to opposite ends of said resistor, and means connected to the anode of said tube, and dependent on variations of current through said



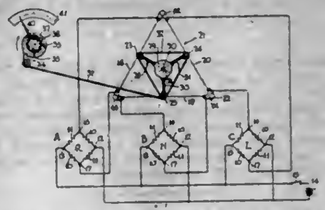
resistor, for indicating a limit of current change in said main circuit, said means comprising two parallel resistors, each having variable contacts forming voltage dividers, two gas thermionic tubes, each having an anode, a cathode and a control grid connected to one of said voltage divider contacts, a power relay connected to the cathode and anode of each gas tube, and indicating means operable by each of said relays, said voltage divider contacts being set to energize said gas tubes at predetermined limits of current flow through said resistor.

2,470,068
DEVICE FOR MOLDING AND COATING PIPES AND LIKE ARTICLES
Jean Louis Albert Contenson, Rueil-Malmaison, France, assignor to Societes Reunies Everite-Sifube, Paris, France, a French company
Application December 24, 1946, Serial No. 718,247
In France December 26, 1945
8 Claims. (Cl. 25—38)



1. Apparatus for moulding and coating pipes or like articles made of concrete or like material comprising a cylindrical support adapted to rotate about its longitudinal axis of revolution and intended to receive said material on its outer surface, means for carrying said support, means for driving the same, a hopper for conveying said material to said outer surface and comprising four walls, means for supplying said hopper with said material, a strickle secured at the base of one of the two longitudinal walls of said hopper, said strickle being parallel to the axis of said support and spaced from the external surface thereof a distance corresponding to the desired thickness of the layer of material to be coated on said support by strickling and sealing means on the base of the rear wall of said hopper, said sealing means being adapted to form a retractable joint between said hopper and the surface to be coated.

2,470,069
CENTER OF GRAVITY AND WEIGHT INDICATOR
Henry Richard Davies, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 10, 1944, Serial No. 521,798
9 Claims. (Cl. 73—65)



8. A combined gravity center and weight indicating apparatus for a support adapted to receive a load comprising an indicia plate zoned to indicate corresponding sections of the support, a pointer mounted for universal movement over said plate for gravity center indication, a weight indicator for the load on said support, an operating unit for simultaneous actuation of the weight indicator and pointer; and weight responsive means connected to said support and operating unit for activating said operating unit.

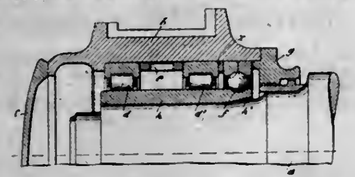
2,470,070
PROCESS FOR THE MANUFACTURE OF 2,5 DIMETHYLFURAN AND ACETONYLACETONE
Ian M. Heilbron and Ewart R. H. Jones, London, England
No Drawing. Application January 25, 1947, Serial No. 724,474. In Great Britain January 28, 1946
18 Claims. (Cl. 260—345)

1. A process for the manufacture of 2:5 dimethylfuran which comprises subjecting hex-3-en-5-yn-2-ol to the action of heat at a temperature not exceeding 100° C. in the presence of an inorganic mercuric catalyst.

2,470,071
AXLE BOX
John Leslie Hilton, Chelmsford, England, assignor to Norma-Hoffmann Bearings Corporation, Stamford, Conn.
Application December 8, 1945, Serial No. 633,644
In Great Britain May 7, 1945
1 Claim. (Cl. 308—180)

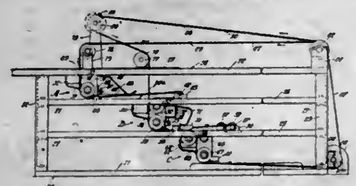
In an axle box having a casing with a bore and a shaft concentrically spaced from said bore, and having a roller bearing with its outer race ring held by the wall of said bore and having rollers, the combination of a ball bearing outer race ring circumferentially divided into two parts, held by said wall of said bore, with one part adjacent the roller bearing, a cage for the balls of the ball bearing having ball retaining pockets of a ball enclosing contour to allow radial displacement of

the balls, an inner race sleeve secured to the axle having the same outer diameter throughout with a ball race groove of smaller diameter at one end for said balls, forming a common sleeve for said balls and said rollers, and a closure member for the casing at said sleeve end and adjacent one of said outer race ring parts, whereby, upon removal of the closure member from the casing and



relative axial movement of the casing and sleeve, and with the outer race ring parts axially separated, the radial displacement of the balls in the cage and their removal from the smaller diameter race groove to the larger diameter of the common sleeve enables the cage retained balls and the rollers to slide along the sleeve, without removing the sleeve from the axle.

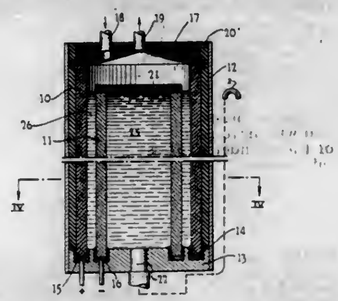
2,470,072
FOLDING MACHINE
Henry D. Lawrie, Wilmette, Ill.
Application October 18, 1946, Serial No. 704,101
4 Claims. (Cl. 270—70)



1. A device for folding shoelaces and the like comprising a plurality of separate folding stations, a pair of belts disposed adjacent to each other and interconnecting the stations, projecting means on one belt for conveying the laces progressively through the stations, and projecting means on the other belt cooperating with the first means to effect the folding at the various stations, and means for moving the belts, the projecting means remaining a constant distance apart throughout their travel through the stations.

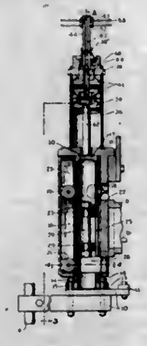
2,470,073
ELECTROLYTIC CELL AND METHOD OF OPERATING SAME
Frank S. Low, Bronxville, N. Y., assignor to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware
Application August 16, 1944, Serial No. 549,664
3 Claims. (Cl. 204—266)

1. In an electrolytic cell, a vertical annular impervious anode forming one wall of an electrolyte chamber and extending to the bottom of said chamber, a vertical annular cathode having an annular active porous area extending to the bottom of said chamber and with all of the active surface thereof at a uniform distance from the nearest active surface of the anode and axially substantially coextensive therewith so as to form an electrolyte chamber only between said active surface of the cathode and anode, a catholyte chamber on the other side of said cathode opposite said electrolyte chamber, the said electrolyte and catholyte chambers being communicably connected only through the pores of said cathode, a non-porous cover member extending into said catholyte chamber and sealing the top thereof, an inlet connected to said electrolyte chamber for introducing electrolyte into said electro-



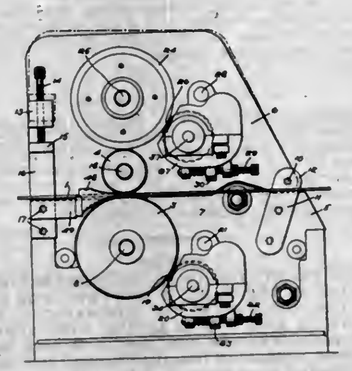
lyte chamber, a discharge outlet connected to said catholyte chamber for withdrawing catholyte therefrom, said catholyte passing through the pores of said cathode and through said discharge outlet, an outlet conduit connected to the top of said electrolyte chamber through which anodic gases can be withdrawn, and a liquid level regulator connected to the cathode discharge outlet maintaining the level of the electrolyte in the electrolyte chamber above the level of the catholyte in the catholyte chamber.

2,470,074
WELDING DEVICE
Matthew J. Manning, East Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 3, 1946, Serial No. 666,893
5 Claims. (Cl. 219—4)



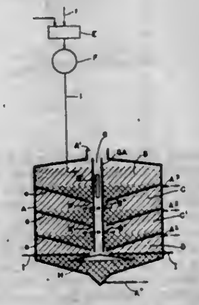
1. In a device for moving one electrode of an electric welding machine toward and away from a second electrode, a stationary cylinder having one end closed, two floating pistons in said cylinder the one behind the other, means for connecting the space between one piston and the closed end of the cylinder to a source of pressure fluid, a second means for connecting the space between the two pistons to the same source of pressure fluid, said second means including means for reducing the pressure of the pressure fluid before it enters into the space between the two pistons, and a third single-acting fluid operated reciprocating motor of less effective area than said first two pistons, means for connecting said motor to the same source of pressure fluid, said motor having a movable part engaging one of said first two pistons and a stationary part so that admission of pressure fluid to the motor will resiliently oppose movement of said pistons under the influence of pressure fluid admitted to said spaces and will move said pistons toward the closed end of the cylinder if pressure fluid is released from said spaces.

2,470,075
MACHINE FOR MARKING WIRE, CABLE, RODS, AND THE LIKE
Charles F. Robbins, Keene, N. H., assignor to Markem Machine Company, Keene, N. H., a corporation of New Hampshire
Application March 3, 1945, Serial No. 580,761
1 Claim. (Cl. 101—36)



A machine for marking wire comprising a supporting frame presenting a stationary base section having a vertically extending lower plate element, an upper vertically extending plate element situated directly above and in the same vertical plane as the lower plate element, means at one vertical edge of the lower plate element for pivotally connecting said upper plate element thereto, a shaft journaled in the lower plate element, a lower printing wheel carried by said shaft, a second shaft journaled in the upper plate element, an upper printing wheel carried by said second shaft, an inking mechanism for each printing wheel provided with an ink roll for feeding ink to the corresponding printing wheel, a sprocket wheel on each shaft, a sprocket wheel rigid with each ink roll, a drive shaft journaled in the lower plate element, a driving sprocket wheel on said drive shaft, a sprocket chain engaging all of said sprocket wheels whereby rotation of the drive shaft rotates both the printing wheels and the ink rolls, and means at the other vertical edges of said plate elements for turning the upper plate element about its pivot thereby to adjust the space between the printing rolls to accommodate the size of the wire to be printed.

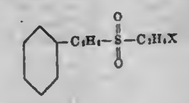
2,470,076
CLARIFICATION OF SUGAR CANE JUICE
George Thomas Warren and Reginald Albert Jordan, Gunthorpes, Antigua, British West Indies, assignors to The Dorr Company, New York, N. Y., a corporation of Delaware
Application September 30, 1947, Serial No. 776,982
13 Claims. (Cl. 127—57)



1. In the known process of continuously clarifying sugar cane juice by sedimentation and decantation in which hot limed juice is passed into a series of superposed clarifier compartments from which clarified juice is withdrawn, and in which the mud including the solids settling out of the juice in the different compartments is collected and thickened by moving elements in the lowermost of said compartments, the improvement which consists in passing sufficient lime into admixture with the mud being thickened in said lowermost compartment to substantially minimize decomposition of the mud and inversion of its sucrose content.

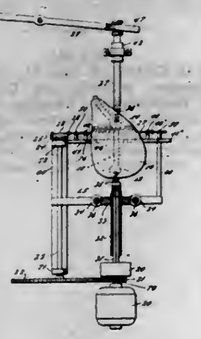
2,470,077
PHENYLETHYL SULFONES
John K. Fincke, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 12, 1948, Serial No. 8,011
3 Claims. (Cl. 260—607)

1. The compounds having the formula:



where X is selected from the group consisting of Cl and OH.

2,470,078
APPARATUS FOR SLICING HAM ON THE BONE
Harry J. Hoenselaar, St. Albans, N. Y.
Application September 7, 1944, Serial No. 552,966
2 Claims. (Cl. 146—151)



1. In a meat slicing machine for slicing a joint of meat having a bone extending longitudinally therein, the combination of: means for mounting the joint upon said bone as an axis about which to revolve the joint, a reciprocating knife for slicing the joint, means for supporting said knife at an angle other than 90° to the axis of the bone to enable a spiral cut to be made in the joint, means for longitudinally reciprocating said knife against the joint, means for tensioning said reciprocating knife against the joint, and means for simultaneously rotating the joint and advancing it past the reciprocating knife as the joint is cut.

2,470,079
GARMENT HANGER
Robert A. Kelsey, Glendale, Calif.
Application December 22, 1945, Serial No. 636,566
6 Claims. (Cl. 223—95)



1. In a garment hanger, a central support, and pant-leg supporting arms extending from the lower end of the support, each of said arms being provided at its end with garment-supporting elements spaced laterally with respect to the opposite sides of the hanger, said elements diverging upwardly and the upper ends of the elements being raised above the portions immediately inwardly thereof toward the middle of the hanger.

2,470,080
METHOD OF DYEING WITH METALLIZED DYES
Henry E. Millson, Plainfield, and Shannon Meoradian, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 18, 1946, Serial No. 677,526
20 Claims. (Cl. 8—43)

2. A method of dyeing wool with metallized dyes soluble in acid baths which comprises subjecting the material to be dyed to a dyebath containing the metallized dye and an amount, sufficient to be effective but insufficient to cause scum formation and extensive precipitation in the bath, of a water soluble condensation product of at least 16 to 18 mols of a lower alkylene oxide with a lower alkylolamide of a thermally dimerized drying oil acid.

2,470,081
ALKYLENE OXIDE CONDENSATION PRODUCTS OF DIMERIZED FATTY ACID ALKYLOL AMIDES
Jack T. Thurston, Riverside, and Ruth B. Warner, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 18, 1946, Serial No. 677,524
12 Claims. (Cl. 260—404.5)

1. Water-soluble condensation products of lower alkylene oxides of 2–4 carbon atoms with dialkylolamides of dimerized polyunsaturated fatty acids of the formula

$$HO.C_nH_{2n}.N.OC.R.CO.N.C_nH_{2n}.OH$$
(R′ above each N)

wherein R is the residue of dimerized polyunsaturated fatty acids of approximately 18 carbon atoms, n is a whole number from 2 to 4 inclusive and R′ is a member of the group consisting of hydrogen and $-C_nH_{2n}.OH$ said condensation products having from 8 to 175 mols of said lower alkylene oxide condensed therein.

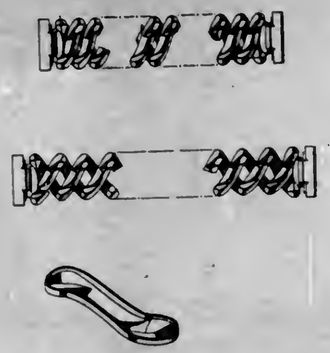
2,470,082
GAS-PRODUCING CHARGES SUITABLE FOR THE GENERATION OF GAS PRESSURE FOR THE OPERATION OF MECHANICAL DEVICES AND FOR BLASTING OPERATIONS
Alexander Thomson Tyre, Newton Stewart, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 7, 1945, Serial No. 615,105. In Great Britain September 8, 1944
7 Claims. (Cl. 52—7)

1. Gas producing charges capable of self-sustaining decomposition comprising a mixture of at least one of the compounds selected from the group consisting of nitroguanidine, guanidine nitrate, nitrodicyandiamidine, and dicyandiamine nitrate with a hypophosphite selected from the group consisting of sodium hypophosphite, calcium hypophosphite and ammonium hypophosphites, wherein the hypophosphite is from 5–35% of the total weight of the charge.

DESIGNS

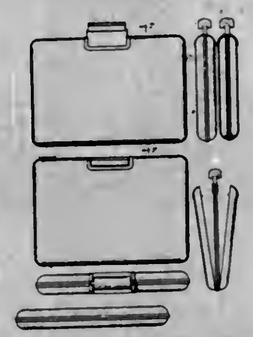
MAY 10, 1949

153,657
DESIGN FOR AN EXPANSIBLE WATCH BRACELET
Arthur Albanese, Providence, R. I., assignor to Marvel Jewelry Mfg. Company, Providence, R. I., a corporation of Rhode Island
Application January 3, 1949, Serial No. 1
Term of patent 7 years
(Cl. D45—4)



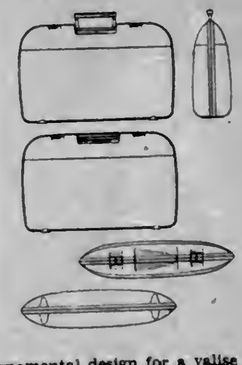
The ornamental design for an expansible watch bracelet, as shown and described.

153,658
DESIGN FOR A BRIEF CASE
Richard H. Arbib, Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 9, 1947, Serial No. 143,055
Term of patent 14 years
(Cl. D87—5)



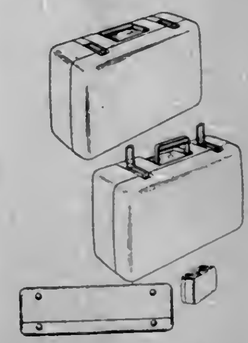
The ornamental design for a brief case, substantially as shown and described.

153,659
DESIGN FOR A VALISE OR SIMILAR ARTICLE
Richard H. Arbib, Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 9, 1947, Serial No. 143,056
Term of patent 14 years
(Cl. D87—5)



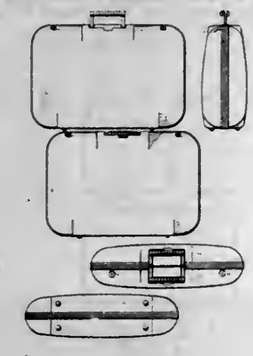
The ornamental design for a valise or similar article, substantially as shown.

153,660
DESIGN FOR A VALISE OR SIMILAR ARTICLE
Richard H. Arbib, Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 9, 1947, Serial No. 143,057
Term of patent 14 years
(Cl. D87—5)



The ornamental design for a valise or similar article, substantially as shown and described.

153,661
DESIGN FOR A VALISE OR SIMILAR ARTICLE
Richard H. Arbib, Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 9, 1947, Serial No. 143,059
Term of patent 14 years
(Cl. D87—5)



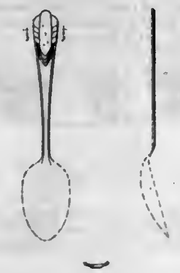
The ornamental design for a valise or similar article, substantially as shown.

153,662
DESIGN FOR A JACKET
J. Leah Asteroff, New York, N. Y.
Application October 15, 1948, Serial No. 149,126
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a jacket, substantially as shown.

153,663
DESIGN FOR A SPOON OR SIMILAR ARTICLE OF FLATWARE
Milton Bernstein, New York, N. Y., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application April 17, 1948, Serial No. 145,799
Term of patent 14 years
(Cl. D54—12)



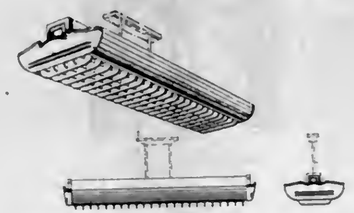
The ornamental design for a spoon or similar article of flatware, as shown and described.

153,664
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Nord Bowlen, Greenfield, Mass., assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts
Application June 23, 1948, Serial No. 147,139
Term of patent 14 years
(Cl. D54—12)



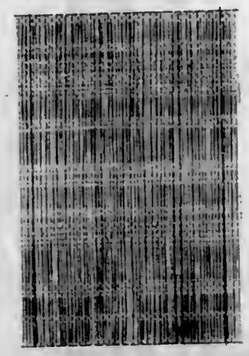
The ornamental design for a spoon or similar article, as shown and described.

153,665
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Carl C. Braun, Riverside, Conn.
Application March 29, 1948, Serial No. 145,411
Term of patent 7 years
(Cl. D48—23)



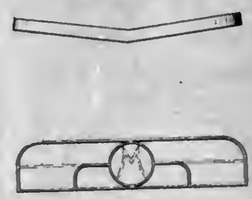
The ornamental design for a fluorescent lighting fixture, as shown and described.

153,666
DESIGN FOR WALLPAPER OR THE LIKE
William Burton, Chicago, Ill., and Dorothy W. Liebes, San Francisco, Calif.
Application April 30, 1947, Serial No. 138,725
Term of patent 3½ years
(Cl. D59—10)



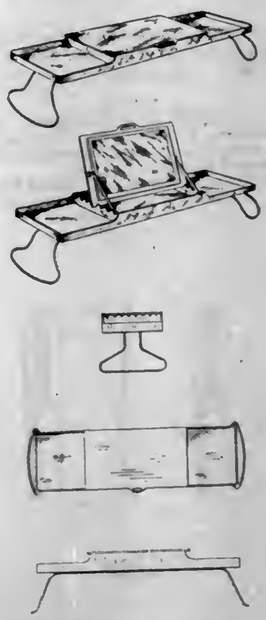
The ornamental design for wallpaper or the like, as shown and described.

153,667
DESIGN FOR AN EMBLEM HOLDER FOR AUTOMOBILE RADIATOR GUARD
Leopold Bustin, Mamaroneck, N. Y.
Application October 16, 1947, Serial No. 141,955
Term of patent 3½ years
(Cl. D14—6)



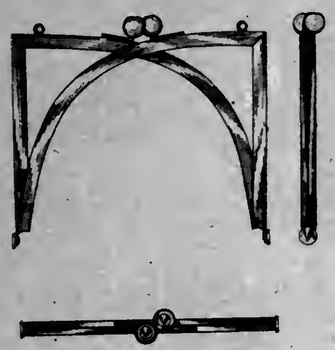
The ornamental design for an emblem holder for automobile radiator guard, substantially as shown and described.

153,668
DESIGN FOR A VANITY TRAY FOR BATHTUB USE
Clara Mauriece Craighead, San Francisco, Calif.
Application January 11, 1947, Serial No. 136,097
Term of patent 7 years
(Cl. D86—10)



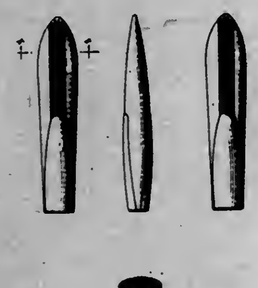
The ornamental design for a vanity tray, for bathtub use, as shown.

153,669
DESIGN FOR A HANDBAG FRAME
Louis S. David, New York, N. Y.
Application May 1, 1948, Serial No. 146,120
Term of patent 3½ years
(Cl. D87—2)



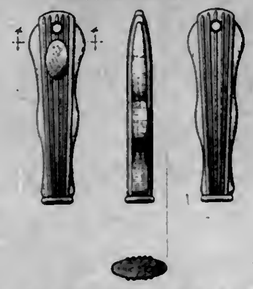
The ornamental design for a handbag frame, substantially as shown and described.

153,670
DESIGN FOR A HANDLE
Philip Derham, Rosement, Pa., assignor to Mastercraft Plastics Co. Inc., Jamaica, N. Y., a corporation of New York
Application September 29, 1947, Serial No. 141,641
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a handle, as shown.

153,671
DESIGN FOR A HANDLE
Philip Derham, Rosement, Pa., assignor to Mastercraft Plastics Co. Inc., Jamaica, N. Y., a corporation of New York
Application September 29, 1947, Serial No. 141,642
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a handle, as shown.

153,672
DESIGN FOR A HIGH CHAIR
Rocco Di Giorgio, Franklin Park, Ill.
Application August 13, 1947, Serial No. 140,840
Term of patent 3½ years
(Cl. D15—1)

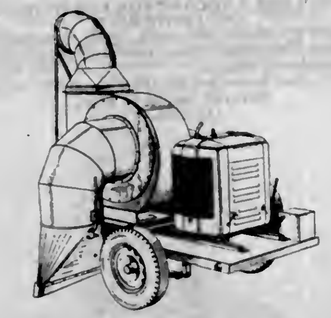


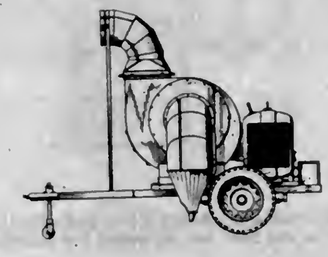
The ornamental design for a high chair, as shown and described.

153,672—Continued

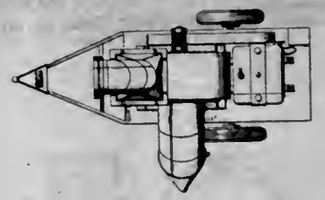


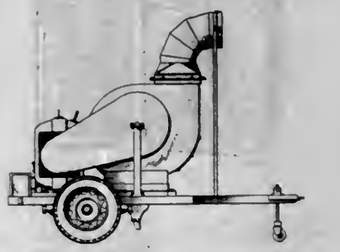
153,673
DESIGN FOR A VACUUM LEAF LOADER
Marion A. Elliotte, Detroit, Mich.
Application February 25, 1947, Serial No. 137,158
Term of patent 14 years
(Cl. D14—3)





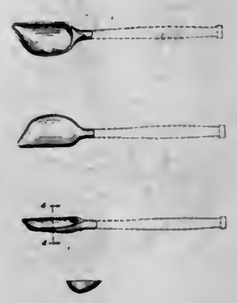
153,673—Continued





The ornamental design for a vacuum leaf loader, as shown.

153,674
DESIGN FOR A STIRRING, SCRAPING, AND BEATING SPOON
Genevieve J. Erker, Clayton, Mo.
Application April 25, 1946, Serial No. 128,959
Term of patent 14 years
(Cl. D44—29)



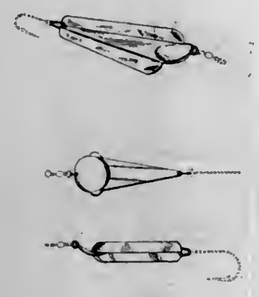
The ornamental design for a stirring, scraping, and beating spoon, substantially as shown.

153,675
DESIGN FOR A PHONOGRAPH CABINET
Paul M. Fuller, Buffalo, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application September 8, 1947, Serial No. 141,271
Term of patent 7 years
(Cl. D56—4)



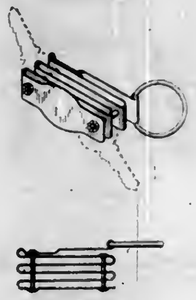
The ornamental design for a phonograph cabinet, as shown and described.

153,676
DESIGN FOR A TROLLING SPOON
Joseph Scheeland Gardemeyer, San Francisco, Calif.
Application October 19, 1946, Serial No. 134,068
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a trolling spoon, as shown and described.

153,677
DESIGN FOR A COMBINED COMPACT KEY AND MONEY CLIP OR THE LIKE
George E. Georginta, Muskegon, Mich.
Application June 27, 1947, Serial No. 139,949
Term of patent 14 years
(Cl. D17—14)



The ornamental design for a combined compact key and money clip or the like, substantially as shown and described.

153,678
DESIGN FOR A SOCKET FOR USE WITH CLIP AND LIGHT BULB
Robert K. Grubb, Portland, Oreg., assignor to On-A-Lite Corporation, Portland, Oreg., a corporation of Oregon
Application December 30, 1947, Serial No. 143,430
Term of patent 14 years
(Cl. D26—1)



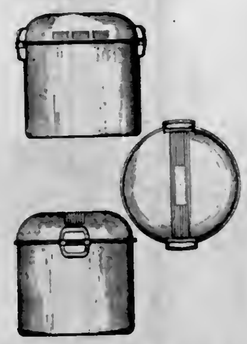
The ornamental design for a socket for use with clip and light bulb, as shown and described.

153,679
DESIGN FOR A WRITING INSTRUMENT
Francis E. Gruber, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application January 8, 1948, Serial No. 143,596
Term of patent 14 years
(Cl. D74—17)



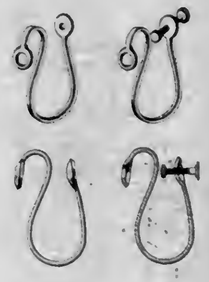
The ornamental design for a writing instrument, as shown.

153,680
DESIGN FOR A WASHING MACHINE
Lawrence H. Haase, Evansville, Ind., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 27, 1946, Serial No. 132,057
Term of patent 14 years
(Cl. D49—1)



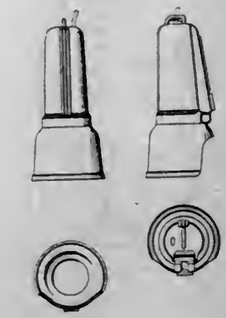
The ornamental design for a washing machine, as shown and described.

153,681
DESIGN FOR AN EARRING ATTACHMENT DEVICE
Clarence B. Haegert, Coffeyville, Kans.
Application February 4, 1947, Serial No. 136,667
Term of patent 7 years
(Cl. D45—9)



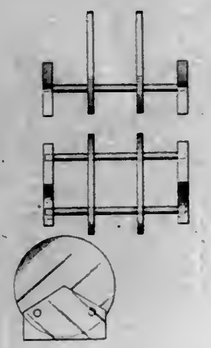
The ornamental design for an earring attachment device, as shown.

153,682
DESIGN FOR A PORTABLE ELECTRIC LAMP
Arthur C. Haggstrom, Rockford, Ill., assignor to H. L. Baumgardner Corporation
Application February 15, 1947, Serial No. 136,922
Term of patent 14 years
(Cl. D48—25)



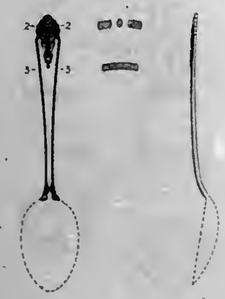
The ornamental design for a portable electric lamp, substantially as shown.

153,683
DESIGN FOR A PAPER NAPKIN HOLDER
Paul B. Hamilton, Birmingham, Ala.
Application February 21, 1947, Serial No. 137,072
Term of patent 3½ years
(Cl. D44—24)



The ornamental design for a paper napkin holder, as shown.

153,684
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Lillian V. M. Helander, Meriden, Conn., assignor to The International Silver Company, Meriden, Conn., a corporation of Connecticut
Application November 18, 1948, Serial No. 149,702
Term of patent 14 years
(Cl. D54—12)



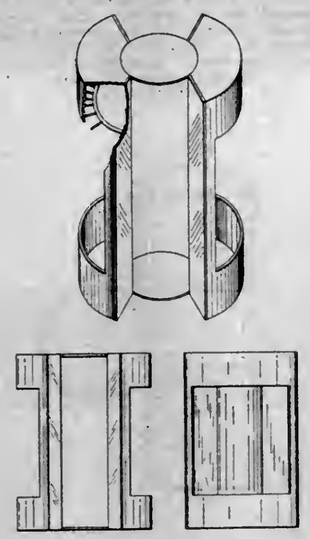
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

153,685
DESIGN FOR A HOSE NOZZLE
Andrew L. Henkel, Chicago, Ill.
Application February 12, 1947, Serial No. 136,864
Term of patent 7 years
(Cl. D62—2)



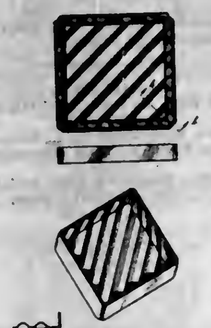
The ornamental design for a hose nozzle, substantially as shown and described.

153,686
DESIGN FOR A CLOTHING DISPLAY RACK
Geraldine Hinkle, San Francisco, Calif.
Application June 30, 1947, Serial No. 140,016
Term of patent 14 years
(Cl. D80—9)



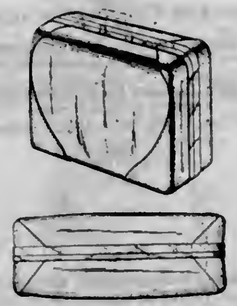
The ornamental design for a clothing display rack, as shown.

153,687
DESIGN FOR AN ASH TRAY
Roderick W. Hoag, Melrose, Mass.
Application April 5, 1947, Serial No. 138,176
Term of patent 14 years
(Cl. D85—2)

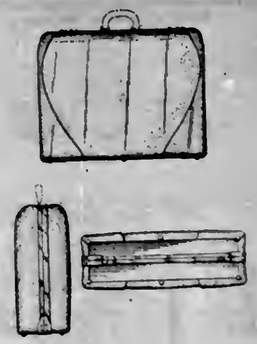


The ornamental design for an ash tray, as shown.

153,688
DESIGN FOR A LUGGAGE CASE OR A SIMILAR ARTICLE
Leo Horwitz, Chicago, Ill.
Application May 1, 1948, Serial No. 146,117
Term of patent 7 years
(Cl. D87—5)



153,688—Continued



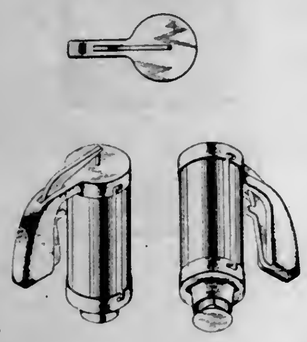
The ornamental design for a luggage case or a similar article, as shown and described.

153,689
DESIGN FOR A LAMP OR SIMILAR ARTICLE
Alice Mason Johnson, Long Island City, N. Y.
Application June 19, 1948, Serial No. 147,090
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a lamp or similar article, substantially as shown.

153,690
DESIGN FOR A DOUGHNUT FORMING DEVICE
David F. Jones, Richmond, Calif., assignor to Hem-Ade, Inc., Oakland, Calif., a corporation of California
Application January 11, 1947, Serial No. 136,102
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a doughnut forming device, substantially as shown.

153,691
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 8, 1949, Serial No. 136
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

153,692
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 8, 1949, Serial No. 137
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

153,693
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 8, 1949, Serial No. 139
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

153,694
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 8, 1949, Serial No. 141
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

153,695
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 15, 1949, Serial No. 263
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

153,696
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 19, 1949, Serial No. 324
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

153,697
DESIGN FOR A PIN CLIP OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 21, 1949, Serial No. 361
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a pin clip or similar article, substantially as shown.

153,698
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 25, 1949, Serial No. 478
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

153,699
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 28, 1949, Serial No. 545
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

153,700
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 28, 1949, Serial No. 546
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

622 O. G.—39

153,701
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 28, 1949, Serial No. 552
Term of patent 7 years
(Cl. D45—19)



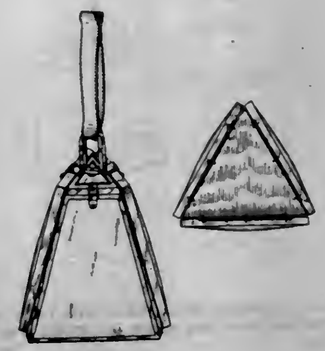
The ornamental design for a brooch or similar article, substantially as shown.

153,702
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 2, 1949, Serial No. 641
Term of patent 7 years
(Cl. D45—19)

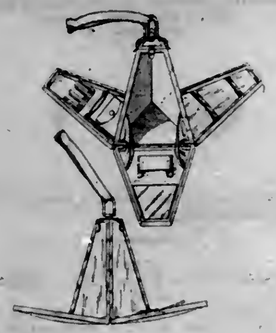


The ornamental design for a brooch or similar article, substantially as shown.

153,703
DESIGN FOR A HANDBAG
Louis Kaufman, New York, N. Y.
Application June 22, 1948, Serial No. 147,116
Term of patent 7 years
(Cl. D87—3)

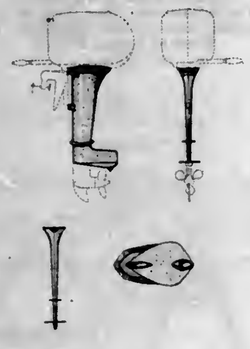


153,703—Continued



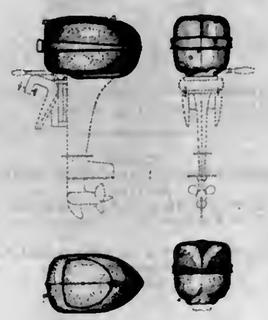
The ornamental design for a handbag, substantially as shown.

153,704
DESIGN FOR A DRIVE SHAFT HOUSING FOR AN OUTBOARD MOTOR
Elmer C. Kiekhaefer, Cedarburg, Wis.
Application September 5, 1947, Serial No. 141,230
Term of patent 14 years
(Cl. D71—1)



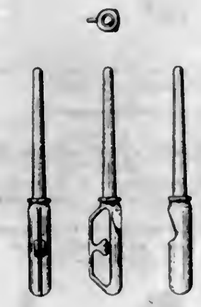
The ornamental design for a drive shaft housing for an outboard motor, as shown and described.

153,705
DESIGN FOR AN OUTBOARD MOTOR HAVING A POWER HEAD
Elmer C. Kiekhaefer, Cedarburg, Wis.
Application September 5, 1947, Serial No. 141,231
Term of patent 14 years
(Cl. D71—1)



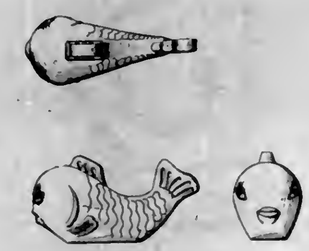
The ornamental design for an outboard motor having a power head, as shown and described.

153,706
DESIGN FOR A SCISSORS SHARPENER
Ruth C. Lathom, Gillette, Wyo.
Application December 31, 1947, Serial No. 143,484
Term of patent 3½ years
(Cl. D37—1)



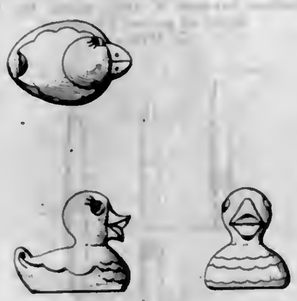
The ornamental design for a scissors sharpener, as shown.

153,707
DESIGN FOR A TOY FISH OR SIMILAR ARTICLE
Ludwig Leaf, Forest Hills, N. Y., assignor to Empire Plastic Corporation, New York, N. Y.
Application April 17, 1948, Serial No. 145,792
Term of patent 3½ years
(Cl. D34—2)



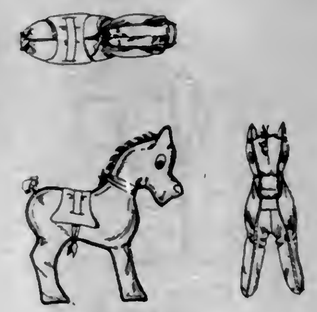
The ornamental design for a toy fish or similar article, substantially as shown.

153,708
DESIGN FOR A TOY DUCK OR SIMILAR ARTICLE
Ludwig Leaf, Forest Hills, N. Y., assignor to Empire Plastic Corporation, New York, N. Y.
Application April 17, 1948, Serial No. 145,793
Term of patent 3½ years
(Cl. D34—2)



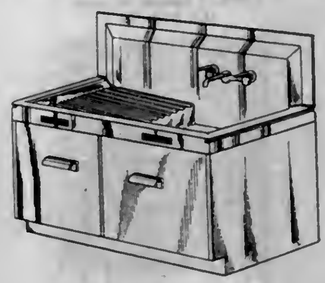
The ornamental design for a toy duck or similar article, substantially as shown.

153,709
DESIGN FOR A TOY ANIMAL FIGURE
Morris C. Levich, New York, N. Y.
Application May 1, 1948, Serial No. 146,126
Term of patent 14 years
(Cl. D34—2)



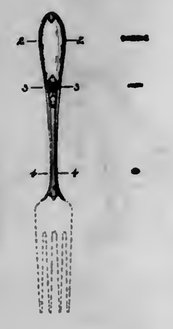
The ornamental design for a toy animal figure, substantially as shown.

153,710
DESIGN FOR A CABINET SINK
Nena Lewis, Campbell, Ohio
Application April 2, 1947, Serial No. 138,110
Term of patent 7 years
(Cl. D33—19)



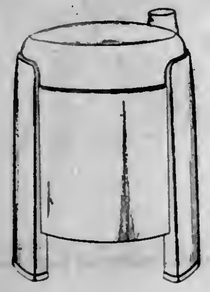
The ornamental design for a cabinet sink, as shown.

153,711
DESIGN FOR A FORK OR OTHER ARTICLE OF FLATWARE
Isadore Albert Lipman, Meriden, Conn., assignor, by mesne assignments, to Amston Silver Company, Inc., Amston, Conn., a corporation of Connecticut
Application November 16, 1948, Serial No. 149,672
Term of patent 14 years
(Cl. D54—12)

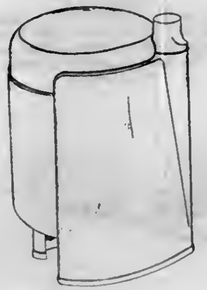


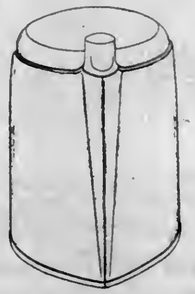
The ornamental design for a fork or other article of flatware, substantially as shown and described.

153,712
DESIGN FOR A WASHING MACHINE
John M. Little, Toledo, Ohio, assignor to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application February 28, 1947, Serial No. 137,227
Term of patent 14 years
(Cl. D49—1)



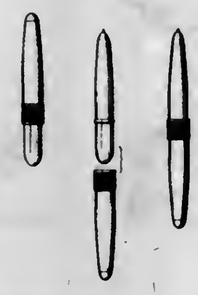
153,712—Continued





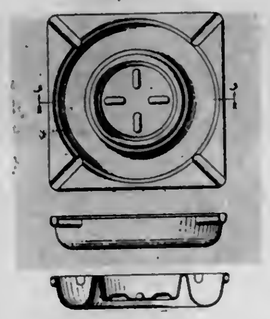
The ornamental design for a washing machine, substantially as shown.

153,713
DESIGN FOR A BALL POINT FOUNTAIN PEN
Raymond J. Lohr and Laurie J. Campbell, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application January 8, 1947, Serial No. 136,008
Term of patent 3½ years
(Cl. D74—17)



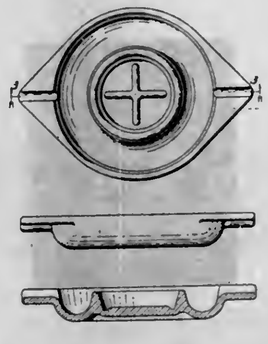
The ornamental design for a ball point fountain pen, as shown and described.

153,714
DESIGN FOR AN ASH TRAY
William P. Mader, Detroit, Mich., assignor to Roethel Engineering Corporation, Detroit, Mich., a corporation of Michigan
Application October 6, 1947, Serial No. 141,762
Term of patent 7 years
(Cl. D85—2)



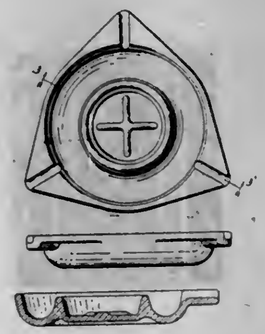
The ornamental design for an ash tray, substantially as shown.

153,715
DESIGN FOR AN ASH TRAY
William P. Mader, Detroit, Mich.
Application November 26, 1947, Serial No. 142,819
Term of patent 7 years
(Cl. D85—2)



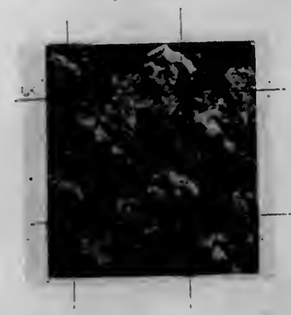
The ornamental design for an ash tray, substantially as shown.

153,716
DESIGN FOR AN ASH TRAY
William P. Mader, Detroit, Mich., assignor to Roethel Engineering Corporation, Detroit, Mich., a corporation of Michigan
Application November 26, 1947, Serial No. 142,820
Term of patent 7 years
(Cl. D85—2)



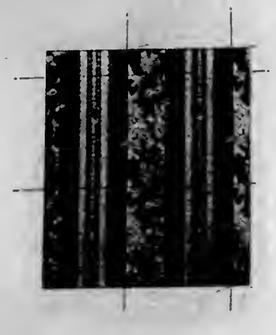
The ornamental design for an ash tray, substantially as shown.

153,717
DESIGN FOR A TEXTILE FABRIC
Walter Mitschke, North Bergen, N. J., assignor to Classic Weaving Corporation, North Bergen, N. J.
Application June 14, 1948, Serial No. 146,941
Term of patent 3½ years
(Cl. D92—1)



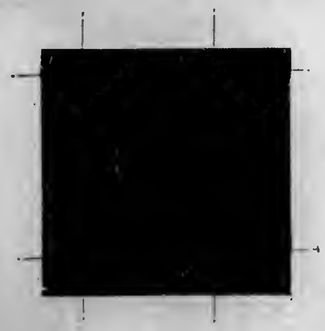
The ornamental design for a textile fabric, substantially as shown and described.

153,718
DESIGN FOR A TEXTILE FABRIC
Walter Mitschke, North Bergen, N. J., assignor to Classic Weaving Corporation, North Bergen, N. J.
Application June 14, 1948, Serial No. 146,942
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

153,719
DESIGN FOR A TEXTILE FABRIC
Walter Mitschke, North Bergen, N. J., assignor to Classic Weaving Corporation, North Bergen, N. J.
Application June 14, 1948, Serial No. 146,943
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown and described.

153,720
DESIGN FOR A TEXTILE FABRIC
Walter Mitschke, North Bergen, N. J., assignor to Classic Weaving Corporation, North Bergen, N. J.
Application June 14, 1948, Serial No. 146,944
Term of patent 3½ years
(Cl. D92—1)



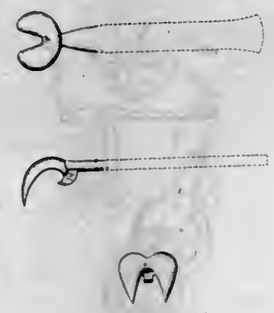
The ornamental design for a textile fabric, substantially as shown and described.

153,721
DESIGN FOR A TEXTILE FABRIC
Walter Mitschke, North Bergen, N. J., assignor to Classic Weaving Corporation, North Bergen, N. J.
Application June 14, 1948, Serial No. 146,945
Term of patent 3½ years
(Cl. D92—1)



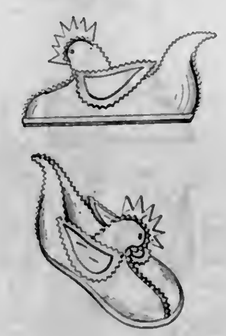
The ornamental design for a textile fabric, substantially as shown and described.

153,722
DESIGN FOR A CAN OPENER
Henning Odenerants, New York, N. Y., assignor to Zegerav Inc., New York, N. Y., a corporation of New York
Application July 29, 1947, Serial No. 140,574
Term of patent 14 years
(Cl. D22—2)



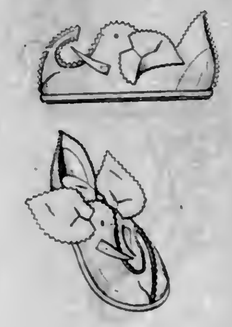
The ornamental design for a can opener, as shown.

153,723
DESIGN FOR A HOUSE SHOE
John B. Reinhart, Jr., and Joseph B. Ruebel, Farmington, Mo., assignors to Trimfoot Company, Farmington, Mo.
Application December 31, 1948, Serial No. 150,473
Term of patent 7 years
(Cl. D7—7)



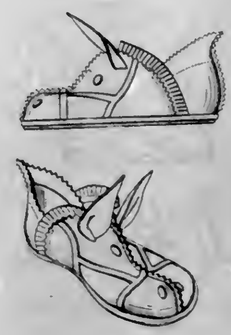
The ornamental design for a house shoe, substantially as shown.

153,724
DESIGN FOR A HOUSE SHOE
John B. Reinhart, Jr., and Joseph B. Ruebel, Farmington, Mo., assignors to Trimfoot Company, Farmington, Mo.
Application December 31, 1948, Serial No. 150,474
Term of patent 7 years
(Cl. D7—7)



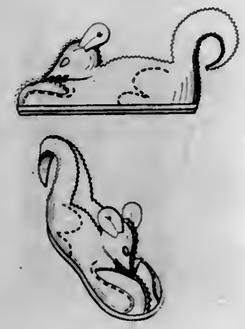
The ornamental design for a house shoe, substantially as shown.

153,725
DESIGN FOR A HOUSE SHOE
John B. Reinhart, Jr., and Joseph B. Ruebel, Farmington, Mo., assignors to Trimfoot Company, Farmington, Mo.
Application December 31, 1948, Serial No. 150,475
Term of patent 7 years
(Cl. D7—7)



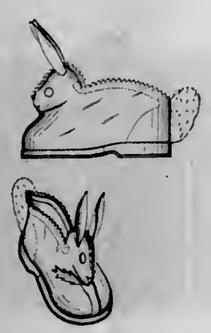
The ornamental design for a house shoe, substantially as shown.

153,726
John B. Reinhart, Jr., and Joseph B. Ruebel, Farmington, Mo., assignors to Trimfoot Company, Farmington, Mo.
Application December 31, 1948, Serial No. 150,476
Term of patent 7 years
(Cl. D7—7)



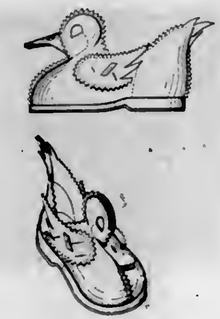
The ornamental design for a house shoe, substantially as shown.

153,727
DESIGN FOR A HOUSE SHOE
John B. Reinhart, Jr., and Joseph B. Ruebel, Farmington, Mo., assignors to Trimfoot Company, Farmington, Mo.
Application January 26, 1949, Serial No. 492
Term of patent 7 years
(Cl. D7—7)



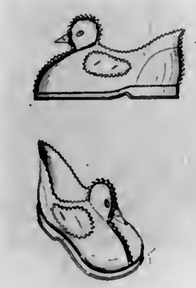
The ornamental design for a house shoe, substantially as shown.

153,728
DESIGN FOR A HOUSE SHOE
John B. Reinhart, Jr., and Joseph B. Ruebel, Farmington, Mo., assignors to Trimfoot Company, Farmington, Mo.
Application January 26, 1949, Serial No. 493
Term of patent 7 years
(Cl. D7—7)



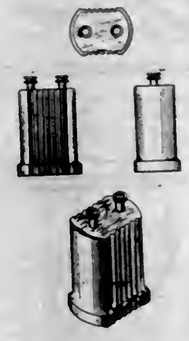
The ornamental design for a house shoe, substantially as shown.

153,729
DESIGN FOR A HOUSE SHOE
John B. Reinhart, Jr., and Joseph B. Ruebel, Farmington, Mo., assignors to Trimfoot Company, Farmington, Mo.
Application January 26, 1949, Serial No. 494
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a house shoe, substantially as shown.

153,730
DESIGN FOR A FLUORESCENT STARTER SWITCH
Arthur A. Richardson, Cranston, R. I., assignor to The Lloyd Products Company, a corporation of Rhode Island
Application July 16, 1947, Serial No. 140,365
Term of patent 3½ years
(Cl. D26—13)



The ornamental design for a fluorescent starter switch, substantially as shown.

153,731
DESIGN FOR A SKI BOOT
Rudolf Rominger, St. Moritz, Switzerland
Application August 6, 1947, Serial No. 140,722
In Switzerland June 2, 1945
Term of patent 14 years
(Cl. D7—7)

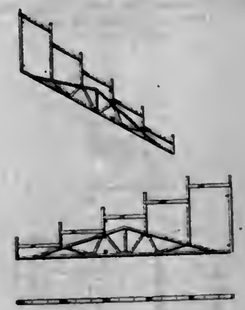


153,731—Continued



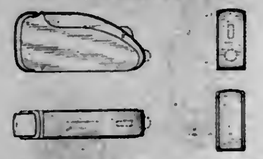
The ornamental design for a ski boot, substantially as shown.

153,732
DESIGN FOR A PORTABLE GRANDSTAND FRAME
John F. Roney, Los Angeles, Calif., assignor to Safway Steel Products, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application January 30, 1948, Serial No. 144,150
Term of patent 14 years
(Cl. D54—1)



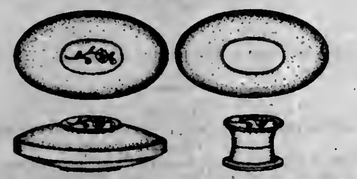
The ornamental design for a portable grandstand frame, substantially as shown.

153,723
DESIGN FOR A FLASHLIGHT
Earl L. Schofield, Rockford, Ill., assignor to Burgess Battery Company, Freeport, Ill., a corporation of Delaware
Application December 26, 1947, Serial No. 143,349
Term of patent 14 years
(Cl. D48—25)



The ornamental design for a flashlight, as shown and described.

153,734
DESIGN FOR A COMBINED CAKE OF SOAP AND SPOOL HOLDER
Victor Silson, New York, N. Y.
Application June 5, 1948, Serial No. 146,777
Term of patent 3½ years
(Cl. D73—1)



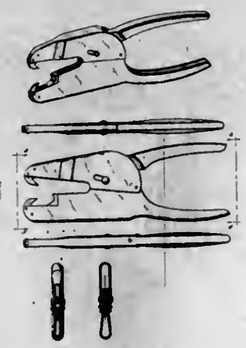
The ornamental design for a combined cake of soap and spool holder, substantially as shown and described.

153,735
DESIGN FOR A RECLINING CHAIR
James R. Staudt and Rochelle E. Goddard, Fort Worth, Tex.; said Staudt assignor to said Goddard
Application October 28, 1946, Serial No. 134,338
Term of patent 14 years
(Cl. D15—1)



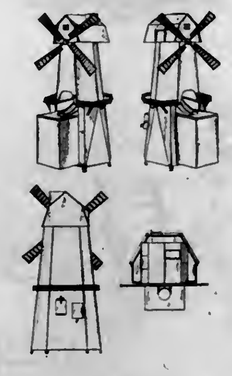
The ornamental design for a reclining chair, substantially as shown and described.

153,736
DESIGN FOR A SLIDE FASTENER REPAIR TOOL
Kurt Stern, Chicago, Ill.
Application September 3, 1948, Serial No. 148,452
Term of patent 3½ years
(Cl. D54—13)



The ornamental design for a slide fastener repair tool, substantially as shown.

153,737
DESIGN FOR A COMBINED FREEZER AND DISPENSER FOR FROZEN FOODS
Walter von Lindeck, Los Angeles, Calif.
Application February 15, 1947, Serial No. 136,941
Term of patent 3½ years
(Cl. D52—2)



The ornamental design for a combined freezer and dispenser for frozen foods, as shown.

153,738
DESIGN FOR A TABLE OR SIMILAR ARTICLE
Donald A. Wallance, New York, N. Y.
Application April 23, 1947, Serial No. 138,543
Term of patent 3½ years
(Cl. D33—14)

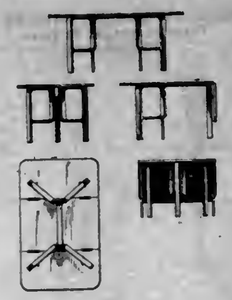


The ornamental design for a table or similar article, as shown.

153,739
DESIGN FOR A TABLE OR SIMILAR ARTICLE
Donald A. Wallance, New York, N. Y.
Application April 23, 1948, Serial No. 145,926
Term of patent 7 years
(Cl. D33—14)

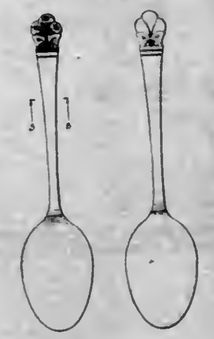


153,739—Continued



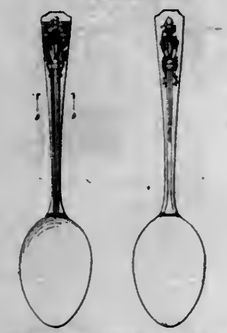
The ornamental design for a table or similar article, as shown.

153,740
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application May 15, 1948, Serial No. 146,401
Term of patent 14 years
(Cl. D54—12)



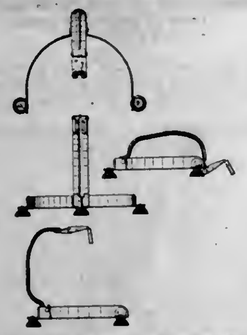
The ornamental design for a spoon or other article of flatware, substantially as shown.

153,741
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application May 15, 1948, Serial No. 146,402
Term of patent 14 years
(Cl. D54—12)



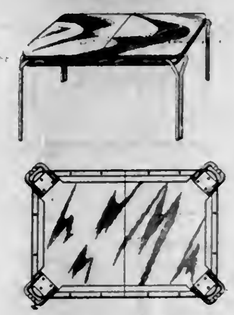
The ornamental design for a spoon or other article of flatware, substantially as shown.

153,742
DESIGN FOR A COLLAPSIBLE STAND FOR KITCHEN UTENSILS
Joseph Weber, Forest Hills, N. Y.
Application June 30, 1947, Serial No. 140,018
Term of patent 3½ years
(Cl. D44—29)



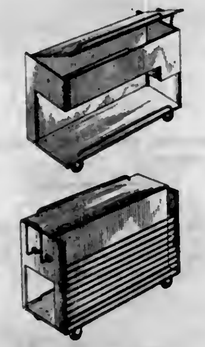
The ornamental design for a collapsible stand for kitchen utensils, substantially as shown.

153,743
DESIGN FOR A TABLE
Bernard G. Zolet, Philadelphia, Pa.
Application July 22, 1947, Serial No. 140,441
Term of patent 3½ years
(Cl. D33—14)



The ornamental design for a table, substantially as shown.

153,744
DESIGN FOR A MOBILE CARRIER FOR VACUUM CLEANER AND ACCESSORIES OR THE LIKE
John L. Zver and Martin G. Zver, Chicago, Ill.
Application November 15, 1947, Serial No. 142,564
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a mobile carrier for vacuum cleaner and accessories or the like, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Acme Visible Records, Inc., Chicago, Ill. Record files, visible card index systems, index cards, etc. Serial No. 506,568, May 10. Class 37.

Adamar Accounting Systems, Jeannette, Pa. Partially printed accounting forms, and a combination envelop and business form. Serial No. 503,622, May 10. Class 37.

Adams Rite Manufacturing Company, Glendale, Calif. Metallic plate and stud fastener. Serial No. 528,092, May 10. Class 13.

Aetna Life Insurance Company, Hartford, Conn. Life, health and accident insurance. Serial Nos. 530,147–8, May 10. Class 55.

Allen Company: *See*—
Allen, Walter A.

Allen, Walter A., doing business as Allen Company, Pittstown, N. J. Flower or plant pots. Serial No. 534,967, May 10. Class 2.

American Airlines, Inc., New York, N. Y. Air transport of passengers and freight. Serial Nos. 562,238–41, May 10. Class 55.

American Brake Shoe Company, New York, N. Y. Composition frictional elements for brakes. Serial No. 547,218, May 10. Class 35.

American Brake Shoe Company, New York, N. Y. Composition frictional elements for brakes and clutches. Serial No. 547,220, May 10. Class 35.

American Crucible Company, North Haven, Conn. Refractories. Serial No. 500,725, May 10. Class 12.

American Cyanamid Company, New York, N. Y. Tableware. Serial No. 551,214, May 10. Class 2.

American Gum Products Company, New York, N. Y. Adhesive. Serial No. 557,333, May 10. Class 5.

American Manufacturing Company, Brooklyn, N. Y., and Boston, Mass. Rope, cord and twine. Serial No. 552,384, May 10. Class 7.

American Moth Products Corp., New York, N. Y. Insecticides and mothproofing agents. Serial No. 542,429, May 10. Class 6.

American Thread Company, The, New York, N. Y. Packages of thread. Serial No. 509,389, May 10. Class 43.

Ames, Lawrence M., Alexandria, Va. Compositions for treatment of fungal infestations. Serial No. 558,615, May 10. Class 6.

Anthony Company, The, Long Island, N. Y. Coal, liquid-fuel, and gas-burners, forges, coal, liquid-fuel, and gas furnaces, etc. Serial No. 555,040, May 10. Class 34.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Toilet lotions, face and skin creams, perfumes, etc. Serial No. 563,529, May 10. Class 6.

Armstrong Cork Company, Lancaster, Pa. Resinous, oleoresinous, asphaltic, ligniferous, and casein-latex type adhesive pastes and adhesive cements. Serial No. 524,928, May 10. Class 5.

Armstrong Cork Company, Lancaster, Pa. House organs. Serial No. 524,938, May 10. Class 38.

Armstrong Cork Company, Lancaster, Pa. Mineral wool acoustical tile. Serial No. 534,406, May 10. Class 12.

Asche-Bandor Corporation, New York, N. Y. Wines. Serial No. 551,158, May 10. Class 47.

B. R. Company: *See*—
Bronson Reel Company.

Baggett Transportation Company, Birmingham, Ala. Trucking and hauling. Serial No. 557,583, May 10. Class 55.

Barno Oil Company, Wilmington, Del. Top cylinder oil. Serial No. 546,631, May 10. Class 15.

Bayou State Oil Corporation, Shreveport, La. Lubricating oil. Serial No. 535,677, May 10. Class 15.

Beautykote Corporation, Newark, N. J. Synthetic resins. Serial No. 507,095, May 10. Class 1.

Beautymasters of Beverly Hills, Inc., Milwaukee, Wis. Bath oil. Serial No. 550,296, May 10. Class 6.

Behr-Manning Corporation, Troy, N. Y. Fibers. Serial No. 568,094, May 10. Class 1.

Belding Heminway Company, Inc., New York, N. Y. Nylon sewing thread. Serial No. 565,109, May 10. Class 43.

Benlow Limited, London, England. Pyrophoric lighters. Serial No. 523,512, May 10. Class 8.

Bolidens Gruvaktiebolag, Skelleftehamn, Sweden. Chemical wood preservatives, insecticides, fungicides and bismuth salts. Serial No. 529,984, May 10. Class 6.

Boorum & Pease Company, Brooklyn, N. Y. Loose leaf ring book covers. Serial No. 535,982, May 10. Class 37.

Botany Mills, Inc., Passaic, N. J. Hand knitting yarns. Serial Nos. 564,924–5, May 10. Class 43.

Boyle and Company, Los Angeles, Calif. Diethylstilbestrol in tablet form. Serial No. 555,243, May 10. Class 6.

Bronson Reel Company, Bronson, Mich., now by change of name B. R. Company, assignor to McAleer Manufacturing Company, Rochester, Mich. Fishing reels. Serial No. 538,873, May 10. Class 22.

Brown & Bigelow, St. Paul, Minn. Portfolios, pocketbooks, wallets and leather-covered receptacles. Serial No. 512,376, May 10. Class 3.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard balls. Serial No. 552,938, May 10. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Steel wool. Serial No. 564,318, May 10. Class 4.

Buckham, Waller M., Glendale, Calif. Non-alcoholic, non-cereal, maltless beverages. Serial No. 555,052, May 10. Class 45.

Butler Brothers, Chicago, Ill. Clocks. Serial No. 563,602, May 10. Class 27.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial No. 550,382, May 10. Class 6.

Cameo Fabrics Inc., New York, N. Y. Woven fabric. Serial No. 536,045, May 10. Class 42.

Cameo Fabrics Inc., New York, N. Y. Woven textile fabrics. Serial No. 536,048, May 10. Class 42.

Cameo Fabrics Inc., New York, N. Y. Woven textile fabrics. Serial No. 544,151, May 10. Class 42.

Canfield, H. O., Co., The, Bridgeport, Conn. Flat bibb, beveled bibb, syphon, tank and spud washers, etc. Serial No. 561,226, May 10. Class 35.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Asbestos and cement composition board. Serial No. 556,277, May 10. Class 12.

Carl-Mann Cloak Co., The, Kansas City, Mo. Ladies' cloaks and suits. Serial No. 549,863, May 10. Class 39.

Caron Corporation, New York, N. Y. Perfume, toilet water, rouges, face powder, etc. Serial No. 561,292, May 10. Class 6.

Caron Corporation, New York, N. Y. Perfume, toilet water, rouges, face powder, etc. Serial No. 561,610, May 10. Class 6.

Carpinteria Lemon Association, Carpinteria, Calif. Fresh citrus fruits. Serial No. 546,557, May 10. Class 46.

Carr, Adams & Collier Company, Dubuque, Iowa. Fabricated woodwork. Serial No. 545,575, May 10. Class 12.

Carter Dry Goods Company, Louisville, Ky. Sheeting, sheets, pillow cases, etc. Serial No. 560,317, May 10. Class 42.

Cating Rope Works, Inc., Maspeth, New York, N. Y. Manilla and sisal rope. Serial No. 547,620, May 10. Class 7.

Circo Products Company, Cleveland, Ohio. Degreasers. Serial No. 514,252, May 10. Class 23.

Cluett, Peabody & Co., Inc., Troy, N. Y. Piece goods. Serial No. 550,670, May 10. Class 42.

Columbia Razor Blade Company: *See*—
Isenberg, William.

Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Enameled coated metallic cooking pots and kettles, tea-kettles, etc. Serial No. 518,637, May 10. Class 13.

Columbian Rope Company, Auburn, N. Y. Wheels. Serial No. 514,89[illegible], May 10. Class 23.

Congoleum-Nairn, Inc., Kearny, N. J. Dry, partially impregnated, and fully impregnated with asphalt, natural or artificial felt. Serial No. 545,344, May 10. Class 50.

Continental Optical Company, Inc., Indianapolis, Ind. Ophthalmic lenses. Serial No. 534,416, May 10. Class 26.

Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical condensers. Serial No. 520,686, May 10. Class 21.

Cornell Wood Products Company, Cornell, Wis. Paperboard. Serial No. 547,898, May 10. Class 37.

Corry-Jamestown Manufacturing Corporation, Corry, Pa. Windows, window frames, window screens, etc. Serial No. 538,896, May 10. Class 12.

Cramer Chemical Company, The, Gardner, Kans. Analgesic balm and ointment preparations. Serial No. 516,821, May 10. Class 6.

Crest Fabrics Corp., New York, N. Y. Textile fabrics in the piece. Serial No. 554,012, May 10. Class 42.

Crompton Company, Crompton, R. I. Pile fabrics. Serial No. 543,129, May 10. Class 42.

Crown Upholstering Company, Los Angeles, Calif. Sofas, living room and bedroom chairs, occasional chairs, etc. Serial No. 518,874, May 10. Class 32.

Cuban Cigar Company, Denver, Colo. Cigars. Serial No. 540,784, May 10. Class 17.

David, Roger H., St. Paul, Minn. Shoe holder. Serial No. 509,758, May 10. Class 13.

Democracy in Action, Inc., Chicago, Ill. Magazine. Serial No. 533,278, May 10. Class 38.

Dennison Manufacturing Company, Framingham, Mass. Blank and partially printed labels. Serial No. 504,886, May 10. Class 37.

Detrex Corporation, Detroit, Mich. Filter bags, bag type and leaf type filters. Serial No. 546,971, May 10. Class 31.

Dr. Pepper Company, Dallas, Tex. Nonalcoholic, maltless beverages. Serial No. 553,088, May 10. Class 45.

Dodge Manufacturing Corporation, Mishawaka, Ind. Pillow lock bearings. Serial No. 526,985, May 10. Class 23.

Dolcin Corporation, New York, N. Y. Medicinal preparation. Serial No. 560,991, May 10. Class 6.
D'Orsay Perfumeries Corporation, New York, N. Y. Toilet waters, perfumed sachet, face and talcum powders, etc. Serial No. 550,129, May 10. Class 6.
Double Woven Corporation of America, Dunmore, Pa., and Brooklyn, N. Y. Textile fabrics in the piece. Serial No. 567,835, May 10. Class 42.
Dow Corning Corporation, Midland, Mich. Pot holders. Serial No. 544,257, May 10. Class 42.
Durneck Company, The, North Hollywood, Calif. Tablets for rheumatic pains. Serial No. 511,988, May 10. Class 6.
Duval, Germaine R., Suresnes, France. Perfumes, toilet waters, rouge, etc. Serial No. 512,400, May 10. Class 6.
Electric Game Company, The, doing business as The Holyoke Game Co., Holyoke, Mass. Board game with movable pieces. Serial No. 554,102, May 10. Class 22.
Emerson Radio and Phonograph Corporation, New York, N. Y. Radio receiving sets, electric phonographs, television receiving sets, etc. Serial No. 528,777, May 10. Class 21.
Esso Standard Oil Company, Wilmington, Del., and New York, N. Y. Lubricating grease. Serial No. 551,548, May 10. Class 15.
Eversharp, Inc., Chicago, Ill. Fountain pens. Serial No. 506,516, May 10. Class 37.
Faber-Castell, A. W., Pencil Co., Inc., Newark, N. J. Rubber erasers and blackboard erasers, lead pencils, wood encased, etc. Serial No. 525,810, May 10. Class 37.
Fabrique d'Horlogerie Cha. Tissot & Fils Societe Anonyme, Le Locle, Switzerland. Watches, clocks, watch and clock movements, and parts thereof. Serial No. 564,443, May 10. Class 27.
Fabrique d'Horlogerie Chs. Tissot & Fils Societe Anonyme, Le Locle, Switzerland. Watches, clockworks, dials, and watchcases. Serial No. 564,444, May 10. Class 27.
Faultless Caster Corporation, Evansville, Ind. Casters. Serial No. 549,916, May 10. Class 13.
Fawcett Publications, Inc., Greenwich, Conn. Publication. Serial No. 557,742, May 10. Class 38.
Feldman Brothers Lingerie Corporation, New York, N. Y. Ladies' slips. Serial No. 533,498, May 10. Class 39.
Felters Company, The, Boston, Mass. Vibration absorbing materials. Serial No. 499,490, May 10. Class 12.
Fenton United Cleaning and Dyeing Co., Cincinnati, Ohio. Dry cleaning services. Serial No. 534,261, May 10. Class 55.
Fielding, Rodney, Inc., New York, N. Y. Cotton fabric for shirts. Serial No. 549,754, May 10. Class 42.
Fletcher, Sol, Inc. New York, N. Y. Woolen fabrics in the piece. Serial No. 549,356, May 10. Class 42.
Food Machinery and Chemical Corporation: *See*—
Westvaco Chemical Corporation.
Ford Motor Company, Dearborn, Mich. Metal polish, metal cleaner, upholstery cleaner, etc. Serial No. 569,141, May 10. Class 4.
Foundry Equipment Company, The, Cleveland, Ohio. Industrial ovens and parts thereof. Serial No. 549,382, May 10. Class 34.
General Hardware Mfg. Co., Inc., New York, N. Y. Drill cases. Serial No. 519,016, May 10. Class 2.
General Time Instruments Corporation, New York, N. Y., and Thomaston, Conn. Clocks. Serial No. 560,231, May 10. Class 27.
Gertler-Montanye, Inc., Baltimore, Md. Mechanical pencils. Serial No. 548,251, May 10. Class 37.
Gill, A. C., and Cleaver Limited, Nottingham, England. Hair nets. Serial No. 551,794, May 10. Class 39.
Good Luck Glove Company, Carbondale, Ill. Work gloves. Serial No. 529,015, May 10. Class 39.
Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Frozen fish and feeding oils. Serial No. 541,537, May 10. Class 46.
Grad, David, Company, New York, N. Y. Costume jewelry. Serial No. 561,525, May 10. Class 28.
Grant Chemical Co., Inc., New York, N. Y. Medical preparation. Serial No. 561,745, May 10. Class 6.
Griesedieck Western Brewery Company, Belleville, Ill. Beer. Serial No. 552,454, May 10. Class 48.
Haan, R. M., Candy Co., Inc., Long Island City, N. Y. Chocolate candy. Serial No. 547,342, May 10. Class 46.
Hamilton Industries, Chicago, Ill. Lamp shades. Serial No. 555,407, May 10. Class 34.
Hanes, P. H., Knitting Company, Winston-Salem, N. C. Knit and woven underwear, and children's sleepers. Serial No. 537,189, May 10. Class 39.
Harley-Davidson Motor Company, Milwaukee, Wis. Synthetic enamels, varnish, and cleaners and polishers. Serial No. 531,589, May 10. Class 16.
Harrington, Russell, Cutlery Company, Southbridge, Mass. Hand edge cutting tools. Serial No. 523,282, May 10. Class 23.
Hays Manufacturing Company, Erie, Pa. Solenoid actuated, self-closing valves. Serial No. 522,812, May 10. Class 21.
Headquarters Paint & Varnish Co., Brooklyn, N. Y. Ready-mixed paints and varnishes. Serial No. 521,073, May 10. Class 16.
Heller, Henry B., Corp., St. Louis, Mo. Degreaser. Serial No. 535,842, May 10. Class 4.
Henry Honey Bear & Co., Beverly Hills, Calif. Publications. Serial No. 538,414, May 10. Class 38.
Herrin, Inez L., Los Angeles, Calif. Hand painting designs and stencils. Serial No. 553,701, May 10. Class 38.
Hickok Manufacturing Co. Inc., Rochester, N. Y. Buckles. Serial No. 534,779, May 10. Class 40.
Hodson Corporation, The, Chicago, Ill. Lubricating oil. Serial No. 556,963, May 10. Class 15.
Holyoke Game Co., The: *See*—
Electric Game Company, The.
Holyoke Heater Corporation, Springield, Mass. Hot water heaters. Serial No. 539,700, May 10. Class 34.
Ideal Products, Inc., Waxahachie, Tex. Cosmetics. Serial No. 558,395, May 10. Class 6.
Ideal Publishing Corp., New York, N. Y. Periodical. Serial No. 555,674, May 10. Class 38.
Indian River Poultry Farm, Inc., Ocean View, Del. Baby chicks and hatching eggs. Serial No. 540,417, May 10. Class 1.
International Braid Company (1947), Providence, R. I. Venetian blink tape and cord sold as finished products and awning braid and awning tape. Serial No. 530,700, May 10. Class 40.
International Minerals and Chemical Corporation, Chicago, Ill. Potassium chlorate. Serial No. 545,857, May 10. Class 6.
Interstate Sales Company, Waco, Tex. Perfumed sachet cream. Serial No. 563,920, May 10. Class 6.
Isenberg, William, doing business under the assumed name of Columbia Razor Blade Company, Los Angeles, Calif. Razor blades. Serial No. 516,417, May 10. Class 23.
Jacobs, F. L., Co., Detroit, Mich. Lubricating oil compounds. Serial No. 554,575, May 10. Class 16.
Jamieson Pharmacal Company, Detroit, Mich. Sodium pentobarbital capsules for medicinal use. Serial No. 531,675, May 10. Class 6.
Jewel Tea Co., Inc., Barrington, Ill. Consumer sized packages of tri-sodium phosphate. Serial No. 555,537, May 10. Class 6.
Johns Hosiery Company, Chicago, Ill. Hosiery. Serial No. 522,656, May 10. Class 39.
Joseph & Feiss Company, The, Cleveland, Ohio. Men's clothing. Serial No. 535,852, May 10. Class 39.
Journeymen Barbers, Hairdressers and Cosmetologists' International Union of America, The, Indianapolis, Ind. Periodical. Serial No. 541,550, May 10. Class 38.
Kachkine, Nathalie, nee: *See*—
Von Desen, Nathalie.
Karpen, S., & Bros., Huntington Park, Calif. Furniture. Serial No. 540,289, May 10. Class 32.
Karstens, Robert H., Pasadena, Calif. Cut and potted natural roses. Serial No. 535,049, May 10. Class 1.
Kemp, E. F., Inc., Somerville, Mass. Candy. Serial No. 543,594, May 10. Class 46.
Kurfees, J. F., Paint Company, Louisville, Ky. Liquid cleaners. Serial Nos. 557,281–2, May 10. Class 4.
Learnard, Edwin G., Great Neck, N. Y. Fertilizer composition. Serial No. 561,201, May 10. Class 10.
Lees, James, and Sons Company, Bridgeport, Pa. Yarns. Serial No. 558,886, May 10. Class 43.
Lees, James, and Sons Company, Bridgeport, Pa. Yarns. Serial No. 558,890, May 10. Class 43.
Lees, James, and Sons Company, Bridgeport, Pa. Yarns. Serial No. 558,892, May 10. Class 43.
Libbey-Owens-Ford Glass Company, Toledo, Ohio. Plate and sheet glass. Serial No. 537,054, May 10. Class 33.
Lincoln Steel Works, Lincoln, Nebr. Grader blades and cutting edges. Serial No. 493,610, May 10. Class 23.
Livingston & Livingston, New York, N. Y. Beach wear, sportswear. Serial No. 559,771, May 10. Class 39.
Long Island Fish Line Co., Inc., Farmingdale, N. Y. Fishing lines. Serial No. 552,780, May 10. Class 22.
Lotts, Max, Nampa, Idaho. Fresh vegetables. Serial No. 546,714, May 10. Class 46.
Lyons-Magnus, Incorporated, San Francisco, Calif. Soda fountain syrups. Serial No. 553,292, May 10. Class 45.
M. V. C. Laboratories, Inc., Toledo, Ohio. Manicure preparations. Serial No. 542,271, May 10. Class 6.
MacGruder, W. W., Inc., Denver, Colo. Passenger airline transportation. Serial No. 566,349, May 10. Class 55.
MacGruder, W. W., Inc., Denver, Colo. Passenger airline transportation. Serial No. 567,591, May 10. Class 55.
Mallon Mattress Corporation, The, Boston, Mass. Mattresses and upholstered box springs and crib mattresses. Serial No. 552,155, May 10. Class 32.
Mallon Poultry and Egg Co., St. Peter, Minn. Cartoned eggs. Serial No. 546,229, May 10. Class 46.
Mantell, Herman, New York, N. Y. Hosiery. Serial No. 541,746, May 10. Class 39.
Martin, Bob (Export) Limited, Lancashire, England. Veterinary preparations. Serial No. 528,498, May 10. Class 6.
Maryon, Harrodsburg, Ky. Children's panties. Serial No. 542,854, May 10. Class 39.
Master Rule Manufacturing Co., Inc., White Plains, N. Y. Rules, folding rules, and extension rules. Serial No. 543,310, May 10. Class 26.
McAleer Manufacturing Company: *See*—
Bronson Reel Company.
McCarty, Justin, Inc., Dallas, Tex. Women's, misses', girls', children's and toddlers' outer wear garments. Serial No. 512,129, May 10. Class 39.
McGarrity, Joseph V., Stillwater, N. J. Multiple garment hanger. Serial No. 519,207, May 10. Class 50.

McGill Manufacturing Company, Inc., Valparaiso, Ind. Anti-friction bearings. Serial No. 549,561, May 10. Class 23.
McKee Bros., Patchogue, Long Island, N. Y. Asbestos siding shingles, asphalt roofing shingles, asphalt roll roofing, etc. Serial No. 510,605, May 10. Class 12.
Mertz, V. Theodore, Chicago, Ill. Gentlemen's toiletries. Serial No. 506,355, May 10. Class 6.
Metals & Controls Corporation, Attleboro, Mass. Laminated metals. Serial No. 534,904, May 10. Class 14.
Michaels, Stern & Company, Incorporated, Rochester, N. Y. Men's and women's suits. Serial No. 539,546, May 10. Class 39.
Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape. Serial No. 542,720–1, May 10. Class 5.
Midwest Industries, Inc., Cleveland, Ohio. Roller skates. Serial No. 551,125, May 10. Class 22.
Mildura Winery Proprietary Limited, Merbein, Victoria, Australia. Brandy. Serial No. 522,279, May 10. Class 49.
Modern Optics, Inc., Houston, Tex. Multi-focal spectacle lenses and lens blanks. Serial No. 530,417, May 10. Class 26.
Monsante Chemical Company, St. Louis, Mo. Surface active agents. Serial No. 564,780, May 10. Class 4.
Morse Signal Devices and Alarm Company, Cleveland, Ohio. Burglar-alarm service. Serial No. 535,254, May 10. Class 55.
Nannette Manufacturing Company, Inc., Philadelphia, Pa. Children's and infants' dresses. Serial No. 550,604, May 10. Class 39.
National Carbon Company, Inc., New York, N. Y. Graphite. Serial No. 551,299, May 10. Class 1.
National Foam System, Inc., Philadelphia, Pa. Preparation for increasing the spreading and penetrating qualities of water. Serial No. 563,947, May 10. Class 6.
National Pressure Cooker Company, Eau Claire, Wis. Adjustable dividers. Serial No. 517,081, May 10. Class 13.
National Refining Company, The, Cleveland, Ohio. Lubricating oil and grease. Serial No. 552,257, May 10. Class 15.
Nicky Chini, Milan, Italy. Neckties. Serial No. 519,925, May 10. Class 39.
Noble, Don, & Company, Inc., Chicago, Ill. Piano accordions. Serial No. 521,357, May 10. Class 36.
Norfolk and Western Railway Company, Roanoke, Va. Railroad transportation. Serial No. 531,703, May 10. Class 55.
Northwest Airlines, Inc., Saint Paul, Minn. Passenger, mail and freight air transport service. Serial No. 561,856, May 10. Class 55.
Olsen, C. A., Manufacturing Company, The, Elyria, Ohio. Gravity and forced air gas, oil, and coal furnaces. Serial No. 507,744, May 10. Class 34.
Orefraction Incorporated, Pittsburgh, Pa. Mineral refractories and mineral refractory compositions. Serial No. 527,665, May 10. Class 1.
Organic Chemicals, Inc., Pasadena, Calif. Histidine compounds. Serial No. 557,765, May 10. Class 6.
Orosi Foothill Citrus Association, Orosi, Calif. Fresh citrus fruits. Serial Nos. 546,698–9, May 10. Class 46.
Osterweis, Lewis, & Sons, New Haven, Conn. Cigars. Serial No. 541,330, May 10. Class 17.
P. & M. Company, The, assignor to Poor & Company, Chicago, Ill. Rail anchors. Serial Nos. 537,934–5, May 10. Class 14.
Pacific Mills, Boston, Mass., and New York, N. Y. Woolen fabrics in the piece. Serial No. 497,963, May 10. Class 42.
Page Belting Company, Concord, N. H. Cement and waterproof cement. Serial No. 553,392, May 10. Class 5.
Peerless Sal-O-Well Company, Incorporated, Buffalo, N. Y. Preparation for cleaning walls, tile, porcelain, etc. Serial No. 558,507, May 10. Class 4.
Pennsylvania Refining Company, Butler, Pa. White mineral oils. Serial No. 554,148, May 10. Class 15.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Agricultucal insecticides. Serial No. 554,322, May 10. Class 6.
Piaubert, Jeanne, borne Jeanne Quanon, Paris, France. Perfumes, toilet lotions, face powders, etc. Serial No. 528,146, May 10. Class 6.
Pollack, Max, & Co., Inc., New York, N. Y. Sewing threads. Serial No. 555,613, May 10. Class 43.
Poor & Company: *See*—
P. & M. Company, The.
Portland Packing Co., Portland, Maine. Canned vegetables. Serial No. 548,179, May 10. Class 46.
Post, L. D., Inc., New York, N. Y. Magazine. Serial No. 550,009, May 10. Class 38.
Pratt, R. G., Company, Hackensack, N. J. Concentrate in liquid form. Serial No. 517,160, May 10. Class 6.
Pure Oil Company, The, Chicago, Ill. Automobile radiator cooling system chemical cleaner; automobile cooling system sealer; automobile cooling system antirust, etc. Serial No. 563,632, May 10. Class 6.
Puritan Sales Company, Inc., Atlanta, Ga. Bottle cleansers. Serial No. 560,052, May 10. Class 4.
Quanon, Jeanne: *See*—
Piaubert, Jeanne.
Radio Engineering Laboratories, Inc., Long Island City, N. Y. Frequency modulated radio receivers. Serial No. 537,502, May 10. Class 21.
Register and Tribune Company, The, Des Moines, Iowa. Newspaper and magazine feature or columns. Serial No. 546,649, May 10. Class 38.
Remington Arms Company, Inc., Bridgeport, Conn. Ammunition. Serial No. 534,063, May 10. Class 9.
Residex Corporation, Newark, N. J. Insecticide. Serial No. 555,084, May 10. Class 6.
Ring Watch Company of America, Inc., New York, N. Y. Watches. Serial No. 560,218, May 10. Class 27.
Robbins & Myers, Inc., Springfield, Ohio. Attic fans and kitchen fans. Serial No. 535,304, May 10. Class 34.
Robertson Factories, Inc., New York, N. Y. Window curtains. Serial No. 518,483, May 10. Class 42.
Rockwell-Barnes Company, Chicago, Ill. Letter trays and card index guides. Serial No. 521,824, May 10. Class 37.
Ron Vergin Company, Ltd., Cambridge, Mass. Whiskey. Serial No. 544,498, May 10. Class 49.
Rossi Cigar Company, Inc., Oakland, Calif. Cigars. Serial Nos. 543,526–7, May 10. Class 17.
Rum Company Ltd., Basel, Switzerland. Rum and brandy. Serial No. 540,901, May 10. Class 49.
Rust Craft Publishers: *See*—
United Printers and Publishers (Incorporated).
Salts Brothers, Inc., Washington, D. C. Men's and boys' dress shirts, work shirts and negligee and sport shirts. Serial No. 534,928, May 10. Class 39.
Schafer-Nicholson Inc., Utica, N. Y. Costume jewelry. Serial No. 549,972, May 10. Class 28.
Schuylkill Products Company, Inc., Baton Rouge, La. Lead ingots and lead pigs. Serial No. 560,927, May 10. Class 14.
Sears, Roebuck and Co., Chicago, Ill. Sewing machine belts. Serial No. 550,619, May 10. Class 35.
Sears, Roebuck and Co., Chicago, Ill. Chemical preparations used for automobile supplies. Serial No. 558,746, May 10. Class 6.
Seco-Lite Manufacturing Company, St. Louis, Mo. Electric cooling and ventilating fans. Serial No. 555,631, May 10. Class 34.
Shaw, H. E., Company, Worcester, Mass. Chocolates. Serial No. 541,787, May 10. Class 46.
Sheffield Steel Corporation, Kansas City, Mo. Bale ties, wire fencing, barb wire, etc. Serial No. 539,083, May 10. Class 13.
Skinner, William, & Sons, Holyoke, Mass. Fabrics. Serial No. 543,662, May 10. Class 42.
Slifka, M., & Sons, Inc., New York, N. Y. Purses, wallets, combination purses and wallets, etc. Serial No. 547,781, May 10. Class 3.
Sloane, W. & J., New York, N. Y. Framed pictures. Serial No. 558,554, May 10. Class 38.
Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Textile carpets and rugs. Serial No. 540,470, May 10. Class 42.
Solnit, Ben, doing business as Solnit Shoe Co., Los Angeles, Calif. Shoes. Serial No. 536,961, May 10. Class 39.
Solnit Shoe Co.: *See*—
Solnit, Ben.
Speaker, J. W., Corporation, Milwaukee, Wis. Motor tune-up oil. Serial No. 521,306, May 10. Class 15.
Spectator Sportswear Company, Chicago, Ill. Men's sportshirts and dress shirts. Serial No. 546,800, May 10. Class 39.
Speidel Corporation, Providence, R. I. Bracelets. Serial No. 561,150, May 10. Class 28.
Standard Pressed Steel Co., Jenkintown, Pa. Dowel pins, hexagon keys. Serial No. 540,732, May 10. Class 13.
Stanley Home Products, Inc., Westfield, Mass. Moth repellent and deodorizing preparations. Serial No. 542,236, May 10. Class 6.
Staples Tool Company, The, Cincinnati, Ohio. Carbide tipped reamers. Serial No. 547,492, May 10. Class 23.
Star Expansion Products Company, New York, N. Y. Concrete form ties. Serial No. 533,635, May 10. Class 12.
Stephan Products Inc., Worcester, Mass. Dandruff remover hair lotion with oil. Serial No. 555,318, May 10. Class 6.
Stern, Aaron, New York, N. Y. Watches. Serial No. 563,373, May 10. Class 27.
Stern and Stern Textiles Inc., New York, N. Y. Chiffon in-the-piece. Serial No. 540,118, May 10. Class 42.
Sun Oil Company, Philadelphia, Pa. Fuel line fittings. Serial No. 525,421, May 10. Class 13.
Sunshine Products Company, Seattle, Wash. Deodorant and disinfectant. Serial No. 506,136, May 10. Class 6.
Talon, Inc., Meadville, Pa. Tennis-racket covers, golf bags, and bowling ball bags. Serial No. 527,768, May 10. Class 22.
Tea Garden Products Co., San Francisco, Calif. Grape juice. Serial No. 553,549, May 10. Class 45.
Techkote Company, The, Ingiewood, Calif. Concrete curing compounds. Serial No. 547,580, May 10. Class 12.
Technical Research of America: *See*—
Tempo Record Company of America.
Tempo Record Company of America, Hollywood, Calif., and Philadelphia, Pa., assignee of Technical Research of America. Mechanically grooved phonograph records. Serial No. 495,703, May 10. Class 36.
Thompson, Zitpha S., Winnetka, Ill. Monthly publication. Serial No. 567,474, May 10. Class 38.
Tide Water Associated Oil Company, New York, N. Y. Lubricating oil. Serial No. 564,534, May 10. Class 15.

Tide Water Associated Oil Company, New York, N. Y. Lubricating oil. Serial No. 550,483, May 10. Class 15.
Train-Hills, Inc., New York, N. Y. Lingerie. Serial No. 552,183, May 10. Class 39.
Triangle Finishing Corp., Johnstown, N. Y. Chemical and dyeing process. Serial No. 564,666, May 10. Class 55.
Tri-Clover Machine Co., Kenosha, Wis. Metal tubing and fabricated metal fittings. Serial No. 549,303–4, May 10. Class 13.
United-Carr Fastener Corporation, Cambridge, Mass. Metallic plate and stud fastener. Serial No. 526,091, May 10. Class 13.
United Piece Dye Works, The, Lodi, N. J. and New York, N. Y. Dyeing and the rendering of fabrics in the piece water-repellant and crease-resistant. Serial No. 550,275, May 10. Class 55.
United Printers and Publishers (Incorporated) doing business as Rust Craft Publishers, Boston, Mass. Greeting cards, valentines, printed folders and printed pamphlets. Serial No. 548,126, May 10. Class 38.
United States Tobacco Company, Flemington, N. J., and New York, N. Y. Snuff. Serial No. 550,876, May 10. Class 17.
Uran, David R., Larchmont, N. Y. Liquid medicine. Serial No. 538,056, May 10. Class 6.
Virginia-Carolina Chemical Corporation, Richmond, Va. Cleanser in powder form. Serial No. 558,183, May 10. Class 4.
Virginia-Carolina Chemical Corporation, Richmond, Va. Alkaline cleanser in powder form. Serial No. 558,167, May 10. Class 4.
Von Dessen, Nathalie, nee Kachkine, Paris, France. Insecticides, weedicides, disinfectants and bactericides. Serial No. 548,172, May 10. Class 6.
Voorhees Rubber Mfg. Co., Inc., New York, N. Y. Rubber flooring. Serial No. 553,037–8, May 10. Class 12.
Wagner Drug Company: *See*—
Wagner Jacob L.
Wagner, Jacob L., doing business as Wagner Drug Company, Dayton, Ohio. Pharmaceutical preparation. Serial No. 554,841, May 10. Class 6.
Washington Canners Cooperative, Vancouver, Wash. Canned fruits. Serial No. 546,254, May 10. Class 46.
Washington Woodcraft Corp., Washington, N. J. Toilet seats. Serial No. 549,311, May 10. Class 13.
Weeks & Leo Company, Incorporated, Des Moines, Iowa. Deodorant cream. Serial No. 563,887, May 10. Class 6.
Wells and Wade Fruit Company, Wenatchee, Wash. Fresh deciduous fruit. Serial No. 531,870, May 10. Class 46.
Wensel, H., Tent & Duck Co., assignee of H. Wensel Tent & Duck Co., St. Louis, Mo. Water bags. Serial No. 501,351, May 10. Class 2.
Wesel Manufacturing Company, Scranton, Pa. Router bits used for routing printing plates. Serial No. 517,757, May 10. Class 23.
Westvaco Chemical Corporation, now by merger Food Machinery and Chemical Corporation, New York, N. Y. Chlorinated phosphatic compound. Serial No. 564,174, May 10. Class 6.
White-Gerlat Company, Racine, Wis. Electrically operated vibrato producing attachments for musical instruments. Serial No. 510,412, May 10. Class 36.
Wolfe, Harry M., Chicago, Ill. Game tables. Serial No. 539,795, May 10. Class 22.
Wood, G. H., & Company Limited, Toronto, Canada. Deodorant and disinfectant. Serial No. 554,185, May 10. Class 6.
Woodbury, John H., Inc., Cincinnati, Ohio. Facial soap and shaving soap. Serial No. 549,204, May 10. Class 4.
Worcester Telegram Publishing Co., Inc., Worcester, Mass. Sunday newspaper. Serial No. 551,840, May 10. Class 38.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Detergent compound. Serial No. 540,952, May 10. Class 4.
Wyler, Estelle, Inc., New York, N. Y. Face creams, face powders, and lipsticks. Serial No. 560,430, May 10. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Flour Mills Co., The: *See*—
Acme Milling Co.
Acme Flour Mills Co., The, Oklahoma City, Okla. Wheat flour. 347,007, June 15, 1937. Republished May 10. Class 46.
Acme Milling Co., by The Acme Flour Mills Co., Oklahoma City, Okla. Wheat flour. 97,196, May 26, 1914. Republished May 10. Class 46.
Acme Milling Co., by The Acme Flour Mills Co., Oklahoma City, Okla. Wheat flour. 101,116, Nov. 17, 1914. Republished May 10. Class 46.
Acme Wire Company, The, New Haven, to The Acme Wire Company, Hamden, Conn. Insulated electrical conductors. 72,678, re-renewed Feb. 9, 1949. O. G. May 10. Class 21.
Advance Theatrical Shoe Co.: *See*—
Harris, Leo.
Aircraft & Diesel Equipment Corporation, Chicago, Ill. Diesel engine equipment. 509,601, May 10; Serial No. 531,876, published Feb. 1, 1949. Class 23.
AiResearch Manufacturing Co.: *See*—
Garrett Corporation, The.
Aktiebolaget Svenska Dentalinstrument, Stockholm, Sweden. Dental alloys, dental cements, dental root fillings, etc. 442,646, May 10; Serial No. 489,194, published Jan. 18, 1949. Class 44.
Aktieselskabet De Danske Spritfabrikker, Copenhagen, Denmark. Brandy. 89,213, Dec. 3, 1912. Republished May 10. Class 49.
Aktieselskabet De Danske Spritfabrikker, Copenhagen, Denmark. Spirituous liquors. 157,846, Aug. 22, 1922. Republished May 10. Class 49.
Aktieselskabet De Danske Spritfabrikker, Copenhagen, Denmark. Lees and fresh yeast. 182,657, Apr. 15, 1924. Republished May 10. Class 46.
Aktieselskabet De Danske Spritfabrikker, Copenhagen, Denmark. Brandy and alcoholic cordials and liquors. 329,602, Nov. 5, 1935. Republished May 10. Class 49.
Aktieselskabet De Danske Spritfabrikker, Copenhagen, Denmark. Liqueur. 334,711, May 12, 1936. Republished May 10. Class 49.
Aktieselskabet De Danske Spritfabrikker, Copenhagen, Denmark. Brandy. 335,315, June 2, 1936. Republished May 10. Class 49.
Allied Chemical & Dye Corporation: *See*—
National Aniline & Chemical Company, Incorporated.
Soat, Raymond.
Allied Chemical & Dye Corporation, New York, N. Y. Aqueous sulfuric acid solutions. 509,770, May 10; Serial No. 554,460, published Jan. 18, 1949. Class 6.
Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Agricultural machines. 509,617, May 10; Serial No. 534,717, published Feb. 1, 1949. Class 23.
All Metal Products Company, Wyandotte, Mich. Pop guns, air rifles, toy airplanes, etc. 286,966, Sept. 6, 1931. Republished May 10. Class 22.
Almo Sales Corporation, The, Stratford, Conn. Mechanical pencils and fountain pens. 509,675, May 10; Serial No. 540,608, published Jan. 18, 1949. Class 37.
Amberg File and Index Company, Kankakee, Ill. Paper, cloth, and cardboard files, and mounts for photographic negatives, metal tabs for file guides, etc. 509,603, May 10; Serial No. 532,536, Jan. 4, 1940. Class 37.
Ambrosia Chocolate Company, by Ambrosia Chocolate Company, Milwaukee, Wis. Chocolate candy. 73,852, May 25, 1909. Republished May 10. Class 46.
Ambrosia Chocolate Company, Milwaukee, Wis. Chocolate candy. 268,802, Mar. 18, 1930. Republished May 10. Class 46.
Ambrosia Chocolate Company, Milwaukee, Wis. Chocolate coatings, chocolate candy, hot chocolate powder, etc. 284,545, July 7, 1931. Republished May 10. Class 46.
Ambrosia Chocolate Company, Milwaukee, Wis. Sweet and bitter, solid and powdered chocolate and cocoa preparations, etc. 379,825, July 30, 1940. Republished May 10. Class 46.
Ambrosia Chocolate Company, Milwaukee, Wis. Prepared chocolate powder. 387,145, May 6, 1941. Republished May 10. Class 46.
American Brake Shoe Company, New York, N. Y. Coated metal welding rods. 509,608, May 10; Serial No. 533,253, published Feb. 1, 1949. Class 14.
American Car and Foundry Company, New York, N. Y. Metal castings. 509,775, May 10; Serial No. 555,646, published Feb. 1, 1949. Class 14.
American Chemical Paint Company, Ambler, Pa. Aluminum and aluminum alloys. 509,686, May 10; Serial No. 542,901, published Feb. 1, 1949. Class 14.
American Cyanamid Company, New York, N. Y. Flotation reagents. 257,817, renewed June 18, 1949. O. G. May 10. Class 6.
American Education Press, Inc., Columbus, Ohio. Weekly publication. 241,416, Apr. 24, 1928. Republished May 10. Class 38.
American Education Press, Inc., by The Educational Printing House, Inc., Columbus, Ohio. Weekly publication. 254,284, Mar. 19, 1929. Republished May 10. Class 38.
American Gum Products Company, New York, N. Y. Filling agent useful in the manufacture of leather. 509,784, May 10; Serial No. 558,085, published Jan. 18, 1949. Class 6.
American Lacquer Solvents Co.: *See*—
Stone, Harry E.
American Lacquer Solvents Company: *See*—
Stone, Harry E.
American Machinery Corporation, Orlando, Fla. Industrial plant pasteurizers. 509,546, May 10; Serial No. 502,679, published Jan. 18, 1949. Class 23.
American Oil Company, The, Baltimore, Md. Automobile batteries, automobile battery cables, etc. 433,124–5, Sept. 23, 1947. Canceled. O. G. May 10. Class 21.

American Oil Company, The, Baltimore, Md. Automobile batteries, automobile battery cables, etc. 433,513, Oct. 14, 1947. Canceled. O. G. May 10. Class 21.
American Oil Company, The, Baltimore, Md. Automobile batteries, automobile battery cables, etc. 434,061, Nov. 4, 1947. Canceled. O. G. May 10. Class 21.
American Oil Company, The, Baltimore, Md. Automobile tires, automobile tubes, etc. 434,424–5, Nov. 18, 1947. Canceled. O. G. May 10. Class 35.
American Oil Company, The, Baltimore, Md. Automobile tires, automobile tubes, etc. 434,436, Nov. 18, 1947. Canceled. O. G. May 10. Class 35.
American Oil Company, The, Baltimore, Md. Soap, dry-cleaning fluid, etc. 435,292–3, Dec. 16, 1947. Canceled. O. G. May 10. Class 4.
American Oil Company, The, Baltimore, Md. Soap, dry-cleaning fluid, etc. 435,306, Dec. 16, 1947. Canceled. O. G. May 10. Class 4.
American Oil Company, The, Baltimore, Md. Soap, dry-cleaning fluid, etc. 435,309, Dec. 16, 1947. Canceled. O. G. May 10. Class 4.
American Oil Company, The, Baltimore, Md. Automobile tires, automobile tubes, etc. 435,706, Jan. 6, 1948. Canceled. O. G. May 10. Class 35.
American Oil Company, The, Baltimore, Md. Automobile polish, furniture polish, etc. 436,215–16, Jan. 20, 1948. Canceled. O. G. May 10. Class 16.
American Oil Company, The, Baltimore, Md. Oil filter cartridges. 436,360, Feb. 3, 1948. Canceled. O. G. May 10. Class 23.
American Oil Company, The, Baltimore, Md. Oil filter cartridges. 436,363, Feb. 3, 1948. Canceled. O. G. May 10. Class 23.
American Oil Company, The, Baltimore, Md. Oil filter cartridges. 437,469, Mar. 23, 1948 Canceled. O. G. May 10. Class 23.
American Oil Company, The, Baltimore, Md. Oil filter cartridges. 437,476, Mar. 23, 1948. Canceled. O. G. May 10. Class 23.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewing-cotton and thread. 72,855, re-renewed Mar. 2, 1949. O. G. May 10. Class 43.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewingcotton and thread. 73,230, re-renewed Apr. 6, 1949. O. G. May 10. Class 43.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewing-cotton, thread and cotton yarn. 74,357, re-renewed July 19, 1949. O. G. May 10. Class 43.
American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewing-cottnn, thread and cotton yarn. 74,358, re-renewed July 6, 1949. O. G. May 10. Class 43.
Amsterdam Broom Co., to Amsterdam Broom Co., Amsterdam, N. Y. Brooms and brushes. 73,311, re-renewed Apr. 13, 1949. O. G. May 10. Class 29.
Angel Cream Donut Flour Company: *See*—
Echefcak, Hugo.
Anre: *See*—
Koening, Harry D.
Arma Corporation: *See*—
Pollak Manufacturing Company.
Armour and Company, Chicago, Ill. Fertilizers. 509,577, May 10; Serial No. 528,420, published Dec. 28, 1948. Class 10.
Arpesko, Inc., by Tobin Packing Co., Inc., Rochester, N. Y. Smoked pork products. 247,977, Oct. 9, 1928, republished May 10. Class 46.
Artesia Cream Company, The, by Martha Lee, Inc., Waco, Tex. Cream for the complexion and astringent lotion. 218,576, Aug. 17, 1926, republished May 10. Class 6.
Asbestos Manufacturing Company, Huntington, Ind. Asbestos brake lining and clutch facings. 509,643, May 10; Serial No. 537,782, published Feb. 1, 1949. Class 35.
Atlanta Milling Company, Atlanta, Ga. Self-rising flour, wheat flour and feeds. 509,598, May 10; Serial No. 531,640, published Jan. 18, 1949. Class 46.
Atlas Powder Company, Wilmington, Del. Emulsifying, dispersing, solubilizing and wetting agents. 509,602, May 10; Serial No. 543,871, published Dec. 21, 1948. Class 5.
Automotive Utilities Inc., Chicago, Ill. Carburetors. 509,658, May 10; Serial No. 538,707, published Jan. 25, 1949. Class 23.
Avon Products, Inc., New York, N. Y. Lipstick, rouge, nail polish. 509,809, May 10; Serial No. 534,865. Class 6.
Ayer, Harriet Hubbard, Inc., New York, N. Y. Toilet water, bath oil, cologne, etc. 509,680, May 10; Serial No. 542,269, published Jan. 11, 1949. Class 6.
B. B. Chemical Co.: *See*—
Boston Blacking Company, Inc.
Baker, H. W., Linen Co., New York, N. Y. Sheets and pillow-cases. 71,441, Nov. 24, 1908, republished May 10. Class 42.
Balboa, Mabel W., Woodside, N. Y. Gloves. 402,374, July 13, 1943. Canceled. O. G. May 10. Class 39.
Barkan, Israel, doing business as Nu-Paint Products Company, Burbank, Calif. Wallpaper paste. 509,811, May 10; Serial No. 551,935. Class 5.
Barker, Moore & Mein Co.: *See*—
Barker, Moore and Mein Co.
Barker, Moore & Mein Company: *See*—
Barker, Moore & Mein Medicine Company, The.
Barker, Moore and Mein Co., by Barker, Moore & Mein Co., Philadelphia, Pa. Periodical publication. 287,080, Sept. 15, 1931, republished May 10. Class 38.
Barker, Moore & Mein Company, Philadelphia, Pa. Ointment, lice exterminator, disinfectant, etc. 376,184, Mar. 12, 1940, republished May 10. Class 6.
Barker, Moore & Mein Medicine Company, The, by Barker, Moore & Mein Company, Philadelphia, Pa. Condition-powder and medicines. 101,615, Jan. 5, 1915, republished May 10. Class 6.
Barron, Anderson, Company: *See*—
Barron, Anderson Co.
Barron, Anderson Co., by Barron, Anderson, Company, Boston, Mass. Men's suits and overcoats. 178,824, Jan. 29, 1924, republished May 10. Class 39.
Barter, Don, Inc., Glendale, Calif. Intravenous solutions. 321,355, Jan. 29, 1935, republished May 10. Class 6.
Baxter, Don, Inc., Glendale, Calif. Container dispenser, equipment for conducting fluids, and tubing for conducting fluids. 437,839, Mar. 30, 1948, republished May 10. Class 44.
Beautymasters of Beverly Hills, Inc., Milwaukee, Wis. Lipsticks, eyebrow pencils, mascara, etc. 509,743, May 10; Serial No. 550,294, published Jan. 18, 1949. Class 6.
Becker, A. C., Co., Chicago, Ill. Pearls. 432,289, Aug. 26, 1947, republished May 10. Class 28.
Beggs & Cobb, Incorporated, Boston, Mass. Upper leather. 509,646, May 10; Serial No. 499,880, published Jan. 25, 1949. Class 1.
Bejean, Etienne, Paris, France. Preparation for the treatment of gout and rheumatism. 509,709, May 10; Serial No. 545,945, published Jan. 25, 1949. Class 6.
Bemis Bro. Bag Co., Minneapolis, Minn. Sealing tapes. 442,645, May 10; Serial No. 482,088, published Jan. 11, 1949. Class 5.
Benard & Honnoret doing business as Molinard, Grasse, France. Perfumes, toilet water, cologne, etc. 509,753, May 10; Serial No. 551,357, published Nov. 30, 1948. Class 6.
Benua, Albert R., Westerville, Ohio. Breeding of registered cattle, and in the breeding of cocker spaniels. 509,802, May 10; Serial No. 542,513, published Jan. 18, 1949. Class 55.
Berdan, John T., doing business as Drought Products, La Mirada, Calif. Insecticidal chemical. 509,734, May 10; Serial No. 549,138, published Jan. 18, 1949. Class 6.
Berlon Manufacturing Company: *See*—
Peterson, Bernhard.
Bernstein, Maurice L., doing business as Carol Drug Co., Washington, D. C., to Abraham Hertalich, Silver Spring, Md. Antacid, digestant, and carminative. 255,995, renewed May 7, 1949. O. G. May 10. Class 6.
Bickley Manufacturing Co., Bala-Cynwyd, Pa. Combination paper clip and portable backer for writing paper. 506,613, May 10; Serial No. 533,980, published Jan. 11, 1949. Class 37.
Binney & Smith Co., New York, N. Y. Crayons and lead and slate pencils. 74,009, re-renewed June 8, 1949. O. G. May 10. Class 37.
Binney & Smith Co., New York, N. Y. Crayons, slate pencils, and chalk. 253,002, renewed Feb. 19, 1949. O. G. May 10. Class 37.
Binney & Smith Co., New York, N. Y. Periodic publication. 253,398, renewed Feb. 26, 1949. O. G. May 10. Class 38.
Binney & Smith Co., New York, N. Y. Solid petroleum residues and asphaltic residues and product made therefrom. 266,081, renewed May 7, 1949. O. G. May 10. Class 1.
Birge, Nathaniel B., Sherman, Tex. Electrical switches. 436,635, Feb. 17, 1948, republished May 10. Class 21.
Blackhawk Mfg. Co., Milwaukee, Wis. Wrenches and twisting tool sets. 509,684, May 10; Serial No. 542,433, published Jan. 25, 1949. Class 23.
Black Hills Jewelry Co.: *See*—
Landstrom, Ivan E.
Blake Manufacturing Co., Pawbuska, Okla. Air deflector. 509,758, May 10; Serial No. 552,632, published Oct. 5, 1948. Class 19.
Blubuck Manufacturing Co., by Elk Brand Shirt and Overall Company, Hopkinsville, Ky. Overalls and work shirts. 129,126, Jan. 27, 1920, republished May 10. Class 39.
Blue Seal Extract Company, Cambridge, Mass. Carbonated beverages, ginger ale and ginger-ale extract. 256,633, renewed May 21, 1949. O. G. May 10. Class 45.
Boback, H. C., Co. Inc., Brooklyn, N. Y. Cake. 253,230, renewed Feb. 26, 1949. O. G. May 10. Class 46.
Boback, H. C., Co. Inc., Brooklyn, N. Y. Bread. 253,234, renewed Feb. 26, 1949. O. G. May 10. Class 46.
Bon Ami Company, The: *See*—
Bon Ami Co., The.
Bon Ami Company.
Bon Ami Company, by The Bon Ami Company, New York, N. Y. Scouring soap. 50,848, Apr. 3, 1906, republished May 10. Class 4.
Bon Ami Company, by The Bon Ami Company, New York, N. Y. Scouring soap. 88,548, Oct. 1, 1912, republished May 10. Class 4.

Bon Ami Co., The, by The Bon Ami Company, New York, N. Y. Scouring soap. 99,079, Aug. 16, 1914, republished May 10. Class 4.

Bon Ami Co., The, assignee to The Bon Ami Company, by The Bon Ami Company, New York, N. Y. Scouring soap. 109,312, Mar. 28, 1916, republished May 10. Class 4.

Bon Ami Company, The, New York, N. Y. Scouring soap. 216,840, Oct. 3, 1926. Republished May 10. Class 4.

Bon Ami Company, The, New York, N. Y. Scouring soap. 243,033, June 12, 1928. Republished May 10. Class 4.

Bon Ami Company, The, New York, N. Y. Scouring soap. 261,327, Sept. 17, 1929. Republished May 10. Class 4.

Bon Ami Company, The, New York, N. Y. Cleaning and polishing powder. 293,055, Apr. 5, 1932. Republished May 10. Class 4.

Bon Ami Company, The, New York, N. Y. Tooth paste. 297,071, Aug. 30, 1932. Republished May 10. Class 6.

Bon Ami Company, The, New York, N. Y. Tooth paste. 297,192, Sept. 6, 1932. Republished May 10. Class 6.

Bon Ami Company, The, New York, N. Y. Polishing and cleaning powder. 299,120, Nov. 22, 1932. Republished May 10. Class 4.

Bon Ami Company, New York, N. Y. Scouring soap, and cleaning and polishing powder. 303,440, May 23, 1933, republished May 10. Class 4.

Bon Ami Company, The, New York, N. Y. Polishing and cleaning powder. 337,902, Aug. 25, 1936. Republished May 10. Class 4.

Bon Ami Company, The, New York, N. Y. Cleansing powder. 342,279, Jan. 12, 1937. Republished May 10. Class 4.

Bon Ami Company, The, New York, N. Y. Scouring soap. 395,607, June 2, 1942. Republished May 10. Class 4.

Bon Ami Company, The, New York, N. Y. Scouring soap. 403,812, Oct. 19, 1943. Republished May 10. Class 4.

Bond, Charles, Company, Philadelphia, Pa. Shaft couplings. 509,623–4, May 10; Serial No. 536,039–40, published Jan. 18, 1949. Class 23.

Bonne Bell, Inc., Lakewood, Ohio. Shampoo. 509,671, May 10; Serial No. 540,026, published Feb. 1, 1949. Class 6.

Booth, A., & Company, Chicago, Ill., Baltimore, Md., St. Paul, Duluth, Minneapolis, Minn., St. Louis, Mo., Louisville, Ky., Omaha, Nebr., Indianapolis, Ind., Port Arthur, Canada, to Booth Fisheries Corporation, Chicago, Ill. Canned salmon and canned oysters. 72,775, re-renewed Feb. 23, 1949. O. G. May 10. Class 46.

Booth Fisheries Corporation: *See*—
Booth, A., & Company.

Boott Mills, Lowell, Mass. Cotton piece goods. 259,572, renewed Aug. 6, 1949. O. G. May 10. Class 42.

Boott Mills, Lowell, Mass. Toweling and hand and bath towels of textile fabric. 259,629, renewed Aug. 6, 1949. O. G. May 10. Class 42.

Borden Company, The: *See*—
Dairy Made Ice Cream Company.

Boss Manufacturing Company, The, Kewanee, Ill., and Brooklyn, N. Y., to The Boss Manufacturing Company, Kewanee, Ill. Gloves and mittens. 253,780, renewed Mar. 8, 1949. O. G. May 10. Class 39.

Boston Blacking Company, Inc., to B. B. Chemical Co., Boston, Mass. Latex cement. 253,255, renewed Feb. 26, 1949. O. G. May 10. Class 5.

Botany Mills, Inc.: *See*—
Botany Worsted Mills.

Botany Worsted Mills, by Botany Mills, Inc., Passaic, N. J. Neckties. 367,180, May 9, 1939. Republished May 10. Class 39.

Botany Worsted Mills, by Botany Mills, Inc., Passaic, N. J. Woolen and worsted piece goods. 386,862, Apr. 22, 1941. Republished May 10. Class 42.

Botany Worsted Mills, by Botany Mills, Inc., Passaic, N. J. Yarns. 404,617, Dec. 7, 1943. Republished May 10. Class 43.

Bowman Dairy Company, Chicago, Ill. Fluid milk and cream. 509,586, May 10; Serial No. 529,350, published Jan. 18, 1949. Class 46.

Brillo Manufacturing Company, Inc., Brooklyn, N. Y. Soaps, cleaning, scouring, and polishing wads, pads, rolls and cloths. 259,962, renewed Aug. 13, 1949. O. G. May 10. Class 4.

Bristol Laboratories Inc., Syracuse, N. Y. Folic acid parenteral product. 509,679, May 10; Serial No. 541,506, published Jan. 18, 1949. Class 6.

Bronsette Foundations, Inc., New York, N. Y. Girdles, corsets, brassières, and combinations thereof. 364,027, Jan. 17, 1939. Republished May 10. Class 39.

Brown & Bigelow, St. Paul, Minn. Mechanical pencils. 509,562, May 10; Serial No. 519,459, published Jan. 25, 1949. Class 37.

Brown, John A., by J. A. Brown, Jr., Washington, Kans. Cosmetic compound. 33,737, Nov. 14, 1899. Republished May 10. Class 6.

Brown, John A., Jr.: *See*—
Brown, John A.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard balls. 261,840, Sept. 24, 1929. Republished May 10. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cue tips. 296,835, Aug. 23, 1932. Republished May 10. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling alley finish in the nature of a cleaner and polish. 411,139, Jan. 2, 1945. Republished May 10. Class 10.

Brunswick Laboratories, Inc., Chicago, Ill. Ointment and powder for athlete's foot. 509,604, May 10; Serial No. 532,680, published Dec. 7, 1948. Class 6.

Budds Aero Castings, Incorporated, Canaan, Conn. Metal castings. 442,648, May 10; Serial No. 491,311, published Jan. 18, 1949. Class 14.

Bunyan, Paul, Bait Company, The, Minneapolis, Minn. Fishing spoons. 421,828, June 18, 1946. Republished May 10. Class 22.

Burroughs Wellcome & Co. (U. S. A.) Inc.: *See*—
Wellcome, Henry S.

Burrus Mill and Elevator Co.: *See*—
Tex-O-Kan Flour Mills Co.

Byron Hat Corporation, New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Hats for men. 283,097, May 19, 1931. Republished May 10. Class 39.

California Nursery Company, Niles, Calif. Fruit trees, rose plants, and ornamental trees and plants. 509,554, May 10; Serial No. 513,966, published Feb. 1, 1949. Class 1.

California Olive Association, San Francisco, Calif. Canned olives. 377,349, Apr. 30, 1940. Republished May 10. Class 46.

Calibeck, Gordon, Denver, Colo. Fertilizers. 509,755, May 10; Serial No. 551,852, published Feb. 1, 1949. Class 10.

Calumet and Hecla Consolidated Copper Company: *See*—
Wolverine Tube Company.

Cando Company: *See*—
Cando Corporation, The.

Cando Corporation, The, Cambridge, to Cando Company, Boston, Mass. Polishing paste, powder or liquid. 258,965–6, renewed July 16, 1949. O. G. May 10. Class 4.

Canepa, John B., Company, The, Chicago, Ill. Macaroni, spaghetti, vermicelli, etc. 509,067, May 10; Serial No. 539,850, published Jan. 18, 1949. Class 46.

Canners Exchange Inc., Springfield, Mo. Canned vegetables and canned blackberries. 399,320, Dec. 29, 1942. Republished May 10. Class 46.

Capper-Harman-Slocum, Inc., Cleveland, Ohio. Bimonthly publication. 509,576, May 10; Serial No. 528,429, published Jan. 18, 1949. Class 38.

Capper-Harman-Slocum, Inc., Cleveland, Ohio. Bimonthly publication. 509,584, May 10; Serial No. 528,691, published Jan. 18, 1949. Class 38.

Caravetta Foods Co., Chicago, Ill. Cheese. 438,542, Apr. 27, 1948. Republished May 10. Class 46.

Carol Drug Co.: *See*—
Bernstein, Maurice L.

Casement Hardware Company, The, Chicago, Ill. Casement window units. 509,603, May 10; Serial No. 543,884, published Jan. 11, 1949. Class 12.

Central Coast Marketing Association, Inc., Watsonville, Calif. Fresh vegetables. 509,685, May 10; Serial No. 542,807, published Jan. 18, 1949. Class 46.

Central National Corporation, New York, N. Y. Bond papers, bristol board, glassine, etc. 509,713–14, May 10; Serial No. 546,465–6, published Jan. 4, 1949. Class 37.

Charles of the Ritz, Inc., to The Pharma-Craft Corporation, New York, N. Y. Toilet soaps. 412,297, Feb. 27, 1945. New certificate. O. G. May 10. Class 4.

Charles of the Ritz, Inc., to The Pharma-Craft Corporation, New York, N. Y. Toilet waters, dusting powder, etc. 424,697, Oct. 22, 1946. New certificate. O. G. May 10. Class 6.

Chase & Company, Sanford, Fla. Fresh fruits and vegetables. 114,433, Dec. 19, 1916. Republished May 10. Class 46.

Cherry Growers, Inc.: *See*—
Cherry Growers Packing Company.
Grand Traverse Packing Company.

Cherry Growers, Inc., Traverse City, Mich. Fruits. 396,938, Aug. 11, 1942. Republished May 10. Class 46.

Cherry Growers Packing Company, by Cherry Growers, Inc., Traverse City, Mich. Canned fruits. 354,039, Feb. 1, 1938. Republished May 10. Class 46.

Chittenden & Eastman Company, Burlington, Iowa. Upholstered furniture. 336,144, June 30, 1936. Republished May 10. Class 32.

Chittenden & Eastman Company, Burlington, Iowa. Mattresses and box springs. 361,827, Oct. 11, 1938. Republished May 10. Class 32.

Chryson's, Inc., to Chryson's, Ltd., Los Angeles, Calif. Greeting cards, wedding invitations, announcements. 250,771, renewed Dec. 18, 1948. O. G. May 10. Class 38.

Chryson's, Inc., to Chryson's, Ltd., Los Angeles, Calif. Stationery. 250,846, renewed Dec. 18, 1948. O. G. May 10. Class 37.

Chryson's, Ltd.: *See*—
Chryson's, Inc.

Chula Vista Mutual Lemon Association, Inc., Chula Vista, Calif. Fresh lemons. 257,832, renewed June 18, 1949. O. G. May 10. Class 46.

Citrus Products, Inc., Olive, by Mutual Orange Distributors, Redland, Calif. Canned citrus fruit juices. 349,723, Aug. 31, 1937. Republished May 10. Class 46.

Cle-Draulic Company, Cleveland, Ohio. Shock absorbers. 442,665, May 10; Serial No. 513,028, published Jan. 4, 1949. Class 19.

Cle-Draulic Company, Cleveland, Ohio. Shock absorbers. 442,666, May 10; Serial No. 513,388, published Jan. 4, 1949. Class 19.

Cleveland Provision Company: *See*—
Cleveland Provision Co., The.

Cleveland Provision Co., The, by Cleveland Provision Company, Cleveland, Ohio. Lard. 88,399, Sept. 17, 1912. Republished May 10. Class 46.

Clofine, Herbert K., doing business as Herbert K. Clofine, Philadelphia, Pa. Dried milk products. 442,659, May 10; Serial No. 507,573, published Jan. 25, 1949. Class 46.

Clover Farm Stores Corporation, Cleveland, Ohio. Toothpicks. 509,759, May 10; Serial No. 553,075, published Jan. 18, 1949. Class 44.

Coeur & Hallock Mfg. Co., Kansas City, Mo. Hydraulic lift trailers. 509,706, May 10; Serial No. 545,238, published Jan. 4, 1949. Class 19.

Cohn & Rosenberger, Inc., by Coro, Inc., New York, N. Y. Necklaces and bracelets, finger rings, earrings, etc. 376,425, June 11, 1940. Republished May 10. Classes 2, 3, and 28.

Cook, Ralph L. Medford, Oreg. Fresh pears. 442,680, May 10; Serial No. 520,982, published Jan. 18, 1949. Class 46.

Colonial Pen Corporation, New York, N. Y. Fountain pens and writing pencils. 509,636, May 10; Serial No. 537,009, published Jan. 11, 1949. Class 37.

Colonial Pen Corporation, New York, N. Y. Fountain pens and writing pencils. 509,644–5, May 10; Serial Nos. 537,785–6, published Jan. 11, 1949. Class 37.

Colt's Manufacturing Company: *See*—
Colt's Patent Fire Arms Manufacturing Company.

Colt's Patent Fire Arms Manufacturing Company, to Colt's Manufacturing Company, Hartford, Conn. Pistols. 32,536, re-renewed Feb. 21, 1949. O. G. May 10. Class 9.

Columbia Pencil Company: *See*—
Strauss, Bertram A.

Commercial Importing Co., Seattle, Wash. Coffee, tea, food flavoring extracts, etc. 509,664, May 10; Serial No. 539,495, published Jan. 18, 1949. Class 46.

Consolidated Mining and Smelting Company of Canada Limited, The, Montreal, Quebec, Canada. Chemical fertilizers. 509,595, May 10; Serial No. 531,314, published Jan. 11, 1949. Class 10.

Coro, Inc.: *See*—
Cohn & Rosenberger, Inc.

Coro, Inc., New York, N. Y. Necklaces, bracelets, earrings, etc. 407,989, July 11, 1944. Republished May 10. Classes 2, 3, and 28.

Coro, Inc., New York, N. Y. Necklaces, bracelets, finger rings, etc. 428,993, Apr. 15, 1947. Republished May 10. Classes 2 and 28.

Cortunon Co., Inc., New York, N. Y. Medicinal preparation. 509,787, May 10; Serial No. 559,995, published Feb. 1, 1949. Class 6.

Costa Distributing Co. of El Centro, El Centro, Calif. Fresh vegetables. 432,672, Sept. 9, 1947. Republished May 10. Class 46.

Cotton, John, Limited, Edinburgh, Scotland. Smoking tobacco. 249,294, Nov. 13, 1928. Republished May 10. Class 17.

Coward Shoe, Inc., The, New York, N. Y. Leather shoes. 345,824, May 11, 1937. Republished May 10. Class 39.

Coward Shoe, Inc., The, New York, N. Y. Leather shoes. 374,112, Jan. 2, 1940. Republished May 10. Class 39.

Coward Shoe, Inc., The, New York, N. Y. Leather shoes. 384,199, Jan. 7, 1941. Republished May 10. Class 39.

Craftmaster Products Corporation, New York, N. Y. Cooking utensils made of a base metal. 427,267, Feb. 4, 1947. Canceled. O. G. May 10. Class 13.

Creek Club Bait Company, The, Garrett, Ind. Artificial fishing lure. 509,808, May 10; Serial No. 531,444. Class 22.

Crofut & Knapp Co., The, South Norwalk, by Hat Corporation of America, Norwalk, Conn. Felt hats for men. 262,992, Oct. 29, 1929. Republished May 10. Class 39.

Crompton & Knowles Loom Works, Worcester, Mass. Looms and parts thereof. 509,578–80, May 10; Serial Nos. 528,432–3, published Feb. 1, 1949. Class 23.

Crouse-Hinds Company, Syracuse, N. Y. Electric switchboards and switches, electric-arc lamps, sockets, and receptacles. 71,992, re-renewed Dec. 29, 1948. O. G. May 10. Class 21.

Crozer-Pocahontas Company, Philadelphia, Pa. Coal. 509,712, May 10; Serial No. 546,191, published Jan. 25, 1949. Class 1.

Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses. 367,846, May 30, 1939. Republished May 10. Class 39.

Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses and dress ensembles. 378,764, June 18, 1940. Republished May 10. Class 39.

Crystal, David, Inc., New York, N. Y. Textile fabrics. 388,468, June 24, 1941. Republished May 10. Class 42.

Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses and dress ensembles. 388,905, July 15, 1941. Republished May 10. Class 39.

Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses and dress ensembles. 395,134, May 12, 1942. Republished May 10. Class 39.

Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses, dress ensembles. 396,712, July 28, 1942. Republished May 10. Class 39.

Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses and dress ensembles. 397,837, Sept. 22, 1942. Republished May 10. Class 39.

Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses and dress ensembles. 404,730, Dec. 21, 1943. Republished May 10. Class 39.

Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses, coats, dress and jacket ensembles, etc. 418,980, Jan. 15, 1946. Republished May 10. Class 39.

Crystal, David, Inc., New York, N. Y. Rayon piece goods. 422,627, Aug. 6, 1946. Republished May 10. Class 42.

Cudahy Packing Company, The: *See*—
Cudahy Packing Co., The.

Cudahy Packing Co., The, Chicago, Ill., and South Omaha, Nebr., by The Cudahy Packing Company, Chicago, Ill. Abrasive soap. 68,213, Mar. 17, 1908. Republished May 10. Class 4.

Cudahy Packing Company, The, Chicago, Ill. Meat meal, dried blood, and raw bone. 183,414, Apr. 29, 1924. Republished May 10. Class 46.

Cudahy Packing Company, The, Chicago, Ill. Dressed poultry. 355,109, Mar. 8, 1938. Republished May 10. Class 46.

Curtis 1000 Inc., St. Paul, Minn. Correspondence and mailing envelopes. 509,614, May 10; Serial No. 534,001, published Jan. 18, 1949. Class 37.

Curtis 1000 Inc., St. Paul, Minn. Filing envelopes. 509,615, May 10; Serial No. 534,002, published Jan. 18, 1949. Class 37.

Curtis 1000 Inc., St. Paul, Minn. Mailing and correspondence envelopes. 509,616, May 10; Serial No. 534,003, published Jan. 18, 1949. Class 37.

Cushman Motor Works, The, by Cushman Motor Works, Inc., Lincoln, Nebr. Internal combustion engines and structural parts thereof. 362,712, Nov. 29, 1938. Republished May 10. Class 23.

Cushman Motor Works Inc.: *See*—
Cushman Motor Works, The.

Cutter Laboratories, Berkeley, Calif. Veterinary antiseptic. 509,796, May 10; Serial No. 564,061, published Jan. 18, 1949. Class 6.

D. & S. Tablet Company, by Write Right Manufacturing Company, Atlanta, Ga. Writing tablets, notebooks, composition books, etc. 223,319, Feb. 1, 1927. Republished May 10. Class 37.

D-String Co.: *See*—
Wilhelm, Warner F.

Dabney Pharmacal Company, Inc.: *See*—
Watkins, William W.

Daggett & Ramsdell, assignor to Daggett and Ramsdell, Inc., New York, N. Y. Bubble bath, bath (boudoir) powder, dusting powder, etc. 509,733, May 10; Serial No. 549,132, published Dec. 7, 1948. Class 6.

Daggett and Ramsdell, Inc.: *See*—
Daggett & Ramsdell.

Dairy Made Ice Cream Company, Paterson, N. J., assignor to Dairy Made Ice Cream Company, Inc., to The Borden Company, New York, N. Y. Ice cream. 258,314, renewed July 2, 1949. O. G. May 10. Class 46.

Dairy Made Ice Cream Company, Inc.: *See*—
Dairy Made Ice Cream Company.

Dalare Associates, Philadelphia, Pa. Specific preparations designed for the oral treatment of those symptoms such as rhinitis, sinusitis, urticaria, etc. 509,794, May 10; Serial No. 564,022, published Jan. 25, 1949. Class 6.

Dant & Russell, Inc., Portland, Oreg. Expanded perlite. 509,665, May 10; Serial No. 539,669, published Feb. 1, 1949. Class 10.

Darling and Company, Chicago, Ill. Fertilizers. 509,582, May 10; Serial No. 528,558, published Nov. 30, 1948. Class 10.

Davidson, Albert W., Arcadia, Calif. Flowers. 509,622, May 10; Serial No. 535,690, published Jan. 25, 1949. Class 1.

Davidson Rubber Company, Boston, Mass. Nursing bottle nipples. 509,552, May 10; Serial No. 513,299, published Jan. 25, 1949. Class 44.

Davis Millwork Company, Forty Fort, Pa. Kitchen cabinets. 434,008, Nov. 4, 1947. Republished May 10. Class 32.

Day's, Mrs., Ideal Baby Shoe Company, Inc., Danvers, Mass. House slippers for children. 434,388, Nov. 18, 1947. Republished May 10. Class 39.

Day's, Mrs., Ideal Baby Shoe Company, Inc., Danvers, Mass. Shoes, slippers, boots, and moccasins for children. 437,633, Mar. 30, 1948. Republished May 10. Class 39.

Dayton Laminating Company, West Carrollton, Ohio. Laminated sheet material. 509,564, May 10; Serial No. 520,934, published Jan. 18, 1949. Class 37.

Deere & Company, Moline, Ill. Plow shares and cultivator shovels. 509,589, May 10; Serial No. 530,178, published Jan. 18, 1949. Class 23.

DeKalb Agricultural Association, Inc.: *See*—
DeKalb Hybrid Seed Company.

DeKalb Hybrid Seed Company, assignor to DeKalb Agricultural Association, Inc., DeKalb, Ill. Baby chicks. 509,810, May 10; Serial No. 540,647. Class 2.

Denver Chemical Manufacturing Company, The, New York, N. Y. Medicinal preparation. 509,729, May 10; Serial No. 550,031, published Dec. 28, 1948. Class 6.

Detroit Sulphite Pulp and Paper Company, Detroit, Mich. Bristol board, tissue and wrapping papers. 509,596, May 10; Serial No. 531,450, published Jan. 25, 1949. Class 37.

Diebold, Incorporated, Canton, Ohio. Composite guides for card filing equipment. 509,592, May 10; Serial No. 530,390, published Jan. 18, 1949. Class 37.

Diversey Corporation, The, Chicago, Ill. Disinfectants, germicides, and sterilizers. 351,188, Oct. 19, 1937. Republished May 10. Class 6.

Dobbs & Co., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Hats for women. 280,522, Feb. 17, 1931. Republished May 10. Class 39.

Drought Products: *See*—
Berdan, John T.

Dumari Textile Co., Inc., New York, N. Y. Cotton piece goods. 222,405, Jan. 4, 1927. Republished May 10. Class 42.

Dun & Bradstreet, Inc., New York, N. Y. Magazine, printed charts, graphs, and tabulations. 509,756, May 10; Serial No. 551,874, published Jan. 18, 1949. Class 38.

Dun & Bradstreet, Inc., New York, N. Y. Magazine. 509,757, May 10; Serial No. 551,875, published Jan. 18, 1949. Class 38.

Dunbar-Dukate Company, Inc., New Orleans, La., by McPhillips Packing Corporation, Bayou, La., and Batre, Ala. Canned ravioilis and canned oysters. 248,635, Oct. 23, 1928. Republished May 10. Class 46.

Dunlap & Co., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Hats and caps of all kinds. 51,125, Apr. 3, 1906. Republished May 10. Class 39.

Dunne, W. H., Co., The, Norwich, N. Y. Canned vegetables, canned fish, evaporated milk, condensed milk, etc. 199,919, June 23, 1925. Republished May 10. Class 46.

Du Pont, E. I., de Nemours and Company: *See*—
Newport Manufacturing Company.

Du Pont, E. I., de Nemours Powder Company, Hoboken, N. J., to Hercules Powder Company, Wilmington, Del. Dynamite and gelatinized powder. 74,364, re-newed July 6, 1949. O. G. May 10. Class 9.

Duralloy Company, The, Scottdale, Pa. Metal alloys. 442,650, May 10; Serial No. 493,951, published Mar. 16, 1948. Class 14.

Dusmi-Wallace and Company, New York, N. Y. Plastic molding powders; liquid plastic compounds and doughs; sheets, rods, and tubes of plastic stock. 509,678, May 10; Serial No. 540,799, published Feb. 1, 1949. Class 1.

Eastern States Farmers' Exchange, West Springfield, Mass. Fertilizers. 509,750, May 10; Serial No. 551,253, published Feb. 1, 1949. Class 10.

Eastern States Farmers' Exchange, West Springfield, Mass. Disinfectants, insecticides, fungicides, etc. 509,751, May 10; Serial No. 551,259, published Jan. 25, 1949. Class 6.

Eastern States Farmers' Exchange, West Springfield, Mass. Fertilizers. 509,752, May 10; Serial No. 551,260, published Dec. 14, 1948. Class 10.

East Michigan Tourist Association, Bay City, Mich. Magazines. 442,692, May 10; Serial No. 524,958, published Jan. 25, 1949. Class 38.

Educational Printing House, Inc., The: *See*—
American Education Press, Inc.

Electromaster, Inc., Detroit, Mich. Electric timers. 435,655, Jan. 6, 1948. Canceled. O. G. May 10. Class 21.

Elizabeth City Hosiery Co., by Robinson Manufacturing Company, Elizabeth City, N. C. Hosiery. 257,223, June 4, 1929. Republished May 10. Class 39.

Elk Brand Shirt and Overall Company: *See*—
Blubuck Manufacturing Co.

Elk Brand Shirt and Overall Company, Hopkinsville, Ky. Dress shirts for men and boys. 264,755, Dec. 3, 1929. Republished May 10. Class 39.

Ellicott Machine Corporation, Baltimore, Md. Dredging pumps and dredging machinery. 264,337, Nov. 26, 1929. Republished May 10. Class 23.

Elm Grove Milling Company, Elm Grove, Wis. Feed for domestic animals and fowl. 509,668, May 10; Serial No. 539,864, published Jan. 18, 1949. Class 46.

Elmo, Inc., Philadelphia, Pa. Toilet lotions. 509,687, May 10; Serial No. 543,027, published Jan. 11, 1949. Class 6.

Elsesser-Heynemann Company: *See*—
Nenstadter Brothers.

Elwell, Edward, Ltd., Wednesbury, England. Metal shovels, picks, hoes, etc. 227,072, Apr. 26, 1947. Republished May 10. Class 23.

Empire Tractor Corporation, New York, N. Y. Automobiles and automobile trailers. 442,687, May 10; Serial No. 506,994, published Jan. 11, 1949. Class 19.

Epsana Medicine Co.: *See*—
Sharpe, Albert S.

Ernest, J. Walter: *See*—
Turner's Pharmacy.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Ink pencils and mechanical pencils. 509,660, May 10; Serial No. 539,945, published Jan. 18, 1949. Class 37.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Rubber erasers, rubber bands, lead pencils, etc. 509,702, May 10; Serial No. 544,555, published Jan. 4, 1949. Class 37.

Faesy & Besthoff, Inc., New York, N. Y. Calcium chloride. 509,646, May 10; Serial No. 538,115, published Jan. 11, 1949. Class 6.

Fansler, Walter A., doing business as Fuller Pharmaceutical Company, Minneapolis, Minn. Analgesic and sedative. 509,774, May 10; Serial No. 555,399, published Jan. 18, 1949. Class 6.

Farmers Produce Co., Tripoli, Iowa. Fresh and storage eggs, and dressed poultry, and frozen canned eggs. 509,590, May 10; Serial No. 530,182, published Jan. 18, 1949. Class 46.

Fashion Park, Inc.: *See*—
Fashion Park Incorporated.

Fashion Park Incorporated, to Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants, and overcoats. 258,433–4, renewed July 9, 1949. O. G. May 10. Class 39.

Fawcett Publications, Inc., Greenwich, Conn. Monthly periodical. 390,645, Sept. 30, 1941. Republished May 10. Class 38.

Federal Cartridge Corporation, Minneapolis, Minn. Cartridges and shotgun shells. 509,767, May 10; Serial No. 554,221, published Feb. 1, 1949. Class 9.

Feferman, Ben, Motor Sales Corporation, South Bend, Ind. Automobile seat covers. 509,718, May 10; Serial No. 547,106, published Jan. 11, 1949. Class 19.

Ferro Enamel Corporation, Cleveland, Ohio. Cleaning compounds. 319,895, Dec. 11, 1934. Republished May 10. Class 4.

Flannery Bolt Company, Wilmington, Del., and Pittsburgh, Pa., by Flannery Bolt Company (1926), Bridgeville, Pa. Boiler stay bolts, track frog and switch bolts and nuts, etc. 161,468, Nov. 14, 1922. Republished May 10. Class 13.

Flannery Bolt Company (1926): *See*—
Flannery Bolt Company.

Flash Luncheonette, Inc., assignor to King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Sandwiches. 383,955, Dec. 31, 1940. Republished May 10. Class 46.

Flor-Dry Company, The: *See*—
Warren, Lucille J.

Florsheim Shoe Company, The, Chicago, Ill. Shoes. 259,268, renewed July 30, 1949. O. G. May 10. Class 39.

Food Machinery and Chemical Corporation: *See*—
Westvaco Chemical Corporation.

Foremost Dairies, Inc.: *See*—
Foremost Dairy Products Incorporated.

Foremost Dairies, Inc., by Foremost Dairies, Inc., (1946), Jacksonville, Fla. Ice cream. 360,949, Oct. 4, 1938. Republished May 10. Class 46.

Foremost Dairies, Inc. (1946): *See*—
Foremost Dairy Products Incorporated.

Foremost Dairy Products Incorporated, by Foremost Dairies, Inc., Jacksonville, Fla. Ice cream. 301,356, Feb. 28, 1933. Republished May 10. Class 46.

Foremost Dairy Products Inc., by Foremost Dairies, Inc. (1946), Jacksonville, Fla. Ice cream, sherbets and custard. 302,599, Apr. 25, 1933. Republished May 10. Class 46.

Forman, John A., doing business as Philadelphia Soda Fountain Supply, Philadelphia, Pa. Toppings for sundaes. 442,658, May 10; Serial No. 524,242, published Jan. 18, 1949. Class 46.

Fouke Fur Company, St. Louis, Mo. Fur skins, hides, and pelts. 509,569, May 10; Serial No. 527,183, published Feb. 1, 1949. Class 1.

Fouke Fur Company, St. Louis, Mo. Fur skins, hides, and pelts. 509,570, May 10; Serial No. 527,189, published Feb. 1, 1949. Class 1.

Frank Drug Co.: *See*—
Hanrahan Pharmacal Co. Inc.

Frigid Fluid Company, Chicago, Ill. Embalming preparations. 509,670, May 10; Serial No. 539,949, published Dec. 7, 1948. Class 6.

Fruitvale Canning Company, Oakland, Calif. Canned fruits. 509,676, May 10; Serial No. 540,660, published Jan. 4, 1949. Class 46.

Fuller Pharmaceutical Company: *See*—
Fansler, Walter A.

Gallitano, Leo, Waltham, Mass. Chemical for coloring hearth fires. 436,969, Mar. 2, 1948. Republished May 10. Class 6.

Garden of the Setting Sun, Inc., Mecca, Calif. Fresh dates. 509,587, May 10; Serial No. 529,760, published Jan. 18, 1949. Class 46.

Garfinckel, Julius, & Co., Incorporated: *See*—
Garfinkle, Julius.

Garfinkle, Julius, Washington, D. C., New York, N. Y., and Paris, France, by Julius Garfinckel & Co., Incorporated, Washington, D. C. Corsets and corset-waists. 72,276, Jan. 12, 1909. Republished May 10. Class 39.

Garrett Corporation, The, doing business as AiResearch Manufacturing Co., Los Angeles, Calif. Radiator type oil coolant-regulators, radiator type, heat exchange units, etc. 509,534, May 10; Serial No. 476,905, published Jan. 25, 1949. Class 23.

Gaw-O'Hara Envelope Co., Chicago, Ill. Envelopes, letterheads, billheads, etc. 246,866, Sept. 18, 1928. Republished May 10. Class 37.

Gelgy Company, Inc., New York, N. Y. Insecticides. 509,688, May 10; Serial No. 543,175, published Nov. 30, 1948. Class 6.

General Dyestuff Corporation, New York, N. Y. Emulsifying agents. 509,550, May 10; Serial No. 511,079, published Jan. 11, 1949. Class 6.

Gilbert & Barker Manufacturing Company, West Springfield, Mass. Regulated flow type fluid dispensing pumps. 442,672, May 10; Serial No. 517,476, published Jan. 18, 1949. Class 23.

Gilbert, William L., Clock Company, by The William L. Gilbert Clock Corporation, Winsted, Conn. Clocks. 243,854, July 3, 1928. Republished May 10. Class 27.

Gilbert, William L., Clock Company, by The William L. Gilbert Clock Corporation, Winsted Conn. Clocks. 246,726, Sept. 11, 1928. Republished May 10. Class 27.

Gilbert, William L., Clock Corporation, The: *See*—
Gilbert, William L., Clock Company.

Gipson, Vernon Worth, Ill. Sporting and target rifles, cartridge loading tools, etc. 509,635, May 10; Serial No. 536,892, published Dec. 7, 1948. Class 9.

Gladden, John N., Glendale, Calif. Motorcycles. 438,384, Apr. 20, 1948. Republished May 10. Class 19.

Glaser, Crandell Co., Chicago, Ill. Prepared mustard. 407,156, May 23, 1944. Republished May 10. Class 46.

Glass Industry Publishing Co., Inc., by Ogden Publishing Company, New York, N. Y. Publication. 142,269, May 10, 1921. Republished May 10. Class 38.

Glidden Company, The, Cleveland, Ohio. Stabilized rosin. 509,716, May 10; Serial No. 546,695, published Feb. 1, 1949. Class 1.

Globe Novelty House, Inc.: *See*—
Hewes & Potter.

Gloster Products, Inc., Chicago, Ill. Automobile seat covers. 442,664, May 10; Serial No. 511,466, published Jan. 4, 1949. Class 19.

Gold Medal Haarlem Oil Corporation, Jersey City, N. J. Haarlem oil. 509,663, May 10; Serial No. 539,311, published Jan. 18, 1949. Class 6.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Pneumatic tires. 442,677, May 10; Serial No. 519,748, published Feb. 1, 1949. Class 35.

Grabosky Bros., Inc., Philadelphia, Pa. Cigars. 414,688, June 19, 1945. Republished May 10. Class 17.

Grabosky, Louie B., by Grabosky Bros., Inc., Philadelphia, Pa. Cigars. 286,824–5, Sept. 8, 1931. Republished May 10. Class 17.

Grand Traverse Packing Company, by Cherry Growers, Inc., Traverse City, Mich. Canned cherries. 244,693, July 24, 1928. Republished May 10. Class 46.

Greenbrook Chemical Co.: *See*—
Pierschalski, Walter.

Green's Fuel, Inc., Sarasota, Fla. Liquified petroleum gases. 509,780, May 10; Serial No. 558,650, published Jan. 18, 1949. Class 6.

Gretsch, Fred, Manufacturing Co., The: *See*—
Lange, William L.

Griess-Pfleger Tanning Co., The, Waukegan, Ill. Leather. 437,802, Mar. 30, 1948. Republished May 10. Class 1.

Griffin, Arthur L., Toledo, Ohio. Hand rests, used as a support for the hand when writing. 442,651, May 10; Serial No. 498,138, published Jan. 11, 1949. Class 37.

Griffin Chemical Company, San Francisco, Calif. Acetal; acetaldehyde; acetamide, etc. 509,600, May 10; Serial No. 531,801, published Nov. 30, 1948. Class 6.

Guardian Electric Manufacturing Co., Chicago, Ill. Electrical control equipment. 349,228, Aug. 24, 1937. Republished May 10. Class 21.

Guardian Electric Manufacturing Co., Chicago, Ill. Solenoid contactors, radio relays, electric circuit adapter plugs, etc. 400,523, Mar. 16, 1943. Republished May 10. Class 21.

Guardian Electric Manufacturing Co., Chicago, Ill. Control handles for aircraft and control wheels. 401,353, May 11, 1943. Republished May 10. Classes 19 and 21.

Guerlain Perfumery Corporation, The, New York, N. Y. Lip sticks. 509,649, May 10; Serial No. 538,538, published Nov. 23, 1948. Class 6.

Guerlain Perfumery Corporation, The, New York, N. Y. Face powder. 509,650, May 10; Serial No. 538,539, published Dec. 21, 1948. Class 6.

Guerlain Perfumery Corporation, The, New York, N. Y. Dentifrices and mouth washes. 509,651, May 10; Serial No. 538,540, published Dec. 21, 1948. Class 6.

Haas-Miller Corporation, Philadelphia, Pa. Viscous light brown, self-emulsifiable lubricating paste. 509,789, May 10; Serial No. 560,103, published Jan. 18, 1949. Class 6.

Haas-Miller Corporation, Philadelphia, Pa. Oleaginous material. 509,790, May 10; Serial No. 560,107, published Feb. 1, 1949. Class 6.

Haefeli, Max, Basel, Switzerland. Dentifrices, denture powders, dental plate securing preparations, etc. 442,669, May 10; Serial No. 516,835, published Dec. 21, 1948. Class 6.

Haefeli, Max, Basel, Switzerland. Dentifrices, denture powders, dental plate securing preparations, etc. 442,670, May 10; Serial No. 516,836, published Jan. 4, 1949. Class 6.

Haefeli, Max, Basel, Switzerland. Dentifrices, denture powders, dental plate securing preparations, etc. 442,671, May 10; Serial No. 516,838, published Jan. 4, 1949. Class 6.

Haffenreffer & Co, Inc., Boston, Mass. Ale. 439,119–20, June 1, 1948. Republished May 10. Class 48.

Hague, Alfred: *See*—
Hague, Alfred, & Company, Inc.

Hague, Alfred, & Company: *See*—
Hague, Alfred, & Company, Inc.

Hague, Alfred, & Company, Inc., New York, to A. Hague, doing business under the name and style of Alfred Hague & Company, Brooklyn, N. Y. Ready-mixed paints. 252,902, renewed Feb. 19, 1949. O. G. May 10. Class 16.

Hall, C. P., Company, The, Akron, Ohio. Wax derived from petroleum. 509,585, May 10; Serial No. 526,790, published Jan. 25, 1949. Class 6.

Halvorson Trees: *See*—
Halvorson Trees, Incorporated.

Halvorson Trees, Incorporated, assignor to Halvorson Trees, Duluth, Minn. Natural Christmas trees. 509,689, May 10; Serial No. 543,180, published Jan. 25, 1949. Class 1.

Hammond Bag and Paper Company, Wellsburg, W. Va. Paper bags. 255,783, renewed Apr. 30, 1949. O. G. May 10. Class 2.

Hammond, Benjamin F., Wichita, Kans. Cartoon. 249,400, renewed Nov. 13, 1948. O. G. May 10. Class 38.

Hanrahan, Frank C.: *See*—
Hanrahan Pharmacal Co. Inc.

Hanrahan Pharmacal Co. Inc., Portsmouth, by F. C. Hanrahan, doing business as Frank Drug Co., Arlington, Va. Compound purgative elixir. 69,809, July 7, 1908. Republished May 10. Class 6.

Hardwood Products Company, Mayville, Mich. Toothpicks. 509,673, May 10; Serial No. 540,189, published Feb. 1, 1949. Class 44.

Harmon, Arthur R., Hatfield, Pa. Row boats, motor boats, sail boats, etc. 442,683, May 10; Serial No. 523,263, published Jan. 4, 1949. Class 19.

Harris Clothing Company, Baltimore, Md. Boys' and youths' two- and three-piece suits. 259,932, renewed Aug. 13, 1949. O. G. May 10. Class 39.

Harris, Leo, doing business as Advance Theatrical Shoe Co., Chicago, Ill. Shoes. 254,493, renewed Mar. 26, 1949. O. G. May 10. Class 39.

Harry and David: *See*—
Rosenberg Brothers.

Hat Corporation of America: *See*—
Crofut & Knapp Co., The.
Dobbs & Co.
Dunlap & Co.
Hodshon-Berg, Incorporated.
Knox Hat Company, Inc.

Hat Corporation of America, Norwalk, Conn. Felt hats for men. 327,831, Sept. 3, 1935. Republished May 10. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for men. 334,163, Apr. 21, 1936. Republished May 10. Class 39.

Hat Corporation of America, Norwalk, Conn. Ladies' hats. 354,117, Feb. 1, 1938. Republished May 10. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for women. 356,260, Apr. 19, 1938. Republished May 10. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for men. 371,268, Sept. 19, 1939. Republished May 10. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for men. 403,638, Oct. 5, 1943. Republished May 10. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for women. 411,011, Jan. 2, 1945. Republished May 10. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for men. 416,240, Sept. 4, 1945. Republished May 10. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for men and hats for women. 488,475, Apr. 20, 1948. Republished May 10. Class 39.

Hearah Brothers, Los Angeles, Calif. Fresh citrus fruits. 355,782, Mar. 29, 1938. Republished May 10. Class 46.

Hearst Corporation, The: *See*—
Flash Luncheonette, Inc.
International News Service, Inc.
King Features Syndicate, Inc.
Star Company.

Hearst Magazines Inc.: *See*—
International Magazine Company.
International Magazine Company, Inc.

Helburn Leather Co., by Helburn Thompson Company, Salem, Mass. Leather. 110,596, June 6, 1916. Republished May 10. Class 1.

Helburn Thompson Company: *See*—
Helburn Leather Co.

Helwith, Alfred L., & Co., Inc., by A. L. Helwith, Inc., New York, N. Y. Men's cotton shirtings in the piece, and cotton textile fabrics. 307,963, Nov. 14, 1933. Republished May 10. Class 42.

Helwith, Alfred L., Inc.: *See*—
Helwith, Alfred L., & Co., Inc.

Hercules Powder Company: *See*—
Du Pont, E. I. de Nemours Powder Company.

Herta, E. J., Milwaukee, Wis. Dolls. 347,106, June 15, 1937. Canceled. O. G. May 10. Class 22.

Hertslich, Abraham: *See*—
Bernstein, Maurice L.

Hewes & Potter, Boston, Mass., by Globe Novelty House, Inc., New York, N. Y. Garters. 130,314, Apr. 20, 1920. Republished May 10. Classes 39 and 42.

Hewitt's Incorporated, Medicine Lodge, Kans. Tire tools. 509,501, May 10; Serial No. 530,310, published Jan. 18, 1949. Class 23.

Heywood Boot & Shoe Company, Worcester, Mass. Leather boots and shoes. 259,495, renewed July 30, 1949. O. G. May 10. Class 39.

Higgins Industries, Inc., New Orleans, La. Surf landing motor boats. 405,300, Jan. 18, 1944. Republished May 10. Class 19.

Higgins Industries, Inc., New Orleans, La. Shallow draft motor boats. 405,601, Feb. 8, 1944. Republished May 10. Class 19.

Higgins Industries, Inc., New Orleans, La. Motor boats. 420,027, Mar. 19, 1946. Republished May 10. Class 19.

Hill, Isabel T., doing business as Proxy Parents, New York, N. Y. Services of supplying part-time companions, etc. 509,901, May 10; Serial No. 539,168, published Jan. 18, 1949. Class 55.

Hillman's, Inc.: *See*—
Mewhinney, A. B., Co., Inc.

Hindu Incense Manufacturing Co., Chicago, Ill. Incense. 509,571, May 10; Serial No. 527,376, published Jan. 18, 1949. Class 6.

Hodsden-Berg, Incorporated, Norwalk, Conn., and New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Hats for women. 295,496, July 5, 1932. Republished May 10. Class 39.

Hoffman, A. H., Inc., Landisville, Pa. Plant food, bone meal, dehydrated manure, etc. 509,626, May 10; Serial No. 536,253, published Feb. 1, 1949. Class 10.

Hollingsworth & Vose Company, Boston, to Hollingsworth & Vose Company, East Walpole, Mass. Paper. 254,797, renewed May 10, 1949. O. G. May 10. Class 37.

Hollingsworth & Whitney Company, Boston, Mass. Writing paper, label stock, and converting paper. 509,627, May 10; Serial No. 536,388, published Jan. 18, 1949. Class 37.

Hollingsworth & Whitney Company, Boston, Mass. Tag and converting papers. 509,628, May 10; Serial No. 536,389, published Jan. 18, 1949. Class 37.

Hollingsworth & Whitney Company, Boston, Mass. Tag and converting papers. 509,629, May 10; Serial No. 536,393, published Jan. 18, 1949. Class 37.

Hollingsworth & Whitney Company, Boston, Mass. Wrapping, envelope, and converting paper. 509,630, May 10; Serial No. 536,394, published Jan. 18, 1949. Class 37.

Home Incinerator Company, by McNaulin, Inc., Milwaukee, Wis. Domestic garbage and refuse incinerators. 251,932, Jan. 22, 1929. Republished May 10. Class 34.

Home Incinerator Company, by McNaulin, Inc., Milwaukee, Wis. Domestic garbage and refuse incinerators. 253,806, Feb. 26, 1929. Republished May 10. Class 34.

Hook, Chas. S.: *See*—
Styles & Cash.

Houghton, E. F., & Co., Philadelphia, Pa. Compounds for processing and tanning leather. 249,256, Nov. 18, 1928. Republished May 10. Class 6.

Hudnut, Richard, New York, N. Y. Rouge and lipstick. 442,685, May 10; Serial No. 523,778, published Dec. 28, 1948. Class 6.

Hy-Pure Laboratories, Inc., Cincinnati, Ohio. Preparation for use as an expectorant. 509,754, May 10; Serial No. 551,457, published Nov. 30, 1948. Class 6.

Indian Motocycle Company, Springfield, Mass. Motorcycles and constructive parts thereof. 509,706, May 10; Serial No. 545,002, published Jan. 11, 1949. Class 19.

Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. Brooms. 165,091, Jan. 2, 1923. Corrected. O. G. May 10. Class 29.

International Harvester Company, Chicago, Ill. Tractors and parts thereof. 509,632, May 10; Serial No. 536,604, published Jan. 18, 1949. Class 23.

International Magazine Company, by Hearst Magazines Inc., New York, N. Y. Magazine or periodical. 124,102, Jan. 14, 1919. Republished May 10. Class 38.

International Magazine Company, Inc., by Hearst Magazines Inc., New York, N. Y. Magazine or periodical. 192,880, Dec. 16, 1924. Republished May 10. Class 38.

International News Service, Inc., by The Hearst Corporation, New York, N. Y. Printed news messages, printed news dispatches. 301,967, Mar. 21, 1933. Republished May 10. Class 38.

International Nickel Company, Inc., The, New York, N. Y. Age-hardenable, corrosion-resistant, high-nickel alloys. 509,776, May 10; Serial No. 555,676, published Jan. 11, 1949. Class 14.

International Paper Company, New York, N. Y. Butchers' wrapping paper. 509,547, May 10; Serial No. 506,586, published Feb. 1, 1949. Class 37.

Interstate Poultry Company, New York, N. Y. Dressed poultry. 442,668, May 10; Serial No. 515,311, published Dec. 9, 1947. Class 46.

Irons & Russell, by Irons & Russell Company, Providence, R. I. Gold plated badges. 49,860, Feb. 20, 1906. Republished May 10. Class 28.

Irons & Russell, by Irons & Russell Company, Providence, R. I. Solid gold badges. 50,328, Mar. 13, 1906. Republished May 10. Class 28.

Irons & Russell Company: *See*—
Irons & Russell.

Irons & Russell Company, Providence, R. I. Jewelry. 362,290, Nov. 15, 1938. Republished May 10. Class 28.

Irving Iron Works Company, by Irving Subway Grating Co. Inc., Long Island City, N. Y. Reenforced concrete flooring structures. 252,098-9, Jan. 22, 1929. Republished May 10. Class 12.

Irving Iron Works Company, by Irving Subway Grating Co. Inc., Long Island City, N. Y. Metal gratings. 252,100, Jan. 22, 1929. Republished May 10. Class 12.

Irving Subway Grating Co. Inc.: *See*—
Irving Iron Works Company.

Joanna Western Mills Company, Chicago, Ill. Coated and waterproofed paper. 509,633, May 10; Serial No. 536,816, published Jan. 18, 1949. Class 37.

Johnson Motor Company, to Outboard, Marine and Manufacturing Company, Waukegan, Ill. Outboard motors. 259,154, renewed July 23, 1949. O. G. May 10. Class 23.

Jones & Kavanagh Co., Ltd.,: *See*—
Stiva, Jack M.

Jostam Manufacturing Co., Peotone, Ill. Shotgun and rifle recoil pads. 509,618, May 10; Serial No. 535,044, published Dec. 14, 1948. Class 9.

Kaiser-Frazer Corporation, Willow Run, Mich. Passenger automobiles. 442,636, May 10; Serial No. 505,590, published Jan. 25, 1949. Class 19.

Karriall Company, The, Chicago, Ill. Camping and housing trailers. 442,653, May 10; Serial No. 498,059, published Jan. 25, 1949. Class 19.

Kats Drug Company, Kansas City, Mo. Deodorant, antiseptic, and germicide preparations. 356,822, May 10, 1938. Republished May 10. Class 6.

Kats Drug Company, Kansas City, Mo. Alarm clocks. 398,241, Oct. 20, 1942. Republished May 10. Class 27.

Kats Drug Company, Kansas City, Mo. Medicinal preparation. 412,406, Mar. 6, 1945. Republished May 10. Class 6.

Kats Drug Company, Kansas City, Mo. Detergent preparation. 427,062, Jan. 28, 1947. Republished May 10. Class 4.

Kennicott Bros. Company, Chicago, Ill. Cut flowers. 509,604, May 10; Serial No. 543,936, published Jan. 25, 1949. Class 1.

Keystone Varnish Company, Brooklyn, N. Y. Enamel paints. 259,497, renewed July 30, 1949. O. G. May 10. Class 16.

Killian Manufacturing Co., The, Akron, Ohio, by Walgreen Co., Chicago, Ill. Prophylactic rubber articles. 299,500, Dec. 6, 1932. Republished May 10. Class 44.

King Features Syndicate, Inc.: *See*—
Flash Luncheonette, Inc.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Newspaper section. 190,650, Oct. 21, 1924. Republished May 10. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Newspaper section. 299,381, Nov. 29, 1932. Republished May 10. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Newspaper cartoon. 322,055, Feb. 26, 1935. Republished May 10. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Newspaper columns. 322,941, Mar. 26, 1935. Republished May 10. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Newspaper cartoon. 382,073, Oct. 15, 1940. Republished May 10. Class 38.

King, John, & Son, by John King & Son Limited, Glasgow, Scotland. Window hollands. 184,880, June 3, 1924. Republished May 10. Class 42.

King, John, & Son, by John King & Son Limited, Glasgow, Scotland. Hollands. 199,639, June 16, 1925. Republished May 10. Class 42.

King, John, & Son Limited: *See*—
King, John, & Son.

Klensoid Corporation, The, Philadelphia, Pa. Chemical preparation. 509,625, May 10; Serial No. 536,097, published Dec. 7, 1948. Class 6.

Knopf, Alfred A., Inc., New York, N. Y. Completely printed books. 177,307, Dec. 18, 1928. Republished May 10. Class 38.

Knox Hat Company, Inc., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Canes, parasols, and umbrellas. 123,909, Dec. 17, 1918. Republished May 10. Class 41.

Knox Hat Company, Inc., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Hats for men. 125,458, May 20, 1919. Republished May 10. Class 39.

Knox Hat Company, Inc., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Handkerchiefs and veils. 271,211, May 27, 1930. Republished May 10. Class 39.

Knox Hat Company, Inc., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Handkerchiefs and veils. 271,245, May 27, 1930. Republished May 10. Classes 39 and 42.

Koenig, Harry D., doing business as Aire, New York, N. Y. Face and hand cream. 442,681, May 10; Serial No. 521,076, published Jan. 4, 1949. Class 6.

Keller & Smith Co., Inc., New York, N. Y. Filing supplies. 442,679, May 10; Serial No. 520,631, published Jan. 4, 1949. Class 37.

Kono, Alexander, doing business as The Kono Manufacturing Company, New York, N. Y., by The Kono Manufacturing Company, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. 372,939, Nov. 21, 1939. Republished May 10. Class 26.

Kono, Alexander, doing business as Kono Manufacturing Company, Woodside, Long Island, N. Y., assignor to The Kono Manufacturing Company, by The Kono Manufacturing Company, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. 411,523, Jan. 23, 1945. Republished May 10. Class 26.

Kono Manufacturing Company: *See*—
Kono, Alexander.

Kono Manufacturing Company, The: *See*—
Kono, Alexander.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. 409,185, Sept. 19, 1944. Republished May 10. Class 26.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. 414,225, June 5, 1945. Republished May 10. Class 26.

Kono Manufacturing Company, The, Woodside, N. Y. Sunglasses and parts therefor. 416,919, Oct. 2, 1945. Republished May 10. Class 26.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. 428,186, Mar. 11, 1947. Republished May 10. Class 26.

Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. 428,529, Mar. 25, 1947. Republished May 10. Class 26.

Kramer, J. F., Manufacturing Company, Los Angeles, Calif. Pencil sharpening machines and replaceable cutters. 509,620, May 10; Serial No. 535,329, published Jan. 18, 1949. Class 23.

Kress, S. H., and Company, New York, N. Y. Tablets, papetries, and correspondence envelopes. 509,683, May 10; Serial No. 542,412, published Feb. 1, 1949. Class 37.

Krueger Sentry Gauge Co.: *See*—
Krueger, Winfred S.

Krueger Sentry Gauge Company, Inc.: *See*—
Krueger, Winfred S.

Krueger, Winfred S., doing business as Krueger Sentry Gauge Co., by Krueger Sentry Gauge Company, Inc., Green Bay, Wis. Liquid level gauges. 437,989, Apr. 6, 1948. Republished May 10. Class 26.

Kuehne Brothers: *See*—
Kuehne, Otto, Preserving Co., The.

Kuehne, Otto, Preserving Co., The, by Kuehne Brothers, Topeka, Kans. Catsup, vinegar, preserves, etc. 30,401, July 20, 1897. Republished May 10. Class 46.

Kuoni, Werner P., Long Island City, N. Y. Baby carriages, baby strollers. 509,730, May 10; Serial No. 547,756, published Jan. 4, 1949. Class 19.

Lac Chemicals, Inc.: *See*—
Pacific Distillers, Inc.

Lamm Bros.: *See*—
Lamm, Jacob C.

Lamm Bros., Inc.: *See*—
Lamm, Jacob C.

Lamm, Jacob C., doing business as Lamm Bros., by Lamm Bros. Inc., Baltimore, Md. Suitings. 297,781, Sept. 27, 1932. Republished May 10. Class 42.

Landstrom, Ivan E., doing business as Black Hills Jewelry Co., Rapid City, S. Dak. Finger rings, brooches, etc. 426,039, Mar. 4, 1947. Canceled. O. G. May 10. Class 28.

Lane Publishing Co.: *See*—
Sunset Magazine, Inc.

Lange, William L., New York, N. Y., by The Fred. Gretsch Manufacturing Co., Brooklyn, N. Y. Banjos, banjo ukuleles, banjo mandolins, etc. 243,852, July 3, 1928. Republished May 10. Class 36.

Lawrence, George A., New York, N. Y. Face powder and powder bases. 509,740, May 10; Serial No. 550,156, published Dec. 21, 1948. Class 6.

Lawyers Co-operative Publishing Company, The, Rochester, N. Y. Series of New York law digests and quarterly supplements. 246,807, renewed Aug. 21, 1948. O. G. May 10. Class 36.

Leecas, Alexander M., Jersey City, N. J. Laxatives. 509,788, May 10; Serial No. 560,028, published Jan. 18, 1949. Class 6.

Lee, Martha, Inc.: *See*—
Artesia Cream Company, The.

Leonardi, S. B., & Co. Inc., New Rochelle, N. Y. Preparations for the treatment of disease peculiar to women. 509,761, May 10; Serial No. 553,496, published Jan. 11, 1949. Class 6.

Les Parfums Norante, Societe A Responsabilite Limitee, Melun, France. Perfumes, toilet waters, rouge, etc. 509,581, May 10; Serial No. 528,494, published Jan. 25, 1949. Class 6.

Levin, Alexander N., Chattanooga, Tenn. Garden and field seeds. 509,540, May 10; Serial No. 493,970, published Feb. 1, 1949. Class 1.

Lichtman, J., & Sons, Newark, N. J. Leather. 509,696, May 10; Serial No. 544,095, published Jan. 25, 1949. Class 1.

Lincoln Electric Company, The, Cleveland, Ohio. Welding wire and metallic welding electrodes. 509,777, May 10; Serial No. 557,050, published Jan. 18, 1949. Class 14.

Liquid Veneer Corporation, Buffalo, N. Y. Cleaning and polishing liquid. 268,984, Nov. 12, 1929. Republished May 10. Class 16.

Liquid Veneer Corporation, Buffalo, N. Y. Polish. 307,543, Oct. 31, 1933. Republished May 10. Class 16.

Locatelli, Ercole H., doing business as Mattia Locatelli, to Locatelli, Inc., New York, N. Y. Cheese. 258,164, renewed Apr. 16, 1949. O. G. May 10. Class 46.

Locatelli, Inc.: *See*—
Locatelli, Ercole H.

Locatelli, Mattia: *See*—
Locatelli, Ercole H.

Locto Company: *See*—
Northwestern Bluegas Company.

Longdon, F., & Company Limited, Derby, England. Hernia trusses: elastic hosiery; abdominal belts, etc. 442,649, May 10; Serial No. 402,326, published Feb. 1, 1949. Class 44.

Lorie: *See*—
Rexall Drug Company.

Lowe, Joe, Corporation, New York, N. Y. Variegated ice cream and flavoring materials. 509,549, May 10; Serial No. 508,160, published Jan. 18, 1949. Class 46.

Lowe Seed Company, Aroma Park, Ill. Hybrid seed corn. 509,555, May 10; Serial No. 516,519, published Feb. 1, 1949. Class 1.

Mackie-Lovejoy Mfg. Co., Chicago, Ill. Garment hangers. 509,597, May 10; Serial No. 531,498, published Jan. 25, 1949. Class 50.

Madeleine Laboratories, Inc., Wilmington, Del. Skin ointment. 509,703, May 10; Serial No. 544,652, published Feb. 1, 1949. Class 6.

Maffey, Michael A., doing business as The Mara Laboratories, East Newark, N. J. Medicinal preparations. 509,738, May 10; Serial No. 549,740, published Jan. 18, 1949. Class 6.

Mahn, Godfrey S., to Philip Morris & Co. Ltd., Incorporated, New York, N. Y. Smoking tobacco. 71,941, renewed Dec. 22, 1948. O. G. May 10. Class 17.

Majestic Paper Corporation, New York, N. Y. Typewriting paper, printing paper, and envelopes. 509,677, May 10; Serial No. 540,689, published Jan. 11, 1949. Class 37.

Maltine Company, The, New York, N. Y. Ovarian extract. 509,728-9, May 10; Serial Nos. 547,641-2, published Nov. 23, 1948. Class 6.

Manner, Josef, & Comp. A. G., Vienna, Austria. Candies, chocolates, pastries, etc. 202,485, renewed Aug. 25, 1945. O. G. May 10. Class 46.

Manufacture de Caoutchouc Michelin (Puiseux Boulanger et Cie), Clermont-Ferrand (Puy de-Dome), France. Pneumatic tires and air tubes. 509,781, May 10; Serial No. 558,799, published Feb. 1, 1949. Class 35.

Manufacture des Montres Niton S. A., Geneva, Switzerland. Watches and parts thereof. 253,664, renewed Mar. 5, 1940. O. G. May 10. Class 27.

Mara Laboratories, The: *See*—
Maffey, Michael A.

Marathon Corporation, Rothschild, Wis. Liquin reinforced rubber. 509,653, May 10; Serial No. 538,647, published Jan. 25, 1949. Class 1.

Markem Machine Company, Keene, N. H. Ink rolls. 509,763, May 10; Serial No. 553,967, published Jan. 18, 1949. Class 11.

Martinez Laboratories: *See*—
Martinez, Ralph E.

Martinez, Ralph E., doing business as Martinez Laboratories, Oxnard, Calif. Salve. 509,553, May 10; Serial No. 513,626, published Jan. 25, 1949. Class 6.

Master Metal Products, Inc., Buffalo, N. Y. Paper bags. 250,413, Dec. 11, 1928. Republished May 10. Class 2.

McLellan, E. W., Co., by E. W. McLellan Co., San Francisco, Calif. Natural flowers. 395,602, June 2, 1942. Republished May 10. Class 1.

McNaulin, Inc.: *See*—
Home Incinerator Company.

McPhillips Packing Corporation: *See*—
Dunbar-Dukate Company, Inc.

McQuade, John, & Co., Inc., New York, N. Y. Plastic paints. 420,603, Apr. 23, 1940. Republished May 10. Class 16.

Mead Johnson & Company, Evansville, Ind. Specially prepared milk modifier and dietetic product. 509,556-7, May 10; Serial Nos. 516,613-14, published Jan. 18, 1949. Class 6.

Mead Johnson & Company, Evansville, Ind. Hypo-allergenic product. 509,558, May 10; Serial No. 516,937, published Dec. 7, 1948. Class 6.

Merrick Medicine Co., Waco, Tex. Remedy for diarrhea, indigestion, cholera infantum, etc. 74,540, re-renewed July 20, 1949. O. G. May 10. Class 6.

Mewhinney, A. B., Co. Inc., doing business as Mewhinney's, Terre Haute, Ind., by Hillman's, Inc., Chicago, Ill. Candy. 246,247, Sept. 4, 1928. Republished May 10. Class 46.

Mewhinney's: *See*—
Mewhinney, A. B., Co. Inc.

Midland Coal Corporation, The: *See*—
Midland Coal Sales Company.

Midland Coal Sales Company, by The Midland Coal Corporation, Cincinnati, Ohio. Coal. 250,207–8, Dec. 4, 1928. Republished May 10. Class 1.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape. 509,682, May 10; Serial No. 542,401, published Jan. 11, 1949. Class 5.

Middleburg Tanning Corporation, Philadelphia, and Middleburg, Pa. Sole leather. 442,682, May 10; Serial No. 521,919, published Feb. 1, 1949. Class 1.

Mierson, Augustus, San Francisco, Calif. Sanitary napkin disposal cans, disposal cans, wastepaper baskets, etc. 435,448, Dec. 30, 1947. Republished May 10. Class 2.

Minneapolis-Honeywell Regulator Company, Wabash, Ind., and Minneapolis, Minn., to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Device to limit the temperature of the air in the casing of a warm-air furnace. 250,607. Renewed Dec. 11, 1948, O. G. May 10. Classes 26 and 34.

Minneapolis-Moline Company: *See*—
Minneapolis-Moline Power Implement Company.

Minneapolis-Moline Power Implement Company, Minneapolis-Moline Power Implement Company, Minneapolis, now by merger, Minneapolis-Moline Company, Hopkins, Minn. Hay balers. 509,561, May 10; Serial No. 518,773, published Feb. 1, 1949. Class 23.

Misdom-Frank Corporation, New York, N. Y. Surgical and dental instruments and supplies. 442,678, May 10; Serial No. 520,409, published Jan. 18, 1949. Class 44.

Models & Patents Corporation, New York, N. Y. Portable, mechanically operated fire alarms. 442,680, May 10; Serial No. 524,555, published Jan. 18, 1949. Class 23.

Moffett, C. J., Medicine Company, Columbus, Ga. Laxative. 509,727, May 10; Serial No. 547,474, published Jan. 25, 1949. Class 6.

Molinard: *See*—
Benard & Honnorat.

Monarch Leather Company, Chicago, Ill. Leather. 509,535, May 10; Serial No. 478,136, published Jan. 25, 1949. Class 3.

Monsanto Chemical Company, Seattle, Wash. Sizing for paper and textiles. 509,731, May 10; Serial No. 547,863, published Jan. 4, 1949. Class 6.

Montgomery, Wm., Company, Philadelphia, Pa. Ammonia and bleach. 509,606, May 10; Serial No. 533,040, published Jan. 4, 1949. Class 6.

Moog Industries, Inc., St. Louis, Mo. Piston rings. 509,594, May 10; Serial No. 531,046, published Feb. 1, 1949. Class 35.

Morrell, John, & Co., Ottumwa, Iowa. Meat products. 113,777, Oct. 31, 1916. Republished May 10. Class 46.

Morrell, John, & Co., Ottumwa, Iowa. Hams, shoulders, boneless butts, etc. 241,193, Apr. 17, 1928. Republished May 10. Class 46.

Morris, Philip & Co. Ltd., Incorporated: *See*—
Main, Godfrey S.

Mosher, L. A., Company, Atlanta, Ga. Veterinary preparations in tablet, liquid, and powdered form. 509,638, May 10; Serial No. 537,217, published Jan. 18, 1949. Class 6.

Mother Hubbard Distributors, Inc., New York, N. Y. Baked products. 442,655, May 10; Serial No. 501,758, published Jan. 25, 1949. Class 46.

Mounties, Inc., Boston, Mass. Gummed cloth photo hinges. 509,641, May 10; Serial No. 537,607, published Jan. 11, 1949. Class 37.

Multicore Solders Limited, London, England. Soldering metals. 509,539, May 10; Serial No. 493,207, published Feb. 1, 1949. Class 14.

Mutual Orange Distributors: *See*—
Citrus Products, Inc.

Myers, Anna, Pure Food Inc., Newark, by Anna Myers Pure Foods, Inc., Garfield, N. J. Mayonnaise, relish spread, pickled beets, etc. 273,519, Aug. 5, 1930. Republished May 10. Class 46.

Myers, Anna, Pure Food Inc., Newark, by Anna Myers Pure Foods, Inc., Garfield, N. J. Preserved pickles. 264,865, July 7, 1931. Republished May 10. Class 46.

Myers, Anna, Pure Foods, Inc.: *See*—
Myers, Anna, Pure Food Inc.

Nachman Corporation: *See*—
Nachman Spring-Filled Corporation.

Nachman Spring-Filled Corporation, by Nachman Corporation, Chicago, Ill. Spring assemblies for upholstery and upholstery units. 367,838, May 30, 1939. Republished May 10. Class 32.

Nachman Spring-Filled Corporation, by Nachman Corporation, Chicago, Ill. Spring units. 378,164, May 28, 1940. Republished May 10. Class 32.

Nachman Spring-Filled Corporation, now by change of name Nachman Corporation, by Nachman Corporation, Chicago, Ill. Spring units and supports. 409,785, Oct. 24, 1944. Republished May 10. Class 32.

Nashua Gummed and Coated Paper Company, Nashua, N. H. Adhesively coated cloth, adhesively coated cloth and paper laminated, adhesively coated paper, etc. 509,680, May 10; Serial No. 538,948, published Jan. 18, 1949. Class 5.

National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Dyestuffs. 144,872–3, July 19, 1921. Republished May 10. Class 6.

National Automotive Parts Association, Detroit, Mich. Automotive gears, automotive axle shafts, automotive transmissions, etc. 389,980, Sept. 2, 1941. Republished May 10. Class 23.

National Automotive Parts Association, Detroit, Mich. Brake lining, clutch facing, pump packing, etc. 390,101, Sept. 9, 1941. Republished May 10. Class 35.

National Blank Book Company, Riverside, Holyoke, Mass. Loose leaf binders. 509,710, May 10; Serial No. 546,013, published Jan. 4, 1949. Class 37.

National Equipment Co., Inc., Indianapolis, Ind. Preparation to be applied to soil to bring earthworms to the surface. 442,675, May 10; Serial No. 518,774, published Feb. 1, 1949. Class 6.

National Food Brokers Association, Washington, D. C. Brokerage of food and grocery products. 509,805, May 10; Serial No. 537,717, published Jan. 11, 1949. Class 55.

National Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. 509,537, May 10; Serial No. 488,656, published Jan. 11, 1949. Class 39.

Neenah Paper Company, Neenah, Wis. Bond, ledger, writing, map, etc., paper, bozed stationery, tablets, etc. 509,690, May 10; Serial No. 543,316, published Jan. 11, 1949. Class 37.

Neustadter Brothers by Eloesser-Heynemann Company, San Francisco, Calif. Overalls. 251,527, Jan. 8, 1929. Republished May 10. Class 39.

New England Fish Company, Seattle, Wash. Canned fish. 442,652, May 10; Serial No. 498,538, published Jan. 25, 1949. Class 46.

New Jersey Zinc Company, The, New York, N. Y. Zinc oxide. 509,771, May 10; Serial No. 554,690, published Jan. 18, 1949. Class 6.

New Orleans Grain & Feed Company, Inc., New Orleans, La. Brewers' grain. 320,464, Jan. 1, 1935. Republished May 10. Class 1.

Newport Industries, Inc., Pensacola, Fla. Rosin. 509,695, May 10; Serial No. 543,979, published Jan. 25, 1949. Class 1.

Newport Manufacturing Company, Carrollville, Wis., by E. I. du Pont de Nemours and Company, Wilmington, Del. Decahydronaphthalene. 251,301, Jan. 1, 1929. Republished May 10. Class 6.

New York Rubber Corporation, New York, N. Y. Inflatable boats and inflatable floats. 442,690–1, May 10; Serial No. 524,714–15, published Jan. 4, 1949. Class 19.

Noreross, Inc., New York, N. Y. Greeting cards and printed greeting folders. 442,686, May 10; Serial No. 523,852, published Jan. 18, 1949. Class 38.

North & Judd Manufacturing Company, New Britain, Conn. Catches, upholstery nails, and clips, etc. 242,829–30, June 5, 1928. Republished May 10. Class 13.

North & Judd Manufacturing Company, New Britain, Conn. Accessories for harness and saddlery. 243,105, June 12, 1928. Republished May 10. Class 3.

North & Judd Manufacturing Company, New Britain, Conn. D rings. 243,106, June 12, 1928. Republished May 10. Class 3.

North & Judd Manufacturing Company, New Britain, Conn. Harness rings. 243,107, June 12, 1928. Republished May 10. Class 3.

North & Judd Manufacturing Company, New Britain, Conn. Bits, spurs, spur rowels, etc. 240,030, Aug. 28, 1928. Republished May 10. Class 3.

North American Electric Lamp Company, St. Louis, Mo. Electric lamps. 368,723, June 27, 1939. Republished May 10. Class 21.

North American Knitting Company, Mansfield, Ohio. Men's, women's and boys' sweaters. 437,658, Mar. 30, 1948. Republished May 10. Class 39.

Northwestern Blaugas Company, by Locto Company, St. Paul, Minn. Synthetic resins. 322,899, Mar. 26, 1935. Republished May 10. Class 1.

Northwestern Blaugas Company, by Locto Company, St. Paul, Minn. Liquefied petroleum gases and tanks filled with such gas. 329,309, Oct. 22, 1935. Republished May 10. Class 6.

Nu-Enamel Corporation, by Nu-Enamel Corporation, Chicago, Ill. Top dressing, sand paper, and chemically treated rags for cleaning surfaces. 322,974, Mar. 26, 1935. Republished May 10. Class 4.

Nu-Enamel Corporation, by Nu-Enamel Corporation, Chicago, Ill. Automobile, furuiture and metal enamels and varnishes. 323,079, Apr. 2, 1935. Republished May 10. Class 16.

Nu-Enamel Corporation, by Nu-Enamel Corporation, Chicago, Ill. Top dressing, sand paper, and for chemically treated rags for cleaning surfaces. 323,800, Apr. 30, 1935. Republished May 10. Class 4.

Nu-Paint Products Company: *See*—
Barkan, Israel.

Ogden Publishing Company: *See*—
Glass Industry Publishing Co., Inc.
Ogden-Watney Publishers, Inc.

Ogden-Watney Publishers, Inc., by Ogden Publishing Company, New York, N. Y. Monthly publication. 282,241, Mar. 8, 1932. Republished May 10. Class 38.

Ogden-Watney Publishers, Inc., by Ogden Publishing Company, New York, N. Y. Section in a monthly periodical. 354,302–3, Feb. 8, 1938. Republished May 10. Class 38.

Ohio Match Company, The, Warsworth, Ohio. Matches. 509,704–5, May 10; Serial Nos. 544,667–8, published Jan. 11, 1949. Class 9.

Ohio Truss Company, The, Cincinnati, Ohio, now by change of name Surgical Appliance Industries, Inc. Trusses. 509,563, May 10; Serial No. 520,891, published Jan. 18, 1949. Class 44.

Old Home Creameries, Incorporated, Minneapolis, Minn. Creamed cottage cheese. 256,411, renewed May 14, 1949. O. G. May 10. Class 46.

Old 97 Company, Tampa, Fla. Liniment. 509,748, May 10; Serial No. 551,041, published Jan. 11, 1949. Class 6.

Olsen & Ebann by Olsen and Ebann Jewelry Co., Chicago, Ill. Open-face and hunting-case wrist watches and pocket watches. 187,774, Aug. 12, 1924. Republished May 10. Class 27.

Olsen and Ebann Jewelry Co.: *See*—
Olsen & Ebann.

Optimus Pharmaceuticals Co., Inc., Taylors, S. C. Vaginal hygiene powder. 509,762, May 10; Serial No. 553,895, published Jan. 18, 1949. Class 6.

Orange Belt Fruit Distributors, Pomona, Calif. Fresh citrus fruits. 437,268, Mar. 9, 1948. Republished May 10. Class 46.

Orefraction Incorporated, Pittsburgh, Pa. Mineral chemicals. 442,693, May 10; Serial No. 525,017, published Jan. 18, 1949. Class 6.

Oriental Show-You Company, Inc., Columbia City, Ind. Canned chop suey, canned chow mein noodles, canned bean sprouts, etc. 278,215, Dec. 9, 1930. Republished May 10. Class 46.

Oriental Show-You Company, Inc., Columbia City, Ind. Canned foods. 280,677, Dec. 1, 1931. Republished May 10. Class 46.

Outboard, Marine and Manufacturing Company: *See*—
Johnson Motor Company.

Outdoor Life Publishing Company, The, Denver, Colo. Title of a periodical. 258,863, July 16, 1929. Amended. O. G. May 10. Class 38.

Pacific Distillers, Inc., by Lac Chemicals, Inc., Culver City, Calif. Solvent used for thinning purposes. 364,086, Feb. 1, 1938. Republished May 10. Class 16.

Pacific Mail Steamship Company, San Francisco, Calif. Water transportation of cargo and passengers. 509,797, May 10; Serial No. 527,392, published Jan. 25, 1949. Class 55.

Pacific Marine Supply Company, Seattle, Wash. Forest-fire pumps. 234,938, Nov. 8, 1927. Republished May 10. Class 23.

Palm, Arnold, doing business as Palm Pharmacal Co., New York, N. Y. Pharmaceutical preparations. 509,760, May 10; Serial No. 554,147, published Jan. 18, 1949. Class 6.

Palm Pharmacal Co.: *See*—
Palm, Arnold.

Panama Lubricants Company, by The Pennzoil Company, Los Angeles, Calif. Mineral greases. 151,203, Jan. 24, 1922. Republished May 10. Class 15.

Pan-American Wall Paper & Paint Company, Chicago, Ill. Wall paper. 509,536, May 10; Serial No. 481,902, published Jan. 11, 1949. Class 37.

Parke, Davis & Company, Detroit, Mich. Anti-biotic preparation. 509,735, May 10; Serial No. 549,167, published July 20, 1948. Class 6.

Parke, Davis & Company, Detroit, Mich. Chemotherapeutic agent. 509,747, May 10; Serial No. 550,939, published Jan. 11, 1949. Class 6.

Parmelee, A. F., doing business as United States Safety Service Company, Kansas City, Mo. Transparent and translucent plastic material. 509,544, May 10; Serial No. 496,447, published Feb. 1, 1949. Class 1.

Parrott & Co.: *See*—
Superior Fisheries, Inc.

Parrott & Co., San Francisco, Calif. Canned fruits and canned vegetables. 509,542, May 10; Serial No. 497,193, published Jan. 18, 1949. Class 46.

Parrott & Co., San Francisco, Calif. Canned fruits, canned vegetables and canned fish. 509,543, May 10; Serial No. 497,195, published Jan. 18, 1949. Class 46.

Patek Brothers, Inc., Milwaukee, Wis. Ready-mixed paint. 258,655, renewed July 9, 1949. O. G. May 10. Class 16.

Patterson Manufacturing Company, Denison, Tex., by Patterson Manufacturing Company, Miami, Okla. Overalls, jumpers, play suits, and men's and children's coats. 313,576, June 12, 1934. Republished May 10. Class 39.

Patterson Manufacturing Company, Denison, Tex., by Patterson Manufacturing Company, Miami, Okla. Overalls, jumpers, pants, play suits, and men's and boys' coats. 319,306, Nov. 20, 1934. Republished May 10, Class 39.

Pennsoil Company, The: *See*—
Panama Lubricants Company.

Perfect Circle Corporation, Hagerstown, Ind. Piston rings. 509,642, May 10; Serial No. 537,615, published Feb. 1, 1949. Class 35.

Perfection Gear Company, Harvey, Ill. Ring gears and pinions, pressure plates, timing chains etc. 509,607, May 10; Serial No. 533,047, published Feb. 1, 1949. Class 23.

Peter Pan Gum Corp., Brooklyn, N. Y. Bubble chewing gum. 439,884, July 27, 1948. Canceled. O. G. May 10. Class 46.

Peterson, Bernhard, doing business as Berlou Manufacturing Company, Marion, Ohio. Moth-proofing composition. 414,481, June 12, 1945. Republished May 10. Class 6.

Pfeiff Bros., Brooklyn, N. Y. Leather belting. 509,648, May 10; Serial No. 538,445, published Feb. 1, 1949. Class 35.

Pharma-Craft Corporation, The: *See*—
Charles of the Rits, Inc.

Philadelphia Quarts Company, Philadelphia, Pa. Silicate of soda. 509,700–1, May 10; Serial Nos. 544,502–3, published Jan. 11, 1949. Class 6.

Philadelphia Soda Fountain Supply: *See*—
Forman, John A.

Philcraft Overcoat Company, Minneapolis, Minn. Men's and women's overcoats. 438,819, May 11, 1948. Republished May 10. Class 39.

Pierce, S. S., Co., Boston, Mass. Cigars and smoking tobacco. 257,032, renewed May 28, 1949. O. G. May 10. Class 17.

Pierschalski, Walter, doing business as Greenbrook Chemical Co., Manville, N. J. Ointment preparations. 509,791, May 10; Serial No. 560,216, published Feb. 1, 1949. Class 6.

Pilgrim Laundry, Inc., The, Brooklyn, N. Y. Laundry, dry-cleaning, shirt repairs, etc. 509,798–9, May 10; Serial Nos. 529,690–1, published Nov. 16, 1948. Class 55.

Pittsburgh Plate Glass Company: *See*—
Pittsburgh Safety Glass Company.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Plate glass. 247,212, Sept. 25, 1928. Republished May 10. Class 33.

Pittsburgh Safety Glass Company, by Pittsburgh Plate Glass Company, Pittsburgh, Pa. Laminated sheet glass. 244,656, July 24, 1928. Republished May 10. Class 33.

Planters Nut & Chocolate Company, Suffolk, Va., to Planters Nut & Chocolate Company, Wilkes-Barre, Pa. Peanut butter and a peanut confection. 259,115, renewed July 23, 1949. O. G. May 10. Class 46.

Pluto Corporation, French Lick, Ind. Mineral waters, effervescent crystals, and laxative pills. 509,717, May 10; Serial No. 546,728, published Jan. 25, 1949. Class 6.

Pollak Manufacturing Company, Arlington, N. J., assignor to Arma Corporation, by Arma Corporation, Brooklyn, N. Y. Electronic limit comparator gauge. 435,854, Jan. 13, 1948. Republished May 10. Class 26.

Powell & Campbell, Inc., New York, N. Y. Leather shoes. 438,911, May 18, 1948. Republished May 10. Class 39.

Practical Products Company, Minneapolis, Minn. Liquid petroleous solvents. 436,036, Jan. 20, 1948. Republished May 10. Class 4.

Practical Products Company, Minneapolis, Minn. Apparatus for washing mechanical parts. 438,776, May 11, 1948. Republished May 10. Class 23.

Preston, Horace G., Company, Detroit, Mich. Leather packings. 509,652, May 10; Serial No. 538,560, published Feb. 1, 1949. Class 35.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. 438,324, Apr. 13, 1948, republished May 10. Class 4

Proxy Parents: *See*—
Hill, Isabel T.

Quality Park Envelope Company, St. Paul Minn. Mailing envelopes. 509,737, May 10; Serial No. 549,334, published Jan. 4, 1949. Class 37.

Radio Corporation of America, New York, N. Y. Global radiotelegraph communication service, commercial radiophoto service, program transmission service, etc. 509,803, May 10; Serial No. 548,525, published Jan. 19, 1949. Class 55.

Radio Corporation of America, New York, N. Y. Global radio-telegraph communication service. 509,804, May 10; Serial No. 548,526, published Jan. 18, 1949. Class 55.

Radiotone, Inc., Hollywood, Calif. Phonograph records. 439,484, June 29, 1948. Canceled. O. G. May 10. Class 36.

Ralphs-Pugh Company, Inc., San Francisco, Calif. Machines, parts for such machines, collapsible cores, etc. 509,599, May 10; Serial No. 531,717, published Feb. 1, 1949. Class 23.

Ramires & Feraud Chili Co., Ventura, Calif. Canned spanish red chili sauce and canned beans with chili sance. 379,295, July 9, 1940, republished May 10. Class 46.

Rancho Seepe, Seepe, by Keith Spalding, trustee under the will of Eudora Hull Spalding, deceased, Pasadena, Calif. Citrus fruits. 179,702, Feb. 12, 1924, republished May 10. Class 46.

Rancho Seepe, Fillmore, by Keith Spalding, Trustee under the will of Eudora Hull Spalding, deceased, Pasadena, Calif. Fresh citrus fruits. 350,674, Oct. 5, 1937, republished May 10. Class 46.

Raybestos-Manhattan, Inc., Passaic, N. J. Packing rings. 509,609, May 10; Serial No. 533,386, published Feb. 1, 1949. Class 35.

Raybestos-Manhattan, Inc., Passaic, N. J. Packing rings. 509,610, May 10; Serial No. 533,388, published Feb. 1, 1949. Class 35.

Rector Trading Corporation, New York, N. Y. Hoes, shovels and axes. 509,660, May 10; Serial No. 539,211, published Jan. 25, 1949. Class 23.

Red Devil Tools: *See*—
Smith, Landon P., Inc.

Red Spot Paint & Varnish Co., Evansville, Ind. Fabric dyes and glass frosting. 249,109, Nov. 6, 1928, republished May 10. Class 6.

Red Spot Paint & Varnish Co., Evansville, Ind. Dry and ready-mixed paints, fillers for wood, paint and varnish remover, etc. 249,840, Nov. 20, 1928, republished May 10. Classes 12 and 16.

Red Spot Paint & Varnish Co., Evansville, Ind. Varnish. 323,072, Apr. 2, 1936, republished May 10. Class 16.

Red Spot Paint & Varnish Co. Inc., Evansville, Ind. Ready-mixed asphalt paint. 249,975, Nov. 27, 1928, republished May 10. Class 16.

Red Spot Paint & Varnish Co., Inc., Evansville, Ind. Flat wall paint, four-hour enamel, automobile enamel, etc. 312,099, Apr. 17, 1934, republished May 10. Classes 12 and 16.

Reed & Carnrick, Jersey City, N. J. Medicinal preparations. 259,547, renewed July 30, 1949. O. G. May 10. Class 6.

Register and Tribune Company, The, Des Moines, Iowa. Newspaper and magazine feature or column. 509,666, May 10; Serial No. 539,758, published Jan. 25, 1949. Class 38.

Reichhold Chemicals, Inc., Detroit, Mich. Pigments for use in coloring inks. 509,772, May 10; Serial No. 534,705, published Jan. 18, 1949. Class 11.

Reliance Coal and Coke Co., The, Cincinnati, Ohio. Coal. 509,715, May 10; Serial No. 546,607, published Feb. 1, 1949. Class 1.

Reliance Trailer & Truck Co. Inc., San Francisco, Calif. Trailers. 140,527, Mar. 15, 1921, republished May 10. Class 19.

Revlon Products Corporation, New York, N. Y. Nail enamel, lipstick, and face powder. 442,643, May 10; Serial No. 463,980, published Dec. 19, 1944. Class 6.

Rexall Drug Company, doing business as Lorie, Los Angeles, Calif. Cosmetics. 509,744, May 10; Serial No. 550,260, published Dec. 28, 1948. Class 6.

Reynolds Manufacturing Company, The, Holyoke, Mass. Writing, ledger, bond manifold and duplicating papers, etc. 509,593, May 10; Serial No. 530,959, published Jan. 11, 1949. Class 37.

Rhode Island Laboratories, Inc., West Warwick, R. I. Cosmetics. 509,634, May 10; Serial No. 536,836, published Jan. 18, 1949. Class 6.

Riehl Galley Lock Company, The, Cleveland, Ohio. Printers' type, galley locks, and type tie-ups. 509,548, May 10; Serial No. 507,077, published Feb. 1, 1949. Class 14.

Robinson Manufacturing Company: *See*—
Elizabeth City Hosiery Co.

Robinson-Wagner Co. Inc., New York, N. Y. Cholesterol-lanosterol. 509,792, May 10; Serial No. 560,293, published Feb. 1, 1949. Class 6.

Rochester Paper Company, Rochester, Mich. Blotting paper. 509,566, May 10; Serial No. 521,288, published Jan. 18, 1949. Class 37.

Rodrigues, Joaquim, Los Angeles, Calif. Hair tonic. 509,611, May 10; Serial No. 533,677, published Dec. 28, 1948. Class 6.

Rosenberg Brothers, by Harry and David, Medford, Oreg. Fresh pears. 843,706, Mar. 2, 1937, republished May 10. Class 46.

Rowney, George, & Company: *See*—
Rowney, George, & Co.

Rowney, George, & Co., by George Rowney & Company Limited, London, England. Artists' colors and artists' varnishes. 80,495, Dec. 27, 1910, republished May 10. Class 16.

Rowney, George, & Co., by George Rowney & Company Limited, London, England. Tracing paper, tracing-cloth, lead pencils, etc. 80,954, Feb. 14, 1911, republished May 10. Class 37.

Rowney, George, & Company Limited: *See*—
Rowney, George, & Co.

Roycemore Toiletries, Inc., Chicago, Ill. Combined douche and enema applicator. 509,764, May 10; Serial No. 553,986, published Jan. 25, 1949. Class 44.

Rubel Baking Company, The, Cincinnati, Ohio. Rye bread. 442,684, May 10; Serial No. 523,544, published Jan. 25, 1949. Class 46.

Rubel, John, doing business as John Rubel Co., New York, N. Y. Deodorants. 442,661, May 10; Serial No. 510,619, published Jan. 11, 1949. Class 6.

Rubel, John, Co.: *See*—
Rubel, John.

Rudd-Melikian, Inc., Philadelphia, Pa. Beverage vending machines. 509,559, May 10; Serial No. 517,108, published Jan. 18, 1949. Class 23.

Rushmore Paper Mills Inc., Gouverneur, N. Y. Paper. 310,733, Mar. 6, 1934, republished May 10. Class 37.

Sackrete, Inc., Cincinnati, Ohio. Sacks of concrete. 373,104, Nov. 28, 1939, republished May 10. Class 12.

Sage, Peggy, Inc., Stamford, Conn. Nail enamel, nail polish, nail paste, etc. 509,640, May 10; Serial No. 537,510, published Jan. 11, 1949. Class 6.

Saginaw Manufacturing Co., Saginaw, Mich. Folding iron-ing tables. 258,765, renewed Apr. 30, 1949. O. G. May 10. Class 24.

San Fernando Lemon Association, San Fernando, Calif. Fresh citrus fruits. 509,699. May 10; Serial No. 544,466, published Jan. 18, 1949. Class 46.

San-Nap-Pak Manufacturing Co., Inc., New York, N. Y. Cleansing tissues. 509,697, May 10; Serial No. 544,201, published Jan. 4, 1949. Class 37.

San-Nap-Pak Manufacturing Co., Inc., New York, N. Y. Bathroom tissues. 509,698, May 10; Serial No. 544,202, published Jan. 4, 1949. Class 37.

Saratoga Laboratories Inc., New York and Saratoga Springs, N. Y. Mineral fertilizer. 509,782, May 10; Serial No. 558,614, published Nov. 30, 1948. Class 10.

Schefcak, Hugo, doing business as Angel Cream Donut Flour Company, Dallas, Tex. Prepared mix of flour, shortening, dry skim milk, etc. 509,568, May 10; Serial No. 521,363, published Jan. 18, 1949. Class 46.

Schering Corporation, Bloomfield, N. J. Prophenpyramine. 509,780, May 10; Serial No. 553,134, published Jan. 11, 1949. Class 6.

Schermuly Pistol Rocket Apparatus Limited, The, Surrey, England. Signalling and life-saving apparatus and parts thereof, fire alarms and pyrotechnic articles, etc. 442,663, May 10; Serial No. 511,422, published Dec. 14, 1948. Class 9.

Scholl Manufacturing Company, The, by The Scholl Mfg. Co., Inc., Chicago, Ill. Stockings. 108,953, Mar. 7, 1916, republished May 10. Class 39.

Scholl Manufacturing Company, The, by The Scholl Mfg. Co., Inc., Chicago, Ill. Arch-supports, bunion-reducers, toe-straighteners, etc. 111,976, Aug. 15, 1916, republished May 10. Class 43.

Scholl Manufacturing Company, The, by The Scholl Mfg. Co., Inc., Chicago, Ill. Corn-pads, corn-plasters, foot ointments, etc. 116,866, Mar. 13, 1917, republished May 10. Class 6.

Scholl Manufacturing Company, The, by The Scholl Mfg. Co., Inc., Chicago, Ill. Adhesive medicated shields or pads. 167,379, May 1, 1923, republished May 10. Class 6.

Scholl Mfg. Co., Inc., The: *See*—
Scholl Manufacturing Company, The.
Scholl Manufacturing Company, Inc.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Foot-soap. 116,232, Jan. 30, 1917. Republished May 10. Class 4.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Foot-soaps. 116,245, Apr. 17, 1917. Republished May 10. Class 4.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Arch-supports. 116,369–70, Apr. 24, 1917. Republished May 10. Class 44.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Corn plasters. 117,206, June 19, 1917. Republished May 10. Class 6.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Arch-supports. 117,930, Aug. 7, 1917. Republished May 10. Class 44.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Arch supports. 192,011–12, Nov. 25, 1924. Republished May 10. Class 44.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Ointments and other pharmaceutical preparations. 192,076, Nov. 25, 1924. Republished May 10. Class 6.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Heel supports and heel pads. 192,266, Dec. 2, 1924. Republished May 10. Class 44.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Foot corrective appliances. 192,520–1, Dec. 9, 1924. Republished May 10. Class 44.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Arch supports. 192,917, Dec. 16, 1924. Republished May 10. Class 44.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Hosiery. 193,101, Dec. 16, 1924. Republished May 10. Class 39.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Medicated and perfumed foot-bath tablet. 197,403, Apr. 14, 1925. Republished May 10. Class 6.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Foot corrective appliances. 197,623, Apr. 21, 1925. Republished May 10. Class 44.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Shoes, boots, and slippers. 199,617, June 16, 1925. Republished May 10. Class 39.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Shoes, boots and slippers. 200,374, June 30, 1925. Republished May 10. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Foot corrective appliances. 244,108, July 10, 1928. Republished May 10. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Pads and shields for corns, callouses, bunions, and other foot troubles. 244,932, July 31, 1928. Republished May 10. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 247,514, Sept. 26, 1928. Republished May 10. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 509,551, May 10; Serial No. 512,455, published Jan. 18, 1949. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Pads and plasters for corns, bunions, and calli. 509,768, May 10; Serial No. 554,425, published Jan. 25, 1949. Class 44.

Scientific Soil Improvement Corp., assignor to Scientific Soil Products, Inc., New York, N. Y. Mineral fertilizer ingredients. 509,647, May 10; Serial No. 538,316, published Jan. 11, 1949. Class 10.

Scientific Soil Products, Inc.: *See*—
Scientific Soil Improvement Corp.

Sears, Roebuck and Co., Chicago, Ill. Grass rugs. 382,287, Oct. 22, 1940. Canceled. O. G. May 10. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Batts and batting materials. 509,707, May 10; Serial No. 545,175, published Jan. 25, 1949. Class 1.

Sears, Roebuck and Co., Chicago, Ill. Water softener salts; deodorant and sewage disposal chemicals, pipe solvent; air driers, etc. 509,746, May 10; Serial No. 550,443, published Feb. 1, 1949. Class 6.

Seaside Fisheries Company, Long Beach, Calif. Canned mackerel. 509,585, May 10; Serial No. 529,827, published Jan. 18, 1949. Class 46.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Proprietary preparation. 509,741, May 10; Serial Nos. 550,176–7, published Jan. 11, 1949. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Proprietary preparation. 509,785, May 10; Serial No. 559,737, published Jan. 18, 1949. Class 6.

Sharpe, Albert S., doing business under the name of Ephrahs Medicine Co., Detroit, Mich. Preparation for diabetes, asthma and a pile lotion. 509,619, May 10; Serial No. 535,086, published Dec. 28, 1948. Class 6.

Shofner Iron and Steel Works, Portland, Oreg. Ferrous alloy metals. 509,778, May 10; Serial No. 557,781, published Feb. 1, 1949. Class 14.

Silva, Jack M., Turlock, by Jones & Kavanagh Co., Ltd., Los Angeles, Calif. Fresh vegetables. 255,231, Apr. 16, 1929. Republished May 10. Class 46.

Simonds, H. G., Limited, Reading, England. Ale. 69,990. July 21, 1908. Republished May 10. Class 48.

Simonds Manufacturing Company, Fitchburg, Mass. Saws. 139,884, Feb. 22, 1921. Amended. O. G. May 10. Class 23.

Simonds Saw and Steel Company, Fitchburg, Mass. Saws. 264,872. Dec. 10, 1929. Amended. O. G. May 10. Class 23.

Simplex Piston Ring Company of America, Inc., The, to Simplex Piston Ring Mfg. Company, Cleveland, Ohio. Metal piston rings. 255,218, renewed Apr. 16, 1949. O. G. May 10. Class 35.

Simplex Piston Ring Mfg. Company: *See*—
Simplex Piston Ring Company of America, Inc., The.

Sinclair Refining Company, New York, N. Y. Machine for mixing and spraying liquid soap and water. 257,959, renewed June 25, 1949. O. G. May 10. Class 23.

Six Little Tailors Co., Boston, Mass. Men's and boys' suits, topcoats, overcoats, etc. 423,223, Aug. 27, 1940. Republished May 10. Class 39.

Six Wheels, Inc., Los Angeles, Calif. Automotive trucks. 442,644, May 10; Serial No. 465,961, published Dec. 23, 1947. Class 19.

Slip-Not Belting Corporation, Kingsport, Tenn. Transmission belting. 509,793, May 10; Serial No. 562,410, published Feb. 1, 1949. Class 35.

Smith, A. L., Iron Co.: *See*—
Smith, A. L., Iron Works, The.

Smith, A. L., Iron Works, The, to A. L. Smith Iron Co., Chelsea, Mass. Wrought iron tables. 255,788, renewed Apr. 30, 1949. O. G. May 10. Class 32.

Smith, Addie E., doing business as Smith Bros., Berkeley and Oakland, to A. E. Smith, Oakland, Calif. Preparation for use in the treatment of dyspepsia. 251,078, renewed Dec. 25, 1948. O. G. May 10. Class 6.

Smith, Anthony and Company, Elmhurst, N. Y. Healing salve. 442,676, May 10; Serial No. 518,986, published Dec. 21, 1948. Class 6.

Smith Bros.: *See*—
Smith, Addie E.

Smith, Landon P., Inc., by Red Devil Tools, Irvington, N. J. Apparatus for controlling the electrification of fences, and parts therefor. 378,302, June 4, 1940. Republished May 10. Class 21.

Soat, Raymond, doing business as Sweri Products Company, Oakland, Calif., by Allied Chemical & Dye Corporation, New York, N. Y. Non-appearance compound. 384,697, Jan. 28, 1941. Republished May 10. Class 4.

Societe Anonyme, Bienaime, Paris, France. Perfumes, face creams, rouge. 509,719, May 10; Serial No. 547,161, published Jan. 18, 1949. Class 6.

Sorg Paper Company, The, Middletown, Ohio. Writing paper, printing paper, offset paper, etc. 442,694, May 10; Serial No. 523,943, published Jan. 11, 1949. Class 37.

Sould Steel Company, San Francisco and Los Angeles, Calif., Portland, Oreg., and Houston, Tex. Wire, hot rolled rods, hoops and bands and sheets of steel. 509,773, May 10; Serial No. 554,822, published Jan. 11, 1949. Class 14.

Southern Biscuit Company, Incorporated, Richmond, Va. Biscuits, crackers, and hard cakes. 245,567, Aug. 14, 1928. Republished May 10. Class 46.

Spalding, Endora H.: *See*—
Rancho Seepe.

Spalding, Keith, trustee: *See*—
Rancho Seepe.

Special Chemicals Co., The, Cleveland, Ohio. Emulsified polyvinyl acetate. 421,204, May 21, 1946. Republished May 10. Class 6.

Special Chemicals Co., The, Cleveland, Ohio. Bulk commercial synthetic resins. 428,420, Mar. 25, 1947. Republished May 10. Class 1.

Special Chemicals Co., The, Cleveland, Ohio. Liquid phenol formaldehyde resin. 435,626, Jan. 6, 1948. Republished May 10. Class 1.

Special Equipment Company, Park Ridge, Ill. Conveyors and driers for processing leather tanners, pasting plates, etc. 329,598, Nov. 5, 1935. Republished May 10. Class 23.

Speidel Corporation, Providence, R. I. Bracelets. 437,795, Mar. 30, 1948. Republished May 10. Class 28.

Sprague, C. A., Devices: *See*—
Sprague, Charles A.

Sprague, Charles A., doing business as C. A. Sprague Devices, Michigan City, Ind. Windshield wipers. 442,654, May 10; Serial No. 499,442, published Jan. 11, 1949. Class 19.

Sprague Electric Company: *See*—
Sprague Specialties Company.

Sprague Electric Company, North Adams, Mass. Electrical insulation. 420,203, Apr. 2, 1946. Republished May 10. Class 21.

Sprague Specialties Company, Quincy, by Sprague Electric Company, North Adams, Mass. Electric condensers. 277,008, Dec. 2, 1930. Republished May 10. Class 21.

Sprague Specialties Company, by Sprague Electric Company, North Adams, Mass. Electrical condensers. 402,614, Aug. 3, 1943. Republished May 10. Class 21.

Sprague Specialties Company, by Sprague Electric Company, North Adams, Mass. Electrical conductors. 404,943, Dec. 28, 1943. Republished May 10. Class 21.

Sprague Specialties Company, by Sprague Electric Company, North Adams, Mass. Electrical condensers. 405,510, Feb. 1, 1944. Republished May 10. Class 21.

Stadium Manufacturing Company, Incorporated, The: *See*—
Stadium Underwear Company, Inc.

Stadium Underwear Company, Inc., by The Stadium Manufacturing Company, Incorporated, Baltimore, Md. Athletic underwear, night shirts, and pajamas. 248,093, Oct. 30, 1928. Republished May 10. Class 39.

Stadler Fertiliser Company, The: *See*—
Stadler Products Company, The.

Stadler Products Company, The, assignor to The Stadler Fertiliser Company, Cleveland, Ohio. Fertiliser. 509,612, May 10; Serial No. 533,937, published Jan. 18, 1949. Class 10.

Stahl Newspaper Supply Company, Portland, Oreg., to Sta-Hi Corporation, Los Angeles, Calif. Newspaper-press blankets. 194,371, renewed Jan. 20, 1945. O. G. May 10. Class 50.

Sta-Hi Corporation: *See*—
Stahl Newspaper Supply Company.

Stallings, Ransom E., Spartanburg, S. C. Preparation to be applied externally. 323,886, May 7, 1935. Republished May 10. Class 6.

Standard Diamond Tool Corporation, New York, N. Y. Emery-wheel dressers, diamond turning and boring tools, cutting-off tools, etc. 259,416, renewed July 30, 1949. O. G. May 10. Class 23.

Standard Distillers Products: *See*—
Standard Distillers Products, Inc.
Standard Distillers Products Incorporated.

Standard Distillers Products, Inc., by Standard Distillers Products, Baltimore, Md. Egg-nog. 386,810, Apr. 22, 1941. Republished May 10. Class 49.

Standard Distillers Products Incorporated, by Standard Distillers Products, Baltimore, Md. Wine. 406,765, Apr. 25, 1944. Republished May 10. Class 47.

Standard Products Corporation, New York, N. Y. Tissue in sheet form, cigarette tissue, airmail writing paper tissue. 442,658, May 10; Serial No. 507,494, published Jan. 4, 1949. Class 37.

Star Company, by The Hearst Corporation, New York, N. Y. Newspaper section. 105,815, Aug. 10, 1915. Republished May 10. Class 38.

Star Company, by The Hearst Corporation, New York, N. Y. Series of cartoons or comic strips. 140,220, Mar. 8, 1921. Republished May 10. Class 38.

Stauffer Chemical Company, San Francisco, Calif. Superphosphate fertiliser. 509,769, May 10; Serial No. 544,426, published Jan. 18, 1949. Class 10.

Stone, Harry E., doing business as American Lacquer Solvents Co., Norristown, to American Lacquer Solvents Company, Phoenixville, Pa. Lacquer solvent. 258,625, renewed July 9, 1949. O. G. May 10. Class 16.

Strauss, Bertram A., doing business as Columbia Pencil Company, New York, N. Y. Mechanical pencils. 442,462, May 10; Serial No. 510,738, published Jan. 4, 1949. Class 37.

Strutwear Incorporated: *See*—
Strutwear Knitting Company.

Strutwear Knitting Company, by Strutwear Incorporated, Minneapolis, Minn. Hosiery and underwear. 299,048, Nov. 22, 1932. Republished May 10. Class 39.

Stuart Company, The, Pasadena, Calif. Vitamin concentrates. 509,674, May 10; Serial No. 540,837, published Jan. 4, 1949. Class 6.

Styles & Cash, New York, N. Y., by C. S. Hook, Union City, Ind. Lead-pencils. 70,678, Sept. 22, 1908. Republished May 10. Class 37.

Styron-Beggs Company, The, Newark, Ohio. Adhesive tape or oxide of zinc, alum, ammonia, etc. 387,972, June 10, 1941. Republished May 10. Class 6.

Sugar Shell Corporation, New York, N. Y. Automatic ice cream cone machines and parts therefor. 442,674, May 10; Serial No. 518,704, published Jan. 18, 1949. Class 22.

Sullivan, R. G., Estate, by R. G. Sullivan Incorporated, Manchester, N. H. Cigars. 153,320, Mar. 14, 1922. Republished May 10. Class 17.

Sullivan, R. G., Incorporated: *See*—
Sullivan, R. G., Estate.

Sun Chemical Corporation, New York, N. Y. Pigment colors used in the manufacture of ink. 509,720, May 10; Serial No. 547,169, published Jan. 18, 1949. Class 11.

Sun Chemical Corporation, New York, N. Y. Printing ink. 509,721-2, May 10; Serial Nos. 547,175-6, published Jan. 18, 1949. Class 11.

Sun Chemical Corporation, New York, N. Y. Printing ink. 509,723-4, May 10; Serial Nos. 547,184-5, published Jan. 18, 1949. Class 11.

Sun Chemical Corporation, New York, N. Y. Printing ink. 509,725, May 10; Serial No. 547,188, published Jan. 18, 1949. Class 11.

Sunset Magazine, Inc., by Lane Publishing Co., San Francisco, Calif. Magazine. 257,313, June 4, 1929. Republished May 10. Class 38.

Superior Fisheries, Inc., Los Angeles, by Parrott & Co., San Francisco, Calif. Canned mackerel and canned sardines. 382,954, Nov. 19, 1940. Republished May 10. Class 46.

Surgical Appliance Industries, Inc.: *See*—
Ohio Truss Company, The.

Sutherland Paper Company, Kalamazoo, Mich. Cups. 509,807, May 10; Serial No. 516,450. Class 2.

Sweet Products Company: *See*—
Soat, Raymond.

Table Rock Laboratories, Inc., Greenville, S. C. Preparation for the treatment of essential hypertension, arteriosclerosis, etc. 509,572, May 10; Serial No. 527,428, published Nov. 23, 1948. Class 6.

Taylor & Caldwell, to Taylor & Caldwell, Inc., Walkerton, Va. Canned vegetables. 257,743, renewed June 18, 1949. O. G. May 10. Class 46.

Taylor & Caldwell, Inc.: *See*—
Taylor & Caldwell.

Taylor & Sledd, Inc., Richmond, Va. Canned fruits, canned orange juice, and canned grapefruit juice, etc. 509,661, May 10; Serial No. 539,235, published Jan. 18, 1949. Class 46.

Tennessee Corporation, New York, N. Y. Fertiliser. 509,738, May 10; Serial No. 549,193, published Aug. 24, 1948. Class 10.

Terven, Lewis, by Lewis A. Terven Company, Salinas, Calif. Fresh vegetables. 366,886, May 2, 1939. Republished May 10. Class 46.

Terven, Lewis, by Lewis A. Terven Company, Salinas, Calif. Fresh vegetables. 399,909, Feb. 2, 1943. Republished May 10. Class 46.

Terven, Lewis A., Company: *See*—
Terven, Lewis.

Tex-O-Kan Flour Mills Co., doing business as Burrus Mill and Elevator Co., Dallas and Forth Worth, Tex. Whole wheat flour, cake flour, pancake flour, etc. 509,538, May 10; Serial No. 492,748, published Jan. 18, 1949. Class 46.

Thompson, Marvin R., Inc., Stamford, Conn. Medicinal preparation. 509,765, May 10; Serial No. 554,063, published Jan. 18, 1949. Class 6.

Tinker, Harold W., doing business as Tinker Products, Aurora, Ill. Antiseptic lotion. 442,687, May 10; Serial No. 523,930, published Feb. 1, 1949. Class 6.

Tinker Products: *See*—
Tinker, Harold W.

Tobin Packing Co., Inc.: *See*—
Arpeako, Inc.

Topper, B. P., Cigar Company, The, McSherrytown, Pa., assignor to C. R. Topper, Meriden, Conn. Cigars. 509,575, May 10; Serial No. 527,796, published Jan. 18, 1949. Class 17.

Topper, Curtis R.: *See*—
Topper, B. P., Cigar Company, The.

Torrington Company, The, Torrington, Conn. Spokes and nipples for wheels of cycle vehicles, pedals, handle bars, etc. 509,711, May 10; Serial No. 546,071, published Jan. 4, 1949. Class 19.

Truax-Traer Coal Company: *See*—
West Virginia Southern Coal Company.

Turner's Pharmacy, by J. W. Ernest, Richmond, Va. Internal remedy. 81,161, Mar. 7, 1911. Republished May 10. Class 6.

Tyson Shirt Company, Norristown, Pa. Men's and boys' negligee, dress, and work shirts; pajamas, etc. 248,694-5, renewed Oct. 30, 1948. O. G. May 10. Class 39.

Uarco Incorporated, Chicago, Ill. Machine for feeding stationery through an addressing machine. 509,605, May 10; Serial No. 532,768, published Feb. 1, 1949. Class 23.

Union Pacific Railroad Company, Omaha, Nebr. Railway freight and passenger cars. 32,036, Oct. 4, 1898. Republished May 10. Class 19.

Union Railway Equipment Co., Chicago, Ill. Horisontal wheel high power hand brake, drop type high power hand brake, vertical wheel high power hand brake, etc. 509,541, May 10; Serial No. 496,528, published Jan. 11, 1949. Class 19.

United Mills, by United Mills Corporation, Mount Gilead, N. C. Slips for women and misses. 417,195, Oct. 16, 1945. Republished May 10. Class 39.

United Mills Corporation: *See*—
United Mills.

United Shoe Machinery Company, Paterson, N. J., and Boston, Mass., to United Shoe Machinery Corporation, Boston, Mass. Machinery for cutting or trimming parts of boots or shoes, etc. 72,304, re-renewed Jan. 12, 1949. O. G. May 10. Class 23.

United Shoe Machinery Company, Paterson, N. J., and Boston, Mass., to United Shoe Corporation, Boston, Mass. Screw-drivers, pinking-tools, treeing-irons, etc. 72,305, re-renewed Jan. 12, 1949. O. G. May 10. Class 23.

United Shoe Machinery Corporation: *See*—
United Shoe Machinery Company.

United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass., to United Shoe Machinery Corporation, Boston, Mass. Racks used for transporting shoes and shoe parts. 251,881, renewed Jan. 15, 1949. O. G. May 10. Class 32.

U. S. Line Company: *See*—
United States Whip Company.

United States Rubber Company, New York, N. Y. Built-in seat cushions. 509,732, May 10; Serial No. 548,200, published Jan. 4, 1949. Class 19.

United States Safety Service Company: *See*—
Parmelee, A. F.

United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 217,440, Aug. 31, 1926. Republished May 10. Class 22.

Universal Chemical Corporation, Easthampton, Mass. Lighter fluid. 509,726, May 10; Serial No. 547,296, published Jan. 11, 1949. Class 6.

Unsinger-A P Corporation, Fremont, Ohio. Razor blades. 442,660, May 10; Serial No. 510,133, published May 6, 1947. Class 23.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 509,749, May 10; Serial No. 551,065, published Feb. 1, 1949. Class 6.

Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. 509,573, May 10; Serial No. 527,510, published Jan. 4 1949. Class 37.

Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. 509,574, May 10; Serial No. 527,573, published Jan. 4, 1949. Class 37.

Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. 509,576, May 10; Serial No. 527,856, published Jan. 4, 1949. Class 37.

Varney, William H., Newton, N. H. Medicinal preparation. 257,168, May 28, 1929. Republished May 10. Class 6.

Vick's, James, Seeds, Inc., Philadelphia, Pa. Vegetable and flower seeds, bulbs, and plants, etc. 509,602, May 10; Serial No. 532,179, published Jan. 25, 1949. Class 1.

Vulcan Mold & Iron Company, Latrobe, Pa. Cast iron metal molds and cast iron metal mold accessories. 509,637, May 10; Serial No. 537,108, published Feb. 1, 1949. Class 14.

Walgreen Co.: *See*—
Killian Manufacturing Co., The.

Walterisation Company Limited, The, Croydon, Surrey, England. Chemical solutions. 509,786, May 10; Serial No. 559,968, published Jan. 18, 1949. Class 6.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Sport, gymnasium, and camp clothing. 258,491, renewed July 9, 1949. O. G. May 10. Class 39.

Warren, John T.: *See*—
Warren Portahome Company, Inc.

Warren, Lucille J., doing business as The Flor-Dry Company, St. Paul, Minn. Granular preparation for absorbing oil and grease from floors. 509,806, May 10; Serial No. 498,972. Class 4.

Warren Portahome Company, Inc., assignor to J. T. Warren, Mays Landing, N. J. Complete and sectional pre-built dwellings, cottages, bungalows, tourist cabins, etc. 509,554, May 10; Serial No. 538,687, published Jan. 11, 1949. Class 12.

Watchtower Bible and Tract Society, Inc., Brooklyn, N. Y. Magazine. 509,681, May 10; Serial No. 542,377, published Jan. 18, 1949. Class 38.

Watkins, William W., to Dabney Pharmacal Company, Inc., Indianapolis, Ind. Medicinal preparations. 238,906, renewed Feb. 14, 1948. O. G. May 10. Class 6.

Weber Medical Tea Company, The, Brooklyn, N. Y. Laxative preparations. 252,587, renewed Feb. 12, 1949. O. G. May 10. Class 6.

Weka S. P. R. L., Brussels, Belgium. Garlic oil extract in capsules. 442,687, May 10; Serial No. 514,385, published Dec. 28, 1948. Class 6.

Welch Industries, Incorporated, Colorado Springs, Colo. Hand lotion. 509,779, May 10; Serial No. 557,880, published Feb. 1, 1949. Class 6.

Welcome Wagon Service Company, Inc., Memphis, Tenn., and New York, N. Y. Advertising service. 509,800, May 10; Serial No. 538,327, published Jan. 25, 1949. Class 55.

Wellcome, Henry S., London, England, to Borroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Sodium para-aminophenylarsonates. 73,155, re-renewed Mar. 23, 1949. O. G. May 10. Class 6.

Wesson Oil & Snowdrift Co., Inc., New Orleans, La. Cottonseed oil. 509,621, May 10; Serial No. 535,667, published Jan. 18, 1949. Class 46.

Western Auto Supply Company, Kansas City, Mo. Ditching spades, shovels, furnace scoops, etc. 509,631, May 10; Serial No. 536,566, published Jan. 18, 1949. Class 23.

Western Mineral Products Company, Minneapolis, Minn., and Omaha, Nebr. Adhesive. 509,560, May 10; Serial No. 517,678, published Jan. 11, 1949. Class 5.

Western Rawhide & Belting Company, Milwaukee, Wis. Round leather belting. 509,795, May 10; Serial No. 564,032, published Feb. 1, 1949. Class 35.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. 442,695, May 10; Serial No. 526,059, published Jan. 11, 1949. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, envelopes, and papeteries. 509,655, May 10; Serial No. 538,688, published Jan. 11, 1949. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; loose writing paper, etc. 509,656, May 10; Serial No. 538,689, published Jan. 11, 1949. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; account, data, or order books, etc. 509,657, May 10; Serial No. 538,692, published Jan. 11, 1949. Class 37.

Westinghouse Electric Corporation, East Pittsburgh, Pa. High temperature alloys. 442,673, May 10; Serial No. 517,940, published Jan. 18, 1949. Class 14.

Weston International Associates, New York, N. Y. Fountain pens. 509,691, May 10; Serial No. 543,673, published Jan. 11, 1949. Class 37.

Westvaco Chemical Corporation, assignor to Food Machinery and Chemical Corporation, New York, N. Y. Insecticide. 509,783, May 10; Serial No. 558,975, published Jan. 18, 1949. Class 6.

West Virginia Southern Coal Company, Huntington, W. Va., by Truax-Traer Coal Company, Chicago, Ill. Coal. 248,016, Oct. 16, 1928. Republished May 10. Class 1.

Wetherbolt's Perfume Co., Chicago, Ill. Perfume, cologne, bubble bath, etc. 442,647, May 10; Serial No. 490,728, published Feb. 1, 1949. Class 6.

Wheeling Steel Corporation, Wheeling, W. Va. Rolled sheet steel. 257,859, June 18, 1929. Republished May 10. Class 14.

White Bros. Rose Corp., Medina, N. Y. Fresh cut flowers. 509,567, May 10; Serial No. 521,300, published Feb. 1, 1949. Class 1.

White-Stokes Company, Inc., Chicago, Ill. Devil's food-cake mix, spice-cake mix, white-cake mix, etc. 252,441, renewed Feb. 6, 1940. O. G. May 10. Class 46.

White-Stokes Company, Inc., Chicago, Ill. Pectin product. 252,772, renewed Feb. 12, 1949. O. G. May 10. Class 46.

Whitehead Stamping Company, Detroit, Mich. Rear-view automobile mirrors. 509,662, May 10; Serial No. 539,249, published Jan. 4, 1949. Class 19.

Wilbur-Ellis Company, San Francisco, Calif. Stock food. 252,323, Feb. 5, 1929. Republished May 10. Class 46.

Wilhelm, Warner F., doing business as D-String Co., Chicago, Ill. Insect repellents. 509,743, May 10; Serial No. 550,190, published Jan. 18, 1949. Class 6.

Wilkinson, J. E., Jr., Prattville, Ala. Preparation in liquid form for external application in the treatment of skin diseases. 240,812, Apr. 10, 1928. Republished May 10. Class 6.

Williamson, George, Jr., Jacksonville, Tex. Fresh vegetables. 509,565, May 10; Serial No. 521,164, published Jan. 18, 1949. Class 46.

Wilson, Andrew, Inc., Springfield, N. J. Insecticides. 509,639, May 10; Serial No. 537,267, published Jan. 11, 1949. Class 6.

Wilson Bulb Farms: *See*—
Wilson, Hubert D.

Wilson, Hubert D., doing business as Wilson Bulb Farms, Albany, Ga. Bulbs and cut flowers. 508,583, May 10; Serial No. 528,597, published Feb. 1, 1949. Class 1.

Wolverine Tube Company, Detroit, Mich., by Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Metal tubing. 280,433, Dec. 11, 1928. Republished May 10. Class 13.

Woodworth Elevator Company, Minneapolis, Minn. Soft coal. 207,808, Jan. 12, 1926. Republished May 10. Class 1.

Wortendyke Manufacturing Company, Richmond, Va. Toilet paper tissue. 509,672, May 10; Serial No. 540,131, published Jan. 4, 1949. Class 37.

Write Right Manufacturing Company: *See*—
D. & S. Tablet Company.

Write Right Manufacturing Company, Atlanta, Ga. Loose-leaf filler paper, envelopes, paper stationery. 436,611, Feb. 17, 1948. Republished May 10. Class 37.

Yankee Polish Co; Inc., New York, N. Y. Shoe polish. 257,999, renewed June 25, 1949. O. G. May 10. Class 4.

Zimmerman Apparel Shop Inc., Wilkes-Barre, Pa. Dresses, coats, suits, etc. 290,300, Dec. 29, 1931. Republished May 10. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Baby chicks. DeKalb Hybrid Seed Company. 509,810, May 10; Serial No. 540,647.

Batts and batting materials. Sears, Roebuck and Co., 509,707, May 10; Serial No. 545,175, published Jan. 25, 1949.

Bulbs and cut flowers. H. D. Wilson. 509,583, May 10; Serial No. 528,597, published Feb. 1, 1940.

Christmas trees, Natural. Halvorson Trees, Incorporated. 509,689, May 10; Serial No. 543,180, published Jan. 25, 1949.

Coal. Crozer-Pocahontas Company. 509,712, May 10; Serial No. 546,191, published Jan. 25, 1949.

Coal. Midland Coal Sales Company. 250,207-8, Dec. 4, 1928. Republished May 10.

Coal. The Reliance Coal and Coke Co. 509,715, May 10; Serial No. 546,507, published Feb. 1, 1949.

Coal. West Virginia Southern Coal Company. 248,018, Oct. 16, 1928. Republished May 10.

Coal, Soft. Woodworth Elevator Company. 207,808, Jan. 12, 1926. Republished May 10.

Corn, Hybrid seed. Lowe Seed Company. 509,555, May 10; Serial No. 516,519, published Feb. 1, 1940.

Flowers. A. W. Davidson. 509,622, May 10; Serial No. 535,690, published Jan. 25, 1949.

Flowers, Cut. Kennicott Bros. Company. 509,694, May 10; Serial No. 543,936, published Jan. 25, 1949.

Flowers, Fresh cut. White Bros. Rose Corp. 509,567, May 10; Serial No. 521,300, published Feb. 1, 1949.

Flowers, Natural. E. W. McLellan Co. 395,602, June 2, 1942. Republished May 10.

Fruit trees, rose plants, and ornamental trees and plants. California Nursery Company. 509,554, May 10; Serial No. 513,966, published Feb. 1, 1949.

Fur skins, hides, and pelts. Fonke Fur Company. 509,569, May 10; Serial No. 527,183, published Feb. 1, 1949.

Fur skins, hides, and pelts. Fonke Fur Company. 509,570, May 10; Serial No. 527,189, published Feb. 1, 1949.

Grain, Brewers'. New Orleans Grain & Feed Company, Inc. 320,464, Jan. 1, 1935. Republished May 10.

Leather. The Griess-Pfleger Tanning Co. 437,802, Mar. 30, 1948. Republished May 10.

Leather. Helburn Leather Co. 110,596, June 6, 1916. Republished May 10.

Leather. J. Lichtman & Sons. 509,696, May 10; Serial No. 544,095, published Jan. 25, 1949.

Leather. Monarch Leather Company. 509,535, May 10; Serial No. 478,136, published Jan. 25, 1949.

Leather, Sole. Millidgeburg Tanning Corporation. 442,682, May 10; Serial No. 521,919, published Feb. 1, 1949.

Leather, Upper. Beggs & Cobb, Incorporated. 509,545, May 10; Serial No. 499,689, published Jan. 25, 1949.

Molding powders; Plastic, liquid plastic compounds and doughs; sheets, rods and tubes of plastic stock. Dossi-Wallace and Company. 509,678, May 10; Serial No. 540,709, published Feb. 1, 1949.

Petroleum residues and asphaltic residues and product made therefrom, Solid. Binney & Smith Co. 256,061, renewed May 7, 1949. O. G. May 10.
Plastic material, Transparent and translucent. A. F. Parmelee. 509,544, May 10; Serial No. 498,447, published Feb. 1, 1949.
Resin, Liquid phenol formaldehyde. The Special Chemicals Co. 435,626, Jan. 6, 1948. Republished May 10.
Resins, Bulk commercial synthetic. The Special Chemicals Co. 428,420, Mar. 25, 1947. Republished May 10.
Resins, Synthetic. Northwestern Blaugas Company. 322,899, Mar. 26, 1935. Republished May 10.
Rosin. Newport Industries, Inc. 509,695, May 10; Serial No. 543,979, published Jan. 25, 1949.
Rosin, Stabilised. The Glidden Company. 509,716, May 10; Serial No. 546,695, published Feb. 1, 1949.
Rubber, Lignin reinforced. Marathon Corporation. 509,653, May 10; Serial No. 538,647, published Jan. 25, 1949.
Seeds, bulbs, and plants, etc., Vegetable and flower. J. Vick's Seeds, Inc. 509,602, May 10; Serial No. 532,179, published Jan. 25, 1949.
Seeds, Garden and field. A. N. Levin. 509,540, May 10; Serial No. 493,970, published Feb. 1, 1949.

CLASS 2

Bags, Paper. Hammond Bag and Paper Company. 255,783, renewed Apr. 30, 1949. O. G. May 10.
Bags, Paper. Master Metal Products, Inc. 250,413, Dec. 11, 1928. Republished May 10.
Cans, Sanitary napkin disposal, disposal cans, wastepaper baskets, etc. A. Mierson. 435,448, Dec. 30, 1947. Republished May 10.
Cups. Sutherland Paper Company. 509,807, May 10, Serial No. 516,450.
Necklaces and bracelets, finger rings, earrings, etc. Cohn & Rosenberger, Inc. 378,425, June 11, 1940. Republished May 10.
Necklaces, bracelets, earrings, etc. Coro, Inc. 407,969, July 11, 1944. Republished May 10.
Necklaces, bracelets, finger rings, etc. Coro, Inc. 428,993, Apr. 15, 1947. Republished May 10.

CLASS 3

Accessories for harness and saddlery. North & Judd Manufacturing Company. 248,105, June 12, 1928. Republished May 10.
Bits, spurs, spur rowels, etc. North & Judd Manufacturing Company. 246,080, Aug. 28, 1928. Republished May 10.
Rings, D. North & Judd Manufacturing Company. 243,106, June 12, 1928. Republished May 10.
Rings, Harness. North & Judd Manufacturing Company. 243,107, June 12, 1928. Republished May 10.

CLASS 4

Cleaner, cleanser, and detergent, Sudsing. The Procter & Gamble Company. 438,324, Apr. 13, 1948. Republished May 10.
Cleaning and polishing powder. The Bon Ami Company. 293,065, Apr. 5, 1932. Republished May 10.
Cleaning compounds. Ferro Enamel Corporation. 319,895, Dec. 11, 1934. Republished May 10.
Cleaning powder. The Bon Ami Company. 342,279, Jan. 12, 1937. Republished May 10.
Detergent preparation. Kats Drug Company. 427,062, Jan. 28, 1947. Republished May 10.
Foot-soap. Scholl Manufacturing Company, Inc. 115,282, Jan. 30, 1917. Republished May 10.
Foot-soaps. Scholl Manufacturing Company, Inc. 115,245, Apr. 17, 1917. Republished May 10.
Non-saponaceous compound. R. Scat. 384,697, Jan. 28, 1941. Republished May 10.
Petroleous solvents, Liquid. Practical Products Company. 436,036, Jan. 20, 1948. Republished May 10.
Polish, Shoe. Yankee Polish Co. Inc. 257,999, renewed June 28, 1949. O. G. May 10.
Polishing and cleaning powder. The Bon Ami Company. 299,120, Nov. 22, 1932. Republished May 10.
Polishing and cleaning powder. The Bon Ami Company. 337,902, Aug. 25, 1936. Republished May 10.
Polishing paste, powder, or liquid. The Cando Corporation. 258,945-6, renewed July 16, 1949. O. G. May 10.
Preparation, Granular, for absorbing oil and grease from floors. L. J. Warren. 509,806, May 10; Serial No. 496,972.
Soap, Abrasive. The Cudahy Packing Co. 68,213, Mar. 17, 1908. Republished May 10.
Soap, dry-cleaning fluid, etc. The American Oil Company. 435,292, Dec. 16, 1947. Canceled. O. G. May 10.
Soap, dry cleaning fluid, etc. The American Oil Company. 435,293, Dec. 16, 1947. Canceled. O. G. May 10.
Soap, dry-cleaning fluid, etc. The American Oil Company. 435,306, Dec. 16, 1947. Canceled. O. G. May 10.
Soap, dry-cleaning fluid, etc. The American Oil Company. 435,309, Dec. 16, 1947. Canceled. O. G. May 10.
Soap, Scouring. Bon Ami Company. 50,848, Apr. 3, 1906. Republished May 10.
Soap, Scouring. Bon Ami Company. 88,548, Oct. 1, 1912. Republished May 10.
Soap, Scouring. The Bon Ami Co. 99,079, Aug. 18, 1914. Republished May 10.
Soap, Scouring. The Bon Ami Co. 109,312, Mar. 28, 1916. Republished May 10.
Soap, Scouring. The Bon Ami Company. 218,840, Oct. 5, 1926. Republished May 10.
Soap, Scouring. The Bon Ami Company. 248,033, June 12, 1928. Republished May 10.
Soap, Scouring. The Bon Ami Company. 261,327, Sept. 17, 1929. Republished May 10.
Soap, Scouring. The Bon Ami Company. 395,607, June 2, 1942. Republished May 10.
Soap, Scouring. The Bon Ami Company. 403,813, Oct. 19, 1943. Republished May 10.
Soap, Scouring, and cleaning and polishing powder. Bon Ami Company. 303,446, May 23, 1933. Republished May 10.
Soaps, cleaning, scouring, and polishing wads, pads, rolls, and cloths. Brillo Manufacturing Company, Inc. 259,962, renewed Aug. 13, 1949. O. G. May 10.
Soaps, Toilet. Charles of the Ritz, Inc. 412,297, Feb. 27, 1945. New certificate. O. G. May 10.
Top dressing, sand paper, and chemically treated rags for cleaning surfaces. Nu-Enamel Corporation. 322,974, Mar. 26, 1935. Republished May 10.
Top dressing, sand paper, and for chemically treated rags for cleaning surfaces. Nu-Enamel Corporation. 323,800, Apr. 30, 1935. Republished May 10.

CLASS 5

Acetate, Emulsified polyvinyl. The Special Chemicals Co 421,204, May 21, 1946. Republished May 10.
Adhesive. Western Mineral Products Company. 509,560, May 10; Serial No. 517,078, published Jan. 11.
Cement, Latex. Boston Blacking Company, Inc. 253,255, renewed Feb. 26, 1949. O. G. May 10.
Cloth, Adhesively coated, adhesively coated cloth and paper laminated, adhesively coated paper, etc. Nashua Gummed and Coated Paper Company. 509,666, May 10; Serial No. 538,948, published Jan. 18, 1949.
Paste, Wallpaper. L. Barkan. 509,811, May 10; Serial No. 551,935.
Tape, Gummed paper. Mid-States Gummed Paper Co. 509,682, May 10; Serial No. 542,401, published Jan. 11, 1949.
Tapes, Sealing. Bemis Bro. Bag Co. 442,645, May 10; Serial No. 482,088, published Jan. 11, 1949.

CLASS 6

Acetal; acetaldehyde; acetamids, etc. Griffin Chemical Company. 509,500, May 10; Serial No. 531,801, published Nov. 30, 1948.
Ammonia, and bleach. Wm. Montgomery Company. 509,606, May 10; Serial No. 535,940, published Jan. 4, 1949.
Analgesic and sedative. W. A. Fansler. 509,774, May 10; Serial No. 555,399, published Jan. 18, 1949.
Antacid, digestant, and carminative. M. L. Bernstein. 255,995, renewed May 7, 1949. O. G. May 10.
Anti-biotic preparation. Parke, Davis & Company. 509,785, May 10; Serial No. 549,167, published July 20, 1948.
Bubble bath, bath (boudoir) powder, dusting powder, etc. Daggett & Ramsdell. 509,735, May 10; Serial No. 540,132, published Dec. 7, 1948.
Calcium chloride. Fassy & Besthoff, Inc. 509,646, May 10; Serial No. 538,115, published Jan. 11, 1949.
Chemical for coloring hearth fires. L. Gallitano. 436,969, Mar. 2, 1948. Republished May 10.
Chemical preparation. The Klenzoid Corporation. 509,625, May 10; Serial No. 536,007, published Dec. 7, 1948.
Chemical solutions. The Walterization Company Limited. 509,786, May 10; Serial No. 559,968, published Jan. 18, 1949.
Chemicals, Mineral. Orefraction Incorporated. 442,693, May 10; Serial No. 525,017, published Jan. 18, 1949.
Chemotherapeutic agent. Parke, Davis & Company. 509,747, May 10; Serial No. 550,939, published Jan. 11, 1949.
Cholesterol-lanosterol. Robinson-Wagner Co. Inc. 509,792, May 10; Serial No. 560,293, published Feb. 1, 1949.
Compounds for processing and tanning leather, E. F. Houghton & Co. 249,256, Nov. 13, 1928. Republished May 10.
Condition-powder and medicines. The Barker, Moore & Mein Medicine Company. 101,615, Jan. 6, 1915. Republished May 10.
Corn-pads, corn-plasters, foot-ointments, etc. The Scholl Manufacturing Company. 115,866, Mar. 13, 1917. Republished May 10.
Corn plasters. Scholl Manufacturing Company, Inc. 117,306, June 19, 1917. Republished May 10.
Cosmetic compound. J. A. Brown. 33,737, Nov. 14, 1899. Republished May 10.
Cosmetics. Rexall Drug Company. 509,744, May 10; Serial No. 550,260, published Dec. 28, 1948.
Cosmetics. Rhode Island Laboratories, Inc. 509,634, May 10; Serial No. 536,836, published Jan. 18, 1949.
Cream, Face and hand. H. D. Koenig. 442,681, May 10; Serial No. 521,076, published Jan. 4, 1949.
Cream for the complexion and astringent lotion. The Artesia Cream Company. 216,576, Aug. 17, 1926. Republished May 10.
Decahydronaphthalene. Newport Manufacturing Company. 231,301, Jan. 1, 1929. Republished May 10.

Dentifrices and mouth washes. The Guerlain Perfumery Corporation. 509,651, May 10; Serial No. 538,540, published Dec. 21, 1948.
Dentifrices, denture powders, dental plate securing preparations, etc. M. Haefeli. 442,669, May 10; Serial No. 516,835, published Dec. 21, 1948.
Dentifrices, denture powders, dental plate securing preparations etc. M. Haefeli. 442,670, May 10; Serial No. 516,836, published Jan. 4, 1949.
Dentifrices, denture powders, dental plate securing preparations, etc. M. Haefeli. 442,671, May 10; Serial No. 516,838, published Jan. 4, 1949.
Deodorant, antiseptic, and germicide preparation. Kats Drug Company. 356,822, May 10. Republished May 10.
Deodorants. J. Rubel. 442,661, May 10; Serial No. 510,619, published Jan. 11, 1949.
Disinfectants, germicides, and sterilisers. The Diversey Corporation. 351,188, Oct. 19, 1937. Republished May 10.
Disinfectants, Insecticides, fungicides, etc. Eastern States Farmers' Exchange. 509,761, May 10; Serial No. 551,259, published Jan. 25, 1949.
Dyes, Fabrics, and glass frosting. Red Spot Paint & Varnish Co. 249,109, Nov. 6, 1928. Republished May 10.
Dyestuffs. National Aniline & Chemical Company, Incorporated. 144,872-3, July 19, 1921. Republished May 10.
Elixir, Compound purgative. Hanrahan Pharmaral Co. Inc. 69,809, July 7, 1908. Republished May 10.
Embalming preparations. Frigid Fluid Company. 509,670, May 10; Serial No. 539,949, published Dec. 7, 1948.
Emulsifying agents. General Dyestuff Corporation. 509,550, May 10; Serial No. 511,079, published Jan. 11, 1949.
Emulsifying, dispersing, solubilising and wetting agents. Atlas Powder Company. 509,692, May 10; Serial No. 543,871, published Dec. 21, 1948.
Face powder and powder bases. G. A. Lawrence. 509,740, May 10; Serial No. 550,158, published Dec. 21, 1948.
Filling agent useful in the manufacture of leather. American Gum Products Company. 509,784, May 10; Serial No. 558,985, published Jan. 18, 1949.
Flotation reagents. American Cyanamid Company. 257,817, renewed June 18, 1949. O. G. May 10.
Folic acid parenteral product. Bristol Laboratories Inc. 509,679, May 10; Serial No. 541,506, published Jan. 18, 1949.
Garlic oil extract in capsules. S. P. R. L. Weks. 442,667, May 10; Serial No. 514,385, published Dec. 28, 1948.
Haarlem oil. Gold Medal Haarlem Oil Corporation. 509,663, May 10; Serial No. 539,311, published Jan. 18, 1949.
Hypo-allergenic product. Mead Johnson & Company. 509,558, May 10; Serial No. 516,937, published Dec. 7, 1948.
Incense. Hindu Incense Manufacturing Co. 509,571, May 10; Serial No. 527,376, published Jan. 13, 1948.
Insecticidal chemical. J. T. Berdan. 509,734, May 10; Serial No. 549,138, published Jan. 18, 1949.
Insecticide. Westvaco Chemical Corporation. 509,783, May 10; Serial No. 558,975, published Jan. 18, 1949.
Insecticides. Geigy Company, Inc. 509,688, May 10; Serial No. 543,176, published Nov. 30, 1948.
Insecticides. Andrew Wilson, Inc. 509,639, May 10; Serial No. 537,267, published Jan. 11, 1949.
Internal remedy. Turner's Pharmacy. 81,181, Mar. 7, 1911. Republished May 10.
Intravenous solutions. Don Baxter, Inc. 321,355, Jan. 29, 1935. Republished May 10.
Laxative. C. J. Moffett Medicine Company. 509,727, May 10; Serial No. 547,474, published Jan. 25, 1949.
Laxative preparations. The Weber Medical Tea Company. 252,567, renewed Feb. 12, 1949. O. G. May 10.
Laxatives. A. M. Leccas. 509,788, May 10; Serial No. 560,028, published Jan. 18, 1949.
Lighter fluid. Universal Chemical Corporation. 509,726; May 10; Serial No. 547,290, published Jan. 11, 1949.
Liniment. Old 97 Company. 509,748, May 10; Serial No. 551,041, published Jan. 11, 1949.
Lipstick, rouge, nail polish. Avon Products, Inc. 509,809, May 10; Serial No. 534,865.
Lip sticks. The Guerlain Perfumery Corporation. 509,640, May 10; Serial No. 538,538, published Nov. 23, 1948.
Lipsticks, eyebrow pencils, mascara, etc. Beautymasters of Beverly Hills, Inc. 509,745, May 10; Serial No. 550,294, published Jan. 18, 1949.
Lotion, Antiseptic. H. W. Tinker. 442,687, May 10; Serial No. 523,930, published Feb. 1, 1949.
Lotion, Hand. Welch Industries, Incorporated. 509,778, May 10; Serial No. 557,880, published Feb. 1, 1949.
Lotions, Toilet. Elmo, Inc. 509,687, May 10; Serial No. 543,027, published Jan. 11, 1949.
Medicinal preparation. Cortunon Co., Inc. 509,787, May 10; Serial No. 559,995, published Feb. 1, 1949.
Medicinal preparation. The Denver Chemical Manufacturing Company. 509,739, May 10; Serial No. 550,031, published Dec. 28, 1948.
Medicinal preparation. Katz Drug Company, 412,406, Mar. 6, 1945. Republished May 10, 1949.
Medicinal preparation. M. A. Maffey. 509,738, May 10; Serial No. 549,740, published Jan. 18, 1949.
Medicinal preparation. Marvin R. Thompson, Inc. 509,765, May 10; Serial No. 554,063, published Jan. 18, 1949.
Medicinal preparation. The Upjohn Company. 509,749, May 10; Serial No. 551,065, published Feb. 1, 1949.
Medicinal preparation. W. H. Varney. 237,166, May 28, 1929. Republished May 10.
Medicinal preparations. Reed & Carnrick. 259,547, renewed July 30, 1949. O. G. May 10.
Medicinal preparations. W. W. Watkins. 238,906, renewed Feb. 14, 1948. O. G. May 10.
Mineral waters, effervescent crystals, and laxative pills. Pinto Corporation. 509,717, May 10; Serial No. 546,728, published Jan. 25, 1949.
Moth-proofing composition. B. Peterson. 414,481, June 12, 1945. Republished May 10.
Nail enamel, lipstick, and face powder. Revlon Products Corporation. 442,643, May 10; Serial No. 463,980, published Dec. 19, 1944.
Nail enamel, nail polish, nail paste, etc. Sage, Peggy, Inc. 509,640, May 10; Serial No. 537,510, published Jan. 11, 1949.
Ointment and powder for athlete's foot. Brunswick Laboratories, Inc. 509,604, May 10; Serial No. 532,660, published Dec. 7, 1948.
Ointment, lice exterminator, disinfectant, etc. Barker, Moore & Mein Company. 376,184, Mar. 12, 1940. Republished May 10.
Ointment preparations. W. Pierschalski. 509,791, May 10; Serial No. 560,230, published Feb. 1, 1949.
Ointment, Skin. Madeleine Laboratories, Inc. 509,703, May 10; Serial No. 544,652, published Feb. 1, 1949.
Ointments and other pharmaceutical preparations. The Scholl Manufacturing Company, Inc. 192,076, Nov. 26, 1924. Republished May 10.
Oleaginous material. Haas-Miller Corporation. 509,790, May 10; Serial No. 560,107, published Feb. 1, 1949.
Ovarian extract. The Maltine Company. 509,728-9, May 10; Serial Nos. 547,641-2, published Nov. 23, 1948.
Paste, Viscous light brown, self-emulsifiable lubricating. Haas-Miller Corporation. 509,780, May 10; Serial No. 560,103, published Jan. 18, 1949.
Perfume, cologne, bubble bath, etc. Wetherholt's Perfume Co. 442,647, May 10; Serial No. 490,728, published Feb. 1, 1949.
Perfumes, face creams, rouge. Societe Anonyme, Bienaime. 509,719, May 10; Serial No. 547,161, published Jan. 18, 1949.
Perfumes, toilet water, cologne, etc. Benard & Honnorat. 509,753, May 10; Serial No. 551,357, published Nov. 30, 1948.
Perfumes, toilet waters, rouge, etc. Les Parfums Norante, Societe A Responsabilite Limitee. 509,581, May 10; Serial No. 528,494, published Jan. 25, 1949.
Petroleum gases, Liquified. Green's Fuel, Inc. 509,780, May 10; Serial No. 558,850, published Jan. 18, 1949.
Petroleum gases, Liquefied, and tanks filled with such gas. Northwestern Blaugas Company. 329,309, Oct. 22, 1935. Republished May 10.
Pharmaceutical preparations. A. Palm. 509,766, May 10; Serial No. 554,147, published Jan. 18, 1949.
Powder, Face. The Guerlain Perfumery Corporation. 509,650, May 10; Serial No. 536,539, published Dec. 21, 1948.
Powder, Vaginal hygiene. Optimus Pharmaceuticals Co., Inc. 509,762, May 10; Serial No. 553,895, published Jan. 18, 1949.
Preparation for diabetes, asthma and a pile lotion. A. S. Sharpe. 509,619, May 10; Serial No. 535,088, published Dec. 28, 1948.
Preparation for the treatment of essential hypertension, arteriosclerosis, etc. Table Rock Laboratories, Inc. 509,572, May 10; Serial No. 527,428, published Nov. 23, 1948.
Preparation for the treatment of gout and rheumatism. E. Bejean. 509,709, May 10; Serial No. 545,045, published Jan. 25, 1949.
Preparation for use in the treatment of dyspepsia. A. E. Smith. 251,078, renewed Dec. 25, 1948. O. G. May 10.
Preparation in liquid form for external application in the treatment of skin diseases. J. E. Wilkinson, Jr. 240,812, Apr. 10, 1928. Republished May 10.
Preparation to be applied externally. R. E. Stallings. 323,886, May 7, 1935. Republished May 10.
Preparation to be applied to soil to bring earthworms to the surface. National Equipment Co., Inc. 442,675, May 10; Serial No. 518,774, published Feb. 1, 1949.
Preparations for the treatment of diseases peculiar to women. S. B. Leonardi & Co., Inc. 509,761, May 10; Serial No. 553,406, published Jan. 11, 1949.
Preparations for use as an expectorant. Hy-Pure Laboratories, Inc. 509,754, May 10; Serial No. 551,457, published Nov. 30, 1948.
Prophenpyramine. Schering Corporation. 509,760, May 10; Serial No. 553,134, published Jan. 11, 1949.
Protein, carbohydrate preparation. Sharp & Dohme, Incorporated. 509,741-2, May 10; Serial Nos. 550,176-7, published Jan. 13, 1949.
Proteinic preparation. Sharp & Dohme, Incorporated. 509,785, May 10; Serial No. 559,737, published Jan. 18, 1949.
Remedy for diarrhea, indigestion, cholera infantum, etc. Merrick Medicine Co. 74,560, re-renewed July 20, 1949. O. G. May 10.

Repellants, Insect. W. F. Wilhelm. 509,743, May 10; Serial No. 550,190, published Jan. 13, 1949.
Rouge and lipstick. R. Hudnut. 442,685, May 10; Serial No. 523,778, published Dec. 28, 1948.
Salts: Water softener, deodorant and sewage disposal chemicals, pipe solvent; air driers, etc. Sears, Roebuck and Co. 509,746, May 10; Serial No. 550,443, published Feb. 1, 1949.
Salve. R. E. Martinez. 509,553, May 10; Serial No. 513,628, published Jan. 25, 1949.
Salve, Healing. Anthony Smith and Company. 442,676, May 10; Serial No. 518,986, published Dec. 21, 1948.
Shampoo. Bonne Bell, Inc. 509,671, May 10; Serial No. 540,026, published Feb. 1, 1949.
Shields or pads, Adhesive medicated. The Scholl Manufacturing Company. 167,379, May 1, 1923. Republished May 10.
Silicate of soda. Philadelphia Quartz Company. 509,700–1, May 10; Serial Nos. 544,502–3, published Jan. 11, 1949.
Sizing for paper and textiles. Monsanto Chemical Company. 509,731, May 10; Serial No. 547,863, published Jan. 4, 1949.
Sodium paraaminophenylarsonates. H. S. Wellcome. 73,155, re-renewed Mar. 23, 1949. O. G. May 10.
Specially prepared milk modifier and dietetic product. Mead Johnson & Company. 509,556–7, May 10; Serial Nos. 516,613–14, published Jan. 18, 1949.
Specific preparations designed for the oral treatment of those symptons such as rhinitis, sinusitis, urticaria, etc. Dalare Associates. 509,794, May 10; Serial No. 564,022, published Jan. 25, 1949.
Sulfuric acid solutions, Aqueous. Allied Chemical & Dye Corporation. 509,770, May 10; Serial No. 554,460, published Jan. 18, 1949.
Tablet, Medicated and perfumed foot-bath. Scholl Manufacturing Company, Inc. 197,403, Apr. 14, 1925. Republished May 10.
Tape or oxide of zinc, Adhesive; alum; ammonia, etc. The Styron-Beggs Company. 387,972, June 10, 1941. Republished May 10.
Toilet water, bath oil, cologne, etc. Harriet Hubbard Ayer, Inc. 509,680, May 10; Serial No. 542,209, published Jan. 11, 1949.
Toilet waters, dusting powder, etc. Charles of the Ritz, Inc. 424,697, Oct. 22, 1946. New certificate. O. G. May 10.
Tonic, Hair. Joequim Rodrigues. 509,611, May 10; Serial No. 533,677, published Dec. 28, 1948.
Tooth paste. The Bon Ami Company. 297,071, Aug. 30, 1932. Republished May 10.
Tooth paste. The Bon Ami Company. 297,182, Sept. 6, 1932. Republished May 10.
Veterinary antiseptic. Cutter Laboratories. 509,796, May 10; Serial No. 564,061, published Jan. 18, 1949.
Veterinary preparations in tablet, liquid and powdered form. L. A. Mosher Company. 509,638, May 10; Serial No. 537,217, published Jan. 18, 1949.
Vitamin concentrates. The Stuart Company. 509,674, May 10; Serial No. 540,337, published Jan. 4, 1949.
Wax derived from petroleum. The C. P. Hall Company. 509,585, May 10; Serial No. 528,790, published Jan. 25, 1949.
Zinc oxide. The New Jersey Zinc Company. 509,771, May 10; Serial No. 554,690, published Jan. 18, 1949.

CLASS 8

Necklaces and bracelets, finger rings, earrings, etc. Cohn & Rosenberger, Inc. 378,425, June 11, 1940. Republished May 10.
Necklaces, bracelets, earrings, etc. Coro, Inc. 407,960, July 11, 1944. Republished May 10.

CLASS 9

Cartridges and shotgun shells. Federal Cartridge Corporation. 509,767, May 10; Serial No. 554,221, published Feb. 1, 1949.
Dynamite and gelatinised powder. E. I. du Pont de Nemours Powder Company. 74,364, re-renewed July 6, 1949. O. G. May 10.
Matches. The Ohio Match Company. 509,704–5, May 10; Serial Nos. 544,667–8, published Jan. 11, 1949.
Pistols. Colt's Patent Fire Arms Manufacturing Company. 32,536, re-renewed Feb. 21, 1949. O. G. May 10.
Rifles, Sporting and target, cartridge loading tools, etc. V. Gipson. 509,635, May 10; Serial No. 536,892, published Dec. 7, 1948.
Shotgun and rifle recoil pads. Jostam Manufacturing Co. 509,618, May 10; Serial No. 535,044, published Dec. 14, 1948.
Signalling and life-saving apparatus and parts thereof, fire alarms and pyrotechnic articles, etc. The Schermuly Pistol Rocket Apparatus Limited. 442,663, May 10; Serial No. 511,422, published Dec. 14, 1948.

CLASS 10

Expanded perlite. Dant & Russell, Inc. 509,665, May 10; Serial No. 539,669, published Feb. 1, 1949.
Fertiliser. The Stadler Products Company. 509,812, May 10; Serial No. 533,937, published Jan. 18, 1949.
Fertiliser. Tennessee Corporation. 509,736, May 10; Serial No. 549,193, published Aug. 24, 1948.
Fertiliser, Mineral. Saratoga Laboratories Inc. 509,782, May 10; Serial No. 558,314, published Nov. 30, 1948.
Fertilizer, Super phosphate. Stauffer Chemical Company. 509,769, May 10; Serial No. 554,435, published Jan. 18, 1949.
Fertilizers. Armour and Company. 509,577, May 10; Serial No. 528,420, published Dec. 28, 1948.
Fertilizers. G. Calbeck. 509,755, May 10; Serial No. 551,852, published Feb. 1, 1949.
Fertilizers. Darling and Company. 509,582, May 10; Serial No. 528,558, published Nov. 30, 1948.
Fertilizers. Eastern States Farmers' Exchange. 509,750, May 10; Serial No. 551,253, published Feb. 1, 1949.
Fertilizers. Eastern States Farmers' Exchange. 509,752, May 10; Serial No. 551,260, published Dec. 14, 1948.
Fertilizers, Chemical. The Consolidated Mining and Smelting Company of Canada Limited. 509,595, May 10; Serial No. 531,314, published Jan. 11, 1949.
Mineral fertiliser ingredients. Scientific Soil Improvements Corp. 509,647, May 10; Serial No. 538,316, published Jan. 11, 1949.
Plant food, bone meal, dehydrated manure, etc. A. H. Hoffman, Inc. 509,626, May 10; Serial No. 536,263, published Feb. 1, 1949.

CLASS 11

Ink, Printing. Sun Chemical Corporation. 509,721–2, May 10; Serial Nos. 547,175–6, published Jan. 18, 1949.
Ink, Printing. Sun Chemical Corporation. 509,723–4, May 10; Serial No. 547,184–5, published Jan. 18, 1949.
Ink, Printing. Sun Chemical Corporation. 509,725, May 10; Serial No. 547,188, published Jan. 18, 1949.
Ink rolls. Markem Machine Company. 509,763, May 10; Serial No. 553,987, published Jan. 18, 1949.
Pigment colors used in the manufacture of ink. Sun Chemical Corporation. 509,720, May 10; Serial No. 547,169, published Jan. 18, 1949.
Pigments for use in coloring inks. Reichhold Chemicals, Inc. 509,772, May 10; Serial No. 554,705, published Jan. 18, 1949.

CLASS 12

Casement window units. The Casement Hardware Company. 509,693, May 10; Serial No. 543,884, published Jan. 11, 1949.
Concrete, Sacks of. Sackrete, Inc. 373,104, Nov. 28, 1939. Republished May 10.
Dwellings, cottages, bungalows, tourist cabins, etc., Complete and sectional pre-built. Warren Portahome Company, Inc. 509,654, May 10; Serial No. 538,687, published Jan. 11, 1949.
Flooring structures, Reenforced concrete. Irving Iron Works Company. 252,098–9, Jan. 22, 1929. Republished May 10.
Gratings, Metal. Irving Iron Works Company. 252,100, Jan. 22, 1929. Republished May 10.
Paint, Flat wall, four-hour enamel, automobile enamel, etc. Red Spot Paint & Varnish Co., Inc. 312,099, Apr. 17, 1934. Republished May 10.
Paints, Dry and ready-mixed, fillers for wood, paint and varnish remover, etc. Red Spot Paint & Varnish Co. 249,840, Nov. 20, 1928. Republished May 10.

CLASS 13

Bolts, Boiler stay, track frog and switch bolts and nuts, etc. Flannery Bolt Company. 161,468, Nov. 14, 1922. Republished May 10.
Catches, upholstery nails, end clips, etc. North & Judd Manufacturing Company. 242,829–30, June 5, 1928. Republished May 10.
Tubing, Metal. Wolverine Tube Company. 250,433, Dec. 11, 1928. Republished May 10.
Utensils made of a base metal, Cooking. Craftmaster Products Corporation. 427,267, Feb. 4, 1947. Canceled. O. G. May 10.

CLASS 14

Alloys, Age-hardenable, corrosion-resistant, high-nickel. The International Nickel Company, Inc. 509,776, May 10; Serial No. 555,676, published Jan. 11, 1949.
Alloys, High temperature. Westinghouse Electric Corporation. 442,673, May 10; Serial No. 517,940, published Jan. 18, 1949.
Alloys, Metal. The Duraloy Company. 442,650, May 10; Serial No. 493,951, published Mar. 16, 1948.
Aluminum and aluminum alloys. American Chemical Paint Company. 509,686, May 10; Serial No. 542,901, published Feb. 1, 1949.
Cast iron metal molds and cast iron metal mold accessories. Vulcan Mold & Iron Company. 509,637, May 10; Serial No. 537,108, published Feb. 1, 1949.
Castings, Metal. American Car and Foundry Company. 509,775, May 10; Serial No. 555,646, published Feb. 1, 1949.
Castings, Metal. Budda Aero Castings, Incorporated. 442,648, May 10; Serial No. 491,311, published Jan. 18, 1949.
Metals, Ferrous alloy. Shofner Iron and Steel Works. 509,778, May 10; Serial No. 557,781, published Feb. 1, 1949.
Metals, Soldering. Multicore Solders Limited. 509,539, May 10; Serial No. 493,207, published Feb. 1, 1949.
Printers' type, galley locks, and type tie-ups. The Riehl Galley Lock Company. 509,548, May 10; Serial No. 507,077, published Feb. 1, 1949.

Rods, Coated metal welding. American Brake Shoe Company. 509,606, May 10; Serial No. 533,255, published Feb. 1, 1949.
Rods, Wire hot rolled, hoops and bands, and sheets of steel. Soulé Steel Company. 509,773, May 10; Serial No. 554,822, published Jan. 11, 1949.
Steel, Rolled sheet. Wheeling Steel Corporation. 257,859, June 18, 1929. Republished May 10.
Welding wire and metallic welding electrodes. The Lincoln Electric Company. 509,777, May 10; Serial No. 557,050, published Jan. 18, 1949.

CLASS 15

Greases, Mineral. Panama Lubricants Company. 151,203, Jan. 24, 1922. Republished May 10.

CLASS 16

Cleaning and polishing liquid. Liquid Veneer Corporation. 263,984, Nov. 12, 1929. Republished May 10.
Colors, Artists' and artists' varnishes. George Rowney & Co. 80,466, Dec. 27, 1910. Republished May 10.
Enamels and varnishes, Automobile, furniture, and metal. Nu-Enamel Corporation. 323,079, Apr. 2, 1935. Republished May 10.
Finish in the nature of a cleaner and polish, Bowling alley. The Brunswick-Balke-Collender Company. 411,139, Jan. 2, 1945. Republished May 10.
Paint, Flat wall, four-hour enamel, automobile enamel, etc. Red Spot Paint & Varnish Co., Inc. 312,099, Apr. 17, 1934. Republished May 10.
Paint, Ready-mixed. Patek Brothers, Inc. 258,655, renewed July 9, 1949. O. G. May 10.
Paint, Ready-mixed asphalt. Red Spot Paint & Varnish Co., Inc. 249,975, Nov. 27, 1928. Republished May 10.
Paints, Dry and ready-mixed, fillers for wood, paint and varnish remover, etc. Red Spot Paint & Varnish Co. 249,840, Nov. 20, 1928. Republished May 10.
Paints, Enamel. Keystone Varnish Company. 259,497, renewed July 30, 1949. O. G. May 10.
Paints, Plastic. John McQuade & Co., Inc. 420,603, Apr. 23, 1946. Republished May 10.
Paints, Ready-mixed. Alfred Hague & Company, Inc. 252,902, renewed Feb. 19, 1949. O. G. May 10.
Polish. Liquid Veneer Corporation. 307,543, Oct. 31, 1933. Republished May 10.
Polish, Automobile, furniture polish, etc. The American Oil Company. 436,013–16, Jan. 20, 1948. Canceled. O. G. May 10.
Solvent, Lacquer. H. E. Stone. 258,625, renewed July 9, 1949. O. G. May 10.
Solvent used for thinning purposes. Pacific Distillers, Inc. 354,086, Feb. 1, 1938. Republished May 10.
Varnish. Red Spot Paint & Varnish Co. 323,072, Apr. 2, 1935. Republished May 10.

CLASS 17

Cigars. Grabosky Bros., Inc. 414,588, June 10, 1945. Republished May 10.
Cigars. L. B. Grabosky. 286,824–5, Sept. 8, 1931. Republished May 10.
Cigars. R. G. Sullivan. 153,326, Mar. 14, 1922. Republished May 10.
Cigars. The B. F. Topper Cigar Company. 509,575, May 10; Serial No. 727,796, published Jan. 18, 1949.
Cigars and smoking tobacco. S. S. Pierce Co. 257,032, renewed May 28, 1949. O. G. May 10.
Tobacco, Smoking. John Cotton, Limited. 249,294, Nov. 13, 1928. Republished May 10.
Tobacco, Smoking. G. S. Mann. 71,941. Re-renewed Dec. 22, 1948. O. G. May 10.

CLASS 19

Air deflector. Blake Manufacturing Co. 509,758, May 10; Serial No. 552,632, published Oct. 5, 1948.
Automobiles and automobile trailers. Empire Tractor Corporation. 442,657, May 10; Serial No. 506,994, published Jan. 11, 1949.
Automobiles, Passenger. Kaiser-Frazer Corporation. 442,656, May 10; Serial No. 505,590, published Jan. 25, 1949.
Baby carriages, baby strollers. W. P. Kuonl. 509,730, May 10; Serial No. 547,736, published Jan. 4, 1949.
Boats, Inflatable and inflatable floats. New York Rubber Corporation. 442,690–1, May 10; Serial Nos. 524,714–15, published Jan. 4, 1949.
Boats, Motor. Higgins Industries, Inc. 420,027, Mar. 19, 1946. Republished May 10.
Boats, Shallow draft motor. Higgins Industries, Inc. 405,601, Feb. 8, 1944. Republished May 10.
Boats, Surf landing motor. Higgins Industries, Inc. 405,300, Jan. 18, 1944. Republished May 10.
Brake, Horizontal wheel high power hand drop type high power hand brake, vertical wheel high power hand brake, etc. 509,541, May 10; Serial No. 496,528, published Jan. 11, 1949.
Cars, Railway freight and passenger. Union Pacific Railroad Company. 32,036, Oct. 4, 1898. Republished May 10.
Control handles for aircraft, and control wheels. Guardian Electric Manufacturing Co. 401,353. May 11, 1943. Republished May 10.

Covers, Automobile seat. Ben Federman Motor Sales Corporation. 509,718. May 10; Serial No. 547,106, published Jan. 11, 1949.
Covers, Automobile seat. Gloster Products, Inc. 442,664, May 10; Serial No. 511,466, published Jan. 4, 1949.
Motorcycles. J. N. Gladden. 438,384, Apr. 20, 1948. Republished May 10.
Motorcycles and constructive parts thereof. Indian Motorcycle Company. 509,706, May 10; Serial No. 545,002, published Jan. 11, 1949.
Rear-view automobile mirrors. Whitehead Stamping Company. 509,662, May 10; Serial No. 539,249, published Jan. 4, 1949.
Row boats, motor boats, sail boats, etc. A. R. Harmon. 442,683, May 10; Serial No. 523,263, published Jan. 4, 1949.
Seat cushions, Built-in. United States Rubber Company. 509,732, May 10; Serial No. 548,200, published Jan. 4, 1949.
Shock absorbers. Cle-Draulic Company. 442,665, May 10; Serial No. 513,028, published Jan. 4, 1949.
Shock absorbers. Cle-Draulic Company. 442,666, May 10; Serial No. 513,388, published Jan. 4, 1949.
Spokes and nipples for wheels of cycle vehicles, pedals, handle bars, etc. The Torrington Company. 509,711, May 10; Serial No. 546,071, published Jan. 4, 1949.
Trailers. Reliance Trailer & Truck Co. Inc. 140,527, Mar. 13, 1921. Republished May 10.
Trailers, Camping and housing. The Karriall Company. 442,653, May 10; Serial No. 499,050, published Jan. 25, 1949.
Trailers, Hydraulic lift. Coeur & Hallock Mfg. Co. 509,708, May 10; Serial No. 545,238, published Jan. 4, 1949.
Trucks, Automotive. Six Wheels, Inc. 442,664, May 10; Serial No. 465,901, published Dec. 23, 1947.
Windshield wipers. C. A. Sprague. 442,654, May 10; Serial No. 499,442, published Jan. 11, 1949.

CLASS 21

Apparatus for controlling the electrification of fences, and parts therefor. Landon P. Smith, Inc. 378,302, June 4, 1940. Republished May 10.
Batteries, Automobile, automobile battery cables, etc. The American Oil Company. 433,124–5, Sept. 23, 1947. Canceled. O. G. May 10.
Batteries, Automobile, automobile battery cables, etc. The American Oil Company. 433,513, Oct. 14, 1947. Canceled. O. G. May 10.
Batteries, Automobile, automobile battery cables, etc. The American Oil Company. 434,051, Nov. 4, 1947. Canceled. O. G. May 10.
Condensers, Electric. Sprague Specialties Company. 277,908, Dec. 2, 1930. Republished May 10.
Condensers, Electrical. Sprague Specialties Company. 402,614, Aug. 3, 1943. Republished May 10.
Condensers, Electrical. Sprague Specialties Company. 405,510, Feb. 1, 1944. Republished May 10.
Conductors, Electrical. Sprague Specialties Company. 404,943, Dec. 28, 1943. Republished May 10.
Conductors, Insulated electrical. The Acme Wire Company. 72,678, re-renewed Feb. 9, 1949. O. G. May 10.
Contactors, Solenoid, radio relays, electric circuit adapter plugs, etc. Guardian Electric Manufacturing Co. 400,523, Mar. 16, 1943. Republished May 10.
Control equipment, Electrical. Guardian Electric Manufacturing Co. 349,228, Aug. 24, 1937. Republished May 10.
Control handles for aircraft and control wheels. Guardian Electric Manufacturing Co. 401,353, May 11, 1943. Republished May 10.
Electric switch-boards and switches, electric-arc lamps, sockets and receptacles. Crouse-Hinds Company. 71,092, re-renewed Dec. 29, 1948. O. G. May 10.
Insulation, Electrical. Sprague Electric Company. 420,203, Apr. 2, 1940. Republished May 10.
Lamps, Electric. North American Electric Lamp Company. 368,723, June 27, 1939. Republished May 10.
Switches, Electrical. N. B. Birge. 436,635, Feb. 17, 1948. Republished May 10.
Timers, Electric. Electromaster, Inc. 435,655, Jan. 6, 1948. Canceled. O. G. May 10.

CLASS 22

Artificial fishing lure. The Creek Chub Bait Company. 509,808, May 10; Serial No. 531,444.
Billiard balls. The Brunswick-Balke-Collender Company. 261,840, Sept. 24, 1929. Republished May 10.
Billiard cue tips. The Brunswick-Balke-Collender Company. 296,835, Aug. 23, 1932. Republished May 10.
Dolls. E. J. Herte. 347,106, June 15, 1937. Canceled. O. G. May 10.
Fishing lines. United States Whip Company. 217,440, Aug. 31, 1926. Republished May 10.
Fishing spoons. The Paul Bunyan Bait Company. 421,828, June 18, 1946. Republished May 10.
Pop guns, air rifles, toy airplanes, etc. All Metal Products Company. 286,966, Sept. 8, 1931. Republished May 10.

CLASS 23

Apparatus for washing mechanical parts. Practical Products Company. 438,776, May 11, 1948. Republished May 10.

Automatic ice cream cone machines and parts therefor. Sugar Shell Corporation. 442,674, May 10; Serial No. 515,704, published Jan. 18, 1949.
Beverage vending machines. Rudd-Melikian, Inc. 509,559, May 10; Serial No. 517,168, published Jan. 18, 1949.
Blades, Razor. Unsinger-A P Corporation. 442,660, May 10; Serial No. 510,123, published May 6, 1947.
Carburetors. Automotive Utilities, Inc. 509,658, May 10; Serial No. 538,707, published Jan. 25, 1949.
Cartridges, Oil filter. The American Oil Company. 436,360, Feb. 3, 1948. Canceled. O. G. May 10.
Cartridges, Oil filter. The American Oil Company. 436,363, Feb. 3, 1948. Canceled. O. G. May 10.
Cartridges, Oil filter. The American Oil Company. 437,476, Mar. 23, 1948. Canceled. O. G. May 10.
Cartridges, Oil filter. The American Oil Company. 437,469, Mar. 23, 1948. Canceled. O. G. May 10.
Conveyors and driers for processing leather tanners, pasting plates, etc. Special Equipment Company. 329,598, Nov. 5, 1935. Republished May 10.
Couplings, Shaft. Charles Bond Company. 509,623–4, May 10; Serial Nos. 536,039–40, published Jan. 18, 1949.
Emery-wheel dressers, diamond turning and boring tools, cutting-off tools, etc. Standard Diamond Tool Corporation. 259,416, renewed July 30, 1949. O. G. May 10.
Engines, Internal combustion, and structural parts thereof. The Cushman Motor Works. 362,712, Nov. 29, 1938. Republished May 10.
Equipment, Diesel engine. Aircraft & Diesel Equipment Corporation. 509,601, May 10; Serial No. 531,876, published Feb. 1, 1949.
Fire alarms, Portable, mechanically operated. Models & Patents Corporations. 442,689, May 10; Serial No. 524,555, published Jan. 18, 1949.
Gears, Automotive, automotive axle shafts, automotive transmissions, etc. National Automotive Parts Association. 389,980, Sept. 2, 1941. Republished May 10.
Hay balers. Minneapolis-Moline Power Implement Company. 509,561, May 10; Serial No. 518,773, published Feb. 1, 1949.
Hoes, shovels, and axes. Rector Trading Corporation. 509,660. May 10; Serial No. 539,211, published Jan. 25, 1949.
Looms and parts thereof. Crompton & Knowles Loom Works. 509,579–80, May 10; Serial Nos. 528,432–3, published Feb. 1, 1949.
Machine for feeding stationery through an addressing machine. Uarco Incorporated. 509,605, May 10; Serial No. 532,768, published Feb. 1, 1949.
Machine for mixing and spraying liquid soap and water. Sinclair Refining Company. 257,959, renewed June 25, 1949. O. G. May 10.
Machinery for cutting or trimming parts of boots or shoes, etc. United Shoe Machinery Company. 72,304, renewed Jan. 12, 1949. O. G. May 10.
Machines, Agricultural. Allis-Chalmers Manufacturing Company. 509,617, May 10; Serial No. 534,717, published Feb. 1, 1949.
Machines, parts for such machines, collapsible cores, etc. Ralphs-Pugh Company, Inc. 509,599, May 10; Serial No. 531,717, published Feb. 1, 1949.
Machines, Pencil sharpening, and replaceable cutters. J. R. Kramer Manufacturing Company. 509,620, May 10; Serial No. 535,329, published Jan. 18, 1949.
Motors, Outboard. Johnson Motor Company. 259,154, renewed July 23, 1949. O. G. May 10.
Pasteurizers, Industrial plant. American Machinery Corporation. 509,546, May 10; Serial No. 502,679, published Jan. 18, 1949.
Plow shares and cultivator shovels. Deere & Company. 509,589, May 10; Serial No. 530,178, published Jan. 18, 1949.
Pumps, Dredging, and dredging machinery. Ellicott Machine Corporation. 264,337, Nov. 26, 1929. Republished May 10.
Pumps, Forest-fire. Pacific Marine Supply Company. 234,938, Nov. 8, 1927. Republished May 10.
Pumps, Regulated flow type fluid dispensing. Gilbert & Barker Manufacturing Company. 442,672, May 10; Serial No. 517,475, published Jan. 18, 1949.
Radiator type oil coolant-regulators, radiator type heat exchange units, etc. The Garrett Corporation. 509,534, May 10; Serial No. 476,905, published Jan. 25, 1949.
Ring gears and pinions, pressure plates, timing chains, etc. Perfection Gear Company. 509,607, May 10; Serial No. 533,047, published Feb. 1, 1949.
Saws. Simonds Manufacturing Company. 139,884, Feb. 22, 1921. Amended. O. G. May 10.
Saws. Simonds Saw and Steel Company. 264,872, Dec. 10, 1929. Amended. O. G. May 10.
Screw-drivers, pinking-tools, treeing-irons, etc. United Shoe Machinery Company. 72,305, re-renewed Jan. 12, 1949. O. G. May 10.
Shovels, picks, hoes, Metal, etc. Edward Elwell Ltd. 227,072, Apr. 26, 1947. Republished May 10.
Spades, Ditching, shovels, furnace scoops, etc. Western Auto Supply Company. 509,631, May 10; Serial No. 536,566, published Jan. 18, 1949.
Tools, Tire. Hewitt's Incorporated. 509,591, May 10; Serial No. 530,310, published Jan. 18, 1949.
Tractors and parts thereof. International Harvester Company. 509,632, May 10; Serial No. 536,694, published Jan. 18, 1949.
Wrenches and twisting tool sets. Blackhawk Mfg. Co. 509,634, May 10; Serial No. 542,433, published Jan. 25, 1949.

CLASS 24

Ironing tables, Folding. Saginaw Manufacturing Co. 255,755, renewed Apr. 30, 1949. O. G. May 10.

CLASS 26

Device to limit the temperature of the air in the casing of a warm-air furnace. Minneapolis-Honeywell Regulator Company. 250,706, renewed Dec. 11, 1949. O. G. May 10.
Frames and parts therefor, Eyeglass and spectacle. A. Kono. 372,939, Nov. 21, 1939. Republished May 10.
Frames and parts therefor, Eyeglass and spectacle. A. Kono. 411,523, Jan. 23, 1945. Republished May 10.
Frames and parts therefor, Eyeglass and spectacle. The Kono Manufacturing Company. 409,185. Sept. 19, 1944. Republished May 10.
Frames and parts therefor, Eyeglass and spectacle. The Kono Manufacturing Company. 414,325, June 5, 1945. Republished May 10.
Frames and parts therefor, Eyeglass and spectacle. The Kono Manufacturing Company. 428,186, Mar. 11, 1947. republished May 10.
Frames and parts therefor, Eyeglass and spectacle. The Kono Manufacturing Company. 428,529, Mar. 25, 1947. Republished May 10.
Gauge, Electronic limit comparator. Pollak Manufacturing Company. 435,854, Jan. 13, 1948. Republished May 10.
Gauges, Liquid level. W. S. Krueger. 437,989, Apr. 6, 1948. Republished May 10.
Glasses and parts therefor, Sun. The Kono Manufacturing Company. 416,919, Oct. 2, 1945. Republished May 10.

CLASS 27

Clocks. William L. Gilbert Clock Company. 243,854, July 3, 1928. Republished May 10.
Clocks. William L. Gilbert Clock Company. 246,726, Sept. 11, 1928. Republished May 10.
Clocks, Alarm. Kats Drug Company. 398,241, Oct. 20, 1942. Republished May 10.
Watches and parts thereof. Manufacture des Montres Niton S. A. 253,664, renewed Mar. 5, 1949. O. G. May 10.
Watches, Open-face and hunting-case wrist, and pocket watches. Olsen & Ebann. 187,774, Aug. 12, 1924. Republished May 10.

CLASS 28

Badges, Gold plated. Irons & Russell. 49,860, Feb. 20, 1906. Republished May 10.
Badges, Solid gold. Irons & Russell. 50,328, Mar. 13, 1906. Republished May 10.
Bracelets. Speidel Corporation. 437,795, Mar. 30, 1948. Republished May 10.
Jewelry. Irons & Russell Company. 362,290, Nov. 15, 1938. Republished May 10.
Necklaces and bracelets, finger rings, earrings, etc. Cohn & Rosenberger, Inc. 378,425, June 11, 1940. Republished May 10.
Necklaces, bracelets, earrings, etc. Coro, Inc. 407,909, July 11, 1944. Republished May 10.
Necklaces, bracelets, finger rings, etc. Coro, Inc. 428,993, Apr. 15, 1947. Republished May 10.
Pearls. A. C. Becken Co. 432,280, Aug. 26, 1947. Republished May 10.
Rings, Finger, brooches, etc. I. E. Landstrom. 428,039, Mar. 4, 1947. Canceled. O. G. May 10.

CLASS 29

Broome. Indianapolis Brush & Broom Mfg. Co. 163,091, Jan. 2, 1923. Corrected. O. G. May 10.
Brooms and brushes. Amsterdam Broom Co. 73,311. Renewed Apr. 13, 1949. O. G. May 10.

CLASS 32

Cabinets, Kitchen. Davis Millwork Company. 434,008, Nov. 4, 1947. Republished May 10.
Furniture, Upholstered. Chittenden & Eastman Company. 336,144, June 30, 1936. Republished May 10.
Mattresses and box springs. Chittenden & Eastman Company. 361,827, Oct. 11, 1938. Republished May 10.
Racks used for transporting shoes and shoe parts. United Shoe Machinery Corporation. 251,881, renewed Jan. 15, 1949. O. G. May 10.
Spring assemblies for upholstery and upholstery units. Nachman Spring Filled Corporation. 367,838, May 30, 1939. Republished May 10.
Spring units. Nachman Spring-Filled Corporation. 375,164, May 28, 1940. Republished May 10.
Spring units and supports. Nachman Spring-Filled Corporation. 409,785, Oct. 24, 1944. Republished May 10.
Tables, Wrought iron. The A. L. Smith Iron Works. 255,788, renewed Apr. 30, 1949. O. G. May 10.

CLASS 33

Plate glass. Pittsburgh Plate Glass Company. 247,212, Sept. 25, 1928. Republished May 10.
Sheet glass, Laminated. Pittsburgh Safety Glass Company. 244,656, July 24, 1928. Republished May 10.

CLASS 34

Device to limit the temperature of the air in the casing of a warm-air furnace. Minneapolis-Honeywell Regulator Company. 250,607, renewed Dec. 11, 1948. O. G. May 10.
Incinerators, Domestic garbage and refuse. Home Incinerator Company. 251,932, Jan. 22, 1929. Republished May 10.
Incinerators, Domestic garbage and refuse. Home Incinerator Company. 253,306, Feb. 26, 1929. Republished May 10.

CLASS 35

Asbestos brake lining and clutch facings. Asbestos Manufacturing Company. 509,643, May 10; Serial No. 537,782, published Feb. 1, 1949.
Belting, Round leather. Western Rawhide & Belting Company. 509,795, May 10; Serial No. 564,032, published Feb. 1, 1949.
Brake lining, clutch facing, pump packing, etc. National Automotive Parts Association. 390,101, Sept. 9, 1941. Republished May 10.
Leather belting. Pfeil Bros. 509,648, May 10; Serial No. 538,445, published Feb. 1, 1949.
Leather packings. Horace G. Preston Company. 509,652, May 10; Serial No. 538,560, published Feb. 1, 1949.
Rings, Metal piston. The Simplex Piston Ring Company of America, Inc. 255,218, renewed Apr. 16, 1949. O. G. May 10.
Rings, Packing. Raybestos-Manhattan, Inc. 509,609, May 10; Serial No. 533,386, published Feb. 1, 1949.
Rings, Packing. Raybestos-Manhattan, Inc. 509,610, May 10; Serial No. 533,388, published Feb. 1, 1949.
Rings, Piston. Moog Industries, Inc. 509,594, May 10; Serial No. 531,046, published Feb. 1, 1949.
Rings, Piston. Perfect Circle Corporation. 509,642, May 10; Serial No. 537,615, published Feb. 1, 1949.
Tires, Automobile, automobile tubes, etc. The American Oil Company. 434,424–5, Nov. 18, 1947. Canceled. O. G. May 10.
Tires, Automobile, automobile tubes, etc. The American Oil Company. 434,436, Nov. 18, 1947. Canceled. O. G. May 10.
Tires, Automobile, automobile tubes, etc. The American Oil Company. 435,708, Jan. 6, 1948. Canceled. O. G. May 10.
Tires, Pneumatic. The B. F. Goodrich Company. 442,677, May 10; Serial No. 519,748, published Feb. 1, 1949.
Tires, Pneumatic, and air tubes. Manufacture de Caoutchouc Michelin (Puiseux, Boulanger et Cie.). 509,781, May 10; Serial No. 558,799, published Feb. 1, 1949.
Transmission belting. Slip-Not Belting Corporation. 509,793, May 10; Serial No. 562,410, published Feb. 1, 1949.

CLASS 36

Banjos, banjo ukuleles, banjo mandolins, etc. W. L. Lange. 243,852, July 3, 1928. Republished May 10.
Records, Phonograph. Radiotone, Inc. 439,484, June 29, 1948. Canceled. O. G. May 10.

CLASS 37

Binders, Loose leaf. National Blank Book Company. 509,710, May 10; Serial No. 546,013, published Jan. 4, 1949.
Combination paper clip and portable backer for writing paper. Bickley Manufacturing Co. 509,613, May 10; Serial No. 533,980, published Jan. 11, 1949.
Crayons and lead and slate pencils. Binney & Smith Co. 74,009, re-renewed June 8, 1949. O. G. May 10.
Crayons, slate pencils, and chalk. Binney & Smith Co. 253,002, renewed Feb. 19, 1949. O. G. May 10.
Envelopes, Correspondence and mailing. Curtis 1000 Inc. 509,614, May 10; Serial No. 534,001, published Jan. 18, 1949.
Envelopes, Filing. Curtis 1000 Inc. 509,615, May 10; Serial No. 534,002, published Jan. 18, 1949.
Envelopes, letterheads, billheads, etc. Gaw-O'Hara Envelope Co. 246,866, Sept. 18, 1928. Republished May 10.
Envelopes, Mailing. Quality Park Envelope Company. 509,737, May 10; Serial No. 549,334, published Jan. 4, 1949.
Envelopes, Mailing and correspondence. Curtis 1000 Inc. 509,616, May 10; Serial No. 534,003, published Jan. 18, 1949.
Erasers, Rubber, rubber bands, lead pencils, etc. Eberhard Faber Pencil Company. 509,702, May 10; Serial No. 544,555, published Jan. 4, 1949.
Files, Paper, cloth, and cardboard, and mounts for photographic negatives, metal tabs for file guides, etc. Amberg File and Index Company. 509,603, May 10; Serial No. 532,536, published Jan. 4, 1949.
Filing supplies. Keller & Smith Co., Inc. 442,679, May 10; Serial No. 520,631, published Jan. 4, 1949.
Guides, Composite, for card filing equipment. Diebold, Incorporated. 509,592, May 10; Serial No. 530,390, published Jan. 18, 1949.
Gummed cloth photo hinges. Mounties, Inc. 509,641, May 10; Serial No. 537,607, published Jan. 11, 1949.
Hand rests, used as a support for the hand when writing. A. L. Griffin. 442,651, May 10; Serial No. 498,138, published Jan. 11, 1949.
Laminated sheet material. Dayton Laminating Company. 509,564, May 10; Serial No. 520,934, published Jan. 18, 1949.
Lead-pencils. Styles & Cash. 70,678, Sept. 22, 1908. Republished May 10.
Paper. Hollingsworth & Vose Company. 254,707, renewed May 10, 1949. O. G. May 10.
Paper. Rushmore Paper Mills Inc. 310,733, Mar. 6, 1934. Republished May 10.
Paper, Blotting. Rochester Paper Company. 509,566, May 10; Serial No. 521,288, published Jan. 18, 1949.
Paper, Bond, ledger, writing, map, etc., boxed stationery, tablets, etc. Neenah Paper Company. 509,600, May 10; Serial No. 543,316, published Jan. 11, 1949.
Paper, Butchers' wrapping. International Paper Company. 509,547, May 10; Serial No. 505,586, published Feb. 1, 1949.
Paper, Coated and waterproofed. Joanna Western Mills Company. 509,633, May 10; Serial No. 536,816, published Jan. 18, 1949.
Paper, Loose-leaf filler, envelopes, paper stationery. Write Right Manufacturing Company. 436,611, Feb. 17, 1948. Republished May 10.
Paper tablets. Western Tablet & Stationery Corporation. 442,695, May 10; Serial No. 526,059, published Jan. 11, 1949.
Paper, Toilet tissue. Wortendyke Manufacturing Company. 509,672, May 10; Serial No. 540,131, published Jan. 4, 1949.
Paper, Tracing, tracing-cloth, lead pencils, etc. George Rowney & Co. 80,954, Feb. 14, 1911. Republished May 10.
Paper, Typewriting, printing paper and envelopes. Majestic Paper Corporation. 509,677, May 10; Serial No. 540,689, published Jan. 11, 1949.
Paper, Wall. Pan-American Wall Paper & Paint Company. 509,536, May 10; Serial No. 481,902, published Jan. 11, 1949.
Paper, Wrapping, envelope and converting. Hollingsworth & Whitney Company. 509,630, May 10; Serial No. 536,394, published Jan. 18, 1949.
Paper, Writing, label stock, and converting paper. Hollingsworth & Whitney Company. 509,627, May 10; Serial No. 536,388, published Jan. 18, 1949.
Paper, Writing, printing paper, offset paper, etc. The Sorg Paper Company. 442,694, May 10; Serial No. 525,963, published Jan. 11, 1949.
Paper, Writing, typewriter and printing. Valley Paper Company. 509,573, May 10; Serial No. 527,510, published Jan. 4, 1949.
Paper, Writing, typewriter and printing. Valley Paper Company. 509,574, May 10; Serial No. 527,673, published Jan. 4, 1949.
Paper, Writing, typewriter and printing. Valley Paper Company. 509,576, May 10; Serial No. 527,856, published Jan. 4, 1949.
Papers, Bond, bristol board, glassine, etc. Central National Corporation. 509,713–14, May 10; Serial Nos. 546,463–6, published Jan. 4, 1949.
Papers, Bristol board, tissue and wrapping. Detroit Sulphite Pulp and Paper Company. 509,596, May 10; Serial No. 531,450, published Jan. 25, 1949.
Papers, Tag and converting. Hollingsworth & Whitney Company. 509,628, May 10; Serial No. 536,389, published Jan. 18, 1949.
Papers, Writing, ledger, bond manifold and duplicating, etc. The Reynolds Manufacturing Company. 509,593, May 10; Serial No. 530,959, published Jan. 11, 1949.
Pencils, Ink, and mechanical pencils. Eberhard Faber Pencil Company. 509,669, May 10; Serial No. 539,945, published Jan. 18, 1949.
Pencils, Mechanical. Brown & Bigelow. 509,562, May 10; Serial No. 519,459, published Jan. 25, 1949.
Pencils, Mechanical. B. A. Strauss. 442,662, May 10; Serial No. 510,738, published Jan. 4, 1949.
Pencils, Mechanical, and fountain pens. The Almo Sales Corporation. 509,675. May 10; Serial No. 540,608, published Jan. 18, 1949.
Pens, Fountain. Weston International Associates. 509,691, May 10; Serial No. 543,673, published Jan. 11, 1949.
Pens, Fountain, and writing pencils. Colonial Pen Corporation. 509,636, May 10; Serial No. 537,009, published Jan. 11, 1949.
Pens, Fountain, and writing pencils. Colonial Pen Corporation. 509,644–5 May 10; Serial Nos. 537,785–6, published Jan. 11, 1949.
Stationery. Chryson's, Inc. 250,846, renewed Dec. 18, 1948. O. G. May 10.
Tablets, Paper; account, data or order books, etc. Western Tablet & Stationery Corporation. 509,667, May 10; Serial No. 538,092, published Jan. 11, 1949.
Tablets, Paper, envelopes, and papeteries. Western Tablet & Stationery Corporation. 509,655, May 10; Serial No. 538,688, published Jan. 11, 1949.
Tablets, Paper; loose writing paper, etc. Western Tablet & Stationery Corporation. 509,656, May 10; Serial No. 538,689, published Jan. 11, 1949.
Tablets, papeteries and correspondence envelopes. S. H. Kress and Company. 509,683, May 10; Serial No. 542,412, published Feb. 1, 1949.
Tablets, Writing, notebooks, composition books, etc. D. & S. Tablet Company. 223,319, Feb. 1, 1927. Republished May 10.

Tag and converting papers. Hollingsworth & Whitney Company. 509,629, May 10; Serial No. 536,303, published Jan. 18, 1949.
Tissue in sheet form, cigarette tissue, airmail writing paper tissue. Standard Products Corporation. 442,658, May 10; Serial No. 507,494, published Jan. 4, 1940.
Tissues, Bathroom. San-Nap-Pak Manufacturing Co., Inc. 509,698, May 10; Serial No. 544,202, published Jan. 4, 1949.
Tissues, Cleansing. San-Nap-Pak Manufacturing Co., Inc. 509,697, May 10; Serial No. 544,201, published Jan. 4, 1949.

CLASS 38

Books, Completely printed. Alfred A. Knopf, Inc. 177,307, Dec. 18, 1923. Republished May 10.
Cards, Greeting, and printed greeting folders. Norcross, Inc. 442,680, May 10; Serial No. 523,852, published Jan. 18, 1949.
Cards, Greeting, wedding invitations, announcements. Chryson's Inc. 250,771, renewed Dec. 18, 1948. O. G. May 10.
Cartoon. B. F. Hammond. 249,400, renewed Nov. 13, 1948. O. G. May 10.
Cartoon, Newspaper. King Features Syndicate, Inc. 322,055, Feb. 26, 1935. Republished May 10.
Cartoon, Newspaper. King Features Syndicate, Inc. 382,073, Oct. 15, 1940. Republished May 10.
Cartoons or comic strips, Series of. Star Company. 140,220, Mar. 8, 1921. Republished May 10.
Columns, Newspaper. King Features Syndicate, Inc. 322,041, Mar. 26, 1935. Republished May 10.
Magazine. Dun & Bradstreet, Inc. 509,757, May 10; Serial No. 551,875, published Jan. 18, 1949.
Magazine. Sunset Magazine, Inc. 257,313, June 4, 1929. Republished May 10.
Magazine. Watchtower Bible and Tract Society, Inc. 509,681, May 10; Serial No. 542,377, published Jan. 18, 1949.
Magazine or periodical. International Magazine Company. 124,102, Jan. 14, 1919. Republished May 10.
Magazine or periodical. International Magazine Company, Inc. 192,880, Dec. 10, 1924. Republished May 10.
Magazine, printed charts, graphs, and tabulations. Dun & Bradstreet, Inc. 509,756, May 10; Serial No. 551,874, published Jan. 18, 1949.
Magazines. East Michigan Tourist Association. 442,692, May 10; Serial No. 524,958, published Jan. 25, 1940.
News messages, Printed, printed news dispatches. International News Service, Inc. 301,867, Mar. 21, 1933. Republished May 10.
Newspaper and magazine feature or column. The Register and Tribune Company. 509,666; May 10; Serial No. 539,738, published Jan. 25, 1949.
Newspaper section. King Features Syndicate, Inc. 190,650, Oct. 21, 1924. Republished May 10.
Newspaper section. King Features Syndicate, Inc. 299,331, Nov. 29, 1932. Republished May 10.
Newspaper section. Star Company. 105,615, Aug. 10, 1915. Republished May 10.
Periodical. Monthly. Fawcett Publications, Inc. 390,645, Sept. 30, 1941. Republished May 10.
Publication. Glass Industry Publishing Co., Inc. 142,269, May 10, 1921. Republished May 10.
Publication, Bi-monthly. Capper-Harman-Slocum, Inc. 509,578, May 10; Serial No. 528,429, published Jan. 18, 1949.
Publication, Bi-monthly. Capper-Harman-Slocum, Inc. 509,584, May 10; Serial No. 528,601, published Jan. 18, 1949.
Publication, Monthly. Ogden-Watney Publishers, Inc. 292,241, Mar. 8, 1932. Republished May 10.
Publication, Periodic. Binney & Smith Co. 253,398, renewed Feb. 26, 1949. O. G. May 10.
Publication, Periodical. Barker, Moore and Mein Co. 287,080, Sept. 15, 1931. Republished May 10.
Publication, Weekly. American Education Press, Inc. 241,416, Apr. 24, 1928. Republished May 10.
Publication, Weekly. American Education Press, Inc. 254,284, Mar. 19, 1929. Republished May 10.
Section in a monthly periodical. Ogden-Watney Publishers, Inc. 354,302–3, Feb. 8, 1938. Republished May 10.
Series of New York law digests and quarterly supplements. The Lawyers Co-operative Publishing Company. 245,807, renewed Aug. 21, 1948. O. G. May 10.
Title of a periodical. The Outdoor Life Publishing Company. 258,863, July 16, 1929. Amended. O. G. May 10.

CLASS 39

Boots and shoes, Leather. Heywood Boot & Shoe Company. 259,495, renewed July 30, 1949. O. G. May 10.
Coats, vests, pants, and overcoats, Men's. Fashion Park Incorporated. 258,433–4, renewed July 9, 1949. O. G. May 10.
Corsets and corset-waists. Julius Garfinkle. 72,276, Jan. 12, 1906. Republished May 10.
Dresses and dress ensembles, Ladies' and misses'. David Crystal, Inc. 378,764, June 18, 1940. Republished May 10.
Dresses and dress ensembles, Ladies' and misses'. David Crystal, Inc. 388,905, July 15, 1941. Republished May 10.
Dresses, and dress ensembles, Ladies' and misses'. David Crystal, Inc. 395,134, May 12, 1942. Republished May 10.
Dresses, and dress ensembles, Ladies' and misses'. David Crystal, Inc. 397,837, Sept. 22, 1942. Republished May 10.
Dresses, and dress ensembles, Ladies' and misses'. David Crystal, Inc. 404,730, Dec. 21, 1943. Republished May 10.
Dresses, coats, dress and jacket ensembles, Ladies' and misses', etc. David Crystal, Inc. 418,980, Jan. 15, 1946. Republished May 10.
Dresses, coats, suits, etc. Zimmerman Apparel Shop Inc. 290,306, Dec. 29, 1931. Republished May 10.
Dresses, dress ensembles, Ladies' and misses'. David Crystal, Inc. 396,712, July 28, 1942. Republished May 10.
Dresses, Ladies' and misses'. David Crystal, Inc. 367,848, May 30, 1939. Republished May 10.
Garters. Hewes & Potter. 130,314, Apr. 20, 1920. Republished May 10.
Girdles, corsets, brassières, and combinations thereof. Bronzette Foundations, Inc. 364,027, Jan. 17, 1939. Republished May 10.
Gloves. M. B. Whitesell. 402,374, July 13, 1943. Canceled. O. G. May 10.
Gloves and mittens. The Boss Manufacturing Company. 253,780, renewed Mar. 5, 1949. O. G. May 10.
Handkerchiefs and veils. Knox Hat Company, Inc. 271,211, May 27, 1930. Republished May 10.
Handkerchiefs and veils. Knox Hat Company, Inc. 271,245, May 27, 1930. Republished May 10.
Hats and caps of all kinds. Dunlap & Co. 51,125, Apr. 3, 1906. Republished May 10.
Hats for men. Byron Hat Corporation. 283,097, May 19, 1931. Republished May 10.
Hats for men. Hat Corporation of America. 334,163, Apr. 21, 1936. Republished May 10.
Hats for men. Hat Corporation of America. 371,268, Sept. 19, 1939. Republished May 10.
Hats for men. Hat Corporation of America. 403,633, Oct. 5, 1943. Republished May 10.
Hats for men. Hat Corporation of America. 416,240, Sept. 4, 1945. Republished May 10.
Hats for men. Knox Hat Company, Inc. 125,458, May 20, 1919. Republished May 10.
Hats for men and hats for women. Hat Corporation of America. 438,475, Apr. 20, 1948. Republished May 10.
Hats for men, Felt. The Crofut & Knapp Co. 262,902, Oct. 29, 1929. Republished May 10.
Hats for men, Felt. Hat Corporation of America. 327,831, Sept. 3, 1935. Republished May 10.
Hats for women. Dobbs & Co. 280,522, Feb. 17, 1931. Republished May 10.
Hats for women. Hat Corporation of America. 356,260, Apr. 19, 1938. Republished May 10.
Hats for women. Hat Corporation of America. 411,011, Jan. 2, 1945. Republished May 10.
Hats for women. Hodshou-Berg, Incorporated. 295,496, July 5, 1932. Republished May 10.
Hats, Ladies'. Hat Corporation of America. 354,117, Feb. 1, 1938. Republished May 10.
Hosiery. Elizabeth City Hosiery Co. 257,223, June 4, 1929. Republished May 10.
Hosiery. National Hosiery Mills, Inc. 509,537, May 10; Serial No. 486,656, published Jan. 11, 1949.
Hosiery. Scholl Manufacturing Company, Inc. 193,101, Dec. 16, 1924. Republished May 10.
Hosiery and underwear. Strutwear Knitting Company. 299,048, Nov. 22, 1932. Republished May 10.
Neckties. Botany Worsted Mills. 367,180, May 9, 1939. Republished May 10.
Negligee, dress, and work shirts; pajamas, etc., Men's and boys'. Tyson Shirt Company. 248,694–5, renewed Oct. 30, 1948. O. G. May 10.
Overalls. Neustadter Brothers. 251,527, Jan. 8, 1929. Republished May 10.
Overalls and work shirts. Blubuck Manufacturing Co. 129,125, Jan. 27, 1920. Republished May 10.
Overalls, jumpers, pants, play suits, and men's and boys' coats. Patterson Manufacturing Company. 319,308, Nov. 20, 1934. Republished May 10.
Overalls, jumpers, play suits, and men's and children's coats. Patterson Manufacturing Company. 313,876, June 12, 1934. Republished May 10.
Overcoats, Men's and women's. Philcraft Overcoat Company. 438,819, May 11, 1948. Republished May 10.
Shirts for men and boys, Dress. Elk Brand Shirt and Overall Company. 264,755, Dec. 3, 1929. Republished May 10.
Shoes. The Florsheim Shoe Company. 259,268, renewed July 30, 1949. O. G. May 10.
Shoes, L. Harris. 254,493, renewed Mar. 26, 1940. O. G. May 10.
Shoes, boots, and slippers. Scholl Manufacturing Company, Inc. 199,617, June 16, 1925. Republished May 10.
Shoes, boots, and slippers. Scholl Manufacturing Company, Inc. 200,374, June 30, 1925. Republished May 10.
Shoes, Leather. The Coward Shoe, Inc. 345,824, May 11, 1937. Republished May 10.

Shoes, Leather. The Coward Shoe, Inc. 374,112, Jan. 2, 1940. Republished May 10.
Shoes, Leather. The Coward Shoe, Inc. 384,199, Jan. 7, 1941. Republished May 10.
Shoes, Leather. Powell & Campbell, Inc. 438,911, May 18, 1948. Republished May 10.
Shoes, slippers, boots, and moccasins for children. Mrs. Day's Ideal Baby Shoe Company, Inc. 437,633, Mar. 30, 1948. Republished May 10.
Slippers for children, House. Mrs. Day's Ideal Baby Shoe Company, Inc. 434,388, Nov. 18, 1947. Republished May 10.
Slips for women and misses. United Mills. 417,195, Oct. 16, 1945. Republished May 10.
Sport, gymnasium, and camp clothing. John Wanamaker Philadelphia. 258,491, renewed July 9, 1949. O. G. May 10.
Stockings. The Scholl Manufacturing Company. 108,953, Mar. 7, 1916. Republished May 10.
Suits and overcoats, Men's. Barron, Anderson Co. 178,824, Jan. 29, 1924. Republished May 10.
Suits, Boys' and youths' two- and three-piece. Harris Clothing Company. 259,932, renewed Aug. 13, 1949. O. G. May 10.
Suits, topcoats, overcoats, etc., Men's and boys'. Six Little Tailors Co. 423,223, Aug. 27, 1946. Republished May 10.
Sweaters, Men's, women's, and boys'. North American Knitting Company. 437,658, Mar. 30, 1948. Republished May 10.
Underwear, night shirts, and pajamas, Athletic. Stadium Underwear Company, Inc. 248,693, Oct. 30, 1928. Republished May 10.

CLASS 41

Canes, parasols, and umbrellas. Knox Hat Company, Inc. 123,909, Dec. 17, 1918. Republished May 10.

CLASS 42

Fabrics, Textile. David Crystal, Inc. 388,468, June 24, 1941. Republished May 10.
Handkerchiefs and veils. Knox Hat Company, Inc. 271,211, May 27, 1930. Republished May 10.
Handkerchiefs and veils. Knox Hat Company, Inc. 271,245, May 27, 1930. Republished May 10.
Hollands. John King & Son. 199,639, June 16, 1925. Republished May 10.
Hollands, Window. John King & Son. 184,880, June 3, 1924. Republished May 10.
Piece goods, Cotton. Boott Mills. 259,572, renewed Aug. 6, 1949. O. G. May 10.
Piece goods, Cotton. Dumari Textile Co., Inc. 222,405, Jan. 4, 1927. Republished May 10.
Piece goods, Rayon. David Crystal, Inc. 422,627, Aug. 6, 1946. Republished May 10.
Piece goods, Woolen and worsted. Botany Worsted Mills. 380,802, Apr. 22, 1941. Republished May 10.
Rugs, Grass. Sears, Roebuck and Co. 382,287, Oct. 22, 1940. Canceled. O. G. May 10.
Sheets and pillow-cases. H. W. Baker Linen Co. 71,441, Nov. 24, 1908. Republished May 10.
Shirtings in the piece, Men's cotton, and cotton textile fabrics. Alfred L. Helwith & Co., Inc. 307,963, Nov. 14, 1933. Republished May 10.
Suitings. J. C. Lamm. 297,781, Sept. 27, 1932. Republished May 10.
Toweling and hand and bath towels of textile fabric. Boott Mills. 259,629, renewed Aug. 6, 1949. O. G. May 10.

CLASS 43

Spool-cotton, sewing-cotton, and thread. The American Thread Company. 72,853, re-renewed Mar. 2, 1949. O. G. May 10.
Spool-cotton, sewing-cotton, and thread. The American Thread Company. 73,230, re-renewed Apr. 6, 1949. O. G. May 10.
Spool-cotton, sewing-cotton, thread, and cotton yarn. The American Thread Company. 74,357, re-renewed July 6, 1949. O. G. May 10.
Spool-cotton, sewing-cotton, thread, and cotton yarn. The American Thread Company. 74,358, re-renewed July 6, 1949. O. G. May 10.
Yarns. Botany Worsted Mills. 404,617, Dec. 7, 1943. Republished May 10.

CLASS 44

Applicator, Combined douche and enema. Roycemore Toiletries, Inc. 509,764, May 10; Serial No. 553,986, published Jan. 25, 1949.
Arch-supports. Scholl Manufacturing Company, Inc. 116,360–70, Apr. 24, 1917. Republished May 10.
Arch-supports. Scholl Manufacturing Company, Inc. 117,930, Aug. 7, 1917. Republished May 10.
Arch supports. Scholl Manufacturing Company, Inc. 192,011–12, Nov. 25, 1924. Republished May 10.
Arch supports. Scholl Manufacturing Company, Inc. 192,917, Dec. 16, 1924. Republished May 10.
Arch-supports. The Scholl Mfg. Co., Inc. 247,514, Sept. 25, 1928. Republished May 10.
Arch-supports, bunion-reducers, toe-straighteners, etc. The Scholl Manufacturing Company. 111,976, Aug. 15, 1916. Republished May 10.
Container dispenser, equipment for conducting fluids, and tubing for conducting fluids. Don Baxter, Inc. 437,839, Mar. 30, 1948. Republished May 10.
Corrective appliances, Foot. Scholl Manufacturing Company, Inc. 192,520–1, Dec. 9, 1924. Republished May 10.
Corrective appliances, Foot. Scholl Manufacturing Company, Inc. 197,623, Apr. 21, 1925. Republished May 10.
Corrective appliances, Foot. The Scholl Mfg. Co., Inc. 244,108, July 10, 1928. Republished May 10.
Dental alloys, dental cements, dental root fillings, etc. Aktiebolaget Svenska Dentalinstrument. 442,646, May 10; Serial No. 489,194, published Jan. 18, 1949.
Nipples, Nursing bottle. Davidson Rubber Company. 509,552, May 10; Serial No. 513,299, published Jan. 25, 1949.
Pads and plasters for corns, bunions, and calli. The Scholl Mfg. Co., Inc. 509,768, May 10; Serial No. 554,425, published Jan. 25, 1949.
Pads and shields for corns, callouses, bunions, and other foot troubles. The Scholl Mfg. Co., Inc. 244,932, July 31, 1928. Republished May 10.
Prophylactic rubber articles. The Killian Manufacturing Co. 299,500, Dec. 6, 1932. Republished May 10.
Supports, Arch. The Scholl Mfg. Co., Inc. 509,531, May 10; Serial No. 512,455, published Jan. 18, 1949.
Supports, Heel, and heel pads. Scholl Manufacturing Company, Inc. 192,266, Dec. 2, 1924. Republished May 10.
Surgical and dental instruments and supplies. Misdom-Frank Corporation. 442,678, May 10; Serial No. 520,409, published Jan. 18, 1949.
Toothpicks. Clover Farm Stores Corporation. 509,759, May 10; Serial No. 553,075, published Jan. 18, 1949.
Toothpicks, Hardwood Products Company. 509,673, May 10; Serial No. 540,189, published Feb. 1, 1949.
Trusses. The Ohio Truss Company. 509,563, May 10; Serial No. 520,891, published Jan. 18, 1949.
Trusses, Hernia; elastic hosiery; abdominal belts, etc. P. Longdon & Company Limited. 442,649, May 10; Serial No. 492,326, published Feb. 1, 1949.

CLASS 45

Beverages, Carbonated, ginger ale and ginger-ale extract. Blue Seal Extract Company. 256,633, renewed May 21, 1949. O. G. May 10.

CLASS 46

Baked products. Mother Hubbard Distributors, Inc. 442,655, May 10; Serial No. 501,758, published Jan. 25, 1949.
Biscuits, crackers, and hard cakes. Southern Biscuit Company, Incorporated. 245,567, Aug. 14, 1928. Republished May 10.
Bread. H. C. Bohack Co. Inc. 253,234, renewed Feb. 26, 1949. O. G. May 10.
Bread, Rye. The Rubel Baking Company. 442,684, May 10; Serial No. 523,544, published Jan. 25, 1949.
Cake. H. C. Bohack Co. Inc. 253,230, renewed Feb. 26, 1949. O. G. May 10.
Candies, chocolate, pastries, etc. Josef Manner & Comp. A. G. 202,455, renewed Aug. 25, 1945. O. G. May 10.
Candy. A. H. Mewhinney Co. Inc. 246,247, Sept. 4, 1928. Republished May 10.
Candy, Chocolate. Ambrosia Chocolate Company. 73,852, May 25, 1909. Republished May 10.
Candy, Chocolate. Ambrosia Chocolate Company. 268,802, Mar. 18, 1930. Republished May 10.
Canned cherries. Grand Traverse Packing Company. 244,593, July 24, 1928. Republished May 10.
Canned chop suey, canned chow mein noodles, canned bean sprouts, etc. Oriental Show-You Company, Inc. 278,215, Dec. 9, 1930. Republished May 10.
Canned citrus fruit juices. Citrus Products, Inc. 340,723, Aug. 31, 1937. Republished May 10.
Canned fish. New England Fish Company. 442,652, May 10; Serial No. 498,538, published Jan. 25, 1949.
Canned foods. Oriental Show-You Company, Inc. 289,677, Dec. 1, 1931. Republished May 10.
Canned fruits. Cherry Growers Packing Company. 254,039, Feb. 1, 1938. Republished May 10.
Canned fruits. Fruitvale Canning Company. 509,676, May 10; Serial No. 540,660, published Jan. 4, 1949.
Canned fruits and canned vegetables. Parrott & Co. 509,542, May 10; Serial No. 497,193, published Jan. 18, 1949.
Canned fruits, canned orange juice and canned grapefruit juice, etc. Taylor & Siedd, Inc. 509,661, May 10; Serial No. 539,235, published Jan. 18, 1949.
Canned fruits, canned vegetables and canned fish. Parrott & Co. 509,543, May 10; Serial No. 497,195, published Jan. 18, 1949.
Canned mackerel. Seaside Fisheries Company. 509,588, May 10; Serial No. 529,827, published Jan. 18, 1949.
Canned mackerel and canned sardines. Superior Fisheries, Inc. 382,954, Nov. 19, 1940. Republished May 10.
Canned olives. California Olive Association. 377,340, Apr. 30, 1940. Republished May 10.
Canned raviolis and canned oysters. Dunbar-Dukate Company, Inc. 248,635, Oct. 23, 1928. Republished May 10.
Canned salmon and canned oysters. A. Booth & Company. 72,778, re-renewed Feb. 23, 1949. O. G. May 10.

Canned Spanish red chili sauce and canned beans with chili sauce. Ramirez & Pernud Chili Co. 379,295, July 9, 1940. Republished May 10.
Canned vegetables. Taylor & Caldwell. 257,743, renewed June 18, 1949. O. G. May 10.
Canned vegetables and canned blackberries. Canners Exchange Inc. 399,320, Dec. 29, 1942. Republished May 10.
Canned vegetables, canned fish, evaporated milk, condensed milk, etc. The W. H. Dunne Co. 199,919, June 23, 1925. Republished May 10.
Catsup, vinegar, preserves, etc. The Otto Kuehne Preserving Co. 30,401, July 20, 1897. Republished May 10.
Cheese. Caravetta Foods Co. 438,542, Apr. 27, 1948. Republished May 10.
Cheese. E. H. Locatelli. 255,164, renewed Apr. 16, 1949. O. G. May 10.
Cheese, Creamed cottage. Old Home Creameries, Incorporated. 256,411, renewed May 14, 1949. O. G. May 10.
Chewing gum. Bubble. Peter Pan Gum Corp. 439,884, July 27, 1948. Canceled. O. G. May 10.
Chocolate and cocoa preparations, etc., Sweet and bitter, solid and powdered. Ambrosia Chocolate Company. 379,825, July 30, 1940. Republished May 10.
Chocolate coatings, chocolate candy, hot chocolate powder, etc. Ambrosia Chocolate Company. 284,545, July 7, 1931. Republished May 10.
Chocolate powder, Prepared. Ambrosia Chocolate Company. 387,145, May 6, 1941. Republished May 10.
Coffee, tea, food flavoring extracts, etc. Commercial Importing Co. 509,664, May 10; Serial No. 539,495, published Jan. 18, 1949.
Dates, Fresh. Garden of the Setting Sun, Inc. 509,587, May 10; Serial No. 529,760, published Jan. 18, 1949.
Dried milk products. H. K. Clofine. 442,659, May 10; Serial No. 507,573, published Jan. 25, 1949.
Eggs, Fresh and storage, and dressed poultry, and frozen canned eggs. Farmers Produce Co. 509,590, May 10; Serial No. 530,182, published Jan. 18, 1949.
Feed for domestic animals and fowl. Elm Grove Milling Company. 509,668, May 10; Serial No. 539,864, published Jan. 18, 1949.
Flour, Self-rising, wheat flour and feeds. Atlanta Milling Company. 509,598, May 10; Serial No. 531,640, published Jan. 18, 1949.
Flour, Wheat. The Acme Flour Mills Co. 347,007, June 15, 1937. Republished May 10.
Flour, Wheat. Acme Milling Co. 97,196, May 26, 1914. Republished May 10.
Flour, Wheat. Acme Milling Co. 101,116, Nov. 17, 1914. Republished May 10.
Flour, Whole wheat, cake flour, pancake flour, etc. Tex-O-Kan Flour Mills Co. 509,538, May 10; Serial No. 492,748, published Jan. 18, 1949.
Food, Stock. Wilbur-Ellis Company. 252,323, Feb. 5, 1929. Republished May 10.
Fruits. Cherry Growers, Inc. 396,938, Aug. 11, 1942. Republished May 10.
Fruits and vegetables, Fresh. Chase & Company. 114,433, Dec. 19, 1916. Republished May 10.
Fruits, Citrus. Rancho Sespe. 179,702, Feb. 12, 1924. Republished May 10.
Fruits, Fresh citrus. Hearsh Brothers. 355,782, Mar. 29, 1938. Republished May 10.
Fruits, Fresh citrus. Orange Belt Fruit Distributors. 437,268, Mar. 9, 1948. Republished May 10.
Fruits, Fresh citrus. Rancho Sespe. 350,674, Oct. 5, 1937. Republished May 10.
Fruits, Fresh citrus. San Fernando Lemon Association. 509,899, May 10; Serial No. 544,466, published Jan. 18, 1949.
Hams, shoulders, boneless butts, etc. John Morrell & Co. 241,193, Apr. 17, 1928. Republished May 10.
Ice cream. Dairy Made Ice Cream Company. 258,314, renewed July 2, 1949. O. G. May 10.
Ice cream. Foremost Dairies, Inc. 360,949, Oct. 4, 1938. Republished May 10.
Ice Cream. Foremost Dairy Products Incorporated. 301,356, Feb. 28, 1933. Republished May 10.
Ice cream, sherbets and custard. Foremost Dairy Products, Inc. 302,599, Apr. 25, 1933. Republished May 10.
Lard. The Cleveland Provision Co. 88,399, Sept. 17, 1912. Republished May 10.
Leea and fresh yeast. Aktieselskabet De Danske Spritfabrikker. 182,557, Apr. 15, 1924. Republished May 10.
Lemons, Fresh. Chula Vista Mutual Lemon Association, Inc. 257,832, renewed June 16, 1949. O. G. May 10.
Macaroni, spaghetti, vermicelli, etc. The John B. Canepa Company. 509,667, May 10; Serial No. 539,850, published Jan. 18, 1949.
Mayonnaise, relish spread, pickled beets, etc. Anna Myers Pure Food Inc. 273,519, Aug. 5, 1930. Republished May 10.
Meat meal, dried blood, and raw bone. The Cudahy Packing Company. 183,414, Apr. 29, 1924. Republished May 10.
Meat products. John Morrell & Co. 113,777, Oct. 31, 1916. Republished May 10.
Milk, Fluid and cream. Bowman Dairy Company. 509,586, May 10; Serial No. 529,350, published Jan. 18, 1949.
Mix, Devil's food-cake, spice-cake mix, white-cake mix, etc. White-Stokes Company, Inc. 252,441, renewed Feb. 5, 1949. O. G. May 10.
Mix of flour, shortening, dry skim milk, etc., Prepared. H. Schefcak. 509,568, May 10; Serial No. 521,383, published Jan. 18, 1949.
Mustard, Prepared. Glaser, Crandell Co.. 407,156, May 23, 1944. Republished May 10.
Oil, Cottonseed. Wesson Oil & Snowdrift Co., Inc. 509,621, May 10; Serial No. 535,667, published Jan. 18, 1949.
Peanut butter and a peanut confection. Planters Nut & Chocolate Company. 259,115, renewed July 23, 1949. O. G. May 10.
Pears, Fresh. R. L. Cook. 442,680, May 10; Serial No. 520,932, published Jan. 18, 1949.
Pears, Fresh. Rosenberg Brothers. 343,706, Mar. 2, 1937. Republished May 10.
Pectin product. White-Stokes Company, Inc. 252,772, renewed Feb. 12, 1949. O. G. May 10.
Pickles, Preserved. Anna Myers Pure Food, Inc. 284,865, July 7, 1931. Republished May 10.
Pork products, Smoked. Arpeako, Inc. 247,977, Oct. 9, 1928. Republished May 10.
Poultry, Dressed. The Cudahy Packing Company. 355,109, Mar. 8, 1938. Republished May 10.
Poultry, Dressed. Interstate Poultry Company. 442,668, May 10; Serial No. 515,311, published Dec. 9, 1947.
Sandwiches, Flash Luncheonette, Inc. 383,955, Dec. 31, 1940. Republished May 10.
Toppings for sundaes. J. A. Forman. 442,688, May 10; Serial No. 524,242, published Jan. 18, 1949.
Variegated ice cream and flavoring materials. Joe Lowe Corporation. 509,549, May 10; Serial No. 508,160, published Jan. 18, 1949.
Vegetables, Fresh. Central Coast Marketing Association, Inc. 509,685, May 10; Serial No. 542,807, published Jan. 18, 1949.
Vegetables, Fresh. Costa Distributing Co. 432,672, Sept. 9, 1947. Republished May 10.
Vegetables, Fresh. J. M. Sliva. 255,231, Apr. 16, 1929. Republished May 10.
Vegetables, Fresh. L. Terven. 306,886, May 2, 1939. Republished May 10.
Vegetables, Fresh. L. Terven. 399,909, Feb. 2, 1943. Republished May 10.
Vegetables, Fresh. O. Williamson, Jr. 509,565, May 10; Serial No. 521,164, published Jan. 18, 1949.

CLASS 47

Wine. Standard Distillers Products Incorporated. 406,765, Apr. 25, 1944. Republished May 10.

CLASS 48

Ale. Haffenreffer & Co. Inc. 439,119–20, June 1, 1948. Republished May 10.
Ale. H. G. Simonds, Limited. 60,996, July 21, 1908. Republished May 10.

CLASS 49

Brandy. Aktieselskabet De Danske Spritfabrikker. 89,213, Dec. 3, 1912. Republished May 10.
Brandy. Aktieselskabet De Danske Spritfabrikker. 335,315, June 2, 1936. Republished May 10.
Brandy and alcoholic cordials and liquors. Aktieselskabet De Danske Spritfabrikker. 329,602, Nov. 5, 1935. Republished May 10.
Egg-nog. Standard Distillers Products, Inc. 386,810, Apr. 22, 1941. Republished May 10.
Liqueur. Aktieselskabet De Danske Spritfabrikker. 334,711, May 12, 1936. Republished May 10.
Liquors, Spirituous. Aktieselskabet De Danske Spritfabrikker. 157,846, Aug. 22, 1922. Republished May 10.

CLASS 50

Garment hangers. Mackie-Lovejoy Mfg. Co. 509,597, May 10; Serial No. 531,493, published Jan. 25, 1949.
Newspaper-press blankets. Stahl Newspaper Supply Company. 194,371, renewed Jan. 20, 1945. O. G. May 10.

CLASS 55

Advertising service. Welcome Wagon Service Company, Inc. 509,800, May 10; Serial No. 538,327, published Jan. 25, 1949.
Breeding of registered cattle, and in the breeding of cocker spaniels. A. R. Benua. 509,802, May 10; Serial No. 542,513, published Jan. 18, 1949.
Brokerage of food and grocery products. National Food Brokers Association. 509,805, May 10; Serial No. 537,717, published Jan. 11, 1949.
Global radio-telegraph communication service. Radio Corporation of America. 509,804, May 10; Serial No. 548,526, published Jan. 18, 1949.
Global radiotelegraph communication service, commercial radiophoto service, program transmission service, etc. Radio Corporation of America. 509,803, May 10; Serial No. 548,525, published Jan. 18, 1949.
Laundry, dry-cleaning, shirt repairs, etc. The Pilgrim Laundry, Inc. 509,798–9, May 10; Serial No. 529,690–1, published Nov. 16, 1948.
Services of supplying part time companions, etc. I. T. Hill. 509,801, May 10; Serial No. 539,168, published Jan. 18, 1949.
Water transportation of cargo and passengers. Pacific Mail Steamship Company. 509,797, May 10; Serial No. 527,392, published Jan. 25, 1949.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brush Development Company, The, assignee: *See*—
Squire, Edmund M.
Di Pietro, Carmelo V., Birmingham, Mich. Mixing faucet. Re. 23,109, May 10.
Hallock, Robert L., Larchmont, N. Y. Refrigeration. Re. 23,110, May 10.
Holst, Torsten G., assignor to Mo Och Domsjö Aktiebolag, Ornskoldsvik, Sweden. Producing chlorine dioxide. Re. 23,111, May 10.
Mo Och Domsjö Aktiebolag, assignee: *See*—
Holst, Torsten G.
Squire, Edmund M., Radburn, N. J., assignor to The Brush Development Company, Cleveland, Ohio. Coin-operated voice recording machine. Re. 23,112, May 10.
Tandler, William S., and D. S. Walker, assignors, by mesne assignments, to The Western Union Telegraph Company, New York, N. Y. Inside scanning facsimile machine. Re. 23,113, May 10.
Walker, David S., *See*—
Tandler, William S., and Walker.
Western Union Telegraph Company, The, assignee: *See*—
Tandler, William S., and Walker.

LIST OF PLANT PATENTEES

Eastern Shore Nurseries, Inc., assignee: *See*—
Hemming, Ernest.
Hemming, Ernest, assignor to Eastern Shore Nurseries, Inc., Easton, Md. Hybrid mallow plant. 835, May 10.

LIST OF DESIGN PATENTEES

Albanese, Arthur, assignor to Marvel Jewelry Mfg. Company, Providence, R. I. Expansible watch bracelet. 153,657, May 10.
Amston Silver Company, Inc., assignee: *See*—
Lipman, Isadore A.
Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Brief case. 153,658, May 10.
Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Valise or similar article. 153,659, May 10.
Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Valise or similar article. 153,660, May 10.
Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Valise or similar article. 153,661, May 10.
Asteroff, J. Leah, New York, N. Y. Jacket. 153,662, May 10.
Baumgardner, H. L., Corporation, assignee: *See*—
Haggstrom, Arthur C.
Bernstein, Milton, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 153,663, May 10.
Bowlen, Nord, assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass. Spoon or similar article. 153,664, May 10.
Braun, Carl C., Riverside, Conn. Fluorescent lighting fixture. 153,665, May 10.
Brown & Bigelow, assignee: *See*—
Gruber, Francis E.
Burgess Battery Company, assignee: *See*—
Schofield, Earl L.
Burton, William, Chicago, Ill., and D. W. Liebes, San Francisco, Calif. Wallpaper or the like. 153,666, May 10.
Bustin, Leopold, Mamaroneck, N. Y. Emblem holder for automobile radiator guard. 153,667, May 10.
Campbell, Laurie J.: *See*—
Lohr, Raymond J., and Campbell.
Chicago Electric Manufacturing Company, assignee: *See*—
Haase, Lawrence H.
Classic Weaving Corporation, assignee: *See*—
Mitschke, Walter.
Coro, Inc., assignee: *See*—
Katz, Adolph.
Craighead, Clara M., San Francisco, Calif. Vanity tray for bathtub use. 153,668, May 10.
David, Louis S., New York, N. Y. Handbag frame. 153,669, May 10.
Derham, Philip, Rosemont, Pa., assignor to Mastercraft Plastics Co. Inc., Jamaica, N. Y. Handle. 153,670, May 10.
Derham, Philip, Rosemont, Pa., assignor to Mastercraft Plastics Co. Inc., Jamaica, N. Y. Handle. 153,671, May 10.
Di Giorgio, Rocco, Franklin Park, Ill. High chair. 153,672, May 10.
Elliotte, Marion A., Detroit, Mich. Vacuum leaf loafer. 153,673, May 10.
Empire Plastic Corporation, assignee: *See*—
Leaf, Ludwig.
Erker, Genevieve J., Clayton, Mo. Stirring, scraping, and beating spoon. 153,674, May 10.
Fuller, Paul M., Buffalo, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Phonograph cabinet. 153,675, May 10.
Gardemeyer, Joseph S., San Francisco, Calif. Trolling spoon. 153,676, May 10.
Georganta, George E., Muskegon, Mich. Combined compact key and money clip or the like. 153,677, May 10.
Goddard, Rochelle E.: *See*—
Staudt, James R., and Goddard.
Grubb, Robert K., assignor to On-A-Lite Corporation, Portland, Oreg. Socket for use with clip and light bulb. 153,678, May 10.
Gruber, Francis E., assignor to Brown & Bigelow, St. Paul, Minn. Writing instrument. 153,679, May 10.
Haase, Lawrence H., Evansville, Ind., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Washing machine. 153,680, May 10.
Huegert, Clarence B., Coffeyville, Kans. Earring attachment device. 153,681, May 10.
Haggstrom, Arthur C., Rockford, Ill., assignor to H. L. Baumgardner Corporation. Portable electric lamp. 153,682, May 10.
Hamilton, Paul B., Birmingham, Ala. Paper napkin holder. 153,683, May 10.
Helander, Lillian V. M., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 153,684, May 10.
Henkel, Andrew L., Chicago, Ill. Hose nozzle. 153,685, May 10.
Hinkle, Geraldine, San Francisco, Calif. Clothing display rack. 153,686, May 10.
Hoag, Roderick W., Melrose, Mass. Ash tray. 153,687, May 10.
Hom-Ade, Inc., assignee: *See*—
Jones, David F.
Horwitz, Leo, Chicago, Ill. Luggage case or a similar article. 153,688, May 10.
International Silver Company, The, assignee: *See*—
Helander, Lillian V. M.
Johnson, Alice M., Long Island City, N. Y. Lamp or similar article. 153,689, May 10.
Jones, David F., Richmond, assignor to Hom-Ade, Inc., Oakland, Calif. Doughnut forming device. 153,690, May 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 153,691, May 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 153,692, May 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 153,693, May 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 153,694, May 10.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 153,695, May 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 153,696, May 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Pin clip or similar article. 153,697, May 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 153,698, May 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 153,699, May 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 153,700, May 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 153,701, May 10.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 153,702, May 10.
Kaufman, Louis, New York, N. Y. Handbag. 153,703, May 10.
Kiekhaefer, Elmer C., Cedarburg, Wis. Drive shaft housing for an outboard motor. 153,704, May 10.
Kiekhaefer, Elmer C., Cedarburg, Wis. Outboard motor having a power head. 153,705, May 10.
Lathom, Ruth C., Gillette, Wyo. Scissors sharpener. 153,706, May 10.
Leaf, Ludwig, Forest Hills, assignor to Empire Plastic Corporation, New York, N. Y. Toy fish or similar article. 153,707, May 10.
Leaf, Ludwig, Forest Hills, assignor to Empire Plastic Corporation, New York, N. Y. Toy duck or similar article. 153,708, May 10.
Levich, Morris C., New York, N. Y. Toy animal figure. 153,709, May 10.
Lewis, Nena, Campbell, Ohio. Cabinet sink. 153,710, May 10.
Liebes, Dorothy W. *See*—
Burton, William, and Liebes.
Lipman, Isadore A., Meriden, assignor, by mesne assignments, to Amston Silver Company, Inc., Amston, Conn. Fork or other article of flatware. 153,711, May 10.
Little, John M., Toledo, Ohio, assignor to Westinghouse Electric Corporation. Washing machine. 153,712, May 10.
Lloyd Products Company, The, assignee: *See*—
Richardson, Arthur A.
Lohr, Raymond J., and L. J. Campbell, Erie, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Ball point fountain pen. 153,713, May 10.
Mader, William P., assignor to Roethel Engineering Corporation, Detroit, Mich. Ash tray. 153,714, May 10.
Mader, William P., Detroit, Mich. Ash tray. 153,715, May 10.
Mader, William P., assignor to Roethel Engineering Corporation, Detroit, Mich. Ash tray. 153,716, May 10.
Marvel Jewelry Mfg. Company, assignee: *See*—
Albanese, Arthur.
Marx, Louis, & Company, Inc., assignee: *See*—
Lohr, Raymond J., and Campbell.
Mastercraft Plastics Co. Inc., assignee: *See*—
Derham, Phillip.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 153,717, May 10.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 153,718, May 10.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 153,719, May 10.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 153,720, May 10.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 153,721, May 10.
National Silver Company, assignee: *See*—
Bernstein, Milton.
Odenerants, Henning, assignor to Zegorav Inc., New York, N. Y. Can opener. 153,722, May 10.
On-A-Lite Corporation, assignee: *See*—
Grubb, Robert K.
Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trimfoot Company, Farmington, Mo. House shoe. 153,723, May 10.
Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trimfoot Company, Farmington, Mo. House shoe. 153,724, May 10.
Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trimfoot Company, Farmington, Mo. House shoe. 153,725, May 10.
Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trimfoot Company, Farmington, Mo. House shoe. 153,726, May 10.
Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trimfoot Company, Farmington, Mo. House shoe. 153,727, May 10.
Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trimfoot Company, Farmington, Mo. House shoe. 153,728, May 10.
Reinhart, John B., Jr., and J. B. Ruebel, assignors to Trimfoot Company, Farmington, Mo. House shoe. 153,729, May 10.
Richardson, Arthur A., Cranston, R. I., assignor to The Lloyd Products Company. Fluorescent starter switch. 153,730, May 10.
Roethel Engineering Corporation, assignee: *See*—
Mader, William P.
Rogers, Lunt & Bowlen Company, assignee: *See*—
Bowlen, Nord.
Rominger, Rudolf, St. Moritz, Switzerland. Ski boot. 153,731, May 10.
Roney, John F., Los Angeles, Calif., assignor to Safway Steel Products, Inc., Milwaukee, Wis. Portable grandstand frame. 153,732, May 10.
Ruebel, Joseph B.: *See*—
Reinhart, John B., Jr., and Ruebel.
Safway Steel Products, Inc., assignee: *See*—
Roney, John F.
Schofield, Earl L., Rockford, assignor to Burgess Battery Company, Freeport, Ill. Flashlight. 153,733, May 10.
Silson, Victor, New York, N. Y. Combined cake of soap and spool holder. 153,734, May 10.
Standt, James R., and R. E. Goddard, Fort Worth, Tex.; said Standt assignor to said Goddard. Reclining chair. 153,735, May 10.
Stern, Kurt, Chicago, Ill. Slide fastener repair tool. 153,736, May 10.
Trimfoot Company, assignee: *See*—
Reinhart, John B., Jr., and Ruebel.
United States Rubber Company, assignee: *See*—
Arbib, Richard H.
Von Lindeck, Walter, Los Angeles, Calif. Combined freezer and dispenser for frozen foods. 153,737, May 10.
Wallace, R., & Sons Manufacturing Company, assignee: *See*—
Warren, William S.
Wallance, Donald A., New York, N. Y. Table or similar article. 153,738, May 10.
Wallance, Donald A., New York, N. Y. Table or similar article. 153,739, May 10.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 153,740, May 10.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 153,741, May 10.
Weber, Joseph, Forest Hills, N. Y. Collapsible stand for kitchen utensils. 153,742, May 10.
Westinghouse Electric Corporation, assignee: *See*—
Little, John M.
Wurlitzer, Rudolph, Company, The, assignee: *See*—
Fuller, Paul M.
Zegorav Inc., assignee: *See*—.
Odenerants, Henning.
Zolot, Bernard G., Philadelphia, Pa. Table. 153,743, May 10.
Zver, John L. and M. G., Chicago, Ill. Mobile carrier for vacuum cleaner and accessories or the like. 153,744, May 10.
Zver, Martin G.: *See*—
Zver, John L. and M. G.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

ACF-Brill Motors Company, assignee: *See*—
Latshaw, Elmer.
Abbott, Henry H., Yonkers, and H. M. Bascom, New York, N. Y., and P. B. Fairlamb, Butler, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio Control system. 2,469,539, May 10.
Abrams, Hardin T., assignor to Collins Radio Company, Cedar Rapids, Iowa. Tuning control and band switching arrangement. 2,469,941, May 10.
Abrasive Dressing Tool Company, assignee: *See*—
Meyer, Erwin.
Acme Visible Records, Inc., assignee: *See*—
Rockwell, Lyle C.
Actiengesellschaft Joh. Jacob Rieter & Cie, assignee: *See*—
Mäder, Hermann.
Acton, Russel D., Chicago, Ill. Tractor-drawn implement turn responsive lifting and adjusting mechanism. 2,469,622, May 10.
Agriculture, United States of America as repeesented by the Secretary of, the, assignee: *See*—
Hellbach, Rudolph.
Aktiebolaget C. E. Johansson, assignee: *See*—
Hallin, Karl E. E.
Aktiebolaget Mapus, assignee: *See*—
Redin, Eric G., and Olander.
Aktiengesellschaft Brown, Bovere & Cie, assignee: *See*—
Eichenberger, Ernst.
Alba, Ralph T.: *See*—
Wallerstein, James, and Alba.
Albrecht, Alexander J.: *See*—
Stobb, Anton, and Albrecht.
Albrecht, Fritz, Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Method and apparatus for flash welding. 2,469,707, May 10.
Alcock, John F., North Lancing, assignor to H. R. Ricardo, London, England. Heat exchanger. 2,469,758, May 10.
Alcorn, Irwin W., Houston, Tex., and D. C. Bond, Northbrook, assignors to The Pure Oil Company, Chicago, Ill. Cementing earth borer. 2,469,353, May 10.
Alderson, Witty L., Jr., and J. A. Robertson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of hydrazonitriles from azines of butyl ketones. 2,469,358, May 10.
Alexander, Verna C., Spartanburg, S. C. Sandal with pivoted-ring strap receivers. 2,469,708, May 10.
Allen, Grant, and R. Dabl, Fairview, Mont. Baby's nursing bottle. 2,469,480, May 10.
Allied Chemical & Dye Corporation, assignee: *See*—
Flett, Lawrence H.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Fergason, Hector C.
Scranton, Charles J.
Allyn, Welch, Inc., assignee: *See*—
Allyn, William N.
Allyn, William N., Skaneateles, assignor to Welch Allyn, Inc., Auburn, N. Y. Battery handle connector. 2,469,857, May 10.
Alt, Anne, Compton, Calif. Brassière. 2,469,623, May 10.
American Can Company, assignee: *See*—
Jones, Lyman L., and Ystrom.
Nordquist, Ronald E. J.
American Chicle Company, assignee: *See*—
Cohee, Wallace P.
American Cyanamid Company, assignee: *See*—
Dudley, James R.
Dudley, James R., and Lundberg.
Lundberg, Lennart A.
Lundberg, Lennart A., and Dudley.
Millson, Henry E., and Mooradian.
Redmon, Bryan C.
Thurston, Jack T., and Warner.
American Cystoscope Makers, Inc., assignee: *See*—
Held, Joseph E.
Wallace, Frederick J.
American Machine and Foundry Company, assignee: *See*—
Randell, Rupert E., and Hagquist.
American Metalcraft Corporation, assignee: *See*—
Wheeler, John D.
American Optical Company, assignee: *See*—
Osterberg, Harold, and Matter.
American Pulley Company, The, assignee: *See*—
Ingraham, Joseph H., and Williams.
American Steel Foundries, assignee: *See*—
Bachman, Fred E.
Ames, Butler, Boston, Mass. Portable support. 2,469,359, May 10.
Amidon, Roy C., assignor to Vanity Fair Mills, Inc., Reading, Pa. Knitting machine. 2,469,360, May 10.
Andersen, Arthur A., Los Angeles, Calif. Self-aligning furniture foot. 2,469,425, May 10.
Anderson, Eugene L.: *See*—
Lindsay, Edward C., and Anderson.
Anderson, Marvin R., Grosse Pointe Park, assignor to Michigan Tool Company, Detroit, Mich. Gear grinding machine. 2,469,807, May 10.
Anderson, Roger, Seattle, Wash. Orthopedic foot plate device. 2,469,361, May 10.
Anderson, Warren A., St. Charles, Ill. Paper file. 2,469,540, May 10.
Anthony, Felix M., Piedmont, Calif. Device for crimping tubular articles. 2,469,426, May 10.
Applegate, Walter N., Point Pleasant, N. J., and C. A. Peterson, Brooklyn, N. Y. Folding clothes rack. 2,469,911, May 10.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Infrared transmitting glass. 2,469,490, May 10.
Armour and Company, assignee: *See*—
Kaiser, Emil, and Svara.
Armstrong, Eph A.: *See*—
Liddle, John S., Horton, and Armstrong.
Armstrong, James F., Detroit, Mich., and J. T. W. Moseley, Clayton, assignors to Carter Carburetor Corporation, St. Louis, Mo. Control for fuel supply systems. 2,469,942, May 10.
Armhart, Harry A., Tulsa, Okla. Protective guard for rotary machine tools. 2,469,624, May 10.
Aschauer, George R., assignor to Twin Disc Clutch Company, Racine, Wis. Seal. 2,469,588, May 10.
Ashworth, Handel, Baldwin, and P. W. Doblin, Brooklyn, N. Y. Apparatus for melting chocolate and other confections. 2,469,709, May 10.
Aske, Leonard E., Minneapolis, Minn., assignor to General Mills, Inc. Induction motor rotor. 2,469,808, May 10.
Atlantic Refining Company, The, assignee: *See*—
Hunter, James B.
Atlas Powder Company, assignee: *See*—
Barker, George E.
Attorney General of the United States, vested in the, assignee: *See*—
Riehs, Carl.
Wolff, Julius.
Axell, Archie, Minneapolis, assignor to Hnaky Manufacturing Company, St. Paul, Minn. Horizontal rotary scalper. 2,469,643, May 10.
Baash-Ross Tool Company, assignee: *See*—
Johnson, Glenn D.
Babienco, Axentie T., San Diego, Calif. Compositions for intravenous treatment of genito-urinary infections and essential hypertension. 2,469,759, May 10.
Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Shock strut. 2,469,912, May 10.
Baechler, Roy H., Madison, Wis.: dedicated to the free use of the People in the territory of the United States. Treating wood. 2,469,427, May 10.
Bagge, George F.: *See*—
Bagge, Walter and G. F.
Bagge, Walter and G. F., Los Angeles, Calif. Gauging instrument for vehicle wheels. 2,469,541, May 10.
Bailey, James N., Mobile, Ala. Adapter for converting kerosene lamps into electric lamps. 2,469,491, May 10.
Bailey, William B., assignee: *See*—
D'Avaucour, Pierre de V.
Baker Castor Oil Company, The, assignee: *See*—
Colbeth, Ivor M.
Baldwin, Francis P., Pluckemin, N. J., assignor to Standard Oil Development Company, Laminating by means of an isoolefin-diolefin interpolymer tie ply. 2,469,710, May 10.
Baldwin Locomotive Works, The, assignee: *See*—
Jacobson, Carl A.
Ruge, Arthur C.
Ball, Roy, East Oronge, N. J. Screw-in circuit breaker. 2,469,492, May 10.
Barber, Everett M., Wappingers Falls, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Internal-combustion engine. 2,469,448, May 10.
Baresch, Charles A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Fairing assembly for turbine bearings. 2,469,711, May 10.
Barker, George E., Pleasant Hills, assignor to Atlas Powder Company, Wilmington, Del. Synthetic detergent composition. 2,469,493, May 10.
Barnes, Carl E., Belvedere, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Emulsion polymerization of butadienes. 2,470,065, May 10.
Barricini, Jack, Scarsdale, assignor, by mesne assignments, to The Toy Pop Corporation, New York, N. Y. Confection with support therefor. 2,469,589, May 10.

Barry, Arthur J.: *See*—
De Pree, Lee, Barry, and Hook.

Barry, Arthur J., assignor to The Dow Chemical Company, Midland, Mich. Rendering hydrophilic substance water repellent. 2,469,625, May 10.

Bascom, Henry M.: *See*—
Abbott, Henry H., Bascom, and Fairlamb.

Basham, Raymond B., assignor to Westronics Inc., Fort Worth, Tex. Electronic flash tube apparatus. 2,469,913, May 10.

Bashark, Nicholas, Dayton, Ohio. Fluid pump automatic air bleed valve. 2,469,362, May 10.

Baskin, Thurman L., Jr., Zion, Ill. Article carrier for kite strings. 2,469,449, May 10.

Basters, Joseph P., Chicago, Ill. Signaling device for cycles and the like. 2,469,944, May 10.

Beachell, Harold C., Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tanning product and process. 2,469,428, May 10.

Beam, Arthur P., and H. R. Shelton, Conn. Abrasive and polishing head. 2,469,429, May 10.

Beam, Harry R.: *See*—
Beam, Arthur, and H. R.

Becker, Stephen P., Poughkeepsie, N. Y. Connector. 2,469,542, May 10.

Beers, John R., Briar Cliff Manor, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y. High vacuum getter. 2,469,626, May 10.

Bell Aircraft Corporation, assignee: *See*—
Seibel, Charles M.
Woods, Robert J.

Bell & Gossett Company, assignee: *See*—
Tidd, Edwin B.

Bell & Howell Company, assignee: *See*—
Howell, Albert S.
Phillimore, Charles E.

Bell, Keith L., Washington, D. C., assignor to C. E. McGhee. Radio-frequency transmission through grounded conducting structures and the like. 2,470,000, May 10.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Abbott, Henry H., and Bascom, and Fairlamb.
Hartman, Paul L.
Kinser, John P.
Mohr, Milton E.
Morrison, Howard.
Ohl, Russell S.
Pierce, John R.

Bendix Aviation Corporation, assignee: *See*—
Buxton, James E., Christian, and Demure.
Goldberg, Harold.
Gordon, James F.
Norton, Frank R.
Perry, Daniel D.
Ulrich, Bernhard, Jr., and Pontius, III.
Winchel, Henry T.

Bergmann, Erick W., assignee: *See*—
Mackin, James D., and Bergmann.

Bergmans, Jan, J. G. Kronouer, and M. Leeuwin, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Radio receiver tuning indicator, including a wide angle viewing lens. 2,470,012, May 10.

Berindei, Matei: *See*—
Nemet, Anthony, and Berindei.

Beringer, Joseph F., executor: *See*—
Broader, Harry.

Berry, William A., Essex Junction, Vt. Stake releasing means for vehicle log bunks. 2,469,760, May 10.

Bhajekar, Madhav V., Bombay, India. Endoscope handle. 2,470,013, May 10.

Biondi, Harry J., Gaithersburg, Md. Exterior bomb container. 2,469,863, May 10.

Bird, Paul G., and A. L. Jacoby, Western Springs, assignors to National Aluminate Corporation, Chicago, Ill. Inhibiting foaming in steam boilers. 2,469,450, May 10.

Blount, Edgar R., Rome, Ga., assignor, by mesne assignments, to Celanese Corporation of America. Bobbin holder. 2,469,590, May 10.

Bock, Edward P.: *See*—
Paquin, Joseph N., and Bock.

Bodmer, Ernest, Grand-Lancy-Geneve, Switzerland. Cam controlled pulse transmitter. 2,469,761, May 10.

Bond, Donald C.: *See*—
Alcorn, Irwon W., and Bond.

Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Production of oil. 2,469,354, May 10.

Bondhus, Tom M., Monticello, Minn. Counterboring device. 2,469,545, May 10.

Booth, Earl C., and F. Jones, assignors to Noblitt-Sparks Industries, Inc., Columbus, Ind. Ironing board. 2,469,809, May 10.

Borden Company, The, assignee: *See*—
Calhoun, John R., and Busso.

Bourne, Harry K., Rugby, England, assignor to General Electric Company. Electric discharge lamp system and operation. 2,469,357, May 10.

Bowers, Charles E., Moylan, assignor to Fibre Metal Products Company, Chester, Pa. Protecting helmet. 2,469,810, May 10.

Bowiser, Alfred H., Jr., Inglewood, Calif. Door latch. 2,469,430, May 10.

Bowman, John R., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Calculating machine for solving simultaneous equations. 2,469,627, May 10.

Bowman, John R., and R. T. Steinback, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Calculating machine. 2,469,628, May 10.

Boye & Emmes Machine Tool Company, The, assignee: *See*—
Laubach, Howard E., Johnson, and Kramer.

Boyer, Howard B., assignor of one-third to W. R. Goss, Eugene, Oreg. Demountable rims for tires. 2,469,629, May 10.

Boyle, John D., Greenwich, Conn. Mortised block puzzle. 2,469,364, May 10.

Braaten, Oscar M., Rock Island, Ill. Tool for dressing grinding wheels. 2,469,365, May 10.

Bradley, William E., Springfield Township, Montgomery County, and J. C. Teller, Penn Wynne, assignors to Philco Corporation, Philadelphia, Pa. Oscillator circuits. 2,469,811, May 10.

Bramblett, Ardrey M.: *See*—
Schilling, Ernest W., and Bramblett.

Braun, Gideon, Columbus, Nebr. Faceplate for wood lathes. 2,469,630, May 10.

Brei, Daniel L., Cambridge, Mass., assignor to Wesbar Stamping Corporation, West Bend, Wis. Load handling attachment for automobiles. 2,469,945, May 10.

Bremer, Harry E., Milwaukee, Wis. Stock watering bowl. 2,469,946, May 10.

Breslav, Jack, New Haven, Conn. Attachment for industrial trucks. 2,469,812, May 10.

Bridgeman, Walter A., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Preserving perishables. 2,469,914, May 10.

British Insulated Callender's Cables Limited, assignee: *See*—
Quayle, Joshua C., and Jones.

Brockman, Frank G., Woodbury, and J. W. Wescott, 2nd, Chatsworth, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Production of extremely thin filaments. 2,469,947, May 10.

Broder, Harry, New York, N. Y.; W. Feistiner, L. Broder, and J. F. Berlinger, executors of said H. Broder, deceased. Lipstick holder with four-pin cup. 2,469,631, May 10.

Broder, Leonard, executor: *See*—
Broder, Harry.

Broderick, Aubrey E., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Insolubilisation of water-soluble hydroxyl-containing polymeric materials. 2,469,431, May 10.

Brooks, Walter J. Baltimore, Md. Pencil sharpener. 2,469,853, May 10.

Brown, Chester W., Linton, Ind. Carburetor. 2,470,014, May 10.

Buck, Richard S., Glastonbury, and W. A. Ledwith, Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Control for spill ports in free-piston units. 2,469,712, May 10.

Budd Company, The, assignee: *See*—
Callender, Edwin M., Phair, and Van Sciver.
Davies, Henry R.
Manning, Matthew J.

Bundy Tubing Company, assignee: *See*—
Payne, Arthur W.

Bune, Edwin O., Onoka, Minn. Bowling ball cleaner. 2,469,948, May 10.

Bunn, B. H., Company, assignee: *See*—
Bunn, Benjamin H.

Bunn, Benjamin H., assignor to B. H. Bunn Company, Chicago, Ill. Tying machine for elongated packages. 2,469,544, May 10.

Burbank, Wendell T., Three Rivers, assignor to Sutherland Paper Company, Kalamazoo, Mich. Method of wrapping and labeling receptacles. 2,469,366, May 10.

Burgess, David S., E. A. Ramskill, and R. R. Miller, Washington, D. C. Canister and distributor therefor. 2,469,367, May 10.

Burrus, Paul B., Dayton, Ohio, assignor, by mesne assignments, to Worthington Pump and Machinery Corporation. Condenser bracket. 2,469,451, May 10.

Bushko, George, Eynon, Pa. Clothes tree. 2,469,494, May 10.

Butler, Edgar M., New Orleans, La. Self-energizing electrolytic water correction device. 2,469,545, May 10.

Butler, Edgar M., New Orleans, La. Electrolytic water correction device. 2,469,680, May 10.

Buttler, Allen J., Los Angeles, Calif. Airplane construction. 2,469,591, May 10.

Buxton, James E., F. T. Christian, and R. E. Demure, Elmira, N. Y., assignors to Bendix Aviation Corporation. Engine starter gearing. 2,469,792, May 10.

Busso, Thomas M.: *See*—
Calhoun, John R., and Busso.

Byer, John W., Cumberland, Md., assignor to Celanese Corporation of America. Locking device. 2,469,592, May 10.

C. & M. Envelope Company, assignee: *See*—
Terry, Thomas A.

C. & M. Manufacturing Company, assignee: *See*—
Thompson, William J.

Caesar, Philip D.: *See*—
Hansford, Rowland C., and Caesar.

Calabrese, George V., assignor to Lumenite Electronic Company, Chicago, Ill. Electrode assembly. 2,470,066, May 10.

Caldwell, Walter A., West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Production of viscous aqueous alkaline solutions of vegetable globulins. 2,469,452, May 10.

Calhoun, John R., Bainbridge, and T. M. Busso, Unadilla, assignors to The Borden Company, New York, N. Y. Forming protein compositions. 2,469,546, May 10.

Callender, Edwin M., Cynwyd, R. S. Phair, Philadelphia, and H. D. Van Sciver, Merion, assignors to The Budd Company, Philadelphia, Pa. Welding current indicator and lockout. 2,470,067, May 10.

Canner, Herman M., Detroit, Mich. Tie rack. 2,470,015, May 10.

Cantral, John I.: *See*—
Silver, Walter H., and Cantral.

Cantrell, Paul C., Berkeley, Calif. Pipe support clamp. 2,469,949, May 10.

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for handling motion-picture film. 2,469,915, May 10.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
Broderick, Aubrey E.

Carl, Louis, Brooklyn, N. Y. Hammock support. 2,469,950, May 10.

Carter Carburetor Corporation, assignee: *See*—
Armstrong, James F., and Moseley.

Carter, Frank H., Taft, Calif. Divan mover. 2,469,547, May 10.

Carter, James M., Pasadena, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Producing uranium tetrabromide. 2,469,916, May 10.

Carvajal, Roberto, and J. J. Quiroga, Sewell, Chile, assignors to Kennecott Copper Corporation, New York, N. Y. Froth flotation of sulfide ores with phenyl-imido-amyl-dithiocarbonate. 2,469,368, May 10.

Celanese Corporation of America, assignee: *See*—
Blount, Edgar R.
Byer, John W.

Central National Bank of Cleveland, assignee: *See*—
Goss, Harold J.

Chace, Edward G.: *See*—
Wilcock, Donald F., and Chace.

Charbeneau, Ralph C., Mount Clemens, Mich., assignor to R. E. Watson, Pamlico County, N. C. Nursing bottle holder. 2,469,859, May 10.

Chase Brass & Copper Co. Incorporated, assignee: *See*—
Reichenbach, Howard F.

Child, Everett S., Barrington, R. I., assignor to United States Rubber Company, New York, N. Y. Connector. 2,469,495, May 10.

Christenson, Bjorn O., De Pere, Wis. Condition control system. 2,469,496. May 10.

Christian, Frank T.: *See*—
Buxton, James E., Christian, and Demure.

Church, William R.: *See*—
Lowry, Robert D., and Church.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Munson, Charles E.

Clapp, Roger E., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,470,016, May 10.

Clark, Lawrence E., Arlington, Va. Communications copy and schedule holder. 2,469,369, May 10.

Clark, Paul J., Germantown, Pa. Check feeding machine. 2,470,017, May 10.

Cline, Wesley W., Charleston, W. Va. Selective information tab device. 2,469,762, May 10.

Coble, Ernest L., East Cleveland, assignor to The Star Welding & Manufacturing Company, Inc., Cleveland, Ohio. Ladder jack. 2,469,593, May 10.

Coby, George, Attleboro, Mass., assignor of forty per cent to J. V. Puglisee, Providence, R. I. Glass tube bottoming machine. 2,469,681, May 10.

Cochrane Corporation, assignee: *See*—
Rasek, Joseph.

Cockrell, William D., Schenectady, N. Y., assignor to General Electric Company. Control device. 2,469,860, May 10.

Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Method of and mechanism for lifting portions of vehicles. 2,470,018, May 10.

Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Combination hoist, jack, and wire stretcher. 2,470,019, May 10.

Coffing Hoist Company, assignee: *See*—
Coffing, Fredrick W.

Cohen, Irwin, Brooklyn, N. Y. Crinoline skirt. 2,469,855, May 10.

Coboe, Wallace P., New York, assignor to American Chicle Company, Long Island City, N. Y. Chewing gum base. 2,469,861, May 10.

Colbeth, Ivor M., Maplewood, assignor to The Baker Castor Oil Company, Jersey City, N. J. Producing unsaturated products. 2,469,370, May 10.

Colbeth, Ivor M., Maplewood, assignor to The Baker Castor Oil Company, Jersey City, N. J. Reacting glyceride oils. 2,469,371, May 10.

Coleman, Stephen L. C., Fredericton, New Brunswick, Canada. Universal joint. 2,469,713, May 10.

Collins, George H., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating on shoes. 2,469,453, May 10.

Collins Radio Company, assignee: *See*—
Abrams, Hardin T.

Conley, Josephine M., Cleveland, Ohio. Stocking protector. 2,469,863, May 10.

Connelly, Emmett L., El Monte, Calif. Child's seat for barber chairs. 2,469,546, May 10.

Contenson, Jean L. A., Ruell-Malmaison, assignor to Societes Reunies Everite-Sitube, Paris, France. Device for molding and coating pipes and like articles. 2,470,068, May 10.

Continental Electric Company, Inc., assignee: *See*—
Petterson, Gustav E.

Conway, James F., Orange, N. J., assignor, by mesne assignments, to National Folding Box Company, Incorporated. Folding box. 2,469,497, May 10.

Conwell, Melvin E., Camp McCoy, Wis. Hair oil applicator. 2,469,763, May 10.

Cooley, Austin G., New York, N. Y., assignor to Times Facsimile Corporation. Tuning fork and control system. 2,469,951, May 10.

Cooper, Benjamin, Scotia, N. Y., assignor to General Electric Company. Thyratron motor control system. 2,469,862, May 10.

Cooper, Delmer C.: *See*—
Hagemeyer, Hugh J., Jr., and Cooper.

Cooper, Hugh S., Cleveland, Ohio. Cobalt base alloy composition. 2,469,715, May 10.

Cooper, Kenneth C., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Spill port control for free-piston units. 2,469,714, May 10.

Coppleman, Archie E., assignee: *See*—
Ritter, Saidee M.

Corning Glass Works, assignee: *See*—
Armistead, William H.

Cornish-Bess, Antonio, Santiago, Chile. Pencil point sharpener. 2,469,932, May 10.

Cornwell, Ralph E., La Canada, Calif. Hydraulic braking mechanism. 2,469,632, May 10.

Corson, William G., Barberton, Ohio. Apparatus for forming retreading strips for tires. 2,469,633, May 10.

Coston, Elmer D., assignor to Manufacturers Supplies Company, St. Louis, Mo. Folding machine. 2,469,813, May 10.

Cox, Walter Cecil, Englewood, Colo. Superspeed elevated railway. 2,469,432, May 10.

Craft, Belle B. and L. B., North Hollywood, Calif. Paint brush holder. 2,469,864, May 10.

Craft, Lynn B.: *See*—
Craft, Belle B. and L. B.

Crandall, George S.: *See*—
McCracken, John H. and Crandall.

Crane, Carlton L.: *See*—
Malm, Carl J., and Crane.

Crawford Manufactoring Co., Inc., assignee: *See*—
Boberts, Richard W., Jr.

Crompton & Knowles Loom Works, assignee: *See*—
Dion, Raymon F.
Wakefield, Walter H.

Crooks, Kenneth Donald, Chicago, Ill. Fumigating apparatus. 2,469,814, May 10.

Crouse-Hinds Company, assignee: *See*—
Parish, Willard E.

Crow, Clifford O., Columbia, Mo. Hand tool. 2,469,865, May 10.

Crowley, Frank L., assignor to Crowley's Milk Company, Inc., Binghamton, N. Y. Quick frozen homogenized milk. 2,470,020, May 10.

Crowley's Milk Company, Inc., assignee: *See*—
Crowley, Frank L.

Crown Zellerbach Corporation, assignee: *See*—
Winesett, Franklin P.

Crumrine, Chester W., Irondequoit Township, Monroe County, assignor, by mesne assignments, to L F C Corporation, Rochester, N. Y. Animal trap. 2,469,454, May 10.

Crusell, Carl A., Minneapolis, Minn. Holder for flatirons. 2,469,866, May 10.

Curtis Pump Company, assignee: *See*—
Curtis, Russell R.

Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Separating gases from liquid fuel. 2,469,917, May 10.

Curtiss, Charles B., assignor to Valley Welding & Boiler Co., Bay City, Mich. Electric heating unit. 2,469,634, May 10.

Curtiss-Wright Corporation, assignee: *See*—
Lohmann, Earle F.

Cuthill, Robert W., Springfield Township, Delaware County, Pa. Nonslipping rubber base materials. 2,469,372, May 10.

Cutler-Hammer, Inc., assignee: *See*—
Pell, Eric.

Cutright, Robert S., assignor to Wingfoot Corporation, Akron, Ohio. Box welding machine. 2,469,815, May 10.

Dahl, Roger: *See*—
Allen, Grant and Dahl.

Dalin, David, Ronninge, and G. V. Hagby, Ostertalje, assignors to A./B. Svenska Maskinverken, Sodertalje, Sweden. Steam boiler or the like having extended heat transfer surfaces. 2,469,635, May 10.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Bumper guard. 2,469,816, May 10.

Danforth, George L., Danvers, assignor to Submarine Signal Company, Boston, Mass. Hoist-lower control. 2,469,594, May 10.

Dansin, André, Paris, France, assignor to Societe Francaise Radio Electrique. Glasses having a low coefficient of expansion. 2,469,867, May 10.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorbing mechanism for draft riggings. 2,469,549, May 10.

D'Avancourt, Pierre de Vitry, Bainbridge, Pa., assignor of fifty per cent to William Boston Bailey, Huntington, W. Va. Grinding and polishing machine. 2,470,021, May 10.

Davies, Henry R., assignor to The Budd Company, Philadelphia, Pa. Center of gravity and weight indicator. 2,470,080, May 10.

Davis, Elmer M., St. Paul, Minn., assignor to Swift & Company, Chicago, Ill. Defeathering poultry. 2,469,953, May 10.

Davis, Paul B.: *See*—
Noel, Edward H., and Davis.

Dearborn, Frederick E., Washington, D. C. Production of heavy metal nicotine silicates. 2,469,808, May 10.

Dearborn, Frederick E., Washington, D. C. Production of water repellent heavy metal nicotine silicates. 2,469,869, May 10.

De Cicco, Joseph A., Callicoon, N. Y. Knife sharpener. 2,470,022, May 10.

Decker, Joseph H. and M. E., Long Beach, Calif. Carousel. 2,469,408, May 10.

Decker, Mary E.: *See*—
Decker, Joseph H. and M. E.

Deere & Company, assignee: *See*—
Silver, Walter H., and Cantral.
White, Charles H., Oehler, and Youngberg.

Delaware Engineering Corporation, assignee: *See*—
Moore, William E.

Dempsey, George, Gloversville, N. Y. Apparatus for treating skins. 2,469,636, May 10.

Demure, Itene E.: *See*—
Bruxton, James E., Christian, and Demure.

De Nie, Willem Leendert Johannes: *See*—
Rumscheidt, G. E., and de Nie.

De Pree, Lee, Holland, A. J. Barry, and D. E. Hook, assignors to The Dow Chemical Company, Midland, Mich. Production of alkylhaloselanes. 2,469,355, May 10.

Desmond-Stephan Mfg. Co., The, assignee: *See*—
Eaton, George.

Dickey, Joseph B.: *See*—
McNally, James G., and Dickey.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Monazo dye compounds containing a butadiene-1,3 grouping. 2,469,682, May 10.

Dinsley, Alfred, La Canada, Calif. Sequentially depositing reactive solutions to form an insecticide. 2,469,433, May 10.

Dion, Raymond F., Leominster, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Control for axminster loom tube frame conveyor systems. 2,469,717, May 10.

Di Santi, Thomas G., Newark, N. J. Scaffold. 2,469,716, May 10.

Dixon, Ralph Hilliard, Belleville, N. J. Cartridge firing attachment for air rifles. 2,469,870, May 10.

Doblin, Perry W.: *See*—
Ashworth, Handel, and Doblin.

Donahue, John S., Brookline, Mass., and G. E. Strehan, Leonia, N. J., said Strehan, assignor to said Donahue. Column frame. 2,469,455, May 10.

Dorr Company, The, assignee: *See*—
Warren, George T., and Jordan.

Dorrington, Neill E., and J. A. Dyker, Oswego, assignors to St. Regis Paper Company, New York, N. Y. Apparatus for packaging material. 2,469,954, May 10.

Douglas, Samuel A., Union, N. Y., assignor to Link Aviation, Inc. Valve construction for grounded aviation trainers. 2,469,918, May 10.

Dow Chemical Company, The, assignee: *See*—
Barry, Arthur J.
De Pree, Lee, Barry, and Hook.
Lowry, Robert D., and Church.
Schwegler, Clare C., and Tennant.
Stober, Kenneth E.

Dresen, James P., assignor to The Rocky Mountain Gas Equipment Company, Denver, Colo. Gas burner. 2,469,499, May 10.

Drew, E. F., & Co., Inc., assignee: *See*—
Strauss, Frank A.

Dry, John D., Bridgeport, Conn. Mechanical movement. 2,469,500, May 10.

Drying & Concentrating Company, assignee: *See*—
Hall, Joseph M.

Dudley, James R.: *See*—
Lundberg, Lennart A., and Dudley.

Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Anion active resins and producing the same. 2,469,684, May 10.

Dudley, James R., Cos Cob, and L. A. Lundberg, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Anion active resins and producing same. 2,469,683, May 10.

Dulaney, Anna D., Memphis, assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Producing an antigen for use in the diagnosis of malaria and product thereof. 2,469,456, May 10.

Dulaney, Anna D., Memphis, assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Producing an antigen for use in the diagnosis of malaria and product therefor. 2,469,457, May 10.

Dunn, R. B., assignee: *See*—
Tippett, William R.

Dunnells, Norman A., Manchester, and R. E. Gorton, assignors to United Aircraft Corporation, East Hartford, Conn. Blade form for supercharger impellers. 2,469,458, May 10.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Alderson, Witty L., Jr., and Robertson.
Beachell, Harold C.
Hoffman, Raymond A.
Kirk, Joseph S.
Salisbury, Leroy F.

Dyker, John A.: *See*—
Dorrington, Neill E., and Dyker.

Eagle, John H., assignor to Eastman Kodak Company, Rochester, N. Y. Focusing apparatus for enlargers. 2,469,685, May 10.

East Lancashire Chemical Company Limited, assignee: *See*—
Sellars, John C.

Eastman Kodak Company, assignee: *See*—
Capstaff, John G.
Dickey, Joseph B.
Eagle, John H.
Fuerst, Carl C.
Gresham, Donald C.
Hagemeyer, Hugh J., Jr., and Cooper.
Knott, Edward B.
Lee, Charles M.
Malm, Carl J., and Crane.
McNally, James G., and Dickey.
Minsk, Louis M., and Kenyon.
Moon, Nell S.
Stone, Herbert G.
Wittel, Otto.

Eaton, George, assignor to The Desmond-Stephan Mfg. Co., Urbana, Ohio. Grinding wheel dresser. 2,469,871, May 10.

Eaton, Malcolm W., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Ganging switch. 2,469,686, May 10.

Eberhart, Arthur H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Grille assembly for an air-conditioning apparatus. 2,469,955, May 10.

Edlund, Daniel L., and T. L. Oberle, Mount Lebanon, Pa., and J. Strauss, assignors to Vanadium Corporation of American, New York, N. Y. Alloys. 2,469,718, May 10.

Eichenberger, Ernst, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas blast circuit breaker. 2,469,459, May 10.

Electric Heat Devices, Inc., assignee: *See*—
Herrington, Lovic P.

Ellner, George G., Long Island, N. Y. Ray-emission apparatus. 2,469,872, May 10.

Erickson, Charles A., Dearborn, assignor, by mesne assignments, to E. L. Jacobs Co., Detroit, Mich. Diaphragm pump. 2,469,818, May 10.

Erickson, Donald R., Kalamazoo, Mich. Manufacture of hydroxy alkyl cellulose. 2,469,764, May 10.

Eriksson, Erik O., Hornsjofors, Sweden. Suction chuck. 2,469,817, May 10.

Ernest, Frederick I., Elkhart, Ind. Precision expanding adapter. 2,469,873, May 10.

Evans, S. W., & Son, assignee: *See*—
Evans, Wayne S., and Tartaglia.

Evans, Wayne S., and L. G. Tartaglia, assignors to S. W. Evans & Son, Philadelphia, Pa. Umbrella frame. 2,469,637, May 10.

Fair, James F., New Kensington, Pa. Take-up clamp. 2,469,550, May 10.

Fairchild Camera and Instrument Corporation, assignee: *See*—
Phair, Harry W.

Fairlamb, Preston B.: *See*—
Abbott, Henry H., Bascom, and Fairlamb.

Farnsworth Research Corporation, assignee: *See*—
Ferguson, Joseph C., and Mayle.
Harris, Albert S.
Mayle, Louis F.

Fawcett, Harold W., Harrogate, England. Centrifugal separator. 2,469,956, May 10.

Fearon, Robert E., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Radioactivity measurement. 2,469,460, May 10.

Feather, Donivan C., assignor of one-third to J. B. Pfonts, Portland, Oreg. Scissors joint and blade tension means. 2,469,373, May 10.

Feistner, William, executor: *See*—
Broder, Harry.

Fenn, James E., Baldwin, N. Y. Dusting powder and making same. 2,469,957, May 10.

Fergason, Rector C., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Corn harvester husking roll with resilient section. 2,469,687, May 10.

Ferguson, Joseph C., and A. T. Mayle, Jr., Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation. Modulating system. 2,470,023, May 10.

Fetsko, John J., Jr., Neville Island, Pa. Gauge support. 2,469,874, May 10.

Fibre Metal Products Company, assignee: *See*—
Bowers, Charles E.

Filander, Arthur H.: *See*—
Woodard, William E., and Filander.

Fincke, John K., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Phenylethyl sulfones. 2,470,077, May 10.

Finney, John H. V., Denver, Colo. Gravity feed centrifugal pump. 2,469,374, May 10.

First Industrial Corporation, assignee: *See*—
Eaton, Malcolm W.

Fischer, Joseph, San Diego, Calif. Propeller. 2,469,919, May 10.

Fish, Edwin B., Binghamton, N. Y. Toboggan. 2,469,765, May 10.

Fish, Glenn L., assignee: *See*—
Wessels, Henry E.

Flagle, Charles D., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Deicing apparatus for compressors. 2,469,375, May 10.

Flett, Lawrence H., Scarsdale, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Mixtures of alkyl aryl sulfonates. 2,469,376, May 10.

Flett, Lawrence H., Scarsdale, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Mixtures of alkyl aryl sulfonates. 2,469,377, May 10.

Flett, Lawrence H., Scarsdale, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Mixtures of alkyl aryl sulfonates. 2,469,378, May 10.

Flory, Paul J., Kent, and N. Rabjohn, assignors to Wingfoot Corporation, Akron, Ohio. Vulcanization of rubber compositions. 2,469,819, May 10.

Follett, Roy C.: *See*—
Munson, Alexander L., and Follett.

Food Machinery and Chemical Corporation, assignee: *See*—
Low, Frank S.

Ford, Thomas B., Jr., Fair Haven, N. J. Pressure reducing valve. 2,469,719, May 10.

Foster, Allen T., Chicago, Ill. Cooking apparatus. 2,469,595, May 10.

Foster and Kleiser Company, assignee: *See*—
Warde, Walter T.

Fowler, Roy H., Beaver Falls, Pa. Motor vehicle cover. 2,469,958, May 10.

Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Wheel lifting linkage for pallet trucks. 2,469,638, May 10.

Francis, John H., Vista, Calif. Fountain comb. 2,470,024, May 10.

Franklin, Ernest M., Kingsport, Tenn. Magazine downdraft furnace. 2,469,639, May 10.

Fraser, James, assignor to Speakman Company, Wilmington, Del. Mixing valve having accessible pressure equalising means. 2,470,025, May 10.

Fraser, Lewis H. D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Heat insulating materials and making. 2,469,379, May 10.

Frazier, Elihu E., St. Louis, Mo., assignor to The Gill-Owen Company, Litchfield, Ill. Piston ring. 2,469,959, May 10.

Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. High potential equaliser for standoff insulators. 2,469,380, May 10.

Freund, Robert R., Mount Carmel, Ill. Obstetrical and fracture attachment for bed structures. 2,470,026, May 10.

Frietsche, William E., New Hyde Park, N. Y. Safety window lock adapter. 2,469,551, May 10.

Frohrieg, Paul R.: *See*—
Tabor, Joseph M., Seibert, and Frohring.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic shutter with built-in synchroniser. 2,469,688, May 10.

Fuge, Harry B., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Dynamoelectric machine. 2,469,820, May 10.

Furlin, John, New York, N. Y. Combination chair and ladder. 2,469,720, May 10.

Fyler, George W., Stratford, Conn., assignor to General Electric Company. Automatic frequency control for pulse transmission systems. 2,469,575, May 10.

Galbraith, Edward R., East Orange, N. J. Toolholder and adapter chuck for motor-driven tools. 2,469,821, May 10.

Gaiko, Andrew J., Aberdeen, Md. Handwheel load measuring device. 2,469,381, May 10.

Gayley, Charles T., Lansdowne, Pa. Welding equipment. 2,469,382, May 10.

Geisendorff, Ernest G., Bellville, Tex. Wire stretcher. 2,469,796, May 10.

Gellman Manufacturing Company, assignee: *See*—
Petskeyes, Charles H.

General Aniline & Film Corporation, assignee: *See*—
Barnes, Carl E.
Sweet, Monroe H.

General Biochemical, Inc., assignee: *See*—
Tabor, Joseph M., Seibert, and Frohring.

General Controls Co., assignee: *See*—
Ray, William A.

General Electric Company, assignee: *See*—
Bourne, Harry K.
Cockrell, William D.
Cooper, Benjamin.
Fyler, George W.
Hannon, Cyril H., and Jenny.
Hurd, Dallas T.
Marsden, James, and Roedel.
Noel, Edward B., and Davis.
Olcott, Eugene L.
Patnode, Winton I.
Sills, Earl H.
Willcock, Donald F., and Chace.

General Mills, Inc., assignee: *See*—
Aske, Leonard E.

General Railway Signal Company, assignee: *See*—
Hitchcock, Forest H.

Gibbs, Clifford J., Houston, Tex., and J. H. Stein, Garden City, assignors to Texaco Development Corporation, New York, N. Y. Method and apparatus for removing random fluctuations from intensity measurements. 2,460,383, May 10.

Gidley, Philip T., Fairhaven, Mass., assignor, by mesne assignments, to Standard Oil Development Company. Electrical cable composition. 2,469,721, May 10.

Giese, Walter, Chicago, Ill. Bonding teeth to dental plates. 2,469,822, May 10.

Gill-Owen Company, The, assignee: *See*—
Frazier, Elihu E.

Gillespie, Henderson C., Moorestown, N. J., assignor to Radio Corporation of America. Method of and apparatus for forming stockings and the like. 2,469,640, May 10.

Gilron Products Company, assignee: *See*—
Ororro, Gilberg H., and Henricks.
Whitbeck, Roland A.

Gilson, Robert M., Pittsburgh, and P. N. Martin, Penn Township, Allegheny County, assignors to The Union Switch and Signal Company, Swissvale, Pa. Railway track circuit apparatus. 2,469,960, May 10.

Gogniat, Theodore, Pittsburgh, Pa. Portable fire alarm. 2,469,501, May 10.

Gohn, Joseph F., assignee: *See*—
Witthoft, Charles H.

Goldberg, Harold, assignor to Bendix Aviation Corporation, Towson, Md. Pulse-time modulator. 2,470,027, May 10.

Goldman, Aron L.: *See*—
Maiki, Moises, Matzkin, and Goldman.

Gordon, James F., Baltimore, Md., assignor to Bendix Aviation Corporation, Towson, Md. Pulse generation. 2,470,028, May 10.

Gorton, Robert E.: *See*—
Dunnells, Norman A., and Gorton.

Goss, Harold J., Nashua, N. H., assignor to Central National Bank of Cleveland, Cleveland, Ohio. Method of and machine for making unitary setup covered boxes. 2,469,641, May 10.

Goss, William R., assignee: *See*—
Boyer, Howard B.

Gottschalck, Lawrence W., Riverdale, N. Y. Knit goods and the like, and methods. 2,469,961, May 10.

Goudreau, Delphus, Northbridge, Mass. Dual cross communion set. 2,469,552, May 10.

Gouirand, Rene, New York, N. Y. Pneumatic suspension means for vehicles. 2,469,962, May 10.

Gould, Estelle, Chicago, Ill. Slip cover. 2,469,876, May 10.

Gowen, Jessie L., Colfax, Wash. Corset stay. 2,469,722, May 10.

Gratkowski, Alexander P., Scranton, Pa. Sash holder. 2,469,464, May 10.

Green, Vernon L.: *See*—
Nystrom, Karl F., and Green.

Greene, Wallace, New York, N. Y. Frame mounted axially collapsing type tire removing apparatus. 2,469,723, May 10.

Greiner, Carl F., assignee: *See*—
Harrison, John F.

Gresham, Donald C., Wealdstone, England, assignor to Eastman Kodak Company Rochester, N. Y. Making apertured metal sheets. 2,469,689, May 10.

Gretsch, Fred, Manufacturing Company, The, assignee: *See*—
Strong, Emerson.

Grewe, Edward A., Milwaukee, Wis. Blowgun. 2,469,642, May 10.

Groom, Percy G., Hamilton, Ontario, Canada. Spring. 2,469,596, May 10.

Groszjean, Harry W., and E. M. A. Sizer, Milwaukee, Wis. Heating unit. 2,469,963, May 10.

Gross, George W., Linden, N. J., assignor to Standard Oil Development Company. Hydrocarbon fractionating. 2,469,724, May 10.

Grupen, James L., San Gabriel, Calif. Insulator for line wires. 2,469,384, May 10.

Gubrud, Adolph P., Hudson, S. Dak. Grade indicator. 2,470,029, May 10.

Guigas, Gustav, Livingston, N. J. Method of and apparatus for beating, sizing, or forming quartz tubes and profiles. 2,469,597, May 10.

Gulf Research & Development Company, assignee: *See*—
Bowman, John E.
Bowman, John R., and Steinback.

Haaky Manufacturing Company, assignee: *See*—
Axell, Archie.

Haberman, Harry M., New York, N. Y. Combination tool. 2,469,377, May 10.

Habuda, Martin, Thorold, Ontario, Canada. Toilet paper dispensing apparatus. 2,470,030, May 10.

Hagby, Gustav V.: *See*—
Dalin, David, and Hagby.

Hagemeyer, Hugh J., Jr., and D. C. Cooper, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Continuous process of producing beta lactones. 2,469,090, May 10.

Haggerty, Vincent: *See*—
Winter, Arthur, and Haggerty.

Hagquist, Gustaf E.: *See*—
Rundell, Rupert E., and Hagquist.

Hall, Joseph M., Chicago, Ill., assignor to Drying & Concentrating Company. Spray drier apparatus. 2,469,553, May 10.

Hallewell, Harold S., assignee: *See*—
Porter, Charles B. A., and Seymour.

Hallin, Karl E. E., assignor to Aktiebolaget C. E. Johansson, Eskilstuna, Sweden. Combination length bar. 2,469,502, May 10.

Hallock, Eugene D., Snyder, N. Y. Razor blade testing device. 2,469,385, May 10.

Hamilton, James O., Dundalk, and L. J. Rosankowski, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing adjustable resistances. 2,469,465, May 10.

Hammond, Alice S., assignee: *See*—
Hammond, Claude G.

Hammond, Claude G., assignor to A. S. Hammond, Athens, Ga. Stabilized natural soil composition. 2,469,356, May 10.

Handloser, Edward J., Chesapeake, Ohio. Banjo head tightener. 2,469,643, May 10.

Hannon, Cyril H., and A. L. Jenny, Pittsfield, Mass., assignors to General Electric Company. Switch contact. 2,469,878, May 10.

Hansen, Odd A., and G. H. Smith, Kenmore, N. Y., assignors to The Linde Air Products Company. Apparatus and method for filling gas storage cylinders. 2,469,434, May 10.

Hansford, Rowland C., Woodbury, and P. D. Caesar, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Alkylation of thiophene. 2,469,823, May 10.

Hanson, Adolph N., Coulee Dam, Wash. Spud wrench holder. 2,469,366, May 10.

Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Methylol dithionaphthoates. 2,469,824, May 10.

Hardman, Peck & Company, assignee: *See*—
Sauerland, Joseph.

Harper, Howard W., Bridgeport, Conn. Electric demand controller. 2,469,645, May 10.

Harris, Albert S., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Harmonic class c amplifier. 2,469,598, May 10.

Harris, Margaret L., Hamilton, Mont. Adjustable house dress. 2,470,031, May 10.

Harris-Seybold Company, assignee: *See*—
Spiller, William R., and West.

Harrison, John F., assignor of one-fourth to C. F. Greiner, Springfield, Ohio. Work positioner. 2,469,644, May 10.

Hartford National Bank and Trust Company, assignee, trustee: *See*—
Bergmans, Jan, Kronouer, and Leenwin.
Nemet, Anthony, and Beriadel.
Strutt, Maximilliaan J. O., and van der Ziel.

Hartman, Paul L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,469,964, May 10.

Hawes, Albert H., assignor, by mesne assignments, to Kwikform Limited, Birmingham, England. Apparatus for moiding building blocks. 2,469,599, May 10.

Haynor, Ethel N., assignee: *See*—
Ritter, Saidee M.

Heckman, William, Longmire, Wash., assignor to the United States of America as represented by the Secretary of the Interior. Conversion unit for fire finders. 2,469,387, May 10.

Heil, Vernon E.: *See*—
Hensel, Frans R., Wiggs, and Heil.

Hellbron, Ian M., and E. R. H. Jones, London, England. Manufacture of 2,5 dimethylfuran and acetonylacetone. 2,470,070, May 10.

Heinrich, Raymond L., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elisabeth, N. J. Synthetic lubrication oil production. 2,469,725, May 10.

Held, Joseph E., assignor to American Cystoscope Makers, Inc., New York, N. Y. Multiple lens hand type ophthalmoscope. 2,469,388, May 10.

Helibach, Rudolph, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Self-advancing winding reel. 2,469,787, May 10.

Hellman, Karl H., New York, N. Y., and H. N. Schmidt, Philadelphia, Pa. Indicator. 2,469,389, May 10.

Henkel, Ferdinand J., Royal Oak, assignor to Lamina Dies and Tools, Inc., Berkley, Mich. Machine tool. 2,469,920, May 10.

Henricks, John A.: *See*—
Orosco, Gilbert H., and Henricks.

Herrington, Lovic P., Hamden, Conn., assignor, by mesne assignments, to Electric Heat Devices, Inc., Pittsburgh, Pa. Heater. 2,469,466, May 10.

Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Spark plug. 2,470,033, May 10.

Hensel, Frans R., J. W. Wiggs, and V. E. Heil, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric contact formed of a ruthenium composition. 2,470,034, May 10.

Heslop, Robert N., F. Irving, and A. Livingston, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Vat dyestuffs. 2,470,032, May 10.

Heydle, Fredrich, Youngstown, Ohio. Lighter. 2,469,768, May 10.

Heyl, Dorothea, assignor to Merck & Co., Inc., Rahway, N. J. The process of preparing the lactone of 2 methyl 3 hydroxy 4 carboxy 5 hydroxy-methyl pyridine. 2,469,554, May 10.

Heywood-Wakefield Company, assignee: *See*—
Wickman, Helmer W., and Racine.

Hill, Jack M.: *See*—
Linda, John W., and Hill.

Hillery, Arthur M., Leominster, Mass. Combined comb and nail file. 2,469,760, May 10.

Hilton, John L., Chelmsford, England, assignor to Norma-Hoffmann Bearings Corporation, Stamford, Conn. Axle box. 2,470,071, May 10.

Hirsch, Abraham A., New Orleans, La. Regenerable desiccator. 2,469,435, May 10.

Hitchcock, Forest B., assignor to General Railway Signal Company, Rochester, N. Y. Selective radio communication system for a plurality of stations. 2,469,555, May 10.

Hjelmblad, Karl W. J., Alsten, Sweden. Grinding machine. 2,469,770, May 10.

Hoelzberger, William G., Baton Rouge, La., assignor to Standard Oil Development Company. Desulfurization of tri-isobutylene. 2,469,726, May 10.

Hoe, R. & Co., Inc., assignee: *See*—
Stobb, Anton, and Albrecht.

Hoenselaar, Harry J., St. Albans, N. Y. Apparatus for slicing ham on the bone. 2,470,078, May 10.

Hoffman, Raymond A., Euclid, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrodeposition of nickel. 2,469,727, May 10.

Hoge, George F., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Valve. 2,469,921, May 10.

Hogreff, William E., Chicago, Ill. Manually operated rowboat. 2,469,646, May 10.

Hollander, Leo B., Sullivan, Mo. Slip lasted platform shoe. 2,469,647, May 10.

Holmes, August, Cranford, N. J., assignor to Standard Oil Development Company. Increasing adhesivity of asphalt to mineral aggregate consisting of mollusk shells. 2,469,725, May 10.

Holt, Donald C., Oradell, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Aligning clamp for welding. 2,469,965, May 10.

Hoos, Hunter E., assignor to Victor Adding Machine Co., Chicago, Ill. Key lever spacer and guide for stenographic machines. 2,469,390, May 10.

Hook, Donald E.: *See*—
De Pree, Lee and Barry and Hook.

Horning, James W., Bloomsburg, Pa. Quick release device for parachute harnesses. 2,469,391, May 10.

Hornstein, Samuel, Chicago, Ill. Automatic print washer. 2,469,825, May 10.

Horowitz, Robert M.: *See*—
Morris, Rupert C., and Horowits.

Horton, Frank R.: *See*—
Liddle, John S., Horton, and Armstrong.

Hotpoint Inc., assignee: *See*—
Vogel, Oliver G.
Vogel, Oliver G., and Ziffrin.

Hondaille-Hershey Corporation, assignee: *See*—
Dall, Edward D.
Johnson, Bernard C.

House, Samuel G., assignor of one-half to V. D. Payne, Jr., Abilene, Tex. Automatic control for refrigerators. 2,469,648, May 10.

Howell, Albert S., Culver, Ind., assignor to Bell & Howell Company, Chicago, Ill. Intermittent strip feed mechanism. 2,469,503, May 10.

Howland, Louis H.: *See*—
Tewksbury, Lyndon B., Jr., and Howland.

Hubbell, Clarence Z., Endicott, N. Y. Loose-leaf binder. 2,469,922, May 10.

Hudkins, Clyde, Moundsville, W. Va. Square. 2,470,035, May 10.

Hunter, James B., Upper Darby, assignor to The Atlantic Refining Company, Philadelphia, Pa. Heat exchange method for the drop-wise condensation of vapors. 2,469,729, May 10.

Hunter, William W., and I. McNab, Esquimalt, British Columbia, Canada. Stirring device. 2,469,649, May 10.

Hurd, Dallas T., Schenectady, N. Y., assignor to General Electric Company. Preparation of boron compounds. 2,469,767, May 10.

Hutchinson, Paul E., Rochester, N. Y. Sharpening lawn mower blades. 2,469,730, May 10.

I. T. E., Circuit Breaker Company, assignee: *See*—
Scott, William M., Jr.

Idle, James G., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dish supporting rack structure. 2,469,966, May 10.

Illinois Railway Equipment Company, assignee: *See*—
Johnson, Malcolm S., and Oakley.

Imagineering Corporation, assignee: *See*—
Johns, Harold A.

Imperial Chemical Industries Limited, assignee: *See*—
Caldwell, Walter A.
Heslop, Robert N., Irving, and Livingston.
McLean, Andrew, and Marrian.
Tyre, Alexander T.

Ingraham, Joseph H., Easton, Md., and W. A. Williams, assignors to The American Pulley Company, Philadelphia, Pa. Drum agitator. 2,469,557, May 10.

Insulation Products Company, assignee: *See*—
Sloat, John E.

Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Heckman, William.
Roller, Paul S.

International Business Machines Corporation, assignee: *See*—
Leathers, Ward.

International Harvester Company of Canada Limited, assignee: *See*—
Scarlett, Arthur A., and James.

Interval Instruments, Inc., assignee: *See*—
Rieber, Frank.

Irving, Francis: *See*—
Heslop, Robert N., Irving, and Livingston.

Irving, John S., Birmingham, England. Internally expanding brake for vehicles. 2,469,826, May 10.

Isserstedt, Siegfried G., Toronto, Ontario, Canada. Multiple push-button switch. 2,469,650, May 10.

Jackman, Elmer F.: *See*—
Stecher, Henry D., and Jackman.

Jackman, Helen E., administratrix: *See*—
Stecher, Henry D., and Jackman.

Jackson, James G., Vancouver, British Columbia, assignor of one-half to J. N. Trumpour, Port Alberni, British Columbia, Canada. Audible reel signal for motion-picture projectors. 2,469,731, May 10.

Jacobs, F. L., Co., assignee: *See*—
Erickson, Charles A.

Jacobson, Carl A., Ardmore, Pa., assignor to The Baldwin Locomotive Works. Opposed piston engine construction with removable cylinders. 2,469,651, May 10.

Jacobson, Hamae W., St. Louis Park, Minn. Children's sleeping garment. 2,469,556, May 10.

Jacoby, Arthur L.: *See*—
Bird, Paul G., and Jacoby.

James, Howell N.: *See*—
Scarlett, Arthur A., and J.

Jasco, Incorporated, assignee: *See*—
Smyers, William H.

Jaskala, Louie C., San Francisco, Calif. Signaling device for mailboxes. 2,469,558, May 10.

Jenny, Alfred L.: *See*—
Hannon, Cyril H., and Jenny.

Jensen Manufacturing Company, assignee: *See*—
Knowles, Hugh S.

Jeppson, Thelma W., Los Angeles, Calif. Facial hydrotherapeutic device. 2,469,771, May 10.

Johns, Harold A., assignor to Imagineering Corporation, Chicago, Ill. Ladder. 2,469,559, May 10.

Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Evaporator unit. 2,469,828, May 10.

Johnson, Glenn D., Compton, assignor to Baash-Ross Tool Company, Los Angeles, Calif. Casing head. 2,469,772, May 10.

Johnson, Joseph P., assignor to Wingfoot Corporation, Akron, Ohio. Coagulation of emulsion polymers. 2,469,827, May 10.

Johnson, Malcolm S., and O. F. Oakley, assignors to Illinois Railway Equipment Company, Chicago, Ill. Brake beam supporting means for railroad cars. 2,469,504, May 10.

Johnson, Robert C.: *See*—
Laubach, Howard E., Johnson, and Kramer.

Johnson, S. C. & Son, Inc., assignee: *See*—
Bridgeman, Walter A.

Johnson Service Company, assignee: *See*—
Wohrer, Henry.

Jones, Charles R., Berkley, Mich. Mirror support having spacing frame. 2,469,923, May 10.

Jones, Ewart R. H.: *See*—
Hellbron, Ian M., and Jones.

Jones, Frank: *See*—
Booth, Earl C., and Jones.

Jones, Lyman L., and J. B. Ystrom, Seattle, Wash., assignors to American Can Company, New York, N. Y. Can soldering method and apparatus. 2,469,392, May 10.

Jones, Peter: *See*—
Quayle, Joshua C., and Jones.

Jones, Russell A., Akron, Ohio. Pool ball spotting frame. 2,469,652, May 10.

Jordan, Reginald A.: *See*—
Warren, George T., and Jordan.

Jordan, Sidney W., Cleveland, Ohio. Vise with quick positioning jaws. 2,469,600, May 10.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for shaping uppers over lasts. 2,469,407, May 10.

Joy Manufacturing Company, assignee: *See*—
Simmons, Leon E.

Judd, Frank M., Bellingham, Wash. Electric heating and drying device for footwear. 2,469,468, May 10.

Jutte, William B., Philadelphia, Pa. Indicator plug. 2,469,560, May 10.

Kaiser, Emil, and J. Svarz, assignors to Armour and Company, Chicago, Ill. Cyclopentano perhydrophenanthrene compounds. 2,469,967, May 10.

Kalitinsky, Andrew, Eagleville, assignor to United Aircraft Corporation, East Hartford, Conn. Turbine cooling. 2,469,732, May 10.

Kamborian, Jacob S., West Newton, Mass. Force-lasted shoe. 2,469,561, May 10.

Kearby, Kenneth K., Cranford, N. J., assignor to Standard Oil Development Company. Cracking oil with aerogel catalysts. 2,469,733, May 10.

Keefer Industries, assignee: *See*—
Keefer, Leonard O.

Keefer, Leonard O., assignor to Keefer Industries, Spokane, Wash. Bleed valve. 2,469,505, May 10.

Keith, Kenneth M.: *See*—
Ronning, Martin, and Keith.

Kellogg, M. W., Company, The, assignee: *See*—
Holt, Donald C.
Pyzel, Robert.

Kelsey, Robert A., Glendale, Calif. Garment hanger. 2,470,079, May 10.

Kennecott Copper Corporation, assignee: *See*—
Carvajal, Roberto, and Quiroga.

Kennedy, Joseph E., New York, N. Y. Material drying apparatus. 2,469,562, May 10.

Kenyon, William O.: *See*—
Misak, Louis M., and Kenyon.

Kerr, Kingdon, Los Angeles, and Malte Swensson, West Los Angeles, Calif. Folding wheel trailer. 2,469,506, May 10.

Kessler, Charles A., Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine table. 2,469,968, May 10.

Kinard, Robert K., Allentown, Pa., assignor to Western Electric Company, Incorporated, New York, N. Y. Lapping machine. 2,469,563, May 10.

King, Carl C., Massapequa, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Canopy construction. 2,469,436, May 10.

Kinser, John P., Ridgefield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method and system for measuring frequency. 2,469,829, May 10.

Kirk, Joseph S., Newtown, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Quinonedo resorcinol tanning agent and process. 2,469,437, May 10.

Kirk, Joseph S., Newtown, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Quinonedo resorcinol tanning agent and process. 2,469,438, May 10.

Kluge, Herman D., Wappingers Falls, and E. C. Knowles, Beacon, assignors to The Texas Company, New York, N. Y. Oxidation inhibitors. 2,469,469, May 10.

Knott, Edward B., Harrow, Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. 2-bis(5-cyclylpyrrole) azamethine dyes. 2,469,830, May 10.

Knowles, Edwin C.: *See*—
Kluge, Herman D., and Knowles.

Knowles, Hugh S., River Forest, Ill., assignor to Jensen Manufacturing Company. Loud-speaker diaphragm support member. 2,469,773, May 10.

Kolter, Louis W., Sr., Knoxville, and W. G. Kolter, Oak Ridge, Tenn. Cigarette lighter. 2,469,507, May 10.

Kolter, William G.: *See*—
Kolter, Louis W., Sr., and Kolter.

Kopp, Jean, Berne, Switzerland. Stepless variable change-speed gear with roller bodies. 2,469,653, May 10.

Kosinski, John, New Hyde Park, N. Y. Sectional shield device. 2,469,774, May 10.

Kowan, Maurice H., Los Angeles, Calif. Proctoscope. 2,469,880, May 10.

Kramer, Vincent J.: *See*—
Laubach, Howard E., Johnson, and Kramer.

Kris, Gerda, Bellevue Hill, Sydney, New South Wales, Australia. Brassière. 2,469,654, May 10.

Kronouer, Johan G.: *See*—
Bergmans, Jan, Kronouer, and Leenwin.

Kuns, John G., Jr., Battle Ground, Wash. Rheostat with switch. 2,469,924, May 10.

Kwikform Limited, assignee: *See*—
Hawes, Albert H.

L F C Corporation, assignee: *See*—
Crumrine, Chester W.

Lamina Dies and Tools, Inc., assignee: *See*—
Henkel, Ferdinand J.
La Soudure Electrique Autogene, Societe Anonyme, assignee: *See*—
Schmerber, Raoul J.
Latshaw, Elmer, Philadelphia, Pa., assignor to ACF-Brill Motors Company, New York, N. Y. Spring. 2,469,925, May 10.
Laubach, Howard E., Cincinnati, and R. C. Johnson and V. J. Kramer, Norwood, assignors to The Boye & Emmes Machine Tool Company, Cincinnati, Ohio. Headstock transmission gear shifting mechanism. 2,469,881, May 10.
Lauritsen, Charles C., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Hocket device. 2,469,350, May 10.
Lauritsen, Charles C., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Fuse. 2,469,351, May 10.
Lauritsen, Charles C., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Fuse. 2,469,352, May 10.
Lawrie, Henry D., Wilmette, Ill. Folding machine. 2,470,072, May 10.
Layton, Ray, Muskegon, Mich. Combination micrometer. 2,469,926, May 10.
Leake, James M., Monroe, Mich. Engine rocker arm. 2,469,564, May 10.
Lear, Incorporated, assignee: *See*—
Lear, William P.
Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Directional radio receiver system. 2,469,970, May 10.
Leathers, Ward, Brooklyn, assignor to International Business Machines Corporation, New York, N. Y. Counter actuating and resetting mechanism. 2,469,855, May 10.
Ledwith, Walter A.: *See*—
Buck, Richard S., and Ledwith.
Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Bearing and seal assembly for turbines. 2,469,734, May 10.
Lee, Charles M., assignor to Eastman Kodak Company, Rochester, N. Y. Lens-mount focusing cap. 2,469,891, May 10.
Lee, Clement T., Cleveland, Ohio. Impact absorbing article of footwear. 2,469,969, May 10.
Lee, Gustav A., Spokane, Wash. Door latch. 2,469,601, May 10.
Lee, John: *See*—
Pipia, Giuseppe, and Lee.
Leeuwin, Max: *See*—
Bergmans, Jan, Kronouer, and Leeuwin.
Leigh, Ethel M., Lyndhurst, N. J. Moving picture toy. 2,469,602, May 10.
Lemay, Albert E., Bath, Maine. Pivoted bender with abutment roller adjustably mounted on vertically inclined bracket. 2,470,036, May 10.
Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Building construction. 2,469,603, May 10.
Levin, Irvin, Asbury Park, N. J. Rectifier. 2,469,393, May 10.
Lewis, Leroy M., Rosemont, Pa. Deluge valve. 2,469,831, May 10.
Lewis, Leroy M., Rosemont, Pa. Automatic sprinkler. 2,469,832, May 10.
Lichty, Joy G., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of butadiene and alkyl esters of alpha, beta dichloroacrylic acid. 2,469,833, May 10.
Liddle, John S., F. R. Horton, and E. A. Armstrong, El Dorado, Ark. Electrical metering assembly. 2,470,037, May 10.
Liepert, Peter H., Detroit, Mich. Vaporizer. 2,469,656, May 10.
Lifka, Charles E., assignee: *See*—
Tarnow, Nathan.
Lima-Hamilton Corporation, assignee: *See*—
Woodard, William E., and Filander.
Linda, John W., and J. M. Hill, Shafter, Calif. Vertically adjustable tray for automobiles. 2,469,657, May 10.
Linde Air Products Company, The, assignee: *See*—
Hansen, Odd A., and Smith.
Lindsay, Edward C., Newton Falls, Ohio, and E. L. Anderson, assignors to Standard Steel Spring Company, Coraopolis, Pa. Polishing machine. 2,469,735, May 10.
Link Aviation, Inc., assignee: *See*—
Douglas, Samuel A.
Liston, Benjamin F., Garrettaville, Ohio. Apparatus for removing icicles from the eaves of buildings. 2,469,971, May 10.
Livingston, Alistair: *See*—
Heslop, Robert N., Irving, and Livingston.
Locke, Arthur A., Detroit, Mich. Continuous drier. 2,469,882, May 10.
Lock Joint Pipe Company, assignee: *See*—
Wilhelm, Loomis G.
Logan, Alexander, Dundalk, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming metal tapes into tubular conductors. 2,469,565, May 10.
Lohmann, Earle F., Overland, Mo., assignor to Curtiss-Wright Corporation. Apparatus for rolling flanges on tubes. 2,469,775, May 10.
Long, E., Limited, assignee: *See*—
Patmore, De Forest C.
Long, Gleeman D., Sterling, Kans. Dowelling jig. 2,470,038, May 10.
Lord, Hugh C., Erie, Pa. Cushioned tire. 2,469,394, May 10.
Lorentzen Hardware Mfg. Corp., assignee: *See*—
Nelson, Harry.
Lovig, Edward E., Chicago, Ill. Apparatus and process for making filaments. 2,470,039, May 10.
Low, Frank S., Bronxville, assignor to Food Machinery and Chemical Corporation, New York, N. Y. Electrolytic cell and operating same. 2,470,073, May 10.
Low, John J., Los Angeles, Calif. Spring suspension for vehicle trucks. 2,469,566, May 10.
Lowry, Robert D., and W. R. Church, assignors to The Dow Chemical Company, Midland, Mich. Machine for welding thermoplastic films. 2,469,972, May 10.
Lufkin Rule Co., The, assignee: *See*—
Witchger, Eugene J.
Lumenite Electronic Company, assignee: *See*—
Calabrese, George V.
Lundberg, Lennart A.: *See*—
Bradley, James R., and Lundberg.
Lundberg, Lennart A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Anion active resins prepared from alkylene polyamines and hydroxy-substituted aliphatic polyhalides. 2,469,693, May 10.
Lundberg, Lennart A., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Removing anions from liquids. 2,469,694, May 10.
Lundberg, Lennart A., Stamford, and J. R. Dudley, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Removing anions frum liquids. 2,469,692, May 10.
Lundquist, Wilton G., Hobokus, N. J., assignor to Wright Aeronautical Corporation. Gas turbine. 2,469,439, May 10.
Lyon, Harold R., Montreal, Quebec, Canada. Ski retainer. 2,469,604, May 10.
Mackin, James D., and E. W. Bergmann, Monroe, Mich.; said Mackin assignor to said Bergmann. Collapsible perambulator. 2,470,040, May 10.
Milder, Hermann, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie, Winterthur, Switzerland. Mounting means for spinning rings. 2,469,658, May 10.
Maerz, Henry, assignor to Self Winding Clock Company, Inc., Brooklyn, N. Y. Electric clock motor and system. 2,469,834, May 10.
Mageoch, Nelson H., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Plating machine. 2,469,470, May 10.
Mahler, William C.: *See*—
Roth, Jay M., and Mahler.
Mahon, James: *See*—
Wood, George, and Mahon.
Mainardi, Marcus N.: *See*—
Mainardi, Pompey, and M. N.
Mainardi, Pompey, and M. N. Mainardi, Hawthorne, N. J. Infinity sight view finder. 2,469,927, May 10.
Malki, Moises, B. Matzkin, and A. L. Goldman, Buenos Aires, Argentina. Electrical accumulator with tubular electrodes. 2,469,508, May 10.
Mallory, P. R., & Co., Inc., assignee: *See*—
Hensel, Franz R.
Hensel, Franz R., Wiggs, and Heil.
Nulsen, Marvin E.
Malluk, Assad M., New York, N. Y. Gas tank drain lock. 2,469,973, May 10.
Malm, Carl J., and C. L. Crane, assignors to Eastman Kodak Company, Rochester, N. Y. Precipitation of cellulose triacetate. 2,469,395, May 10.
Manning, Matthew J., East Detroit, Mich., assignor to The Budd Company, Philadelphia, Pa. Welding device. 2,470,074, May 10.
Manufacturers Supplies Company, assignee: *See*—
Corton, Elmer D.
Marinsky, Davis, Bronx, N. Y.; L. H. Morin, executor of said D. Marinsky, deceased, assignor of one-half to said L. H. Morin. Removable top stop. 2,469,509, May 10.
Markem Machine Company, assignee: *See*—
Robbins, Charles F.
Markey, William C., Seattle, Wash. Steam cargo hoist. 2,469,567, May 10.
Marrian, Stanley F.: *See*—
McLean, Andrew, and Marrian.
Marsden, James, and G. F. Roedel, Schenectady, N. Y., assignors to General Electric Comany. Preparation of methyl silicone elastomers. 2,469,883, May 10.
Marsh, John W., Alexandria, Va. Valve structure. 2,470,041, May 10.
Martin, Glenn L., Company, The, assignee: *See*—
Albrecht, Frita.
Hoge, George F.
Martin, James, Higher Denham, near Uxbridge, England. Tethering device for airplanes. 2,469,659, May 10.
Martin, James, Higher Denham, near Uxbridge, England. Control of variable pitch airscrews for aircraft. 2,469,660, May 10.

Martin, Paul N.: *See*—
Gilison, Robert M., and Martin.
Martinmaas, Werner W., Jr., Orient, S. Dak. Rotary vane engine. 2,469,510, May 10.
Masone, Antheny N., Waterbury, Conn. Revolving Christmas tree stand. 2,469,884, May 10.
Matter, Roger E.: *See*—
Osterberg, Harold, and Matter.
Matzkin, Boris: *See*—
Malki, Moises, Matzkin, and Goldman.
Mawdsley's Limited, assignee: *See*—
Minchin, Cecil W. H.
Mayle, Albert T., Jr.: *See*—
Ferguson, Joseph C., and Mayle, Jr.
Mayle, Louis F., Fort Wayne, Ind., assignor by mesne assignments, to Farnsworth Research Corporation. Video signal level control. 2,469,606, May 10.
McBrayer, Marvin L., Alhambra, Calif. Electronic apparatus for determining moisture content in materials. 2,469,736, May 10.
McCain, Cecil C., Glen Ellyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone calling dial. 2,469,974, May 10.
McCaskey Register Company, The, assignee: *See*—
Weaver, Galen K.
McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Method for charging individual capsules with a compressed gas. 2,469,975, May 10.
McCracken, John H., Cumberland, Md., and G. S. Crandall, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Preparation of dinitroparaffins. 2,469,396, May 10.
McElrath, Thomas S., Sophia, W. Va. Mounting for field coil supports. 2,469,661, May 10.
McGee, George A., Hartford, Conn. Stove rack. 2,469,776, May 10.
McGhee, Curtis E., assignee: *See*—
Bell, Keith L.
McKay, Augusta P., assignor to Rome Plow Company, Cedartown, Ga. Connecting and operating mechanism for tractor drawn devices. 2,469,605, May 10.
McKeon, William D., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for removing shoes from lasts. 2,469,471, May 10.
McLean, Andrew, West Kilbride, and S. F. Marrian, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Flameproofing combustible cellulosic material and product resulting therefrom. 2,470,042, May 10.
McMartin, Florence H., Duluth, Minn. Bib. 2,469,835, May 10.
McNab, Ian: *See*—
Hunter, William W., and McNab.
McNab, John G., Cranford, and H. W. Rudel, Roselle Park, N. J., assignors to Standard Oil Development Company. Addition agent for gasoline. 2,469,737, May 10.
McNally, James G., Kingsport, Tenn., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Nitroaminobenzene ester compounds. 2,469,695, May 10.
Melsener, John, New York, N. Y. Tuning device for pianofortes. 2,469,738, May 10.
Meltzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Starting control for free-piston units. 2,469,739, May 10.
Merck & Co., Inc., assignee: *See*—
Heyl, Dorothea.
Meyer, Erwin, assignor to Abrasive Dressing Tool Company, Detroit, Mich. Abrasive wheel and making the same. 2,469,398, May 10.
Mezek, Melvin E., Chicago, Ill. Electrical connector. 2,469,307, May 10.
Michigan Tool Company, assignee: *See*—
Anderson, Marvin R.
Miesener, Benjamin F., Morristown, N. J. Piano action. 2,469,568, May 10.
Miller, Edwin A., Fairfield, Conn. Mechanism for sequential contact switches. 2,469,976, May 10.
Miller, Roman R.: *See*—
Burgess, David S., Ramskill, and Miller.
Millson, Henry E., Plainfield, and S. Mooradian, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Dyeing with metallized dyes. 2,470,080, May 10.
Milone, Charles R., assignor to Wingfoot Corporation, Akron, Ohio. Beta-cyano vinyl acetic acid esters. 2,469,836, May 10.
Minchin, Cecil W. H., assignor to Mawdsley's Limited, Dursley, England. Dynamoelectric machine. 2,469,662, May 10.
Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Minneapolis-Moline Company, assignee: *See*—
Rouning, Martin, and Keith.
Minsk, Louis M., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing water-soluble polyacrylamide. 2,469,606, May 10.
Mohr, Milton E., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating system. 2,469,837, May 10.
Molla, Charles P., New Hyde Park, N. Y. Collapsible firebox. 2,469,885, May 10.
Monitor Controller Company, assignee: *See*—
Frese, Joseph F.

Monsanto Chemical Company, assignee: *See*—
Fincke, John K.
Powers, Donald H., and Rossink.
Reneil, Mary W.
Monserrat, Nicholas, Rumford, R. I., assignor, by mesne assignments, to Pantex Manufacturing Corporation. Apparatus for drying having safety and sequence controls. 2,470,043, May 10.
Montclair Research Corporation, assignee: *See*—
Rust, John B.
Moon, Neil S., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of 2-chlorobenzothiazoles. 2,469,897, May 10.
Mooradian, Shannen: *See*—
Millson, Henry E., and Mooradian.
Moore, William E., assignor to Delaware Engineering Corporation, Pittsburgh, Pa. Arc furnace with lift and swing aside roof. 2,469,740, May 10.
Morgan, Roland J., Oakland, Calif., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Knockdown cooking grid. 2,469,698, May 10.
Merici, Nazarene G., Chicago, Ill. Combined frankfurter and roll warming and conditioning apparatus. 2,469,778, May 10.
Morin, Louis H., executor and assignee: *See*—
Marinsky, David.
Morris, Rupert C., Berkeley, and R. M. Horowitz, Los Angeles, assignors to Shell Development Company, San Francisco, Calif. Sulfolanyl carbamates. 2,469,838, May 10.
Morrison, Howard, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulser circuit. 2,469,977, May 10.
Morway, Arnold J., Clark, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Soluble cutting oil base. 2,469,741, May 10.
Moseley, James T. W.: *See*—
Armstrong, James F., and Moseley.
Moser, Frank H., assignor to The Standard Ultramarine Company, Huntington, W. Va. Producing metal phthalocyanines and their derivatives. 2,469,663, May 10.
Mohun, John L., Chicago, Ill. Serving tray. 2,469,777, May 10.
Mrosinski, John L., Danbury, Conn. Wieldable implement self-restoring to carried position. 2,469,978, May 10.
Mueller Co., assignee: *See*—
Mueller, Frank H., and Smith.
Mueller, Frank H., and J. J. Smith, assignors to Mueller Co., Decatur, Ill. Drilling machine. 2,470,044, May 10.
Mundy, John D., Los Angeles, Calif. Fishhook remover. 2,469,600, May 10.
Munson, Alexander L., Port Washington, and R. C. Follett, Garden City, N. Y. Apparatus and method of maintaining the freshness of counter displayed vegetables. 2,469,979, May 10.
Munson, Charles E., assignor to Ciba Pharmaceutical Products, Inc., Summit, N. J. Disposable dispensing device. 2,469,390, May 10.
Murch, Charles J., Franklin, Maine. Carbon arc control. 2,469,664, May 10.
Murphy Automatic Pinsetter Co., Inc., assignee: *See*—
Murphy, John F.
Murphy, Eugene, Vancouver, British Columbia, Canada. Bookrests and the like. 2,469,511, May 10.
Murphy, John F., Middleboro, assignor to Murphy Automatic Pinsetter Co., Inc., Cambridge, Mass. Pin dismatic discharging mechanism for bowling alleys. 2,469,886, May 10.
Mursch, John, Teaneck, N. J. Golf tee. 2,469,928, May 10.
Mysbrall, Frank H., Stoneham, assignor to The Palmer Electric & Manufacturing Co., Wakefield, Mass. Sander. 2,469,980, May 10.
Nachod, Frederick C., Haddonfield, N. J., and W. Wood, Philadelphia, Pa., assignors to The Permutit Company, New York, N. Y. Cation exchange materials. 2,469,472, May 10.
Nagy, John J., Arlington, Va. Condenser construction. 2,470,045, May 10.
Napier, James W., Macon, Ga.; M. H. Napier, executrix of said J. W. Napier, deceased. Electric incubator. 2,470,046, May 10.
Napier, Margaret H., executrix: *See*—
Napier, James W.
National Aluminate Corporation, assignee: *See*—
Bird, Paul G., and Jacoby.
National Folding Box Company, Incorporated, assignee: *See*—
Conway, James F.
Williamson, Marshall I.
National Lead Company, assignee: *See*—
Wainer, Eugene, and Salomon.
Naugle, John J., New York, N. Y. Siliceous magnesium-containing purifying medium and producing it. 2,469,512, May 10.
Navy, United States of America, as represented by the Secretary of the, assignee: *See*—
Lauritsen, Charles C.
Nelson, Arthur E., University City, Mo. Pivotal bracket. 2,469,981, May 10.
Nelson, Harry, assignor to Lorentzen Hardware Mf'g Corp., New York, N. Y. Venetian blind fitting. 2,469,639, May 10.

Nemet, Anthony, and M. Berindel, London, England, assignors to The Hartford National Bank & Trust Company, Hartford, Conn., as trustees. X-ray mass chest apparatus control. 2,469,982, May 10.
Neuber, Herbert K., assignee: *See*—
Weathers, Paul.
Newbold, Park L., Cedar Rapids, Iowa. Grass shears. 2,469,983, May 10.
Newell, Charles W., Moline, Ill. Firing and loading safety for automatic guns. 2,469,400, May 10.
Newhouse, Ernest J., Los Angeles, Calif. Expansion sleever. 2,469,742, May 10.
Newton, John S., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Locomotive reversing gearing. 2,469,743, May 10.
Nicorvo, Edwin J., South Amboy, N. J. Portable string of sound producing devices. 2,470,047, May 10.
Noblitt-Sparks Industries, Inc., assignee: *See*—
Booth, Earl C., and Jones.
Noel, Edward B., Cleveland Heights, and P. B. Davis, East Cleveland, Ohio, assignors to General Electric Company. Electric lamp unit. 2,469,607, May 10.
Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Can closing machine. 2,469,401, May 10.
Norma-Hoffmann Bearings Corporation, assignee: *See*—
Hilton, John L.
Norton, Frank R., assignor to Bendix Aviation Corporation, Towson, Md. Television receiver. 2,470,045, May 10.
Nowalk, Robert F., Philadelphia, Pa. Vehicle governor. 2,469,779, May 10.
Nulsen, Marvin E., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator test circuit. 2,470,049, May 10.
Nystrom, Karl F., Nashotah, and V. L. Green, Milwaukee, Wis. Railway car truck. 2,469,513, May 10.
Oakley, Olibert F.: *See*—
Johnson, Malcolm S., and Oakley.
Oberle, Theodore L.: *See*—
Edlund, Daniel L., Oberle, and Strauss.
O'Donnell, Edward M., Galva, Iowa. Combination telescoping tractor and horse-drawn hitch. 2,469,514, May 10.
Oehler, William P.: *See*—
White, Charles H., Oehler, and Youngberg.
Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Brake anchor. 2,469,402, May 10.
Ohl, Russell S., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Point contact negative resistance devices. 2,469,569, May 10.
Olander, Karl E.: *See*—
Redin, Erie G., and Olander.
Olcott, Eugene L., Schenectady, N. Y., assignor to General Electric Company. Forgeable high-temperature alloys. 2,469,887, May 10.
O'Rourke, Edward J., Ozone Park, N. Y. Lubricating and packing shaft. 2,469,515, May 10.
Orosco, Gilbert H., Euclid, and J. A. Henricks, assignors to Gilron Products Company, Cleveland, Ohio. Lubricating metal surfaces during cold working. 2,460,473, May 10.
Orth, Herbert P., Upper Darby, Pa. Metal flashing. 2,469,840, May 10.
Osterberg, Harold, and R. E. Matter, Buffalo, N. Y., assignors, by mesne assignments, to American Optical Company, Southbridge, Mass. Apparatus for coating articles. 2,469,920, May 10.
Ours, John H., Arlington, Va. Screen for gutters. 2,469,841, May 10.
Owens-Illinois Glass Company, assignee: *See*—
Fraser, Lewis H. D.
Packard Motor Car Company, assignee: *See*—
Storey, Edwin F.
Palmer Electric & Manufacturing Co., assignee: *See*—
Mylrall, Frank H.
Pankonin, William G., Chicago, Ill. Stapling device. 2,469,984, May 10.
Pankonin, William G., Chicago, Ill. Feed mechanism for stapling machines. 2,469,985, May 10.
Pantex Manufacturing Corporation, assignee: *See*—
Monsarrat, Nicholas.
Papa, Domenick: *See*—
Schwenk, Erwin, and Papa.
Paquin, Joseph N., Euclid, and E. P. Bock, Cleveland Heights, assignors to The Weatherhead Company, Cleveland, Ohio. Dehydrator. 2,469,842, May 10.
Parish, Willard E., assignor to Crouse-Hinds Company, Syracuse, N. Y. Adjustable actuating member. 2,469,570, May 10.
Parker, Joseph B., Syracuse, N. Y. Three axis attitude and direction indicator. 2,469,403, May 10.
Parrott, Robert D.: *See*—
Wise, Raleigh J., and Parrott.
Patmore, De Forest C., assignor to E. Long Limited, Orillia, Ontario, Canada. Radial adjusting sprocket. 2,469,605, May 10.
Patnode, Winton I., Schenectady, N. Y., assignor to General Electric Company. Organo-polysiloxanes. 2,469,888, May 10.
Patnode, Winton I., Schenectady, N. Y., assignor to General Electric Company. Linear methylpolysiloxanes. 2,469,890, May 10.
Patrick, Joseph C., Morrisville, Pa., assignor to Thiokol Corporation, Trenton, N. J. Polyacetal polysulfide polymers. 2,469,404, May 10.
Payne, Arthur W., assignor to Bundy Tubing Company, Detroit, Mich. Apparatus for bending tubing into serpentine coils and sweep mechanism and stop therefor. 2,469,405, May 10.
Payne, Arthur W., and A. M. Wallace, assignors to Bundy Tubing Company, Detroit, Mich. Apparatus for bending tubing into serpentine coils and sweep mechanism and index therefor. 2,469,406, May 10.
Payne, L. M., Company, assignee: *See*—
Payne, Lambert M.
Payne, Lambert M., assignor to L. M. Payne Company, Detroit, Mich. Auxiliary control device for thermostatic valves. 2,469,930, May 10.
Payne, Victor D., Jr., assignee: *See*—
House, Samuel G.
Pearson, Emil S., Portland, Oreg. Flexible locking coupling. 2,469,516, May 10.
Pearson, Reuben A.: *See*—
Ralston, Hurley D., and Pearson.
Pecker, Joseph S., Los Angeles, Calif. Instrument for rotary wing aircraft. 2,469,780, May 10.
Peerless Wire Goods Co., Inc., assignee: *See*—
Schilling, Ernest W., and Brambiett.
Pell, Eric, Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Dynamoelectric machine controller. 2,469,440, May 10.
Pennsylvania Salt Manufacturing Company, assignee: *See*—
Sprauer, Jerome W.
People in the territory of the United States, Dedicated to the free use of the: *See*—
Buechler, Roy H.
Permutit Company, The, assignee: *See*—
Nachod, Frederick C., and Wood.
Perry, Daniel D., Bainbridge, assignor to Bendix Aviation Corporation, New York, N. Y. Gasket. 2,469,474, May 10.
Peters, Jerry M., Walker, Mo. Lens holder for projector enlargers and cameras. 2,469,781, May 10.
Petersen, Charles A.: *See*—
Applegate, Walter N., and Petersen.
Petrucelli, Edwina S., Kirkland, Wash. Transparent protective garment for infants. 2,469,700, May 10.
Petskeyes, Charles H., Davenport, Iowa, assignor to Gellman Manufacturing Company, Rock Island, Ill. Sewing-machine loop taker. 2,469,517, May 10.
Petterson, Gustav E., Florham Park, assignor to Continental Electric Company, Inc., Newark, N. J. Drain arrangement for enclosures such as enclosures of explosion-proof motors or the like. 2,470,050, May 10.
Pfouts, James B., assignee: *See*—
Feather, Donivan C.
Phair, Harry W., Lyndhurst, N. J., assignor to Fairchild Camera and Instrument Corporation. Universal gyroscope-suspension system. 2,469,782, May 10.
Phair, Robert S.: *See*—
Calender, Edwin M., Phair, and Van Sciver.
Philco Corporation, assignee: *See*—
Bradley, William E., and Tellier.
Sunstein, David E.
Philips Laboratories, Inc., assignee: *See*—
Beers, John R.
Phillimore, Charles E., assignor to Bell & Howell Company, Chicago, Ill. Device for inspecting feed perforated strips. 2,469,608, May 10.
Phillips, Oliver V., Denver, Colo. Flight position indicators for aircraft. 2,469,571, May 10.
Phyfe, James D., Indianapolis, Ind., assignor to Radio Corporation of America. Sound distributing system for drive-in theaters. 2,469,986, May 10.
Pierce, John R., Millburn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron transit time tube. 2,469,843, May 10.
Plisner, Richard A., Waupun, assignor to Weaber Stamping Corporation, West Bend, Wis. Roller jack for automobile roofs. 2,469,987, May 10.
Pincock, Douglas, assignee: *See*—
Truckenmiller, Lyman A.
Pipia, Giuseppe, and J. Lee, New York, N. Y. Clothesline clamping device. 2,469,783, May 10.
Pitisci, Joseph S., Miami Springs, Fla., assignor to Wright Aeronautical Corporation. Locking plate. 2,469,441, May 10.
Polk, Louis F., assignor to The Sheffield Corporation, Dayton, Ohio. Grinding machine with automatic feed crush dressing roll. 2,469,988, May 10.
Polleys, Herbert R., New Haven, Conn., assignor to Wellman Company, Medford, Mass. Sole cutting machine. 2,469,518, May 10.
Pontius, George W., III: *See*—
Ulrich, Bernhard, Jr., and Pontius, III.
Porter, Charles B. A., and C. P. Seymour, Hillingdon, assignors to H. S. Hallewell, Hayes, Middlesex, England. Forming means for profile grinding wheels. 2,469,844, May 10.
Powers, Augustin J., Jr.: *See*—
Powers, Frank T., and A. J., and Wattier.
Powers, Donald H., Winchester, and E. H. Rossin, Melrose, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Treatment of textile materials. 2,469,407, May 10.

Powers, Donald H., Winchester, and E. H. Rossin, Melrose, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Treatment of textile material. 2,469,408, May 10.
Powers, Donald H., Winchester, and E. H. Rossin, Melrose, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Treatment of textile materials. 2,469,409, May 10.
Powers, Frank T., Glen Cove, A. J. Powers, Jr., Roslyn Heights, N. Y., and F. E. Wattier, St. Lambert, Quebec, Canada, assignors to Powers Photo Engraving Company, Glen Cove, N. Y. Color separation camera. 2,469,891, May 10.
Powers Photo Engraving Company, assignee: *See*—
Powers, Frank T., and A. J., and Wattier.
Pratt, Charles T., Solvay, N. Y. Trailer tire deflation signal. 2,469,931, May 10.
Pratt, Lawrence E., Riverdale, Ill. Reversible friction clutch wrench. 2,469,572, May 10.
Pugliese, James V., assignee: *See*—
Coby, George.
Pure Oil Company, The, assignee: *See*—
Alcorn, Irwin W., and Bond.
Bond, Donald C.
Thacker, Carlisle M.
Pyzel, Robert, New York, N. Y., assignor to The M. W. Kellogg Company, Jersey City, N. J. Forming chemical reaction products of metal oxides. 2,469,989, May 10.
Quayle, Joshua C., Helsby, and P. Jones, Kelsall, near Chester, assignors to British Insulated Callender's Cables Limited, London, England. Feeding high-frequency electric currents to the electrodes of dielectric heating apparatus. 2,469,990, May 10.
Quilter, John R. C., Woking, England. Parachute. 2,469,573, May 10.
Quilter, John R. C., Woking, England. Detachable connector for tensile members. 2,469,574, May 10.
Quinn, William, New York, N. Y. Rabbit or animal toilet. 2,469,784, May 10.
Quiroga, Juan J.: *See*—
Carvajal, Roberto, and Quiroga.
Rabjohn, Norman: *See*—
Flory, Paul J., and Rabjohn.
Racine, George A. J.: *See*—
Wickman, Heimer W., and Racine.
Radio Corporation of America, assignee: *See*—
Gillespie, Henderson C.
Phyfe, James D.
Rogers, Gordon F.
Roys, Henry E.
Shenk, Eugene R.
Ralston, Hurley D., Oak Park, and R. A. Pearson, Aurora, assignors to Sears, Roebuck and Co., Chicago, Ill. Tramway. 2,469,575, May 10.
Ramskill, Eugene A.: *See*—
Burgess, David S., Ramskill, and Miller.
Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Electromagnetic switching system. 2,469,609, May 10.
Riz-Ammann, Hermann, Thun, Switzerland; I. Riz-Ammann, sole heiress of said H. Riz-Ammann. Antiskid chain. 2,469,666, May 10.
Riz-Ammann, Ida, sole heiress: *See*—
Riz-Ammann, Thun.
Razek, Joseph, Llanereh, assignor to Cochrane Corporation, Philadelphia, Pa. Telemetering system for transmitting indications of movements. 2,469,744, May 10.
Redin, Eric G., and K. E. Olander, assignors to Aktiebolaget Manus, Norrkoping, Sweden. Machine milking plant. 2,469,519, May 10.
Redmon, Bryan C., Amherst, Mass., assignor to American Cyanamid Company, New York, N. Y. Preparation of acrylic acid. 2,469,701, May 10.
Reese, John, and W. C. Troendle, assignors to Thayer Company, Gardner, Mass. Folding carriage. 2,469,475, May 10.
Reichenbach, Howard F., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Bimetallic drain fitting. 2,469,991, May 10.
Reib, Samuel, Hempstead, and Seymour Tesler, New York, N. Y. Cigarette lighter. 2,469,442, May 10.
Reiter, Lambert, Minneapolis, Minn. Anchor line or stringer holder. 2,469,443, May 10.
Rempel, Dietrich G., assignor to Rempel Enterprises, Akron, Ohio. Hollow article and method and apparatus for producing the same. 2,469,892, May 10.
Rempel Enterprises, assignee: *See*—
Rempel, Dietrich G.
Renoll, Mary W., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Rubbery copolymers of (trifluoromethyl) vinyl aromatic compounds. 2,469,845, May 10.
Rentschler, Harvey C., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultraviolet lamp. 2,469,410, May 10.
Republic Aviation Corporation, assignee: *See*—
King, Carl C.
Rhodes, Harold B., Los Angeles, Calif. Piano. 2,469,667, May 10.
Ricardo, Harry R., assignee: *See*—
Alcock, John F.
Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Frequency controlled transducer. 2,469,785, May 10.
Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Electric motor control device. 2,469,786, May 10.
Riehs, Carl, Ludwigshafen-on-the-Rhine, Germany; vested in the Attorney General of the United States. Soaking hides with a sulfonated phenol-formaldehyde condensation product. 2,469,787, May 10.
Ritter, John G., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor for food mixers or the like. 2,469,932, May 10.
Ritter, Saidee M., assignor of one-third to E. N. Haynor and two-thirds to A. E. Coppinman, Los Angeles, Calif. Hair curler. 2,469,576, May 10.
Robbins, Charles F., assignor to Markem Machine Company, Keene, N. H. Machine for marking wire, cable, rods, and the like. 2,470,075, May 10.
Robbins, Jesse J., assignor to Stylofede Corporation, Glendale, Calif. Mechanical pencil. 2,469,411, May 10.
Roberts, Richard W., Jr., assignor to Crawford Manufacturing Co., Inc., Richmond, Va. Furniture slip cover. 2,469,520, May 10.
Robertson, Anthony E., Roselle, N. J., assignor to Standard Oil Development Company. Stabilizing aromatic amines. 2,469,745, May 10.
Robertson, James A.: *See*—
Alderson, Witty L., Jr., and Robertson.
Robertson, Lawrence E., East Weymouth, Mass. Multichamber container. 2,469,856, May 10.
Robson, Duer C., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Locking device. 2,469,993, May 10.
Robson, William S., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Stitch separating machine. 2,469,477, May 10.
Rocha, Rafael, Yamport City, Oreg. Nondetrudable safety lock. 2,469,610, May 10.
Rockwell, Lyle C., Elgin, assignor to Acme Visible Records, Inc., Chicago, Ill. Cabinet door pull and catch. 2,469,893, May 10.
Rocky Mountain Gas Equipment Company, The, assignee: *See*—
Dresen, James P.
Rodrigues, Jose, Fall River, Mass. Truss construction. 2,469,577, May 10.
Roebken, Carl B., Washington, D. C. Therapeutic lamp. 2,469,412, May 10.
Roedel, George F.: *See*—
Marsden, James, and Roedel.
Rogers, George W.: *See*—
Watson, Harvey P., and Rogers.
Rogers, Gordon F., New Hyde Park, N. Y., assignor to Radio Corporation of America. Cathode-ray beam deflection circuit. 2,469,895, May 10.
Rogers, Thomas H., Jr., assignor to Wingfoot Corporation, Akron, Ohio. Improving the surface of synthetic rubber sponge. 2,469,894, May 10.
Rohdin, Howard A., Glen Ridge, N. J. Coloring package for oleomargarine. 2,469,521, May 10.
Roller, Paul S., Hyattsville, Md., assignor to the United States of America as represented by the Secretary of the Interior. Preparing barium aluminate. 2,469,413, May 10.
Rome Plow Company, assignee: *See*—
McKay, Augusta P.
Ronning, Martin, St. Louis Park, and K. M. Keith, Minneapolis, assignors, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Baler wire cutting and binding means. 2,469,578, May 10.
Rose, Andrew G.: *See*—
Webb, Jervis B., and Rose.
Rose, Kenneth E., Columbus, Ohio, assignor, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn. Pattern materials. 2,469,611, May 10.
Rosenthal Adolph H., assignor to Scophony Corporation of America, New York, N. Y. Television cabinet with removable screen controlling focusing system. 2,469,992, May 10.
Rossin, Elmer H.: *See*—
Powers, Donald H., and Rossin.
Rotax Limited, assignee: *See*—
Tatlow, Percy.
Roth, Jay M., Euclid, and W. C. Mahler, assignors to Thompson Products, Inc., Cleveland, Ohio. Pump bearing and seal assembly lubrication. 2,469,846, May 10.
Roys, Henry E., Indianapolis, Ind., assignor to Radio Corporation of America. Magnetic sound recording and reproducing transducer. 2,469,444, May 10.
Rozankowski, Leon J.: *See*—
Hamilton, James O., and Rozankowski.
Rudel, Harry W.: *See*—
McNab, John G., and Rudel.
Ruderman, Jack, New York, N. Y. Jewelry clip. 2,469,994, May 10.
Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Electrical impedance filament and the making same. 2,470,051, May 10.
Rumscheidt, Gottfried E., and W. L. Johannes de Nie, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Producing filamentary reaction products of rubbery polymers with sulfur dioxide. 2,469,847, May 10.
Rundell, Raymond R.: *See*—
Walton, Joseph C., and Rundell.

Rundell, Rupert E., Rockville Centre, and G. E. Hagquist, Brooklyn, N. Y., assignors to American Machine and Foundry Company. Ball return mechanism for bowling pin setting machines. 2,470,052, May 10.

Russell, William L., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Gamma-ray logging. 2,469,461, May 10.

Russell, William L., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Neutron well logging. 2,469,462, May 10.

Russell, William L., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Neutron logging of wells. 2,469,463, May 10.

Rust, John B., West Orange, N. J., assignor to Montclair Research Corporation. Polymerization products and making same. 2,469,788, May 10.

Ruud, Otto S., Oslo, Norway. Ski binding. 2,469,478, May 10.

Ruzek, Joseph, New Orleans, La. Slidable jaw wrench with terminal adjusting nut. 2,469,769, May 10.

St. Regis Paper Company, assignee: *See*—
Dorrington, Neill E., and Dyker.

Salisbury, Leroy F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation for fluorohydrocarbons. 2,469,848, May 10.

Salisbury, Raymond R., Ann Arbor, Mich. Convertible stepladder. 2,470,053, May 10.

Salomon, Allen N.: *See*—
Wainer, Eugene, and Salomon.

Sanchis, Jose, Newark, N. J. Filling device with receptacle operated outlet valve. 2,469,746, May 10.

Sather, Kenneth E.: *See*—
Spangler, Caleb K., and Sather.

Sauerland, Joseph, West New York, N. J., assignor to Hardman, Peck & Company, New York, N. Y. Piano soundboard. 2,469,522, May 10.

Scarlett, Arthur A., and H. N. James, assignors to International Harvester Company of Canada Limited, Hamilton, Ontario, Canada. Lift mechanism for disk plows. 2,469,579, May 10.

Schaef, Harold M., Chicago, Ill. Adjustable pedestal stool. 2,469,896, May 10.

Schaul, Martin C., London, England. Production of food preparations from potatoes and similar farinaceous tubers. 2,469,995, May 10.

Schechter, William H., Lawrence, Kans. Chlorate candles as oxygen yielding compositions. 2,469,414, May 10.

Schering Corporation, assignee: *See*—
Schwenk, Erwin, and Papa.

Schildmeier, Henry C., Indianapolis, Ind. Tire wheel creeper. 2,470,054, May 10.

Schilling, Ernest W., and A. M. Bramblett, assignors to Peerless Wire Goods Co., Inc., La Fayette, Ind. Method and apparatus for resistance welding of aluminum. 2,469,897, May 10.

Schluma, Otto W., assignor to Whitin Machine Works, Whitinsville, Mass. Sliver condensing device. 2,470,055, May 10.

Schmerber, Raoul J., Uccle, assignor to La Soudure Electrique Autogene, Societe Anonyme, Brussels, Belgium. Automatic machine for electric arc welding. 2,469,790, May 10.

Schmidt, Henry N.: *See*—
Heilman, Karl H., and Schmidt.

Schneider, Victor P., Green Bay, Wis. Attachment for windshield wipers. 2,469,791, May 10.

Schoch, Fred C., Oak Park, Ill. Space heating device. 2,469,898, May 10.

Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Load hook connection. 2,469,612, May 10.

Schwars, Harvey F., London, England. Electromagnetic pickup. 2,469,933, May 10.

Schwegler, Clare C., and F. M. Tennant, assignors to The Dow Chemical Company, Midland, Mich. Production of alkyl halides. 2,469,702, May 10.

Schwenk, Erwin, Montclair, N. J., and D. Papa, Brooklyn, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Hydroxyaryl alicyclic carboxylic acids. 2,469,416, May 10.

Scophony Corporation of America, assignee: *See*—
Rosenthal, Adolph H.

Scovill Manufacturing Company, assignee: *See*—
Spender, Donald L.

Scranton, Charles J., La Porte, Ind., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rotary baler. 2,469,580, May 10.

Seibel, Charles M., Kenmore, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Rotor blade. 2,470,050, May 10.

Self Winding Clock Company, Inc., assignee: *See*—
Maers, Henry.

Sellars, John C., assignor to East Lancashire Chemical Company Limited, Manchester, England. Magnetic testing apparatus. 2,469,476, May 10.

Seymour, Clifford P.: *See*—
Porter, Charles R. A., and Seymour.

Scott, Albert B.: *See*—
Ward, William C., and Scott.

Scott, William M., Jr., Byrn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Bus bar housing. 2,469,445, May 10.

Sears, Roebuck and Co., assignee: *See*—
Ralston, Hurley D., and Pearson.

Selbert, Howard F.: *See*—
Tabor, Joseph M., Selbert, and Frohring.

Shay, Albert R., Manton, Ohio. Electric soldering iron. 2,469,479, May 10.

Sheffield Corporation, The, assignee: *See*—
Polk, Louis F.
Trame, Joseph A., Jr.

Shell Development Company, assignee: *See*—
Morris, Rupert C., and Horowitz.
Ruscheidt, Gottfried E., and de Nie.

Shenk, Eugene R., Brooklyn, N. Y., assignor to Radio Corporation of America. Amplitude modulator. 2,469,747, May 10.

Shill, Sidney C., Los Angeles, Calif. Piano. 2,469,068, May 10.

Siegel, Sally A., Chicago, Ill. Figure-free maternity suspender. 2,469,793, May 10.

Sikorsky, Igor I., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor blade. 2,469,480, May 10.

Sills, Earl H., Schenectady, N. Y., assignor to General Electric Company. Motor control system. 2,469,899, May 10.

Silver, Frank F., assignor to Wingfoot Corporation, Akron, Ohio. Splicing butyl rubber. 2,469,840, May 10.

Silver, Walter H., and J. I. Cantral, assignors to Deere & Company, Moline, Ill. Tractor mounted plow and gauge wheel. 2,469,996, May 10.

Simkins, Leon L., assignor to The Wigginton Company, Kalamasoo, Mich. Short circuit detector. 2,469,703, May 10.

Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,469,523, May 10.

Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Cutter chain. 2,469,524, May 10.

Simpson, Leonard R., Birmingham, Ala. Wheel balance weight. 2,469,997, May 10.

Singer Manufacturing Company, The, assignee: *See*—
Fuge, Harry B.
Kessler, Charles A.

Sizer, Elmer M. A.: *See*—
Grosjean, Harry W., and Sizer.

Skrob, Frank J., Okanogan, Wash. Dental cement apparatus. 2,469,525, May 10.

Sloan, George A., Milwaukee, Wis. Brake pressure regulator. 2,469,794, May 10.

Sloat, John E., Columbia, assignor to Insulation Products Company, Williamantic, Conn. Cutting and printing machine. 2,469,526, May 10.

Sloan, Paul R., Bridgeport, Conn. Rear blinker lamp for automobiles. 2,469,581, May 10.

Smith, Carl K.: *See*—
Wilkinson, Watkins W., and Smith.

Smith, Edwin A., assignor to Willard-Anderson Company, Danville, Ill. Compressor. 2,469,998, May 10.

Smith, George H.: *See*—
Hannen, Odd A., and Smith.

Smith, John J.: *See*—
Mueller, Frank H., and Smith.

Smith, Winthrope C., Westfield, N. J., assignor to Standard Oil Development Company. Esters of aselaic acid as plasticizers for rubberlike polymers. 2,469,748, May 10.

Smyers, William H., Westfield, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Insulated conductor. 2,469,416, May 10.

Snyder, Oscar H., San Francisco, Calif. Garment hanger. 2,469,481, May 10.

Societe Francaise Radio Electrique, assignee: *See*—
Danzin, Andre.

Societes Reunies Everite-Sitube, assignee: *See*—
Contenson, Jean L. A.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Brockman, Frank G., and Wescott, 2nd.
Hansford, Rowland C., and Caesar.
McCracken, John H., and Crandall.

Solomon, Julius L., assignor to Welding Research, Inc., Chicago, Ill. Electronic control for welding machines. 2,469,934, May 10.

Spangler, Caleb K., and K. E. Sather, Havre, Mont. Painter's kit. 2,469,749, May 10.

Speakman Company, assignee: *See*—
Fraser, James.

Speare's, Alden, Sons Co., The, assignee: *See*—
Thompson, Willis F.

Spender, Donald L., assignor to Scovill Manufacturing Company, Waterbury, Conn. Tamperproof screw closure. 2,470,057, May 10.

Sperry Corporation, The, assignee: *See*—
Tawney, Gereld L.

Spielman, Emeric M., New York, N. Y. Electric musical instrument. 2,469,850, May 10.

Spiller, William R., and L. L. West, Dayton, assignors to Harris-Seybold Company, Cleveland, Ohio. Drill sharpener. 2,469,900, May 10.

Spraner, Jerome W., Roslyn, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Production of calcium hypochlorite. 2,469,901, May 10.

Sproul, Byron P., Royal Oak, Mich. Polarizing filter attachment for cameras. 2,469,795, May 10.

Stalker, Edward A., Bay City, Mich. Aircraft wings having boundary layer control. 2,469,902, May 10.

Standard Oil Development Company, assignee: *See*—
Baldwin, Francis P.
Gidley, Philip T.
Gross, George W.
Heinrich, Raymond L.
Hockberger, William G.
Holmes, August.
Kearby, Kenneth K.
McNab, John G., and Rudel.
Norway, Arnold J., and Zimmer.
Robertson, Anthony E.
Smith, Winthrope C.
Sweeney, William J.
Voorhies, Alexis, Jr.

Standard Steel Spring Company, assignee: *See*—
Lindsay, Edward C., and Anderson.

Standard Ultramarine Company, assignee: *See*—
Moser, Frank H.

Stanolind Oil and Gas Company, assignee: *See*—
Fearon, Robert E.
Russell, William L.

Stavsborgs Aktiebolag, assignee: *See*—
Thiman, Gunnar.

Stecher, Henry D., Lakewood, and E. F. Jackman, deceased, Lakewood, Ohio, by H. E. Jackman, administratrix, Lansing, Mich., said Stecher assignor to The Weatherhead Company, Cleveland, Ohio. Tube coupling. 2,469,851, May 10.

Stefan, Jane H., assignee: *See*—
Stefan, Stanley B.

Stefan, Stanley B., assignor of fifty per cent to J. H. Stefan, Hamtramck, Mich. Novelty package. 2,470,058, May 10.

Stein, Hames H.: *See*—
Gibbs, Clifford J., and Stein.

Stein, Samuel, New York, N. Y. Torsional vibration pickup. 2,469,417, May 10.

Steinback, Ralph T.: *See*—
Bowman, John R., and Steinback.

Stiffemire, Robert J., Dickinson, Ala., Saw filing stand. 2,469,527, May 10.

Stobb, Anton, Westfield, and A. J. Albrecht, West New York, N. J., assignors to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 2,469,796, May 10.

Stober, Kenneth E., assignor to The Dow Chemical Company, Midland, Mich. Mixing head for extrusion machines. 2,469,999, May 10.

Stober, Kenneth E., assignor to The Dow Chemical Company, Midland, Mich. Producing uniformly colored extruded articles from vinyl aromatic resins. 2,470,001, May 10.

Stone, Herbert G., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Continuous process of producing beta lactones at reduced pressure. 2,469,704, May 10.

Storey, Edwin F., Grosse Pointe Farms, assignor to Packard Motor Car Company, Detroit, Mich. Crankshaft bearing lubrication. 2,469,669, May 10.

Strauss, Frank A., New Brighton, Staten Island, assignor to E. F. Drew & Co., Inc., New York, N. Y. Mixed esters of fatty acids. 2,469,446, May 10.

Strauss, Jerome: *See*—
Edlund, Daniel L., Oberle, and Strauss.

Strehan, George E.: *See*—
Donahue, John S., and Strehan.

Striplin, Marcus M., Jr., Florence, Ala., assignor to Tennessee Valley Authority. Producing silicon. 2,469,418, May 10.

Stritter, Karl A., Nahant, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Manufacture of turn shoes. 2,469,482, May 10.

Strong, Basil P., Atwater, Ohio. Mounting for antifriction bearings. 2,469,483, May 10.

Strong, Emerson, Hempstead, assignor to The Fred Gretsch Manufacturing Company, Brooklyn, N. Y. Musical stringed instrument. 2,469,582, May 10.

Strutt, Maximilliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Operating photoelectric devices. 2,469,852, May 10.

Stylofede Corporation, assignee: *See*—
Robbins, Jesse J.

Suhber, Leonard S., Upper Darby, Pa. Snap gauge. 2,469,613, May 10.

Submarine Signal Company, assignee: *See*—
Danforth, George L.

Suma, Arthur R., Sr., Chicago, Ill. Burglar alarm for windows and doors. 2,469,528, May 10.

Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Magnetic transducer adapted to compensate for twisting of record wire. 2,469,750, May 10.

Sutherland Paper Company, assignee: *See*—
Burbank, Wendell T.

Suverkrop, Lew, Bakersfield, Calif. Adjustable plumb bob. 2,469,583, May 10.

Svars, Jerry: *See*—
Kaiser, Emil, and Svars.

Svenska, A. B., Maskinerarken, assignee: *See*—
Dalin, David, and Hagby.

Swanski, Joseph, Worcester, Mass. Collapsible window ventilator. 2,469,903, May 10.

Swanson, Alfred J., Hollywood, Calif. Adjusting means for cartridge type door control hinges. 2,469,447, May 10.

Sweeney, George H., Los Angeles, Calif. Tire chain tong. 2,469,614, May 10.

Sweeney, William J., Summit, N. J., assignor to Standard Oil Development Company. Cold starting motor fuel. 2,469,751, May 10.

Sweet, Monroe H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Graininess meter having transverse and oscillatory movement of the specimen. 2,469,935, May 10.

Swensson, Malte: *See*—
Kerr, Kingdon, and Swensson.

Swift, Elmer M.: *See*—
Davis, Elmer M.

Szuba, Edward A., Lincoln Park, Mich. Gauge support. 2,469,904, May 10.

Tabbert, Paul C., Bridgman, Mich. Rotary pump. 2,469,936, May 10.

Tabor, Joseph M., East Islip, N. Y., H. F. Selbert, Mason, Mich., and P. R. Frohring, Bainbridge, Md., assignors to General Biochemicals, Inc., Chagrin Falls, Ohio. Powdered soap product. 2,469,758, May 10.

Tachar, John M., Dearborn, Mich. Artificial limb. 2,469,937, May 10.

Tarnow, Nathan, assignor to Charles E. Lifka, doing business as Tomic Sales and Engineering Company, Detroit, Mich. Cable clamp. 2,469,938, May 10.

Tartaglia, Louis G.: *See*—
Evans, Wayne S., and Tartaglia.

Tatlow, Percy, assignor to Rotax Limited, London, England. Epicyclic mechanism. 2,469,905, May 10.

Tawney, Gereld L., Hempstead, N. Y., assignor to The Sperry Corporation. Energy directing apparatus. 2,469,419, May 10.

Tellier, Joseph C.: *See*—
Bradley, William E., and Tellier.

Templeton, William E., Mansfield, Ohio. Tractor shovel attachment. 2,469,615, May 10.

Tennant, Frank M.: *See*—
Schwegler, Clare C., and Tennant.

Tennessee Valley Authority, assignee: *See*—
Striplin, Marcus M., Jr.

Terry, Thomas A., assignor to C. & M. Envelope Company, New York, N. Y. Multisection envelope and blank for forming the same. 2,469,853, May 10.

Tesler, Seymour: *See*—
Rein, Samuel.

Tewksbury, Lyndon B., Jr., Potsdam, N. Y., and L. H. Howland, Waterbury, Conn., assignors to United States Rubber Company, New York, N. Y. Reclaiming vulcanized rubber scrap. 2,469,529, May 10.

Texaco Development Corporation, assignee: *See*—
Gibbs, Clifford J., and Stein.

Texas Company, The, assignee: *See*—
Barber, Everett M.
Kluge, Herman D., and Knowles.

Thacker, Carlisle M., Highland Park, assignor to The Pure Oil Company, Chicago, Ill. Dehydrogenation of hydrocarbons. 2,469,420, May 10.

Thayer Company, assignee: *See*—
Reese, John, and Troendle.

Thielker, Henry J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing telephone calling dials. 2,470,002, May 10.

Thiman, Gunnar, assignor to Stavsborgs Aktiebolag, Stockholm, Sweden. Vibrator grinding mill. 2,469,484, May 10.

Thiokol Corporation, assignee: *See*—
Patrick, Joseph C.

Thomas, Harold E. R., Crick, near Rugby, England. Time consuming or delay action mechanism. 2,470,003, May 10.

Thomas, Joseph C., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Portable housing unit. 2,469,752, May 10.

Thompson, Charles L., Oakland, Calif. Low lift attachment for hydraulic jacks. 2,469,670, May 10.

Thompson Products, Inc., assignee: *See*—
Roth, Jay M., and Mahler.

Thompson, William J., Edgewood, R. I., assignor to C. & M. Manufacturing Co. Shipping and display container for jewelry. 2,469,530, May 10.

Thompson, Willis F., Portland, Maine, assignor to The Alden Speare's Sons Co. Knife sharpener. 2,469,797, May 10.

Thurston, Jack T., Riverside, and R. B. Warner, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Alkylene oxide condensation products of dimerized fatty acid alkylol amides. 2,470,081, May 10.

Tidd, Edwin R., Mount Prospect, assignor to Bell & Gossett Company, Morton Grove, Ill. Air eliminator. 2,469,616, May 10.

Tierney, John T., Union, N. J. Setting mechanism for calculating machines. 2,469,754, May 10.

Times Facsimile Corporation, assignee: *See*—
Cooley, Austin G.

Tippett, William R., near Greensboro, assignor of one-half to R. H. Dunn, Greensboro, N. C. Valve for watering troughs. 2,469,617, May 10.

Tomic Sales and Engineering Company, assignee: *See*—
Tarnow, Nathan.
Toth, Anthony and G., Detroit, Mich. Shield device. 2,469,581, May 10.
Toth, George: *See*—
Toth, Anthony, and G.
Toy Fop Corporation, The, assignee: *See*—
Barricini, Jack.
Trichanin, Gottlieb, Basel, Switzerland. Ice and snow skats. 2,469,798, May 10.
Trame, Joseph A., Jr., assignor to The Sheffield Corporation, Dayton, Ohio. Gauging device. 2,470,004, May 10.
Troendle, William C.: *See*—
Reese, John, and Troendle.
Truckenmiller, Lyman A., Sonora, assignor of sixty per cent to Douglas Pincock, Santa Barbara, Calif. Wrist watch strap. 2,469,532, May 10.
Trumpour, James N., assignee: *See*—
Jackson, James G.
Tuve, Richard L., Silver Spring, Md. Heat-action explosive pyrotechnic marker. 2,469,421, May 10.
Tyre, Alexander T., Newton Stewart, Scotland, assignor to Imperial Chemical Industries Limited. Gas-producing charges suitable for the generation of gas pressure for the operation of mechanical devices and for blasting operations. 2,470,062, May 10.
Twin Disc Clutch Company, assignee: *See*—
Aschauer, George E.
Ulrich, Bernhard, Jr., and G. W. Pontius, III, assignors to Bendix Aviation Corporation, South Bend, Ind. Engine starter gearing. 2,469,854, May 10.
Union Switch and Signal Company, The, assignee: *See*—
Glison, Robert M., and Martin.
United Aircraft Corporation, assignee: *See*—
Baresch, Charles A.
Buck, Richard S., and Ledwith.
Cooper, Kenneth C.
Dunnells, Norman A., and Gorton.
Kalitinsky, Andrew.
Ledwith, Walter A.
Meitzler, Donald E.
Rose, Kenneth E.
Sikorsky, Igor I.
United Shoe Machinery Corporation, assignee: *See*—
Collins, George H.
Jorgensen, Bernhardt.
McKeon, William D.
Robson, William S.
Stritter, Karl A.
United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Carter, James M.
United States Rubber Company, assignee: *See*—
Child, Everett S.
Tewksbury, Lyndon B., Jr., and Howland.
University of Tennessee Research Corporation, The, assignee: *See*—
Dulaney, Anna D.
Valle, Charles, Caracas, Venezuela. Automatic transmission for motor vehicles. 2,469,799, May 10.
Valley Welding & Boiler Co., assignee: *See*—
Curtiss, Charles B.
Vanadium Corporation of America, assignee: *See*—
Edlund, Daniel L., Oberle, and Strauss.
Van der Ziel, Aldert: *See*—
Strutt, Maximiliaan J. O., and van der Ziel.
Vanity Fair Mills, Inc., assignee: *See*—
Amidon, Roy C.
Van Sciver, Herbert D.: *See*—
Callender, Edwin M., Phair, and Van Sciver.
Vesper, Louis J., Los Angeles, Calif. Replacement handle. 2,469,705, May 10.
Victor Adding Machine Co., assignee: *See*—
Hooe, Hunter E.
Vilter, Ernest F., Milwaukee, Wis. Fine roller. 2,470,005, May 10.
Vogel, Oliver G., Oak Park, Ill., assignor to Hotpoint Inc. Electric heater. 2,469,800, May 10.
Vogel, Oliver G., Oak Park, and L. Ziffrin, Westchester, Ill., assignors to Hotpoint, Inc. Electric heater. 2,469,801, May 10.
Voinovich, Sweeney, Bridgeville, Pa. Combined boat and filter. 2,469,802, May 10.
Voorhies, Alexis, Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Synthesis of hydrocarbons from carbon monoxide and hydrogen with an iron type catalyst. 2,469,755, May 10.
Wainer, Eugene, Niagara Falls, and A. N. Salomon, Malone, assignors, by mesne assignments, to National Lead Company, New York, N. Y. Dielectric composition and making same. 2,469,584, May 10.
Walt, Bertrand H., New Rochelle, N. Y. Bituminous mix. 2,469,585, May 10.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Driving mechanism for axminster tube frame systems. 2,469,736, May 10.
Wallace, Arthur M.: *See*—
Payne, Arthur W., and Wallace.
Wallace, Burgess P., Brooklyn, assignor to Whitehead Brothers Company, New York, N. Y. Mold composition. 2,469,907, May 10.
Wallace, Burgess P., Brooklyn, assignor to Whitehead Brothers Company, New York, N. Y. Synthetic mold composition and making same. 2,469,908, May 10.
Wallace, Frederick J., assignor to American Cystoscope Makers, Inc., New York, N. Y. Urethral dilator. 2,469,906, May 10.
Wallace, Raymond C., Pawtucket, R. I. Tool for cleaning concave cylindrical surfaces. 2,469,586, May 10.
Wallerstein Company, Inc., assignee: *See*—
Wallerstein, James S., and Alba.
Wallerstein, James S., and R. T. Alba, assignors, by mesne assignments, to Wallerstein Company, Inc., New York, N. Y. Stabilized fermented beverages and manufacturing same. 2,470,006, May 10.
Walton, Joseph C., and R. R. Rundell, Miami, Fla. Electric wall socket. 2,469,939, May 10.
War, United States of America, as represented by the Secretary of, assignee: *See*—
Clapp, Roger E.
Ward, William C., and A. B. Scott, assignors to Eaton Laboratories, Inc., Norwich, N. Y. Vaginal suppository. 2,469,618, May 10.
Warde, Walter T., assignor to Foster and Kleiser Company, San Francisco, Calif. Stenciling with sectional screens. 2,469,671, May 10.
Warner, Douglas K., Sarasota, Fla. Aircraft whose lift is increased by power means. 2,469,619, May 10.
Warner Electric Brake Manufacturing Company, assignee: *See*—
Oetzel, John G.
Warner, Ruth B.: *See*—
Thurston, Jack T., and Warner.
Warren, George T., and R. A. Jordan, Gunthorpes, Antigua, British West Indies, assignors to The Dorr Company, New York, N. Y. Clarification of sugar cane juice. 2,470,076, May 10.
Wartinen, William A., San Francisco, Calif. Calculator. 2,469,672, May 10.
Watson, Gilbert L., II, Chestertown, Md. Pivoted inner jaw wrench. 2,470,007, May 10.
Watson, Harvey P., and G. W. Rogers, Louisville, Ky. Safety device. 2,470,059, May 10.
Watson, Orla E., Kansas City, Mo. Pilot or master valve. 2,469,757, May 10.
Watson, Randolph E., assignee: *See*—
Charbeneau, Ralph C.
Wattier, Francis E.: *See*—
Powers, Frank T., and A. J., and Wattier.
Weatherhead Company, The, assignee: *See*—
Paquin, Joseph N., and Bock.
Stecher, Henry D., and Jackman.
Weathers, Paul, Haddon Heights, N. J., assignor to H. K. Neuber, Philadelphia, Pa. Compensated, controlled-feedback, amplitude modulated oscillator. 2,469,803, May 10.
Weaver, Galen K., assignor to The McCaskey Register Company, Alliance, Ohio. Bill compartment. 2,469,485, May 10.
Weaver, Richard E., Ronks, Pa. Hinge. 2,469,804, May 10.
Webb, Jervis B., Bloomfield Hills, and A. G. Rose, assignors to Jervis B. Webb Company, Detroit, Mich. Four-wheel trolley bracket. 2,470,060, May 10.
Webb, Jervis B., Company, assignee: *See*—
Webb, Jervis B., and Rose.
Weinig, Arthur J., Golden, Colo. Selective flotation of chromite ores. 2,469,422, May 10.
Welding & Manufacturing Company, Inc., assignee: *See*—
Coble, Ernest L.
Welding Research, Inc., assignee: *See*—
Solomon, Julius L.
Wellcome, Hubert E., Pleasantville, N. Y. Projection of twisted wires. 2,469,533, May 10.
Wellman Company, assignee: *See*—
Polleys, Herbert R.
Wesbar Stamping Corporation, assignee: *See*—
Brel, Daniel L.
Pilsner, Richard A.
Wescott, John W., 2d: *See*—
Brockman, Frank G., and Wescott, 2d.
Wessels, Henry E., assignor to G. L. Fish, Spokane, Wash. Lawn sprinkler. 2,469,534, May 10.
West, Lloyd L.: *See*—
Spiller, William R., and West.
Western Electric Company, Incorporated, assignee: *See*—
Hamilton, James O., and Rozankowski.
Kinard, Robert K.
Logan, Alexander.
Mageoch, Nelson H.
McCain, Cecil C.
Robson, Duer C.
Thielker, Henry J.
Western Union Telegraph Company, The, assignee: *See*—
Wise, Raleigh J., and Parrott.
Westinghouse Electric Corporation, assignee: *See*—
Eberhart, Arthur H.
Flagle, Charles D.
Idle, James G.
McCloy, Graham S.
Newton, John S.
Rentschler, Harvey C.
Ritter, John G.
Westronics Inc., assignee: *See*—
Basham, Raymond B.
Wheeler, John D., assignor to American Metalcraft Corporation, Detroit, Mich. Wagon. 2,470,061, May 10.

Whitbeck, Roland A., Lorain, Ohio, assignor to Gilron Products Company. Precoated material and dry lubricating coating composition therefor. 2,470,062, May 10.
White, Charles H., W. P. Oehler, and C. H. Youngberg, assignors to Deere & Company, Moline, Ill. Disk harrow latch unit. 2,470,008, May 10.
Whitehead Brothers Company, assignee: *See*—
Wallace, Burgess P.
Whitin Machine Works, assignee: *See*—
Schlums, Otto W.
Whitmore, Paul G., Pine Bluff, Ark. Variable-rate electric meter. 2,469,673, May 10.
Wickman, Helmer W., and G. A. J. Racine, assignors to Heywood-Wakefield Company, Gardner, Mass. Antitip construction for baby carriages. 2,469,909, May 10.
Wigginton Company, The, assignee: *See*—
Simkins, Leon L.
Wiggs, James W.: *See*—
Hensel, Frank R., Wiggs, and Heil.
Wilcock, Donald F., and E. G. Chace, Schenectady, N. Y., assignors to General Electric Company. Vacuum pump. 2,469,889, May 10.
Wilhelm, Loomis G., Henryetta, Okla., assignor to Lock Joint Pipe Company, East Orange, N. J. Pipe. 2,470,009, May 10.
Wilkinson, Watkins W., and C. K. Smith, Corpus Christi, Tex. Clothesline post. 2,469,805, May 10.
Willard-Anderson Company, assignee: *See*—
Smith, Edwin A.
Williams, Sidney D., Warren, Ohio. Melting iron in electric furnaces. 2,470,010, May 10.
Williams, William A.: *See*—
Ingraham, Joseph H., and Williams.
Williamson, Marshall I., New Haven, Conn., assignor, by mesne assignments, to National Folding Box Company, Incorporated. Container. 2,469,535, May 10.
Wimpfheimer, Harry E., New York, N. Y. Embossing die. 2,469,620, May 10.
Winchel, Henry T., Roscoe, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Modulator system. 2,470,063, May 10.
Winesett, Franklin P., Camas, Wash., assignor to Crown Zellerbach Corporation, San Francisco, Calif. Making shopping bags. 2,469,536, May 10.
Wingfoot Corporation, assignee: *See*—
Cutright, Robert S.
Flory, Paul J., and Rabjohn.
Hardman, Albert F.
Johnson, Joseph P.
Lichty, Joy G.
Milone, Charles R.
Rogers, Thomas H., Jr.
Silver, Frank F.
Thomas, Joseph C.
Winter, Arthur, Weehawken, and V. Haggerty, Tenafly, N. J. Combination footstool and table. 2,470,011, May 10.
Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, Waukegan, Ill., trustee. Electronic tension control apparatus. 2,469,706, May 10.
Winther, Martin P., assignee: *See*—
Winther, Anthony.
Wise, Raleigh J., Dunellen, and R. D. Parrott, West New York, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile apparatus. 2,469,423, May 10.
Witchger, Eugene J., assignor to The Lufkin Rule Co., Saginaw, Mich. Tape rule. 2,469,674, May 10.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Impact fuse. 2,469,587, May 10.
Wittenmyer, Carlos, Mount Clemens, Mich. Decimal rounding off mechanism. 2,469,675, May 10.
Witter, Nora B., Binghamton, N. Y. Garment of the bifurcated nether type. 2,469,486, May 10.
Witthoft, Charles H., Detroit, assignor of one-half to J. F. Gohn, Grosse Ile, Mich. Antifriction bearing. 2,469,676, May 10.
Witthoft, Charles H., Detroit, assignor of one-half to J. F. Gohn, Grosse Ile, Mich. Combination radial and thrust bearing. 2,469,677, May 10.
Wobrer, Henry, assignor to Johnson Service Company, Milwaukee, Wis. Humidostatic element. 2,469,537, May 10.
Wolff, Julius, Amstenrade, Netherlands; vested in the Attorney General of the United States. Apparatus for stripping and drying artificial sausage skins. 2,469,621, May 10.
Wood, George, Haselton, and J. Mahon, Cold Aston, Cheltenham, England. Drying grain. 2,469,424, May 10.
Wood, Seth, Pawtucket, R. I. Yarn guiding block for weaving shuttles. 2,470,064, May 10.
Wood, William: *See*—
Nachod, Frederick, and Wood.
Woodard, Phebe H., executrix, assignee: *See*—
Woodard, William E., and Filander.
Woodard, William E., deceased, Forest Hills, N. Y., P. H. Woodard, executrix, Forest Hills, N. Y., and A. H. Filander, Baltimore, Md.; said Filander assignor to Lima-Hamilton Corporation, and said P. H. Woodard assignor to P. H. Woodard. Tube securing means for locomotive and other boilers. 2,469,487, May 10.
Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Wheatfield, N. Y. Flutter dampener. 2,469,488, May 10.
Worthington Pump and Machinery Corporation, assignee: *See*—
Burrus, Paul B.
Wright Aeronautical Corporation, assignee: *See*—
Lundquist, Wilton G.
Pitisci, Joseph S.
Wyman, Edwin T., Brookline, Mass. Combination steam and gas turbine. 2,469,678, May 10.
Wyman, Edwin T., Brookline, Mass. Gas turbine. 2,469,679, May 10.
Yale & Towne Manufacturing Company, The, assignee: *See*—
Framhein, Herbert J.
Schroeder, Charles S.
Yonkers, Edward H., Chicago, Ill. Indicating, controlling, and recording instrument. 2,469,940, May 10.
Young, Dorris S., Wilsonville, Oreg. Pipe coupling. 2,469,538, May 10.
Young, L. A., Spring and Wire Corporation, assignee: *See*—
Morgan, Roland J.
Youngberg, Charles H.: *See*—
White, Charles H., Oehler, and Youngberg.
Ystrom, Johan B.: *See*—
Jones, Lyman L., and Ystrom.
Zachae, Gottfried C., Norwich, Conn. Electrical testing device for attachment to flashlights. 2,469,910, May 10.
Ziffrin, Louis: *See*— :
Vogel, Oliver G., and Ziffrin.
Zimmer, John C.: *See*—
Norway, Arnold J., and Zimmer.
Zion, Bernard, New York, N. Y. Dial telephone lock. 2,469,806, May 10.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Chlorine dioxide, Producing. T. G. Holst. Re. 23,111, May 10.
Facsimile machine, Inside scanning. W. S. Tandler and D. S. Walker. Re. 23,113, May 10.
Faucet, Mixing. C. V. Di Pietro. Re. 23,109, May 10.
Recording machine, Coin-operated voice. E. M. Squire. Re. 23,112, May 10.
Refrigeration. R. L. Hallock. Re. 23,110, May 10.

LIST OF PLANT INVENTIONS

Hybrid mallow plant. E. Hemming. 835, May 10.

LIST OF DESIGN INVENTIONS

Ash tray. R. W. Hoag. 153,687, May 10.
Ash tray. W. P. Mader. 153,714–16, May 10.
Boot, Ski. R. Rominger. 153,731, May 10.
Bracelet, Expansible watch. A. Albanese. 153,657, May 10.
Brief case. R. H. Arbib. 153,658, May 10.
Brooch or similar article. A. Katz. 153,691–3, May 10.
Brooch or similar article. A. Katz. 153,696, May 10.
Brooch or similar article. A. Katz. 153,698–702, May 10.
Cabinet, Phonograph. P. M. Fuller. 153,675, May 10.
Carrier for vacuum cleaner and accessories or the like, Mobile. J. L. and M. G. Zver. 153,744, May 10.
Case or a similar article, Luggage. L. Horwitz. 153,688, May 10.
Chair, High. R. Di Giorgio. 153,672, May 10.
Chair, Reclining. J. R. Staudt, and R. E. Goddard. 153,735, May 10.
Compact key and money clip or the like, Combined. G. E. Georganta. 153,677, May 10.
Earring attachment device. C. B. Haegert. 153,681, May 10.
Earring or similar article. A. Katz. 153,694–5, May 10.
Fixture, Fluorescent lighting. C. C. Braun. 153,665, May 10.
Flashlight. E. L. Schofield. 153,733, May 10.
Fork or other article of flatware. I. A. Lipman. 153,711, May 10.
Forming device, Doughnut. D. F. Jones. 153,690, May 10.
Frame, Handbag. L. S. David. 153,669, May 10.
Frame, Portable grandstand. J. F. Roney. 153,732, May 10.
Freezer and dispenser for frozen foods, Combined. W. von Lindeck. 153,737, May 10.
Handbag. L. Kaufman. 153,703, May 10.
Handle. P. Derham. 153,670–1, May 10.
Holder, Combined cake of soap and spool. V. Silson. 153,734, May 10.
Holder, Emblem, for automobile radiator guard. L. Bustin. 153,667, May 10.
Holder, Paper napkin. P. B. Hamilton. 153,683, May 10.
Housing for an outboard motor, Drive shaft. E. C. Kiekhaefer. 153,704, May 10.
Instrument, Writing. F. E. Gruber. 153,679, May 10.
Jacket. J. L. Asteroff. 153,662, May 10.
Lamp or similar article. A. M. Johnson. 153,680, May 10.
Lamp, Portable electric. A. C. Haggstrom. 153,682, May 10.
Loader, Vacuum leaf. M. A. Elliotte. 153,673, May 10.
Motor having a power head, Outboard. E. C. Kiekhaefer. 153,705, May 10.
Nozzle, Hose. A. L. Henkel. 153,685, May 10.
Opener, Can. H. Odencrants. 153,722, May 10.
Pen, Ball point fountain. R. J. Lohr and L. J. Campbell. 153,713, May 10.
Pin clip or similar article. A. Katz. 153,697, May 10.
Rack, Clothing display. G. Hinkle. 153,686, May 10.
Sharpener, Scissors. R. C. Lathom. 153,706, May 10.
Shoe, House. J. B. Reinhart, Jr., and J. B. Reubel. 153,723–9, May 10.
Sink, Cabinet. N. Lewis. 153,710, May 10.
Socket for use with clip and light bulb. R. K. Grubb. 153,676, May 10.
Spoon or other article of flatware. L. V. M. Helander. 153,684, May 10.
Spoon or other article of flatware. W. S. Warren. 153,740–1, May 10.
Spoon or similar article. N. Bowlen. 153,664, May 10.
Spoon or similar article of flatware. M. Bernstein. 153,663, May 10.
Spoon, Stirring, scraping, and beating. G. J. Erker. 153,674, May 10.
Spoon, Trolling. J. S. Gardemeyer. 153,676, May 10.
Stand for kitchen utensils, Collapsible. J. Weber. 153,742, May 10.
Switch, Flourescent starter. A. A. Richardson. 153,730, May 10.
Table. B. G. Zolot. 153,743, May 10.
Table or similar article. D. A. Wallance. 153,738–9, May 10.
Textile fabric. W. Mitschke. 153,717–21, May 10.
Toy animal figure. M. C. Levich. 153,709, May 10.
Toy duck or similar article. L. Leaf. 153,708, May 10.
Toy fish or similar article. L. Leaf. 153,707, May 10.
Tool, Slide fastener repair. K. Stern. 153,736, May 10.
Tray for bathtub use, Vanity. C. M. Craighead. 153,668, May 10.
Valise or similar article. R. H. Arbib. 153,659–61, May 10.
Wallpaper or the like. W. Burton and D. W. Liebes. 153,666, May 10.
Washing machine. L. H. Haase. 153,680, May 10.
Washing machine. J. M. Little. 153,712, May 10.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive and polishing head. A. P. and H. R. Beam. 2,469,429, May 10.
Accumulator with tubular electrodes, Electrical. M. Malki, B. Matzkin, and A. L. Goldman. 2,469,508, May 10.
Acrylic acid, Preparation of. B. C. Redmon. 2,469,701, May 10.
Actuating member, Adjustable. W. E. Parish. 2,469,570, May 10.
Adapter for converting kerosene lamps into electric lamps. J. N. Bailey. 2,469,491, May 10.
Adapter, Precision expanding. F. I. Ernest. 2,469,873, May 10.
Adapter, Safety window lock. W. E. Frietache. 2,469,551, May 10.
Addition agent for gasoline. J. O. McNab and H. W. Rudel. 2,469,737, May 10.
Adjusting means for cartridge type door control hinges. A. J. Swanson. 2,469,447, May 10.
Aircraft whose lift is increased by power means. D. K. Warner. 2,469,619, May 10.
Aircraft wings having boundary layer control. E. A. Stalker. 2,469,902, May 10.
Airplane construction. A. J. Buttler. 2,469,591, May 10.
Alarm for windows and doors, Burglar. A. R. Suma, Sr. 2,469,528, May 10.
Alkaline solutions of vegetable globulins, Production of viscous aqueous. W. A. Caldwell. 2,469,452, May 10.
Alkylation of thiophene. R. C. Hansford and P. D. Caesar. 2,469,823, May 10.
Alkylene oxide condensation products of dimerized fatty acid alkylol amides. J. T. Thurston and R. B. Warner. 2,470,081, May 10.
Alkyl halides, Production of. C. C. Sebwegler and F. M. Tennant. 2,469,702, May 10.
Alkylhalosilanes, Production of. L. De Pree, A. J. Barry, and D. E. Hook. 2,469,355, May 10.
Alloy composition, Cobalt base. H. S. Cooper. 2,469,715, May 10.
Alloys. D. L. Edlund, T. L. Oberle, and J. Strauss. 2,469,718, May 10.
Alloys, Forgeable high-temperature. E. L. Olcott. 2,469,887, May 10.
Amplifier, Harmonic class C. A. S. Harris. 2,469,508, May 10.
Anchor, Brake. J. G. Oetzel. 2,469,402, May 10.
Anchor line or stringer holder. L. Reiter. 2,469,443, May 10.
Animal trap. C. W. Crumrine. 2,469,454, May 10.
Anion active resins and producing same. J. R. Dudley and L. A. Lundberg. 2,469,683, May 10.
Anions from liquids, Removing. L. A. Lundberg and J. R. Dudley. 2,469,692, May 10.
Anions from liquids, Removing. L. A. Lundberg. 2,469,694, May 10.
Antenna. R. E. Clapp. 2,470,010, May 10.
Antifriction bearing. C. H. Witthoft. 2,469,676, May 10.
Antigen for use in the diagnosis of malaria and product thereof, Producing an. A. D. Dulaney. 2,469,456–7, May 10.
Antiskid chain. H. Ritz-Ammann. 2,469,666, May 10.
Apparatus and method for filling gas storage cylinders. O. A. Hansen and G. H. Smith. 2,469,434, May 10.
Apparatus and method of maintaining the freshness of counter displayed vegetables. A. L. Munson and R. C. Follett. 2,469,979, May 10.
Apparatus and process for making filaments. E. E. Lovig. 2,470,039, May 10.
Apparatus for bending tubing into serpentine coils and sweep mechanism and index therefor. A. W. Payne and A. M. Wallace. 2,469,406, May 10.
Apparatus for bending tubing into serpentine coils and sweep mechanism and stop therefor. A. W. Payne. 2,469,405, May 10.
Apparatus for coating articles. H. Osterberg and R. E. Matter. 2,469,829, May 10.
Apparatus for drying having safety and sequence controls. N. Monsarrat. 2,470,043, May 10.
Apparatus for forming metal tapes into tubular conductors. A. Logan. 2,469,565, May 10.
Apparatus for forming retreading strips for tires. W. G. Corson. 2,469,633, May 10.
Apparatus for handling motion-picture film. J. G. Capstaff. 2,469,915, May 10.
Apparatus for melting chocolate and other confections. H. Ashworth and F. W. Doblin. 2,469,709, May 10.
Apparatus for molding building blocks. A. H. Hawes. 2,469,590, May 10.
Apparatus for packaging material. N. E. Dorrington and J. A. Dyker. 2,469,954, May 10.
Apparatus for removing icicles from the eaves of buildings. B. F. Liston. 2,469,971, May 10.
Apparatus for rolling flanges on tubes. E. F. Lohmann. 2,469,775, May 10.
Apparatus for slicing ham on the bone. H. J. Hoenselaar. 2,470,076, May 10.
Apparatus for stripping and drying artificial sausage skins. J. Wolff. 2,469,621, May 10.
Apparatus for testing adjustable resistances. J. O. Hamilton and L. J. Rozankowski. 2,469,465, May 10.
Apparatus for testing telephone calling dials. H. J. Thielker. 2,470,002, May 10.
Apparatus for treating skins. G. Dempsey. 2,469,636, May 10.
Applicator, Hair oil. M. E. Conwell. 2,469,763, May 10.
Aromatic amines, Stabilizing. A. E. Robertson. 2,469,745, May 10.
Article of footwear, Impact absorbing. C. T. Lee. 2,469,969, May 10.
Artificial limb. J. M. Tachar. 2,469,937, May 10.
Assembly for turbines, Bearing and seal. W. A. Ledwith. 2,469,734, May 10.
Attachment for air rifles, Cartridge firing. R. H. Dixon. 2,469,870, May 10.
Attachment for automobiles, Load handling. D. L. Brei. 2,469,945, May 10.
Attachment for bed structures, Obstetrical and fracture. R. R. Freund. 2,470,026, May 10.
Attachment for cameras, Polarizing filter. B. P. Sproul. 2,469,795, May 10.
Attachment for hydraulic jacks, Low lift. C. L. Thompson. 2,469,870, May 10.
Attachment for industrial trucks. J. Breslav. 2,469,812, May 10.
Attachment for windshield wipers. V. P. Schneider. 2,469,791, May 10.
Automatic print washer. S. Hornstein. 2,469,825, May 10.
Axle box. J. L. Hilton. 2,470,071, May 10.
Bags, Making shopping. F. P. Winesett. 2,469,536, May 10.
Baler, Rotary. C. J. Scranton. 2,469,580, May 10.
Banjo head tightener. E. J. Handloser. 2,469,643, May 10.
Bar: *See*—
Combination length bar.
Barium aluminate, Preparing. P. S. Roller. 2,469,413, May 10.
Base, Chewing gum. W. P. Cohoe. 2,469,861, May 10.
Battery handle connector. W. N. Allyn. 2,469,857, May 10.
Bearing: *See*—
Antifriction bearing.
Combination radial and thrust bearing.
Bender with abutment roller adjustably mounted on vertically inclined bracket, Pivoted. A. E. Lemay. 2,470,036, May 10.
Beta-cyano vinyl acetic acid esters. C. R. Milone. 2,469,836, May 10.
Beta lactones, Continuous process of producing. H. J. Hagemeyer, Jr., and D. C. Cooper. 2,469,890, May 10.
Beverages and manufacuring same, Stabilized fermented. J. S. Wallerstein and R. T. Alba. 2,470,006, May 10.
2,470,006, May 10.
Bib. F. H. McMartin. 2,469,835, May 10.
Bill compartment. G. K. Weaver. 2,469,485, May 10.
Binder, Loose-leaf. C. Z. Hubbell. 2,469,922, May 10.
Bituminous mix. B. H. Walt. 2,469,585, May 10.
Blade form for supercharger impellers. N. A. Dunnells and R. E. Gorton. 2,469,458, May 10.
Blade, Rotor. C. M. Seibel. 2,470,056, May 10.
Blade, Rotor. I. I. Sikorsky. 2,469,480, May 10.
Bleed valve. L. O. Keefer. 2,469,505, May 10.
Block for weaving shuttles, Yarn guiding. S. Wood. 2,470,064, May 10.
Block puzzle, Mortised. J. D. Boyle. 2,469,364, May 10.
Blowgun. E. A. Grewe. 2,469,642, May 10.
Board: *See*—
Ironing board.
Boat and filter, Combined. S. Voinovich. 2,469,802, May 10.
Bobbin holder. E. R. Blount. 2,469,590, May 10.
Boiler or the like having extended heat transfer surfaces, Steam. D. Dalin and G. V. Hagby. 2,469,635, May 10.
Bonding teeth to dental plates. W. Giese. 2,469,822, May 10.
Bookrests and the like. E. Murphy. 2,469,511, May 10.
Boron compounds, Preparation of. D. T. Hurd. 2,469,879, May 10.
Bottle, Baby's nursing. G. Allen and R. Dahl. 2,469,480, May 10.

Bottoming machine, Glass tube. G. Coby. 2,469,681, May 10.
Bowl, Stock watering. H. E. Bremer. 2,469,946, May 10.
Bowling ball cleaner. E. G. Bune. 2,469,948, May 10.
Box: *See*—
Axle box. Folding box.
Boxes, Method of and machine for making unitary setup covered. H. J. Goss. 2,469,641, May 10.
Bracket: *See*—
Condenser bracket. Pivotal bracket.
Four-wheel trolley bracket.
Brake for vehicles, Internally expanding. J. S. Irving. 2,469,826, May 10.
Brake pressure regulator. G. A. Sloan. 2,469,794, May 10.
Braking mechanism, Hydraulic. E. B. Cornwell. 2,469,632, May 10.
Brassière. A. Alt. 2,469,623, May 10.
Brassière. G. Kris. 2,469,654, May 10.
Building construction. R. G. Le Tourneau. 2,469,603, May 10.
Burner: *See*—
Gas burner.
Butyl rubber, Splicing. F. F. Sliver. 2,469,849, May 10.
Cabinet with removable screen controlling focusing system, Television. A. H. Rosenthal. 2,469,932, May 10.
Cable clamp. N. Tarnow. 2,469,936, May 10.
Cable composition, Electrical. P. T. Gidley. 2,469,721, May 10.
Calcium hypochlorite, Production of. J. W. Sprauer. 2,469,901, May 10.
Calculating machine. J. R. Bowman and E. T. Steinback. 2,469,628, May 10.
Calculator. W. A. Wartinen. 2,469,872, May 10.
Camera, Color separation. F. T. Powers, A. J. Powers, Jr., and F. E. Wattler. 2,469,891, May 10.
Can closing machine. E. E. J. Nordquist. 2,469,401, May 10.
Candles as oxygen yielding compositions, Chlorate. W. H. Schechter. 2,469,414, May 10.
Canister and distributor therefor. D. S. Burgess, E. A. Ramskill, and R. R. Miller. 2,469,367, May 10.
Canopy construction. C. C. King. 2,469,436, May 10.
Cap: *See*—
Lens-mount focusing cap.
Carbon arc control. C. J. Murch. 2,469,664, May 10.
Carburetor. C. W. Brown. 2,470,014, May 10.
Carriage, Folding. J. Reese and W. C. Troendle. 2,469,475, May 10.
Carrier for kite strings, Article. T. L. Baskin, Jr. 2,469,449, May 10.
Carrousel. J. H. and M. E. Decker. 2,469,498, May 10.
Casing head. G. D. Johnson. 2,469,772, May 10.
Cathode-ray beam deflection circuit. G. F. Rogers. 2,469,895, May 10.
Cation exchange materials. F. C. Nachod and W. Wood. 2,469,472, May 10.
Cell and operating same, Electrolytic. F. S. Low. 2,470,073, May 10.
Cellulose triacetate, Precipitation of. C. J. Maim and C. L. Crane. 2,469,395, May 10.
Cementing earth bores. I. W. Alcorn and D. C. Bond. 2,469,353, May 10.
Center of gravity and weight indicator. H. B. Davies. 2,470,069, May 10.
Centrifugal separator. H. W. Fawcett. 2,469,956, May 10.
Chain: *See*—
Antiskid chain. Cutter chain.
Chair and ladder, Combination. J. Furlin. 2,469,720, May 10.
Charging individual capsules with a compressed gas. G. S. McCloy. 2,469,975, May 10.
Check feeding machine. P. J. Clark. 2,470,017, May 10.
Chuck, Suction. E. O. Eriksson. 2,469,817, May 10.
Circuit: *See*—
Cathode-ray beam deflection circuit. Pulser circuit.
Vibrator test circuit.
Circuit apparatus, Railway track. R. M. Glison and P. N. Martin. 2,469,900, May 10.
Circuit breaker, Gas blast. E. Eichenberger. 2,469,459, May 10.
Circuit breaker, Screw-in. R. Ball. 2,469,492, May 10.
Circuits, Oscillator. W. E. Bradley and J. C. Tellier. 2,469,811, May 10.
Clamp: *See*—
Cable clamp. Take-up clamp.
Pipe support clamp.
Clamp for welding, Aligning. D. C. Holt. 2,469,965, May 10.
Clamping device, Clothesline. G. Pipia and J. Lee. 2,469,783, May 10.
Cleaner: *See*—
Bowling ball cleaner.
Clip: *See*—
Jewelry clip.
Clock motor and system, Electric. H. Maers. 2,469,834, May 10.
Clothesline post. W. W. Wilkinson and C. K. Smith. 2,469,805, May 10.
Clothes tree. G. Buahko. 2,469,494, May 10.
Column frame. J. S. Donahue and G. E. Strehan. 2,469,455, May 10.
Comb and nail file, Combined. A. M. Hillery. 2,469,769, May 10.
Comb, Fountain. J. H. Francis. 2,470,024, May 10.
Combination length bar. K. E. E. Hallin. 2,469,502, May 10.
Combination radial and thrust bearing. C. H. Witthoft. 2,469,677, May 10.
Combination tool. H. M. Haberman. 2,469,877, May 10.
Communications copy and schedule holder. L. E. Clark. 2,469,369, May 10.
Communion set, Dual cross. D. Goudreau. 2,469,552, May 10.
Compositions for intravenous treatment of genito-urinary infections and essential hypertension. A. T. Babienco. 2,469,759, May 10.
Compressor. E. A. Smith. 2,469,998, May 10.
Condenser bracket. P. B. Burrus. 2,469,451, May 10.
Condenser construction. J. J. Nagy. 2,470,045, May 10.
Condensing device, Sliver. O. W. Schlums. 2,470,055, May 10.
Conductor, Insulated. W. H. Smyers. 2,469,416, May 10.
Confection with support therefor. J. Barricini. 2,469,589, May 10.
Connector: *See*—
Battery handle connector. Electrical connector.
Connector. S. P. Becker. 2,469,542, May 10.
Connector. E. S. Child. 2,469,495, May 10.
Connector for tensile members, Detachable. J. R. C. Quilter. 2,469,574, May 10.
Construction for baby carriages, Antitip. H. W. Wickman and G. A. J. Racine. 2,469,909, May 10.
Container: *See*—
Exterior bomb container. Multichamber container.
Container. M. I. Williamson. 2,469,535, May 10.
Container for jewelry, Shipping and display. W. J. Thompson. 2,469,530, May 10.
Continuous drier. A. A. Locke. 2,469,882, May 10.
Continuous process of producing beta lactones at reduced pressure. H. G. Stone. 2,469,704, May 10.
Control apparatus, Electronic tension. A. Winther. 2,469,706, May 10.
Control device. W. D. Cockrell. 2,469,860, May 10.
Control device for thermostatic valves, Auxiliary. L. M. Payne. 2,469,930, May 10.
Control for axminster loom tube frame conveyor systems. R. F. Dion. 2,469,717, May 10.
Control for free-piston units, Spill port. K. C. Cooper. 2,469,714, May 10.
Control for free-piston units, Starting. D. E. Meitsler. 2,469,739, May 10.
Control for fuel supply systems. J. F. Armstrong and J. T. W. Moseley. 2,469,942, May 10.
Control for pulse transmission systems, Automatic frequency. G. W. Fyler. 2,469,875, May 10.
Control for refrigerators, Automatic. S. G. House. 2,469,648, May 10.
Control for spill ports in free-piston units. R. S. Buck and W. A. Ledwith. 2,469,712, May 10.
Control for welding machines, Electronic. J. L. Solomon. 2,469,934, May 10.
Control of variable pitch airscrews for aircraft. J. Martin. 2,469,900, May 10.
Control system, Condition. B. O. Christenson. 2,469,496, May 10.
Controller, Electric demand. H. W. Harper. 2,469,645, May 10.
Conversion unit for fire finders. W. Heckman. 2,469,387, May 10.
Cooking apparatus. A. T. Foster. 2,469,595, May 10.
Copolymers of butadiene and alkyl esters of alpha, beta dichloroacrylic acid. J. G. Lichty. 2,469,833, May 10.
Corset stay. J. L. Gowen. 2,469,722, May 10.
Counter actuating and resetting mechanism. W. Leathers. 2,469,655, May 10.
Counterboring device. T. M. Bondhus. 2,469,543, May 10. 2,469,543, May 10.
Coupling: *See*—
Flexible locking coupling. Tube coupling.
Pipe coupling.
Cover: *See*—
Furniture slip cover. Slip cover.
Motor vehicle cover.
Crankshaft bearing lubrication. E. F. Storey. 2,469,669, May 10.
Creeper, Tire wheel. H. C. Schildmeier. 2,470,054, May 10.
Cutter chain. L. E. Simmons. 2,469,523–4, May 10.
Cutting and printing machine. J. E. Sloat. 2,469,526, May 10.
Cutting machine, Sole. H. R. Polleys. 2,469,518, May 10.
Cyclopentano perhydrophenanthrene compounds. E. Kaiser and J. Svara. 2,469,967, May 10.
Dampener, Flutter. R. J. Woods. 2,469,488, May 10.
Decimal rounding off mechanism. C. Wittenmyer. 2,469,675, May 10.
Debydrator. J. N. Paquin and E. P. Bock. 2,469,842, May 10.
Deicing apparatus for compressors. C. D. Flagle. 2,469,375, May 10.
Deluge valve. L. M. Lewis. 2,469,831, May 10.
Dental cement apparatus. F. J. Skrob. 2,469,525, May 10.
Depositing reactive solutions to form an insecticide, Sequentially. A. Dinsley. 2,469,433, May 10.
Desiccator, Regenerable. A. A. Hirsch. 2,469,435, May 10.

Detector, Short circuit. L. L. Simkins. 2,469,703, May 10.
Detergent composition, Synthetic. G. E. Barker. 2,469,493, May 10.
Device for crimping tubular articles. F. M. Anthony. 2,469,426, May 10.
Device for inspecting feed perforated stripe. C. E. Phillimore. 2,469,608, May 10.
Device for molding and coating pipes and like articles. J. L. A. Contenson. 2,470,066, May 10.
Dial, Telephone calling. C. C. McCain. 2,469,974, May 10.
Dial telephone lock. B. Zion. 2,469,806, May 10.
Diaphragm pump. C. A. Erickson. 2,469,818, May 10.
Diaphragm support member, Loud-speaker. H. S. Knowles. 2,469,773, May 10.
Dielectric composition and making same. E. Wainer and A. N. Salomon. 2,469,584, May 10.
Die: *See*—
Embossing die.
Dilator, Urethral. F. J. Wallace. 2,469,906, May 10.
Dinitroparaffins, Preparation of. J. H. McCracken and G. S. Crandall. 2,469,396, May 10.
Dispensing apparatus, Toilet paper. M. Habuda. 2,470,030, May 10.
Dispensing device, Disposable. C. E. Munson. 2,469,399, May 10.
Divan mover. F. H. Carter. 2,469,547, May 10.
Door latch. A. H. Bowlser, Jr. 2,469,430, May 10.
Door latch. G. A. Lee. 2,469,601, May 10.
Door pull and catch, Cabinet. L. C. Rockwell. 2,469,893, May 10.
Drain arrangement for enclosures such as enclosures of explosion-proof motors or the like. G. E. Petterson. 2,470,050, May 10.
Dress, Adjustable house. M. L. Harris. 2,470,031, May 10.
Dresser, Grinding wheel. G. Eaton. 2,469,871, May 10.
Drier: *See*—
Continuous drier.
Drilling machine. F. H. Mueller and J. J. Smith. 2,470,044, May 10.
Drum agitator. J. H. Ingraham and W. A. Williams. 2,469,557, May 10.
Drying apparatus, Material. J. E. Kennedy. 2,469,562, May 10.
Drying grain. G. Wood and J. Mahon. 2,469,424, May 10.
Dye compounds containing a butadiene-1,3 grouping, Monoazo. J. B. Dickey. 2,469,652, May 10.
Dyeing with metallized dyes. H. E. Millson and S. Mooradian. 2,470,060, May 10.
Dyestuffs, Vat. R. N. Heslop, F. Irving, and A. Livingston. 2,470,032, May 10.
Dynamoelectric machine. H. B. Fuge. 2,469,820, May 10.
Dynamoelectric machine. C. W. H. Minchin. 2,469,662, May 10.
Electric contact formed of a ruthenium composition. F. R. Hensel, J. W. Wiggs, and V. E. Hell. 2,470,034, May 10.
Electric heater. O. G. Vogel. 2,469,800, May 10.
Electric heater. O. G. Vogel and L. Ziffrin. 2,469,801, May 10.
Electric soldering iron. A. R. Shay. 2,469,479, May 10.
Electrical connector. M. E. Mesek. 2,469,397, May 10.
Electrode assembly. G. V. Calabrese. 2,470,066, May 10.
Electrodeposition of nickel. R. A. Hoffman. 2,469,727, May 10.
Electron discharge apparatus. P. L. Hartman. 2,469,964, May 10.
Electron transit time tube. J. R. Pierce. 2,469,843, May 10.
Electronic apparatus for determining moisture content in materials. M. L. McBrayer. 2,469,736, May 10.
Eliminator, Air. E. B. Tidd. 2,469,616, May 10.
Embossing die. H. E. Wimpfheimer. 2,469,620, May 10.
Emulsion polymerisation of butadienes. C. E. Barnes. 2,470,065, May 10.
Emulsion polymers, Coagulation of. J. P. Johnson. 2,469,827, May 10.
Endoscope handle. M. V. Bhajekar. 2,470,013, May 10.
Energy directing apparatus. G. L. Tawney. 2,469,419, May 10.
Engine: *See*—
Internal-combustion engine. Rotary vane engine.
Engine construction with removable cylinders, Opposed piston. C. A. Jacobson. 2,469,651, May 10.
Envelope and blank for forming the same, Multisection. T. A. Terry. 2,469,853, May 10.
Epicyclic mechanism. P. Tatlow. 2,469,905, May 10.
Equalizer for standoff insulators, High potential. J. F. Frese. 2,469,380, May 10.
Esters of azelaic acid as plasticisers for rubberlike polymers. W. C. Smith. 2,469,748, May 10.
Esters of fatty acids, Mixed. F. A. Strauss. 2,469,446, May 10.
Evaporator unit. B. C. Johnson. 2,469,828, May 10.
Expansion sleever. E. J. Newhouse. 2,469,742, May 10.
Exterior bomb container. H. J. Biondi. 2,469,363, May 10.
Extruded articles from vinyl aromatic resins, Producing uniformly colored. K. E. Stober. 2,470,001, May 10.
Faceplate for wood lathes. G. Braun. 2,469,630, May 10.
Facsimile apparatus. R. J. Wise and R. D. Parrott. 2,469,423, May 10.
Fairing assembly for turbine bearings. C. A. Baresch. 2,469,711, May 10.
Feed mechanism for stapling machines. W. G. Pankonin. 2,469,985, May 10.
Feeding high-frequency electric currents to the electrodes of dielectric heating apparatus. J. C. Quayle and P. Jones. 2,469,990, May 10.
Filament and making same, Electrical impedance. A. C. Ruge. 2,470,051, May 10.
Filamentary reaction products of rubbery polymers with sulfur dioxide, Producing. G. E. Rumscheidt and W. L. Johannes de Nie. 2,469,947, May 10.
Filaments, Production of extremely thin. F. G. Brockman and J. W. Wescott, 2d. 2,469,947, May 10.
File, Paper. W. A. Anderson. 2,469,540, May 10.
Filling device with receptacle operated outlet valve. J. Sanchis. 2,469,746, May 10.
Fire alarm, Portable. T. Gogniat. 2,469,501, May 10.
Firebox, Collapsible. C. P. Molla. 2,469,885, May 10.
Fitting, Bimetallic drain. H. F. Reichenbach. 2,469,991, May 10.
Fitting, Venetian blind. H. Nelson. 2,469,839, May 10.
Flameproofing combustible cellulosic material and product resulting therefrom. A. McLean and S. F. Marrian. 2,470,042, May 10.
Flash welding, Method and apparatus for. F. Albrecht. 2,469,707, May 10.
Flexible locking coupling. E. S. Pearson. 2,469,516, May 10.
Flotation of chromite ores, Selective. A. J. Weinig. 2,469,422, May 10.
Fluid pump automatic air bleed valve. N. Basbark. 2,469,362, May 10.
Fluorohydrocarbons, Preparation of. L. F. Salisbury. 2,469,848, May 10.
Focusing apparatus for enlargers. J. H. Eagle. 2,469,685, May 10.
Folding box. J. F. Conway. 2,469,497, May 10.
Folding clothes rack. W. N. Applegate and C. A. Petersen. 2,469,911, May 10.
Folding machine. E. D. Coston. 2,469,813, May 10.
Folding machine. H. D. Lawrie. 2,470,072, May 10.
Food preparations from potatoes and similar farinaceous tubers, Production of. M. C. Schaul. 2,469,995, May 10.
Foot plate device, Orthopedic. R. Anderson. 2,469,361, May 10.
Footstool and table, Combination. A. Winter and V. Haggerty. 2,470,011, May 10.
Forming chemical reaction products of metal oxides. R. Fysel. 2,469,989, May 10.
Forming means for profile grinding wheels. C. B. A. Porter and C. P. Seymour. 2,469,844, May 10.
Forming stockings and the like, Method of and apparatus for. H. C. Gillespie. 2,469,640, May 10.
Four-wheel trolley bracket. J. E. Webb and A. G. Rose. 2,470,060, May 10.
Frame: *See*—
Column frame. Umbrella frame.
Pool ball spotting frame.
Froth flotation of sulfide ores with phenyl-imido-amyl-dithiocarbonate. R. Carvajal and J. J. Quiroga. 2,469,368, May 10.
Fumigating apparatus. K. D. Crooks. 2,469,814, May 10.
Furnace: *See*—
Magazine downdraft furnace.
Furnace with lift and swing aside roof, Arc. W. E. Moore. 2,469,740, May 10.
Furniture foot, Self-aligning. A. A. Andersen. 2,469,425, May 10.
Furniture slip cover. R. W. Roberts, Jr. 2,469,520, May 10.
Fuse. C. C. Lauritsen. 2,469,351–2, May 10.
Fuse, Impact. O. Wittel. 2,469,587, May 10.
Garment, Children's sleeping. L. W. Jacobson. 2,469,556, May 10.
Garment for infants, Transparent protective. E. S. Petrucelli. 2,469,700, May 10.
Garment hanger. R. A. Kelsey. 2,470,079, May 10.
Garment hanger. O. H. Snyder. 2,469,461, May 10.
Garment of the bifurcated nether type. N. B. Witter. 2,469,486, May 10.
Gas burner. J. P. Dresen. 2,469,499, May 10.
Gas-producing charges suitable for the generation of gas pressure for the operation of mechanical devices and for blasting operations. A. T. Tyre. 2,470,082, May 10.
Gas tank drain lock. A. M. Malluk. 2,469,973, May 10.
Gasket. D. D. Perry. 2,469,474, May 10.
Gauge: *See*—
Snap gauge.
Gauge support. J. J. Fetsko, Jr. 2,469,574, May 10.
Gauge support. E. A. Szuba. 2,469,904, May 10.
Gauging device. J. A. Trame, Jr. 2,470,004, May 10.
Gauging switch. M. W. Eaton. 2,469,686, May 10.
Gear: *See*—
X-ray mass chest apparatus control gear.
Gear with roller bodies, Stepless variable change-speed. J. Kopp. 2,469,658, May 10.
Gearing, Engine starter. J. E. Buxton, F. T. Christian, and R. E. Demure. 2,469,792, May 10.

Gearing, Engine starter. B. Ulrich, Jr., and G. W. Pontius, III. 2,469,854, May 10.
Gearing, Locomotive reversing. J. S. Newton. 2,469,743, May 10.
Glass, Infrared transmitting. W. H. Armistead. 2,469,490, May 10.
Glasses having a low coefficient of expansion. A. Dauzin. 2,469,867, May 10.
Glyceride oils, Reacting. I. M. Colbeth. 2,469,371, May 10.
Golf tee. J. Mursch. 2,469,926, May 10.
Governor, Vehicle. R. F. Nowalk. 2,469,779, May 10.
Grade indicator. A. P. Gubrud. 2,470,029, May 10.
Gravity feed centrifugal pump. J. H. V. Finney. 2,469,874, May 10.
Grid, Knockdown cooking. R. J. Morgan. 2,469,698, May 10.
Grille assembly for an air-conditioning apparatus. A. H. Eberhart. 2,469,955, May 10.
Grinding and polishing machine. P. d'V. d'Avancourt. 2,470,021, May 10.
Grinding machine. K. W. J. Hjelmblad. 2,469,770, May 10.
Grinding machine, Gear. M. R. Anderson. 2,469,807, May 10.
Grinding machine with automatic feed crush dressing roll. L. F. Polk. 2,469,988, May 10.
Guard, Bumper. E. D. Dall. 2,469,816, May 10.
Guard for rotary machine tools, Protective. H. A. Arnhart. 2,469,624, May 10.
Gyroscope-suspension system, Universal. H. W. Phair. 2,469,782, May 10.
Hair curler. S. M. Ritter. 2,469,576, May 10.
Hammock support. L. Carl. 2,469,950, May 10.
Hand tool. C. O. Crow. 2,469,865, May 10.
Handle: *See*—
Endoscope handle. Replacement handle.
Hanger: *See*—
Garment hanger.
Head for extrusion machines, Mixing. K. E. Stober. 2,469,999, May 10.
Heat exchange method for the drop-wise condensation of vapors. J. B. Hunter. 2,469,729, May 10.
Heat exchanger. J. F. Alcock. 2,469,758, May 10.
Heater: *See*—
Electric heater.
Heater. L. P. Herrington. 2,469,466, May 10.
Heating and drying device for footwear, Electric. F. M. Judd. 2,469,468, May 10.
Heating device, Space. F. C. Schoch. 2,469,898, May 10.
Heating, sizing, or forming quartz tubes and profiles, Method of and apparatus for. G. Guigas. 2,469,597, May 10.
Heating unit. H. W. Grosjean and E. M. A. Sixer. 2,469,963, May 10.
Heating unit, Electric. C. B. Curtiss. 2,469,634, May 10.
Helmet, Protecting. C. E. Bowers. 2,469,810, May 10.
High vacuum getter. J. R. Beers. 2,469,626, May 10.
Hinge. R. E. Weaver. 2,469,604, May 10.
Hoist, jack, and wire stretcher, Combination. F. W. Coffing. 2,470,019, May 10.
Hoist-lower control. G. L. Danforth. 2,469,594, May 10.
Hoist, Steam cargo. W. C. Markey. 2,469,567, May 10.
Holder: *See*—
Anchor line or stringer holder.
Bobbin holder.
Communications copy and schedule holder.
Nursing bottle holder.
Paintbrush holder.
Sash holder.
Spud wrench holder.
Holder for flatirons. C. A. Crusell. 2,469,866, May 10.
Holder for projector enlargers and cameras, Lens. J. M. Peters. 2,469,781, May 10.
Holder with four-pin cup, Lipstick. H. Broder. 2,469,631, May 10.
Hollow article and method and apparatus for producing the same. D. G. Rempel. 2,469,892, May 10.
Housing, Bus bar. W. M. Scott, Jr. 2,469,445, May 10.
Housing unit, Portable. J. C. Thomas. 2,469,752, May 10.
Humidostatic element. H. Wohrer. 2,469,537, May 10.
Husking roll with resilient section, Corn harvester. R. C. Fergason. 2,469,687, May 10.
Hydrazonitriles from azines of butyle ketones, Preparation of. W. L. Alderson, Jr., and J. A. Robertson. 2,469,858, May 10.
Hydrocarbon fractionating. G. W. Gross. 2,469,724, May 10.
Hydrocarbons, Dehydrogenation of. C. M. Thacker. 2,469,420, May 10.
Hydrophilic substance water repellent, Rendering. A. J. Barry. 2,469,825, May 10.
Hydrotherapeutic device, Facial. T. W. Jeppson. 2,469,771, May 10.
Hydroxy alkyl cellulose, Manufacture of. D. R. Erickson. 2,469,764, May 10.
Hydroxyaryl alicyclic carboxylic acids. E. Schwenk and D. Papa. 2,469,415, May 10.
Implement self-restoring to carried position, Wieldable. J. L. Mrozinski. 2,469,978, May 10.
Improving the surface of synthetic rubber sponge. T. H. Rogers, Jr. 2,469,894, May 10.
Increasing adhesivity of asphalt to mineral aggregate consisting of mollusk shells. A. Holmes. 2,469,728, May 10.
Incubator, Electric. J. W. Napier. 2,470,046, May 10.
Indicator: *See*—
Center of gravity and weight indicator.
Three axis attitude and direction indicator.
Grade indicator.
Indicator. K. H. Hellman, and H. N. Schmidt. 2,469,380, May 10.
Indicator and lockout welding current. E. M. Callender, R. S. Phair, and H. D. Van Sciver. 2,470,067, May 10.
Indicator plug. W. B. Jutte. 2,469,580, May 10.
Indicators for aircraft, Flight position. O. V. Phillips. 2,469,571, May 10.
Inhibiting foaming in steam boilers. P. G. Bird, and A. L. Jacoby. 2,469,450, May 10.
Insolubilization of water-soluble hydroxyl-containing polymeric materials. A. E. Broderick. 2,469,431, May 10.
Instrument, Electric musical. E. M. Spielman. 2,469,850, May 10.
Instrument for rotary wing aircraft. J. S. Pecker. 2,469,780, May 10.
Instrument for vehicle wheels, Gauging. W. and G. F. Bagge. 2,469,541, May 10.
Instrument, Indicating, controlling, and recording. E. H. Yonkers. 2,469,940, May 10.
Instrument, Musical stringed. E. Strong. 2,469,582, May 10.
Insulating materials and making, Heat. L. H. D. Fraser. 2,469,379, May 10.
Insulator for line wires. J. L. Grupen. 2,469,384, May 10.
Internal-combustion engine. E. M. Barber. 2,469,448, May 10.
Iron: *See*—
Electric soldering iron.
Ironing board. E. C. Booth and F. Jones. 2,469,809, May 10.
Jack: *See*—
Ladder jack.
Jack for automobile roofs, Roller. R. A. Pilsner. 2,469,987, May 10.
Jewelry clip. J. Roderman. 2,469,994, May 10.
Jig, Dowelling. G. D. Long. 2,470,038, May 10.
Joint: *See*—
Universal joint.
Joint and blade tension means, Scissors. D. C. Feather. 2,469,373, May 10.
Kit, Painter's. C. K. Spangler, and K. E. Sather. 2,469,749, May 10.
Knit goods and the like, and methods. L. W. Gottschalck, 2,469,961, May 10.
Knitting machine. R. C. Amidon. 2,469,880, May 10.
Lactone of 2 methyl 3 hydroxy 4 carboxy 5 hydroxymethyl pyridine, Preparing the. D. Heyl. 2,469,554, May 10.
Ladder. H. A. Johns. 2,469,559, May 10.
Ladder jack. E. L. Coble. 2,469,593, May 10.
Laminating by means of an isoolefin-diolefin interpolymer tie ply. F. P. Baldwin. 2,469,710, May 10.
Lamp: *See*—
Therapeutic lamp. Ultraviolet lamp.
Lamp for automobiles, Rear blinker. P. R. Slosar. 2,469,581, May 10.
Lamp system and operation, Electric discharge. H. K. Bourne. 2,469,357, May 10.
Lamp unit, Electric. E. B. Noel and P. B. Davis. 2,469,607, May 10.
Lapping machine. R. K. Kinard. 2,469,563, May 10.
Latch: *See*—
Door latch.
Latch unit, Disk harrow. C. H. White, W. P. Oehler, and C. H. Youngberg. 2,470,008, May 10.
Lawn mower blades, Sharpening. P. R. Hutchinson. 2,469,730, May 10.
Lens-mount focusing cap. C. M. Lee. 2,469,691, May 10.
Lift mechanism for disk plows. A. A. Scarlett and H. N. Jones. 2,469,579, May 10.
Lifting and adjusting mechanism, Tractor-drawn implement turn responsive. R. D. Acton. 2,469,622, May 10.
Lifting portions of vehicles, Method of and mechanism for. F. W. Coffing. 2,470,018, May 10.
Lighter. F. Heydle. 2,469,768, May 10.
Lighter, Cigarette. L. W. Kolter, Sr., and W. G. 2,469,507, May 10.
Lighter, Cigarette. S. Rein, and S. Tesler. 2,469,442, May 10.
Linkage for pallet trucks, Wheel lifting. H. J. Frambein. 2,469,638, May 10.
Load hook connection. C. S. Schroeder. 2,469,612, May 10.
Lock: *See*—
Dial telephone lock.
Gas tank drain lock.
Nondetrudable safety lock.
Locking device. J. W. Byer. 2,469,592, May 10.
Locking device. D. C. Robson. 2,469,993, May 10.
Logging, Gamma-ray. W. L. Russell. 2,469,461, May 10.
Logging, Neutron well. W. L. Russell. 2,469,462, May 10.
Logging of wells, Neutron. W. L. Russell. 2,469,463, May 10.
Loop taker, Sewing machine. C. H. Petskeyes. 2,469,517, May 10.
Lubricating and packing shaft. E. J. O'Rourke. 2,469,515, May 10.
Lubricating metal surfaces during cold working. G. H. Orozco, and J. A. Henricks. 2,469,473, May 10.

Machine controller, Dynamoelectric. E. Pell. 2,469,440, May 10.
Machine for electric-arc welding, Automatic. R. J. Schmerber. 2,469,790, May 10.
Machine for elongated packages, Tying. B. H. Bunn. 2,469,544, May 10.
Machine for marking wire, cable, rods, and the like. C. F. Robbins. 2,470,075, May 10.
Machine for operating on shoes. G. H. Collins. 2,469,453, May 10.
Machine for removing shoes from lasts. W. D. McKeon. 2,469,471, May 10.
Machine for shaping uppers over lasts. B. Jorgensen. 2,469,467, May 10.
Machine for solving simultaneous equations, Calculating. J. R. Bowman. 2,469,627, May 10.
Machine for welding thermoplastic films. R. D. Lowry, and W. R. Church. 2,469,972, May 10.
Machine milking plant. E. G. Redin, and K. E. Glander. 2,469,519, May 10.
Machine tool. F. J. Henkel. 2,469,920, May 10.
Magazine downdraft furnace. E. M. Franklin. 2,469,639, May 10.
Material and dry lubricating coating composition therefor, Precoated. R. A. Whitbeck. 2,470,062, May 10.
Measuring device, Handwheel load. A. J. Galko. 2,469,361, May 10.
Measuring frequency, Method and system for. J. P. Kinzer. 2,469,829, May 10.
Mechanical movement. J. D. Dry. 2,469,500, May 10.
Mechanism for axminster tube frame systems, Driving. W. H. Wakefield. 2,469,750, May 10.
Mechanism for bowling alleys, Pin discharging. J. F. Murphy. 2,469,886, May 10.
Mechanism for bowling pin setting machines, Ball return. R. E. Rundell, and G. E. Hagquist. 2,470,052, May 10.
Mechanism for draft riggings, Shock absorbing. G. E. Dath. 2,469,549, May 10.
Mechanism for printing machines, Inking. A. Stohb, and A. J. Albrecht. 2,469,796, May 10.
Mechanism for sequential contact switches. E. A. Miller. 2,469,976, May 10.
Mechanism for tractor drawn devices, Connecting and operating. A. P. McKay. 2,469,005, May 10.
Melting iron in electric furnaces. S. D. Williams. 2,470,010, May 10.
Metal flashing. H. P. Orth. 2,469,840, May 10.
Metal phthalocyanines and their derivatives, Producing. F. H. Moser. 2,469,663, May 10.
Metal sheets, Making apertured. D. C. Gresham. 2,469,689, May 10.
Meter: *See*—
Variable-rate electric meter.
Meter having transverse and oscillatory movement of the specimen, Graininess. M. H. Sweet. 2,469,935, May 10.
Metering assembly, Electrical. J. S. Liddle. 2,470,037, May 10.
Methylol dithionaphthoates. A. F. Hardman. 2,469,824, May 10.
Methylpolysiloxanes, Linear. W. I. Patnode. 2,469,890, May 10.
Methyl silicone elastomers, Preparation of. J. Maraden and G. F. Roedel. 2,469,883, May 10.
Micrometer, Combination. R. Layton. 2,469,926, May 10.
Milk, Quick frozen homogenized. F. L. Crowley. 2,470,020 May 10.
Mill: *See*—
Vibrator grinding mill.
Mixtures of alkyl aryl sulfonates. L. H. Flett. 2,469,876–8, May 10.
Modulating system. J. C. Ferguson, and A. T. Mayle, Jr. 2,470,023, May 10.
Modulator, Amplitude. E. R. Shenk. 2,469,747, May 10.
Modulator, Pulse-time. H. Goldberg. 2,470,027, May 10.
Modulator system. H. T. Winchel. 2,470,063, May 10.
Mold composition. B. F. Wallace. 2,469,907, May 10.
Mold composition and making same, Synthetic. B. F. Wallace. 2,469,908, May 10.
Motor control device, Electric. F. Rieber. 2,469,786, May 10.
Motor control system. E. H. Sills. 2,469,899, May 10.
Motor control system, Thyratron. B. Cooper. 2,469,862, May 10.
Motor for food mixers or the like, Electric. J. G. Ritter. 2,469,932, May 10.
Motor fuel, Cold starting. W. J. Sweeney. 2,469,751, May 10.
Motor vehicle cover. R. H. Fowler. 2,469,958, May 10.
Mounting for antifriction bearings. B. P. Strong. 2,469,483, May 10.
Mounting for field coil supports. T. S. McElrath. 2,469,661, May 10.
Mounting means for spinning rings. H. Mäder. 2,469,658, May 10.
Multichamber container. L. E. Robertson. 2,469,856, May 10.
Multiple push-button switch. S. G. Isserstedt. 2,469,650, May 10.
Negative resistance devices, Point contact. R. S. Ohl. 2,469,569, May 10.
Nicotine silicates, Production of heavy metal. F. E. Dearborn. 2,469,868, May 10.
Nicotine silicates, Production of water repellent heavy metal. F. E. Dearborn. 2,469,869, May 10.
Nitroaminobenzene ester compounds. J. G. McNally and J. B. Dickey. 2,469,695, May 10.
Nondetrudable safety lock. R. Rocha. 2,469,610, May 10.
Nursing bottle holder. R. C. Charbeneau. 2,469,850, May 10.
Oil base, Soluble cutting. A. J. Morway and J. C. Zimmer. 2,469,741, May 10.
Oil, Production of. D. C. Bond. 2,469,354, May 10.
Oil production, Synthetic lubrication. R. L. Heinrich. 2,469,725, May 10.
Oil with aerogel catalysts, Cracking. K. K. Kearby. 2,469,735, May 10.
Ophthalmoscope, Multiple lens hand type. J. E. Held. 2,469,388, May 10.
Organo-polysiloxanes. W. I. Patnode. 2,469,888, May 10.
Oscillator, Compensated, controlled-feedback, amplitude modulated. P. Weathers. 2,469,803, May 10.
Oxidation inhibitors. H. D. Kluge and E. C. Knowles. 2,469,469, May 10.
Package for oleomargarine, Coloring. H. A. Rohdin. 2,469,521, May 10.
Package, Novelty. S. B. Stefan. 2,470,058, May 10.
Paintbrush holder. B. B. and L. B. Craft. 2,469,864, May 10.
Parachute. J. R. C. Quilter. 2,469,573, May 10.
Pattern materials. K. E. Rose. 2,469,611, May 10.
Pencil, Mechanical. J. F. Robbins. 2,469,411, May 10.
Perambulator, Collapsible. J. D. Macklin and E. W. Bergmann. 2,470,040, May 10.
Phenylethyl sulfones. J. K. Fincke. 2,470,077, May 10.
Photoelectric devices, Operating. M. J. O. Strutt and A. van der Ziel. 2,469,852, May 10.
Piano. H. B. Rhodes. 2,469,667, May 10.
Piano. S. C. Shill. 2,469,668, May 10.
Piano action. B. F. Miessner. 2,469,568, May 10.
Piano soundboard. J. Sauerland. 2,469,522, May 10.
Pickup, Electromagnetic. H. F. Schwarz. 2,469,833, May 10.
Pickup, Torsional vibration. S. Stein. 2,469,417, May 10.
Pilot or master valve. O. E. Watson. 2,469,757, May 10.
Pipe. L. G. Wilhelm. 2,470,009, May 10.
Pipe coupling. D. S. Young. 2,469,588, May 10.
Pipe support clamp. P. C. Cantrell. 2,469,949, May 10.
Piston ring. E. E. Frazier. 2,469,958, May 10.
Pivotal bracket. A. E. Nelson. 2,469,981, May 10.
Pivoted inner jaw wrench. G. L. Watson, II. 2,470,007, May 10.
Plate, Locking. J. S. Pitisci. 2,469,441, May 10.
Plating machine. N. H. Mageoch. 2,469,470, May 10.
Plow and gauge wheel, Tractor mounted. W. H. Silver and J. I. Cantral. 2,469,996, May 10.
Plug: *See*—
Indicator plug. Spark plug.
Plumb bob, Adjustable. L. Suverkrop. 2,469,583, May 10.
Polishing machine. E. C. Lindsay and E. L. Anderson. 2,469,735, May 10.
Polyacetal polysulfide polymers. J. C. Patrick. 2,469,404, May 10.
Polyacrylamide, Preparing water-soluble. L. M. Minsk and W. O. Kenyon. 2,469,596, May 10.
Polymerization products and making same. J. B. Rust. 2,469,788, May 10.
Pool ball spotting frame. R. A. Jones. 2,469,652, May 10.
Portable support. B. Ames. 2,469,359, May 10.
Poultry, Defeathering. E. M. Davis. 2,469,953, May 10.
Powder and making same, Dusting. J. E. Fenn. 2,469,957, May 10.
Preserving perishables. W. A. Bridgeman. 2,469,914, May 10.
Pressure reducing valve. T. B. Ford, Jr. 2,469,719, May 10.
Proctoscope. M. H. Kowan. 2,469,880, May 10.
Projection of twisted wires. H. E. Wellcome. 2,469,533, May 10.
Propeller. J. Fischer. 2,469,910, May 10.
Protector: *See*—
Stocking protector.
Protein compositions, Forming. J. R. Calhoun and T. M. Buzzo. 2,469,546, May 10.
Pulse generation. J. F. Gordon. 2,470,028, May 10.
Pulser circuit. H. Morrison. 2,469,977, May 10.
Pump: *See*—
Diaphragm pump. Rotary pump.
Gravity feed centrifugal pump. Vacuum pump.
Pump bearing and seal assembly lubrication. J. M. Roth and W. C. Mahler. 2,469,840, May 10.
Pyrotechnic marker, Heat-action explosive. R. L. Tuve. 2,469,421, May 10.
Quinone-resorcinol tanning agent and process. J. S. Kirk. 2,469,437–8, May 10.
Rack: *See*—
Folding clothes rack. Tie rack.
Stove rack.
Rack structure, Dish supporting. J. G. Idle. 2,469,966, May 10.
Radioactivity measurement. R. E. Fearon. 2,469,460, May 10.
Radio communication system for a plurality of stations, Selective. F. B. Hitchcock. 2,469,555, May 10.
Radio control system. H. H. Abbott, H. M. Bascom, and P. B. Fairlamb. 2,469,539, May 10.

Radio receiver system, Directional. W. P. Lear. 2,469,970, May 10.
Radio receiver tuning indicator, including a wide angle viewing lens. J. Bergmans, J. G. Kronomer, and M. Leenwin. 2,470,012, May 10.
Railway, Superspeed elevated. W. C. Cox. 2,469,432, May 10.
Ray-emission apparatus. G. G. Ellner. 2,469,872, May 10.
Receiver, Television. F. B. Norton. 2,470,048, May 10.
Rectifier. I. Levin. 2,469,393, May 10.
Reel: *See*—
Self-advancing winding reel.
Regulator: *See*—
Brake pressure regulator.
Release device for parachute harnesses, Quick. J. W. Horning. 2,469,391, May 10.
Remover, Fishhook. J. D. Mundy. 2,469,699, May 10.
Removing random fluctuations from intensity measurements, Method and apparatus for. C. J. Gibbs and J. H. Stein. 2,469,383, May 10.
Replacement handle. L. J. Vesper. 2,469,705, May 10.
Resins and producing the same, Anion active. J. R. Dudley. 2,469,684, May 10.
Resins prepared from alkylene polyamines and hydroxy-substituted aliphatic polyhalides, Anion active. L. A. Lundberg. 2,469,693, May 10.
Reversible friction clutch wrench. L. E. Pratt. 2,469,572, May 10.
Revolving Christmas tree stand. A. N. Masone. 2,469,884, May 10.
Rheostat with switch. J. G. Kunz, Jr. 2,469,924, May 10.
Rims for tires, Demountable. H. B. Boyer. 2,469,629, May 10.
Ring: *See*—
Piston ring.
Rocker arm, Engine. J. M. Leake. 2,469,564, May 10.
Rocket device. C. C. Lauritsen. 2,469,350, May 10.
Roller, Flue. E. F. Viliter. 2,470,005, May 10.
Rotary pump. P. C. Tabbert. 2,469,936, May 10.
Rotary vane engine. W. W. Martinmaas, Jr. 2,469,610, May 10.
Rotor, Induction motor. L. E. Aske. 2,469,808, May 10.
Rowboat, Manually operated. W. E. Hogreff. 2,469,646, May 10.
Rubber base materials, Nonslipping. R. W. Cuthill. 2,469,372, May 10.
Rubber compositions, Vulcanization of. P. J. Flory and N. Rabjohn. 2,469,819, May 10.
Rubbery copolymers of (trifluoromethyl) vinyl aromatic compounds. M. W. Renoll. 2,469,545, May 10.
Rule, Tape. E. J. Witchger. 2,469,674, May 10.
Safety device. H. P. Watson and G. W. Rogers. 2,470,059, May 10.
Safety for automatic guns, Firing and loading. C. W. Newell. 2,469,400, May 10.
Sandal with pivoted-ring strap receivers. V. C. Alexander. 2,469,708, May 10.
Sander. F. H. Myshrall. 2,469,980, May 10.
Sash holder. A. P. Gratkowski. 2,469,464, May 10.
Saw filing stand. R. J. Stiffemire. 2,469,627, May 10.
Scaffold. T. G. Di Santi. 2,469,716, May 10.
Scalper, Horisontal rotary. A. Axell. 2,469,943, May 10.
Screen for gutters. J. H. Ours. 2,469,841, May 10.
Screw closure, Tamperproof. D. L. Spender. 2,470,057, May 10.
Seal. G. R. Aschauer. 2,469,588, May 10.
Seat for barber chairs, Child's. E. L. Connelly. 2,469,548, May 10.
Self-advancing winding reel. R. Hellbach. 2,469,767, May 10.
Self-energising electrolytic water correction device. E. M. Butler. 2,469,545, May 10.
Separating gases from liquid fuel. R. R. Curtis. 2,469,917, May 10.
Separator: *See*—
Centrifugal separator.
Setting mechanism for calculating machines. J. T. Tierney. 2,469,754, May 10.
Sewing-machine table. C. A. Kessler. 2,469,968, May 10.
Sharpener, Drill. W. R. Spiller and L. L. West. 2,469,900, May 10.
Sharpener, Knife. J. A. De Cicco. 2,470,022, May 10.
Sharpener, Knife. W. F. Thompson. 2,469,797, May 10.
Sharpener, Pencil. W. J. Brooks. 2,469,858, May 10.
Sharpener, Pencil point. A. Cornish-Bess. 2,469,952, May 10.
Shears, Grass. P. L. Newbold. 2,469,983, May 10.
Shield device. A. and G. Toth. 2,469,531, May 10.
Shield device, Sectional. J. Kosinski. 2,469,774, May 10.
Shock strut. F. E. Bachman. 2,469,912, May 10.
Shoe, Force-lasted. J. S. Kamborian. 2,469,561, May 10.
Shoe, Slip lasted platform. L. B. Hollander. 2,469,647, May 10.
Shoes, Manufacture of turn. K. A. Stritter. 2,469,482, May 10.
Shoval attachment, Tractor. W. E. Templeton. 2,469,615, May 10.
Shutter with built-in synchronizer, Automatic. C. C. Fuerst. 2,469,688, May 10.
Signal: *See*—
Trailer tire deflation signal.
Signal for motion-picture projectors, Audible reel. J. G. Jackson. 2,469,731, May 10.
Signal level control, Video. L. F. Mayle. 2,469,606, May 10.
Signaling device for cycles and the like. J. P. Bauters. 2,469,944, May 10.
Signaling device for mailboxes. L. C. Jaskala. 2,469,558, May 10.
Siliceous magnesium-containing purifying medium and producing it. J. J. Naugle. 2,469,512, May 10.
Silicon, Producing. M. M. Striplin, Jr. 2,469,418, May 10.
Skate, Ice and snow. G. Trachslin. 2,469,798, May 10.
Ski binding. O. S. Ruud. 2,469,479, May 10.
Ski retainer. H. R. Lynn. 2,469,604, May 10.
Skirt, Crinoline. I. Cohen. 2,469,855, May 10.
Slip cover. E. Gould. 2,469,876, May 10.
Snap gauge. L. S. Subber. 2,469,613, May 10.
Soaking hides with a sulfonated phenol-formaldehyde condensation product. C. Richs. 2,469,787, May 10.
Soap product, Powdered. J. M. Tabor, H. F. Seibert, and P. R. Frohring. 2,469,753, May 10.
Socket, Electric wall. J. C. Welton and R. R. Rundell. 2,469,939, May 10.
Soil composition, Stabilized natural. C. G. Hammond. 2,469,356, May 10.
Soldering method and apparatus, Can. L. L. Jones and J. B. Yatrom. 2,469,392, May 10.
Sound distributing system for drive-in theaters. J. D. Phyfe. 2,469,986, May 10.
Spacer and guide for stenographic machines, Key lever. H. E. Hooe. 2,469,390, May 10.
Spark plug. F. R. Hensel. 2,470,033, May 10.
Spray drier apparatus. J. M. Hall. 2,469,553, May 10.
Spring. P. G. Groom. 2,469,596, May 10.
Spring. E. Latshaw. 2,469,925, May 10.
Spring suspension for vehicle trucks. J. J. Low. 2,469,566, May 10.
Sprinkler, Automatic. L. M. Lewis. 2,469,832, May 10.
Sprinkler, Lawn. H. E. Wessels. 2,469,534, May 10.
Sprocket, Radial adjusting. D. C. Patmore. 2,469,665, May 10.
Spud wrench holder. A. N. Hanson. 2,469,386, May 10.
Square. C. Hudkins. 2,470,035, May 10.
Stake releasing means for vehicle log bunks. W. A. Berry. 2,469,760, May 10.
Stand: *See*—
Revolving Christmas tree stand.
Saw filing stand.
Stapling device. W. G. Pankonin. 2,469,984, May 10.
Stenciling with sectional screens. W. T. Warde. 2,469,671, May 10.
Stepladder, Convertible. R. R. Salisbury. 2,470,053, May 10.
Stirring device. W. W. Hunter and I. McNab. 2,469,649, May 10.
Stitch separating machine. W. S. Robson. 2,469,477, May 10.
Stocking protector. J. M. Conley. 2,469,863, May 10.
Stool, Adjustable pedestal. H. M. Schaef. 2,469,896, May 10.
Stove rack. G. A. McGee. 2,469,776, May 10.
Strap, Wrist watch. L. A. Truckenmiller. 2,469,532, May 10.
Stretcher, Wire. E. G. Geisendorff. 2,469,766, May 10.
String of sound producing devices, Portable. E. J. Nicorvo. 2,470,047, May 10.
Strip feed mechanism, Intermittent. A. S. Howell. 2,469,503, May 10.
Sugar cane juice, Clarification of. G. T. Warren and R. A. Jordan. 2,470,076, May 10.
Sulfolyranyl carbamates. R. C. Morris and R. M. Horowitz. 2,469,838, May 10.
Support: *See*—
Gauge support.
Hammock support.
Portable support.
Support having spacing frame, Mirror. C. R. Jones. 2,469,923, May 10.
Supporting means for railroad cars, Brake beam. M. S. Johnson and G. F. Oakley. 2,469,504, May 10.
Suppository, Vaginal. W. C. Ward and A. B. Scott. 2,469,618, May 10.
Suspender, Figure-free maternity. S. A. Siegel. 2,469,793, May 10.
Suspension means for vehicles, Pneumatic. R. Goulrand. 2,469,962, May 10.
Switch: *See*—
Gauging switch.
Multiple push-button switch.
Switch contact. C. H. Hannon and A. L. Jenny. 2,469,878, May 10.
Switching system, Electromagnetic. W. A. Ray. 2,469,600, May 10.
Synthesis of hydrocarbons from carbon monoxide and hydrogen with an iron type catalyst. A. Voorhies, Jr. 2,469,755, May 10.
Tab device, Selective information. W. W. Cline. 2,469,762, May 10.
Table: *See*—
Sewing-machine table.
Take-up clamp. J. F. Fair. 2,469,550, May 10.

Tanning product and process. H. C. Beachell. 2,469,428, May 10.
Telemetering system for transmitting indications of movements. J. Razek. 2,469,744, May 10.
Telescoping tractor and horse-drawn hitch, Combination. E. M. O'Donnell. 2,469,514, May 10.
Testing apparatus, Magnetic. J. C. Sellars. 2,469,476, May 10.
Testing device for attachment to flashlights, Electrical. G. C. Zachae. 2,468,910, May 10.
Testing device, Razor blade. E. D. Hallock. 2,469,385, May 10.
Tethering device for airplanes. J. Martin. 2,469,659, May 10.
Textile materials, Treatment of. D. H. Powers and E. H. Rossin. 2,469,407-9, May 10.
Therapeutic lamp. C. B. Roebken. 2,469,412, May 10.
Three axis attitude and direction indicator. J. B. Parker. 2,469,403, May 10.
Tie rack. H. M. Canner. 2,470,015, May 10.
Time consuming or delay action mechanism. H. E. R. Thomas. 2,470,003, May 10.
Tire, Cushioned. H. C. Lord. 2,469,394, May 10.
Tire removing apparatus, Frame mounted axially collapsing type. W. Greene. 2,469,723, May 10.
Toboggan. E. B. Fish. 2,469,765, May 10.
Toilet, Rabbit or animal. W. Quinn. 2,469,784, May 10.
Tong, Tire chain. G. H. Sweeney. 2,469,614, May 10.
Tool: *See*—
Combination tool.
Hand tool.
Machine tool.
Tool for cleaning concave cylindrical surfaces. R. C. Wallace. 2,469,586, May 10.
Tool for dressing grinding wheels. O. M. Braaten. 2,469,365, May 10.
Toolholder and adapter chuck for motor-driven tools. E. G. Galbraith. 2,469,821, May 10.
Top stop, Removable. D. Marinsky. 2,469,509, May 10.
Toy, Moving picture. E. M. Leigh. 2,469,602, May 10.
Trailer, Folding wheel. K. Kerr and M. Swensson, 2,469,506, May 10.
Trailer tire deflation signal. C. T. Pratt. 2,469,931, May 10.
Tramway. H. D. Ralston and R. A. Pearson. 2,469,576, May 10.
Transducer adapted to compensate for twisting of record wire, Magnetic. D. E. Sunstein. 2,469,750, May 10.
Transducer, Frequency controlled. F. Rieber. 2,469,785, May 10.
Transducer, Magnetic sound recording and reproducing. H. E. Roys. 2,469,444, May 10.
Transmission for motor vehicles, Automatic. C. Valle. 2,469,799, May 10.
Transmission gear shifting mechanism, Headstock. H. E. Laubach, R. C. Johnson, and V. J. Kramer. 2,469,881, May 10.
Transmission through grounded conducting structures and the like, Radio-frequency. K. L. Bell. 2,470,000, May 10.
Transmitter, Cam controlled pulse. E. Bodmer. 2,469,761, May 10.
Trap: *See*—
Animal trap.
Tray for automobiles, Vertically adjustable. J. W. Linda and J. M. Hill. 2,469,657, May 10.
Tray, Serving. J. L. Mohnn. 2,469,777, May 10.
Treating wood. R. H. Baechler. 2,469,427, May 10.
Tri-isobutylene, Desulfurization of. W. G. Hockberger. 2,469,726, May 10.
Truck, Railway car. K. F. Nystrom and V. L. Green. 2,469,513, May 10.
Truss construction. J. Rodrigues. 2,469,577, May 10.
Tube: *See*—
Electron transit time tube.
Tube apparatus, Electronic flash. R. B. Basham. 2,469,913, May 10.
Tube coupling. H. D. Stecher and E. F. Jackman. 2,469,851, May 10.
Tube securing means for locomotive and other boilers. W. E. Woodard and A. H. Filander. 2,469,487, May 10.
Tuning control and band switching arrangement. H. T. Abrams. 2,469,941, May 10.
Tuning device for pianofortes. J. Meissner. 2,469,738, May 10.
Tuning fork and control system. A. G. Cooley. 2,469,951, May 10.
Turbine, Combination steam and gas. E. T. Wyman. 2,469,678, May 10.
Turbine cooling. A. Kalitinsky. 2,469,732, May 10.
Turbine, Gas. W. G. Lundquist. 2,469,439, May 10.
Turbine, Gas. E. T. Wyman. 2,469,679, May 10.
2-bis(5-cyclipyrrole)azamethine dyes. E. B. Knott. 2,469,830, May 10.
2-chlorobenzothiazoles, Preparation of. N. S. Moon. 2,469,697, May 10.
2,5 dimethylfuran and acetonylacetone, Manufacture of. I. M. Helibron and E. R. H. Jones. 2,470,070, May 10.
Ultraviolet lamp. H. C. Rentschler. 2,469,410, May 10.
Umbrella frame. W. S. Evans and L. G. Tartaglia. 2,469,637, May 10.
Universal joint. S. L. C. Coleman. 2,469,713, May 10.
Unsaturated products, Producing. I. M. Colbeth. 2,469,370, May 10.
Uranium tetrabromide, Producing. J. M. Carter. 2,469,916, May 10.
Vacuum pump. D. F. Wilcock and E. G. Chace. 2,469,880, May 10.
Valve: *See*—
Bleed valve.
Deluge valve.
Fluid pump automatic air bleed valve.
Pilot or master valve.
Pressure reducing valve.
Valve. G. F. Hoge. 2,469,921, May 10.
Valve construction for grounded aviation trainers. S. A. Douglas. 2,469,918, May 10.
Valve for watering troughs. W. R. Tippett. 2,469,617, May 10.
Valve having accessible pressure equalising means, Mixing. J. Fraser. 2,470,025, May 10.
Valve structure. J. W. Marsh. 2,470,041, May 10.
Vaporizer. P. H. Lienert. 2,469,656, May 10.
Variable-rate electric meter. P. G. Whitmore. 2,469,673, May 10.
Ventilator, Collapsible window. J. Swanski. 2,469,903, May 10.
Vibrator grinding mill. G. Thiman. 2,469,484, May 10.
Vibrator test circuit. M. E. Nulsen. 2,470,049, May 10.
View finder, Infinity sight. P. and M. N. Mainardi. 2,469,927, May 10.
Vise with quick positioning jaws. S. W. Jordan. 2,469,600, May 10.
Vulcanised rubber scrap, Reclaiming. L. B. Tewksbury, Jr., and L. H. Howland. 2,469,529, May 10.
Wagon. J. D. Wheeler. 2,470,001, May 10.
Warming and conditioning apparatus, Combined frankfurter and roll. N. G. Morici. 2,469,778, May 10.
Washer: *See*—
Automatic print washer.
Water correction device, Electrolytic. E. M. Butler. 2,469,680, May 10.
Wave translating system. M. E. Mohr. 2,469,837, May 10.
Weight, Wheel balance. L. R. Simpson. 2,469,997, May 10.
Welding device. M. J. Manning. 2,470,074, May 10.
Welding equipment. C. T. Gayley. 2,469,382, May 10.
Welding machine, Box. R. S. Cutright. 2,469,815, May 10.
Welding of aluminum, Method and apparatus for resistance. E. W. Schilling and A. M. Bramblett. 2,469,897, May 10.
Wheel and making the same, Abrasive. E. Meyer. 2,469,308, May 10.
Wire cutting and bolding means, Baler. M. Ronning and K. M. Keith. 2,469,578, May 10.
Work positioner. J. F. Harrison. 2,469,044, May 10.
Wrapping and labeling receptacles. W. T. Burbank. 2,469,366, May 10.
Wrench: *See*—
Pivoted inner jaw wrench.
Reversible friction clutch wrench.
Wrench with terminal adjusting nut, Slidable jaw. J. Rusek. 2,469,789, May 10.
X-ray mass chest apparatus control gear. A. Nemet and M. Berindei. 2,469,982, May 10.

CLASSIFICATION OF PATENTS

ISSUED MAY 10, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 49: 2,469,964
2,469,985
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33: 2,469,788
42: 2,469,623
2,469,654
49: 2,469,833
60.5: 2,469,760
76: 2,470,011
83: 2,469,556
221: 2,469,855
234: 2,469,486
239: 2,469,961
257: 2,469,722
7: 2,469,387
3— 92: 2,470,026
5— 92: 2,469,950
129: 2,469,950
254: 2,469,596
8— 43: 2,470,080
94.18: 2,469,787
94.33: 2,469,438
2,469,437
2,469,438
12— 10.1: 2,469,467
15.1: 2,469,471
26: 2,469,518
34: 2,469,453
41: 2,469,477
55: 2,469,813
142: 2,469,482
13— 9: 2,469,740
15— 97: 2,469,948
16— 54: 2,469,447
149: 2,469,804
17— 43: 2,469,958
18— 12: 2,469,990
26: 2,469,892
54: 2,469,847
55.1: 2,469,822
19— 131: 2,470,055
20— 2: 2,469,752
21— 106: 2,469,514
22— 164: 2,469,511
188: 2,469,907
2,469,906
23— 14.3: 2,469,918
52: 2,469,413
96: 2,469,901
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204: 2,469,879
223.5: 2,469,413
261: 2,469,367
24— 81: 2,469,542
132: 2,469,766
134: 2,469,550
2,469,783
205.11: 2,469,509
205.17: 2,469,391
25— 38: 2,470,006
41: 2,469,559
26— 71.7: 2,469,767
76: 2,470,080
29— 268: 2,469,644
30— 248: 2,469,822
269: 2,469,373
31— 58: 2,469,519
33— 70: 2,469,367
112: 2,470,085
147: 2,469,613
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204: 2,469,403
209: 2,479,029
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34— 45: 2,470,043
68: 2,469,434
80: 2,469,435
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74: 2,469,389
35— 2: 2,469,823
36— 7.5: 2,469,909
11.5: 2,469,708
19.5: 2,469,561
2,469,647
38— 117: 2,469,809
40— 105: 2,469,389
42— 1: 2,469,870
43— 29: 2,469,599
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44— 52: 2,469,751
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62— 1: 2,469,434
8: 2,469,648
37: 2,469,979
109.5: Re.23,110
126: 2,469,828
63— 20: 2,469,904
64— 23: 2,469,712
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66— 86: 2,469,360
67— 7.1: 2,469,442
2,469,507
2,469,788
69— 29: 2,469,636
70— 174: 2,469,592
232: 2,469,973
72— 1: 2,469,603
73— 65: 2,470,099
104: 2,469,383
133: 2,469,381
167: 2,469,606
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200: 2,469,653
200.18: 2,469,655
252: 2,469,524
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171: 2,469,718
172: 2,470,034
76— 78: 2,469,527
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238: 2,469,668
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88— 1: 2,470,012
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22: 2,469,388
24: 2,469,695
2,469,781
2,469,801
65: 2,469,795
97: 2,469,923
89— 1: 2,469,490
2,469,533
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1.7: 2,469,350
90— 58: 2,469,920
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55: 2,469,621
93— 3: 2,469,396
35: 2,469,536
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95— 11.5: 2,469,968
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97— 17: 2,469,995
53: 2,469,579
98— 40: 2,469,663
99— 48: 2,470,006
135: 2,469,861
138: 2,469,599
168: 2,469,911
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192: 2,470,020
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226: 2,469,626
102— 60: 2,469,421
76: 2,469,351
81: 2,469,352
81.6: 2,469,587
103— 103: 2,469,374
2,469,546
136: 2,469,510
150: 2,469,818
104— 135: 2,469,432
105— 154: 2,470,060
197: 2,469,513
106— 39: 2,469,564
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53: 2,469,867
86: 2,469,379
98: 2,469,356
100: 2,469,999
146: 2,469,546
154: 2,469,432
263: 2,469,728
105— 1: 2,469,971
20: 2,469,540
30: 2,469,541
110— 29: 2,469,639
112— 225: 2,469,517
113— 14: 2,469,401
33: 2,469,365
68: 2,469,815
99: 2,469,965
112: 2,469,392
114— 218: 2,469,443
115— 24: 2,469,646
116— 74: 2,469,731
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116— 124: 2,469,780
117— 76: 2,470,042
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120— 17: 2,469,411
26: 2,469,511
90: 2,469,958
91: 2,469,952
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6: 2,469,487
122— 32: 2,469,448
46: 2,469,739
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179: 2,469,942
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37: 2,469,871
126— 67: 2,469,896
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128— 4: 2,470,013
5: 2,469,880
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146— 151: 2,470,078
148— 31: 2,469,887
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152— 229: 2,469,666
327: 2,469,394
153— 9: 2,469,426
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46: 2,469,403
2,469,406
181: 2,469,775
82: 2,470,004
154— 1: 2,469,633
14: 2,469,849
42: 2,469,972
130: 2,469,710
155— 42: 2,469,720
94: 2,469,866
131: 2,469,548
182: 2,469,520
2,469,576
157— 1.2: 2,469,723
158— 104: 2,469,499
159— 4: 2,469,553
160— 102: 2,469,908
177: 2,469,520
166— 14: 2,469,772
22: 2,469,353
2,469,354
167— 20: 2,469,433
36.5: 2,469,427
64: 2,469,518
65: 2,469,739
78: 2,469,456
2,469,457
169— 19: 2,469,851
38: 2,469,832
170— 159: 2,470,056
160.22: 2,469,660
165: 2,469,919
171— 97: 2,469,643
2,469,754
209: 2,469,417
252: 2,469,661
273: 2,469,673
172— 36: 2,469,820
2,469,982
2,470,030
120: 2,469,808
275: 2,469,834
173— 228: 2,469,397
330: 2,469,939
174— 33: 2,469,474
52: 2,470,087
94: 2,469,380
99: 2,469,443
120: 2,469,416
152: 2,470,066
169: 2,469,364
175— 41: 2,470,045
183: 2,469,455
2,469,476
2,469,703
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2,469,910
2,470,049
320: 2,469,609
366: 2,469,393
375: 2,469,680
176— 122: 2,469,410
177— 7: 2,470,047
311: 2,469,501
2,470,067
329: 2,469,561
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178— 6.6: Re.23,113
7.1: 2,469,423
7.5: 2,469,992
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179— 1: 2,469,966
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2,469,444
100.41: 2,469,933
171: 2,469,598
2,469,843
175.1: 2,470,002
189: 2,469,806
180— 82.1: 2,469,779
181— 32: 2,469,773
183— 2.5: 2,469,917
114.6: 2,469,724
181— 6: 2,469,660
188— 1: 2,470,018
78: 2,469,526
90: 2,469,632
93: 2,469,485
205: 2,469,402
212: 2,469,504
189— 31.5: 2,469,503
42: 2,469,453
192— 4: 2,469,743
193— 42: 2,469,945
2,469,957
196— 52: 2,469,733
197— 105: 2,469,290
200— 5: 2,469,550
33: 2,469,761
57: 2,469,558
58: 2,469,931
67: 2,469,696
200— 67: 2,469,976
113: 2,469,492
148: 2,469,459
166: 2,469,578
201— 55: 2,469,924
63: 2,470,051
64: 2,469,574
67: 2,469,900
2,469,801
204— 12: 2,469,947
18: 2,469,699
49: 2,469,727
196: 2,469,470
248: 2,469,545
2,469,680
266: 2,470,073
205— 21: 2,469,473
206— 15.11: 2,469,749
19: 2,469,552
56: 2,469,631
73: 2,469,495
75: 2,469,530
209— 109: 2,469,368
187: 2,469,423
268: 2,469,943
210— 24: 2,469,692
2,469,694
131: 2,469,542
148: 2,469,802
211— 27: 2,469,547
71: 2,469,966
90: 2,469,776
100: 2,470,015
118: 2,469,681
119.18: 2,469,774
172: 2,470,494
178: 2,469,911
212— 24: 2,469,549
214— 110: 2,469,512
140: 2,469,615
215— 11: 2,469,459
219— 4: 2,469,707
2,469,967
2,470,074
8: 2,469,382
19: 2,469,468
2,469,791
21: 2,469,877
26: 2,469,479
45: 2,469,656
46: 2,469,486
47: 2,469,709
2,469,930
220— 8: 2,469,556
39: 2,470,057
222— 479: 2,469,746
223— 72: 2,469,742
76: 2,469,640
93: 2,470,079
224— 4: 2,469,532
5: 2,469,396
226— 20: 2,469,976
228— 26: 2,469,559
68: 2,470,083
229— 6: 2,469,497
27: 2,469,595
72: 2,469,853
230— 1: 2,469,875
25: 2,469,772
2,469,714
101: 2,469,689
134: 2,469,458
152: 2,469,986
172: 2,469,908
233— 43: 2,469,966
235— 61: 2,469,627
2,469,628
2,469,672
2,469,676
144: 2,469,655
236— 34: 2,469,930
237— 1: 2,469,496
56: 2,469,618
240— 1.3: 2,469,607

240— 10.6: 2,469,857
37: 2,469,491
241— 175: 2,469,454
242— 46.2: 2,469,560
55.2: 2,470,030
68: 2,469,903
75: 2,469,706
84.9: 2,469,874
85: 2,469,978
244— 15: 2,469,619
42: 2,469,902
115: 2,469,859
121: 2,469,436
124: 2,469,591
134: 2,469,480
152: 2,469,573
155: 2,469,449
246— 34: 2,469,960
465: 2,469,575
248— 45: 2,469,884
58: 2,469,949
106: 2,469,859
110: 2,469,864
117.1: 2,469,866
124: 2,469,904
165: 2,469,606
220.5: 2,469,451
226: 2,469,874
238: 2,469,593
280: 2,469,981
249— 56: 2,469,954
250— 6: 2,469,539
2,469,555
27: 2,470,934
27.5: 2,469,626
33.65: 2,469,419
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36: 2,469,569
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250— 39: 2,469,829
40: 2,469,941
52: 2,469,872
53.6: 2,469,333
2,469,460
2,469,461
2,469,462
2,469,463
95: 2,469,982
214: 2,469,852
217: 2,469,664
251— 76: 2,469,921
252— 18: 2,470,062
54: 2,469,469
161: 2,469,493
197: 2,469,414
321: 2,469,460
457: 2,469,513
254— 78: 2,469,514
85: 2,469,500
133: 2,470,015
134: 2,469,670
160: 2,469,567
173: 2,470,059
257— 6: 2,469,758
28: 2,469,729
124: 2,469,963
259— 72: 2,469,525
108: 2,469,557
135: 2,469,649
148: 2,469,585
260— 2: 2,469,683
2,469,684
2,469,693
2.5: 2,469,894
15: 2,469,431
22: 2,469,371
31.8: 2,469,748
41: 2,470,001
45.5: 2,469,721

260— 46.5: 2,469,883
63: 2,469,788
77.5: 2,469,838
79.3: 2,469,472
80.7: 2,469,845
83.3: 2,469,827
83.5: 2,469,833
83.7: 2,470,065
89.7: 2,469,696
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205: 2,469,662
209: 2,469,947
230: 2,469,395
231: 2,469,764
270: 2,469,868
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276: 2,470,032
295: 2,469,554
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313: 2,469,830
314.5: 2,469,663
329: 2,469,823
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2,469,704
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397.1: 2,469,967
397.7: 2,469,695
404.5: 2,470,081
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410.5: 2,469,446
418: 2,469,733
448.2: 2,469,355
2,469,888
2,469,890
449.6: 2,469,755
455: 2,469,824
465.4: 2,469,836
465.5: 2,469,358
505: 2,469,376
2,469,377

260— 506: 2,469,378
520: 2,469,415
526: 2,469,701
578: 2,469,745
607: 2,470,077
608: 2,469,404
644: 2,469,396
653: 2,469,848
663: 2,469,702
677: 2,469,726
683.15: 2,469,725
683.3: 2,469,420
714: 2,469,529
750: 2,469,372
768: 2,469,819
261— 44: 2,470,014
262— 33: 2,469,523
263— 34: 2,469,562
267— 11: 2,469,662
47: 2,469,925
64: 2,469,912
270— 70: 2,470,072
271— 2.6: 2,469,915
39: 2,470,017
272— 36: 2,469,918
43: 2,469,498
273— 22: 2,469,652
33: 2,469,928
43: 2,469,886
49: 2,470,052
160: 2,469,364
277— 18: 2,470,025
60: 2,469,362
65: 2,469,719
278— 33: 2,469,514
279— 2: 2,469,873
3: 2,469,817
99: 2,469,821
110: 2,469,630
280—11.13: 2,469,798

280—11.35: 2,469,478
11.37: 2,469,604
18: 2,469,765
33.4: 2,469,506
36: 2,469,475
41: 2,470,040
44: 2,469,838
47: 2,469,909
49: 2,470,054
97.01: 2,470,061
104.5: 2,469,506
145: 2,469,760
211: 2,469,359
281— 15: 2,469,762
285— 1: 2,469,538
47: 2,469,938
49: 2,469,991
97.1: 2,469,568
161: 2,469,516
167: 2,469,851
287—52.08: 2,469,570
53: 2,469,705
103: 2,469,495
291— 29: 2,469,980
292— 2: 2,469,610
75: 2,469,464
76: 2,469,893
124: 2,469,430
202: 2,469,601
240: 2,469,551
293— 64: 2,469,816
294— 83: 2,469,574
104: 2,469,865
296— 105: 2,469,958
299— 141: 2,469,534
150: 2,469,642
301— 5: 2,469,997
32: 2,469,629
303— 53: 2,470,041
304— 18: 2,469,716

308— 15: 2,469,711
36.1: 2,469,515
2,469,734
174: 2,469,677
180: 2,469,676
2,470,071
184: 2,469,483
309— 45: 2,469,959
311— 3: 2,470,011
12: 2,469,968
21: 2,469,657
314— 41: 2,469,790
315— 5: 2,469,964
24: 2,469,895
30: 2,470,048
205: 2,469,913
260: 2,469,357
318— 18: 2,469,786
28: 2,469,744
145: 2,469,899
225: 2,469,440
271: 2,469,862
277: 2,469,594
322— 50: 2,469,662
332— 14: 2,470,027
2,470,028
18: 2,469,837
38: 2,469,606
2,469,803
2,470,003
56: 2,470,023
63: 2,469,747
343— 13: 2,469,875
117: 2,469,970
346— 74: 2,469,940

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Des. 153,662: D48–24
Des. 153,733: D48–24
Re. 23,109: 137—69
2,469,350: 89—1.7
2,469,357: 315—260
2,469,387: 33—70
2,469,408: 117—161
2,469,428: 8—94.33
2,469,440: 318—225
2,469,451: 248—220.5
2,469,461: 250—83.6
2,469,462: 250—83.6
2,469,472: 260—79.3
2,469,494: 211—172

2,469,495: 287—103
2,469,516: 285—161
2,469,521: 99—171
2,469,529: 260—714
2,469,567: 259—108
2,469,582: 263—34
2,469,571: 33—215
2,469,579: 97—53
2,469,592: 70—174
2,469,594: 318—277
2,469,598: 179—171
2,469,630: 279—110
2,469,633: 154—1
2,469,649: 259—135

2,469,657: 311—21
2,469,664: 250—217
2,469,670: 254—134
2,469,689: 204—15
2,469,695: 260—397.7
2,469,696: 260—89.7
2,469,698: 248—165
2,469,712: 230—25
2,469,714: 230—25
2,469,737: 44—62
2,469,739: 123—46
2,469,746: 222—479
2,469,747: 332—53
2,469,773: 181—32

2,469,780: 116—124
2,469,781: 88—24
2,469,788: 260—63
2,469,790: 314—41
2,469,793: 2—33
2,469,796: 101—207
2,469,799: 74—751
2,469,802: 210—148
2,469,812: 214—115
2,469,827: 260—83.3
2,469,833: 260—83.5
2,469,837: 332—16
2,469,843: 179—171
2,469,845: 260—80.7

2,469,846: 103—103
2,469,852: 250—214
2,469,856: 220—8
2,469,859: 248—106
2,469,866: 248—117.1
2,469,868: 260—270
2,469,869: 260—270
2,469,885: 126—151
2,469,894: 260—2.5
2,469,913: 315—206
2,469,918: 272—36
2,469,926: 33—165
2,469,938: 285—47
2,469,964: 315—5

2,469,978: 242—85
2,469,981: 248—280
2,469,998: 230—172
2,470,001: 260—41
2,470,023: 332—56
2,470,042: 117—76
2,470,048: 315—30
2,470,064: 139—217
2,470,065: 260—83.7

Classification of Designs

D 3— 4: Des. 153,662
D 7— 7: Des. 153,723
Des. 153,724
Des. 153,725
Des. 153,726
Des. 153,727
Des. 153,728
Des. 153,729
Des. 153,731
D14— 3: Des. 153,673
Des. 153,744
6: Des. 153,667
D15— 1: Des. 153,672
Des. 153,735
D17—14: Des. 153,677

D22— 2: Des. 153,722
D26— 1: Des. 153,678
13: Des. 153,730
D31— 4: Des. 153,676
D33—14: Des. 153,738
Des. 153,739
Des. 153,743
19: Des. 153,710
D34— 3: Des. 153,707
Des. 153,708
Des. 153,709
D37— 1: Des. 153,706
D44—24: Des. 153,683
29: Des. 153,670
Des. 153,671

D44—29: Des. 153,674
Des. 153,690
Des. 153,742
D45— 4: Des. 153,657
9: Des. 153,681
Des. 153,694
Des. 153,695
19: Des. 153,691
Des. 153,692
Des. 153,693
Des. 153,696
Des. 153,697
Des. 153,698
Des. 153,699
Des. 153,700

D45—19: Des. 153,701
Des. 153,702
D48—20: Des. 153,689
23: Des. 153,665
24: Des. 153,682
Des. 153,733
D49— 1: Des. 153,680
Des. 153,712
D52— 2: Des. 153,737
D54— 1: Des. 153,732
12: Des. 153,663
Des. 153,664
Des. 153,684
Des. 153,711
Des. 153,740

D54—12: Des. 153,741
13: Des. 153,736
D56— 4: Des. 153,675
D59—10: Des. 153,666
D62— 2: Des. 153,685
D71— 1: Des. 153,704
Des. 153,705
D73— 1: Des. 153,734
D74—17: Des. 153,679
Des. 153,713
D80— 9: Des. 153,686
D85— 2: Des. 153,687
Des. 153,714
Des. 153,715
Des. 153,716

D86—10: Des. 153,668
D87— 2: Des. 153,669
3: Des. 153,703
5: Des. 153,658
Des. 153,659
Des. 153,660
Des. 153,661
Des. 153,688
D92— 1: Des. 153,717
Des. 153,718
Des. 153,719
Des. 153,720
Des. 153,721

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U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

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Contents

	Page
Issue of May 17, 1949	622
Patents Expiring	622
Applications Under Examination	623
Decisions of the U. S. Courts	
In re Asseff	625
Adam et al. v. Roth	628
In re Ashbaugh	630
Carlton v. Robie	632
In re Custer	633
In re Dove	636
Patent Suits	638
Trade-Mark Suits	639
Notices	
Adverse Decisions in Interferences	639
Cancellation Notice	639
Erratum	640
Disclaimers	640
Classification Order No. 50	640
Register of Patents Available for Licensing or Sale	649
Trade-Marks	
Published (345 Applications)	653
Registrations Granted	697
Registrations Renewed	708
Registrations Canceled	710
Registrations Republished (283 Registrations)	711
Plant Patents	745
Patents Granted	746
Designs	916

May 17, 1949

Trade-Marks	21—No.	442,696 to No.	442,716, inclusive
T. M. (Act of 1946)	196—No.	509,812 to No.	510,007, inclusive
T. M. Renewals	71		
Plant Patents	2—No.	836 to No.	837, inclusive
Patents	666—No.	2,470,083 to No.	2,470,748, inclusive
Designs	95—No.	153,745 to No.	153,839, inclusive
Total	1,051		

Patents expiring: Patent Numbers 1,858,233 to 1,859,273, inclusive, issued May 17, 1932, expire May 17, 1949

Condition of Applications Under Examination at Close of Business April 29, 1949

Total number of patent applications awaiting action, 147,599. Date of oldest new application, June 3, 1947; date of oldest amended application, October 5, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandy; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	12-18-47	7-26-47	2910
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying Presses; Tobacco; Textile Wringers	9-16-47	4-26-47	2749
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	9-10-48	9-3-48	965
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Mining, Quarrying, and Ice Harvesting.	11-5-47	7-5-47	3235
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	3-15-48	7-25-47	1467
6. SURLE, H., Carbon Chemistry (part)	4-28-48	5-6-48	1864
7. HANLIN, GEORGE, Optics; Photographic Apparatus	8-2-48	5-13-48	1516
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	7-21-47	5-14-47	4611
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	1-14-48	6-26-47	2158
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	7-10-48	6-17-48	1577
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	4-27-48	8-5-47	1944
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	8-3-48	6-23-47	1891
13. BEALL, T. E., Gear Cutting, Milling; Planing, Metal Working (part); Needle and Pin Making; Turning	7-22-47	8-18-47	2130
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	7-7-48	4-20-48	1282
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	8-6-48	12-3-47	1733
16. LOVEWELL, N. N., Television; Telephony	8-3-48	12-19-47	1593
17. LEIGHEY, R. A., (Acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	11-5-47	1-4-47	2250
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	4-6-48	8-7-47	2098
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	6-2-48	9-2-47	1682
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	2-13-48	8-28-47	1980
21. MADER, R. C., Textiles	3 20-48	2-3-48	1317
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	6-7-48	8-6-47	1540
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-23-48	7-15-47	1125
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers, Sewing Machines	4-5-48	4-8-48	2362
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	7-31-48	12-4-47	1622
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	5-10-48	1-30-48	1060
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	11-12-47	5-15-47	3243
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horse-power Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	10-2-47	5-26-47	1765
29. HABECKER, LEONE B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	8-9-47	8-19-47	3216
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	9-2-48	9-1-48	698
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	8-31-48	8-31-48	1958
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	9-22-47	7-24-47	1865
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	8-6-47	7-30-47	3667
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	4-20-48	1-2-48	1270
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	11-25-47	3-3-47	3567
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	7-15-47	6-5-47	2000
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	8-3-48	1-12-48	1337
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	4-20-48	4-6-48	1664
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	7-21-48	2-21-47	3035
40. DRUMMOND, E. J., Receptacles (part); Packages	7-8-48	8-5-47	3173
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	6-7-48	3-19-47	2303
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	9-25-48	9-14-48	977
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	8-26-48	5-3 48	1142
44. HARVEY, L. P., Refrigeration	2-24-48	4-26-47	973
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-10-48	8-4-47	2462
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	2-26-48	5-16-47	1625

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 147,599. Date of oldest new application, June 3, 1947; date of oldest amended application, October 5, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	8-2-48	2-16-48	2013
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	8-10-48	10-22-47	1479
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	11-1-47	9-4-47	2328
50. LEVIN, SAMUEL, Synthetic Resins	9-10-48	6-5-48	1874
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	8-3-48	5-21-48	1425
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	4-10-48	7-5-47	3622
53. BRINDISI, M.V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	2-25-48	3-18-47	2217
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	8-9-48	9-12-47	1406
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	8-4-48	2-2-48	1718
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	5-26-48	5-3-48	1933
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	1-27-48	5-3-47	3408
58. DOWELL, E. F., Abrading Processes and Apparatus, Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	6-25-47	7-19-47	1708
59. SHEPARD, P. W., Inorganic Chemistry; Fertilers; Gas, Heating and Illuminating; Preserving	5-1-48	11-25-47	1528
60. OLASS, R. L., Electricity—Heating, Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	7-23-48	4-22-48	1091
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	6-3-47	12-19-46	3669
62. LOWE, D. B., (Acting), Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors.	7-3-48	4-14-48	1490
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	4-17-48	12-17-47	2092
64. NASH, P. M., Compositions—Coating of Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	10-1-48	9-24-48	1767
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	7-7-48	2-27-48	2269
66. LISANN, I., Geometrical Instruments	3-2-48	10-5-46	1947
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	7-29-48	11-6-47	1871
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	9-9-48	6-8-48	1443
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	1-16-48	8-7-47	2161
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. O., (Electrical Arts); SPECK, J. R., (Chemical Arts).	4-13-48	2-10-48	1007
DESIGNS: BREHM, G. L.	7-29-47	10-26-48	6879

Total number of trade-mark applications awaiting action (including renewals and republications), 31,712. Date of oldest new application, Feb. 5, 1948; date of oldest amended application, May 10, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	3-23-48	9-13-48	4249
2. KASCHUB, H. E., Classes 2, 36, 46	2-10-48	8-2-48	5164
3. SUMMERS, G. S., Classes 21, 23, 26	3-5-48	10-9-48	4472
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	2-5-48	8-28-48	4241
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	3-19-48	8-4-48	3817
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	3-20-48	7-24-48	3873
7. KEYS, O. M., Classes 16, 19, 55	3-4-48	5-10-48	2125
8. OEDIMAN, H. W., {Renewals / Republications} All Classes	3-7-49	3-25-49	181
	8-25-48	3-8-49	3500

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE ASSERT

No. 5521. Decided March 1, 1949

[— F.2d —; 81 USPQ 112]

1. PATENTABILITY—PATENT AND APPLICATION—COMBINING PATENTED CLAIMS WITH PRIOR ART.

Where appellant's patent is limited to one species and the copending later filed application contains claims which are broader than the patent claims and claims which differ as to species from the patent claims, *Held* that it is proper to hold the claims of the later filed application unpatentable in view of the prior art and of the claims of appellant's issued patent.

2. SAME — PARTICULAR SUBJECT MATTER — LUBRICATING COMPOSITION.

Certain claims to a lubricating composition *Held* properly rejected on the claims of appellant's patent in view of the prior art.

APPEAL from the Patent Office. Serial No. 416,608.

AFFIRMED.

Oberlin & Limbach (*Oscar C. Limbach* of counsel) for Asseff.

W. W. Cochran (*H. S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *C. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims numbered 1, 2, 3, 4, 6, 14, 15, 16, and 21 of appellant's application for patent broadly entitled "Lubricating Composition." No claim was allowed.

The application, which was filed October 25, 1941, recites that it "is a continuation in part of my copending application Serial No. 404,361, filed July 28, 1941," and it appears that that application matured into Patent 2,261,047 (one of the references cited here) issued October 28, 1941—three days after the instant application was filed.

The subject matter of the claims which are involved is stated in the brief for appellant to be a "lubricating composition which contains a major amount of a hydrocarbon oil such as a mineral lubricating oil and a minor amount of a material which we shall refer to for convenience hereinafter as the *addition agent*." [Italics quoted.] The brief of the Solicitor for the Patent Office concurs with that statement and adds, "The addition agent may be a stable oil-soluble compound which contains an organic radical derived from a cyclic alcohol and at least three other elements which are identified in claim 21 as being either zinc or cadmium, arsenic or phosphorus and sulphur or selenium."

Claims 1 to 4, inclusive, and 21 are generic. We here quote claims 1 and 21, the latter seemingly being the broadest of the several claims, as is stated in the brief for appellant:

1. A lubricating composition comprising a major amount of a hydrocarbon oil and a minor amount of a compound produced by preparing the zinc salt of an acidic reaction product obtained by reacting a compound of the class consisting of the sulphides and selenides of phosphorus with a cycloaliphatic alcohol.

21. A lubricating composition comprising a major amount of a hydrocarbon oil and a minor amount of a stable oil-solnble compound which contains:

(a) an organic radicle derived from a cyclic alcohol;
(b) an element of the class consisting of zinc and cadmium;
(c) an element of the class consisting of arsenic and phosphorus; and
(d) an element of the class consisting of sulphur and selenium.

By reference, claims 2, 3, and 4 are made dependent on claim 1. Claim 2 recites that the alcohol named in claim 1 "is an alkylated cycloaliphatic alcohol"; claim 3 that "the alcohol contains the cyclohexane nucleus"; and claim 4 that "the alcohol is an alkylated cyclohexanol."

Claim 6 is illustrative of the species group of claims. It reads:

6. A lubricating composition comprising a major amount of a hydrocarbon oil and a minor amount of the zinc salt of an acidic reaction product obtained by reacting phosphorus trisulphide with a cycloaliphatic alcohol.

Claim 14 names "an alkylated cyclohexanol" instead of "a cycloaliphatic alcohol" named in claim 6 and recites that substantially all of the alkyl groups in such cyclohexanol "have less than six carbon atoms." Claim 15 recites "less than four carbon atoms." Claim 16 defines reacting the phosphorus trisulphide "with a methyl-cyclohexnnol."

All of the claims before us were rejected below as lacking invention over cited art, and claim 21 was additionally rejected upon the ground of indefiniteness.

In addition to appellant's Patent 2,261,047, hereinbefore referred to, there were cited two other patents; viz: Sullivan, 2,174,019, September 26, 1939; Prutton, 2,242,260, May 20, 1941.

Of the Sullivan patent, which is for a lubricant, the Board said:

Sullivan has been cited to illustrate close relationship between sulphur and selenium. On page 2, column 1, lines 47–48, triphenyl phosphine sulphide and triphenyl phosphine selenide are listed as alternatives for use in a formula, and in the examples there listed they are alternatives, along with oxygen, as corrosion inhibitors.

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Attention may be directed at this point to the recital in claim 1, supra, to the effect that sulphides and selenides are named as ingredients of the compound to be reacted with cycloaliphatic alcohol for producing the acidic reaction product used in preparing the minor element of zinc salt. By this, and from the specification, we understand appellant to teach, as the patent to Sullivan teaches, that sulphur and selenium are equivalents as used in the art of producing lubricants. We note that appellant's specification recites:

> In the past, it has not been found possible to compound addition agents which would reduce corrosive tendencies, and the tendency to produce acidic materials during oxidation, without increasing the tendency to form deleterious deposits. By the use of the addition agents of this invention, however, the corrosive tendency and the formation of acidic materials are reduced while, at the same time, reducing the tendency to form harmful deposits.

The Prutton patent is also for a lubricating composition one of the elements of which is an agent added to mineral lubricating oil. The addition agent in the patent specification is stated to be "of the type produced by reacting an organic composition with certain reagents which contain either separately in combined or elemental form, or in combination, phosphorus and sulphur. The addition agent thus produced may, in most cases, be described as an organic composition containing both the elements, phosphorus and sulphur." Several kinds of alcohol are named as specific examples of oxygen-bearing compounds, which compounds, as we understand it, constitute the base composition of the addition agent. There also are listed numerous reagents among which, under the heading "C. Phosphorus and sulphur compounds," are found "Phosphorus trisulphide—P_4S_6 (or P_2S_3)" and "Phosphorus pentasulphide—P_2S_5 (or P_4S_{10})." Under the heading "D. Reagents containing elements equivalent to phosphorus and/or sulphur. 1. Compounds of phosphorus and equivalents of sulphur, e. g. Se, for example" are found "P_2Se_3" and "P_2Se_5."

So, in the Prutton specification we find the specific teaching of the use of both phosphorus trisulphide and phosphorus pentasulphide. Also we find there the teaching of the equivalency of sulphur and selenium, as used in the art under consideration.

It is noted that the terms "phosphorus trisulphide" and "phosphorus selenium" are not used in the claims of the Prutton patent, nor are the formulae used, but it is supposed that the chemical terms which are used cover them. In any event, the teaching of the specification is a part of the prior art independent of the claims.

Appellant's patent does not contain claims as broad as appealed claims 1, 2, 3, 4, and 21; and claims 6, 14, 15, and 16 differ as to species from the patent claims. In each of the patent claims (except number 6 which has no bearing upon the issues here involved) "phosphorus pentasulphide" is designated as the element with which other elements are reacted to produce the zinc product named in the claims, while in appealed claims 6, 14, 15, and 16 here involved "phosphorus trisulphide" is so designated. Another difference is that in the patent only sulphur, or sulphide of phosphorus, is named; while claims 1, 2, 3, 4, and 21 name selenium, or selenides. Still another difference found as to claim 21 is that it names zinc and cadmium, while the patent names only zinc. Cadmium is not named in any of the other claims.

[1] The brief on behalf of appellant declares that there are only three points of law which require our consideration and states them as follows:

> (a) Are the present claims properly rejected as unpatentable over Asseff's prior patent on the ground of double patenting;
> (b) May Asseff's prior patent be combined with the Prutton and Sullivan patents in spelling out an anticipation of any of the claims on appeal; and
> (c) Is claim 21 definite and in compliance with R. S. 4888?

It seems to us most logical to consider the second point first, taking up first the generic claims.

Specifically those claims (1, 2, 3, 4, and 21) were rejected (the latter primarily) on applicant's patent because the broadening of the claims of that patent to include selenides as well as sulphides was regarded as obvious to those skilled in the art and as disclosing nothing patentable over the patent in the light of the teaching of the equivalency of sulphur and selenium as taught by either Sullivan or Prutton.

It is pointed out by the Solicitor for the Patent Office that this court long ago in the case of *In re Slepion*, 18 CCPA (Patents) 1393, 49 F.2d 835, 9 USPQ 307, 412 O. G. 288, (wherein we cited authorities, including the decision in the case of *In re Ishericood*, 46 App. D. C. 507, 1917 C. D. 226, 245 O. G. 847, cited by the Primary Examiner in the instant case) held that an applicant is not entitled to claims for a second form of his invention unless such claims involve an inventive difference over the claim embraced in his patent for the first form.

In the case of *In re Borge*, 25 CCPA (Patents) 1058, 96 F.2d 314, 37 USPQ 546, 496 O. G. 270, we held it to be settled law that in cases such as this "it is proper to hold the claims of a later filed application unpatentable *in view of the prior art and of the claims of the applicant's issued patent*." [Italics new here.]

We there cited *In re Ishericood*, supra; *In re Swon*, 18 CCPA (Patents) 935, 46 F.2d 572, 407 O. G. 295; and *In re Slepion*, supra.

There is, in our opinion, a strong analogy between the instant case and that of *In re Lincoln et al.*, 31 CCPA (Patents) 1222, 143 F.2d 965, 62 USPQ 288, 568 O. G. 382. In that case the application taught the use of a relatively pure olefin treated with a sulphur compound as an addition agent for a lubricant, certain of the claims specifically naming particular sulphur compounds. All the claims were rejected by the tribunals of the Patent Office upon a prior patent to the applicants in view of the disclosures in patents to others. In affirming the decision of the Board, we said, inter alia:

> • • • the use of sulphur compounds was clearly suggested by the prior art cited and relied upon, and it would not be inventive over what appellants already had been granted in the way of a patent to add to their process of making the lubricants, a material which was old in the art and which, after all, supplied the sulphur need, the importance of which was taught in appellants' patent.

It was urged, in substance, on behalf of appellant before the tribunals of the Patent Office, and it is urged before us, that at the time appellant filed his application which eventuated in his patent his experiments and tests had not extended beyond the use of sulphur, or sulphides, and so he was not then in position to allege and claim selenium, or selenides, and it is insisted (numerous decisions being cited and discussed) that appellant is entitled now to receive the protection afforded by generic claims. Of this the Examiner said:

> Assuming that at the time the parent application was filed applicant had explored only the sulfur compounds and that subsequent investigation, upon which the present application is seemingly based, included the selenium compounds, it is strange that none of the test data secured in connection with the latter type of compounds was incorporated in the present specification. The test data appearing in Tables A to E, pages 12 to 16 is all based on results obtained with the zinc salt of the reaction product of alkylated cyclohexanols with P_2S_5, to which subject matter the claims of applicant's patent are directed. The expansion of the patent disclosure to include selenium derivatives is regarded as an obvious one such as would be apparent to one skilled in the art and fails to represent a patentable advance. See *In re Wietzel et al.*, 1930 C. D. 937; 400 O. G. 463 [17 CCPA (Patents) 1079].

Pertinent also is the following comment of the Board of Appeals:

> Appellant relies upon a number of decisions in support of the proposition that where a species or improvement patent is granted, it is proper to allow in a copending case generic claims covering the patented invention, citing, among others, the Lippert decision, 40 USPQ 579 [a decision rendered January 25, 1939, by Examiners in Chief of the Patent Office], wherein a patent was granted on a species of the invention and generic claims were sought in a copending application directed to a different species. The Board of Appeals held that in a case of this kind involving two species, the generic claims may appear in either application in the event they are inserted in the application last to issue before the issuance of the first case. The Examiner cites Appeal No. 3,056, Vol. 28 J. P. O. S., page 452, June 1946 [not elsewhere reported], which differentiates from the facts in *Ex parte Lippert* by pointing out the fact that in the Lippert decision the patent was for an improvement over the subject matter of the generic case under consideration, whereas in the set of facts presented in Appeal No. 3,056 the instant application was admitted to be a continuation in part of the patent for the improvement. Reference was made to *Ex parte Lilienfeld*, 22 J. P. O. S. 307–308, wherein a Markush claim excluded from its membership compounds covered in applicant's earlier patents, such Markush claim being held proper so long as no included member was found in prior art. Accordingly, it was held in Appeal No. 3,056 that in a case of this type, involving an amplified chemical disclosure embodied in a later filed copending application, asserting claims which include earlier patented species, and where it is possible to claim a new species or a Markush group limited to exclude the patent species, it is not permissible to allow in the later filed case a claim which would extend the monopoly of the patented species.
>
> We find that this application is a continuation in part of appellant's copending Patent No. 2,261,047 and that the situation here closely corresponds to that presented in Appeal No. 3,056. We are of the opinion that the same principle governs and that generic claims 1 to 4 and 21 were properly rejected as being unpatentable over the claims of Patent 2,261,047.

With respect to the presence of cadmium in claim 21, a matter not referred to by the Board, the Examiner, in a letter of June 11, 1945, responding to an affidavit of appellant filed after the appeal to the Board had been taken, said:

> • • • Applicant points out that the present application discloses both zinc and cadmium salts whereas the parent application is limited to zinc salts. However, only claim 21 is generic to both zinc and cadmium salts and no evidence is of record that cadmium salts produce a result different in kind from that obtained with the zinc salts. The fact that applicant prepared the cadmium salts prior to the filing of the present application in accordance with the procedure related in Example A is immaterial. The affidavit states that the cadmium salt was soluble in mineral oil but no test data is given.

In rejecting claims 6, 14, 15, and 16 which cover a species wherein only phosphorus trisulphide (P_2S_3) was named as the reacting sulphur compound, the Examiner expressed the opinion that it had not been shown "that P_2S_3 produces a result patentably distinct from that obtained with P_2S_5." Also he rejected them upon the disclosure of the Prutton patent hereinbefore detailed. The Board approved the rejection, saying as to the first ground stated:

> Appellant presented an affidavit tending to show improved results with the use of the reagent containing the trisulphide over that obtainable with a reagent containing the pentasulfide, in that it was effective in forming a positive film for protection of the bearing. However, this evidence was discounted by the Examiner on the ground that the comparison was based upon the use of acidic reaction products rather than upon the zinc salts of such products, which is the subject matter of the claims.

We are not convinced that there was any error as to the ground so discussed, but elaboration of it is deemed unnecessary in view of what we regard as a proper rejection upon the disclosure of the Prutton patent.

Appellant's second question of law quoted, supra, is answered in the affirmative.

Turning to question (c), supra, which inquires whether the appealed claims are properly rejectable over Asseff's prior patent on the ground of double patenting, it seems proper to say, first, that it is not clear to us that the rejection below was based solely upon double patenting, although there is one paragraph in the decision of the Board which indicates that it may have deemed the generic group (1 to 4 and 21) to have been properly rejected by the Examiner as being unpatentable over the claims of appellant's patent alone. As to both groups of the appealed claims, however, the Examiner's rejection is based upon appellant's patent in view of other cited art—the Sullivan and Prutton patents in the case of claims 1, 2, 3, 4, and 21 and the Prutton patent only in the case of claims 6, 14, 15, and 16. As we view the case, it was unnecessary to its decision to pass specifically upon the question of double patenting, because it is clear to us that, under the authorities hereinbefore cited, none of the appealed claims is patentable over appellant's own patent in view of the prior art relied upon.

For the reasons stated by the Examiner hereinabove recited it is not thought that the inclusion of cadmium in claim 21 adds anything to the patentability of that claim. In view of our conclusion upon the basis of questions so far discussed, it is unnecessary to pass upon the Examiner's rejection of that claim on the ground of indefiniteness.

An interesting portion of the brief filed on behalf of appellant relates to the right of an applicant who has received a patent for certain species claims to obtain a second patent containing generic claims and claims for another species upon a copending application. Numerous authorities are cited and discussed, among them being the decision by Judge Learned Hand in the well-known case of *Traitel*

Marble Co. v. *U. T. Hungerford Brass & Copper Co.*, 22 F.2d 259, in which there are citations of many decisions including that in the case of *Thomson-Houston Electric Co.* v. *The Ohio Brass Co.*, 80 Fed. 712 (which is often referred to in the patent practice), the opinion being by Judge Wm. H. Taft (later Chief Justice) while he was a United States Judge of the Circuit Court of Appeals for the Sixth Circuit.

In both these cases the courts followed the decision of the Supreme Court in the case of *Miller* v. *Eagle Manufacturing Co.*, 151 U. S. 186, 66 O. G. 845, wherein it was held, in effect, that where two applications of a party are copending it is a matter of indifference which of the patents issued first, provided that the claims are for separate inventions. One of the headnotes of the Miller case, supra, reads:

> A second patent may be granted to an inventor for an improvement on the invention protected by the first, *but this can be done only when the new invention is distinct from, and independent of, the former one.* [Italics supplied.]

If the generic claims here on appeal presented matter patentable over the patent claims of appellant when viewed in connection with the other patents cited as references, the fact that they are embraced in a second application, which is a continuation-in-part of the first application, would not militate against their allowance, the respective applications having been copending, but unhappily for appellant we are unable to agree that such patentability exists.

Also, if the species claims here involved presented matter patentable over the species claims of appellant's patent in view of the Prutton patent, they might be allowable, but here again we are not convinced that such situation exists.

For the reasons indicated the decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

ADAM ET AL. *v.* ROTH

No. 5585. Decided March 1, 1949

[— F.2d —; — USPQ —]

1. INTERFERENCE—REDUCTION TO PRACTICE—CORROBORATION.

No rule of patent law is more firmly established than that which holds that an applicant, however truthful he may be deemed to be by the tribunals of the Patent Office and by the courts, cannot establish reduction to practice by his testimony alone.

2. SAME—SAME—TESTS.

Where appellants contend that the involved invention is of such a simple nature that the mere construction of a device embodying it constitutes its completion and that tests are not needed to meet the requirement of reduction to practice, but it appears that the first device made by appellants so failed to meet the requirements of successful use that it was abandoned, *Held* that of itself would indicate that the second device required full testing.

3. SAME—PRIORITY—ALBUM FOR RECORD DISKS.

Held that the decision of the Board of Interference Examiners awarding priority of the single count relating to albums for holding phonograph record disks, to appellee, is affirmed.

APPEAL from the Patent Office. Interference No. 81,336.

AFFIRMED.

Thomas A. Banning, Jr., for Adam et al.

Roberts B. Larson for Roth.

GARRETT, *C. J.*:

This is an appeal from the decision of the Board of Interference Examiners of the United States Patent Office awarding priority to the party Roth in an interference proceeding involving a single count which relates to albums for holding phonograph record disks. The count reads:

> In an album for record discs centrally apertured to receive the centering post of the turntable of a phonograph, a back cover, a front cover, a retaining post issuing from said back cover and adapted to be received in the central aperture of each of the several record discs of a stack and keep them disposed relative to each other with their central aperture in register, and latch means on the front cover for cooperation with said retaining post releasably to latch the covers together and to hold such record discs strung on said retaining post between said covers.

In view of the issues involved no extraneous explanation or analysis of the count is necessary.

Roth is the senior party, his application having been filed November 11, 1942. That of Adam and Adam, hereinafter usually referred to as appellants, was filed some ten months later on September 15, 1943.

Both the respective parties took testimony but the Board did not consider the evidence presented on behalf of Roth, because it found the evidence on behalf of appellants insufficient to establish a reduction of the invention to practice prior to the filing date of Roth and insufficient also to establish diligence on the part of appellants during the critical period.

The interference was declared February 3, 1944.

It appears that the son, Folger Adam, Jr., was in the military service and received wounds, during the engagement at the Marshall Islands, about February 12, 1944, from which he died on February 23, 1944, prior to the filing of preliminary statement. The statement, apparently filed March 13, 1944, was made by the father on behalf of himself and son. It alleged conception, the making of a drawing and disclosure to others on or about September 1, 1941, and the completion and successful use of a full sized device (which, it was claimed, "constituted a complete reduction to practice") during March 1942. Diligence was alleged also "at all times since the original conception."

The witnesses called and examined on behalf of appellants were the senior Mr. Adam; his wife, Mrs. Hazel C. Adam; a daughter, Mrs. Marjorie A. Fisher, who was living in the home of her parents during 1941 and up to July 1, 1942; and Mr. Herbert P. Stutz, who was in the employ of Folger Adam Company, a manufacturer of prison locks, as machinist foreman, in 1941 and 1942 and at the time of testifying in November 1945. He then testified that he was 26 years old; that he had been connected with the Adam Company for 15 years, and that "every once in a while" Mr. Adam had him "make different things for him"—that is, special things other than prison locks. The record of appellants contains also certain exhibits which were introduced in evidence. Exhibit 2 is stated to be the album completed in March 1942.

As we understand the Board's decision, it awarded appellants conception as early as in September 1941, the time claimed in the preliminary statement, and also "in the early part of 1942." It stated:

> The testimony of Adam Sr., as corroborated by Stutz is deemed to establish that an album was constructed according to the drawing, Adam Ex. 1 in September of 1941 and that another album, Adam Exhibit 2 was constructed in the early part of 1942.

The Board held, however, that there was no reduction to practice of the appellants' device prior to the filing date of Roth, saying:

> It appears from the testimony that the first album underwent a number of changes because of difficulty in gluing the stud washer to the inside face of the album cover and eventually it was discarded and Exhibit 2 built. Thus, even though it was alleged to have been used to carry records, it is not believed that its practicability was sufficiently demonstrated to amount to a reduction to practice.

The Board quoted literally all the pertinent testimony of Mr. Stutz, Mrs. Adam, and Mrs. Fisher, who were the only persons called as corroborating witnesses on the matter of the use of the albums—i. e., reduction to practice. We shall follow the Board's example in this respect to some extent, but before quoting their testimony we reproduce such of the testimony of Mr. Adam, Sr., as is pertinent upon the question of actual use of the albums for holding records:

> Q. Then what did you do, if anything, with this record album, Exhibit Number Two, after you had put the fixture in the front cover, as you have just explained?
> A. We took the sample in to my patent attorney, Mr. Thomas A. Banning, in Chicago, and instructed him to apply for a patent.
> Q. No; but I mean, after you had made up the sample, did you ever make any use of it in your home, prior to that time?
> A. Yes, sir, we tested it, to see that it was a practical method of handling records; protecting them.
> Q. When did you do that?
> A. As soon as it was completed.
> Q. That would be about when?
> A. That would be in March, 1942.
> Q. Did you set any records on that stud and close up the album on it?
> A. Oh, yes, we had done that on the first sample we built, in September, 1941.
> Q. What was the result of the test that you made on this Exhibit Number Two, in March of 1942?
> A. It was perfectly satisfactory. The only point that my son and I disagreed on and argued about was that of the thread, and the amount of rotation necessary on the wing nut to effect the engagement.
> Q. What do you mean by disagreement or argument about this matter?
> A. Well, I felt that the engagement between the stud and the nut should be made with only a partial turn of the wing nut. My son thought it was unimportant how many times you turned it.
> Q. So that was simply a matter of degree of rotation, was it not?
> A. That is exactly true.
> Q. Did you use this particular record album, Exhibit Number Two, more than once to hold records as you have just explained?
> A. Yes, sir, we had records in it continually. In fact, when I delivered it to our patent attorney, it had two or three records in it. Perhaps he knows what became of them.
> Mr. Banning [counsel for appellants]: Objection. I will say this: They were not symphonies.

Elsewhere the witness testified as to loading the album made in September 1941 with records, but in view of the fact that that album was discarded and cannot, under the facts of this case, be considered upon the matter of reduction to practice that testimony need not be reproduced here. It might be of importance upon the question of conception if that were in question, but in the brief for Roth it is conceded, "for the purpose of this appeal," that "the invention embodied in the counts was conceived by Folger Adam Sr. and his son, Folger Adam Jr., about September 1, 1941." This, we may state, is prior to any date which could be awarded Roth for conception upon the record as it stands, Roth's earliest claim, in his preliminary statement, of the beginning of any activity being in October 1941.

If the testimony of Mr. Adam, Sr., upon the matter of using the album, Exhibit Number 2, were properly corroborated, even though it is somewhat meager of itself, it would seem that appellants should prevail, but unfortunately for them no such corroboration is found in the record.

The witness Stutz was able to corroborate him upon certain phases of the matter but the entire testimony of this witness relating to the use of the album for holding records is embraced in the following:

> Q. Did you ever see them [referring to the parts which he had made in conformity with a drawing produced by Mr. Adam, Sr.] being used with records on them after they were assembled into the album?
> A. I saw this once, I think, afterwards.
> Witness indicates Adam Exhibit Number Two.
> Q. Did you ever see any records in this album, Exhibit Number Two?
> A. I don't recall any records being in the album.

The following is from the testimony of Mrs. Adam:

> Q. A few minutes ago you referred to this album which is lying on the desk, marked Adam Exhibit Two. When is the first time that you recall having seen that, or anything similar to that?
> A. I think there was one before that that they were working on.
> Q. Did you see that?
> A. I am quite sure that I did. They worked on it, and probably worked it to pieces. I think they had to try two or three.
> Q. Do you remember about when it was that you saw that first one?
> A. I would say it was in the spring of 1941.
> Q. The spring of 1941. Well, anyway, was it before Folger Adam, Junior, went back to college in the fall of 1941?
> A. Yes, it was.
> Q. Have you ever seen this Exhibit Number Two, do you remember, before coming into this room today?
> A. Yes, sir.
> Q. When did you see it?
> A. Well, when they were working on it. I think that was in 1941.
> Q. Where was it that you saw the Exhibit Number Two?
> A. At home. That is the only place I have ever seen it: at 310 Sherman Street.
> Q. Did you notice at that time how it was built, or used, or worked?
> A. No, I did not.
> Q. You did not examine the details?
> A. No, I did not.
> Q. But you do remember that it looked like the exhibit which is on the table here?
> A. Yes, sir.
> Q. And do you remember whether or not you ever heard them pass any comments as to the workability of it, or whether it would work satisfactorily, or could be made to work satisfactorily, or anything of that sort?
> A. No. No, I do not.

The testimony of the daughter, Mrs. Fisher, like that of her mother, indicates that she had no familiarity with mechanical matters, and, as stated, in substance, by the Board was not able to explain the structure in a manner which showed that it was within the requirements of the count. We think it unnecessary to quote her testimony literally.

The inability of the witness to explain the structure would not be of any particular importance before us because of concessions made on the part of the party Roth, but the inability, or at least the failure, of any witness to corroborate Mr. Adam, Sr., upon the matter of use of Exhibit 2 for holding records is fatal to appellants' case so far as actual reduction to practice is concerned.

[1] No rule of patent law is more firmly established than that which holds that an applicant, however truthful he may be deemed to be by the tribunals of the Patent Office and by the courts, cannot establish reduction to practice by his testimony alone. As expressed by the Board in its decision here appealed from:

> * * * an applicant must be fully corroborated as to the successful testing of a device embodying all of the limitations of the count or counts in order to establish a reduction to practice * * *. Obviously witnesses who do not know the construction of the device being tested as in the present case cannot supply the essential corroboration. (*Castricone v. McCabe*, 520 O. G. 269, 1940 C. D. 536, 27 CCPA (Patents) 1198, [111 F.2d 653, 45 USPQ 426]; *George v. Kersel*, 518 O. G. 776, 1940 C. D. 401, 27 CCPA (Patents) 1063, [111 F.2d 148, 45 USPQ 151]; *Muessner et al. v. Hoschke et al.* [sic Miessner v. Hoschke] 545 O. G. 443, 1942 C. D. 103, 76 App. D. C. 343, [131 F.2d 865, 55 USPQ 221]).

[2] One of the contentions on behalf of appellants before us is that the involved invention is of such a simple nature that the mere construction of a device embodying it constitutes its completion and that tests are not needed to meet the requirement of reduction to practice.

We are unable to agree with this contention. The first device made by appellants, although conceded by appellee to have demonstrated conception of the idea, so failed to meet the requirements of successful use that it was abandoned. That of itself would indicate that the second device required full testing. It is somewhat rare to find a device or method or composition which meets the test of invention where no actual reduction to practice must be shown. We do not think the device here involved does so.

The question of diligence need not be dwelt upon, because it is perfectly clear that there was no activity by appellants during a time just prior to Roth's filing date, November 11, 1942, until their own filing date, September 15, 1943, which indicated the slightest diligence. The date when the matter was placed in the hands of appellants' attorney for the preparation of an application is not shown. No excuse for the delay in filing is offered other than statements by Mr. Adam, Sr., that he was engaged in war work.

[3] The decision of the Board of Interference Examiners is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE ASHBAUGH

No. 5535. Decided March 1, 1949

[— F.2d —; — USPQ —]

1. PATENTABILITY—PROCESS—FUNCTION OF APPARATUS.
   Where appellant's application nowhere contains a description of a method which is divorced from the mere operating of the machine which depends upon an elaborate hydraulically and electrically controlled means, *Held* that no error exists in rejecting method claims as reciting nothing more than the mode of operation of appellant's device.
2. SAME—SAME—SAME.
   Though mechanical operations may be covered by process claims, claims which recite the mere function of an apparatus have been consistently rejected by the tribunals of the Patent Office, which rejections have been affirmed by this court.
3. SAME—SAME—OPERATION BY OTHER MEANS.
   Where appellant contends that the involved process can be carried out by various devices, but the suggested modifications of appellant's apparatus are merely alternatives in parts of his device that do not change the essential character of that apparatus, *Held* that appellant has not shown that the method is capable of being performed by other apparatus or means different from his device.
4. SAME—PARTICULAR SUBJECT MATTER—PROCESS OF CONTINUOUS EXTRUSION MOLDING.
   Certain claims to a process of continuous extrusion molding of plastic material *Held* properly rejected as reciting nothing more than the mode of operation of appellant's device.

APPEAL from the Patent Office. Serial No. 495,553.

AFFIRMED.

Albert Grobstein for Ashbaugh.

W. W. Cochran (*Clarence W. Moore* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This appeal is from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner, rejecting method claims 15 to 20, inclusive, of an application for a patent for a method and apparatus for injection of plastics in a continuous strip. Eight apparatus claims were allowed.

The involved claims were rejected by the Primary Examiner as reciting nothing more than the mode of operation of appellant's device, and because in the opinion of the Examiner they do not recite a method of treating material, such as falls within the meaning of the statutes. The Board of Appeals affirmed the decision of the Examiner on the first ground of rejection and reversed it on the second ground.

Claim 15 is considered illustrative of the subject matter defined by the involved claims and reads as follows:

> 15. A process of continuous extrusion molding of plastic material by intermittent applications of pressure upon the plastic material to obtain a continuous extruded length that includes, applying a first source of relatively constant extrusion pressure upon a body of plastic material in an extrusion chamber to force the material therefrom, introducing a fresh charge of plastic material into a feeding chamber that communicates with the extrusion chamber while continuously maintaining the first extrusion pressure upon the body of the plastic material in the extrusion chamber to continue extrusion thereof, and applying a second source of relatively constant extrusion pressure of a value equal to the first source upon the fresh charge of plastic material to move the fresh charge into communication with the extrusion chamber while the first pressure is still applied upon the material to maintain constant pressure upon the body of plastic material in the extrusion chamber to cause continued extrusion therefrom and concomitant recharging of the extrusion chamber from the fresh charge of plastic material when the first source is recovering for another operation.

The invention relates to an injection apparatus particularly adapted for continuously ejecting plastic material from an injection cylinder so that continuous length strips are produced. A rather complex device is disclosed comprising a horizontal extrusion chamber on the forward end of which is an extrusion die. There are two reciprocal plungers motivated by hydraulic motors for applying pressure upon the plastic material in the extrusion chamber and extruding the material through the die. One of the plungers functions in a cylindrical feed channel which opens into the extrusion chamber at an angle of about 45 degrees with relation to the second plunger which is aligned in its annular channel with the extrusion chamber. A feed hopper into which the granular plastic is placed feeds the material into the channel of the first plunger when the bottom end of that plunger is so positioned that the mouth of the hopper is open. The channel through which the second horizontal plunger functions is a reciprocal sleeve which operates in a backward and forward movement by means of hydraulic motors. The sleeve when in a forward position completely cuts off the feed channel in which the first plunger operates, as the second plunger continues the pressure upon the extrusion chamber.

While the sleeve is in a closed position, the first plunger is retracted beyond the mouth of the feed hopper so that a fresh charge of the plastic material enters the feed channel. When the fresh charge has been delivered, the sleeve is retracted so as to open the mouth of the feed channel. The pressure on the plastic material throughout the extrusion chamber and die is constant by reason of the action of the plungers.

[1] The Examiner, in rejecting the method claims as reciting nothing more than the mode of operation of applicant's device, relied upon the case of *In re Ernst et al.*, 21 CCPA (Patents) 1235, 71 F.2d 169, 22 USPQ 28, 449 O. G. 507. The Board of Appeals held that the facts in the instant case appear to be quite similar to those in the case of *In re Ernst*, supra, and quoted from the holding therein as follows:

> Nowhere in appellants' specification is it pointed out how their process could be carried out except by means of apparatus for which they have been allowed claims, and we agree with the decision of the Board of Appeals wherein it is stated that "* * * it is not apparent how the alleged method could be performed independently of this specific apparatus or one having exactly equivalent corresponding elements."

We find no error in the decision of the Board.

A careful examination of the application shows that no method of any kind is expressed therein other than statements in the objects of the invention that it is to provide a method as well as an apparatus for extruding continuous length plastic articles or strips.

Counsel for appellant stresses in his brief that the objects of appellant's invention include both method and apparatus. It is quite true that in the application, as hereinbefore stated, method is mentioned, but we find nowhere therein a description of a method which is divorced from the mere operating of the machine which depends upon an elaborate hydraulically and electrically controlled means.

[2] It is not disputed, as stated in the brief for appellant, that mechanical operations may be covered by process claims. As pointed out in the brief of the Solicitor, that question has been well settled in the case of *Expanded Metal Company v. Bradford*, 214 U. S. 366. Furthermore, claims which recite the mere function of an apparatus have been consistently rejected by the tribunals of the Patent Office, which rejections have been affirmed by this court. Typical of such decisions are the cases of *In re Nichols*, 36 CCPA (Patents) —, — F.2d —, 80 USPQ 143, 602 O. G. 347; *In re Solakian et al.*, 33 CCPA (Patents) 1054, 155 F.2d 404, 69 USPQ 514, 590 O. G. 514; *In re Cornell*, 32 CCPA (Patents) 1161, 150 F.2d 569, 66 USPQ 230, 581, O. G. 512; *In re Mead*, 29 CCPA (Patents) 1001, 127 F.2d 302, 53 USPQ 380, 542 O. G. 390; *In re Wadman*, 25 CCPA (Patents) 936, 94 F.2d 993, 36 USPQ 542; *In re Francis H. Weeks*, 18 CCPA (Patents) 1234, 48 F.2d 662, 9 USPQ 166, 411 O. G. 7; and *In re Ernst et al.*, supra.

[3] In view of those cases, in order that appellant may prevail, it is necessary for him to show that the method described in the involved claims is capable of being performed by other apparatus or means different from that of his device.

Counsel for appellant contends that the involved process can be carried out by various devices. In support of that contention, he states that the pressure applied by the second plunger can be obtained by the application of hydraulic or pneumatic pressure upon the plunger or that such pressure could be directly applied to the plastic material in the cylinder wherein the plunger operates, thereby completely eliminating the plunger. In that event he reasons that the plastic material could be moved forward by direct application of such pressure through controlling the delivery of the material into the cylinder at a constant rate or volume. He also contends that the second plunger can be operated mechanically at a constant rate of forward motion using a common rack and gear mechanism or by means of a cam. He states that that plunger could be moved in a forward direction at a constant rate for applying pressure on the plastic material at the same rate by having one end of the plunger formed into a large screw and rotated within a cooperating internally threaded member so as to move the plunger forward at a constant rate. Counsel for

appellant further states that the first plunger through which the fresh charges of material are pressed into the injection chamber could be operated either pneumatically or hydraulically, and that such pressure could be applied directly upon the material in the cylinder through which the first plunger operates so as to maintain a constant pressure in the same manner as that accomplished by the plunger. It is also stated that the sleeve through which the second plunger functions could be entirely eliminated and a butterfly or gate type of valve could be placed in the lower end of the feeding cylinder and the plastic material could be fed into the hopper by means of a rotating screw rather than by gravity, as illustrated.

We see nothing in the suggested modification of appellant's apparatus that substantially changes the essential character of that apparatus. Counsel for appellant is suggesting merely alternatives in parts of his device.

[4] For the reasons stated herein, the decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

CARLTON *v.* ROBIE

No. 5490. Decided February 1, 1949

[— F.2d —; 81 USPQ 201]

1. INTERFERENCE—PRIORITY—BURDEN OF PROOF.
   Appellant being the junior party, upon him rests the burden of establishing priority of invention by a preponderance of the evidence.
2. SAME—REDUCTION TO PRACTICE—PRIOR APPLICATION.
   Held that appellee is entitled to the benefit of a prior joint application as his date of conception and constructive reduction to practice of the invention in issue.
3. SAME—PRIORITY—HEAT RESISTANT ABRASIVE ARTICLE.
   Held that the decision of the Board of Interference Examiners awarding priority of invention of the two counts in issue relating to a bonded heat-resistant abrasive article, to appellee, is affirmed.

APPEAL from the Patent Office. Interference No. 81,220.

AFFIRMED.

Harold J. Kinney (*Richard K. Stevens* and *Carpenter, Abbott, Coulter & Kinney* of counsel) for Carlton.

William H. Webb, Donald A. Gardiner, and *Stebbins, Blenko & Webb* for Robie.

JOHNSON, *J.*:

This is an appeal in an interference proceeding from a decision of the Board of Interference Examiners awarding priority of invention of the subject matter of two counts to appellee.

The interference involves the application of appellant, Serial No. 261,069, filed March 10, 1939, and the application of appellee, Serial No. 487,621, filed May 19, 1943.

Appellee also relies in this interference on two earlier, four-party applications filed jointly by him with Benner, Ball, and Rossow; namely, application No. 336,212, filed May 20, 1940, and application No. 137,796, filed April 19, 1937.

This interference is a companion of Interference No. 80,225, Patent Appeal Nos. 5485, 5486, decided concurrently herewith. Appellant is a party to the companion case, while the appellee is involved therein as one of the joint applicants.

In Interference No. 80,225, the common assignee of the applicants Robie and Ball on May 25, 1943, filed a motion seeking the declaration of an interference between the involved applications, and urged that appellee be given the benefit of the earlier applications, hereinbefore referred to, which were filed by appellee, Ball, Benner, and Rossow. The appellant urged that if such interference should be declared, appellee should not be given the benefit of said earlier applications. The Primary Examiner granted appellee's motion on September 18, 1943. Appellant requested a reconsideration of that decision by the Primary Examiner. The Primary Examiner adhered to his ruling therein in a further decision on November 10, 1943. Pursuant to said rulings, the present interference was declared, and appellee was given the benefit of the said earlier filed applications.

The subject matter here in issue is defined in the two counts which compose the issue:

1. A bonded heat-resistant abrasive article of the coated abrasive type comprising abrasive particles bonded to a flexible backing by a binder comprising a uniform mixture of casein and a sodium silicate cement.
2. A bonded heat-resistant abrasive article of the coated abrasive type comprising abrasive particles bonded to a flexible backing by a binder comprising a uniform mixture of casein and a sodium silicate cement.
3. A bonded heat-resistant abrasive article of the coated abrasive type comprising abrasive particles bonded to a flexible backing by a binder comprising casein and sodium silicate.

[1] Appellant took testimony. Appellee took no testimony, but filed affidavits containing disclaimers by Ball, Benner, and Rossow of the subject matter involved in this interference. Both parties have filed briefs, and were represented at final hearings. Appellant being the junior party, upon him rests the burden of establishing priority of invention by a preponderance of the evidence.

Appellant does not question that the invention defined in the counts is disclosed in appellee's application and the two earlier applications upon which he relies. We therefore deem it sufficient to state that we agree with the Primary Examiner and the Board of Interference Examiners that it is disclosed in those applications.

[2] Appellant contends that appellee is not entitled to rely on the filing date of the 1937 Robie et al. application as the date of conception and a constructive reduction to practice of the subject matter here in issue, and in support of this contention cites *In re Roberts*, 49 App. D. C. 250, 263 Fed. 646. We have carefully considered the similar question presented in the companion interference, No. 80,225, Patent Appeal Nos. 5485, 5486, and for the same reasons that are given on that issue in our decision therein, we hold, as did the Primary Examiner and the Board, that appellee is entitled to the benefit of the filing date of April 19, 1937, as his date of conception and constructive reduction to practice of the invention in issue.

Appellant cannot prevail unless he establishes that he conceived the invention prior to April 19, 1937, and that he exercised reasonable diligence in reducing the invention to practice during the period beginning just prior to April 19, 1937, and ending March 10, 1939.

Appellant contends that the evidence establishes conception prior to April 19, 1937, and he calls special attention to the following stipulation:

> • • • that if Bert S. Cross were called as a witness; he would testify that work on silicate bonded abrasive articles of the coated abrasive or sandpaper type was carried out in the glue bond laboratory of Minnesota Mining & Manufacturing Company, during each of the years 1936, 1937 and 1938, and that he initiated discussions with patent counsel for the filing of a patent application on silicate bonded sandpaper, specifically including sandpaper bonded with a uniform mixture of casein and sodium silicate at least as early as the month of November 1938.
>
> And that a memo report dated January 13, 1937, from the files of said Bert S. Cross, bearing a typewritten signature of B. J. Oakes, makes reference to sodium silicate, casein adhesive for sandpaper, indicating interest in mixes of casein and sodium silicate as a bond for sandpaper at that time.
>
> It is further stipulated that the memo of January 13, 1937, is a memo relating to a patent meeting which was called for the purpose of considering what action might be taken in connection with the seeking of patent protection.

This stipulation showing that "work on silicate bonded abrasive articles of the coated abrasive or sandpaper type" was carried out during each of the years 1936, 1937, and 1938 does not show that work on the use of a mixture of casein and sodium silicate was carried out at those times. Further, the stipulation that discussions were initiated with patent counsel for the filing of a patent application on silicate bonded sandpaper specifically including sandpaper "bonded with a uniform mixture of casein and sodium silicate at least as early as the month of November 1938" falls far short of establishing conception prior to April 19, 1937.

The second paragraph of the stipulation hereinbefore set out simply states, "• • • indicating interest in mixes of casein and sodium silicate as a bond for sandpaper at that time," which does not clearly show a conception of the invention in issue. The reference to "sodium silicate, casein adhesive for sandpaper" does not show that such mixture was contemplated as the bonding material for bonding the grains to a flexible backing.

The last paragraph of the stipulation, supra, refers to a "patent meeting which was called for the purpose of considering what action might be taken in connection with the seeking of patent protection," but it does not disclose what the patent protection was sought for, and it does not disclose that it referred to this particular invention.

[3] We have carefully examined all of the evidence, but we do not find that it establishes a conception of the invention here in issue prior to April 19, 1937.

For the reasons hereinbefore set out, the decision of the Board of Interference Examiners is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE CUSTER

No. 5510. Decided March 1, 1949

[— F.2d —; 81 USPQ 99]

1. PATENTABILITY—APPARATUS—UNDUE BREADTH.
   Where the alignment of the propeller disc and wing concavity is fundamental in producing the result which would make appellant's combination patentable over aircraft structures known to the art, *Held* that because the claim fails to clearly state this essential element, it is too broad.
2. CLAIMS—CONSTRUCTION—LIMITATION NOT EXPRESSED.
   It is well understood that applicants for patent may not have read into their claims limitations not expressed therein although emphasized in their applications.
3. SAME—SAME—SAME.
   Held that this court will not reverse a decision of the Board by reading into a claim a limitation not expressed in the claim and not considered by the Board.
4. PATENTABILITY—APPARATUS—AGGREGATION.
   Since the claim is indefinite in describing the essential relation which gives appellant's aircraft patentability over the prior art, *Held* that it fails to describe a combination, and the elements which are recited, merely recite an aggregation.
5. WORDS AND PHRASES—"CHANNEL WING."
   Held that "channel wing" means a wing structure of a single channel-like configuration.
6. PATENTABILITY—APPARATUS—UNDUE BREADTH.
   Where patently, the channel defined in the claim could not be of just any size and still obtain the novel and unusual results of appellant's invention, and where the claim supplies no limiting criteria which will assist in limiting the claim to the order of dimension required to secure the results, *Held* that the claim is too broad.
7. SAME—PARTICULAR SUBJECT MATTER—AEROPLANE.
   Certain claims for an aeroplane *Held* properly rejected as lacking invention over the prior art, aggregative and as lacking clarity.

APPEAL from the Patent Office. Serial No. 439,257.

AFFIRMED.

Garvey & O'Connell (*B. F. Garvey* and *J. A. O'Connell* of counsel) for Custer.

W. W. Cochran (*H. S. Miller* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 5, 6, and 7 in appellant's application for a patent for an invention of "new and useful improvements in an aeroplane." Each of the appealed claims were rejected as lacking invention over the prior art, while claims 5 and 7 were also rejected as being aggregative, and claim 5 was additionally rejected as lacking clarity. Claims 17 and 18 were rejected by the Primary Examiner as being unpatentable in view of the prior art; however, the Board, while affirming the Examiner's rejection of those claims, recommended their allowance if amended in the manner suggested in the Board's decision. The recommended amendment was made by appellant, and claims 17 and 18 are not before us on appeal.

The references cited by the Examiner and the Board art: Henter et al., 1,868,832, July 26, 1932;

Stipa, 1,873,505, August 23, 1932; Henter, 2,194,596, March 26, 1940; Stipa (French), 796,984, February 3, 1936.

The appealed claims read as follows:

5. An aeroplane including a fuselage, wings on the fuselage, each of the wings being provided with a channel arranged in the direction of flight of the aeroplane, the channels opening upwardly and extending from the front to the rear edges of the wing and propellers carried by the fuselage and positioned to operate adjacent the aft ends of the wing channels the distance between each propeller disc and the aft end of its corresponding channel being less than one-sixth of the diameter of the disc.

6. An aeroplane including a fuselage, a channel wing opening upwardly, carried by each side of the fuselage the depth of the channel being constant from the front to the rear edges of the wing, and means for creating low air pressure areas in the wing concavities whereby static lift is effected.

7. An aeroplane including a fuselage, concave wings carried by the fuselage, landing control means carried by said wings, certain of the controls being within and the others beyond the lateral extent of said wing concavities, and means for creating low air pressure areas in the wing concavities.

Appellant's invention consists of the combination of a standard fuselage and empennage with concave, channel, or scoop-like air foil type wings opening upward and provided with parallel aligned ailerons supported by spars traversing the upper opening of the concave channel wing; aileron equipped wing tips laterally extending from the outer extremity of the channel wings in the plane of the spars before mentioned; and, a propeller supported from each side of the fuselage positioned adjacent the rear edge of the channel wing surfaces so that the lower semi-circle of the disc of rotation of each propeller coincides with the arc of the rear surface of the channel wings.

The effect of the propellers pulling the air through the channel formed by the inner surface of the concave wings is said to be the production of such a low pressure area within the channel area that the lift coefficient of the wings is augmented to an unexpected degree. The aileron or flap landing control affixed to the spar above the channel opening, and lowerable into the channel area, assists in reducing air speed without sacrificing lift. The increased lift factor together with the landing control means permits the use of the full force of the engine in landing and taking off, the propeller producing lift at the expense of forward motion without sacrificing stability.

The advantages claimed for the invention may be summarized as: a retention of maximum speed, an increase in the dynamic as well as static stability, decreased landing speed, and, an augmented lift coefficient. The invention permits safe take-off and landing by high speed aircraft on short runways such as battleship decks, aircraft carriers, and small airfields without using added appurtenances, increasing the wing area, decreasing the maximum speed, or jeopardising the stability factor.

The Henter et al. patent, No. 1,868,832, provides for "a depression on the upper side of a sustaining wing which depression ends into a circularly depressed trailing edge before the corresponding air screw, thereby shielding the air screw against the air flowing on the lower side of the wing." There is also in that patent provision for "slots arranged in the surface on the upper side of the aerofoil, said slots being connected by ducts with said depressions," such that "air from the upper side of the aerofoil flows through said slots and ducts to said airscrews."

The results obtained by Henter et al., as stated substantially in the language of the patent specification, are:

1. The suction induced by the air screws affects a larger portion of the upper wing surface than with the air screw above a straight, undepressed trailing edge. The new kinetic energy induced upon the boundary layer prevents this layer from setting up a reverse flow.

2. The arrangement of the depressions with their corresponding air screws behind enables also suction of air through slots and ducts from such points on the upper side of the aerofoil, where the flow is liable to break away. Such air is then discharged rearwards by the air screws and the reverse flow of the boundary layer near the slot or opening inlets cannot occur.

3. A controllable flap is provided behind the air screws that is capable of directing the discharge flow of the air screws as well as the wing downwards to obtain temporarily a high lift coefficient, for instance for landing.

The Henter patent, 2,194,596, merely incorporates the disclosure of Henter et al. in various aircraft types.

The Stipa domestic patent provides for a tube mounted in a fuselage, and a propeller positioned in front of, or within, the tube, but in any case limited by "at least a part of said tube being situated behind said propeller." The propeller and tube cooperate to secure a Venturi effect, transforming the dynamic pressure into static pressure in the diverging portion of the tube, the reaction thereby increasing the propelling action of the screw. Openings are provided in the upper surface of the fuselage or wing leading into the tube. The effects secured by the invention are a decrease in the resistance of the air to the flight, and an increase in the lifting power of the aircraft.

The French patent to Stipa is an adaptation of the earlier Stipa patent, described in the preceding paragraph, the essential difference consisting in situating a Venturi tube on each side of the fuselage rather than a single tube in the fuselage as heretofore. Both Stipa references disclose movable flaps at the rear of each channel, and ailerons at the wing tips.

In rejecting claim 5 as aggregative and lacking clarity, the Examiner stated that the claim revealed no cooperative or useful relation between the propellers and the channel wings. The claim, he held, does not limit the relationship of propeller and channel wing to one of alignment, but would admit of a relation where the propeller was below the wing, out of alignment with the channel area. The Board agreed with that finding.

In meeting that finding, appellant's counsel refers to the statements in the claim that the channel opens upwardly and extends from the front to the rear edges of the wing, and that the propellers are carried by the fuselage and positioned to operate adjacent the aft ends of the wing channels. He then says that "This art has been extant for more than 75 years, during which time many patents have been granted, including the combination of wings and propellers. In all instances the proximity of the propellers to the wings is such as to, in theory at least, effect an operative structure." We scarcely think counsel intends to admit the combination of channel wing and aligned propeller for which he is seeking a patent is old to the art. He further interprets the Examiner and Board as referring to the distance between the disc of rotation of the propeller and the rear surface of the channel wing, whereas the Examiner and Board are actually referring to the alignment of the lower half of the disc of rotation of the propeller with the arc-like configuration of the rear edge of the channel wing so that the vital effect of the invention; viz., inducing a flow of air through the channel, is secured.

[1] Since the alignment of the propeller disc and wing concavity is fundamental in producing the result which would make appellant's combination patentable over aircraft structures known to the art, his failure specifically to set out the relationship of alignment in claim 5 is fatal to the claim. The use of "adjacent" in the claim as the limiting word describing the relation of propeller to wing channel would allow a relation where the propeller would be beside the channel laterally, or at a variety of positions other than the one essential position of alignment with the channel. We agree with the Examiner and the Board that claim 5 lacks the requisite clarity to identify and limit the combination to that propeller-wing channel relationship which is the basis of its patentability. The appellant's claim is too broad because it fails clearly to state this essential element. *In re Vincent J. Burnelli*, 17 CCPA (Patents) 918, 38 F.2d 891, 396 O. G. 8. [2] Nor are we able to limit the normal meaning of "adjacent" by reference to the specification and drawing of appellant's application, for it is well understood that applicants for patents may not have read into their claims limitations not expressed therein although emphasized in their application. *Martin v. Chapman and Littleford*, 21 CCPA (Patents) 1187, 71 F.2d 174, 22 USPQ 50, 448 O. G. 765. [3] This court likewise will not reverse a decision of the Board by reading into a claim a limitation not expressed in the claim and not considered by the Board. *In re Freeman*, 35 CCPA (Patents) 1127, 168 F.2d 81, 77 USPQ 596, 613 O. G. 801.

[4] Since claim 5 is indefinite in describing the essential relation which gives the appellant's aircraft patentability over the prior art, it likewise fails to describe a combination, and the elements which are recited, being shorn of the limitation vital to their patentability as a combination, merely recite an aggregation. It is therefore unnecessary to consider the additional ground of rejection cited below; viz., lack of patentability over the prior art, as the claim is fatally defective on the grounds hereinbefore considered.

[5] Claim 6 was rejected by the Examiner as lacking invention over each of Henter and Henter et al. The Board held that the provision for a channel of constant depth from front to rear does not sufficiently distinguish the claim from the references, and adds that the provision would admit of a very shallow concavity since the word "channel" contains no size limitations. The Board states that "channel wing" would embrace early well-known aircraft which used corrugated wing surfaces. As to this, appellant's claim refers to "channel wing" and the specification and drawings support the presumption that what is meant here is a wing structure of a single channel-like configuration. This would not embrace a wing whose surface contained many small corrugations or channels.

[6] The combination of the terms, however, fails adequately to cure the latent defect of limiting the channel to some order of dimension. Patently, the channel could not be of just any size and still obtain the novel and unusual results of the appellant's invention. Claim 6 supplies no limiting criteria which will assist in limiting the claim to the order of dimension required to secure the results of the invention. Obviously, "means for creating low pressure areas in the wing concavities whereby static lift is effected" is a functional description which, when coupled to the broad and indefinite antecedent description fails to distinguish the combination in a patentable way. Without limiting data within the claim, it could easily cover "depressions" in the wing as set forth in the Henter et al. patent. We agree with the Examiner and the Board that claim 6 does not sufficiently distinguish appellant's invention from the Henter and Henter et al. references. Furthermore, the claim is too broad, fails to set out important limitations as to dimension, and on this basis is likewise defective. *In re Vincent J. Burnelli*, supra.

Appellant strenuously opposes the rejection of claim 6 on the ground set out by the Examiner and the Board. He refers to the Board's decision qualifying its action on claims 17 and 18 of the application to permit allowance if and when amended to state "the depth of the channels is substantially constant from the front edge to the rear edge of the wing," and insists that since this limitation first appeared in claim 6, its application to claims 17 and 18 alone had the vital effect of curing otherwise unacceptable claims. We cannot agree. Claims 17 and 18, as amended, read as follows (amending clause italicized):

17. An aeroplane including a fuselage equipped with a wing on each side of the fuselage, each of the wings being provided with an upwardly opening channel, the channel extending from the front to the rear edge of the wing, *the depth of each channel being substantially constant from the fore to the aft edge of the wing* a propeller mounted on said aeroplane, the plane of rotation of the propeller disc being substantially in the transverse plane defined by the rear edge of the channel, the rear edge of the channel substantially coinciding with the lower half of the periphery of the propeller disc.

18. An aircraft having a lifting surface, said lifting surface being provided with an upwardly opening channel, the channel extending from the front to the rear edge of the surface, *the depth of each channel being substantially constant from the fore to the aft edge of the wing* a propeller mounted on said surface, the plane of rotation of the propeller disc being substantially in the transverse plane defined by the rear edge of the channel, the rear edge of the channel generally coinciding with the lower half of the periphery of the propeller disc.

It will be seen that claims 17 and 18 describe in detail the invention, including the essential aspect of the coincidence of the disc of rotation of the propeller and the configuration of the channel in the plane defined by the rear edge of the channel.

Claims 17 and 18, then, possess the data requisite to identify the essential relationship of alignment of the channel concavity with the propeller disc. The terminology of claim 6 is fatal in failing to include such criteria. For these reasons we agree with the tribunals below that claim 6 is not allowable.

Claim 7 was rejected by the Examiner because it fails to specify any cooperative relationship between the "landing control means" and "means for creating low air pressure areas in the wing concavities." For this reason the Examiner considered the claim aggregative. The Board agreed with the position of the Examiner, adding the explanation that as "directional controls," the "ailerons" would presumably be normally operative under "dead propeller" conditions as well as otherwise, so long as the air speed was sufficient for maneuverability. The appellant contends that the Board is in error, specifically, in overlooking the following statements in the record:

> With the present invention, instead of cutting off the engine for landing, the full horsepower is utilized, the propeller, during this period, producing lift at the expense of forward motion. • • • • • • •
>
> Consequently the engine, instead of being employed only for the take off and propulsion in flight, is likewise used to the extent of its horsepower for landing.

Counsel then contends that in view of those statements there is a "clear interdependence of function" between the "landing control means" and the "means for creating low air pressure areas in the wing concavities."

[7] The full scope of claim 7 must be considered, however, and we find it defective for the reasons set out for claim 6. The combination of terms used fails to supply any reference for limiting the channel wing in the order of dimension in its concave portions. As we have pointed out above, such inadequacy is fatal. The claim with this defect present fails to set forth any patentable cooperative relationship, as stated by the Examiner, and recites merely an aggregation. Moreover, the claim because of such defect fails to distinguish appellant's invention in a patentable way over the Henter and Stipa references all of which provide for controls which operate within and without the area of channel-like depressions.

For the foregoing reasons, the decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE DOVE

No. 5519. Decided March 1, 1949

[— F.2d —; 81 USPQ 109]

1. PATENTABILITY—INVENTION—COMBINING REFERENCES. Where appellant's device is an aggregation of expedients old to the art producing a result which does not exceed the contribution normally to be expected as the sum of the results obtained from each part, *Held* that no inventive contribution to the art is involved.

2. SAME—PARTICULAR SUBJECT MATTER—OVERHEAD DOOR CONSTRUCTION. Certain claims to an overhead door construction *Held* properly rejected as unpatentable over the prior art.

APPEAL from the Patent Office. Serial No. 426,078.

AFFIRMED.

M. E. Jones for Dove.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office sustaining the decision of the Primary Examiner rejecting, as unpatentable over the prior art, claims 10 and 11, which are all of the claims in appellant's application for a patent for an overhead door construction, particularly adapted for use as a garage door.

Claim 11 is illustrative and reads as follows:

> 11. In an overhead door construction of the type having supporting channel members for the door extending at right angles thereto and for counterweights for the door, and fulcrumed on rotatable sleeves intermediate their ends upon side supporting ground engaging frames to rotate to move the door from a vertical closed position to an overhead horizontal open position; the combination of an arcuate upstanding flange on one of the frames provided with a notch, a pawl shaped like a bell-crank pivoted on one side of a supporting channel member in the path of the flange to engage in the notch when the door is in an open position to prevent rotation of the supporting member to move the door to a closed position, a link connected with the pawl and extending angularly to a point adjacent the forward edge of the door in open position, a pivoted lever connected with the link and mounted on the door, and a handle connected with the lever to draw the link and disconnect the pawl from the notch when it is desired to close the door.

The references relied on are: Armitage, 781,986, Feb. 7, 1905; Larscheid et al., 1,162,936, Dec. 7, 1915; Fontaine, 1,262,765, Apr. 16, 1918; Bird, 2,177,275, Oct. 24, 1939.

It is not necessary to state a description of the above claim as it is self-explanatory of the disclosed apparatus.

The references disclose that in the Bird patent a garage door is supported by means of arms which are mounted on pivots. The door has a latch held by a spring so that it projects outwardly from the door. When the door is open, the latch engages the door and prevents it from closing. A cord which is attached to the latch is used for opening the door so that when a pull is given the cord, the latch is drawn inwardly. The Armitage patent discloses a supporting frame adjacent the pivoted member which is provided with a series of notches, the pivoted member carrying a pivoted arm provided at one end with a latch which may enter any one of the notches. To the other end of the latch arm is attached a cord, and when a pull is given that cord, the latch will be disengaged and also turn the pivoted member. The illustrated form is a transom.

The Larscheid et al. patent discloses a center pivot hinge for swinging window sashes, the sash being provided with a spring-held lock and cooperating lock segment which lock the sash in desired positions and which can be released by means of a pull cord.

The Fontaine reference discloses a locking and releasing mechanism for pivoted mirror frames, the frame being locked in desired positions by means of a lever pivotally mounted so that its end is linked to a pawl which in turn is pivoted and which engages teeth in a curved segment member of the mirror frame.

It will be readily seen that the operation of the structure defined in the Bird patent and that defined by the two appealed claims is essentially the same. In both structures the door is supported by comparatively long arms for movement about horizontal pivots from vertical door closing position to horizontal open position. The door in each case is biased so that when released it will move to open position. There is provided in each structure a latch member which is movable with the door and which engages a fixed member to hold the door in open position, and the latch member is connected with the door closing cord so that when that cord is pulled to move the door towards closed position, the latch will be released. Likewise, the particular door frame structure disclosed by the appellant, while different from that used by Bird, is not novel to the art. Springs and weights are well known equivalents as door counter-balancing means: the Bird patent makes explicit reference to them as such. Various other components recited in appellant's claims are commonplace in the art: viz., channel members, sleeves, arms, ground engaging frames. The means provided by appellant for releasing the door is also a mere assembly of devices disclosed in the Armitage, Larscheid et al. and Fontaine references: link, lever, pull cord, handle, pawl and notch. A mechanic confronted with the problem of engaging and releasing an upswinging door at the overhead position would be led by his knowledge and skill in the art to select such means and arrange them in some usable combination.

[1] We fully agree with the Primary Examiner and the Board that no inventive contribution to the art is involved in appellant's device by shifting the position of Bird's swinging catch to the pivot point of the door, as tought by Armitage (as well as by the Fontaine and Larscheid et al. patents). Moreover, in each of the Armitage, Fontaine, and Larscheid et al. patents, there is clearly anticipated the latch features recited in the claims here involved. The component parts of the latching and releasing device are not a patentable combination, but rather an aggregation of expedients old to the art which are brought together to produce a result which does not exceed the contribution normally to be expected as the sum of the results obtained from each part. As held by the Supreme Court of the United States in the case of *Lincoln Engineering Co.* v. *Stewart-Warner Corporation*, 303 U. S. 545, 58 S. Ct. 662, 82 L. Ed. 1008, 490 O. G. 3, "The mere aggregation of a number of old parts or elements which, in the aggregation, perform or produce no new or different function or operation than that theretofore performed or produced by them, is not patentable invention. And the improvement of one part of an old combination gives no right to claim that improvement in combination with other old parts which perform no new function in the combination."

Appellant insists that his device is a patentable combination rather than a mere aggregation and cites the case of *In re William Price et al.*, 17 CCPA (Patents) 736, 36 F.2d 432, 4 USPQ 85, 393 O. G. 253, as being comparable to the instant case. In the Price case, this court had before it an application disclosing a rotor comprised of a solid shaft and a rotor body carried by the shaft, the body carrying numerous air chambers, lubricant chambers, reservoirs, and inlets and outlets serving the chambers. The Patent Office tribunals had rejected the claim there in issue upon a combination of references. An essential element of Price's invention was a solid rotor, and his structure was designed to cooperate with a solid rotor shaft to produce the result of the invention. None of the references cited in that case disclosed a solid rotor shaft, and appellant there pointed out effectively that the substitution of analogous parts of the references in the manner cited by the Board in rejecting his claim would not produce appellant's device. This court then said:

> The solid shaft feature of the claim does not appear in any of the references cited. Its only suggested equivalent is an element • • • referred to • • • as "the part bearing in the bushing." It does not seem to us, from our understanding of the functioning of the machine, that this element is the mechanical equivalent of the shaft of the claim."

Appellant here in his brief quotes this court as then saying in the Price case:

> A claim is not anticipated when the complete structure set out in the claim is not shown by any of the prior art patents, nor does it appear that the structure of one can be so modified by substituting features or elements in the structure of the other as to produce the machine claimed.

What this court actually said there (17 CCPA (Patents) 736 at page 739) is as follows:

> We think it is correctly stated by appellants that the complete structure set out in the claim is not shown by any of the patents cited, nor does it appear that the structure of one can be so modified by substituting features or elements in the structure of the other as to produce the machine claimed by appellants.

The Price case, supra, is distinguishable from the instant case, in that each and every essential element of appellant's structure, or well-recognized equivalents therefor, is, as hereinbefore discussed, disclosed in the cited references.

Appellant cites also the case of *Hohlfeld* v. *Patterson* (District Court, E. D., Pa., 1914), 216 Fed. 183, where an interlocking device was involved. There in an infringement suit, the defendant, Patterson, relied on the defense that the complainant's patent was anticipated by the prior art. As to that allegation by the defendant, the district court held that the patents cited by defendant as prior art references anticipating complainant's device, addressed themselves "to joints or connections for fastening the side rails of beds" where rigidity of structure was an objective. Complainant's interlocking device was used for an entirely different purpose: viz., to provide detachable flexible ends for a hammock, and the prior art patents were not a proper basis for establishing anticipation. The instant case is easily distinguished from the situa-

tion described in *Hohlfeld* v. *Patterson*, supra, as appellant here has merely combined the disclosures, or their mechanical equivalents, of Bird, for a pivotally mounted overhead door construction, with the other references, for a locking and releasing latching device applied to pivotally mounted members, to obtain the same result; viz., a locking and releasing device applied to a pivotally mounted member in an overhead door construction.

Appellant calls our attention to *Simmons Co.* v. *Champion* (District Court, N. D., Ohio, 1929), 2 USPQ 168, as being "especially in point," and says that the district court there held "that the charge of mechanical skill does not apply when supplemented with an idea produced from original thinking." That case concerned an infringement action, where the defendant denied that the infringed patent to Travis in suit possessed invention over the prior art. The Travis patent related to a bed spring possessing a mechanism designed "to prevent sideway of the coil springs and to maintain the upper and lower bed spring frames in substantial alignment." In discussing the prior art references advanced by the defendant, the district court said:

> • • • *Travis and Jeffery were seeking to accomplish entirely different objects.* The Jeffery link was not of such a character, nor was it such a disclosure, as to be obvious to a mechanical eye seeking a different object. • • • *In my opinion, to go from Jeffery to Travis would require mechanical skill to be supplemented with an idea produced from original thinking.* [Italics ours.]

The appellant here apparently relied on the sentence italicized in the foregoing quotation when he stated in his brief that the district court there "held that the charge of mechanical skill does not apply when supplemented with an idea produced from original thinking." It will be seen from the quoted matter we have set out from the case that in the particular circumstances applying in *Simmons Co.* v. *Champion*, supra, Travis and Jeffery were attempting to accomplish entirely different objects, and the application of Jeffery's disclosure to Travis's device was not obvious to one skilled in the art. This is sharply distinguished from the instant case, as we have hereinbefore pointed out—here appellant is combining disclosures of prior art references to accomplish the same results to which they were addressed; locking and releasing mechanism applied to a pivotally mounted overhead door construction, through the use of the identical or equivalent mechanical expedients disclosed or long known to the art.

The final case advanced by appellant in support of his position is that of *Kulp et al.* v. *Bridgeport Hardware Mfg. Corporation* (District Court, Connecticut, 1927), 19 F.2d 659. Appellant quotes a head note to the case reading as follows:

> To negative invention in a novel combination, it is necessary to find in the prior art, not merely a construction which might be modified to make the patented device, but a suggestion, not only that the modification should be made, but also how to make it.

The patent alleged to be infringed in that case concerned a "one-hand valve-spring lifting tool, the jaws of which opened with a parallel movement upon moving the handle portions toward one another." The defendant alleged that the patent was invalid over the prior art. In considering the prior art references advanced by defendant in support of this allegation, the district court held substantially as quoted by appellant, and hereinbefore quoted, from the head note; however, the court additionally held

> • • • The claims in suit set forth a combination and arrangement of elements *not disclosed by the patents relied upon, taken either singly or combined*, and it is therefore entirely immaterial, with regard to the validity of this patent, whether all or some of the elements were old, or whether any of them were new. [Italics ours.]

The italicized portion of the foregoing quotation from that case emphasizes the factor distinguishing it from the instant case. Here the elements constituting appellant's structure are disclosed in the references either as used by appellant, or as well established and long recognized equivalents of those disclosures.

[2] For the reasons hereinbefore set out, we consider the device covered by appellant's claims to be unpatentable over the prior art, and we accordingly affirm the decision of the Board of Appeals.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,774,016, A. P. Steckel, Metal rolling; 1,779,195, same, Method and apparatus for rolling thin sheetlike material, filed June 20, 1948, D. C., W. D. Pa., Doc. 5812, *The Union National Bank of Youngstown, O.* v. *Superior Steel Corp.* "Order of court Mar. 1, 1949." Doc. 5813, *The Union National Bank of Youngstown, O.* v. *Universal Cyclops Steel Corp.*

1,779,195. (See 1,774,016.)

1,791,440, 1,900,087, L. V. Aronson, Atomizer; 1,972,469, same, Atomizer construction, filed Mar. 2, 1948, D. C., W. D. Pa., Doc. 6995, *Ronson Art Metal Works, Inc.* v. *General Crafts Co., Inc.*

1,856,627, H. W. Fletcher, Cutter for earth boring drill; 1,983,283, L. E. Garfield, Bearing for drill cutters; 1,983,316, Scott & Garfield, Three coue bit; 2,030,442, same, Roller bearing bit; 2,011,084, F. L. Scott, Mounting for drill cutters, filed Apr. 16, 1949, D. C. Del., Doc. 1206, *Chicago Pneumatic Tool Co.* v. *Hughes Tool Co.*

1,900,087. (See 1,791,440.)

1,923,965, J. B. Brennan, Acoustic diaphragm; 1,923,966, same, Method of constructing acoustic diaphragm; 2,090,025, same, Sound reproducing device, D. C., N. D. Ill., E. Div., Doc. 47c821, *J. B. Brennan* v. *Hawley Products Co.* Dismissed for want of equity Mar. 16, 1949.

1,963,688. (See 1,938,548.)

1,938,548, H. E. Tauts, Machine table extension; 1,963,688, same, Hollow fence bar and proces of making same, filed July 29, 1949, D. C., W. D. Pa., Doc. 7318, *The Emerson Electric Mfg. Co.* v. *Rockwell Mfg. Co.*

1,963,688. (See 1,938,549.)

1,969,945, O. V. Rodriques, Razor and loading device therefor; 2,043,046, L. Kubnl, Magazine for razor blades, filed Apr. 6, 1949, D. C., S. D. N. Y., Doc. 49/623, *Eversharp, Inc.* v. *Pal Blade Co., Inc.*

1,972,469. (See 1,791,440.) 1,983,283. (See 1,856,627.)

1,983,316. (See 1,856,627.)

1,995,643, M. C. Miller, Weit turning mechanism for knitting machines; 1,995,644, 2,217,520, 2,217,521, 2,248,507, same, Knitting machine, filed Apr. 14, 1949, D. C. Del., Doc. 1205, *Apex Hosiery Co.* v. *Knitting Machines Corp.*

1,995,644. (See 1,995,643.)

2,003,430, R. E. Crockett, Apparatus for removing magnetic from nonmagnetic materials; 2,090,112, same, Separating apparatus; 2,410,601, same, Magnetic separator; 2,446,813, same, Magnetic concentrate washing means for submerged belt magnetic separators, filed Apr. 6, 1949, D. C., S. D. N. Y., Doc. 49/633, *Magnetic Engineering & Mfg. Co.* v. *Dings Magnetic Separator Co.*

2,011,084. (See 1,856,627.) 2,030,442. (See 1,856,627.)

2,043,046. (See 1,969,945.)

2,086,605, B. Cooper, Register; 2,165,227, same, Switch; 2,165,090, same, Treadle controlled system; 2,196,194, same, Key operated identifier; 2,205,555, same, Treadle circuit; 2,313,627, same, Treadle controlled toll checking system, filed Apr. 6, 1949, D. C., E. D. N. Y., Doc. 9878, *B. Cooper* v. *Electronic Signal Co.*

2,090,025. (See 1,923,965.) 2,090,112. (See 2,003,430.)

2,098,736, Bannon & Bigler, Automatic brake control; 2,208,220, H. T. Malley, Hydraulic brake control, filed Mar. 8, 1948, D. C., W. D. Pa., Doc. 7012, *Beatty Mfg. Co. et al.* v. *H. T. Malley.*

2,149,571, W. A. Batty, Hammer mill; 2,155,150, W. H. Schecht, Impact crusher; 2,155,151, same, Method of crushing, filed Nov. 25, 1947, D. C., W. D. Pa., Doc. 6815, *Pennsylvania Crusher Co. et al.* v. *Bethlehem Steel Co. et al.*

2,155,150. (See 2,149,571.) 2,155,151. (See 2,149,571.)

2,165,227. (See 2,086,605.) 2,166,090. (See 2,086,605.)

2,196,194. (See 2,086,605.) 2,205,555. (See 2,086,605.)

2,208,220. (See 2,098,736.) 2,217,520. (See 1,995,643.)

2,217,521. (See 1,995,643.) 2,248,507. (See 1,995,643.)

2,266,825, E. G. Streckfuss, Strip dispensing machine; 2,331,635, 2,272,440, same, Form issuing machine, filed Apr. 11, 1949, D. C. Del., Doc. 1204, *R. W. Brown* v. *Insurograph, Inc.*

2,272,440. (See 2,266,825.)

2,293,540, S. F. Keener, Method and apparatus for heating billets; 2,296,791, Keener & Buckbaldt, Rotary furnace, filed June 24, 1947, D. C., W. D. Pa., Doc. 6577, *Solem Engineering Co.* v. *The National Supply Co.*

2,296,791. (See 2,293,540.) 2,313,627. (See 2,086,605.)
2,331,635. (See 2,266,825.) 2,410,601. (See 2,003,430.)
2,446,813. (See 2,003,430.)

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 44,586, R. H. Ingersoll & Bro., Watches and clocks; T. M. 428,589, Horological instruments, same; T. M. 371,337, Waterbury Clock Co., Cutlery, machinery, and tools; T. M. 370,149, same, Paper and stationery; T. M. 420,559, Medicated Products Co., Heating, lighting, and ventilating apparatus, filed Mar. 23, 1949, D. C., N. D. Ill., E. Div., Doc. 49c494, *U. S. Time Corp* v. *Stetler Mfg. Co.*

T. M. 337,140, T. M. 375,283, C. B. Shane Corp., Overcoats and topcoats, D. C., N. D. Ill., E. Div., Doc. 47c1382, *C. B. Shane Corp.* v. *Peter Pan Style Shop, Inc.* Complaint and counterclaim dismissed without prejudice Mar. 22, 1949.

T. M. 370,149. (See T. M. 44,586.)

T. M. 371,337. (See T. M. 44,586.)

T. M. 375,283. (See T. M. 337,140.)

T. M. 420,559. (See T. M. 44,586.)

T. M. 428,589. (See T. M. 44,586.)

NOTICES

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,269,456, W. W. Hansen and R. H. Varian, Electron beam oscillator, decided Oct. 17, 1946, claims 1, 2, 3, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, and 28.

Pat. 2,278,158, W. C. Ware, Coated abrasive, decided Feb. 1, 1949, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10.

Pat. 2,404,172, C. R. Hanna, Stabilizer apparatus, decided Apr. 5, 1949, claims 1, 2, and 3.

Pat. 2,412,308, J. F. Weiler, Production of vinyl chloride, decided Apr. 18, 1949, claims 1, 2, and 5.

Pat. 2,424,482, B. Mechur and W. Riedler, Shoulder pad and method of making the same, decided Apr. 15, 1949, claims 1, 3, 6, 10, 15, 16, and 17.

Pat. 2,448,265, F. A. Firestone and R. B. De Lano, Jr., Time marks for the sweep of cathode ray tubes, decided Apr. 21, 1949, claim 8.

Cancellation Notice

Verne H. Carter, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Grace Bros. Brewing Co., Second and Wilson Sts., Santa Rosa, Calif., to effect the cancellation of trade-mark registration of Verne H. Carter, 3994 San Pablo Ave., Emeryville, Calif., No. 317,850, dated October 9, 1934, and the notice of such proceeding sent by registered mail to the said Verne H. Carter at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Verne H. Carter, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

April 28, 1949.

Erratum

In the notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 256,588 appearing in the OFFICIAL GAZETTE, of February 22, 1949, page 949, for "The Weppner Well Company, Cleveland, Ohio. Republished by Well & Company, Cleveland, Ohio," read *The Weppner Well Company, Cleveland, Ohio. Republished by Well & Company, Cleveland, Ohio.*

Disclaimers

2,406,117.—*Albert B. Welty, Jr.*, Mountainside, N. J. REFORMING. Patent dated Aug. 20, 1946. Disclaimer filed Apr. 15, 1949, by the assignee, *Standard Oil Development Company.*

Hereby disclaims from claims 1, 2, 3, 4, 8, and 9, and each of them, any process of the type defined in which the step of purging the catalyst with free hydrogen or free hydrogen-containing gas is not continued until hydrogen begins to appear in large quantities in the exit gas.

2,408,050.—*Louis A. de Rosa*, West Brighton, Staten Island, N. Y. METHOD OF AND MEANS FOR VISUALLY REPRODUCING SIGNALS. Patent dated Sept. 24, 1946. Disclaimer filed Apr. 19, 1949, by the assignee, *Federal Telephone and Radio Corporation.*

Hereby enters this disclaimer to claims 2, 11, and 16, in said specification.

2,429,631.—*Emile Labin*, New York, N. Y., and *Donald D. Grieg*, Forest Hills, N. Y. MULTICHANNEL PULSE MODULATOR SYSTEM. Patent dated Oct. 28, 1947. Disclaimer filed Apr. 10, 1949, by the assignee, *Federal Telephone and Radio Corporation.*

Hereby enters this disclaimer to claims 1, 2, and 3, in said specification.

2,447,494.—*Gerald Deakin*, New York, N. Y. TELEPHONE REGISTER CONTROL SYSTEM. Patent dated Aug. 24, 1948. Disclaimer filed Apr. 10, 1949, by the assignee, *International Standard Electric Corporation.*

Hereby enters this disclaimer to claims 5, 6, and 7, in said specification.

Classification Order No. 50

March 29, 1949

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In *Class 250, Radiant Energy* (Division 54)

41.6—LIGHT SENSITIVE CIRCUITS

CHANGE SUBCLASS TITLE

In *Class 250, Radiant Energy* (Division 54)

Change the title of subclass 83 to read: *Detection or measurement of invisible rays.*

ESTABLISH SUBCLASSES

In *Class 95, Photography* (Division 67)

(H. K. SAALBACH, *Classifier*)

1.9 Electric photography

In *Class 250, Radiant Energy* (Division 54)

(H. K. SAALBACH, *Classifier*)

Ray energy

200 Photocells; circuits and apparatus (to follow subclass 83.6)
201 Photocell controls its optical system
202 Following a pattern (e. g., line or edge)
203 Following a point (e. g., star or instrument pointer)
204 Adjusting optical system to balance brightness in plural paths
205 Controlling light source intensity
206 Photocell controlled circuit
207 Electron multiplier
208 Plural cathodes, anodes, or photocells
209 Controlling same circuit
210 Bridge and push-pull circuits
211 Special photocell
212 Self generating type
213 Light amplifiers
214 Electron tube circuits
215 Combined with diverse type device
216 Optical or pre-photocell system
217 Specific light source or control of light source
218 Fluent material in optical path
219 Web, strand or record in optical path
220 Plural light sources, optical paths or photosensitive elements
221 Controlled by article, person or animal
222 Inanimate article
223 Conveyor or chute
224 Article and light ray relatively moved during sensing
225 Polarizing
226 Color (e. g., filter or spectroscope)
227 Light conducting rod
228 Integrating sphere
229 Light valve (e. g., iris diaphragm)
230 Reflection type (e. g., mirror galvanometer)
231 Actuated by physical quantity (e. g., controlled by gauge)
232 Light chopper type
233 Rotary
234 Means for moving optical system
235 Repetitious path
236 Rotary motion
237 Hoods, gratings, baffles, diaphragms, masks
238 Temperature control of photocell
239 Housings (in addition to cell casing)

In *Class 260, Chemistry, Carbon Compounds* (Division 6)

(H. PFEFFER, *Classifier*)

Natural resins and reaction products

97.6 Tallöil and reaction products thereof
97.7 Separation of constituents of tallöil
99.5 Purification and recovery
99.5 Polymerized

MISCELLANEOUS CHANGES

On page 15–2, second column, cancel the third unnumbered title "With work contacting carriage . . . nozzle", and substitute: *With mechanical agitating means.*

In *Class 250, Radiant Energy*

after subclass 83.6 and before newly established subclass 200, insert:

84–177 Follow subclasses 200–239

after subclass 177, insert:

178–199 No subclass
200–239 Follow subclass 83.6

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
250	41.5	250	200 to 239

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Source	
Class	*Subclass*	*Class*	*Subclass*
95	1.9	95	various
250	200 to 239	250	41.5
260	97.6	260	97.5
260	97.7	260	97.5
260	99.5	260	97+

IN THE DEFINITIONS:

27, Undertaking

in subclass 24, add:

Search Class—
132—STRICKEY, subclass 347, for injectors and ejectors which are disclosed to be used in treating a living body and in more general applications.

73, Measuring and Testing

in subclass 339, under "Search Class", insert:

250—RADIANT ENERGY, subclass 83+, for means for detecting and measuring invisible rays, such as infra red, and 200+ for photocell electric circuits and photocell apparatus.

in subclass 355, under "Search Class", add:

250—RADIANT ENERGY, subclass 83+, for means for detecting and measuring invisible rays, such as infra red, and 200+ for photocell electric circuits and photocell apparatus.

in subclass 381, change "379" to *380.*

74, Machine Elements and Mechanisms

in subclass 750 in "(1) Note", in the third sentence, change "bear" to *gear.*

in subclasses 790 and 791, change "Bearing" to *Gearing.*

84, Music

in subclass 1.18, cancel "(2) Note" and add:

Search Class—
179—TELEPHONY, subclass 100.1+, for sound recording or reproducing systems in which a sound is electrically reproduced from or recorded on a record. Indented subclass 100.3+ contains those patents in which the record is an optical or photographic one, as for example, sound-on-film.
250—RADIANT ENERGY, subclass 200+, for photocell electric circuits and photocell apparatus. Note that subclass 206+ contains photocell circuits, 219 contains photocells which respond to indicia on a web or record, while 232+ contains photocells which are associated with light choppers.

88, Optics

in subclass 14, under "Search Class", first occurrence, cancel the reference to class 250 and substitute:

250—RADIANT ENERGY, subclass 42+, for testing instruments for various purposes utilising invisible radiant energy rays, such as an X-ray diffraction tester, indented subclass 83+ for detecting and measuring invisible rays, and subclass 200+ for apparatus having a photocell and its circuit or means to hold a sample in the optical path of the radiant energy which illuminates it.

cancel "Search Class", second occurrence; the reference to class 35 thereunder should be inserted in numerical order under "Search Class", first occurrence.

in subclass 22.5, under "Search Class", insert:

35—EDUCATION, subclasses 28.3 and 28.5, for color comparison charts not specialized to testing an unknown color by comparing it directly with a color on the chart.

cancel the reference to class 250 and substitute:

250—RADIANT ENERGY, subclasses 83+, for devices for measuring the intensity of invisible radiation, such as infra red radiation, and subclass 200+ for photocell electric circuits or photocell apparatus. Note that indented subclass 226 contains those patents on which a photocell is combined with means, such as a spectroscope, for causing the photocell to respond to the color of the light which illuminates it.

in subclass 23, under "Search Class", cancel the reference to class 250, and substitute:

250—RADIANT ENERGY, subclass 83+, for devices for measuring the intensity of invisible radiation, such as infra red radiation, and 200+ for photocell electric circuits or photocell apparatus.

95, Photography

establish the following subclass definition:

1.9. Apparatus and processes under the class definition in which an electric current or potential is applied to the light sensitive medium, and sensitized elements and developers specific to such apparatus and processes.

To complete the search for this subject matter, Search Class—
204—CHEMISTRY, ELECTRICAL AND WAVE ENERGY, appropriate subclass, where the image is formed by electrolysis, electroosmosis, electrophoresis or by cathode sputtering. Note particularly subclass 15+ for electrolytic coating to produce an image or design, subclass 180+ for coating by electrophoresis and electroosmosis and subclass 192 for coating by cathode sputtering.

Search Class—
41—ORNAMENTATION, subclass 36, for means for applying an ornamental flock coating to a material.
91—COATING, subclass 8, for means for coating material with flock.
101—PRINTING, appropriate subclasses, for printing means in which ink is transferred to a sheet by means of electric fields.
117—COATING, PROCESSES AND MISCELLANEOUS PRODUCTS, subclass 17, for the application of particular matter to a base by the use of electric fields.
204—CHEMISTRY, ELECTRICAL AND WAVE ENERGY, see above.

106, Compositions, Coating or Plastic

in subclass 123, in "(4) Note", change "97.5" to *97.5+.*

128, Surgery

in subclass 347, add:

Search Class—
27—UNDERTAKING, subclass 24, for trocars, the sole disclosed purpose of which is to treat a corpse.

136, Batteries

in subclass 4, cancel the note and substitute:

Search Class—
73—MEASURING AND TESTING, subclasses 341 and 359+, for thermal battery mountings or thermal batteries combined with measuring circuits.
171—ELECTRICITY, GENERATION, subclass 125, for pyromagnetic electric devices.
250—RADIANT ENERGY, subclass 83+, for means for detecting or measuring invisible radiant rays, such as infra red rays.

in subclass 89, cancel the note, and substitute:

Search Class—
178—ELECTRICITY, GENERAL APPLICATIONS, subclass 36G, for selenium or analogous cells which are light sensitive and also act as rectifiers.
250—RADIANT ENERGY, subclass 200+, for photocell electric circuits and photocell apparatus.

160, Closures, Partitions and Panels, Flexible and Portable

in subclass 5, under "Note. Search Class", insert:

250—RADIANT ENERGY, subclass 200+, for photocell electric circuits and photocell apparatus, especially subclass 202, where the photocell responds to a pattern or template by controlling an electric circuit to cause the photocell to trace or follow the pattern, and subclass 219 where the photocell is controlled by a pattern.
318—ELECTRICITY, MOTIVE POWER SYSTEMS, subclass 162+, for electric motor systems which are controlled by a pattern.

and under "Search Class", insert in numerical order:

250—RADIANT ENERGY, subclass 200+, for electro-optical pattern sensing means of general utility (see Note (1) above).
318—ELECTRICITY, MOTIVE POWER SYSTEMS, subclasses 162+, for pattern controlled electric motor systems of general utility (see Note (1) above).

in subclass 5.2, under "Search Class", add:

250—RADIANT ENERGY, subclass 226, for photocells combined with means to cause the photocell to sense the color of objects or light.

in subclass 6, under "Search Class", cancel the reference to class 250 and substitute:

250—RADIANT ENERGY, for radio telegraphy not limited to facsimile telegraphy, and other radiant energy apparatus of general application. Subclass 200+ includes photocell electric circuits and photocell apparatus of general application. Indented subclass 206+ includes circuits controlled by a photocell, indented subclass 219 includes photocells which sense a record, and indented subclass 234+ contains photocells combined with optical systems having means for moving the optical system, as, for example, through a scanning path.

178, Telegraphy

in subclass 5, under "(1) Note", insert in numerical order:

250—RADIANT ENERGY, subclass 200+, for photocell electric circuits and photocell apparatus, especially subclass 202, where the photocell responds to a pattern or template by controlling an electric circuit to cause the photocell to trace or follow the pattern, and subclass 219 where the photocell is controlled by a pattern.
318—ELECTRICITY, MOTIVE POWER SYSTEMS, subclass 162+, for electric motor systems which are controlled by a pattern.

and under "Search Class", insert in numerical order:

250—RADIANT ENERGY, subclass 200+, for electro-optical pattern sensing means of general utility (see Note (1) above).
318—ELECTRICITY, MOTIVE POWER SYSTEMS, subclasses 162+, for pattern controlled electric motor systems of general utility (see Note (1) above).

in subclass 5.2, under "Search Class", add:

250—RADIANT ENERGY, subclass 226, for photocells combined with means to cause the photocell to sense the color of objects or light.

in subclass 6, under "Search Class", cancel the reference to class 250 and substitute:

250—RADIANT ENERGY, for radio telegraphy not limited to facsimile telegraphy, and other radiant energy apparatus of general application. Subclass 200+ includes photocell electric circuits and photocell apparatus of general application. Indented subclass 206+ includes circuits controlled by a photocell, indented subclass 219 includes photocells which sense a record, and indented subclass 234+ contains photocells combined with optical systems having means for moving the optical system, as, for example, through a scanning path.

179, Telephony

In subclass 100.3, under "Search Class", add in numerical order:

250—RADIANT ENERGY, subclass 200+, for photocell electric circuits and apparatus. Indented subclass 206+ contains the photocell circuits while indented subclass 219 contains photocells which sense a record.

201, Resistances and Rheostats

In subclass 63 cancel Notes (1) and (2) and substitute:

Search Class—

73—MEASURING AND TESTING, subclasses 342 and 362, for current modifying thermometers.

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 30+, for over voltage arresters similar in structure to resistance units. Class 175 takes related structures for arc forming purposes with or without means for arc extinguishing.

250—RADIANT ENERGY, subclass 200+, for photocell electric circuits and photocell apparatus.

209, Classifying, Separating and Assorting Solids

In subclass 111, under "Search Class", after "energy rays" in the reference to class 250, insert:

and subclass 200+ for photocell electric circuits and photocell apparatus, particularly subclass 226 for photocells which respond to the color of light or objects and subclass 223 to photocells which sense objects traveling on a conveyer or chute.

240, Illumination

In subclass 46.05, under "Search Class", cancel the reference to class 250 and substitute:

250—RADIANT ENERGY, subclass 200+, for photocell electric circuits and photocell apparatus. Indented subclass 205 includes those photocells which control a shutter in the light path between light source and photocell.

246, Railway Switches and Signals

In subclass 29, under "Search Class" cancel the reference to class 250 and substitute:

250—RADIANT ENERGY, subclass 7, for signalling systems in which intelligence is transmitted over a light or analogous beam, subclass 83+ for means for detecting or measuring invisible radiant energy, and subclass 200+ for photocell electric circuits and photocell apparatus.

250, Radiant Energy

In subclass 7, insert:

Search this class, subclass—

200+—for photocell electric circuits and photocell apparatus, particularly indented subclass 230 where the photocell is illuminated by a light ray which is reflected from a mirror which may be moved under the control of a speech intelligence and subclass 231 where the photocell is illuminated by a light ray which passes through a light valve.

In subclass 27, under "Search this class, subclass" cancel the reference to subclass 41.5 and insert in numerical order:

200+—for miscellaneous electric discharge circuits whose operation is controlled by a photosensitive device in the circuit, particularly subclass 201+, where the photocell controls its optical system, and subclass 214, where the photocell controls a vacuum tube circuit.

cancel the definition of subclass 41.5.

In subclass 42, under "(3) Search this class, subclass" cancel "41.5 for light sensitive . . . device is", and substitute:

200+—for photocell electric circuits and photocell apparatus wherein the light controlling the operation of the photocell is

In subclass 83, cancel the definition and notes, and substitute:

83. Subject matter under subclass 42 for detecting the presence of, or measuring the quantity or quality of, invisible radiant energy rays, and combinations utilizing such means.

(1) Note.—This subclass is limited to apparatus and systems where the ray energy is not within the visible spectrum (i. e., visible light) and includes the detection and measurement of infra-red rays, ultra-violet, X-rays, radio-active emanations, neutrons, and other invisible ray energy.

To complete the search for this subject matter, search this class, subclass—

65+—and the subclasses specified in the notes to the definitions of those subclasses where the detecting or measuring means include photographic means.

71+—and the subclasses specified in the notes to the definitions of those subclasses where the detecting or measuring means includes a fluorescent or phosphorescent device.

Search this class, subclass—

27.5—for the structure of electric space discharge devices which are designed to have the gas or vapor atmosphere ionized by invisible ray energy (e. g., Geiger-Mueller counter tube).

200+—for miscellaneous photocell circuits which include a photocell which is responsive to light within the visible spectrum, and apparatus used with photocells, (e. g., optical systems which transmit the light to the photocell). Where the photocell is responsive to ray energy within and/or without the visible spectrum, and the claims do not limit the subject matter to use with invisible ray energy, the patent is classified in subclass 200+ below.

Search Class—

73—MEASURING AND TESTING, subclass 339+, for devices for measuring the temperature of hot bodies. Note that indented subclass 355 provides for devices where the radiant heat is measured, subclass 259+ provides for the current generating type measuring device, and indented subclass 362 provides for the current modifying type measuring device.

88—OPTICS, subclass 14, is the generic subclass for processes and apparatus for testing optical properties (such as tests which measure the amount of light which is transmitted by an object, subclass 22.5, for methods and apparatus for determining temperature of bodies by measurement of the relative intensity of light radiation therefrom, or by color or incandescence radiation; and subclass 23 for all forms of apparatus for measuring the intensity of light.

95—PHOTOGRAPHY, subclass 10, for actinometers.

136—BATTERIES, subclass 4, for thermal batteries or thermal electric generator for detecting infrared rays, and subclass 89 for photo-electric batteries.

201—RESISTANCES AND RHEOSTATS, subclass 63 for the structure of photo-sensitive resistances and subclass 76 for the compositions of photo-sensitive resistances.

219—ELECTRIC HEATING, subclass 34, provides for infra-red generating apparatus.

In subclass 83.3, cancel "(3) Search this class, subclass 41.5, . . . and invisible spectrum", and substitute:

(3) **Search this class, subclass 200+**, for photocell electric circuits and photocell apparatus in which the light controlling the operation of the photocell is within the visible spectrum. See the search notes to superior subclass 83 for the line of division. Photocell circuits are found in subclass 206+, indented under subclass 200.

In subclass 165, cancel "(3) Search this class, subclass 41.5 . . . the circuit", and substitute:

(3) **Search this class, subclass 200+**, and the search notes thereto, for photocell circuits and photocell apparatus. See (7) Note to the definition of subclass 200 which lists the various classes containing photocells per se.

establish the following subclass definitions:

200. Subject matter under subclass 42 which includes a photocell.

(1) Note.—*Definition of terms*

A photocell is defined for the purpose of classification in these subclasses as an electrical device which responds to radiant energy (e. g., light) by varying its electrical characteristics or by generating an electric current. This definition therefore includes resistances, electric space discharge devices, batteries, inductances, condensers, bolometers and other electrical devices which have their electrical characteristics varied by radiant energy. For the purpose of classification in these subclasses "light" and "radiant energy" are used synonymously.

(2) Note.—*Circuits and apparatus included*

These are the generic subclasses for the following:

a. Electrical circuits whose operations are controlled by means of a photocell.

b. Photocells in combination with the optical means for controlling the radiant energy which illuminates the photocell.

c. Photocells in combination with the source of illumination for the photocell.

d. Apparatus which is limited to use with photocells and which is not otherwise classified. Examples of such apparatus are the photocell temperature control means in subclass 238 and the housings in subclass 239.

(3) Note.—*Signaling systems*

Electrical communication systems whose operation is controlled by means of a photocell are excluded from these subclasses.

For such systems, search class—

177—ELECTRIC SIGNALING, for miscellaneous signaling systems including a photo-cell. Note especially subclass 314 for burglar alarm systems which are controlled by means of a photocell.

178—TELEGRAPHY, subclasses 6+, for television or facsimile systems which include a photocell.

179—TELEPHONY, subclass 100.3+, for electrical sound recording and reproducing systems which include a photocell.

246—RAILWAY SWITCHES AND SIGNALS, subclass 29, for railway traffic control systems which are controlled by a photocell.

This class (**250**), subclass 7, for communication systems (telegraphy or telephony) in which the intelligence is transmitted over a light beam and which include a photocell.

332—MODULATORS, subclass 3, for modulators which are controlled by a photocell, where no significant optical system for controlling the light intensity upon the photocell is claimed. Where such optical system is claimed, the subject matter is classified in class 250, subclass 200+.

(4) Note.—*Photocell controlled cathode ray tube circuit*

Class 315, ELECTRIC LAMP AND DISCHARGE DEVICES, SYSTEMS, subclasses 10+ provide for miscellaneous circuits for supplying electric current and/or potential to a cathode ray tube where the system includes a photocell to control the cathode ray tube. The systems included in subclass 10+ include systems having a photocell in the supply circuit of the cathode ray tube and systems where the cathode ray tube includes a photo-electric electrode.

Class 178, TELEGRAPHY, subclass 6+ provide for facsimile systems which include a photocell controlled cathode ray tube.

(5) Note.—*Photocell combined with diverse type device*

These subclasses include a photocell apparatus or photocell controlled circuit when combined with a diverse type apparatus only when the combination includes only the portion of the diverse type apparatus necessary to provide for the photocell apparatus or circuit. Such combinations will be found for the most part in subclass 215 of this class. Where structure of the device is claimed in addition to that necessary to provide for the photocell apparatus or photocell circuit, the device is excluded from these subclasses and will be found with the art that provides for the particular device with which the photocell is combined. Also, see (6) Note below with reference to photocell circuits which are limited to controlling specific devices, such as a signal, meter, etc. See (3) Note above for a reference to signaling systems which include a photocell. For some of the classes which provide for devices which include a photocell apparatus or circuit, see the classes listed under (9) Note below.

(6) Note.—*Photocell circuit with specific load device in the output circuit*

a. General statement:

These subclasses do not provide for photocell controlled circuits which have a particular load device, such as an electric motor, recited in the output circuit. Such systems are classified with the particular art. See the paragraphs below for some special exceptions to this general statement. For a partial list of the classes which provide for the excluded circuits, see the classes under (9) Note below.

b. Photocell controls its light source or optical system.

These subclasses do provide, in subclass 201+, for photocell circuits where the output circuit controls means which control the optical system of the photocell (e. g., rebalancing systems, apparatus having means for causing the photocell to move so as to trace the contour of a pattern, circuits having the illumination source for the photocell controlled by the photocell). Note that where the claims are limited to a photoelectric circuit having an electric lamp as the source of illumination for the photocell, the electric lamp being connected in the output circuit of the photocell circuit so that the lamp which illuminates the photocell is controlled by the photocell, no structure of the optical system between the lamp and photocell being claimed, the circuit is classified in class 315, ELECTRIC LAMP AND DISCHARGE DEVICES, SYSTEMS, subclass 151.

c. Photocell with electronic tube or other current or potential modifying means in the output circuit.

These subclasses do provide for photocell circuits having means in the output circuit for modifying or amplifying the photocell current or voltage so as to produce the type of output control current or voltage desired. Examples of such means are the bridge circuits and electronic tube devices.

Photocell controlled systems for modulating a repetitious electrical wave (e. g., a carrier) with an intelligence are classified in class 332, MODULATORS, subclass 3, where no significant optical system for controlling the light impressed upon the photocell is claimed. If such optical system is claimed, the subject matter is classified in class 250, subclass 200+.

Where the device controlled in the output circuit is a cathode ray tube, or where the photocell is a part of a cathode ray tube, and the claims do not include any significant output circuit for the cathode ray tube, the circuit is classified in class 315, ELECTRIC LAMP AND DISCHARGE DEVICES, SYSTEMS, subclass 10+. See (4) Note above.

Where the device controlled in the output circuit is an electronic tube of the gas or vapor type (including gas or vapor discharge lamps), and the claims do not include any significant output circuit for the electronic tube, the circuit is classified in class 315, ELECTRIC LAMP AND DISCHARGE DEVICES, SYSTEMS, subclass 149+, especially in subclasses 156 and 157. Subclass 156 provides for the circuit where another electronic tube which is controlled by the photocell is interposed in the supply circuit of the gas or vapor type electronic tube, and subclass 157 where the electronic tube which is controlled is provided with a discharge control means (e. g., grid).

(7) Note.—*Photocells, per se.*

These subclasses do not include the structure of the photocell, per se. The photocells per se are classified according to the type of electrical device. For the classes and subclasses which provide for photocells and analogous devices, **search class—**

136—BATTERIES, subclass 4+, for photocells which generate electricity by virtue of the heating effect of radiant energy, and subclass 89 for photocells of the primary battery type which depend upon the presence of visible radiant energy for their operation.

175—ELECTRICITY, GENERAL APPLICATIONS, subclass 366, for selenium type rectifiers (which are analogous to selenium photocells).

200—ELECTRICITY, CIRCUIT MAKERS AND BREAKERS, subclass 136+, for thermally responsive switches.

201—RESISTANCES AND RHEOSTATS, subclass 63+, for resistances which change their resistance when illuminated, such as selenium cells. Indented subclass 76 contains the photo-sensitive resistance compositions.

This class (**250**), subclasses 150 and 153 for cathode ray tubes which include a photo-sensitive electrode and subclasses 165+ for photocells of the space discharge type.

(8) Note.—**To complete the search for this subject matter, search this class, subclass—**

83+—where the photocell has characteristics which cause it to respond principally to the invisible portion of the radiation spectrum or where the photocell is combined with means to insure that it will respond to the invisible portion of the radiation spectrum. Illustrative of such photocells are a Geiger-Mueller counter and a conventional photocell provided with an ultra violet ray filter, respectively. Where the photocell will respond to both visible and invisible radiant energy and is not provided with means for enhancing response to invisible radiant energy or diminishing response to visible radiant energy, classification is in subclass 200+.

Search Class—

315—ELECTRIC LAMP AND DISCHARGE DEVICES, SYSTEMS, subclass 10+, for photocell controlled cathode ray tube circuits. See (4) and (6c) Notes, supra. Subclass 149+ provides for photocell circuits which control an electric lamp or an electronic tube of the gas or vapor type. See subclass 150 where the lamp or gas or vapor tube is itself a photocell, subclass 151 where the lamp which illuminates the photocell is in the output circuit of the photocell, (see (6) Note, b above), and subclasses 156 and 157 where the photocell controls the operation of a gas or vapor type electronic tube or lamp (see (6) Note, c above).

332—MODULATORS, subclass 3 for photocell controlled modulator circuits. See (3) Note and (6) Note, c above.

(9) Note.—For related subject matter search this class, subclass—

95—for X-ray generator systems provided with a photocell which measures and controls the total amount of X-ray discharge.

97—for X-ray generator systems provided with a photocell which measures and controls the rate of X-ray discharge.

Search Class—

73—MEASURING AND TESTING, subclass 339+, for means to measure the temperature of bodies. Note that indented subclass 355 provides for such means which respond to the radiant energy in the form of heat or infra-red (as distinguished from visible) radiation from the body whose temperature is being measured, subclass 359+ provides for such means (e. g., thermocouple) which generates an electric current, and subclass 862 provides for such means (e. g., bolometer) which modifies an electric current.

84—MUSIC, subclass 1.13, for musical instruments in which the sound is produced from electric currents which are generated or controlled by photocells or for the photocell subcombinations of such musical instruments, when restricted to such use.

88—OPTICS, subclass 14, where the photocell is part of a testing device which tests an optical property of a material, such as turbidity or color, subclass 22.5 where the photocell is part of an optical pyrometer, which measures the temperature of a body by sensing its visible (as distinguished from heat or infra-red) radiation and subclass 23 where the photocell is part of a photometer which measures the intensity of light.

95—PHOTOGRAPHY, subclass 11.5, for cameras provided with means to synchronize the operation of a camera shutter with a flash of a light, which means may include a photocell.

160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE, subclass 5, for closures, partitions or panels which are automatically controlled by a photocell.

209—CLASSIFYING, SEPARATING AND ASSORTING SOLIDS, subclass 111, for devices containing a photocell which will classify, separate or assort objects in accordance with their optical properties or their appearance, such as glossiness or size.

240—ILLUMINATION, subclass 46.05, for illuminating means having a moveable screen which is automatically controlled by a photocell.

272—AMUSEMENT DEVICES, GAMES, subclass 101.1, for amusement devices having a photocell in which a light ray is projected at a target.

314—ELECTRIC LAMP AND DISCHARGE DEVICES, CONSUMABLE ELECTRODES, subclass 63, for arc lamps in which the feeding of the electrodes is controlled by a photocell.

315—ELECTRIC LAMP AND DISCHARGE DEVICES, SYSTEMS, subclass 82+, for vehicle headlamp systems in which a photocell controls the headlamp as by dimming when the photocell is illuminated by the headlamps of another vehicle.

318—ELECTRICITY, MOTIVE POWER SYSTEMS, subclass 18+, for electric motor follow-up systems, some of which have a photocell which detects the amount of unbalance in the follow-up system; subclass 162+ for electric motor systems in which a photocell senses a pattern and controls the motor in accordance with the sensing; subclass 313 for electric motor systems having a photocell which controls the motor so that it follows a rotating standard; and subclass 480 for other photocell controlled electric motor systems.

321—ELECTRICITY, CONVERSION SYSTEMS, subclass 46, for rectifying systems having rectifiers of the selenium type, analogous to selenium photocells.

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclass 26, for electric generator systems having a generator and a photocell which controls the generator or the driving means for the generator.

323—ELECTRICITY, VOLTAGE MAGNITUDE AND PHASE CONTROL SYSTEMS, subclass 21, for voltage magnitude control systems having a photocell which automatically controls the system.

(10) Note.—*Index to classes and subclasses referred to in previous sections:*

	Note No.
73—MEASURING AND TESTING	
Sub. 339+ Temperature measuring devices	9
84—MUSIC	
Sub. 1.18 Musical tones produced by photocells	9
88—OPTICS	
Sub. 14 Optical testers using photocell	9
Sub. 22.5 Optical pyrometer using photocell	9
Sub. 23 Photometer using photocell	9
95—PHOTOGRAPHT	
Sub. 11.5 Camera flash synchronizers using photocell	9
136—BATTERIES	
Sub. 4+ Thermal photocell batteries	7
Sub. 89 Primary photocell batteries	7
160—CLOSURES, PARTITIONS AND PANELS, FLEXIBLE AND PORTABLE	
Sub. 5 Closure, partition or panel controlled by photocell	9
175—ELECTRICITY, GENERAL APPLICATIONS	
Sub. 366 Selenium rectifiers analogous to photocells	7
177—ELECTRIC SIGNALING	
Sub. 314 Burglar and analogous alarms using photocells	3
178—TELEGRAPHY	
Sub. 0+ Cathode ray image tube controlled by photocell	3,4
179—TELEPHONY	
Subs. 100.3+ Electric sound recording and reproducing	3
200—ELECTRIC CIRCUIT MAKERS AND BREAKERS	
Sub. 136+ Thermally responsive switches analogous to photocell	7
201—RESISTANCES AND RHEOSTATS	
Sub. 63+ Variable resistor type photocells	7
209—CLASSIFYING, SEPARATING AND ASSORTING SOLIDS	
Sub. 111 Sorters, separators or classifiers using photocell	9
240—ILLUMINATION	
Sub. 46.05 Light projector with screen controlled by photocell	9
246—RAILWAY SWITCHES AND SIGNALS	
Sub. 29 Railway traffic control system using photocell	3
250—RADIANT ENERGY (*This class*)	
Sub. 7 Communication over light beam	3
Sub. 83+ Special (non-light) ray photocell circuits and apparatus	8
Sub. 95 Photocell controls total discharge of X-ray tube	9
Sub. 97 Photocell controls rate of discharge of X-ray tube	9
Subs. 150, 153 Cathode ray tube with photosensitive electrode	7
Sub. 165+ Space discharge type photocells	7
Sub. 201+ Photocell controls its optical system	6b
Sub. 215 Diverse device combined with photocell	5
Sub. 238 Photocell cooling	2d
Sub. 239 Photocell housings	2d
273—AMUSEMENT DEVICES, GAMES	
Sub. 101.1 Amusement device with light ray and photocell target	9
314—ELECTRIC LAMP AND DISCHARGE DEVICES, CONSUMABLE ELECTRODES	
Sub. 63 Arc lamp with photocell control	9
315—ELECTRIC LAMP AND DISCHARGE DEVICES, SYSTEMS	
Sub. 10+ Cathode ray tube controlled by photocell	4,6c,8
Sub. 82+ Vehicle headlamp system with photocell control	9
Sub. 140+ Lamp or gas tube controlled by photocell	6b,6c,8
318—ELECTRICITY, MOTIVE POWER SYSTEMS	
Sub. 18+ Electric motor follow-up with photoelectric control	9
Sub. 162+ Electric motor controlled by pattern sensed by photocell	9
Sub. 313 Electric motor follows rotating standard sensed by photocell	9
Sub. 480 Electric motor controlled by photocell	9
321—ELECTRICITY, CONVERSION SYSTEMS	
Sub. 46 Rectifying system using selenium rectifiers	9
322—ELECTRICITY, SINGLE GENERATOR SYSTEMS	
Sub. 26 Electric generator or its drive controlled by photocell	9
323—VOLTAGE MAGNITUDE AND PHASE CONTROL SYSTEMS	
Sub. 21 Voltage magnitude system controlled by photocell	9
332—MODULATORS	
Sub. 3 Modulator controlled by photocell	3,6c,8

201. Subject matter under subclass 200 in which the photocell automatically controls the illumination which falls on the photocell.

(1) Note.—The control of the illumination may be effected by altering the source of light (e. g., intensity or position) or by altering the optical path between source of light and photocell (e. g., transparency of light transmitting medium or position of photocell).

Search this class, subclass—

206+—for photocell controlled circuits or devices which do not control the illumination of the photocell.

216+—for optical systems which control the illumination of a photocell.

202. Subject matter under subclass 201 having means for illuminating the photocell in accordance with the relative position of the photocell and a pattern, and having means for causing the photocell to follow the edge of the pattern under control of said illumination, or for causing the optical path between pattern and photocell to change, under the control of said illumination, so that the photocell follows the edge of the pattern image.

(1) Note.—The edge of the pattern may be either a thick or thin line or the line of demarcation between two areas of different optical properties. The photocell may follow the pattern either by moving spatially or by causing the pattern to move past the photocell while the photocell remains stationary.

(2) Note.—For a compilation of the many classes where photocell pattern controlled devices such as machine tools, Jacquard looms, etc., are found, see the search notes to class 178, subclass 5.

Search this class, subclass—

219—for optical systems having a pattern and a photocell which senses the pattern.

203. Subject matter under subclass 201 having means for illuminating the photocell in accordance with the relative position of the photo-electric cell and a point, and having means for causing the photo-electric cell to follow the point under the control of said illumination.

(1) Note.—The point may be a star, a search light at the end of a luminous glide path beam or a spot on an instrument.

(2) Note.—The photocell must follow the point, as seen through the associated optical system. However, the photocell itself, or the supporting structure, as a whole, need not follow the point, as in a guided missile which is guided towards a terrestrial target by heavenly bodies sensed by a self-carried photocell guiding apparatus.

Search Class—

318—ELECTRICITY, MOTIVE POWER SYSTEMS, subclass 18+, for electric motor follow-up systems wherein the motor control includes a photocell responsive to a moving light point, and subclass 313 for a system having a rotating standard or other rotating object, a photocell which senses the rotation of said standard or object, and a motor which is controlled by the photocell to cause the photocell to follow the rotation of said standard or object.

346—RECORDERS, subclasses 31 and 32, for photocell systems which control a recorder in accordance with an instrument which operates, free of the mechanical burden of the recorder, in which the pointer of the instrument is sensed and followed by the photocell, which controls the system which drives the recorder and following means.

204. Subject matter under subclass 201 having two optical paths from a source or two sources of illumination to one or more photocells and having means for controlling one or more of the optical paths so that the ratio of light flux which traverses the different optical paths stays constant.

Search this class, subclass—

206+—for similar subject matter having plural photocells in an electric circuit which does not control the illumination reaching the photocells.

220—for photocell illuminating systems having plural light paths to one or more photocells.

205. Subject matter under subclass 201 having means for controlling the intensity of the light source which illuminates the photoelectric cell in accordance with the illumination which falls upon the photoelectric cell.

(1) Note.—There may or may not be means between the light source and the photoelectric cell, which variably divert or absorb the light which passes from the light source to the photoelectric cell.

(2) Note.—The light source whose intensity may be controlled may be an electric light, a gas flame, or any other source of light.

To complete the search for this subject matter, Search Class—

315—ELECTRIC LAMP AND DISCHARGE DEVICES, SYSTEMS, subclass 151, where the source of illumination is an electric lamp or gas or vapor discharge device, the photocell controls the electrical condition or electrical characteristics of the source of illumination and there is no significant optical structure in the optical path between source of illumination and photocell.

206. Subject matter under subclass 200 in which the photocell controls an electrical or electro-mechanical system.

(1) Note.—In order to be classified in this and indented subclasses, the electrical or electro-mechanical system should be significant. It is significant if it is recited in the claims more specifically than by name only, or if it is disclosed as being non-conventional.

Search this class, subclass—

217—for the electrical system which supplies, energizes, or controls the light source, in combination with the photocell. The electrical system in this case precedes the photocell in line of control.

207. Subject matter under subclass 206 in which the photocell has plural electrodes, one or more of which is photoemissive, and in which secondary emission takes place.

(1) Note.—Secondary emission is the emission of electrons from a material when bombarded by primary electrons. The secondary emission may take place at the photoelectric cathode or at one or plural other electrodes.

208. Subject matter under subclass 206 in which the photocell has plural photosensitive or plural non-photosensitive electrodes or in which plural photocells control the electrical or electro-mechanical device.

Search this class, subclass—

204—for photocell systems having plural optical paths which terminate at plural photosensitive electrodes and in which the optical paths are controlled by the photosensitive electrodes to balance the light flux in the plural paths.

207—for photocell systems in which the photocell has plural electrodes, some of which act as secondary emitters.

209. Subject matter under subclass 208 in which the plural photosensitive electrodes, non-photosensitive electrodes or photocells are in a common electric circuit.

(1) Note.—Two photosensitive elements are not deemed to be in a common electric circuit merely because they are energized by a common power source.

210. Subject matter under subclass 206 in which the photocell is in a bridge circuit or in a push-pull circuit.

Search this class, subclass—

209—for bridge circuits having plural photocells, plural photosensitive electrodes or plural non-photosensitive electrodes.

211. Subject matter under subclass 206 in which the photocell has characteristics which are sufficiently unique to be stated in the claims.

(1) Note.—For a compilation of the classes which provide for photocells per se, see (7) Note to subclass 200 of this class.

212. Subject matter under subclass 211 in which the photocell transforms the incident light energy into electrical energy.

(1) Note.—Photocells found in this subclass are commonly known as photovoltaic or photronic cells. They are to be distinguished from photocells which do not generate electrical energy but merely control it.

(2) Note.—Selenium cells are made in both self-generating and variable resistance forms.

Search Class—

136—BATTERIES, subclasses 4+ and 89, for the structure of generating type photocells.

201—RESISTANCES AND RHEOSTATS, subclass 63+, for the structure of variable resistance type photocells.

218. Subject matter under subclass 211 in which the photocell has a fluorescent screen which is excited by electron bombardment under the control of the incident illumination, so that there is a correspondence between incident illumination and fluorescent screen light output.

(1) Note.—This subclass includes some patents in which the electrical supply for the light amplifier is pulsed, so that the light amplifier may be used as a stroboscope.

To complete the search for this subject matter, search this class, subclass—

83.3+—for light amplifiers which detect only special rays, such as neutron rays, gamma rays, infra-red rays, etc.; for example, the "Sniperscope". Where the light amplifier detects both light and special rays and is not provided with means to enhance response to special rays or diminish response to light rays, the subject matter is classified in this subclass (213).

214. Subject matter under subclass 206 having a space discharge tube electrically connected to the photocell.

To complete the search for this subject matter, Search Class—

315—ELECTRIC LAMP AND DISCHARGE DEVICES, SYSTEMS, subclass 10+, for photocell circuits in which the photocell controls a cathode ray tube, or in which the photocell is part of a cathode ray tube, and subclass 140+ for photocell circuits in which the photocell controls a lamp or gas or vapor discharge device.

215. Subject matter under subclass 200 in which the photocell is built into a device specific to an art other than the photocell art, and in which the utility of the art device is not destroyed by removal of the photocell.

(1) Note.—As an example, a refrigerator which is provided with a photocell controlled defrosting device, in which the photocell senses excessive frost, is found in this subclass, if within the definition of superior subclass 200, since the photocell is (1) built into the refrigerator which (2) is an art device and which (3) has utility if the photoelectric cell is removed. Generally, the patents in this subclass are cross references as there are few art devices which are not elsewhere provided for.

216. Subject matter under subclass 200 having means for illuminating photoelectric cell.

(1) Note.—The means for illuminating the photoelectric cell should be significant, and if conventional and claimed by name only, is not found in this and indented subclasses.
(2) Note.—The means for illuminating the photocell need not be a specific light source, but may be the ambient illumination.

217. Subject matter under subclass 216 having a specific light source whose nature is significant to the combination, or having non-optical means for controlling the intensity of the light source.

(1) Note.—Specific light sources found in this subclass include; flames in furnaces, cathode ray tubes, manometric flames, incandescent work pieces, headlights of meeting automobiles, spectroscopic arcs, electric lights flickering according to line voltages, photoflash lamps and signal lamps.
(2) Note.—This subclass does not include specific light sources which are conventional, such as electric lamps or heavenly bodies, unless the light source is significant to the combination, as when the light source varies in intensity in accordance with a physical quantity being measured, such as ambient temperature, or when a particular band of solar radiation is used to illuminate the photoelectric cell.

Search this class, subclass—
201+—for a light source which illuminates and is controlled by a photocell. In indented subclass 203 are located photocells, which follow the movement of a specific light source by means of follow up means. In indented subclass 205 are located photocells which control the intensity of the light sources which illuminate them.
329+—for a photocell combined with a light source whose apparent (as contrasted with real) intensity is controlled optically.

218. Subject matter under subclass 216 having a fluent material in the optical path between light source and photocell.

(1) Note.—The fluent material need not be fluid but must flow, as for example, a pulverulent grain or powder.
(2) Note.—Since all photocell apparatus is situated in an ambient atmosphere, air is not normally considered a significant fluent material, even when it acts to cool by convection. However, if a characteristic of the air is measured or controls apparatus, air is considered significant.

Search this class, subclass—
238—for photocell apparatus provided with cooling means, which may include fluent material jackets.

219. Subject matter under subclass 216 having a web, strand, or record in the optical path between light source and photocell.

(1) Note.—The term record includes mathematical curves and graduated scales.
(2) Note.—For a compilation of the many classes where photocell pattern controlled devices such as machine tools, Jacquard looms, etc., are found, see the search notes to class 178, subclass 5.

Search this class, subclass—
202—for a photocell combined with a record, where the photocell senses and follows a pattern or line on the record.

Search Class—
84—MUSIC, subclass 1.18, for a photocell which senses a record upon which musical tones are recorded.
178—TELEGRAPHY, subclass 6+, for a photocell which senses a record which is to be transmitted over a communication circuit to a point where the record is to be reproduced; e. g., television.
179—TELEPHONY, subclass 100.3+, for a photocell which senses a record upon which sounds are recorded.

220. Subject matter under subclass 216 having plural light sources, plural photocells, or plural optical paths between one light source and one photocell.

(1) Note.—A light path which is moved, as in scanning, is not deemed to constitute plural light paths. A light path which stays in substantially the same place but changes in character with time is not deemed to constitute a plural path.

Search this class, subclass—
204—for similar subject matter where the photocell adjusts the photocell system so as to maintain the ratio of light flux in the plural paths constant.
206+—for electric circuits having plural photocells or photosensitive elements.

221. Subject matter under subclass 216 in which the optical path between the light source and the photocell is directly affected by an object which is movable with respect to, is not part of, and is not continuously associated with the photocell device.

(1) Note.—The ultimate object being sensed must directly affect the light beam, and not indirectly through the medium of a linkage, shutter or other instrumentality. Further, the object must be one which is independent of the photocell apparatus in the sense of being non-integral with it and having an independent existence of its own, regardless of the existence of the photocell apparatus.
(2) Note.—Examples of such objects are animate objects such as horses on a race track, human beings entering doors, animals in traps, or inanimate objects such as plants being cultivated, work pieces being gaged, paint samples being tested.

Search this class, subclass—
217—for similar subject matter where the article is incandescent and illuminates the photocell.
231—for similar subject matter where the article indirectly affects the photocell.

222. Subject matter under subclass 221 in which the object is an inanimate article.

223. Subject matter under subclass 222 having means for carrying the inanimate article into, or out of, or through, a location where the article will affect the optical path between the light source and the photocell.

(1) Note.—The conveyor may stop while the article is being sensed.
(2) Note.—Examples of conveyors are railroad cars on tracks and gravity operated chutes.

Search this class, subclass—
218—for similar subject matter, where the object is fluent or pulverulent and is conveyed to the sensing point.
219—for similar subject matter, where the object is a web which is conveyed to the sensing point by web conveying means.

224. Subject matter under subclass 222 having means for causing relative movement between the inanimate article and the light ray while the article is in the light path between light source and photocell.

(1) Note.—The motion referred to above is one above and beyond that required to bring the object into the testing or sensing station. During sensing, either the object, light source, photocell or some other part of the optical system may move.
(2) Note.—As an illustrative example, this subclass includes camera shutter photocell sensing devices, where the camera shutter opens and closes while in the light beam, and roller photocell sensing devices, where the roller is rotated while being sensed for size.

Search this class, subclass—
223—for similar subject matter where the inanimate article is moved through the sensing station by a conveyor.

225. Subject matter under subclass 216 having a polarizer in the optical path between light source and photocell.

Search Class—
88—OPTICS, subclass 65, for polarizers per se.

226. Subject matter under subclass 216 having optical means for acting unequally upon different frequencies of radiation in the optical path of light from a light source to the photocell.

(1) Note.—Examples of such optical means, found in this subclass, are diffraction gratings, dispersion prisms and visible light filters.

To complete the search for this subject matter, search this class, subclass—
83.3+—where the photocell is provided with means to enhance response to invisible radiant energy or diminish response to visible radiant energy; e. g., an ultra-violet filter.

Search this class, subclass—
211—for similar subject matter, where the photocell has inherent selective color sensitivity.
239—for photocells which are provided with cooling means to absorb infra-red rays.

227. Subject matter under subclass 216 having a light conducting transparent rod which forms part of the optical path between light source and photocell.

228. Subject matter under subclass 216 having an integrating sphere in the optical path between light source and photocell.

(1) Note.—An integrating sphere is a hollow body having an interior of highly light reflecting but also diffusing material, and having relatively small openings in the shell of the hollow body to admit light. It has the property of raising the interior illumination to a level which depends only upon the amount of light flux entering the openings and not upon the specularity or diffusion of that incident light flux.

229. Subject matter under subclass 216 having means in the optical path between light source and photocell for varying the amount of light which reaches the photocell.

(1) Note.—In this subclass, the means for varying the amount of light which reaches the photocell is always a part of, or is continuously associated with the photocell device, and is not an object which has an independent existence of its own. Devices found in this and indented subclass comprise, for example, keyboard operated shutters which variably permit a light source to illuminate a photocell, iris diaphragm and optical wedges.

Search this class, subclass—
221+—for similar subject matter in which the light path between light source and photocell is directly affected by an object which is not part of the photocell apparatus and has an independent existence of its own.
231—for similar subject matter comprising relatively stationary hoods, gratings, baffles or diaphragms.

230. Subject matter under subclass 229 in which the optical path between light source and photoelectric cell includes a reflective element, and in which the amount of reflection or the direction of reflection is varied so as to vary the intensity of the photocell illumination.

(1) Note.—Examples of such variable reflecting elements include mirrors which oscillate under the control of a physical quantity and compass cards which have variably reflective markings.

231. Subject matter under subclass 229 in which the means in the optical path between the light source and the photocell for varying the amount of light which reaches the photocell is varied in accordance with an external physical quantity.

(1) Note.—Examples of physical quantities are pressure, weight, force, deflection, length, position, time, voltage, power, magnetic direction, and temperature. The position or condition of a light valve element is not an external physical quantity.

Search this class, subclass—
230—for similar subject matter in which the physical quantity variably adjusts a reflective member which is in the optical path between light source and photocell.

232. Subject matter under subclass 229 having means for intermittently interrupting the optical path between the light source and photocell in a repetitious cyclic sequence.

(1) Note.—A camera shutter is generally not a light chopper of the type found in this class, since it opens and closes in a non-repetitious, non-cyclic manner.

233. Subject matter under subclass 232 in which the means for intermittently interrupting the optical path is a rotary element.

234. Subject matter under subclass 216 having means for moving an element of the optical system.

(1) Note.—Examples of such means are means for adjusting the photocell so that its axis is aligned with the optical axis, a hand crank for adjusting the photocell to sense in a desired direction, or a vehicle upon which the entire photocell apparatus is mounted.

Search this class, subclass—
218—for photocell sensing means in which a fluent material is moved through the optical path between light source and photocell.
219—for photocell sensing means in which a web is fed through the optical path.
223 and 224—for photocell sensing means in which an inanimate object is moved to or from or while in the optical path.
229+—for photocell sensing means having a light valve in the optical path, particularly indented subclass 231, where the light valve is adjusted in accordance with an external physical quantity and subclass 232+ where the light valve continuously moves to chop the light.

235. Subject matter under subclass 234 having means for cyclically moving an element of the optical system in a repetitious path.

(1) Note.—This subclass includes photocell devices having a vibratory scanner. An adjusting means is not deemed a means for providing a repetitious path, since there is no means for ensuring repetition or cycling. A hunting device which follows another element does not cycle, even though the followed element may, during its motion, fortuitously cycle.

236. Subject matter under subclass 235 in which the element of the optical system, which moves in a cyclic path, rotates.

Search Class—
178—TELEGRAPHY, subclass 7.6, for scanning devices, such as Nipkow disks, which are used in television.

237. Subject matter under subclass 216 having a hood, grating, baffle, diaphragm or mask associated with the optical path between light source and photocell.

Search this class, subclass—
229+—for similar subject matter where the means associated with the optical path between light source and photocell are adjustable.

238. Subject matter under subclass 200 having means for controlling the temperature of the photocell apparatus.

(1) Note.—If the temperature of non-photocell apparatus is controlled, search should not be made here, but rather in the non-photocell art concerned.

239. Subject matter under subclass 200 having a housing for the photocell apparatus.

260, Chemistry, Carbon Compounds

in subclass 97, cancel "(2) Note".

establish the following subclass definitions:

97.6. Processes under subclass 97.5 directed to the separation and recovery of the constituents of tallöil (e. g., higher fatty acids, resin acids and sterols).
97.7. Processes under subclass 97.5 directed to the purification and recovery of tallöil or sulfate black liquor and the resulting products.

99.5. Products under subclass 97 which are polymerized.

(1) Note.—This subclass contains, for example, polymerization products of rosin as well as polymerized rosin esters and salts and polymerized hydrogenated rosin and its reaction products.

in subclass 412.5 in "(4) Note", change "97.5" to 97.6.

in subclass 695 under "Search this class, subclass", insert in numerical order:

99.5—for the polymerization of natural resins and their reaction products.

in subclass 705 in "(1) Note", change "97.5" to 97.5+.

273, Amusement Devices, Games

in subclass 101.1, cancel the note and substitute:

Search Class—
240—ILLUMINATION, subclass 6.41, for devices which are combined with or simulate a firearm or other projector and which project a beam of light, either to assist in aiming or to show the point of aim.
250—RADIANT ENERGY, subclass 200+, for photocell electric circuits and photocell apparatus. Indented subclasses 234+ include photocells combined with means to move the optical system from light source to photocell, inclusive.

314, Electric Lamp and Discharge Devices, Consumable Electrodes

in subclass 63, under "(3) Search Classes", cancel the reference to class 250, and substitute:

250—RADIANT ENERGY, subclass 165+, for radiant energy sensitive discharge devices and subclass 200+ for photocell electric circuits and photocell apparatus, particularly subclass 205, where the photocell controls the light source which illuminates it.

315, Electric Lamp and Discharge Devices, Systems

in the class definition under "Search Class", in the reference to class 250, cancel the reference to subclass 41.5, and insert after subclass 87:

200+—is the generic place for photo-electric device circuits. Class 315 provides for systems wherein the ultimate load device in the system is either a lamp or gas or vapor discharge device, and the system includes means for controlling the operation of the load device by means of radiant energy. In Class 315, the load device may be a radiant energy sensitive device; that is, a lamp or discharge device whose operation is altered when subjected to radiant energy, or the system may include a radiant energy sensitive device such as a photocell which controls the operation of the load device.

in subclass 10, under "Search Class", cancel the reference to class 250 and substitute:

250—RADIANT ENERGY, subclass 150, for cathode ray tube structure having a photo-sensitive electrode, subclass 167 for mosaic photo-sensitive electrodes, and subclass 200+ for photocell circuits and apparatus. Indented subclass 217 includes cathode ray devices which illuminate photocells while indented subclass 213 contains cathode ray device of the image converter or light amplifier type.

in subclass 82, under "Search Class", cancel all matter and substitute:

240—ILLUMINATION, subclasses 7.1+ and 41+, for the structure of vehicle head lights and 46.01+ for light projectors having a light dimming screen.

250—RADIANT ENERGY, subclass 200+, for photocell electric circuits and photocell apparatus, in which the photocell may respond to light from the headlights of a vehicle.

in subclass 149, under "Search Class", in the reference to class 250, change "41.5" to *200+*, and after "83.3" insert + and cancel "and indented subclass".

in subclass 151, under "Search Class" insert:

250—RADIANT ENERGY, subclass 205, for a photocell which controls the source of light which illumtnates the photocell.

in subclass 156, add:

Search Class—
250—RADIANT ENERGY, subclass 206+, for miscellaneous electric circuits which are controlled by a photocell.

in subclass 157, add:

Search Class—
250—RADIANT ENERGY, subclass 206+, for miscellaneous electric circuits which are controlled by a photocell.

318, Electricity, Motive Power Systems

in subclass 313, under "Search Class", cancel the reference to class 250 and substitute:

250—RADIANT ENERGY, subclass 200+, for photocell electric circuits and photocell apparatus, particularly indented subclass 201+, where the photocell controls its own optical system, as in a follow-up pattern tracer, and indented subclass 206+, where the photocell controls an electric circuit.

in subclass 480 under "Search Class", cancel the reference to class 250, and substitute:

250—RADIANT ENERGY, subclass 83.3+, for means for detecting or measuring invisible radiant energy such as ultra-violet rays, and subclass 200+ for photocells responsive to visible light combined with electric circuits or photocell apparatus.

322, Electricity, Single Generator Systems

in the class definition, under "G, c. Photo-electric generators", cancel the reference to class 250 and substitute:

250—RADIANT ENERGY, subclass 200+, for photocell electric circuits and photocell apparatus, particularly indented subclass 206+, which contain photocells which energize or control an electric circuit; of these indented subclasses, 212 includes the self-generating (as distinguished from externally energized) type.

in subclass 26, under "Search Class", cancel the reference to class 250, and substitute:

250—RADIANT ENERGY, subclass 200+, for photocell electric circuits and photocell apparatus, particularly indented subclass 200+, where a photocell controls or energizes a circuit; of these indented subclasses, 212 includes photocells of the self-generating (as distinguished from externally energized) type.

323, Electricity, Voltage Magnitude and Phase Control Systems

in subclass 21, under "Search Class", cancel the reference to class 250, and substitute:

250—RADIANT ENERGY, subclass 83+, for means for detecting and measuring invisible ray energy (such as X-ray or infra-red) and subclass 200+ for photocell circuits and photocell apparatus, of which indented subclass 206+ includes photoelectrically controlled circuits.

332, Modulators

in the class definition, under "II. A. 5. Modulator With Specific Intelligence Source", cancel the reference to class 250 and substitute:

250—RADIANT ENERGY, subclass 200+, for miscellaneous modulators with a photoelectric intelligence source where significant optical means for controlling or guiding the light impressed on the photocell is claimed. Class 332 provides only for modulators with photoelectric intelligence sources where no optical structure is claimed. Under class 250, subclass 200, are indented subclass 206+, where the photocell is combined with significant circuit structure, and may or may not have significant optical structure, and subclass 216+ where the photocell is combined with significant optical structure. Subclass 83.3+ of class 250 provides for subject matter analogous to that in class 250, subclass 200+ where the ray energy for the photocell is X-rays, neutrons, ultra-violet light, etc.

under "VI Related Art. Signals, Indicators, Meters and Testing Involving Modulation, Search Class", in the reference to class 250 Radiant Energy, change "subclass 41.5" to read *subclass 200+*.

under "VII Index to Classes Referred to in Preceding Sections", under class 250, Radiant Energy, cancel "photocell controlled modulator, sub. 41.5, II, A. 6" and "photo-sensitive circuit, sub. 41.5, VI", and add (immediately following "Special ray controlled modulator, subs. 83.3+, II, A, 5") the following:

photocell controlled modulator, sub. 200+, II, A, 5.
photosensitive circuit, sub. 200+, VI.

in subclass 3, under "(1) Note", change "subclasses 41.5 and 83.3+" to *subclasses 83.3+ and 200+*.

343, Communications, Radiant Energy

in the main class definition, under "Search Class", in the reference to Class 250, change "subclass 41.5" to *subclass 200+*.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,453,401. LIVE JUMP ROLL. Patented Nov. 9, 1948. A live jump roll constructed as a portable unit may be installed in conveyor or article-handling systems in factories, plants, etc. The device is embodied in a power-driven roll mounted on a portable frame. A transverse member in base of frame carries an air cylinder for raising the roll. The piston in the cylinder engages the ends of a pair of levers supporting vertically movable posts upon which bearings for the roll are mounted. When air pressure is admitted to the cylinder, the action of the piston upon the levers raises the posts and elevates the roll into contact with the article to be moved. The operator has complete control by control buttons for the motor and a remote control for the air valve in the cylinder. (Owner) Hiram O. Beeching, P. O. Box 752, South Bend, Wash. Groups 35—62; 36—19. Reg. No. 19,488.

Pat. 2,454,467. BATTERY CONNECTOR AND FUSE. Patented Nov. 23, 1948. A combination fuse and binding post connector. Clips on spaced fuse blocks support a fuse. The block and cap piece are hinged together and provide a fused coupling between the binding post and lug. Springs attached to extension and cap hold the fuse blocks in alignment after being forced therein and until the holder is forcibly tilted back to its unloosened position. (Owner) C. Edward Storck, Jr., Lutherville, Md. Group 36—11. Reg. No. 19,489.

Pat. 2,452,718. CUTTING TORCH HOLDER. Patented Nov. 2, 1948. An adjustable attachment for standard torch heads for accurately guiding the torch in circles of any desired diameter which requires a single center punch mark to establish its location. An arcuate radius arm pivoted to a gear aligns with scale markings on bottom plate of housing. A center post extending downwardly from the gear has a foot member which extends inwardly toward the flame tip. To flame-cut a hole, the arm is swung outwardly until the indicating extremity aligns with the proper scale marking on the bottom plate and a center punch indentation is formed on the plate to be cut. (Owner) Harry Blythe, 1550 Lafayette St., Denver 6, Colo. Group 35—42. Reg. No. 19,490.

Pat. 2,419,818. MEASURING GAUGE FOR MACHINE TOOLS. Patented Apr. 29, 1947. A dial indicator for measuring cuts for lathes and other machines. The measuring gauge shaft rotates in a housing. A gear wheel attached to the shaft engages a lead screw on a machine. Pointer disks extending toward the measuring scale on the dial are adjustable by a thumb screw. A ring with a vernier scale encircles the dial end of indicator housing and may be locked in any position by a split ring and screw. This scale used in conjunction with the scale on the dial permits movement of the lathe carriage and cutting tool to be measured. When the lead screw is turning; the gauge functions as a threading indicator. When the lead screw is stationary, the gauge functions as a device for measuring length of cut. A manually operated knob at end of shaft prevents play between the gear wheel and driving means. (Owner) Walter E. Burton, 1032 Florida Ave., Akron 14, Ohio. Group 35—43. Reg. No. 19,491.

Pat. 2,456,266. DRUM GRINDING MILL WITH DISCHARGE OPENINGS IN THE LINER. Patented Dec. 14, 1948. When this drum is rotated, self-crushing of the ore is effected without the use of any foreign crushing media. Crushed particles fall through peripheral outlets in drum onto a spaced peripheral screen, which rotates with drum. Oversize particles are automatically returned to drum interior for re-grinding. The entire inner periphery of drum is surrounded by a resiliently mounted segmental liner, with the space between adjacent segments forming discharge outlets registering with drum outlets. When drum is rotated, the shelves of the segments lift material and dump it back onto other segments to provide crushing effect. The falling material striking the segments compresses the mounting (which consists of rubber) so that rebound of the segments will effect a secondary crushing blow. The segments are loosely connected to the drum so that rotation of drum will impart limited sliding movement to the segments to prevent clogging of the outlets. (Owner) G. B. & S. Mill, Inc., Suite 818, Larson Bldg., Yakima, Wash. Group 35—33. Reg. No. 19,492.

Pat. 2,451,190. STUD WELDING GUN. Patented Oct. 12, 1948. With this gun an accurate arc length may be consistently maintained when making successive stud welds regardless of non-uniformity of the surfaces to which the studs are to be welded. A tubular supporting leg carrying a base plate on its lower end is slidably mounted in gun frame and normally urged outwardly by a spring. When gun is moved to project a stud against the work, operator depresses a vertical rod with his thumb to free the leg so that it will automatically adjust itself to bring the base plate into operative position against the surface of the work as the stud holder is yieldably retracted a limited distance within gun. When retraction of stud holder is arrested by a dog engaging an adjustable stop, operator releases the rod to lock and maintain the leg in adjusted position during welding operation. Energization of a solenoid disengages dog from stop and retracts stud holder and stud to create the arc. De-energization of solenoid permits stud holder to project stud against the work. If desired, an arc shield may be used instead of the base plate. (Owner) Frank W. Anderson, P. O. Box 22, North Weymouth, Mass. Groups 35—42; 36—19. Reg. No. 19,493.

Pat. 2,453,825. TAILSTOCK LATHE FOR DRILLING. Patented Nov. 16, 1948. A tailstock attached to the bed of a metal-working lathe to drill an internal hole while the surface of the workpiece is being finished. The cuttings are disposed of through openings in a slidable sleeve which houses the drill shaft. Modification is given. (Owner) Samuel Bailey Wright. Correspondence to Mawhinney & Mawhinney, 444 Munsey Bldg., Washington 4, D. C. Group 35—43. Reg. No. 19,494.

Pat. 2,448,619. AUTOMATIC ELECTROMAGNETIC AUTOMOBILE DOOR EMERGENCY LATCH. Patented Sept. 7, 1948. A latching device for automobile doors automatically locks the doors when the car is moving. A control replaces the filler plug in the differential housing and automatically throws the switch to lock the doors when the car is in motion. The switch is operated by a cork block in close proximity to the ring gear. The device can be attached to any automobile without material alterations. (Owner) Edward L. Pratt, 210 North 4th St., Pekin, Ill. Groups 36—41; 38—31. Reg. No. 19,495.

Pat. 2,454,860. PORTABLE ELEVATOR FOR LOADING TRUCKS. Patented Nov. 30, 1948. A power-driven loading device constructed of light-weight metal is easily movable or may be clamped to a truck while loading. A base frame has front and rear retractable skids. An adjustable boom is secured to the top of a vertical frame over which an endless conveyor travels for elevating and distributing material to be loaded. Supporting members attached to the boom have rollers which engage channels in the vertical frame. Cables run on pulleys secured to the side channels of the central frame, and their ends are secured to manually rotatable drums. Rotation of the drums raises or lowers the supporting members and also the boom. (Owner) James R. Clark, P. O. Box 1106, Mobile 6, Ala. Group 35—62. Reg. No. 19,496.

Pat. 2,456,869. HYDRAULIC PULSATOR SYSTEM. Patented Dec. 21, 1948. Comprises a pair of cylinders within one of which is arranged a series of normally spring-expanded hollow cells, longitudinally displaceable within the cylinder. Second cylinder of the pair contains a series of like cells, devoid of springs so that a plunger will maintain them collapsed. Individual fluid supply lines are connected to each series of cells and to heads at opposite ends of a single fluid supply line connected to a reservoir. The expanded cells are normally filled with fluid so that when they are contracted by depressing a plunger the fluid is expelled into the other cells to expand them and thrust their plunger outwardly. (Owner) Clarence E. Fowler, 6315 Willoughby Ave., Hollywood 38, Calif. Group 35—61. Reg. No. 19,497.

Pat. 2,459,031. THREE-WAY RUPTURE TRUSS APPLIANCE. Patented Jan. 11, 1949. Adjustable truss appliance holds rupture in place without pushing it back into the body. The inner face of an oblong pad carrying a removable rubber hood is slightly concaved so that pad will fit directly over ruptured spot. An adjustable resilient belt is provided by connecting the opposed ends of a pair of cushioned bands to opposite sides of a rectangular link seated in a recess in the back of the pad, and adjustably connecting other ends of bands. An adjustable understrap has one end connected to the lower end of the link and opposite end connected to a buckle on the lower end of a resilient strip depending from lower edge of belt. (Owner) J. A. Kiser, Hungerford, Pa. Group 39—16. Reg. No. 19,498.

Pat. 2,260,901. ELECTRIC SWITCH. Patented Oct. 28, 1941. Electromagnetically operated switch effects automatic change-over from one set of contacts that closes one circuit to another set of contacts that closes another circuit after an interval of time. A movable contact-carrying switch on which a row of bridge contacts are mounted is supported on pivoted links to a movable portion of an electromagnet so that when in "off" position it may swing laterally. Contacts supported on a fixed member of the device may be selectively bridged to complete either of two electric circuits. When in normal position, the movable switch is attracted by the electromagnet and bridges the contact of one circuit. A thermostatic switch breaks the circuit of the magnet shifting the movable contact into "off" position to complete the second circuit, etc. (Owner) Bernard Hinks, Mar-y-dene, Ashmore Lake, Short Heath, Willenhall, Staffordshire, England. Group 36—19. Reg. No. 19,499.

Pat. 2,454,451. ELECTROMAGNETIC SWITCH. Patented Nov. 23, 1948. Motor-starting switch of simplified construction. Comprises a magnetic coil and a divided magnetic yoke, one part of which carries contacts which move against other contacts on the switch frame on energization of the coil. The yokes also move against each other to open the coil circuit or prevent its closing when the contacts are badly worn. One purpose of the construction is to eliminate the possibility of endangering a motor controlled by the switch. Other purposes are to reduce pressure on the contacts, as well as prevent arcing and burning and thus increase their life. (Owner) Bernard Hinks, Mar-y-dene, Ashmore Lake, Short Heath, Willenhall, Staffordshire, England. Group 36—19. Reg. No. 19,500.

Pat. 2,269,740. PROCESS FOR PRODUCING ORNAMENTAL MULTICOLORED RAISED DESIGN. Patented Jan. 13, 1942. An outline of any desired design is cut through a thin layer of white wax which has been spread over the surface of a metal plate. Molten crayon is then applied to the wax surface within the confines of the outline by a continuously heated tool, a different colored crayon being used for each adjacent portion of the design. (Owner) Benjamin Schwartz, 1601 Schenectady Ave., Brooklyn 3, N. Y. Group 39—53—61—71—72—93. Reg. No. 19,501.

Pat. 2,459,048. MOLD INJECTION HEAD. Patented Jan. 11, 1949. This patent presents a device which simultaneously injects materials of different color such as molten glass or metals and alloys into a mold. Reservoirs containing primary colors of the material are supported on a casting having radial chambers which communicate with the reservoirs and a central opening. Secondary colors may be produced by mixing the primary colors in branch passages provided for that purpose before the material reaches the central opening. In operation, the material passes downwardly into its respective channels where it is compressed and liquified (if necessary) by the slidable plungers before measured quantities of the material are extruded into the mold. (Owner) Benjamin Schwartz, 1601 Schenectady Ave., Brooklyn 3, N. Y. Groups 32—39—69; 33—52; 39—54—61—98. Reg. No. 19,502.

Pat. 2,443,769. TOOTHBRUSH STERILIZING TUBE. Patented June 22, 1948. A face plate carrying a number of individual toothbrush containers is secured to a base plate which includes a compartment for a germicidal preparation. A filling and draining bowl having communication with the base compartment is provided on the face plate. Sterilization of the brushes is accomplished by circulation of fumes which enter the containers through openings leading from the base. Spring-pressed closures are provided for each of the containers to insure a liquid- and gas-tight seal. (Owner) Eugene J. Huber, 3312 Washington Ave., New Orleans 13, La. Groups 39—17—22—81; 40. Reg. No. 19,503.

Pat. 2,453,473. STOVE FLUE COVER. Patented Nov. 9, 1948. Removable flue closure for stoves is hinged in a position to prevent soot from falling to floor when the flue is being cleaned. Substantially rectangular closure has offsets at each end which form shoulders and fit looped catches in stove wall. When flue is to be cleaned, the closure is taken off and inverted so that slots on the lower part of closure will fit notches in stove wall provided for this purpose. In this inverted position, the closure is slid downwardly until it rests on bottom edge of flue opening so that the closure is supported in a horizontal position

forming an apron. (Owner) Catherine H. Thieman, 417 Oneida St., Beaver Dam, Wis. Groups 33—62; 34—95. Reg. No. 19,504.

Pat. 2,458,602. SNOW PROTECTOR FOR SKIS. Patented Jan. 11, 1949. Protective attachment prevents ice and snow from building up between ski and shoe worn by skier. A plate in the shape of a shoe sole is screwed to the ski runner. A fleece-lined and waterproof upper attached to the plate encloses the skier's shoe and provides a heel portion which may be freely extended or collapsed in bellows fashion. Adjustable straps at toe and heel hold the protector firmly in place. (Owner) George Johnson, P. O. Box 642, Ironwood, Mich. Group 39—49. Reg. No. 19,505.

Pat. 2,447,199. TOGGLE LINK OPERATED HAND CLAMP. Patented Aug. 17, 1948. Tool to clamp sheet metal patterns on material to be marked for cutting and other purposes. Two elongated plates bolted in facing contact with each other are shaped to form fixed laterally projecting jaws and handle. An arm having an adjustable jaw and pivoted to complemental recesses cut in the plates is adapted for movement into and out of clamping relation with the fixed jaws. An auxiliary handle is pivoted at one end of the recesses to the arm by an L-shaped link. In operation, upon movement of the auxiliary handle toward the first handle, the links pull the arm upwardly to close the jaw against the work, or when moved in an opposite direction move the arm downwardly to release the movable jaw. (Owner) Edward F. Miller, 4859 West Haddon Ave., Chicago 51, Ill. Group 35—43. Reg. No. 19,506.

The following five patents are offered for license or sale by Samuel Reich, 15 Kermit Place, Brooklyn, N. Y.

Pat. 1,985,579. FOLDING EGG BOX. Patented Dec. 25, 1934. Rectangular cardboard blank is cut and scored to provide an egg carton. The blank includes T-shaped extensions on transverse partitions which interlock with the bottom wall and extend to provide spaced feet which are further braced by tongues cut from the bottom wall that bear against the extensions. A central insert interlocks with the slot of the transverse partitions and, being of greater height than the partitions, prevents the cover from caving. When the cover is swung closed, and the locking flap is engaged with the shoulders that extend inwardly from the front wall, a semi-rigid carton is provided. Group 26—61—62. Reg. No. 19,507.

Pat. 2,071,949. BOX. Patented Feb. 23, 1937. Tray or dish type box used in the sale of moist loose foods. Single blank is folded to provide a continuous bottom and side wall structure having leak-proof corner joints. Upstanding walls are joined by foldable corner webs. Flaps provided along the top edge of each wall are bent down and the central portion secured by staples or other fastening arrangement, preferably during manufacture. The webs are folded flat against the walls and received in the free ends of the flap to avoid accidental opening. Before use, the boxes may be stacked flat. Group 26—61—62. Reg. No. 19,508.

Pat. 2,097,893. CONTAINER. Patented Nov. 2, 1937. Paper cup includes a handle which nests with the cup. Blank is cut to provide two radial edges (one of which includes the handle) and outer and inner arcuate edges. The inner edge has a series of triangular tongues which form a segmental base when the cup is assembled. The blank is scored so that it may be folded to form a bead on rim of outer edge of cup and to provide a channel on the inner edge. The channel receives the depending edge of a disk, which, when the two radial edges are firmly glued together, forms a solid base and renders the cup leak-proof. Group 26—61—62. Reg. No. 19,509.

Pat. 2,117,502. FOLDABLE CONTAINER. Patented May 17, 1938. This patent presents a one-piece rectangular box which may be opened out full length to permit easy packing as well as disclose the contents. With the exception of a strap handle, the box is made of a single cardboard blank. Handle is made of cardboard reinforced with stitching and is held in place in slits provided in the box. Group 26—61—62. Reg. No. 19,510.

Pat. 2,165,906. FOLDING BOX. Patented July 11, 1939. One-piece foldable hexagonal box has two edges of its bottom connected on opposite sides to a series of side walls. The center of bottom wall is creased for folding, and collapses between the side walls. The box is completed by webs which connect the remaining sides of the bottom wall. The webs consist of an attaching section and a folding section. The attaching sections are coated with an adhesive so that they may be glued flat to the corresponding side walls when box is in open position. Group 26—61—62. Reg. No. 19,511.

Pat. 2,439,629. MULTIPLE THERMOCHEMICAL CUTTING ATTACHMENT. Patented Apr. 13, 1948. Attachment to be secured to the torch bar of a thermochemical cutting apparatus will hold a variable number of cutting torches in various adjusted positions to enable an operator to perform simultaneously several longitudinal cuts on large sections of work. Attachment consists of a tubular extension member (of similar separable sections) carrying a bracket on one end to be clamped to torch bar anywhere along its length, and a plurality of separate identical spacer members to be adjustably clamped to extension member anywhere along its length to hold torches. The bracket is designed so that it may be clamped to torch bar by simply tightening a thumb screw carried by bracket. The spacer members each carry a split clamp on one end to secure them to extension member. A torch is slidably retained in a transverse bearing at the outer free end of each spacer member in a manner so that torch may be vertically adjusted to various positions by turning a thumb nut. (Owner) Stewart N. Libby, 5523 West Cullom Ave., Chicago 41, Ill. Group 35—43. Reg. No. 19,512.

Pat. 2,451,634. INK FOUNTAIN FOR PAINTING PRESSES. Patented Oct. 19, 1948. In this patent the usual flexible steel blade adjacent a duct roller is mounted on a cross member pivoted to press frame. Threaded non-rotatable studs along the underside of the blade are provided for engaging internally threaded hollow pins in the cross member. These pins are restrained from axial movement so that they may be turned to variably adjust the blade along its length. Once the blade has been set in adjusted position for a particular job, the cross member and blade may be swung as a unit to open and close the ink duct without the necessity of re-adjusting the blade. An adjustable stop is provided on press frame to limit closing movement of cross member and blade. (Owner) Arthur W. Ranger. Correspondence to John Imirie, Munsey Bldg., 1329 E St., N. W., Washington 4, D. C. Group 35—55. Reg. No. 19,513.

Pat. 2,453,605. INDOOR GOLF PUTTING PRACTICE APPARATUS. Patented Nov. 9, 1948. Golf putting practice apparatus consists of a framework having a forwardly inclined top surface so that the front end may be slipped beneath a rug. A rear top board covered with fabric may be tiltably adjusted so that its front surface will lie flush with top of rug. A rope extending transversely through rear end of framework has weights on its free ends. These weighted ends of rope may be placed so that they extend outwardly and forwardly at an angle on opposite sides of framework to prevent misdirected balls from rolling about the room. (Owner) Leon C. Thomas, 715 Northridge St., Greensboro, N. C. Groups 39—49; 40. Reg. No. 19,514.

Dedicated Patents

The following three patents, bearing Reg. No. 2,713, Reg. No. 2,715, and Reg. No. 2,717 respectively, are removed from the listing of patents which are available for license or sale and are hereby dedicated by the Hercules Powder Company, of Wilmington, Del., to the public of the United States of America. The right is granted to "make, to use, and to sell to others to be used" these inventions, without compensation to the Hercules Powder Company.

Pat. 2,322,197. ROSIN BASE RESIN. Patented June 15, 1943.

Pat. 2,344,194. ROSIN BASE RESIN. Patented Mar. 14, 1944.

Pat. 2,347,923. VARNISH COMPOSITION. Patented May 2, 1944.

These patents have as their main objective the production of high grade coatings, such as varnishes, lacquers, and the like, in which all, or some, of the oil used is of the soft-drying type, such as linseed oil. The resultant coatings have all the desirable characteristics and are comparable with high grade coatings prepared with the fast drying oils, such as tung oil, etc. Group 28—11.

Correction

In the Register of Patents Available for Licensing or Sale section of the OFFICIAL GAZETTE for April 26, 1949, the following changes should be made in the listing of patents offered for license by Kinetic Chemicals, Inc.:

Reg. No. 19,384 of Pat. 2,024,095 should read Reg. No. 19,384½.

Reg. No. 19,385 of Pat. 2,047,210 should read Reg. No. 19,385½.

Reg. No. 19,386 of Pat. 2,058,453 should read Reg. No. 19,386½.

Reg. No. 19,387 should read—

Pat. 2,062,743. PRODUCTION OF FLUORINE-CONTAINING CARBON COMPOUNDS. Patented Dec. 1, 1936. Production of halogenated carbon compounds by reacting HF with a compound containing at least one cyclic carbon atom having attached thereto at least one hydrogen atom and at least one halogen atom other than fluorine. Group 28—89. Reg. No. 19,387½.

Reg. No. 19,388 of Pat. 2,068,005 should read Reg. No. 19,388½.

Reg. No. 19,389 of Pat. 2,084,950 should read Reg. No. 19,389½.

Reg. No. 19,390 of Pat. 2,146,725 should read Reg. No. 19,390½.

Reg. No. 10,391 of Pat. 2,140,884 should read Reg. No. 10,391½.

Reg. No. 19,392 of Pat. 2,149,039 should read Reg. No. 19,392½.

Reg. No. 19,393 of Pat. 2,192,143 should read Reg. No. 19,393½.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 17, 1949

[VOL. 622. NO. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 507,194. MAURICE LANDON, doing business under the name of Parfums Saint-Cyr, New York, N. Y., and Paris, France. Filed Aug. 10, 1946.

TOUJOURS OU JAMAIS

FOR PERFUMES, TOILET WATERS, COLOGNES, FACE POWDER, LIPSTICKS, AND ROUGE.
Claims use since 1926.

Ser. No. 507,196. MAURICE LANDON, doing business under the name of Parfums Saint-Cyr, New York, N. Y., and Paris, France. Filed Aug. 10, 1946.

HOMME DE PARIS

The word "Paris" is disclaimed apart from the mark.
FOR PERFUMES, TOILET WATERS, COLOGNES, FACE POWDER, LIPSTICKS, AND ROUGE.
Claims use since 1926.

Ser. No. 508,206. AVON PRODUCTS, INC., New York, N. Y. Filed Aug. 29, 1946.

DEVOTEDLY YOURS

FOR PERFUMES.
Claims use since June 20, 1946.

Ser. No. 515,200. BARKER, MOORE & MEIN COMPANY, Philadelphia, Pa. Filed Jan. 6, 1947.

CE-COX

The name "Cox" is disclaimed.
FOR COMPOUND FOR TREATING DISEASES OF POULTRY.
Claims use since Dec. 31, 1946.

Ser. No. 523,108. YOSEMITE CHEMICAL COMPANY, San Francisco, Calif. Filed May 27, 1947.

ANTI-RUST TWINS

The words "Anti-Rust" are disclaimed apart from the mark.
FOR CHEMICAL PREPARATIONS FOR THE REMOVAL AND PREVENTION OF RUST.
Claims use since Oct. 2, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 517,465. ENJAY CONSTRUCTION COMPANY, Chicago, Ill. Filed Feb. 14, 1947.



The letter "T" and the words "T-Hangar That Tops Them All" are disclaimed.
FOR AIRPLANE HANGARS.
Claims use since Feb. 4, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 484,300. CARGAIR, INC., Los Angeles, Calif. Filed June 11, 1945.

CARGAIR

FOR TIE-DOWN EQUIPMENT—NAMELY, CARGO TIES, METAL BANDS, STRAPS, AND CLAMPS.
Claims use since May 5, 1945.

Ser. No. 513,095. MANUEL BERGMAN, doing business as C S Brass Manufacturing Co., New York, N. Y. Filed Nov. 23, 1946.



FOR BRASS PIPE FITTINGS—NAMELY, SLEEVE, NUT, UNION, THREE WAY T, TWO WAY ELBOW,

FEMALE CONNECTOR, MALE CONNECTOR, MALE ELBOW, FEMALE ELBOW, TWO WAY T, ADAPTER, T, PLUG, SLOTTED PLUG, PUSHING ELBOW, STREET L, COUPLING, CLOSE NIPPLE, REDUCER, LONG NIPPLE, CONNECTOR, INVERTED MALE CONNECTOR, INVERTED NUT, INVERTED MALE ELBOW, CARBURETOR NUT, PIPE ADAPTER, REDUCING ADAPTER, DOUBLE MALE COCK, DRAIN COCK, COMPRESSION COCK, S. A. E. COCK, DOUBLE FEMALE COCK, AND THREE WAY COCK.
Claims use since June 1935.

CLASS 19

VEHICLES

Ser. No. 506,708. THE UNION METAL MANUFACTURING COMPANY, Canton, Ohio. Filed Aug. 1, 1946.

UNION METAL

The word "Metal" is disclaimed.
FOR HEAVY DUTY CARGO TRAILERS AND TRAILER VEHICLE UNDER-CARRIAGES, SHIP MASTS, STEEL CARGO SHIP BOOMS, AND SHIP RUDDERS.
Claims use since 1941 on ship masts and steel cargo ship booms; and since 1944 on trailer and vehicle under-carriages and ship rudders.

Ser. No. 515,589. TIDEWATER EQUIPMENT CO., Brunswick, Ga. Filed Jan. 10, 1947.

DIXIE LOGGER

No claim is made for the word "Logger" apart from the mark as shown.
FOR PULPWOOD WAGONS AND RUBBER TIRED FOUR-WHEELED LOGGING CARTS.
Claims use since Oct. 1, 1946.

Ser. No. 516,567. PARK SQUARE MOTORS, INC., Brooklyn, N. Y. Filed Jan. 29, 1947.



The drawing is lined for the color gold.
FOR SECOND-HAND AUTOMOBILES.
Claims use since Dec. 16, 1946.

Ser. No. 519,306. GORDON A. WILLEY, doing business as The Nation's Cycle Center, Maywood, Ill. Filed Mar. 19, 1947.

NATION-BILT

The lining in the drawing is designated as for shading purposes only.
FOR MOTORCYCLE WINDSHIELDS, MOTORCYCLE BUMPERS, MOTORCYCLE FENDER PLATES, MOTORCYCLE FENDER RODS, AND MOTORCYCLE MIRRORS.
Claims use since July 10, 1946.

Ser. No. 523,296. TUXCO CORPORATION, Evanston, Ill. Filed May 29, 1947.

TUXCO

FOR BRAKE DRUMS FOR VEHICLES.
Claims use since May 2, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 492,106. STAR GLOW ELECTRIC PRODUCTS, INC., Chicago, Ill. Filed Nov. 23, 1945.



Applicant disclaims the words "Electric Products" and the word "Glow," apart from the other features of the mark.
FOR ELECTRIC HOT PLATES.
Claims use since Oct. 5, 1945.

Ser. No. 499,925. AUGUST S. TORRES, Kinderhook, N. Y. Filed Apr. 9, 1946.



The word "Roast" and the representation of the coffee bean are disclaimed apart from the mark.
FOR ELECTRIC COFFEE ROASTERS.
Claims use since Nov. 1, 1945.

Ser. No. 509,156. MASTER APPLIANCE MFG. CO., Racine, Wis. Filed Sept. 16, 1946.

Breeze Master

The word "Breeze" is disclaimed.
FOR ELECTRIC FANS.
Claims use since July 1, 1946.

Ser. No. 525,518. THE ADAMS & WESTLAKE COMPANY, Chicago, Ill. Filed July 2, 1947.

ADLAKE

FOR ELECTRIC LIGHTING FIXTURES—NAMELY, TROUGH LIGHTING FIXTURES, LOUVER LIGHTING FIXTURES, LOUVER BAGGAGE RACK AND LIGHTING FIXTURES, COMBINED BAGGAGE RACK AND LIGHTING FIXTURES; ELECTRIC LAMPS—NAMELY, CHANDELIERS, PENDANT LAMPS, CEILING LAMPS, BRACKET LAMPS, TABLE LAMPS, BERTH LAMPS, EXIT LAMPS, AND WALL LAMPS; ELECTRIC LANTERNS; ELECTRIC AIRCRAFT RUNNING LAMPS, ELECTRIC AIRCRAFT LANDING LAMPS, ELECTRIC INSTRUMENT BOARD LAMPS, ELECTRIC FUEL SIGNAL LAMPS; ELECTRIC ANCHOR AND IDENTIFICATION LAMPS; ELECTRIC LANDING FIELD OUTLINING LAMPS; ELECTRIC HIGHWAY CROSSING SIGNALS, ELECTRIC RAILWAY SIGNAL LAMPS; ELECTRIC TRAFFIC SIGNAL LAMPS; ELECTRIC SEMAPHORE LAMPS; ELECTRIC SWITCH LAMPS; ELECTRIC CLASSIFICATION LAMPS; ELECTRIC HEADLIGHTS; ELECTRIC SEARCHLIGHTS; ELECTRIC INDICATOR LIGHTS.
Claims use since September 1895.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 487,334. THE RAPIDS-STANDARD COMPANY, INC., Grand Rapids, Mich. Filed Aug. 20, 1945.

PRESS-VEYOR

FOR ELECTRICALLY OPERATED, HEAVY DUTY, PORTABLE, ENDLESS BELT CONVEYORS, DESIGNED PRIMARILY FOR USE ON INDUSTRIAL CONVEYING JOBS.
Claims use since Aug. 4, 1945.

Ser. No. 517,437. TAVARO S. A., Geneva, Switzerland. Filed Feb. 13, 1947.

TAVARO

FOR SEWING MACHINES AND PARTS THEREOF AND ACCESSORIES—NAMELY, BOBBINS, EMBROIDERY FRAMES, NEEDLES, PRESSER FOOT, GATHERING FOOT, QUILTING FOOT, HEMMING FOOT, FOOT HEMMER FELLING, DARNING FOOT, BRAIDING FOOT, DARNING PLATES, SCREW DRIVERS, DARNING FRAMES, TRANSMISSION BELTS, NEEDLE THREADERS, AND SPEED REDUCERS.
Claims use since 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 522,301. LIME EQUIPMENT COMPANY, Lebanon, Pa. Filed May 12, 1947.



LIME EQUIPMENT COMPANY

The words "Lime Equipment Company" are disclaimed apart from the mark as shown.
FOR MACHINERY FOR THE MANUFACTURE OF LIME—NAMELY, PREHEATERS, COOLERS, DRYERS, AND ROTARY KILNS.
Claims use since Nov. 1, 1946.

CLASS 39

CLOTHING

Ser. No. 500,368. B. COHEN & CO., INC., New York, N. Y. Filed Apr. 17, 1946.

Cobé

FOR WOMEN'S LOUNGING ROBES.
Claims use since Mar. 1, 1946.

Ser. No. 517,205. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Feb. 8, 1947.

Loom-Mates

FOR LADIES' AND CHILDREN'S CHEMISES, PANTIES, PAJAMAS, DRESSES, SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS AND LADIES' UNIFORMS FOR WORK PURPOSES AND BOYS' WASH SUITS.
Claims use since Feb. 5, 1947.

Ser. No. 526,757. THE ADLER COMPANY, Cincinnati, Ohio. Filed July 3, 1947. Under 10-year proviso.

EAGLE

FOR KNITTED SOCKS.
Claims use since Jan. 1, 1895.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 497,928. FRANCOIS LABORATORIES, INC., New York, N. Y. Filed Mar. 9, 1946.

Miss Coquette

FOR COLD WAVE PERMANENT KIT, CONTAINING A PERMANENT WAVE SOLUTION, SHAMPOO SOAP, CURLERS, PAPER CAP, TISSUES, ABSORBENT COTTON, NEUTRALIZING POWDER, AND INSTRUCTION BOOKLET.
Claims use since Feb. 7, 1946.

Ser. No. 516,196. THE KELLEY-KOETT MANUFACTURING COMPANY, Covington, Ky. Filed Jan. 28, 1947.

Photocron

FOR PHOTOFLUOROGRAPHIC X-RAY APPARATUS USED FOR MEDICAL PURPOSES, PARTS THEREFOR, APPURTENANCES AND APPLIANCES THEREFOR AND FOR USE IN CONNECTION THEREWITH—NAMELY, STANDS FOR X-RAY CAMERAS AND TUBES, TRANSFORMERS, RECTIFIERS, TIMERS, AND CONTROLS FOR X-RAY MACHINES, X-RAY PROTECTIVE EQUIPMENT, STEREOSCOPIC ATTACHMENTS FOR X-RAY CAMERAS, AUTOMATIC NUMBERING EQUIPMENT FOR X-RAY FILM, AND X-RAY FILM VIEWERS.
Claims use since September 1945.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 497,574. SIOUX FALLS RENDERING COMPANY, Sioux Falls, S. Dak. Filed Mar. 2, 1946. Under the act of February 20, 1905, as amended June 10, 1930.

SIOUX BRAND

The expression "Brand" is disclaimed apart from the mark.
FOR HOG FEEDS, INCLUDING 80% PROTEIN HOG SUPPLEMENT, 40% PROTEIN HOG CONCENTRATE, 19% PROTEIN PIG AND SOW MEAL; SOYBEAN OIL MEAL USED AS A FEED OR INGREDIENT OF FEED FOR HOGS, SHEEP, CATTLE, POULTRY, DOG FOOD, AND FUR BEARING ANIMALS; MEAT SCRAPS USED AS A FEED OR INGREDIENT OF FEED FOR HOGS, SHEEP, CATTLE, POULTRY, DOG FOOD, AND FUR BEARING ANIMALS; POULTRY FEEDS, INCLUDING TURKEY STARTER FEED, TURKEY GROWER FEED, EGG MASH FOR POULTRY, STARTER FEED FOR CHICKENS, GROWER FEED FOR CHICKENS, 26% PROTEIN GRAIN BALANCER FOR CHICKENS, 32% PROTEIN POULTRY CONCENTRATE; 80% PROTEIN CATTLE AND SHEEP FEED.
Claims use on hog feeds since July 1, 1937; on soybean oil meal since June 1, 1942; on meat scraps since June 1, 1933; on poultry feeds since Feb. 1, 1945; and on cattle and sheep feed since Oct. 1, 1944.

Ser. No. 517,935. AUGUST S. TORRES, Kinderhook, N. Y. Filed Feb. 21, 1947.

MINUTED COFFEE

Applicant disclaims the word "Coffee" apart from the mark as shown.
FOR COFFEE.
Claims use since May 1, 1945.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 544,914. SENECA COAL & IRON CORPORATION, New York, N. Y. Filed Dec. 19, 1947.



Applicant claims ownership of Registration No. 258,844.
FOR COAL.
Claims use since Aug. 1, 1937.

CLASS 2

RECEPTACLES

Ser. No. 528,733. M. I. NAKEN CO., Chicago, Ill. Filed July 16, 1947. Under section 2f of the act of 1946.



No claim is made to the exclusive use of the term "Tarnish Proof Silverware Chest" apart from the mark as shown.
FOR CHESTS FOR RECEIVING AND STORING TABLE FLATWARE.
Claims use since February 1928.

Ser. No. 548,470. BEEK AND COMPANY, INCORPORATED, New York, N. Y. Filed Jan. 31, 1948.

Priscilla

Applicant claims ownership of Registration No. 269,942.
FOR RUBBER TOILET TRAYS.
Claims use since Oct. 29, 1947.

Ser. No. 552,246. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 18, 1948.

KLEENEX

Applicant claims ownership of Registrations Nos. 191,941, 297,536, 384,582, and 408,618.
FOR CABINETS FOR DISPENSING PAPER TISSUE SHEETS.
Claims use since 1930.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 533,092. E. J. WILKINS COMPANY, Gloversville, N. Y. Filed Sept. 2, 1947. Under section 2f of the act of 1946.

Unifold

FOR POCKETBOOKS AND BILLFOLDS.
Claims use since May 15, 1937.

Ser. No. 533,093. E. J. WILKINS COMPANY, Gloversville, N. Y. Filed Sept. 2, 1947. Under section 2f of the act of 1946.

Index-it

FOR BILLFOLDS.
Claims use since July 1, 1938.

Ser. No. 538,758. THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Oct. 23, 1947. Under section 2f of the act of 1946.

STURDIBILT

Applicant claims ownership of Registration No. 416,376.
FOR WARDROBE TRUNKS, WARDROBE CASES, SUITCASES, OLADSTONE CASES, HAT AND SHOE CASES, LEATHER VANITY AND MAKE-UP CASES SOLD AS SUCH WITHOUT CONTENTS, OVERNIGHT BAGS, DUFFLE BAGS, HANDBAGS, AND BRIEF CASES.
Claims use since 1937.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 514,766. THE MATCHLESS METAL POLISH CO., Chicago, Ill. Filed Oct. 8, 1947; originally filed, act of 1905, Dec. 24, 1946. Under section 2f of the act of 1946.

MATCHLESS

FOR BUFFING AND POLISHING COMPOUND IN CAKE FORM FOR METALS, HARD RUBBER, CELLULOID, PLASTICS, AND WOOD.
Claims use since June 1887.

Ser. No. 548,974. MACDERMID INCORPORATED, Waterbury, Conn. Filed Feb. 6, 1948.

METEX

The vertical lining on the drawing indicates the color red. Applicant claims ownership of Registration No. 186,356.
FOR CHEMICALS FOR CLEANING METALS CONSISTING OF A MATERIAL CONTAINING POTASH, SODIUM HYDRATE, SODIUM SILICATE, SODIUM ALUMINATE AND SOAP, AND CHEMICALS FOR CLEANING TEXTILES CONSISTING OF A MATERIAL SIMILAR TO THE ABOVE BUT WITH THE SODIUM HYDRATE OMITTED, AND IN ADDITION LIQUID COMPOUNDS USED IN AND INCIDENTAL TO METAL FINISHING OPERATIONS FOR BRIGHTENING THE BASE METAL PREPARATORY TO ELECTROPLATING AND THE APPLICATION OF OTHER SURFACE COATINGS.
Claims use since Aug. 3, 1922.

Ser. No. 560,468. C. N. HUBBARD, Kansas City, Mo. Filed June 30, 1948.



The words "Super Spotter" are disclaimed. Applicant claims ownership of Registration No. 259,966.
FOR NON-EXPLOSIVE CLEANING COMPOUND FOR REMOVING SOILED SPOTS FROM FABRICS, FELT, LEATHER, AND OTHER CLOTHING MATERIALS, AND ALSO FOR GENERAL HOUSE CLEANING USE.
Claims use since Sept. 21, 1942.

Ser. No. 562,323. ELIZABETH MEEK CHILDS, doing business as Childsco Products Co., Macon, Ga. Filed July 28, 1948.

Childsco

FOR HAND SOAP, AND ALL-PURPOSE CLEANING PREPARATION.
Claims use since May 20, 1948.

Ser. No. 564,173. WESTVACO CHEMICAL CORPORATION, New York, N. Y., now by merger to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware. Filed Aug. 25, 1948.

FOSKLOR

Applicant claims ownership of Registration No. 338,671.
FOR CHLORINATED PHOSPHATIC DETERGENT USED AS A COMBINED DETERGENT AND GERMICIDE.
Claims use since Apr. 18, 1936.

Ser. No. 564,965. The BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Sept. 11, 1948.

Brunswick

FOR SANDPAPER.
Claims use since Feb. 7, 1945.

Ser. No. 565,472. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Sept. 20, 1948.

Brunsco

FOR LEATHER CLEANER AND LEATHER DRESSING.
Claims use since July 21, 1937.

Ser. No. 567,190. E. S. DICKERSON, JR., doing business as The Dickerson Company, Philadelphia, Pa. Filed Oct. 19, 1948.

"SORB-SALL"

FOR OIL, GREASE, AND MOISTURE ABSORBENT, USED LARGELY ON FLOORS.
Claims use since May 20, 1947.

CLASS 5

ADHESIVES

Ser. No. 544,674. COMPO SHOE MACHINERY CORPORATION, Boston, Mass. Filed Oct. 30, 1947. Under section 2f of the act of 1946.



The words "Adhesives make the better shoes" are disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 394,013.
FOR ADHESIVE SHOE CEMENT.
Claims use since Aug. 30, 1940.

Ser. No. 550,431. PERKINS GLUE COMPANY, Lansdale, Pa. Filed Feb. 24, 1948.



No claim is made to the words "Perkins Glues" apart from the mark as shown, but without waiver of any common-law rights therein. Applicant claims ownership of Registrations Nos. 139,865, 277,445, and 339,893.
FOR UREA FORMALDEHYDE AND PHENOL FORMALDEHYDE RESINS AS USED FOR WOOD ADHESIVES, SAID RESINS BEING EITHER LIQUID OR DRY; CASEIN GLUES, VEGETABLE GLUES, ANIMAL GLUES, QUICK REPAIR ADHESIVE BEING A PUTTY-LIKE MATERIAL WITH PIGMENTS TO PRODUCE COLORS SIMILAR TO DIFFERENT SPECIES OF WOOD, BEING USED TO FILL VOIDS IN VENEER PRIOR TO FINISHING; AND DEXTRIN BASE ADHESIVES.
Claims use since July 24, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 527,843. REAL SILK HOSIERY MILLS, INC., Indianapolis, Ind. Filed July 5, 1947.

Gone

FOR LIQUID DEODORIZER FOR SUPPRESSING ODORS OF CLOTHING AND FABRICS AND IN ROOMS.
Claims use since July 10, 1945.

Ser. No. 528,009. THE EDWAL LABORATORIES, INC., Chicago, Ill. Filed July 5, 1947.

THERMO-SALT

The word "Salt" is disclaimed apart from the mark.
FOR INERT CHEMICAL TO BE ADDED TO PHOTOGRAPHIC SOLUTIONS IN ORDER TO PREVENT THE EMULSION FROM SWELLING AT HIGH TEMPERATURES.
Claims use since Jan. 1, 1939.

Ser. No. 530,171. R. T. COLLIER CORPORATION, Los Angeles, Calif. Filed Aug. 1, 1947.

FOR CHEMICAL PRODUCTS DERIVED FROM PETROLEUM—NAMELY, LIQUID ORGANIC HYDROPEROXIDE METHYL MERCAPTAN AND ETHYL MERCAPTAN.
Claims use since Apr. 14, 1947.

Ser. No. 532,430. DEARBORN SUPPLY COMPANY, Chicago, Ill. Filed Aug. 26, 1947. Under section 2f of the act of 1946.

Parker-Belmont

Applicant claims ownership of Registration No. 160,107.
FOR FACE POWDER AND ROUGE SOLD IN PURSE-SIZE CONTAINERS.
Claims use since Dec. 27, 1920.

Ser. No. 537,179. MAURICE HANDMAN, doing business as Maurella Products Co., New York, N. Y. Filed Oct. 8, 1947.



FOR BUBBLE BATH.
Claims use since Oct. 1, 1939.

Ser. No. 539,312. GOLD MEDAL HAARLEM OIL CORPORATION, Jersey City, N. J. Filed Oct. 28, 1947. Under section 2f of the act of 1946.

HAARLEM OIL

The words "Haarlem Oil" are disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 138,184.
FOR HAARLEM OIL FOR KIDNEY, LIVER, BLADDER, RHEUMATIC, AND URIC-ACID TROUBLES.
Claims use since Jan. 31, 1908.

Ser. No. 539,639. MAIN R. BOCHER, doing business as Mainbocher, New York, N. Y. Filed Oct. 31, 1947.

WHITE GARDEN

The word "White" is disclaimed apart from the mark FOR PERFUMES AND TOILET WATERS.
Claims use since Oct. 16, 1947.

Ser. No. 544,675. COMPO SHOE MACHINERY CORPORATION, Boston, Mass. Filed Oct. 30, 1947. Under section 2f of the act of 1946.

COMPO
Cadhesives make the better shoes

The words "Adhesives Make the Better Shoes" are disclaimed. Applicant claims ownership of Registration No. 394,421.
FOR CHEMICAL PREPARATION USED AS SHOE CEMENT SOFTENER.
Claims use since Aug. 30, 1940.

Ser. No. 545,873. NATIONAL REMEDY COMPANY, INC., White Plains, N. Y. Filed Dec. 31, 1947.

COMMUNE BONUM
QUOD PETIS HIC EST

FOR MEDICINAL OIL, USED AS AN ANTISEPTIC, CARE OF SCALP, RELIEF OF COLDS, AND BRONCHIAL IRRITATION AND INSECT BITES.
Claims use since May 1, 1880.

Ser. No. 548,518. NAAMLOOZE VENNOOTSCHAP CHEMICALIENHANDEL ODOL COMPANY (ODOL MAATSCHAPPIJ), Amsterdam, Netherlands. Filed Jan. 31, 1948.

PITRALON ANTISEPTIC

Applicant claims ownership of Dutch Registration No. 70,564, dated Dec. 18, 1936.
FOR DISINFECTANTS.

Ser. No. 548,651. CHARLES C. HASKELL & Co., INC., Richmond, Va. Filed Feb. 3, 1948.

RUZAN

FOR DIURETIC, SEDATIVE, AND ANTI-CAPILLARY-FRAGILITY PREPARATION IN TABLET FORM CONTAINING THEOBROMINE, PHENOBARBITAL, ASCORBIC ACID, AND RUTIN.
Claims use since Jan. 22, 1948.

Ser. No. 549,843. JOHN H. BRECK, INC., Springfield, Mass. Filed Nov. 12, 1947. Under section 2f of the act of 1946.

BRECK BRILLIANT

Applicant claims ownership of Registration No. 432,929.
FOR PREPARATION FOR THE TREATMENT OF THE HAIR.
Claims use since December 1941.

Ser. No. 549,567. THE NESTLE-LEMUR COMPANY, Meriden, Conn. Filed Feb. 12, 1948. Under section 2f of the act of 1946.

Nestle

Applicant claims ownership of Registrations Nos. 279,383, 278,489, and 310,600.
FOR TOILET PREPARATIONS, PREPARATIONS FOR USE IN THE TREATMENT OF THE HAIR, AND COSMETICS—NAMELY, LOTIONS FOR BLEACHING HAIR, LOTIONS FOR SOFTENING HAIR, HAIR DYES, PREPARATIONS ADAPTED AND INTENDED FOR USE IN WAVING OR CURLING HAIR, LOTIONS AND ABSORBENT MATERIAL CONTAINING HAIR-TREATING SUBSTANCES IN SOLUBLE FORM, PREPARATIONS FOR RINSING HAIR AND EMPHASIZING THE COLOR THEREOF, SHAMPOO PREPARATION, CLEANSING CREAM FOR SCALP.
Claims use since 1930.

Ser. No. 551,609. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Mar. 10, 1948.

Distinguished Service

Applicant claims ownership of Registration No. 433,246.
FOR AFTER SHAVE LOTION AND TALC POWDER.
Claims use since Sept. 4, 1946.

Ser. No. 552,589. RUDOLPH HOLMBERG, doing business as Neptune Health Products, New York, N. Y. Filed Mar. 20, 1948.

ELODEX

FOR PREPARATION FOR AIDING IN THE RELIEF OF CONSTIPATION.
Claims use since Dec. 31, 1939.

Ser. No. 555,497. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed Apr. 24, 1948.

BLANCOPHOR

FOR FLUORESCENT DYESTUFFS WHICH CONVERT ULTRA VIOLET RAYS INTO VISIBLE WHITE LIGHT THUS INCREASING THE WHITE EFFECT OF TEXTILE FABRICS, SOAPS, WAXES, PLASTICS, PAPER, AND OTHER MATERIALS.
Claims use since Mar. 2, 1948.

Ser. No. 555,614. KENNETH O. MUMFORD, doing business as Chems, Gardena, Calif. Filed Apr. 26, 1948.

CHEMS

FOR BREATH DEODORIZER.
Claims use since June 10, 1947.

Ser. No. 555,633. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Apr. 26, 1948.

PEN-TRESAMIDE

Applicant claims ownership of Registration No. 500,418.
FOR ANTIBACTERIAL PREPARATION.
Claims use since Mar. 30, 1948.

Ser. No. 555,791. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Apr. 12, 1948.

BENYLIN

Applicant claims ownership of Registration No. 419,505.
FOR EXPECTORANT.
Claims use since Feb. 13, 1948.

Ser. No. 556,109. BERNARD LOGSDON, Killbuck, Ohio. Filed May 3, 1948.

OLD WOODSMAN

FOR OINTMENT.
Claims use since May 15, 1947.

Ser. No. 557,528. JOHN THOMAS HOPKINS, doing business as Hopkins Distributing Company, Longview, Tex. Filed May 21, 1948.

ATOM-CEPTIC

FOR POWDERED DOUCHE.
Claims use since Apr. 6, 1948.

Ser. No. 557,593. CHRYSON'S, LTD., Los Angeles, Calif. Filed May 22, 1948.

TEXTONE

Applicant claims ownership of Registration No. 341,897.
FOR SKIN LOTIONS AND SKIN CREAMS.
Claims use since June 23, 1936.

Ser. No. 557,719. J. & E. ATKINSON LIMITED, London, W. 1, England. Filed May 25, 1948. Under section 2f of the act of 1946.

ATKINSONS

Applicant claims ownership of registration No. 293,385.
FOR EAU DE COLOGNE AND LAVENDER WATER.
Claims use since 1872.

Ser. No. 557,720. J. & E. ATKINSON LIMITED, London, W. 1, England. Filed May 25, 1948. Under section 2f of the act of 1946.



Applicant claims ownership of registration No. 293,385.
FOR LAVENDER WATER.
Claims use since early in the year 1934.

Ser. No. 557,721. J. & E. ATKINSON LIMITED, London, W. 1, England. Filed May 25, 1948. Under section 2f of the act of 1946.



Applicant claims ownership of registration No. 293,385.
FOR EAU DE COLOGNE.
Claims use since 1933.

Ser. No. 558,191. WARNER COMPANY, Philadelphia, Pa. Filed May 29, 1948.

PHD

FOR SPECIALLY PREPARED HYDRATED LIME FOR INSECTICIDAL USE.
Claims use since April 1945.

Ser. No. 561,774. HARRY RINNMAN, doing business as Big Drip, St. Charles, Ill. Filed July 20, 1948.

BIG DRIP

FOR MOISTURE ABSORBING RECEPTACLE CONTAINING DEHYDRATING CHEMICALS FOR USE IN CLOTHES CLOSETS.
Claims use since July 12, 1948.

Ser. No. 569,130. FORD MOTOR COMPANY, Dearborn, Mich. Filed Nov. 20, 1948.

FoMoCo

FOR ANTIFREEZE ALCOHOL AND OTHER ANTIFREEZE LIQUIDS, COOLING SYSTEM CHEMICAL CLEANSER, EMULSION TYPE RUST INHIBITOR, SHOCK ABSORBER FLUID, HYDRAULIC BRAKE FLUID, AND WATER REPELLENT SOLUTION FOR FABRICS.
Claims use since Nov. 17, 1948.

Ser. No. 571,755. SUN OIL COMPANY, Philadelphia, Pa. Filed Jan. 6, 1949.

SOLGAS

FOR LIQUEFIED PETROLEUM GAS.
Claims use since Aug. 24, 1934.

CLASS 7

CORDAGE

Ser. No. 526,590. GERMAIN SEED AND PLANT COMPANY, Los Angeles, Calif. Filed July 5, 1947. Under section 2f of the act of 1946.

TWIST-EMS

Applicant claims ownership of Registration No. 380,887.
FOR PAPER TAPE WITH A WIRE CORE FOR USE IN TYING UP PLANTS, VEGETABLES, FLOWERS, AND PACKAGES.
Claims use since May 20, 1939.

Ser. No. 526,719. GERMAIN SEED AND PLANT COMPANY, Los Angeles, Calif. Filed July 5, 1947. Under section 2f of the act of 1946.

GERMAIN'S

FOR PAPER TAPE WITH WIRE CORE FOR USE IN TYING UP PLANTS, VEGETABLES, FLOWERS, AND PACKAGES.
Claims use since Jan. 15, 1924.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 519,791. PAUL L. ZEBAUGH, doing business as Nomesser Products Company, Minneapolis, Minn. Filed Jan. 19, 1948; originally filed, act of 1905, Mar. 25, 1947. Under section 2f of the act of 1946.

NO-MESS-ER

FOR ASH TRAYS MADE OF GLASS, POTTERY, OR PLASTIC.
Claims use since Aug. 1, 1936.

Ser. No. 537,310. THE IMCO MANUFACTURING CORPORATION, New York, N. Y. Filed Oct. 9, 1947. Under section 2f of the act of 1946.

BESTLITE

FOR PYROPHORIC LIGHTERS FOR CIGARS, CIGARETTES, AND PIPES; FLINT FOR LIGHTERS; WICKS FOR LIGHTERS.
Claims use since February 1941.

Ser. No. 547,963. BENNETT DESIGN AND ENGINEERING CO., Washington, D. C. Filed Jan. 26, 1948.

Trim-Tray

UA

The word "Tray" is disclaimed apart from the mark as shown.
FOR ASH TRAYS.
Claims use since Nov. 29, 1947.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 552,329. HERCULES POWDER COMPANY, Wilmington, Del. Filed Dec. 12, 1947. Under section 2f of the act of 1946.

COLLIER-C

Applicant claims ownership of Registration No. 388,347.
FOR DYNAMITE.
Claims use since Feb. 29, 1932.

Ser. No. 562,302. ATLAS POWDER COMPANY, Wilmington, Del. Filed July 28, 1948.



Applicant claims ownership of Registration No. 95,285.
FOR POWDER, DYNAMITE, AND BLASTING CAPS.
Claims use since July 12, 1935.

CLASS 10

FERTILIZERS

Ser. No. 562,978. BYCOLIFE FERTILIZER MANUFACTURING COMPANY, Clinton, S. C. Filed Aug. 2, 1948.

BYCOLIFE

FOR FERTILIZER AND MORE ESPECIALLY A FERTILIZER CONTAINING AN INSECTICIDE.
Claims use since July 2, 1938.

Ser. No. 564,257. NORSK HYDRO-ELEKTRISK KVAELSTOFAKTIESELSKAB, Oslo, Norway. Filed Aug. 20, 1948.



Applicant claims ownership of Registration No. 100,875, and Norwegian Registration No. 10,593, dated July 13, 1923.
FOR FERTILIZERS.
Claims use since July 13, 1923.

Ser. No. 564,626. INTERNATIONAL MINERALS & CHEMICAL CORPORATION, Chicago, Ill. Filed Sept. 3, 1948.

CARIBEE

Applicant claims ownership of Registration No. 250,062.
FOR FERTILIZERS.
Claims use since Feb. 17, 1927.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 526,686. CONCRETE ENGINEERS COMPANY, Glendale, Calif. Filed July 5, 1947.



The drawing is lined to indicate a gray background and black caps on the fence posts. The fence and the words "Trade" and "Mark" are disclaimed apart from the mark.
FOR CONCRETE STRUCTURES—NAMELY, CONCRETE FENCES AND PARTS THEREOF INCLUDING POSTS, FOOTINGS, POST CAPS, AND PREFORMED SLATS, PATIO CONSTRUCTION MATERIALS INCLUDING FLOORING BLOCKS, WALL BLOCKS AND BLOCKS FOR BUILDING BARBECUES, SHINGLES, BENCHES, BIRD BATHS, LAMP POSTS, AND CONCRETE STRUCTURAL OBJECTS INCLUDING BUILDING BLOCKS, WALL SECTIONS, SLABS, BLOCKS FOR BUILDING CRIBS, INCINERATORS, AND COLUMNS.
Claims use since May 14, 1947.

Ser. No. 538,725. THE DELANEY CO., Houston, Tex. Filed Oct. 23, 1947.



Applicant disclaims the word "Delaney" apart from the mark as shown.
FOR STRUCTURAL STEEL ELEMENTS FOR BUILDING PURPOSES—NAMELY, STEEL I-BEAMS, CHANNELS, ANGLES, T's, Z's, COLUMNS, JOISTS, GIRDERS, LATTICE BARS, STRUCTURAL STEEL SEATS, WIDE-FLANGE STEEL BEAMS AND COLUMNS, FILLED AND

UNFILLED STEEL TUBE AND PIPE COLUMNS, STEEL SHEETS USED FOR ROOFS AND WALLS, CHECKERED STEEL PLATES AND ORNAMENTAL IRON WORK FOR BUILDING CONSTRUCTION, AND PREFABRICATED STEEL STRUCTURES—NAMELY, TRUSSES AND TANK AND POWER LINE TOWERS.
Claims use since Feb. 1, 1946.

Ser. No. 541,504. BRICKSEAL REFRACTORY CO., Hoboken, N. J. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

BRICKSEAL

Applicant claims ownership of Registration No. 419,693.
FOR REFRACTORY COATING FOR BRICK SURFACES.
Claims use since May 1939.

Ser. No. 541,907. AMERICAN LUMBER PRODUCTS, Louisville, Ky. Filed Nov. 21, 1947.

SUPER-AROMIZED

The word "Super" is disclaimed apart from the mark.
FOR AIR DRIED RED AROMATIC CEDAR LUMBER.
Claims use since Sept. 22, 1947.

Ser. No. 545,340. CONGOLEUM-NAIRN, INC., Kearny, N. J. Filed Dec. 24, 1947. Under section 2f of the act of 1946.

NAIRN

Applicant claims ownership of Registrations Nos. 105,920, 309,235, 334,121, 351,690, 351,813, and 428,522.
FOR PIGMENTED COMPOSITION TILES FOR INTERIOR FLOORS, THE SAID COMPOSITION HAVING A BINDER OF ASPHALT OR RESIN OR A COMBINATION THEREOF.
Claims use since July 15, 1947.

Ser. No. 545,757. STARLINE INC., Harvard, Ill. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

UNIT ARCH

Applicant claims ownership of Registrations Nos. 421,267, 421,269, and 195,965.
FOR BARN STALLS.
Claims use since 1912.

Ser. No. 545,788. STARLINE INC., Harvard, Ill. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

UNIT SYSTEM ARCH

Applicant claims ownership of Registrations Nos. 421,267, 421,269, and 195,965.
FOR BARN STALLS.
Claims use since 1912.

Ser. No. 546,299. HOLMES EUREKA LUMBER COMPANY, Eureka and San Francisco, Calif. Filed Jan. 6, 1948.



FOR LUMBER—NAMELY, FOUNDATION SILLS, STRUCTURAL TIMBERS, FENCE PICKETS, GARDEN STAKES, SHINGLES, SHAKES, SIDING, MOULDING, LATH, FLOORING, FENCE POSTS, AND TRIM; AND MILLWORK—NAMELY, WINDOW FRAMES, DOOR FRAMES, DOORS, GUTTERS, TRELLISES, AND PANELS.
Claims use since 1920.

Ser. No. 549,453. LEWIS ASPHALT ENGINEERING CORPORATION, New York, N. Y. Filed Feb. 11, 1948.

KARNAK

FOR ASPHALT ADHESIVE CEMENT FOR ASPHALT AND MASTIC TILE.
Claims use since May 26, 1920.

Ser. No. 549,986. TRIP-L-SEAL, INC., Washington, D. C. Filed Feb. 17, 1948.

TRIP-L-CRETE

Applicant claims ownership of Registration No. 377,951.
FOR PORTLAND PATCHING CEMENT.
Claims use since August 1947.

Ser. No. 552,304. E. J. LAVINO AND COMPANY, Philadelphia, Pa. Filed Aug. 8, 1947. Under section 2f of the act of 1946.

LAVINO

Applicant claims ownership of Registration No. 349,877.
FOR REFRACTORY BRICKS, REFRACTORY PLASTICS, AND REFRACTORY CEMENTS.
Claims use since 1919.

Ser. No. 554,145. PACIFIC COAST CEMENT COMPANY, Seattle, Wash. Filed Apr. 8, 1948.



FOR PORTLAND CEMENT AND HIGH-EARLY STRENGTH CEMENT.
Claims use since Feb. 22, 1929.

Ser. No. 555,848. SUTTON MANUFACTURERS, INC., Miami, Fla. Filed Apr. 29, 1948.

S M I

FOR DOORS, WALL, AND CEILING PANELING.
Claims use since Jan. 1, 1948.

Ser. No. 556,013. ARNOLD D. HOSLER, Quincy, Mich. Filed May 1, 1948.

Buckeye Bonded

FOR INSULATING WOOL.
Claims use since Apr. 16, 1948.

Ser. No. 556,279. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio. Filed May 5, 1948. Under section 2f of the act of 1946.

NOAH'S PITCH

FOR BITUMINOUS PLASTIC PATCHING COMPOSITIONS.
Claims use since July 1, 1931.

Ser. No. 556,468. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio. Filed May 7, 1948. Under section 2f of the act of 1946.

TRI-TONE

FOR ASBESTOS CEMENT SHINGLES.
Claims use since Aug. 1, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 510,686. H. D. HUDSON MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 5, 1948; originally filed, act of 1920, Oct. 11, 1946. Under section 2f of the act of 1946.

HUDSON

Applicant claims ownership of Registration No. 223,040.
FOR SINKS, HAYRACK FIXTURES INCLUDING RACK CLAMPS, STAKE IRONS AND RACK LOOPS, HANGERS, FITTINGS, BRACKETS, AND SUPPORTS FOR MOUNTING OVERHEAD TRACK, HYDRANTS, AND STOCK STANCHIONS.
Claims use since 1917.

Ser. No. 517,197. ORBIT VALVE COMPANY, Tulsa, Okla. Filed Feb. 7, 1948; originally filed, act of 1905, Feb. 8, 1947.

ORBIT VALVES

The word "Valves" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 325,804.
FOR NON-THERMOSTATIC VALVES ADAPTED TO BE CONNECTED INTO FLUID CONDUCTORS FOR CONTROLLING THE FLOW OF FLUID THERETHROUGH.
Claims use since Jan. 3, 1947.

Ser. No. 528,308. RICHARDS-WILCOX MANUFACTURING COMPANY, Aurora, Ill. Filed July 10, 1947. Under section 2f of the act of 1946.

Slidetite

Applicant claims ownership of Registration No. 220,608.
FOR SLIDING HANGERS FOR FOLDING DOORS AND OTHER MOVABLE CLOSURES, TRACKS, BRACKETS FOR TRACKS, HINGES, AND FLOOR GUIDES.
Claims use since June 1916.

Ser. No. 538,256. DWAN G. DIMIT, doing business as Bunny Products, Pasadena, Calif. Filed Oct. 18, 1947.



The word "Products" is disclaimed.
FOR PLUMBERS METAL NIPPLE TRAYS.
Claims use since June 30, 1947.

Ser. No. 538,423. LOGAN CO., Louisville, Ky. Filed Oct. 20, 1947.

Nite-Gard

The word "Gard" is disclaimed apart from the mark.
FOR WIRE PANEL TO BE ATTACHED TO THE TOP OF A FOLDING FIRE SCREEN TO MAKE THE SAME SPARK-PROOF.
Claims use since Aug. 15, 1947.

Ser. No. 541,698. THE PATENT BUTTON CO., Waterbury, Conn. Filed Nov. 19, 1947.

PATWIN

Applicant claims ownership of Registration No. 411,893.
FOR COMPLETE SLIDE FASTENERS AND ALSO SLIDE FASTENER PARTS AND ACCESSORIES—NAMELY, BOTTOM STOPS, TOP STOPS, AND TAPES WITH FASTENER ELEMENTS THEREON, BOTH ASSEMBLED AND NON-ASSEMBLED.
Claims use since July 8, 1947.

Ser. No. 541,927. FORRESTER-DORMAN COMPANY, Flushing, N. Y. Filed Nov. 21, 1947.

KLIKSEAL

FOR VALVES FOR BALLOONS AND OTHER INFLATABLE OBJECTS.
Claims use since Sept. 9, 1947.

Ser. No. 541,994. ANDERSON DIE CASTING & ENGINEERING CORPORATION, Los Angeles, Calif. Filed Nov. 22, 1947.

UNITILT

FOR TILTING DEVICES FOR VENETIAN BLINDS.
Claims use since July 10, 1947.

Ser. No. 542,261. ABCO METAL PRODUCTS, Hawthorne, Calif. Filed Nov. 25, 1947.

ABCO

FOR METAL COFFEE MAKERS.
Claims use since Apr. 1, 1946.

Ser. No. 543,270. CONTINENTAL SCREW COMPANY, New Bedford, Mass. Filed Dec. 4, 1947.

Lubricized

Applicant claims ownership of Registrations Nos. 177,255, 344,380, and 323,971.
FOR SCREWS OF THE FOLLOWING NATURE—WOOD, LAG, CAP, DRIVE, SIDE KNOB, MACHINE, LOCK CAP, WASHER HEAD, SOCKET HEAD, HARDENED THREAD-FORMING SHEET METAL, THUMB AND SET; BOLTS OF THE FOLLOWING NATURE—HOOK, SINK, STOVE, HANGER, FIN HEAD, METER, CARRIAGE, MACHINE, CLOSET, AND STEP; NUTS OF THE FOLLOWING NATURE—MACHINE SCREW (HEXAGON, SQUARE), STOVE BOLT, SEMI-FINISHED, WING, CAP (ACORN); THREADED RODS OF THE FOLLOWING NATURE—STOVE, CHAIR AND LADDER; RIVETS OF THE FOLLOWING NATURE—SOLID AND TUBULAR; AND ALSO ESCUTCHEON PINS AND KNURLED PINS.
Claims use since Jan. 1, 1936.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 560,768. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa. Filed July 6, 1948.

NICHILLITE

Applicant claims ownership of Registration No. 437,502.
FOR ALLOY IRON CASTINGS IN THE FORM OF UNFINISHED ROLLS FOR USE IN ROLLING MILLS OF ALL SORTS.
Claims use since Jan. 30, 1930.

Ser. No. 560,769. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa. Filed July 6, 1948.

STIRONITE

FOR CASTINGS OF FERROUS METAL IN THE FORM OF UNFINISHED ROLLS FOR USE IN ROLLING MILLS.
Claims use since Feb. 15, 1944.

Ser. No. 563,232. ARMCO STEEL CORPORATION, Middletown, Ohio. Filed Aug. 12, 1948.

ELC

FOR STAINLESS STEEL AND CHROMIUM STEEL SHEETS.
Claims use since July 12, 1948.

CLASS 15

OILS AND GREASES

Ser. No. 507,936. THE PURE OIL COMPANY, Chicago, Ill. Filed July 5, 1947; originally filed, act of 1905, Aug. 23, 1946. Under section 2f of the act of 1946.

PURO

Applicant claims ownership of Registrations Nos. 59,388, 59,830, 60,867, 114,113, 135,503, 178,099, 243,822, 252,545, 252,546, 253,675, 270,318, 281,299, 281,300, 296,258, 305,980, and 318,661.
FOR GASOLINE, KEROSENE, GAS OILS, FUEL OILS, AND BURNING OILS FOR ILLUMINATING AND HEATING PURPOSES, AND LUBRICATING OILS AND GREASES.
Claims use since May 1905.

Ser. No. 534,186. THE PURE OIL COMPANY, Chicago, Ill. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

PURE

Applicant claims ownership of Registrations Nos. 114,113, 135,503, and others.
FOR MOTOR FUEL OILS—NAMELY, GASOLINE AND DIESEL FUEL OILS, LUBRICATING OILS, AND BURNING OILS FOR ILLUMINATING AND HEATING PURPOSES.
Claims use since Feb. 1, 1935.

Ser. No. 550,168. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Feb. 19, 1948.

COZOL

FOR CONING OIL.
Claims use since Dec. 31, 1947.

Ser. No. 554,533. TIDE WATER ASSOCIATED OIL COMPANY, New York, N. Y. Filed Apr. 13, 1948.

TYCOL
AFTON

Applicant claims ownership of Registrations Nos. 197,753 and 248,570.
FOR LUBRICATING OIL.
Claims use since Jan. 15, 1948.

Ser. No. 557,840. FRANKLIN CHEMICAL COMPANY, INC., Franklin, Minn. Filed May 26, 1948.

KNUCKLE SAVER

FOR PENETRATING OILS.
Claims use since May 14, 1948.

Ser. No. 558,267. THE A P PARTS CORPORATION, Toledo, Ohio. Filed June 2, 1948.

dgf 123

FOR LUBRICANT COMPOSITIONS CONTAINING GRAPHITE.
Claims use since Feb. 21, 1948.

Ser. No. 559,139. FORD MOTOR COMPANY, Dearborn, Mich. Filed Nov. 20, 1948.

FoMoCo

FOR LUBRICATING GREASES AND LUBRICATING COMPOUNDS CONTAINING GRAPHITE.
Claims use since Nov. 17, 1948.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 521,282. R. C. OWEN COMPANY, Gallatin, Tenn. Filed Nov. 25, 1947; originally filed, act of 1905, Apr. 24, 1947. Under section 2f of the act of 1946.

HAMPTON'S
HOME
SPUN

The word "Spun" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 214,535.
FOR CHEWING TOBACCO.
Claims use since January 1900.

Ser. No. 521,284. R. C. OWEN COMPANY, Gallatin, Tenn. Filed Nov. 25, 1947; originally filed, act of 1905, Apr. 24, 1947. Under section 2f of the act of 1946.

AXTON'S
NATURAL
LEAF

The words "Natural Leaf" are disclaimed apart from the mark as shown.
FOR CHEWING TOBACCO.
Claims use since 1914.

Ser. No. 542,271. BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Filed Nov. 25, 1947. Under section 1f of the act of 1946.

BAYUK

Applicant claims ownership of Registrations Nos. 214,530, 251,776, and 408,146.
FOR CIGARS.
Claims use since Nov. 1, 1912.

Ser. No. 543,439. MITCHELL GERTZ, doing business as Hollywood Pipe Tobacco Co., Los Angeles, Calif. Filed Dec. 5, 1947.

FRATERNITY
HOUSE

FOR PIPE TOBACCO.
Claims use since Nov. 17, 1947.

Ser. No. 548,551. E. WAEGEMANS & SON, INC., Bridgeport, Conn. Filed Jan. 31, 1948.



Applicant disclaims the trade name "E. Waegemans & Son, Inc." separately from the mark as shown. Applicant claims ownership of Registration No. 164,266.
FOR CIGARS.
Claims use since 1914.

Ser. No. 550,880. UNITED STATES TOBACCO COMPANY, Flemington, N. J., and New York, N. Y. Filed Feb. 28, 1948.



FOR SNUFF.
Claims use since Jan. 8, 1895.

CLASS 19
VEHICLES

Ser. No. 500,232. WARREN MCARTHUR CORPORATION, Bantam, Conn. Filed May 8, 1948; originally filed, act of 1920, Sept. 17, 1940. Under section 2f of the act of 1940.

WARREN McARTHUR

FOR SEATS FOR USE IN AIRCRAFT AND RAILROAD CARS.
Claims use since June 1942.

Ser. No. 514,742. DOHRMANN HOTEL SUPPLY CO., San Francisco, Calif. Filed Jan. 9, 1948; originally filed, act of 1905, Dec. 23, 1946.



The words "Handi" and "Dohrmann Hotel Supply Co." are disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 420,504.
FOR METAL DISH TRUCKS AND METAL HAND TRUCKS.
Claims use since Sept. 6, 1946.

Ser. No. 514,743. BENJAMIN B. ODELL, doing business as Defiance Manufacturing Company, Los Angeles, Calif. Filed July 30, 1948; originally filed, act of 1905, Dec. 23, 1946.

DEFIANCE

FOR GASOLINE TANK CAPS.
Claims use since December 1945.

Ser. No. 516,851. KARRIER MOTORS LIMITED, Coventry, Warwickshire, England. Filed Mar. 15, 1948; originally filed, act of 1905, Feb. 3, 1947.

COB

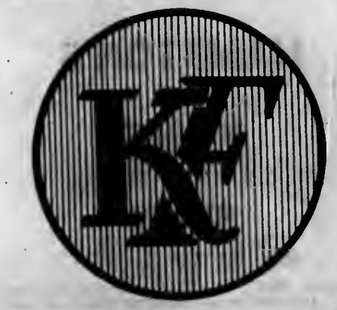
Applicant claims ownership of British Registration No. 518,040, dated Nov. 22, 1930.
FOR PASSENGER ROAD VEHICLES—NAMELY, PASSENGER BUSES AND PASSENGER COACHES; COMMERCIAL ROAD VEHICLES—NAMELY, DUMP TRUCKS, GOODS-CARRYING TRUCKS, LIQUID-CARRYING TANK VEHICLES, AND THREE-WHEELED TRACTOR TRUCKS; AND CHASSIS FOR THE VEHICLES.

Ser. No. 518,765. KOCKUMS MEKANISKA VERKSTADS AKTIEBOLAG, Malmo, Sweden. Filed June 7, 1948; originally filed, act of 1905, Mar. 10, 1947.



No claim is made to the exclusive use of the word "Malmo". Applicant claims ownership of Swedish Registration No. 58,436, dated June 2, 1944.
FOR WAR, CARGO, AND PASSENGER SHIPS, BOATS AND VESSELS; SUBMARINES; CARGO AND PASSENGER LIGHTERS; LIFE AND CARGO RAFTS; ANIMAL DRAWN CARTS AND HOSE CARTS; PERAMBULATORS, RAILWAY CARS AND COACHES; COMBINED RAILWAY MOTOR AND PASSENGER CARS; TRAMWAY CARS; AUTOMOTIVE TRUCKS INCLUDING INDUSTRIAL TRUCKS FOR TRANSPORTATION ONLY; AIRPLANES AND STRUCTURAL PARTS THEREOF; AUTOMOBILES AND STRUCTURAL PARTS THEREOF; AND BICYCLES.

Ser. No. 530,318. KAISER-FRAZER CORPORATION, Willow Run, Mich. Filed Aug. 2, 1947.



The drawing is lined to indicate the color red.
FOR AUTOMOBILE SEAT AND TRIM PANEL COVERS, AUTOMOBILE WHEEL RIM RINGS, AUTOMOBILE PLASTIC WHITE WALL WHEEL RINGS, AUTOMOBILE WINDSHIELD WASHERS, AUTOMOBILE LICENSE FRAME UNITS, AUTOMOBILE REAR VIEW MIRRORS, AND AUTOMOBILE AIR CONDITIONERS AND DEFROSTERS.
Claims use since Nov. 30, 1946.

Ser. No. 535,179. PLOMB TOOL COMPANY, Los Angeles, Calif. Filed Sept. 20, 1947.

TOOLMOBILE

FOR LARGE TOOL CHEST ON WHEELS FOR USE IN GARAGES AND SHOPS.
Claims use since Dec. 13, 1946.

Ser. No. 537,204. LYON METAL PRODUCTS, INCORPORATED, Aurora, Ill. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

LYON

FOR SERVICE CARTS, BASKET TRUCKS, AND WHEELED CHAIR TRUCKS ESPECIALLY DESIGNED FOR RECEIVING CHAIRS OF REMOVAL AND STORAGE PURPOSES.
Claims use since Dec. 1, 1913.

Ser. No. 546,456. ARNOLD, SCHWINN & CO., Chicago, Ill. Filed Jan. 8, 1948.

SCHWINN ROYAL

The word "Schwinn" is disclaimed. Applicant claims ownership of Registrations Nos. 370,200, 428,626, 404,963, 407,574, 371,422, 414,174, and 428,627.
FOR BICYCLES.
Claims use since Dec. 10, 1947.

Ser. No. 546,793. SEDGWICK MACHINE WORKS, INC., New York, N. Y. Filed Jan. 12, 1948.

WHEEL-O-MATIC

The word "Wheel" is disclaimed.
FOR UTILITY TRAILERS OF THE TWO WHEEL TYPE AND STRUCTURAL PARTS THEREOF.
Claims use since Dec. 17, 1947.

Ser. No. 547,221. THE AMERICAN WELDING AND MANUFACTURING COMPANY, Warren, Ohio. Filed Jan. 16, 1948.

AMWELD

FOR BRAKE SLACK ADJUSTER FOR RAILWAY CARS.
Claims use since Apr. 18, 1947.

Ser. No. 547,813. AMERICAN STEEL FOUNDRIES, Chicago, Ill. Filed Jan. 23, 1948. Under section 2f of the act of 1946.

PEERLESS

Applicant claims ownership of Registration No. 325,570.
FOR RAILWAY DRAFT RIGGING, DRAFT GEARS, AND PARTS THEREOF—NAMELY, DRAFT GEAR HOUSINGS, WEDGES, SHOES, FOLLOWERS, AND EQUALIZERS.
Claims use since June 1, 1928.

Ser. No. 547,814. AMERICAN STEEL FOUNDRIES, Chicago, Ill. Filed Jan. 23, 1948. Under section 2f of the act of 1946.

RIDE CONTROL

FOR RAILWAY CAR TRUCKS AND PARTS THEREOF—NAMELY, SIDE FRAMES, BOLSTERS, SPRINGS, SPRING PLATES, FRICTION WEAR PLATES, AND FRICTION SHOES.
Claims use since Oct. 7, 1940.

Ser. No. 548,240. CRAWFORD MANUFACTURING CO., INC., Richmond, Va. Filed Jan. 29, 1948. Under section 2f of the act of 1946.

KLEAN KAR

Applicant claims ownership of Registration No. 379,188.
FOR AUTOMOBILE SEAT COVERS.
Claims use since March 1938.

Ser. No. 548,350. THE GABRIEL COMPANY, Cleveland, Ohio. Filed Jan. 30, 1948. Under section 2f of the act of 1946.

GABRIEL

Applicant claims ownership of Registrations Nos. 98,273 and 383,527.
FOR SHOCK ABSORBERS FOR MOTOR VEHICLES SUCH AS AUTOMOBILES AND TRUCKS.
Claims use since Sept. 1, 1911.

Ser. No. 550,217. CRAWFORD MANUFACTURING CO., INC., Richmond, Va. Filed Feb. 20, 1948. Under section 2f of the act of 1946.

CRAWFORD

Applicant claims ownership of Registration No. 163,045.
FOR AUTOMOBILE SEAT COVERS, AND AUTOMOBILE SCUFF PADS.
Claims use since 1920.

Ser. No. 554,150. PIPER AIRCRAFT CORPORATION, Lock Haven, Pa. Filed Apr. 8, 1948. Under section 2f of the act of 1946.

PIPER

Applicant claims ownership of Registrations Nos. 435,357 and 430,222.

FOR AIRPLANES AND STRUCTURAL PARTS THEREOF.

Claims use since November 1937.

Ser. No. 554,254. POLYSCOPE EQUIPMENT & APPLIANCE CO. INC., Brooklyn, N. Y. Filed Apr. 9, 1948.



The representation of the goods is disclaimed.

FOR AUTOMOBILE MIRRORS.

Claims use since Mar. 15, 1948.

Ser. No. 554,569. THE HEFFMAN MANUFACTURING COMPANY, Dayton, Ohio. Filed Apr. 14, 1948. Under section 2f of the act of 1946.



Applicant claims ownership of Registrations Nos. 312,692 and 318,110.

FOR BICYCLES, AND STRUCTURAL PARTS THEREFOR.

Claims use since May 2, 1934.

Ser. No. 555,033. RICHARD G. WILKINSON, doing business as Highway Truck Equipment Co., Buffalo, N. Y. Filed Apr. 19, 1948.

MONARCH

FOR FUEL TANKS FOR AUTOMOTIVE VEHICLES.

Claims use since Oct. 1, 1945.

Ser. No. 555,154. A. S. CAMPBELL CO., INC., doing business as Cello Products Company, Boston, Mass. Filed Apr. 21, 1948.

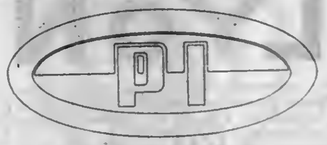
CELLO

Applicant claims ownership of Registrations Nos. 115,879 (renewed), and 131,965 (renewed).

FOR AUTOMOBILE PARTS AND EQUIPMENT, NOT INCLUDING ENGINES, SPECIFICALLY, LICENSE-PLATE FRAMES, BUMPER GUARDS, AND DOLLY TRUCKS FOR RECEIVING THE WHEEL OF A VEHICLE TO SUPPORT THE LATTER (FLAT TIRE TRUCKS).

Claims use on license-plate frames since 1934; on bomper guards since 1935; and on dolly trucks since on or about June 2, 1941.

Ser. No. 557,308. PARSONS INDUSTRIES, INC., Traverse City, Mich. Filed May 18, 1948.



FOR AIRCRAFT ROTOR BLADES.

Claims use since March 1948.

Ser. No. 559,243. CHARLES PECKAT MANUFACTURING CO., Maywood, Ill. Filed June 15, 1948.

Skyshield

FOR WINDSHIELD VISOR OR SUNSHADE FOR AUTOMOBILES.

Claims use since May 1, 1948.

Ser. No. 559,986. ATLAS SUPPLY COMPANY, Newark, N. J. Filed June 23, 1948.

ATLAS

FOR SHOCK ABSORBERS FOR AUTOMOBILES.

Claims use since Apr. 18, 1948.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 479,901. RAYTHEON MANUFACTURING COMPANY, Newton, Mass. Filed Sept. 5, 1947; originally filed, act of 1905, Feb. 16, 1945. Under section 2f of the act of 1946.

WELD POWER

FOR APPARATUS FOR SUPPLYING IMPULSES OF CURRENT TO ELECTRIC WELDING MACHINES.

Claims use since Mar. 1, 1940.

Ser. No. 513,852. SPERRY GYROSCOPE COMPANY, INC., Great Neck, N. Y., now by merger The Sperry Corporation, a corporation of Delaware. Filed Dec. 4, 1947; originally filed, act of 1905, Dec. 6, 1946. Under section 2f of the act of 1946 as to "Sperry."

SPERRY

FOR THERMIONIC TUBES—NAMELY, KLYSTRON TUBES AND TUNERS THEREFOR, MAGNETRON TUBES, AND GAS SWITCHING TUBES.

Claims use since Apr. 16, 1940.

Ser. No. 521,922. JOHN OSTER MANUFACTURING COMPANY, Racine, Wis. Filed Nov. 28, 1947; originally filed, act of 1905, May 5, 1947. Under section 2f of the act of 1946.

Oster Latherservice

FOR ELECTRIC LATHER MAKING AND DISPENSING APPARATUS FOR BARBERS.

Claims use since Apr. 10, 1940.

Ser. No. 527,649. A. O. SMITH CORPORATION, Milwaukee, Wis. Filed July 5, 1947. Under section 2f of the act of 1946.



FOR ELECTRIC WELDING APPARATUS—NAMELY, ARC WELDERS.

Claims use since Jan. 6, 1941.

Ser. No. 529,070. LOSEE PRODUCTS CO., Hebron, Ill. Filed July 21, 1947. Under section 2f of the act of 1946.

DAIRY-MAID

Applicant claims ownership of Registration No. 359,046.

FOR ELECTRIC WATER HEATERS.

Claims use since 1937.

Ser. No. 533,373. THE PORTABLE LIGHT CO., INC., New York, N. Y. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

RAY-LINE

FOR ELECTRICAL MARINE APPARATUS—NAMELY, SEARCHLIGHTS, HORNS, AND SIRENS AND PARTS THEREOF.

Claims use since January 1939.

Ser. No. 533,496. GENERAL RADIO COMPANY, Cambridge, Mass. Filed Aug. 21, 1947.

GENERAL RADIO CO.

The words "Radio Co." are disclaimed. Applicant claims ownership of Registrations Nos. 167,384, 171,090, 190,477, and 192,285.

FOR ELECTRICAL APPARATUS—NAMELY, AUDIO AND RADIO GENERATORS, OSCILLATORS, DETECTOR ASSEMBLIES AND CIRCUITS, RECTIFIERS AND AMPLIFIERS, DIRECT AND ALTERNATING CURRENT; VOLTAGE, CURRENT, AND ELECTRONIC POWER-SUPPLY SYSTEMS; VIBRATION PICK-UPS FOR GENERATING VOLTAGES IN RESPONSE TO MECHANICAL VIBRATIONS; AUDIO-FREQUENCY AND RADIO-FREQUENCY TRANSFORMERS; CONNECTORS, INSULATORS, BINDING POSTS, SWITCHES, CONTACTORS, CONTACT MEMBERS, KNOBS, SOCKETS, RHEOSTATS, POTENTIOMETERS FOR USE IN RADIO AND SIMILAR APPARATUS, RESISTORS, ATTENUATORS, AND VOLTAGE DIVIDERS; CAPACITORS, INDUCTORS, AND CHOKES; ELECTRIC AND ELECTRONIC CONTROL BOXES AND MOTOR-SPEED CONTROL CIRCUITS; RADIO AND OTHER DIALS FOR USE ON ELECTRICAL COMPONENTS AND INSTRUMENTS; ELECTRO-MECHANICAL HUMMER OSCILLATORS; PIEZO-ELECTRIC CRYSTALS; ELECTRIC FILTERS; TRANSMISSION-LINE PHASE, INSERTION AND TERMINAL UNITS; AND TUNED ELECTRIC CIRCUITS FOR SUPPRESSING HARMONICS AND OTHER FREQUENCY COMPONENTS, NOISE AND HUM.

Claims use since January 1916.

Ser. No. 533,500. GENERAL RADIO COMPANY, Cambridge, Mass. Filed Aug. 22, 1947.



Applicant claims ownership of Registrations Nos. 190,477 and 192,285.

FOR ELECTRICAL APPARATUS—NAMELY, AUDIO AND RADIO GENERATORS, OSCILLATORS, DETECTOR ASSEMBLIES AND CIRCUITS, RECTIFIERS AND AMPLIFIERS, DIRECT AND ALTERNATING CURRENT; VOLTAGE, CURRENT, AND ELECTRONIC POWER-SUPPLY SYSTEMS; VIBRATION PICK-UPS FOR GENERATING VOLTAGES IN RESPONSE TO MECHANICAL VIBRATIONS; AUDIO-FREQUENCY AND

RADIO-FREQUENCY TRANSFORMERS; CONNECTORS, INSULATORS, BINDING POSTS, SWITCHES, CONTACTORS, CONTACT MEMBERS, KNOBS, SOCKETS, RHEOSTATS, POTENTIOMETERS FOR USE IN RADIO AND SIMILAR APPARATUS, RESISTORS, ATTENUATORS, AND VOLTAGE DIVIDERS; CAPACITORS, INDUCTORS, AND CHOKES; ELECTRIC AND ELECTRONIC CONTROL BOXES AND MOTOR-SPEED CONTROL CIRCUITS; RADIO AND OTHER DIALS FOR USE ON ELECTRICAL COMPONENTS AND INSTRUMENTS; ELECTRO-MECHANICAL HUMMER OSCILLATORS; PIEZO-ELECTRIC CRYSTALS; ELECTRIC FILTERS; TRANSMISSION-LINE PHASE, INSERTION AND TERMINAL UNITS; AND TUNED ELECTRIC CIRCUITS FOR SUPPRESSING HARMONICS AND OTHER FREQUENCY COMPONENTS, NOISE AND HUM.
Claims use since Oct. 1, 1923.

Ser. No. 538,845. AMPLIFIER CORP. OF AMERICA, New York, N. Y. Filed Oct. 24, 1947.

MAGNERIBBON

FOR MAGNETIC TAPE FOR USE IN MAGNETIC SOUND RECORDING AND REPRODUCING APPARATUS.
Claims use since Oct. 17, 1947.

Ser. No. 539,883. MONARK BATTERY COMPANY, INC., Chicago, Ill. Filed July 17, 1947.

INVADER

Applicant claims ownership of Registration No. 310,055.
FOR STORAGE BATTERIES.
Claims use since Sept. 28, 1933.

Ser. No. 545,621. DINGS MAGNETIC SEPARATOR CO., Milwaukee, Wis. Filed Dec. 29, 1947. Under section 2f of the act of 1946.

DINGS

Applicant claims ownership of Registration Nos. 138,390, 177,846, and 390,697.
FOR MAGNETS, MAGNETIC CLUTCHES, MAGNETIC CHUCKS, MAGNETIC PULLEYS, AND MAGNETIC SEPARATORS.
Claims use since July 1, 1899.

Ser. No. 545,623. DINGS MAGNETIC SEPARATOR CO., Milwaukee, Wis. Filed Dec. 29, 1947.

PERMA

FOR MAGNETS AND MAGNETIC PULLEYS.
Claims use since Sept. 30, 1947.

Ser. No. 545,736. GENERAL CABLE CORPORATION, New York, N. Y. Filed Dec. 30, 1947.

NEOTEL

FOR INSULATED ELECTRICAL CONDUCTORS, SPECIFICALLY TELEPHONE DROP WIRE.
Claims use since Nov. 26, 1947.

Ser. No. 546,597. OLSON RADIO WAREHOUSE, INC., Akron, Ohio. Filed Jan. 9, 1948.

AKRAD

FOR ELECTRICAL APPARATUS—NAMELY, RADIO RECEIVING AND/OR TRANSMITTING SETS, PUBLIC ADDRESS AND INTEROFFICE COMMUNICATION SYSTEMS, ELECTRIC PHONOGRAPHS, CONDENSERS, TRANSFORMERS, RESISTORS, VOLUME CONTROLS, CHOKES, SPEAKERS, COILS, SWITCHES, ANTENNAS, AND MICROPHONES.
Claims use since May 1, 1947.

Ser. No. 548,507. MAGINNIS POWER TOOL CO., Mansfield, Ohio. Filed Feb. 2, 1948.

HI-LECTRIC

The word "Lectric" is disclaimed apart from the mark.
FOR ELECTRIC APPARATUS—NAMELY, GENERATORS, LINE CABLES, HAND PORTABLE SAWS, GRINDERS AND SURFACERS FOR USE ON CONCRETE; ELECTRICALLY DRIVEN, HAND PORTABLE ECCENTRIC DEVICES FOR USE IN VIBRATING CONCRETE; AND ELECTRIC PLUGS AND CONNECTORS.
Claims use since Apr. 4, 1947.

Ser. No. 549,874. BENDIX AVIATION CORPORATION, Detroit, Mich. Filed Feb. 17, 1948. Under section 2f of the act of 1946.

Bendix

Applicant claims ownership of Registrations Nos. 350,152, 357,382, and 380,129.
FOR RADIO TRANSMITTERS AND RECEIVERS, RADIO TUBES AND TELEVISION RECEIVERS.
Claims use on radio transmitters and receivers in its present form since March 1945; and on "Bendix" in block form and other forms since Jan. 8, 1936.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 530,979. SPORT PRODUCTS, INC., Cincinnati, Ohio. Filed Aug. 9, 1947. Under section 2f of the act of 1946.

Draper-Maynard

FOR ATHLETIC EQUIPMENT—NAMELY, BLOCKING PADS, SHOULDER PADS, HELMETS, NOSE GUARDS, SHOULDER PAD CUSHIONS, STRIKING BAGS, BOXING EAR AND FACE PROTECTORS, BASEBALL MITTS, LEG GUARDS, MASKS, BODY PROTECTORS, BAT BAGS, GLOVES, KNEE PADS, ELBOW PADS, SHIN GUARDS, BASKETBALLS, SOCCERBALLS, VOLLEYBALLS, FOOTBALLS, MEDICINE BALLS, SPEED BALLS, TETHER BALLS, SOFTBALLS, BASEBALLS, BASERALL RATS, SOFTBALL RATS, SLIDING PADS, THIGH GUARDS, GOLF CLUBS, GOLF BALLS, KIDNEY PADS, BOXER'S HAND WRAPS, BOXING GLOVES, AND TENNIS RACKETS.
Claims use since Oct. 1, 1900.

Ser. No. 543,356. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

EVANS

Applicant claims ownership of Registration No. 228,489.
FOR SPOONS FOR ARTIFICIAL FISHING BAIT.
Claims use since Feb. 1, 1926.

Ser. No. 543,358. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

SELF STRIKER

Applicant claims ownership of Registration No. 228,488.
FOR SPOONS FOR ARTIFICIAL FISHING BAIT.
Claims use since Feb. 1, 1926.

Ser. No. 546,355. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Jan. 7, 1948.

Sportsman

FOR BILLIARD TABLES AND BILLIARD CUES.
Claims use since Oct. 29, 1947.

Ser. No. 554,008. PARKER BROTHERS, INC., Salem, Mass. Filed Apr. 15, 1948.

WINGS

Applicant claims ownership of Registration No. 243,417.
FOR CARD GAME.
Claims use since Feb. 8, 1928.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 493,385. N. P. NELSON IRON WORKS, INC., Clifton, N. J. Filed Dec. 16, 1947; originally filed, act of 1905, Dec. 15, 1945. Under section 2f of the act of 1946.

NELSON

No claim is made to the representation of the goods apart from the mark as shown.
FOR BUCKET LOADERS, SNOW LOADERS, BELT CONVEYORS, TRACTORS, CRANES, CATCH BASIN CRANES, ORANGE PEEL BUCKETS.
Claims use since Oct. 1, 1922.

Ser. No. 500,226. KERR MANUFACTURING COMPANY, Detroit, Mich., by change of name from Kerr Dental Manufacturing Company. Filed Oct. 10, 1947; originally filed, act of 1905, Apr. 15, 1946.

GYROCAST

FOR MACHINES FOR INDUSTRIAL PRECISION CENTRIFUGAL CASTING.
Claims use since Jan. 29, 1940.

Ser. No. 532,302. HERMAN B. LAYMON, doing business as World's Products Company, Spencer, Ind. Filed Aug. 25, 1947. Under section 2f of the act of 1946.

Laymon's

Applicant claims ownership of Registration No. 330,864.
FOR RAZOR BLADES.
Claims use since June 1, 1931.

Ser. No. 533,710. CUTTING SPECIALTIES, INCORPORATED, Detroit, Mich. Filed Sept. 8, 1947.



The representation of a human attired in running togs is purely fanciful.
FOR CIRCULAR METAL CUTTING SAWS, CIRCULAR WOOD CUTTING SAWS, WOOD CUTTING BAND RESAWS, WOOD CUTTING BAND SCROLL SAWS, SPRING TEMPER METAL CUTTING BAND SAWS, WOOD WORKING STICKER KNIVES, JOINTER KNIVES, PLANER KNIVES, SERRATED BACK HIGH SPEED STEEL KNIVES, SHAPER CUTTING TOOLS, WOOD WORKING FORMED KNIVES, WING CUTTERS, WOOD WORKING SASH CUTTER SET, CABINET CUTTER SET, MOLDING AND COPING CUTTERS, WOOD CUTTING TOOLS KNOWN AS PANEL RAISERS WHICH ARE USED FOR CUTTING GROOVES ON CUPBOARD PANELS, WOOD CUTTING TOOLS KNOWN AS SCREEN MAKING SETS WHICH ARE USED FOR GROOVING THE ENDS OF WOODEN FRAME PIECES TO ADAPT THE PIECES FOR JOINING TOGETHER TO FORM THE SCREEN FRAME, TUNGSTEN CARBIDE TIPPED KNIVES AND CUTTERS FOR BOTH WOOD AND METAL, ROTARY SHEAR KNIVES, AND HARDENED AND GROUND FLITTER SPACER DISCS.
Claims use since Mar. 2, 1947.

Ser. No. 534,050. MOSSBERG PRESSED STEEL CORPORATION, Attleboro, Mass. Filed Sept. 16, 1947.

NO-CREV

FOR ACCESSORIES FOR TEXTILE, WIRE, AND RUBBER MACHINERY—NAMELY, METAL SPOOLS AND REELS, METAL WARP BEAMS, AND METAL BOBBINS.
Claims use since May 15, 1947.

Ser. No. 535,194. SUN OIL COMPANY, Philadelphia, Pa. Filed Sept. 20, 1947.

SUNOCO

FOR TIRE IRONS; LUG WRENCHES; RUBBER TIRE MALLETS; AND TIRE SPREADERS.
Claims use since July 2, 1947.

Ser. No. 535,586. THE MURRAY COMPANY, Dallas, Tex. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

CARVER

Applicant claims ownership of Registration No. 324,996.
FOR LINTERS AND LINT CLEANING MACHINERY FOR COTTONSEED, HULLERS, SHAKERS, SEPARATORS, HULL BEATERS AND PURIFIERS FOR COTTONSEED AND OTHER OIL BEARING SEEDS AND NUTS, GIN AND LINTER SAWS, LINTER SAW FILING AND GUMMING MACHINES AND SAW MILLS.
Claims use on linters, shakers, separators, hull beaters, purifiers, and gin and linter saws since 1912; on hullers since 1915; on linter saw filing and gumming machines since 1923; on lint cleaning machinery since 1938; and on saw mills since 1902.

Ser. No. 538,448. PIONEER ENGINEERING WORKS, INC., Minneapolis, Minn. Filed Oct. 20, 1947.

Continuflo

FOR PORTABLE ROCK CRUSHING PLANTS, PORTABLE SCREENING PLANTS, VIBRATING SCREENS, BELT CONVEYORS, PORTABLE ASPHALT PLANTS, PORTABLE CRUSHING AND SCREENING PLANTS, SAND AND ROCK DRIERS, SAND DEHYDRATORS, CLAY AND ASPHALT MIXERS, GRADATION UNITS FOR GRADING CRUSHED ROCK AND GRAVEL, GRAVEL WASHING PLANTS, AND CLAY STABILIZING PLANTS.
Claims use since September 1946.

Ser. No. 541,930. HARDINGE BROTHERS, INC., Elmira, N. Y. Filed Nov. 21, 1947. Under section 2f of the act of 1946.

HARDINGE

FOR LATHES, CHUCKING MACHINES, MILLING MACHINES, AND PARTS THEREOF; COLLETS, FEED FINGERS, CHUCKS, AND PADS THEREFOR; SPEED COLLET CHUCKS AND COLLET INDEX FIXTURES; COLLET STOPS; FORM TOOLS, CUT-OFF TOOLS, AND SHARPENING JIGS THEREFOR.
Claims use on lathes and parts thereof since the year 1900; on milling machines and parts thereof since the year 1910; on speed collet chucks and collet index fixtures since 1935; on feed fingers, chucks, and pads therefor, collet stops, form tools, cut-off tools, and screw machines since 1938; and on sharpening jigs for form tools since 1940.

Ser. No. 544,008. UNION CUTLERY COMPANY, INC., Olean, N. Y. Filed Dec. 10, 1947.

KA-BAR

Applicant claims ownership of Registration No. 178,082.
FOR KNIVES DESIGNED PARTICULARLY FOR USE BY HUNTERS, FISHERMEN AND CAMPERS, AND POCKET-KNIVES, PRUNING KNIVES, BUTCHER KNIVES, PARING KNIVES, RAZORS, AND SHEARS.
Claims use since Jan. 1, 1923.

Ser. No. 544,009. UNION CUTLERY COMPANY, INC., Olean, N. Y. Filed Dec. 10, 1947.

THE UNION

Applicant claims ownership of Registration No. 168,642.
FOR CUTLERY—VIZ., RAZORS, POCKET-KNIVES, AND BUTCHER KNIVES.
Claims use since 1903.

Ser. No. 545,212. ALADDIN MANUFACTURING COMPANY, INC., Kansas City, Mo. Filed Dec. 23, 1947.

Aladdin's Tool



The word "Tool" is disclaimed apart from the mark.
FOR WOOD SHAPING ARBORS.
Claims use since Nov. 8, 1947.

Ser. No. 546,427. REED ROLLER BIT COMPANY, Houston, Tex. Filed Jan. 7, 1948.



FOR ROLLER TYPE EARTH DRILLING BITS; SCRAPE TYPE EARTH DRILLING BITS; BIT BREAK OUT PLATES FOR RECEIVING AND HOLDING EARTH DRILLING BITS WHILE CONNECTING AND DISCONNECTING THEM FROM DRILL STEMS; TOOL JOINTS FOR DRILL STEMS; EARTH DRILLING CORE BITS AND WIRE LINE RETRACTABLE CORE BARRELS THEREFOR, BOTH PROTRUDING AND NON-PROTRUDING TYPES; DRILL COLLARS; DRILLING SUBSTITUTES SUCH AS THREADED COUPLING JOINTS OR MEMBERS; EARTH BORE HOLE REAMERS; EARTH DRILLING PILOT BITS; EARTH DRILLING CORE BITS AND NON-RETRACTABLE CORE BARRELS FOR USE THEREWITH; EARTH DRILLING BASKET BITS ADAPTED TO TRAP AND REMOVE LOST NON-DRILLABLE PARTS FROM AN EARTH BORE HOLE; AND PARTS THEREFOR.
Claims use since 1927.

Ser. No. 548,363. HANSON-VAN WINKLE-MUNNING COMPANY, Matawan, N. J., assignor to Optimus Equipment Company, Matawan, N. J., a corporation of New Jersey. Filed Jan. 30, 1948.

OPTIMUS

FOR MACHINES FOR WASHING, RINSING, AND DRYING METAL AND OTHER SOLID SURFACES.
Claims use since Sept. 29, 1944.

Ser. No. 556,085. NATIONAL SEWING MACHINE COMPANY, Belvidere, Ill. Filed Jan. 3, 1948. Under section 2f of the act of 1946.

DAVIS

Applicant claims ownership of Registration No. 268,992.
FOR SEWING MACHINES AND ATTACHMENTS.
Claims use since Jan. 1, 1900.

Ser. No. 561,391. BRINLY-HARDY COMPANY, Louisville, Ky. Filed Mar. 1, 1948.

BIG JEFF

Applicant claims ownership of Registration No. 240,967.
FOR PLOWS AND PARTS THEREOF.
Claims use since June 1, 1923.

Ser. No. 561,392. BRINLY-HARDY COMPANY, Louisville, Ky. Filed Mar. 1, 1948.

BINGO

Applicant claims ownership of Registration No. 240,966.
FOR MIDDLE-BREAKER PLOWS AND PARTS THEREOF.
Claims use since Sept. 1, 1924.

Ser. No. 561,393. BRINLY-HARDY COMPANY, Louisville, Ky. Filed Mar. 1, 1948.

BLACK JACK

Applicant claims ownership of Registration No. 240,963.
FOR PLOWS AND PARTS THEREOF.
Claims use since June 1, 1923.

Ser. No. 561,395. BRINLY-HARDY COMPANY, Louisville, Ky. Filed Mar. 1, 1948.

BRONCHO

Applicant claims ownership of Registration No. 240,964.
FOR PLOWS AND PARTS THEREOF.
Claims use since Mar. 1, 1906.

Ser. No. 561,396. BRINLY-HARDY COMPANY, Louisville, Ky. Filed Mar. 1, 1948.

RUFUS

Applicant claims ownership of Registrattou No. 241,608.
FOR CULTIVATORS.
Claims use since Apr. 1, 1908.

CLASS 24
LAUNDRY APPLIANCES AND MACHINES

Ser. No. 544,440. HORTON MANUFACTURING COMPANY, Fort Wayne, Ind. Filed Dec. 16, 1947. Under section 2f of the act of 1946.

HORTON

Applicant claims ownership of Registrations Nos. 219,010 and 374,316.
FOR WASHING MACHINES AND IRONING MACHINES.
Claims use since 1898.

CLASS 25
LOCKS AND SAFES

Ser. No. 543,080. BLUE DIAMOND SAFE CO., Wichita, Kans. Filed Dec. 8, 1947.

BLUE DIAMOND FLOOR AND WALL SAFES

The words "Floor and Wall Safes" are disclaimed.
FOR FLOOR AND WALL SAFES.
Claims use since Sept. 15, 1946.

CLASS 26
MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 544,258. WILLIAM ESTEP, Chicago, Ill. Filed Dec. 13, 1947.

KANSE

FOR EXERCISING GOGGLES.
Claims use since Aug. 6, 1947.

Ser. No. 549,259. INSTAPRINT, New York, N. Y. Filed Feb. 10, 1948.

COPY CAT

The word "Copy" is disclaimed.
FOR PHOTOGRAPHIC CONTACT PRINTER.
Claims use since October 1946.

Ser. No. 553,047. AERO SERVICE CORPORATION, Philadelphia, Pa. Filed Mar. 26, 1948.



The representation of the camera is disclaimed. Applicant claims ownership of Registration No. 398,366.
FOR CORRECTING PROJECTORS WITH COMPARITORS, ORTHOGRAPHS, TRACING PROJECTORS, PRECISION GLASS PLATE ENLARGERS, PARALLAX MEASURING INSTRUMENTS BEING MECHANICAL DEVICES THAT RECONSTRUCT SOME OF THE INTERIOR ELEMENTS OF AERIAL CAMERAS; REPORTING AIRPLANE NAVIGATIONAL INSTRUMENTS THAT APPEAR IN USE IN THE INSTRUMENT PANELS OF THE AIRCRAFT; AERIAL CAMERAS, DEVELOPING UNITS, CONTACT PRINTERS, INSPECTION REELS, ENLARGING PROJECTORS, RECTIFYING PROJECTORS, COPYING CAMERAS, ELECTRONIC INSTRUMENTS FOR MEASURING THE AMOUNT OF MAGNETIC FIELD, AND AN INSTRUMENT FOR PERMITTING TWO PLANE IMAGES TO BE VIEWED SIMULTANEOUSLY AND SUPERIMPOSED THROUGH THE USE OF A HALF SILVERED MIRROR AND OTHER OPTICAL PARTS, THE PLANES BEING TILTED OR NOT AS DESIRED ONE WITH RESPECT TO THE OTHER, AND VARIOUS SCALE RATIOS BEING POSSIBLE.
Claims use since June 25, 1934.

Ser. No. 553,733. THE MYKROM CO., Portland, Oreg. Filed Apr. 2, 1948.

MYKROM

FOR TELESCOPIC SIGHTS FOR RIFLES.
Claims use since Mar. 16, 1948.

Ser. No. 554,354. ANDERSON-STOLZ PHARMACEUTICALS, INC., Kansas City, Mo. Filed Apr. 12, 1948.

STATICATOR

FOR ELECTRICAL CHARGE DETECTING INSTRUMENTS HAVING MEANS FOR ACTUATING A SIGNAL WHEN POSITIONED IN PROXIMITY TO A STATIC ELECTRICAL CHARGE.
Claims use since Mar. 20, 1948.

Ser. No. 554,709. COLUMBIA PROTEKTOSITE CO. INC., Carlstadt, N. J. Filed Apr. 16, 1948.

EXELENZ

FOR EYE-GLASSES, OPHTHALMIC LENSES, AND EYE-GLASS FRAMES.
Claims use since Jan. 1, 1948.

Ser. No. 554,815. RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 16, 1948. Under section 2f of the act of 1946.

PHOTOPHONE

Applicant claims ownership of Registration No. 283,429.
FOR SOUNDHEADS AND RACKS PROVIDED WITH MOUNTED UNITS OF AMPLIFIERS ESPECIALLY ADAPTED FOR COMBINED SOUND AND FILM PROJECTING AND REPRODUCING EQUIPMENT.
Claims use since January 1930.

Ser. No. 555,111. HARRY MANN, Chicago, Ill. Filed Apr. 20, 1948.

HEM MASTER

The word "Hem" is disclaimed apart from the mark as shown.
FOR GAUGE FOR MEASURING AND MARKING THE HEM OF GARMENTS.
Claims use since Apr. 5, 1948.

Ser. No. 555,746. CHARLES FOSTER, New York, N. Y. Filed Apr. 28, 1948. Under section 2f of the act of 1946.

Charles Foster

FOR OPTICAL GOODS—NAMELY, SPECTACLES, GOGGLES, SUN GLASSES, FRAMES, EYE SHADES, LENSES, MOUNTINGS, AND PARTS THEREOF.
Claims use since Jan. 10, 1943.

Ser. No. 559,660. A. B. DICK COMPANY, Chicago, Ill. Filed June 18, 1948.

DAB

Applicant claims ownership of Registrations Nos. 415,230, 420,026, and 432,257.
FOR LETTERING AND DRAFTING GUIDES AND RULES.
Claims use since Dec. 17, 1947.

Ser. No. 559,662. THE JEM CAMERA CO., Newark, N. J. Filed June 17, 1948.

JEMCO

FOR CAMERAS.
Claims use since Apr. 15, 1948.

Ser. No. 559,663. THE JEM CAMERA CO., Newark, N. J. Filed June 17, 1948.

JEM JR.

FOR CAMERAS.
Claims use since Apr. 15, 1948.

Ser. No. 559,698. THE FR CORPORATION, New York, N. Y. Filed June 19, 1948.



Applicant claims ownership of Registrations Nos. 358,601, 358,602, and 366,671.
FOR FILM WIPERS AND PARTS THEREOF, FILM DEVELOPING TANKS AND PARTS THEREOF, THERMOMETERS, TIMERS, FILM RACKS, FILM CLIPS, PHOTOGRAPHIC LIGHTS, TONGS FOR HANDLING PHOTOGRAPHIC FILMS AND PAPERS, TRAYS FOR PROCESSING PHOTOGRAPHIC FILMS AND PAPERS, FILTERS FOR PHOTOGRAPHIC USES AND PADS THEREFOR, EASELS FOR PHOTOGRAPHIC PAPERS AND FILMS, PRINTING FRAMES, FILM AND PAPER SAFETY LIGHTS, CHEMICAL MIXING GRADUATES.
Claims use since December 1936.

Ser. No. 559,699. THE FR CORPORATION, New York, N. Y. Filed June 19, 1948.

fR

Applicant claims ownership of Registrations Nos. 358,601, 358,602, and 366,671.
FOR FILM WIPERS AND PARTS THEREOF, FILM DEVELOPING TANKS AND PARTS THEREOF, THERMOMETERS, TIMERS, FILM RACKS, FILM CLIPS, PHOTOGRAPHIC LIGHTS, TONGS FOR HANDLING PHOTOGRAPHIC FILMS AND PAPERS, TRAYS FOR PROCESSING PHOTOGRAPHIC FILMS AND PAPERS, FILTERS FOR PHOTOGRAPHIC USES AND PADS THEREFOR, EASELS FOR PHOTOGRAPHIC PAPERS AND FILMS, PRINTING FRAMES, FILM AND PAPER SAFETY LIGHTS, CHEMICAL MIXING GRADUATES.
Claims use since Feb. 21, 1936.

Ser. No. 559,738. VICTOR SILSON, doing business as Victor Silson Company, New York, N. Y., assignor to Lugene Inc. Filed June 19, 1948.
Filed June 19, 1948.

Riviera

FOR SUNGLASSES, SPECTACLE FRAMES.
Claims use since April 1948.

CLASS 27
HOROLOGICAL INSTRUMENTS

Ser. No. 564,442. FABRIQUE D'HORLOGERIE CHS. TISSOT & FILS SOCIETE ANONYME, Le Locle, Switzerland. Filed Aug. 31, 1948. Under section 2f of the act of 1946.

CH. F. TISSOT & FILS
LOCLE

Applicant claims ownership of United States Registrations Nos. 258,185, 263,633, and 344,103, and Swiss Registration No. 56,944, dated Aug. 21, 1924.
FOR WATCHES, DIALS, CLOCKWORKS, WATCH-CASES.
Claims use since July 25, 1924.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 541,499. BLISS BROTHERS COMPANY, Attleboro, Mass. Filed Nov. 18, 1947.



Applicant claims ownership of Registration No. 79,811.
FOR COMPACTS, CIGARETTE CASES, LIPSTICKS, PILL BOXES, ROSARY CASES, ROSARIES, ORNAMENTAL HAT BANDS USED ON UNIFORMS, LIGHTERS, AND COMBS, MADE WHOLLY OR PARTLY OF PRECIOUS METALS, AND FOR JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES—NAMELY, WATCH ATTACHMENTS, LOCKETS, AND COSTUME JEWELRY.
Claims use on compacts, cigarette cases, lipsticks, and combs, made wholly or partly of precious metal, since 1918; and on jewelry for personal adornment since June 1, 1908.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 543,782. CHARLETON DECORATING COMPANY, New York, N. Y. Filed Dec. 9, 1947.

Charleton

FOR CHINAWARE—TO WIT, DINNERWARE, TEA SETS, VASES, BOXES, FLOWER POTS, CAKE PLATES, DINNER PLATES, CUPS AND SAUCERS, HORS-D'OEUVRE PLATES, TEA SETS, AND COFFEE POTS.
Claims use since Dec. 4, 1944.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 532,262. OSHKOSH FILTER & SOFTENER COMPANY, Oshkosh, Wis. Filed Mar. 18, 1948.



Applicant disclaims the words "Oshkosh Filter & Softener Co.," "Water Treating Equipment," "Softeners, Filters, Purifiers," and "Oshkosh, Wisconsin" as any part of said trade-mark. The drawing fornished as a part of this application is lined for colors, red, blue, and gold.
FOR WATER TREATING EQUIPMENT—NAMELY, CHEMICAL SOFTENERS, FILTERS, AND PURIFIERS.
Claims use since Sept. 10, 1938.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 522,952. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich. Filed July 9, 1947; originally filed, act of 1905, May 24, 1947. Under section 2f of the act of 1946 as to "Burroughs."



Applicant claims ownership of Registration No. 66,134.
FOR OFFICE FURNITURE—NAMELY, OFFICE CHAIRS, BUSINESS MACHINE STANDS, FILING CABINETS, CASH DRAWERS, LEDGER TABLES AND CHECK TABLES AND PARTS THEREFOR, LEDGER TRAYS, BOOK HOLDERS, BILL HOLDERS, AND SLIP COVERS FOR OFFICE CHAIRS.
Claims use since 1886 as to "Burroughs"; and since Mar. 19, 1947, to the rest of the mark.

Ser. No. 536,784. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

EXCELSIOR

Applicant claims ownership of Registrations Nos. 214,733 and 251,479.
FOR WINDOW SHADES, AND FOR WINDOW SHADE ROLLERS.
Claims use since 1897.

Ser. No. 540,232. THOMAR J. DOWD, doing business as Dowd Chair Rental and Sales, Buffalo, N. Y. Filed July 25, 1947. Under section 2f of the act of 1946.



The representation of the chair is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 392,609.
FOR CHAIRS—NAMELY, COLLAPSIBLE CHAIRS AND CHAIRS OF DESIGN AND NATURE ADAPTING

THEM FOR USE AT OCCASIONAL FUNCTIONS SUCH AS FUNERALS, WEDDINGS, RECEPTIONS; TABLES—NAMELY, CARD TABLES, BANQUET TABLES, AND CABARET TABLES; TABLES AND CHAIRS AS DESCRIBED MADE IN WHOLE OR IN PART OF BRIGHT OR PLATED METAL, COMMONLY CALLED "CHROME" CHAIRS, TABLES, OR FURNITURE; AND BARS AND COUNTERS FOR THE DISPENSING AND SERVING OF LIQUID REFRESHMENTS AND COMESTIBLES.
Claims use since June 1929.

Ser. No. 541,850. M & R MANUFACTURING CORP., Brooklyn, N. Y. Filed Nov. 20, 1947.



The word "Babys" is disclaimed.
FOR BABY SAFETY TABLE.
Claims use since Nov. 15, 1947.

Ser. No. 542,213. S. KARPEN & BROS., Chicago, Ill. Filed Aug. 13, 1947. Under section 2f of the act of 1946.

KarpenEase

Applicant claims ownership of Registration No. 281,708.
FOR MATTRESSES, BOX SPRINGS, SOFAS, AND CHAIRS OF THE FURNITURE TYPE.
Claims use since June 1, 1930.

Ser. No. 542,214. S. KARPEN & BROS., Chicago, Ill. Filed Aug. 13, 1947.

Karpenesque

Applicant claims ownership of Registration No. 133,266.
FOR DAVENPORTS, SOFAS, LOVE SEATS, CHAIRS OF THE FURNITURE TYPE, ROCKING CHAIRS, TABLES OF THE FURNITURE TYPE, DESKS, BEDS, DRESSERS, CHESTS OF THE FURNITURE TYPE FOR USE IN BEDROOMS, SIDEBOARDS, BUFFETS, AND CHINA CLOSETS.
Claims use since Dec. 1, 1912.

Ser. No. 544,513. S. KARPEN & BROS., Chicago, Ill. Filed Aug. 13, 1947.

Rest-Rest

Applicant claims ownership of Registration No. 330,789.
FOR MATTRESSES AND BOX SPRINGS.
Claims use since June 1, 1935.

Ser. No. 540,368. NACHMAN CORPORATION, Chicago, Ill. Filed Nov. 18, 1947.

"Kombi"

Applicant claims ownership of Registration No. 112,921.
FOR SPRING ASSEMBLIES FOR UPHOLSTERY.
Claims use since Aug. 1, 1915.

Ser. No. 549,975. SIMMONS COMPANY, New York, N. Y. Filed Feb. 17, 1948.

Purple Label

No registration rights are claimed in the color purple for a label.
FOR MATTRESSES AND BOX SPRINGS.
Claims use since 1922.

Ser. No. 550,315. THOMAS S. DUCK, doing business as T. S. Duck & Co., Ontario, Calif. Filed Feb. 21, 1948.

TINY TEPS

The word "Tiny" is disclaimed.
FOR JUVENILE FURNITURE—NAMELY, A CHILD'S BENCH IN THE FORM OF A PAIR OF STEPS.
Claims use since Jan. 16, 1948.

Ser. No. 550,614. TOLBERT E. RICHARDSON, doing business as Heart of America Venetian Blind Service, Kansas City, Mo. Filed Feb. 26, 1948.

HEART OF AMERICA VENETIAN BLIND SERVICE

The words "America Venetian Blind Service" and the representation of the goods are disclaimed.
FOR VENETIAN BLINDS.
Claims use since Dec. 3, 1947.

Ser. No. 551,824. ROSE-DERRY COMPANY, Newton, Mass. Filed Mar. 12, 1948.

BoPeep

FOR CRIB MATTRESSES.
Claims use since Sept. 20, 1941.

Ser. No. 552,128. DODGE-CULP, INC., Ridley Park, Pa. Filed Mar. 17, 1948.

PLAYINET

FOR PLAYPENS.
Claims use since Sept. 1, 1947.

CLASS 33

GLASSWARE

Ser. No. 543,781. CHARLETON DECORATING COMPANY, New York, N. Y. Filed Dec. 9, 1947.

Charleton

FOR GLASSWARE—TO WIT, VASES, COMPORTS, TRAYS, CANDY BOXES, PLATES, CAKE PLATES, DINNER PLATES, CUPS AND SAUCERS, HORS D'OEUVRE PLATES, TEA SETS, AND COFFEE POTS.
Claims use since Dec. 4, 1944.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 543,401. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio. Filed Dec. 5, 1947. Under section 2f of the act of 1946.

JEFFREY

FOR BLOWERS AND EXHAUSTERS AND PARTS THEREOF, FANS (MINE VENTILATING) AND PARTS THEREOF, AND FAN BLADES.
Claims use since Oct. 21, 1932.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 547,215. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Jan. 16, 1948. Under section 2f of the act of 1940.

American Brakeblok

Applicant claims ownership of Registrations Nos. 270,256, 296,390, 351,016, 351,017, 362,651, 368,614, and 403,270.
FOR FRICTIONAL ELEMENTS FOR BRAKES AND CLUTCHES; AND FOR FAN BELTS, RADIATOR HOSE, AND GENERATOR COUPLINGS, MADE PARTLY OF RUBBER.
Claims use since Feb. 15, 1936.

CLASS 37

PAPER AND STATIONERY

Ser. No. 553,479. DENNISON MANUFACTURING COMPANY, Framingham, Mass. Filed Mar. 31, 1948. Under section 2f of the act of 1946.

Fine Piqué

FOR TISSUE PAPER.
Claims use since February 1940.

Ser. No. 554,428. SCOTT PAPER COMPANY, Chester, Pa. Filed Apr. 12, 1948. Under section 2f of the act of 1946.

Scottowels

Applicant claims ownership of Registration No. 297,302.
FOR PAPER TOWELS.
Claims use since July 28, 1931.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 493,463. SOUTHERN CALIFORNIA SECTION OF THE AMERICAN CHEMICAL SOCIETY, Los Angeles, Calif. Filed June 24, 1948; originally filed, act of 1905, Dec. 17, 1945.

SCALACS

FOR MONTHLY BULLETIN.
Claims use since Sept. 28, 1945.

Ser. No. 547,839. FRANK P. ENGLANDER, New York, N. Y. Filed Apr. 29, 1948; originally filed, act of 1905, Feb. 20, 1947. Under section 2f of the act of 1946.

INTERCOLLEGIATE PRESS BULLETINS

FOR WEEKLY NEWSLETTER DEVOTED TO COLLEGE EVENTS.
Claims use since January 1935.

Ser. No. 533,504. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio. Filed Aug. 29, 1947.



FOR HOUSE ORGAN, COLOR CHIP COMPILATIONS, AND PRINTED PUBLICATIONS ISSUED FROM TIME TO TIME.
Claims use since 1893.

Ser. No. 536,379. GOLFDOM, INC., Chicago, Ill. Filed Oct. 1, 1947.

GOLFDOM

Applicant claims ownership of Registration No. 237,225.
FOR PERIODICAL PUBLICATION.
Claims use since Feb. 1, 1927.

Ser. No. 539,266. BILL BROTHERS PUBLISHING CORPORATION, New York, N. Y. Filed Oct. 28, 1947. Under section 2f of the act of 1946.

TIRES

Applicant claims ownership of Registration No. 146,924.
FOR TRADE MAGAZINES AND PUBLICATIONS.
Claims use since October 1919.

Ser. No. 547,677. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Jan. 21, 1948.

Mlle merit awards

Applicant claims ownership of Registrations Nos. 398,400, 427,876, and 427,877.
FOR COLUMN IN A PERIODICAL.
Claims use since Jan. 1, 1944.

Ser. No. 547,982. FEATURE PUBLICATIONS, INC., New York, N. Y. Filed Jan. 26, 1948.

YOUNG ROMANCE

The word "Romance" is disclaimed.
FOR PERIODICAL PUBLICATION OF THE COMIC BOOK TYPE.
Claims use since Aug. 2, 1947.

Ser. No. 549,332. BROWN & BIGELOW, St. Paul, Minn. Filed Nov. 5, 1947. Under section 2f of the act of 1946.

ART IN ADVERTISING

Applicant claims ownership of Registration No. 393,595.
FOR WALL CALENDARS.
Claims use since Mar. 1, 1923.

Ser. No. 550,252. W. W. NORTON & COMPANY, INC., New York, N. Y. Filed Feb. 20, 1948.

Books That Live

The word "Books" is disclaimed apart from the mark.
FOR BOOKS.
Claims use since 1929.

Ser. No. 551,423. AHRENS PUBLISHING COMPANY, INC., New York, N. Y. Filed Mar. 8, 1948. Under section 2f of the act of 1946.

Hotel World-Review

FOR NEWSPAPER PUBLISHED WEEKLY.
Claims use since Oct. 7, 1939.

Ser. No. 551,424. AHRENS PUBLISHING COMPANY, INC., New York, N. Y. Filed Mar. 8, 1948. Under section 2f of the act of 1946.

TRAVEL AMERICA

FOR PERIODICAL.
Claims use since 1935.

Ser. No. 551,425. AHRENS PUBLISHING COMPANY, INC., New York, N. Y. Filed Mar. 8, 1948. Under section 2f of the act of 1946.

RESTAURANT
MANAGEMENT

FOR PICTORIAL MAGAZINE OF PROFIT MAKING IDEAS.
Claims use since January 1942.

Ser. No. 555,445. POCKET BOOKS, INC., New York, N. Y. Filed Apr. 23, 1948.



The drawing is lined to indicate the color red. Applicant claims ownership of Registrations Nos. 376,601, 406,443, and 412,812.
FOR BOOKS.
Claims use since Jan. 15, 1946.

Ser. No. 558,025. FAMOUS FUNNIES, INC., Waterbury Conn. Filed May 28, 1948.



The word "Comics" is disclaimed apart from the mark.
FOR COMIC MAGAZINES, CONSISTING OF CARTOONS, COMIC AND CARTOON STRIPS, PUZZLES, GAMES, TRICKS OF MAGIC, STORIES, LESSONS, ADVERTISEMENTS, ETC., PUBLISHED PERIODICALLY.
Claims use since Jan. 30, 1948.

Ser. No. 559,668. THE AMERICA PRESS, New York, N. Y. Filed June 19, 1948.

THE Catholic MIND

No claim is made to the exclusive use of the word "Catholic" apart from the mark shown. Applicant claims ownership of Registration No. 230,260.
FOR PUBLICATION ISSUED MONTHLY CONSTITUTING A SELECTION OF PRINTED ARTICLES ON QUESTIONS OF THE DAY COLLECTED FROM THE BEST CATHOLIC PERIODICALS.
Claims use since Jan. 8, 1903.

Ser. No. 559,838. FELTUS PRINTING COMPANY, INC., Bloomington, Ind. Filed June 21, 1948.

The Star Courier

The words "Indiana" and "Bloomington" are disclaimed.
FOR PERIODICAL NEWSPAPERS.
Claims use since Oct. 8, 1943.

Ser. No. 559,975. WALTER KURT WINKELMANN, Sparta, N. J. Filed June 22, 1948.

What Lies Ahead?

FOR NEWSPAPER COLUMN.
Claims use since Feb. 5, 1948.

Ser. No. 560,352. A. POMERANTZ & COMPANY, Philadelphia, Pa. Filed June 28, 1948.

UP-AND-UP

FOR CALENDARS, SOLD AS SUCH.
Claims use since December 1938.

Ser. No. 560,576. KENNEDY SINCLAIRE, INC., New York, N. Y. Filed July 1, 1948.

MONEY MATTERS

FOR PERIODICAL PUBLICATIONS.
Claims use since November 1946.

Ser. No. 560,880. THE FRITO COMPANY, Dallas, Tex. Filed July 8, 1948.

Frito Band wagon

FOR HOUSE ORGAN PUBLISHED PERIODICALLY.
Claims use since Apr. 1, 1939.

CLASS 39
CLOTHING

Ser. No. 488,659. NATIONAL HOSIERY MILLS, INC., Indianapolis, Ind. Filed Apr. 23, 1948; originally filed, act of 1905, Sept. 18, 1945. Under section 2f of the act of 1946.

Round the Clock DEMI

Applicant claims ownership of Registration No. 361,484.
FOR HOSIERY.
Claims use since August 1940.

Ser. No. 519,373. D. ARMSTRONG & COMPANY, INC., Rochester, N. Y. Filed June 21, 1948; originally filed, act of 1905, Mar. 21, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of Registrations Nos. 331,406, 339,975, and 345,047.
FOR SHOES PRINCIPALLY OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since March 1938.

Ser. No. 537,705. KOOLTEX KNITTING MILLS, INC., Mifflinburg, Pa. Filed Oct. 13, 1947.

KOOLTEX

FOR MEN'S AND BOYS' UNDERWEAR—NAMELY, ATHLETIC AND SPORT UNDER SHIRTS AND UNION SUITS; WOMEN'S UNION SUITS, CHILDREN'S UNDERWEAR AND SLEEPING GARMENTS; INFANTS' WEAR—NAMELY, NIGHT GOWNS AND KIMONOS.
Claims use since 1912.

Ser. No. 538,151. LEVY BROS. & ADLER ROCHESTER, INC., Rochester, N. Y. Filed Oct. 17, 1947.



The words "Coat" and "Exclusive" are disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 242,500, 334,485, and 339,722.
FOR MEN'S COATS.
Claims use since Aug. 6, 1947.

Ser. No. 540,747. WAMSUTTA MILLS, New Bedford, Mass. Filed Nov. 10, 1947.



Applicant claims ownership of Registrations Nos. 324,752, 346,077, and 364,093.
FOR MEN'S NEGLIGEE SHIRTS, SHORTS, AND PAJAMAS.
Claims use since July 3, 1934.

Ser. No. 541,423. MARTIN JACOBI, INC., Buffalo, N. Y. Filed Nov. 17, 1947.

Hat-Rite

Applicant disclaims the word "Hat" apart from the mark as shown.
FOR MEN'S HAT STAY—NAMELY, A FLEXIBLE SHEET MEMBER MADE OF A SYNTHETIC PLASTIC AND FORMED TO FIT BETWEEN THE SWEAT BAND AND CROWN OF A FEDORA AND ALSO TO SUPPORT THE CROWN AT THE FORWARD END OF THE USUAL INDENTATION THEREIN.
Claims use since Apr. 3, 1946.

Ser. No. 542,356. RITE-FORM CORSET CO., INC., New York, N. Y. Filed Nov. 25, 1947.

Circ-Tagonal

FOR CORSETS AND GIRDLES FOR LADIES AND MISSES.
Claims use since Oct. 9, 1947.

Ser. No. 542,446. DAMON CREATIONS, INC., New York, N. Y. Filed Nov. 26, 1947.

Original Manay

The drawing is lined for the color gold. Applicant disclaims the right to the exclusive use of the words "An Original by" apart from the mark as shown.
FOR FOUR-IN-HAND NECKTIES, BOW TIES, KNITTED TIES, SCARFS, MUFLERS, DRESS SHIRTS, SPORT SHIRTS, BASQUE SHIRTS, POLO SHIRTS, LOAFER COATS, SPORT JACKETS, SPORT TRUNKS, BATH ROBES, PYJAMAS, SPORT TROUSERS, AND SLACK SUITS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Feb. 1, 1946.

Ser. No. 542,532. CASE CLOTHES, INC., New York, N. Y. Filed Nov. 28, 1947.

Case Clothes

The word "Clothes" is disclaimed.
FOR MEN'S AND WOMEN'S SUITS AND COATS.
Claims use since Jan. 19, 1940.

Ser. No. 543,858. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed Dec. 10, 1947. Under section 2f of the act of 1946.

BALMORAL

Applicant claims ownership of Registration No. 178,914.
FOR MEN'S SUITS, COATS, AND OVERCOATS.
Claims use since Jan. 1, 1914.

Ser. No. 544,841. BATES SHOE COMPANY, Webster, Mass. Filed Dec. 10, 1947.

6 FOOTER

FOR MEN'S SHOES.
Claims use since June 1940 as to "Six-Footer"; and since Oct. 15, 1947, as to the mark shown.

Ser. No. 544,954. WOHL SHOE COMPANY, St. Louis, Mo. Filed Dec. 19, 1947. Under section 2f of the act of 1946.

Corelli

FOR WOMEN'S, GIRLS', AND CHILDREN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Jan. 10, 1939.

Ser. No. 546,866. OWEN SHELDON CORPORATION, New York, N. Y. Filed Jan. 13, 1948.

Golden Key

FOR MEN'S AND BOYS' OUTER SHIRTS AND PAJAMAS OF WOVEN FABRICS.
Claims use since July 1, 1947.

Ser. No. 547,046. STYLEWISE HOSIERY SALES, INC., New York, N. Y. Filed Jan. 14, 1948.

SHS

FOR HOSIERY.
Claims use since Nov. 15, 1947.

Ser. No. 547,228. ARTISTIC FOUNDATIONS, INC., New York, N. Y. Filed Jan. 16, 1948.

flexaire

Applicant claims ownership of Registration No. 387,227.
FOR GIRDLES, CORSETS, AND BRASSIÈRES AND COMBINATIONS THEREOF AND BATHING SUITS.
Claims use since Dec. 14, 1940.

Ser. No. 547,270. NORWICH KNITTING COMPANY, Norwich, N. Y. Filed Jan. 16, 1948.

champknit

Applicant claims ownership of Registration No. 358,456.
FOR POLO SHIRTS, KNIT JACKETS, AND SWEATERS FOR MEN, WOMEN, AND CHILDREN.
Claims use since June 17, 1930.

Ser. No. 547,341. GRO-CORD RUBBER COMPANY, Lima, Ohio. Filed Jan. 17, 1948.

GRO CREPE

The word "Crepe" is disclaimed. Applicant claims ownership of Registrations Nos. 149,142, 285,219, and 285,220.
FOR SOLES AND HEELS.
Claims use since Dec. 9, 1947.

Ser. No. 547,563. LEVY BROTHERS' CLOTHING COMPANY, Tucson, Ariz. Filed Jan. 20, 1948. Under section 2f of the act of 1946.

Arizonian

FOR MEN'S SUITS, TOPCOATS, AND OVERCOATS.
Claims use since Mar. 30, 1936.

Ser. No. 547,679. SWEENEY LITHOGRAPH COMPANY, INC., Belleville, N. J. Filed Jan. 21, 1948.

GLO-VURE

FOR CRAVATS.
Claims use since Nov. 11, 1947.

Ser. No. 548,076. HASPEL BROTHERS, INC., New Orleans, La. Filed Jan. 27, 1948.

PRADO

FOR MEN'S AND BOYS' SUITS, COATS, PANTS, TROUSERS, AND VESTS.
Claims use since August 1936.

Ser. No. 548,584. THE HANOVER SHOE, INC., Hanover, Pa. Filed Feb. 2, 1948. Under section 2f of the act of 1946.

Hanover

FOR SHOES, HOSIERY, AND SLIPPERS.
Claims use since June 1900.

Ser. No. 552,956. LILLY DACHE, INC., New York, N. Y. Filed Mar. 25, 1948. Under section 2f of the act of 1946.

Lilly DACHÉ

The name presented is that of Lilly Dache whose consent to register is of record in this case. Applicant claims ownership of Registrations Nos. 290,975, 298,420, and 419,952.
FOR WOMEN'S AND MISSES' HATS, GLOVES MADE OF BOTH LEATHER AND FABRIC, COLLARS, JACKETS, BLOUSES, OUTER SKIRTS, DRESSES, APRONS, GILETS, AND SCARFS.
Claims use since Mar. 1, 1928 on hats; and on the rest of the goods since year 1931.

Ser. No. 553,818. TICHENOR & FERGUSON, Los Angeles, Calif. Filed Mar. 29, 1948.

Maggyanne



No claim is made to the representation of the goods apart from the mark as shown.
FOR BRASSIÈRES.
Claims use since Dec. 15, 1943, as to "Maggyanne"; and since Mar. 16, 1948, as shown.

Ser. No. 554,051. THE SUPERB GLOVE COMPANY, Johnstown, N. Y. Filed Apr. 7, 1948.

E-VENT by Superb

The word "Superb" is disclaimed apart from the mark.
Applicant claims ownership of Registrations Nos. 393,346, 394,519, 416,598, 501,734, and 501,785.
FOR LADIES' AND MEN'S GLOVES OF LEATHER, FABRIC, AND COMBINATIONS OF SAID MATERIALS.
Claims use since Mar. 3, 1947.

Ser. No. 558,311. NINON BRASSIERE MFG. CO., New York, N. Y. Filed June 2, 1948.

Crestlift

FOR BRASSIÈRES.
Claims use since Dec. 12, 1947.

Ser. No. 558,312. NINON BRASSIERE MFG. CO., New York, N. Y. Filed June 2, 1948.

Fay-mussette

FOR BRASSIÈRES.
Claims use since Dec. 12, 1947.

Ser. No. 558,313. NINON BRASSIERE MFG. CO., New York, N. Y. Filed June 2, 1948.

Petite Plus

FOR BRASSIÈRES.
Claims use since Dec. 12, 1947.

Ser. No. 558,452. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill. Filed June 4, 1948.

HUMMER

FOR GLOVES AND MITTENS OF FABRIC AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since Nov. 1, 1927.

Ser. No. 559,216. DESIRÉ FOUNDATIONS, LTD., New York, N. Y. Filed June 15, 1948.

Nature Girl

BRASSIÈRES, GIRDLES, AND FOUNDATION GARMENTS.
Claims use since June 4, 1948.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 491,283. PIONEER SUSPENDER COMPANY, Philadelphia, Pa. Filed Aug. 26, 1947; originally filed, act of 1905, Nov. 8, 1945.

Stretchway

FOR BUCKLES OF NON-PRECIOUS METAL AND INTENDED FOR USE WITH WEARING-APPAREL-BELTS AND WRISTWATCH STRAPS, AND FOR WRISTWATCH-STRAP-AND-BUCKLE COMBINATIONS NOT MADE IN WHOLE OR IN PART OF PRECIOUS METAL.
Claims use since Oct. 31, 1945.

Ser. No. 564,703. ASTOR-RAMEL MFG. CO., INC., New York, N. Y. Filed Sept. 4, 1948.

REVERE

FOR DRESSER SETS, COMPLETE SETS INCLUDING HAIR BRUSHES AND HAND MIRRORS AND SOLD AS A UNIT.
Claims use since July 20, 1948.

Ser. No. 564,986. CHESTERMAN-LEELAND CO., Philadelphia, Pa. Filed Sept. 11, 1948.

CHESTIES

FOR BUST FORMS.
Claims use since Sept. 7, 1948.

Ser. No. 565,034. ASTOR-RAMEL MFG. CO., INC., New York, N. Y. Filed Sept. 13, 1948.

RAMEL

FOR DRESSER SETS, COMPLETE SETS INCLUDING HAIR BRUSHES AND HAND MIRRORS AND SOLD AS A UNIT.
Claims use since Aug. 20, 1948.

Ser. No. 566,277. HALEX LIMITED, London, England. Filed Aug. 31, 1948.

HALEX

Applicant claims ownership of British Registration No. 248,531, dated Sept. 5, 1902.
FOR COMBS.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 535,994. PENDLETON WOOLEN MILLS, Pendleton and Portland, Oreg. Filed Sept. 27, 1947. Under section 2f of the act of 1946.

PENDLETON

Applicant claims ownership of Registration No. 184,711.
FOR PIECE GOODS AND BLANKETS OF WOOL, COTTON, SILK, RAYON, NYLON, AND OTHER NATURAL AND SYNTHETIC FIBRES.
Claims use since Dec. 15, 1903.

Ser. No. 543,234. STONECUTTER MILLS CORPORATION, New York, N. Y. Filed Dec. 3, 1947.

in the Montauk Manner

FOR PIECE GOODS MADE OF SYNTHETIC AND COTTON FIBERS.
Claims use since Oct. 13, 1947.

Ser. No. 543,361. BOOTT MILLS, Lowell, Mass. Filed Oct. 7, 1947. Under section 2f of the act of 1946.

Du Bon

Applicant claims ownership of Registration No. 226,446.
FOR MOTOR ROBES, COUCH THROWS, AND UPHOLSTERY CLOTH OF COTTON, SILK, WOOL, RAYON, OR COMBINATIONS THEREOF IN THE PIECE.
Claims use since Mar. 1, 1926.

Ser. No. 545,545. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y. Filed Dec. 26, 1947. Under section 2f of the act of 1946.

ALEXANDER SMITH
FLOOR-PLAN RUG

Alexander Smith, now deceased, was the founder of applicant's company. No claim is made to the word "Rug" apart from the mark as shown. Applicant claims ownership of Registration No. 280,248.
FOR TEXTILE AND WOOL CARPETS AND RUGS.
Claims use since Mar. 3, 1936.

Ser. No. 545,547. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y. Filed Dec. 26, 1947. Under section 2f of the act of 1946.

ALEXANDER SMITH
Novelty Axminster

Alexander Smith, now deceased, was the founder of applicant's company. No claim is made to the words "Novelty Axminster" apart from the mark as shown. Applicant claims ownership of Registration No. 280,248.
FOR TEXTILE AND WOOL CARPETS AND RUGS.
Claims use since June 1, 1937.

Ser. No. 545,550. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y. Filed Dec. 26, 1947. Under section 2f of the act of 1946.

ALEXANDER SMITH
Special Axminster

Alexander Smith, now deceased, was the founder of applicant's company. No claim is made to the words "Special Axminster" apart from the mark as shown. Applicant claims ownership of Registration No. 280,248.
FOR TEXTILE AND WOOL CARPETS AND RUGS.
Claims use since May 1, 1941.

Ser. No. 545,551. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y. Filed Dec. 26, 1947. Under section 2f of the act of 1946.

WOVEN IN TRU-TONE COLORS ALL WOOL PILE

ALEXANDER SMITH

Alexander Smith, now deceased, was the founder of applicant's company. No claim is made to the words "Woven in Tru-Tone Colors, All Wool Pile" apart from the mark as shown. Applicant claims ownership of Registration No. 280,248.
FOR TEXTILE AND WOOL CARPETS AND RUGS.
Claims use since Jan. 15, 1935.

Ser. No. 548,238. CRAWFORD MANUFACTURING CO., INC., Richmond, Va. Filed Jan. 29, 1948. Under section 2f of the act of 1946.

CRAWFORD

FOR SLIP COVER MATERIAL OF COTTON AND SYNTHETIC FIBERS, AWNING FABRICS, AND COATED AND UNCOATED CANVAS FABRICS.
Claims use since January 1934.

Ser. No. 551,746. TALON, INC., Meadville, Pa. Filed Mar. 11, 1948.

TALON

Applicant claims ownership of Registration No. 243,746.
FOR PULLMAN CURTAINS.
Claims use since Jan. 29, 1947.

Ser. No. 556,116. NEW BRAUNFELS TEXTILE MILLS, New Braunfels, Tex. Filed May 3, 1948.

Kilkarnie

FOR COTTON PIECE GOODS.
Claims use since Apr. 22, 1948.

Ser. No. 558,956. S. STROOCK & CO. INC., New York, N. Y. Filed June 10, 1948.

COBBLESTONE

FOR WOVEN CLOTH COMPOSED OF WOOL AND MOHAIR FIBERS, OR A MIXTURE THEREOF, BY THE PIECE.
Claims use since June 2, 1937.

Ser. No. 563,251. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y. Filed Aug. 12, 1948.

"PLASTI-SATIN"

The word "Satin" is disclaimed apart from the mark.
Applicant claims ownership of Registration No. 426,219.
FOR WINDOW AND SHOWER CURTAINS AND PLASTIC FILM FOR MAKING INTO CURTAINS.
Claims use since June 28, 1948.

Ser. No. 563,554. THE BURY QUILTING MANUFACTURING COMPANY LIMITED, Manchester, England. Filed Aug. 2, 1948.



The wording "Manufactured in Bury England" is disclaimed apart from the mark. Applicant claims ownership of United States Registration No. 289,533, and British Registration No. 136,480, dated Oct. 28, 1926.
FOR COTTON PIECE GOODS.

Ser. No. 567,747. ANNIN & Co., New York, N. Y. Filed Oct. 28, 1948.

NYLANIN

FOR BUNTING COMPRISED OF NYLON AND WOOL.
Claims use since Apr. 16, 1945.

Ser. No. 567,857. DAN RIVER MILLS, INCORPORATED, Danville, Va. Filed Oct. 29, 1948.

DANRAY

FOR RAYON SUITING FABRICS.
Claims use since Oct. 14, 1948.

Ser. No. 567,904. CALLAWAY MILLS COMPANY, La Grange, Ga. Filed Oct. 30, 1948.

Calettes

FOR BATH MATS, TOILET LID COVERS, BATHROOM RUGS OF COTTON, TOWELS, AND WASH CLOTHS.
Claims use since Aug. 8, 1947, on bath mats and toilet lid covers; since Dec. 11, 1947, on bathroom rugs of cotton; and since Oct. 6, 1948, on towels and wash cloths.

Ser. No. 567,957. CHATHAM MANUFACTURING COMPANY, Elkin, N. C. Filed Nov. 1, 1948.

Little Bo-peep

Applicant claims ownership of Registration No. 43,372.
FOR BLANKETS.
Claims use since Nov. 15, 1908.

Ser. No. 568,522. NEISLER MILLS, INC., Kings Mountain, N. C. Filed Nov. 10, 1948.

Coilé

FOR RAYON FABRICS.
Claims use since June 15, 1948.

Ser. No. 568,685. S. STEIN & Co., INC., New York, N. Y. Filed Nov. 12, 1948.

PASTELLA

FOR WOOLEN GOODS IN THE PIECE AND IN CUT LENGTHS.
Claims use since May 14, 1923.

CLASS 43

THREAD AND YARN

Ser. No. 533,141. THE CLARK THREAD COMPANY, Wilmington, Del., and Clarkdale, Ga. Filed Sept. 3, 1947.

ANCHOR

Applicant claims ownership of Registrations Nos. 59,158 and 404,104.
FOR RUBBERIZED THREAD.
Claims use since May 2, 1947.

Ser. No. 533,142. THE CLARK THREAD COMPANY, Wilmington, Del., and Clarkdale, Ga. Filed Sept. 3, 1947.



Applicant claims ownership of Registrations Nos. 59,158 and 404,104.
FOR RUBBERIZED THREAD.
Claims use since May 2, 1947.

Ser. No. 566,252. SWIFT SPINNING MILLS, INC., Columbus, Ga. Filed Oct. 1, 1948.

BLUE RIBBON

FOR COTTON YARN.
Claims use since Dec. 8, 1938.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 535,860. MEISINGER COMPANY, New York, N. Y. Filed Sept. 26, 1947.

EMESCO

FOR DENTAL UNITS (CONSISTING OF MOTOR, SECTION ARM, HANDPIECE, AND RHEOSTAT), DENTAL CASTING MACHINES, DENTAL LATHES (FOR GRINDING TEETH AND DENTAL STEEL), AND DENTAL ENGINES.
Claims use since Sept. 29, 1942.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 531,647. DOYLE GREEN CARPENTER, doing business as Triple AAA Company, Oklahoma City, Okla. Filed Aug. 18, 1947..

TACO

FOR MALTLESS SOFT DRINKS AND SYRUPS FOR MAKING THE SAME.
Claims use since Dec. 5, 1946.

Ser. No. 535,810. CHIPPEWA SPRINGS CORPORATION, Minneapolis, Minn. Filed Sept. 26, 1947.



The vertical lining on the drawing indicates the color red. Applicant claims ownership of Registrations Nos. 119,429 and 130,164.
FOR NATURAL SPRING-WATER AND FOR OTHER OF ITS PRODUCTS PREPARED FROM SAID SPRING-WATER KNOWN AS ORANGEADE, SPARKLING WATER, GINGERALE, WHITE SODA, LIME RICKEY, ROOT BEER, LEMON SOUR, AND A MALTLESS SOFT DRINK BEVERAGE CONTAINING COLA.
Claims use since September 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 478,666. STINSON AND LUTZ, McAllen, Tex. Filed Nov. 7, 1947; originally filed, act of 1905, Jan. 15, 1945.

PROGRAM

FOR FRESH CITRUS FRUITS.
Claims use since Oct. 1, 1943.

Ser. No. 511,104. THE AMALGAMATED SUGAR COMPANY, Ogden, Utah. Filed July 27, 1948; originally filed, act of 1905, Oct. 21, 1946.

WHITE SATIN

Applicant claims ownership of Registration No. 319,525.
FOR ICING SUGAR AND GRANULATED SUGAR.
Claims use since July 15, 1921.

Ser. No. 514,159. AETNA PACKING COMPANY, Baltimore, Md. Filed Jan. 5, 1949; originally filed, act of 1905, Dec. 13, 1946.



The representation of a pickle is disclaimed apart from the mark as shown.
FOR PICKLES, PICKLE RELISHES, OLIVES, PREPARED MUSTARD, AND MAYONNAISE.
Claims use since November 1932.

Ser. No. 521,551. ADIRONDACK WHOLESALE GROCERIES, INC., Hudson Falls, N. Y. Filed Oct. 28, 1947; originally filed, act of 1905, Apr. 30, 1947. Under section 2f of the act of 1946.

Adirondack

FOR EVAPORATED MILK, CANNED CITRUS FRUIT JUICES, PEANUT BUTTER, SWEET RELISH, CANNED FRUIT COCKTAIL, CANNED FRUITS, CANNED VEGETABLES, FRUIT PRESERVES, JAMS, JELLIES, CORNSTARCH FOR FOOD PURPOSES, AND OLIVES.
Claims use since December 1939.

Ser. No. 521,801. DECATUR MILLING COMPANY, INC., Decatur, Ill. Filed Dec. 3, 1947; originally filed, act of 1905, May 3, 1947. Under section 2f of the act of 1946.

CREAM MAIZE

The word "Maize" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 163,547.
FOR CORN PRODUCTS IN FLAKE FORM USED AS A CORN MEAL FOR HUMAN CONSUMPTION.
Claims use since July 21, 1890.

Ser. No. 524,560. PASCO PACKING CO., Dade, Fla. Filed Dec. 17, 1947; originally filed, act of 1905, June 20, 1947.

TREAT-O

Applicant claims ownership of Registration No. 357,557.
FOR CANNED CITRUS SEGMENTS.
Claims use since 1933.

Ser. No. 528,593. WAYNE CANDIES, INC., Fort Wayne, Ind. Filed July 14, 1947. Under section 2f of the act of 1946.



The name "Lady Wayne" refers to no particular living individual. The representation of the woman is fanciful.
Applicant claims ownership of Registrations Nos. 257,519 and 262,793.
FOR CANDIES.
Claims use since May 3, 1928.

Ser. No. 530,263. TRIPOLI CANNING CO., INC., Tripoli, Iowa. Filed Aug. 1, 1947.

IOWA CLUB

Applicant disclaims any exclusive use of the word "Iowa" except in the association shown.
FOR CANNED BONED CHICKEN, CANNED BONED TURKEY, AND CANNED CORN.
Claims use since Oct. 15, 1945.

Ser. No. 530,763. G. B. RAFFETTO, INC., New York, N. Y. Filed Aug. 7, 1947. Under section 2f of the act of 1946.

G.B. Raffetto INC.

Applicant disclaims the word "Inc." separately from the mark as shown. Applicant claims ownership of Registrations Nos. 305,934 and 301,056.
FOR MARRONS, CHUTNEY CONDIMENTS, FRUITS PRESERVED IN SYRUP, CANDIED FRUITS, PICKLED FRUITS, PICKLES, FRUITS IN GRENADINE, FRUITS IN CREME DE MENTH, DATES IN SHERRY, PRESERVED KUMQUATS, STUFFED ORANGES, ORANGE SEGMENTS FOR SALAD AND FOR COCKTAILS, PLUM PUDDING MIXTURE, PRESERVED GINGER IN SYRUP, JELLIES, ORANGE MARMALADE, PORT WINE JELLY, DICED PINEAPPLE, AND STRAWBERRY PRESERVES.
Claims use since 1888.

Ser. No. 531,544. M. E. THORNBURG, doing business as Thor Packing Co., Holtville, Calif. Filed Aug. 15, 1947.



The picture of the man is fanciful.
FOR FRESH VEGETABLES.
Claims use since 1937.

Ser. No. 533,193. NEBRASKA CONSOLIDATED MILLS COMPANY, doing business as The Fremont Mills, Omaha, Nebr. Filed Sept. 3, 1947.



Applicant claims ownership of Registration No. 229,093.
FOR WHEAT FLOUR.
Claims use since Dec. 28, 1926.

Ser. No. 533,996. CHICKASHA MILLING COMPANY, Chickasha, Okla. Filed Sept. 10, 1947. Under section 2f of the act of 1946.

FULL CREAM

Applicant claims ownership of Registration No. 317,137.
FOR WHEAT FLOUR.
Claims use since December 1898.

Ser. No. 534,603. W. H. CLARK FRUIT COMPANY, Jacksonville, Fla. Filed Sept. 16, 1947.

BLUE KEY

FOR FRESH CITRUS FRUITS.
Claims use since Nov. 5, 1935.

Ser. No. 534,876. W. H. CLARK FRUIT COMPANY, Jacksonville, Fla. Filed Sept. 16, 1947.

Tiger Rose

FOR FRESH CITRUS FRUITS.
Claims use since June 26, 1943.

Ser. No. 536,062. DUNCAN COFFEE COMPANY, Houston, Tex. Filed Sept. 29, 1947.

Bright and Early

FOR COFFEE.
Claims use since Feb. 2, 1918.

Ser. No. 536,619. JAMES AND BUCKLEY, Dos Palos, Calif. Filed Oct. 3, 1947.

JABU

FOR FRESH LETTUCE, CARROTS, AND CANTALOUPES.
Claims use since July 12, 1947.

Ser. No. 536,885. B. FISCHER & CO., INC., New York, N. Y. Filed Oct. 6, 1947.

WIZARD

FOR COFFEE.
Claims use since Mar. 1, 1940.

Ser. No. 536,886. B. FISCHER & CO., INC., New York, N. Y. Filed Oct. 6, 1947. Under section 2f of the act of 1946.

AMAZON

FOR COFFEE.
Claims use since Mar. 1, 1940.

Ser. No. 536,888. B. FISCHER & CO., INC., New York, N. Y. Filed Oct. 6, 1947.

PYRAMID

The drawing is lined to indicate the color red.
FOR COFFEE.
Claims use since Mar. 1, 1940.

Ser. No. 537,664. CUSTOM HOUSE PACKING COMPANY, Monterey, Calif. Filed Oct. 13, 1947.

CUSTOM

Applicant claims ownership of Registration No. 264,445.
FOR CANNED FISH.
Claims use since June 4, 1929.

Ser. No. 537,666. CUSTOM HOUSE PACKING COMPANY, Monterey, Calif. Filed Oct. 13, 1947.

Feature

Applicant claims ownership of Registration No. 263,606.
FOR CANNED FISH.
Claims use since June 4, 1929.

Ser. No. 537,706. KEINARD PACKING COMPANY, Riverside, Calif. Filed Oct. 13, 1947.

BLUE BANNER

The drawing is lined for shading only.
FOR FRESH CITRUS FRUITS.
Claims use since 1905.

Ser. No. 538,015. JOSEPH LENTINI, doing business as Lentini Packing Co., Brooklyn, N. Y. Filed Oct. 16, 1947.

Angelus

FOR EDIBLE OILS CONTAINING OLIVE OIL AND PEANUT OIL.
Claims use since May 1, 1938.

Ser. No. 538,589. APPLE GROWERS ASSOCIATION, Hood River, Oreg. Filed Oct. 22, 1947. Under section 2f of the act of 1946.

Hood River

Applicant claims ownership of Registrations Nos. 110,660, 147,055, 148,583, 186,243, 303,086, 331,285, and 370,836.
FOR CANNED FRUITS, CIDER VINEGAR, FRESH DECIDUOUS FRUITS.
Claims use since September 1912.

Ser. No. 539,701. JAMES HEARTS HORNBEAK, doing business as Toss Foods, Monroe, La., assignor to Toss Foods Incorporated, Monroe, La., a corporation of Louisiana. Filed Oct. 31, 1947.

TOSS

FOR MAYONNAISE, SALAD DRESSING, AND SANDWICH SPREAD.
Claims use since Sept. 5, 1947.

Ser. No. 542,608. MASON, AU & MAGENHEIMER CONF. MFG. CO., Brooklyn, N. Y. Filed Nov. 28, 1947. Under section 2f of the act of 1946.

Mason's

Applicant claims ownership of Registrations Nos. 128,451, 134,413, and 415,489.
FOR CANDIES.
Claims use since March 1914.

Ser. No. 543,769. FRED W. AMEND CO., Chicago, Ill. Filed Dec. 9, 1947.

Chuckles

Applicant claims ownership of Registration No. 283,456.
FOR CANDY.
Claims use since 1922.

Ser. No. 544,317. BLISH MILLING COMPANY, Seymour, Ind. Filed Dec. 15, 1947.

Telephone

Applicant claims ownership of Registrations Nos. 250,781 and 80,828 (renewed).
FOR WHEAT FLOUR.
Claims use since May 1, 1877.

Ser. No. 544,764. MANUEL L. RAMIREZ, doing business as R. & R. Products Co., Corpus Christi, Tex. Filed Dec. 18, 1947.

Hi-Tex

Applicant disclaims the word "Tex" apart from the mark as shown.
FOR CHEWING GUM.
Claims use since Aug. 29, 1947.

Ser. No. 546,796. SIERRA MADRE-LAMANDA CITRUS ASSOCIATION, Pasadena, Calif. Filed Jan. 12, 1948.

Mt. Lowe

FOR FRESH CITRUS FRUITS.
Claims use since 1912.

Ser. No. 546,859. MUPU CITRUS ASSOCIATION, Santa Paula, Calif. Filed Jan. 13, 1948.

SOUTH MOUNTAIN

Applicant claims ownership of Registration No. 177,444.
FOR FRESH CITRUS FRUIT.
Claims use since Dec. 1, 1910.

Ser. No. 548,019. MEYER SCHUMAN CO., doing business as Schuman Farms, Beverly Hills and Watsonville, Calif., and Chicago, Ill. Filed Jan. 26, 1948.

OAKEN BUCKET

Applicant claims ownership of Registration No. 370,779.
FOR FRESH LETTUCE.
Claims use since Mar. 20, 1939.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 539,498. F. W. COOK COMPANY, INC., Evansville, Ind. Filed Oct. 30, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of Registration No. 307,387.
FOR BEER.
Claims use since 1902.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 540,903. R U M COMPANY LTD., Basel, Switzerland. Filed Nov. 12, 1947.

CLUB STAR

The word "Club" is disclaimed. Applicant claims ownership of Swiss Registration No. 101,797, dated Mar. 17, 1942.
FOR RUM AND BRANDY.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 546,396. GEORGE O. JENKINS COMPANY, Bridgewater, Mass. Filed Jan. 7, 1948. Under section 2f of the act of 1946.

JENKINS

FOR LEATHERBOARD FOR USE IN MAKING BUILT-UP HEELS AND MIDSOLES FOR SHOES AND FIBREBOARD IN SHEET FORM WHICH IS A LEATHER SUBSTITUTE FOR USE IN MAKING HEEL BASES AND BUILT-UP HEELS FOR SHOES.
Claims use since 1896.

CLASS 55

SERVICES

Ser. No. 533,084. UNITED PARCEL SERVICE OF AMERICA, INC., Wilmington, Del. Filed Sept. 2, 1947. SERVICE MARK.



All wording including the words "Since 1907," but excepting the letters "U. P. S.," are disclaimed apart from the mark as shown.
FOR MOTOR VEHICLE DELIVERY SERVICE FOR RETAIL STORES.
Claims use since 1933.

Ser. No. 534,341. R. S. ROBIE, INC., Cambridge, Mass. Filed Sept. 12, 1947. SERVICE MARK.

YANKEE TRAILS

FOR PLANNING, ARRANGEMENT, AND CONDUCT OF TRAVEL TOURS, PARTICULARLY TOURS BY AUTOMOBILE, AND INCLUDING RENTAL OF AUTOMOBILES FOR SUCH TOURS.
Claims use since July 6, 1947.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

442,696. TRANSPARENT OR TRANSLUCENT PLASTIC FILMS IN THE NATURE OF PIECE GOODS TO BE USED IN MAKING UP INTO HOUSEHOLD ARTICLES, WINDOW CURTAINS, TABLE COVERS, AND THE LIKE. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Industrial Products Company, Akron, Ohio.
Filed Jan. 18, 1945, Serial No. 478,749. Published Jan. 18, 1949. Class 42.

442,697. RADIO RECEIVING SETS AND PARTS THEREFOR. NATIONAL TRADING COMPANY, INC., Hickory, N. C.
Filed Aug 25, 1945, Serial No. 487,565. Published July 23, 1946. Class 21.

442,698. CANDY BARS. MARS, INCORPORATED, Chicago, Ill.
Filed Mar. 5, 1946, Serial No. 497,670. Published Nov. 5, 1946. Class 46.

442,699. TELEPHONIC CALL APPARATUS INCLUDING TRANSMITTERS, RECEIVERS, AND AMPLIFIERS; TELEPHONIC COMMUNICATION APPARATUS; ELECTRICAL PUBLIC ADDRESS APPARATUS; TELEGRAPHIC CALL APPARATUS INCLUDING TRANSMITTERS, RECEIVERS, AND AMPLIFIERS, ETC. ELECTRA VOICE CORPORATION, Chicago, Ill.
Filed Mar. 14, 1946, Serial No. 498,214. Published Apr. 22, 1947. Class 21.

442,700. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, FINGER RINGS, BRACELETS, ANKLETS, EARRINGS, EAR CLIPS, NECKLACES, PINS, ETC. SPAULDING & COMPANY, Chicago, Ill.
Filed Apr. 24, 1946, Serial No. 500,840. Published Jan. 25, 1949. Class 28.

442,701. CANDY. JAMES MARSHALL (DEVON) LIMITED, Totnes, England, assignor to James Storey Marshall, Totnes, England.
Filed May 20, 1946, Serial No. 502,446. Published Feb. 22, 1949. Class 46.

442,702. PLASTIC COATED TEXTILE FABRICS OF COTTON, NYLON, RAYON, GLASS, SOLD BY THE PIECE, AND IN CUT LENGTHS FOR TABLE COVERINGS. COLUMBUS COATED FABRICS CORPORATION, Columbus, Ohio.
Filed July 19, 1946, Serial No. 505,890. Published Jan. 25, 1949. Class 42.

442,703. NYLON AND SILK SATIN FABRICS SOLD BY THE BOLT MADE OF A MIXTURE OF SILK AND NYLON YARNS. MALIBU FABRICS, INC., New York, N. Y.
Filed Jan. 4, 1947, Serial No. 515,270. Published Jan. 25, 1949. Class 42.

442,704. TAR-LIKE LIQUID BITUMINOUS MATERIAL FOR COMPOUNDING RUBBER. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y.
Filed Mar. 12, 1947, Serial No. 518,864. Published Sept. 21, 1948. Class 1.

442,705. TYPOGRAPHICAL AND LITHOGRAPHICAL PRINTED WORK—NAMELY, BOOKS, PERIODICAL PUBLICATIONS, ETC. ANTONIO RIVIERE MANEN, Barcelona, Spain.
Filed Mar. 12, 1947, Serial No. 518,868. Published Jan. 25, 1949. Class 38.

442,706. DRIED BEEF. CLARA N. PARDEE, Hastings on Hudson, N. Y.
Filed Apr. 5, 1947, Serial No. 520,229. Published Dec. 28, 1948. Class 46.

442,707. CANDIES, CHOCOLATE, GINGER BREAD, HONEY, CAKES, AND PASTRY. CHOCOLATS DE LA COUPE D'OR, MAISON L. VELUT ROARD & COMPAGNIE, SOCIETE A RESPONSABILITE LIMITEE, Paris, France.
Filed May 5, 1947, Serial No. 521,854. Published Feb. 1, 1949. Class 46.

442,708. CHARTS FOR INDIVIDUAL ANALYSIS FOR BEAUTY AND GROOMING. RICHARD HUDNUT, New York, N. Y.
Filed May 22, 1947, Serial No. 522,863. Published Jan. 18, 1949. Class 38.

442,709. ELECTRICALLY ILLUMINATED ADVERTISING SIGN HAVING INTERCHANGEABLE LETTERS AND NUMERALS. R. E. C. SALES COMPANY, Hollywood, Calif., assignor to R E C Sales Company, Los Angeles, Calif., a partnership composed of Charles Epstein and Doris Pauly.
Filed June 2, 1947, Serial No. 523,422. Published Feb. 1, 1949. Class 21.

442,710. FRESH LETTUCE. DU-BAL PACKING COMPANY, Salinas, Calif.
Filed June 6, 1947, Serial No. 523,651. Published Feb. 1, 1949. Class 46.

442,711. CHRISTMAS TREE LIGHTING OUTFITS COMPRISED OF A SERIES OF SOCKET BEARING WIRES FOR HOLDING ELECTRIC BULBS THEREIN FOR THE PURPOSE OF ILLUMINATING CHRISTMAS TREES. EDWARD E. MENDONCA, doing business as Eddy Manufacturing Co., Hayward, Calif.
Filed June 23, 1947, Serial No. 524,660. Published Jan. 18, 1949. Class 21.

442,712. SERIES OF PUBLICATIONS COMPRISING SHEET MUSIC COLLECTIONS. CHARLES H. HANSEN, doing business as Chas. H. Hansen Music Co., New York, N. Y.
Filed June 30, 1947, Serial No. 525,214. Published Jan. 25, 1949. Class 38.

442,713. CHINAWARE—NAMELY, JUGS, PLANTERS IN THE NATURE OF FLOWER CONTAINERS, FLOWER POTS, AND VASES. SPAULDING CHINA COMPANY, INC., New York, N. Y.
Filed July 2, 1947, Serial No. 525,696. Published Jan. 18, 1949. Class 30.

442,714. CARPETS AND RUGS, COMPOSED IN SUBSTANTIAL PART OF WOOL. FIRTH CARPET COMPANY, New York, N. Y.
Filed July 3, 1947, Serial No. 525,816. Published Jan. 18, 1949. Class 42.

442,715. PRINTING PAPER, WRITING PAPER, TAG PAPER, BRISTOL, COVER PAPER OF HIGH STRENGTH, AND ALSO FOR SAID PAPERS OF SOMEWHAT LIGHTER WEIGHTS BUT HAVING HIGHER STRENGTH CHARACTERISTICS FOR GENERAL STRONG UTILITY. THE SORG PAPER COMPANY, Middletown, Ohio.
Filed July 3, 1947, Serial No. 525,966. Published Jan. 4, 1949. Class 37.

442,716. PAPER TABLETS, LOOSE LEAF FILLER PAPER, AND ENVELOPES. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,022. Published Dec. 9, 1947. Class 37.

ACT OF 1946, PRINCIPAL REGISTER

509,812. REAMERS. WALDO L. GARRENDING, doing business as Twentieth Century Manufacturing Co., Chicago, Ill.
Filed Nov. 5, 1947; originally filed, act of 1905, Dec. 14, 1945, Serial No. 493,265. Published JAN. 4, 1949. Class 23.

509,813. MOLDED STORAGE BATTERY BOXES OF BITUMEN AND FILLER MATERIALS. THE RICHARDSON COMPANY, Lockland, Ohio.
Filed Nov. 22, 1947; originally filed, act of 1905, Feb. 4, 1946, Serial No. 495,989. Published Feb. 1, 1949. Class 21.

509,814. ELECTRIC FURNACES. AJAX ELECTRIC COMPANY, INC., Philadelphia, Pa.
Filed Aug. 26, 1947; originally filed, act of 1905, Mar. 29, 1946, Serial No. 499,185. Published Jan. 18, 1949. Class 21.

509,815. FLUORESCENT LAMPS. DURO-TEST CORPORATION, North Bergen, N. J.
Filed Oct. 28, 1947; originally filed, act of 1905, Apr. 2, 1946, Serial No. 499,487. Published Feb. 1, 1949. Class 21.

509,816. PREPARATION FOR EXTERNAL APPLICATION FOR TREATMENT OF SUNBURN, POISON-OAK, AND OTHER SKIN IRRITATIONS. LELAND F. GIPSON, Oakland, Calif.
Filed July 7, 1947; originally filed, act of 1905, Apr. 5, 1946, Serial No. 499,704. Published Jan. 25, 1949. Class 6.

509,817. BI-MONTHLY MAGAZINE. WESTERN FAMILY PUBLISHING COMPANY, Los Angeles, Calif.
Filed Sept. 16, 1947; originally filed, act of 1905, June 11, 1946, Serial No. 503,685. Published Jan. 18, 1949. Class 38.

509,818. CLOCKS, WATCHES, AND WATCHES AND ATTACHED WATCH BRACELETS SOLD AS A SINGLE UNIT. GEORG JENSEN INC., New York, N. Y.
Filed Dec. 19, 1947; originally filed, act of 1905, June 21, 1946, Serial No. 504,361. Published Feb. 1, 1949. Class 27.

509,819. PIECE GOODS OF RAYON, NYLON, COTTON, WOOL, SILK, OR MIXTURES THEREOF. VERNEY CORPORATION, Boston, Mass.
Filed July 1, 1948; originally filed, act of 1905, Sept. 12, 1946, Serial No. 508,944. Published Feb. 1, 1949. Class 42.

509,820. ELECTRIC LAMP GUARD. MCGILL MANUFACTURING COMPANY, INC., Valparaiso, Ind.
Filed Aug. 28, 1947; originally filed, act of 1905, Oct. 14, 1946, Serial No. 510,855. Published Feb. 1, 1949. Class 21.

509,821. MOLDED PLASTIC PARTS FOR INTERNAL COMBUSTION ENGINE IGNITION SYSTEMS. GENERAL PRODUCTS CORPORATION, Union Springs, N. Y.
Filed July 16, 1948; originally filed, act of 1905, Oct. 25, 1946, Serial No. 511,484. Published Jan. 25, 1949. Class 21.

509,822. ELECTRICAL CAPACITATORS. SPRAGUE ELECTRIC COMPANY, North Adams, Mass.
Filed Nov. 14, 1947; originally filed, act of 1905, Dec. 4, 1946, Serial No. 513,692. Published Jan. 18, 1949. Class 21.

509,823. CELLULAR MATERIAL TO BE ADDED TO FLUID AGENTS EMPLOYED IN TREATING WELL BORES, WHICH ACTS AS A SEAL TO PREVENT LOSS OF THE FLUID INTO POROUS EARTH FORMATIONS. DOWELL INCORPORATED, Midland, Mich., assignor to Dowell Incorporated, Wilmington, Del., a corporation of Delaware.
Filed Feb. 27, 1948; originally filed, act of 1905, Dec. 12, 1946, Serial No. 514,109. Published Jan. 25, 1949. Class 12.

509,824. PRINTED TEXTBOOKS. MURRAY HILL BOOKS INCORPORATED, New York, N. Y.
Filed Jan. 29, 1948; originally filed, act of 1905, Dec. 12, 1946, Serial No. 514,128. Published Jan. 18, 1949. Class 38.

509,825. PORTABLE ELECTRIC INDUSTRIAL VACUUM CLEANERS AND BLOWERS. IDEAL INDUSTRIES, INC., Sycamore, Ill.
Filed Jan. 6, 1948; originally filed, act of 1905, Jan. 28, 1947, Serial No. 516,483. Published Jan. 18, 1949. Class 21.

509,826. EXPANSION WATCH BANDS MADE OF PRECIOUS METAL (NOT INCLUDING WATCHES). STANDARD COMPANY, INC., Fall River, Mass.
Filed Mar. 12, 1948; originally filed, act of 1905, Feb. 18, 1947, Serial No. 517,748. Published Feb. 1, 1949. Class 28.

509,827. WEEKLY NEWSPAPER. THE OPEN ROAD PUBLISHING COMPANY, Boston, Mass.
Filed Mar. 23, 1948; originally filed, act of 1905, Feb. 28, 1947, Serial No. 518,313. Published JAN. 18, 1949. Class 38.

509,828. MARMALADE. S. C. CLAYTON CO., INC., Boston, Mass.
Filed Sept. 23, 1948; originally filed, act of 1905, Apr. 3, 1947, Serial No. 520,091. Published Jan. 11, 1949. Class 46.

509,829. FACE CREAMS. A. W. CURTIS, JR., doing business as A. W. Curtis Laboratories, Detroit, Mich.
Filed Nov. 10, 1947, Serial No. 520,619. Published Dec. 14, 1948. Class 6.

509,830. WHEAT FLOUR AND CORN MEAL. SCHULTZ, BAUJAN & CO., Beardstown, Ill.
Filed Feb. 26, 1948; originally filed, act of 1905, Apr. 17, 1947, Serial No. 520,904. Published Jan. 25, 1949. Class 46.

509,831. ELECTRIC LIGHTING FIXTURES. LITECRAFT MANUFACTURING COMPANY, Newark, N. J.
Filed Dec. 15, 1947; originally filed, act of 1905, May 5, 1947, Serial No. 521,911. Published Feb. 1, 1949. Class 21.

509,832. PUBLICATION DEVOTED TO THE LAW AND ISSUED ANNUALLY. COMMERCE CLEARING HOUSE, INC., Chicago, Ill.
Filed July 26, 1948; originally filed, act of 1905, May 20, 1947, Serial No. 522,699. Published JAN. 18, 1949. Class 38.

509,833. SILVERPLATED FLAT TABLEWARE. ONEIDA LTD., Sherrill and Oneida, N. Y.
Filed Mar. 31, 1948; originally filed, act of 1905, June 11, 1947, Serial No. 523,985. Published Feb. 1, 1949. Class 28.

509,834. SILVERPLATED FLAT TABLEWARE. ONEIDA LTD., Sherrill and Oneida, N. Y.
Filed Mar. 31, 1948; originally filed, act of 1905, June 11, 1947, Serial No. 524,002. Published Feb. 1, 1949. Class 28.

509,835. CANDY. E. A. HOFFMAN CANDY CO. INC., Los Angeles, Calif.
Filed Mar. 3, 1948; originally filed, act of 1905, July 1, 1947, Serial No. 525,326. Published Jan. 25, 1949. Class 46.

509,836. FABRICS IN THE PIECE MADE OF COTTON AND/OR RAYON. DUMARI TEXTILE CO., INC., New York, N. Y.
Filed Oct. 25, 1947; originally filed, act of 1905, July 3, 1947, Serial No. 525,802. Published Jan. 18, 1949. Class 42.

509,837. ELECTRICAL DISPLAY AND ADVERTISING SIGNS AND CABINETS. DYER-GRAM MFG., CO., INC., Tampa, Fla.
Filed July 5, 1947, Serial No. 526,734. Published Jan. 18, 1949. Class 21.

509,838. FIXTURES FOR ELECTRIC LIGHTS. THE EDWIN F. GUTH COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,020. Published Aug. 10, 1948. Class 21.

509,839. ELECTRIC FANS FOR CIRCULATING PURPOSES; ELECTRIC HOISTS, ELECTRIC WINCHES; ELECTRIC MOTORS, DYNAMOS, GENERATORS, AND COMBINATIONS THEREOF. ROBBINS & MYERS, INC., Springfield, Ohio.
Filed July 5, 1947, Serial No. 527,899. Published Jan. 18, 1949. Class 21.

509,840. MONOCALCIUM PHOSPHATE FOR USE AS A LEAVENING INGREDIENT IN PHOSPHATED FLOURS AND PREPARED BAKING MIXES. VICTOR CHEMICAL WORKS, Chicago, Ill.
Filed July 12, 1947, Serial No. 528,536. Published Jan. 11, 1949. Class 46.

509,841. MONOCALCIUM PHOSPHATE FOR USE AS A LEAVENING INGREDIENT IN THE MANUFACTURE OF SELF-RISING FLOUR AND PREPARED BAKING MIXES. VICTOR CHEMICAL WORKS, Chicago, Ill.
Filed July 12, 1947, Serial No. 528,541. Published Jan. 11, 1949. Class 46.

509,842. ELECTRIC CABLES, CONNECTORS, PLUGS, AND SOCKETS. WARNER ELECTRIC BRAKE MANUFACTURING COMPANY, South Beloit, Ill.
Filed July 12, 1947, Serial No. 528,549. Published Jan. 25, 1949. Class 21.

509,843. ICE CREAM BARS. FRIGIS CORPORATION OF AMERICA, doing business as Frigie Corp., Chicago, Ill.
Filed July 16, 1947, Serial No. 528,713. Published Jan. 25, 1949. Class 46.

509,844. CHINAWARE, POTTERY, CROCKERY, PORCELAINS AND COMBINATIONS OF THE SAME—NAMELY, COOKIE JARS, SALT SHAKERS, PEPPER SHAKERS, SUGAR BOWLS, CREAMERS, ICE-BOX SETS, BEAN POTS, TEAPOTS, AND PITCHERS. CHINA & GLASS DISTRIBUTORS, INC., New York, N. Y.
Filed July 17, 1947, Serial No. 528,769. Published Jan. 18, 1949. Class 30.

509,845. SHEET MATERIAL OF VINYL RESIN RESEMBLING ARTIFICIAL LEATHER. PANCOFILM, INC., Chelsea, Mass.
Filed July 19, 1947, Serial No. 528,952. Published Jan. 18, 1949. Class 50.

509,846. BUBBLE GUM. CHARLES LIFSON CO., Philadelphia, Pa.
Filed July 21, 1947, Serial No. 529,062. Published Mar. 16, 1948. Class 46.

509,847. WOOLEN AND WORSTED YARD GOODS FOR CLOTHING AND SUITINGS. BRUNSWICK WORSTED MILLS, INC., Moosup, Conn.
Filed July 22, 1947, Serial No. 529,134. Published June 8, 1948. Class 42.

509,848. MAGAZINE. MONA PALMER, executrix and sole trustee of the estate of Russell Palmer, Los Angeles, Calif.
Filed July 24, 1947, Serial No. 529,399. Published Jan. 18, 1949. Class 38.

509,849. ELECTRICALLY OPERATED GLUE POTS AND ELECTRIC HEATING ELEMENTS. RUSSELL ELECTRIC COMPANY, Chicago, Ill.
Filed Aug. 1, 1947, Serial No. 530,256. Published Feb. 1, 1949. Class 21.

509,850. LETTERS, SYMBOLS, MARKS, INSIGNIA, AND SIMILAR MATTER CAPABLE OF CONVEYING INTELLIGENCE, ETC. ARTYPE, INCORPORATED, Chicago, Ill.
Filed Aug. 5, 1947, Serial No. 530,452. Published Jan. 25, 1949. Class 38.

509,851. CANNED FOODS, I. E., COOKED CORNED BEEF, PICKLED LAMB'S TONGUE, BONELESS PICKLED PIGS' FEET CUTLETS, SLICED DRIED BEEF, CHILI CON CARNE, BREAKFAST SAUSAGE, VIENNA SAUSAGE, VEAL LOAF, AND LUNCH TONGUE, CORNED BEEF HASH, SANDWICH SPREAD, TRIPE. REPUBLIC FOOD PRODUCTS CO., doing business as Emmart Food Products Co., Chicago, Ill.
Filed Aug. 7, 1947, Serial No. 530,767. Published Jan. 25, 1949. Class 46.

509,852. FRESH CITRUS FRUIT. STANFORD FRUIT GROWERS, INC., Lake Alfred, Fla.
Filed Aug. 19, 1947, Serial No. 531,859. Published Feb. 1, 1949. Class 46.

509,853. SALTED NUTS. E. F. KEMP, INC., Somerville, Mass.
Filed Aug. 28, 1947, Serial No. 532,706. Published Jan. 25, 1949. Class 46.

509,854. WHEAT FLOUR. THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois.
Filed Aug. 28, 1947, Serial No. 532,715. Published Jan. 11, 1949. Class 46.

509,855. WHEAT FLOUR. THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois.
Filed Aug. 28, 1947, Serial No. 532,718. Published Jan. 25, 1949. Class 46.

509,856. WHEAT FLOUR. THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois.
Filed Aug. 28, 1947, Serial No. 532,722. Published Jan. 25, 1949. Class 46.

509,857. PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH IS DIRECTED TO THE FIELD OF WELDING IN INDUSTRY. THE INDUSTRIAL PUBLISHING COMPANY, Cleveland, Ohio.
Filed Sept. 3, 1947, Serial No. 533,165. Published Jan. 25, 1949. Class 38.

509,858. PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH IS DIRECTED TO THE FIELD OF INDUSTRIAL HEALTH AND ACCIDENT PROBLEMS. OCCUPATIONAL HAZARDS, INC., Cleveland, Ohio.
Filed Sept. 3, 1947, Serial No. 533,195. Published Jan. 25, 1949. Class 38.

509,859. CANDIES AND COCOA. FRANK G. SHATTUCK COMPANY, New York, N. Y.
Filed Sept. 5, 1947, Serial No. 533,623. Published Jan. 18, 1949. Class 46.

509,860. SILVER PLATED FLATWARE AND HOLLOW WARE—NAMELY, KNIVES, FORKS, SPOONS, ETC. THE R. WALLACE & SONS MANFG. CO., Wallingford, Conn.
Filed Sept. 19, 1947, Serial No. 535,108. Published Feb. 1, 1949. Class 28.

509,861. CHEESE, CHEESE FOOD, AND CHEESE SPREADS. SUE ANN FOOD PRODUCTS CORPORATION, Chicago, Ill.
Filed Sept. 22, 1947, Serial No. 535,271. Published Aug. 24, 1948. Class 46.

509,862. CANNED FRUITS, CANNED BERRIES, CANNED CITRON AND FRUIT PEEL, ETC. RIVAL FOODS, INC., Cambridge, Mass.
Filed Sept. 23, 1947, Serial No. 535,351. Published Feb. 1, 1949. Class 46.

509,863. CANNED VEGETABLES, CANNED TOMATO JUICE, CANNED FRUITS, CANNED FRUIT JUICES, TOMATO CATSUP, TOMATO PASTE, TOMATO PUREE, CANNED BAKED BEANS, CANNED SOUP, CEREAL OATS. RIVAL FOODS, INC., Cambridge, Mass.
Filed Sept. 24, 1947, Serial No. 535,625. Published Feb. 1, 1949. Class 46.

509,864. DIAPER CLOTH, CHEESECLOTH, AND SHEETINGS ALL IN THE PIECE OR IN THE BOLT. THE KENDALL COMPANY, Walpole, Mass.
Filed Sept. 25, 1947, Serial No. 535,714. Published Feb. 1, 1949. Class 42.

509,865. GLASS MILK BOTTLES. THATCHER GLASS MANUFACTURING COMPANY, INC., Elmira, N. Y.
Filed Sept. 26, 1947, Serial No. 535,896. Published Jan. 25, 1949. Class 33.

509,866. CANNED MIXTURE OF GREEN AND DRY BEANS. STOKELY-VAN CAMP, INC., Indianapolis, Ind.
Filed Sept. 27, 1947, Serial No. 536,008. Published Jan. 11, 1949. Class 46.

509,867. ELECTRICAL APPARATUS—NAMELY, LINE TAP CLAMPS (SCREW TYPE AND SNAP TYPE), TAP CONNECTIONS, GROUNDING SETS COMPRISING MOUNTED CLUSTERS OF TAP CLAMPS AND SUPPORTS THEREFOR, ETC. A. B. CHANCE COMPANY, Centralia, Mo.
Filed Sept. 30, 1947, Serial No. 536,236. Published JAN. 25, 1949. Class 21.

509,868. RADIO RECEIVING SETS. THE FAIR, Chicago, Ill.
Filed Oct. 1, 1947, Serial No. 536,364. Published Jan. 25, 1949. Class 21.

509,869. TYMPAN PAPER. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass.
Filed Oct. 1, 1947, Serial No. 536,392. Published Sept. 14, 1948. Class 37.

509,870. STORAGE BATTERIES AND DRY CELL BATTERIES. ROYAL BATTERY CORPORATION, Paterson, N. J.
Filed Oct. 1, 1947, Serial No. 536,450. Published Jan. 25, 1949. Class 21.

509,871. FIXED AND VARIABLE TRANSFORMERS—NAMELY, MINIATURE TRANSFORMERS; REACTORS—NAMELY, AUDIO AND POWER REACTORS FOR RADIO, POWER PACKS OF THE DRY METALLIC VACUUM OR GASEOUS TUBE TYPE, ETC. STANDARD TRANSFORMER CORPORATION, Chicago, Ill.
Filed Oct. 1, 1947, Serial No. 536,457. Published Jan. 25, 1949. Class 21.

509,872. CONNECTING AND TERMINATING SLEEVES FOR WIRES AND CABLES IN COMMUNICATION, LIGHT, AND POWER FIELDS, THE TERM WIRES AND CABLES INCLUDING SINGLE OR MULTIPLE STRANDED WIRES, CABLE WIRES, AND ROPE WIRES. THE NATIONAL TELEPHONE SUPPLY COMPANY, Cleveland, Ohio.
Filed Oct. 3, 1947, Serial No. 536,628. Published JAN. 25, 1949. Class 21.

509,873. CONNECTING AND TERMINATING SLEEVES FOR WIRES AND CABLES IN COMMUNICATION, LIGHT, AND POWER FIELDS, THE TERM WIRES AND CABLES INCLUDING SINGLE OR MULTIPLE STRANDED WIRES, CABLE WIRES, AND ROPE WIRES. THE NATIONAL TELEPHONE SUPPLY COMPANY, Cleveland, Ohio.
Filed Oct. 3, 1947, Serial No. 536,629. Published Jan. 25, 1949. Class 21.

509,874. TAG CLOTH. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,808. Published Jan. 18, 1949. Class 42.

509,875. TAG CLOTH. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,809. Published Jan. 18, 1949. Class 42.

509,876. LABEL CLOTH OF COTTON FIBERS AND FILLED ON BOTH SIDES TO PROVIDE A PRINTABLE SURFACE, SOLD IN THE ROLL AND IN SHEETS TO BE CUT UP INTO LABELS FOR PRINTING. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,811. Published Feb. 1, 1949. Class 42.

509,877. LABEL CLOTH. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,814. Published Jan. 18, 1949. Class 42.

509,878. COATED AND WATERPROOFED CLOTH OF COTTON FIBERS, IN THE PIECE AND ROLL, JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,820. Published Jan. 18, 1949. Class 42.

509,879. COATED AND WATERPROOFED CLOTH OF COTTON FIBRES, IN THE PIECE AND ROLL. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,821. Published Jan. 18, 1949. Class 42.

509,880. CIGARS. P. LORILLARD COMPANY, New York, N. Y.
Filed Oct. 6, 1947, Serial No. 536,924. Published Feb. 1, 1949. Class 17.

509,881. THREADED CAPS FOR BOTTLES, JARS, CANS, COLLAPSIBLE TUBES, AND LIP-STICK CONTAINERS. WHEELING STAMPING COMPANY, Wheeling, W. Va.
Filed Oct. 7, 1947, Serial No. 537,115. Published Jan. 18, 1949. Class 50.

509,882. THREADED CAPS FOR BOTTLES, JARS, CANS, COLLAPSIBLE TUBES, AND LIP-STICK CONTAINERS. WHEELING STAMPING COMPANY, Wheeling, W. Va.
Filed Oct. 7, 1947, Serial No. 537,116. Published Jan. 18, 1949. Class 50.

509,883. SALT AND MEAT AND POULTRY SEASONING, THE SEASONING CONSISTING OF SALT AND SPICES. MORTON SALT COMPANY, Chicago, Ill.
Filed Oct. 9, 1947, Serial No. 537,339. Published Jan. 25, 1949. Class 46.

509,884. SALT. MORTON SALT COMPANY, Chicago, Ill.
Filed Oct. 9, 1947, Serial No. 537,340. Published Jan. 25, 1949. Class 46.

509,885. SHROUD CLOTHS MADE OF COTTON AND SOLD BY THE PIECE OR BY THE YARD. THE CINCINNATI COTTON PRODUCTS COMPANY, Cincinnati, Ohio.
Filed Oct. 15, 1947, Serial No. 537,872. Published Jan. 18, 1949. Class 42.

509,886. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES—NAMELY, WATCH BRACELETS. L. & B. JEWELRY MANUFACTURING COMPANY, Providence, R. I.
Filed Oct. 15, 1947, Serial No. 537,899. Published Feb. 1, 1949. Class 28.

509,887. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES—NAMELY, BELT BUCKLES, CUFF LINKS, AND TIE SLIDES. L. & C. MAYERS CO., INC., New York, N. Y.
Filed Oct. 15, 1947, Serial No. 537,927. Published Feb. 1, 1949. Class 28.

509,888. WATCHES. VULCAIN WATCH COMPANY, INC., New York, N. Y.
Filed Oct. 15, 1947, Serial No. 537,957. Published Feb. 1, 1949. Class 27.

509,889. PRINTED COTTON CLOTH IN THE PIECE. WATTS, RITTER & CO., Huntington, W. Va.
Filed Oct. 17, 1947, Serial No. 538,204. Published Jan. 18, 1949. Class 42.

509,890. ART WARE—NAMELY, FIGURINES OF HUMAN AND ANIMAL FORM, AND WALL PLAQUES. ALEXANDER BACKER, doing business as Alexander Backer Company, Brooklyn, N. Y.
Filed Oct. 18, 1947, Serial No. 538,230. Published Jan. 18, 1949. Class 50.

509,891. ELECTRIC SPACE HEATERS—NAMELY, INDIVIDUAL ROOM HEATERS. WESIX ELECTRIC HEATER CO., San Francisco, Calif.
Filed Oct. 18, 1947, Serial No. 538,328. Published Feb. 1, 1949. Class 21.

509,892. GREEN COFFEE. BERNARD A. LIVIERATO, doing business as Livierato Brothers, New York, N. Y.
Filed Oct. 22, 1947, Serial No. 538,644. Published Jan. 25, 1949. Class 46.

509,893. THERMAL TIME DELAY TUBES OF THE TEMPERATURE RESISTANCE TYPE. BENDIX AVIATION CORPORATION, Detroit, Mich., and Teterboro, N. J.
Filed Oct. 28, 1947, Serial No. 439,258. Published Feb. 1, 1949. Class 21.

509,894. CANNED VEGETABLES, CANNED FRUITS, PEANUT BUTTER, EVAPORATED MILK, MAYONNAISE, AND PANCAKE FLOUR, MUSTARD, AND RELISH SANDWICH SPREAD. MARKET BASKET CORPORATION, Geneva, N. Y.
Filed Oct. 28, 1947, Serial No. 539,329. Published Jan. 25, 1949. Class 46.

509,895. DOLLIES FOR USE IN HAULING MATERIALS. WHITEHEAD & KALES COMPANY, Detroit, Mich.
Filed Nov. 3, 1947, Serial No. 540,004. Published Jan. 4, 1949. Class 19.

509,896. CANDY. NORRIS INC., Atlanta, Ga.
Filed Nov. 5, 1947, Serial No. 540,198. Published Feb. 1, 1949. Class 46.

509,897. CONE DIAPHRAGM FOR RADIO LOUD SPEAKER. STEVENS PRODUCTS, INC., East Orange, N. J.
Filed Nov. 6, 1947, Serial No. 540,333. Published Feb. 1, 1949. Class 21.

509,898. COAL. TERTELING BROTHERS, INCORPORATED, Madisonville, Ky.
Filed Nov. 6, 1947, Serial No. 540,341. Published Jan. 18, 1949. Class 1.

509,899. CANNED FRUITS. F. M. BALL & COMPANY, Oakland, Calif.
Filed Nov. 10, 1947, Serial No. 540,628. Published Jan. 18, 1949. Class 46.

509,900. PIECE GOODS OF WOOL, COTTON, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF, BEDSPREADS, DRAPERIES, TABLECLOTHS, AND NAPKINS. BURLINGTON MILLS CORPORATION, Greensboro, N. C.
Filed Nov. 14, 1947, Serial No. 541,080. Published Jan. 18, 1949. Class 42.

509,901. SCHOOL BOOKS. THE STECK COMPANY, Austin, Tex.
Filed July 26, 1947, Serial No. 541,776. Published Jan. 18, 1949. Class 38.

509,902. TEXTILE FABRICS IN THE PIECE OF WOOL ALONE AND IN COMBINATION WITH SILK, RAYON, AND WITH MIXTURES OF SILK AND RAYON. FOLKER FABRICS CORPORATION, New York, N. Y.
Filed Nov. 20, 1947, Serial No. 541,827. Published Feb. 1, 1949. Class 42.

509,903. SILVER-PLATED FLATWARE—NAMELY, DINNER KNIVES, DESSERT KNIVES, BUTTER KNIVES, DINNER FORKS, ETC. DOHRMANN HOTEL SUPPLY CO., San Francisco, Calif.
Filed Nov. 22, 1947, Serial No. 542,015. Published Feb. 1, 1949. Class 28.

509,904. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. FILOMENA GUERRERA, Ellwood City, Pa.
Filed Dec. 1, 1947, Serial No. 542,826. Published Jan. 4, 1949. Class 45.

509,905. FRESH VEGETABLES AND FRESH MELONS. MARTIN C. WAHL, INC., El Centro, Calif.
Filed Dec. 1, 1947, Serial No. 542,896. Published Jan. 18, 1949. Class 46.

509,906. ELECTRIC WATER HEATERS. JOHN WOOD MANUFACTURING COMPANY, INC., Conshohocken and Philadelphia, Pa., and Chicago, Ill.
Filed Dec. 4, 1947, Serial No. 543,347. Published Feb. 1, 1949. Class 21.

509,907. CIGARS. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J.
Filed Dec. 5, 1947, Serial No. 543,488. Published Feb. 1, 1949. Class 17.

509,908. CIGARS. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J.
Filed Dec. 5, 1947, Serial No. 543,489. Published Feb. 1, 1949. Class 17.

509,909. CIGARS. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J.
Filed Dec. 5, 1947, Serial No. 543,402. Published Feb. 1, 1949. Class 17.

509,910. CIGARS. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J.
Filed Dec. 5, 1947, Serial No. 543,493. Published Feb. 1, 1949. Class 17.

509,911. CIGARS. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J.
Filed Dec. 5, 1947, Serial No. 543,494. Published Feb. 1, 1949. Class 17.

509,912. CIGARS. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J.
Filed Dec. 5, 1947, Serial No. 543,496. Published Feb. 1, 1949. Class 17.

509,913. CIGARS. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J.
Filed Dec. 5, 1947, Serial No. 543,499. Published Feb. 1, 1949. Class 17.

509,914. CANNED TOMATO JUICE AND CANNED VEGETABLES. S. E. W. FRIEL, Queenstown, Md.
Filed Dec. 10, 1947, Serial No. 543,912. Published Feb. 1, 1949. Class 46.

509,915. MAGNET WIRE. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J.
Filed Dec. 13, 1947, Serial No. 544,284. Published Feb. 1, 1949. Class 21.

509,916. CIGARS. WOLF BROTHERS & CO., Red Lion, Pa.
Filed Dec. 15, 1947, Serial No. 544,418. Published Jan. 18, 1949. Class 17.

509,917. RADIO RECEIVING SETS. THE HALLICRAFTERS CO., Chicago, Ill.
Filed Dec. 18, 1947, Serial No. 544,726. Published Feb. 1, 1949. Class 21.

509,918. RADIO RECEIVING SETS. THE HALLICRAFTERS CO., Chicago, Ill.
Filed Dec. 18, 1947, Serial No. 544,781. Published Feb. 1, 1949. Class 21.

509,919. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, BRACELETS, BROOCHES, EARRINGS, AND BARRETTES. UNCAS MANUFACTURING COMPANY, Providence, R. I.
Filed Dec. 20, 1947, Serial No. 545,052. Published Feb. 1, 1949. Class 28.

509,920. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, BRACELETS, BROOCHES, EARRINGS, AND BARRETTES. UNCAS MANUFACTURING COMPANY, Providence, R. I.
Filed Dec. 20, 1947, Serial No. 545,053. Published Feb. 1, 1949. Class 28.

509,921. PUBLICATION IN THE NATURE OF A DIRECTORY PUBLISHED FROM TIME TO TIME. THE A. N. MARQUIS COMPANY, Chicago, Ill.
Filed Dec. 22, 1947, Serial No. 545,142. Published Jan. 18, 1949. Class 38.

509,922. TEXTILE CARPETS AND RUGS. THE MAGEE CARPET COMPANY, Bloomsburg, Pa.
Filed Dec. 23, 1947, Serial No. 545,271. Published Jan. 25, 1949. Class 42.

509,923. LEG MAKE-UP. CONSOLIDATED ROYAL CHEMICAL CORPORATION, Chicago, Ill.
Filed Dec. 24, 1947, Serial No. 545,346. Published Feb. 1, 1949. Class 6.

509,924. TECHNICAL MAGAZINE. GARDNER PUBLICATIONS, INC., Cincinnati, Ohio.
Filed Dec. 26, 1947, Serial No. 545,471. Published Jan. 25, 1949. Class 38.

509,925. ELECTRIC LAMPS. DEENA PRODUCTS COMPANY, Chicago, Ill.
Filed Dec. 29, 1947, Serial No. 545,620. Published Jan. 18, 1949. Class 21.

509,926. TEXTILE RUGS AND CARPETS. NYE-WAIT COMPANY, INC., Auburn, N. Y.
Filed Aug. 8, 1947, Serial No. 546,144. Published Jan. 18, 1949. Class 42.

509,927. BUCKLES AND SLIDES MADE OF OR PLATED OR COATED WITH PRECIOUS METAL FOR USE WITH WEARING APPAREL BELTS. HICKOK MANUFACTURING CO. INC., Rochester, N. Y.
Filed Jan. 20, 1948, Serial No. 547,548. Published Feb. 1, 1949. Class 28.

509,928. PIECE GOODS OF WOOL, WORSTED, COTTON, RAYON, NYLON, OR MIXTURES OF THESE MATERIALS. MANX TWEED (MANUFACTURING) COMPANY LIMITED, Laxey, Isle of Man, British Isles.
Filed Jan. 21, 1948, Serial No. 547,643. Published Jan. 25, 1949. Class 42.

509,929. FRESH VEGETABLES—NAMELY, TOMATOES. POST PRODUCE COMPANY, Edinburg, Tex.
Filed Jan. 21, 1948, Serial No. 547,658. Published July 13, 1948. Class 46.

509,930. KNITTED AND WOVEN CLOTHS MADE OF WOOL, MOHAIR, ALPACA, RABBIT, SILK, COTTON, SYNTHETIC FIBERS, OR ANY COMBINATION THEREOF, SOLD IN THE PIECE. CONTINENTAL MILLS, INC., Philadelphia, Pa.
Filed Feb. 5, 1948, Serial No. 548,801. Published Jan. 25, 1949. Class 42.

509,931. BLANKETS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed Feb. 12, 1948, Serial No. 549,537. Published Jan. 18, 1949. Class 42.

509,932. WINDOW CURTAINS, DRAPERIES, DRAPERY FABRICS, SLIP COVER MATERIALS, BEDSPREADS, ETC. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Feb. 12, 1948, Serial No. 549,583. Published Jan. 18, 1949. Class 42.

509,933. FABRICS COMPOSED OF ANY COTTON, WOOL, SILK, SYNTHETIC FIBRES, AND MIXTURES THEREOF. HARRY GOLDINGS TEXTILE CORPORATION, Los Angeles, Calif.
Filed Feb. 14, 1948, Serial No. 549,726. Published Jan. 18, 1949. Class 42.

509,934. WEATHER STRIP FELT. AMERICAN FELT COMPANY, Glenville, Conn.
Filed Feb. 20, 1948, Serial No. 550,205. Published Jan. 25, 1949. Class 12.

509,935. SLIP COVER MATERIAL OF COTTON AND SYNTHETIC FIBERS. CRAWFORD MANUFACTURING CO., INC., Richmond, Va.
Filed Feb. 20, 1948, Serial No. 550,219. Published Jan. 18, 1949. Class 42.

509,936. PERIODICAL. THOMAS PUBLISHING COMPANY, New York, N. Y.
Filed Feb. 24, 1948, Serial No. 550,460. Published Jan. 18, 1949. Class 38.

509,937. CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky.
Filed Feb. 25, 1948, Serial No. 550,482. Published Feb. 1, 1949. Class 17.

509,938. LITTLE CIGARS. CLOVER TOBACCO CO., INC., Irvington, N. Y.
Filed Feb. 26, 1948, Serial No. 550,585. Published Feb. 1, 1949. Class 17.

509,939. CIGARETTES. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y.
Filed Feb. 27, 1948, Serial No. 550,717. Published Feb. 1, 1949. Class 17.

509,940. CIGARETTES. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y.
Filed Feb. 27, 1948, Serial No. 550,718. Published Feb. 1, 1949. Class 17.

509,941. CIGARETTES. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y.
Filed Feb. 27, 1948, Serial No. 550,719. Published Feb. 1, 1949. Class 17.

509,942. SMOKING TOBACCO. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y.
Filed Feb. 27, 1948, Serial No. 550,720. Published Feb. 1, 1949. Class 17.

509,943. NON-PRECIOUS COSTUME JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES. SHIRLEY MARKS, New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,815. Published Feb. 1, 1949. Class 28.

509,944. GREETING CARDS, PRINTED GREETING FOLDERS, CALENDARS, PRINTED SEALS, AND PRINTED DECORATIVE TAGS. NORCROSS, INC., New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,820. Published Jan. 18, 1949. Class 38.

509,945. SHOWER CURTAINS. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y.
Filed Mar. 5, 1948, Serial No. 551,276. Published Jan. 18, 1949. Class 42.

509,946. RAPID CALCULATING BOOKS. SIMPLEX BINDER CO., New York, N. Y.
Filed Mar. 5, 1948, Serial No. 551,321. Published Jan. 18, 1949. Class 38.

509,947. LADIES' JEWELRY, SPECIFICALLY BRACELETS, BROOCHES, EARRINGS, NECKLACES, AND CHATELAINE PINS. HARRY S. BICK & SON, New York, N. Y.
Filed Mar. 12, 1948, Serial No. 551,759. Published Feb. 1, 1949. Class 28.

509,948. SHOE BUCKLES PLATED WITH PRECIOUS METALS. FELCH-ANDERSON CO., Providence, R. I.
Filed Mar. 12, 1948, Serial No. 551,786. Published Feb. 1, 1949. Class 28.

509,949. GREETING CARDS. UNITED PRINTERS AND PUBLISHERS (INCORPORATED), doing business as Rust Craft Publishers, Boston, Mass.
Filed Mar. 13, 1948, Serial No. 551,921. Published Jan. 18, 1949. Class 38.

509,950. WATCHES. GRANAT BROS., INC., San Francisco, Calif.
Filed Mar. 17, 1948, Serial No. 552,142. Published Feb. 1, 1949. Class 27.

509,951. WATCHES. R. H. MACY & CO., INC., New York, N. Y.
Filed Dec. 24, 1947, Serial No. 552,369. Published Feb. 1, 1949. Class 27.

509,952. LIQUID PREPARATION FOR USE IN THE TREATMENT OF EPIDERMOPHYTOSIS. WILLIAM H. ROHRS, INC., Philadelphia, Pa.
Filed Mar. 10, 1948, Serial No. 552,924. Published Feb. 1, 1949. Class 6.

509,953. WATCHES AND PARTS OF WATCHES. PIERRE NICOLET, Tramelan, Switzerland.
Filed Mar. 26, 1948, Serial No. 553,124. Published Feb. 1, 1949. Class 27.

509,954. TRADING STAMPS. MIDWEST UTILITIES CO., INC., St. Louis, Mo.
Filed Apr. 10, 1948, Serial No. 554,319. Published Jan. 18, 1949. Class 38.

509,955. PIECE GOODS OF COTTON, RAYON, WOOL, AND SYNTHETIC FIBRES. REEVES BROTHERS, INC., New York, N. Y.
Filed Apr. 15, 1948, Serial No. 554,704. Published Jan. 18, 1949. Class 42.

509,956. PIECE GOODS OF RAYON, NYLON, AND COTTON, AND/OR COMBINATIONS THEREOF. ARTHUR S. HEIMAN, INC., New York, N. Y.
Filed Apr. 20, 1948, Serial No. 555,097. Published Feb. 1, 1949. Class 42.

509,957. PUBLICATION ISSUED WEEKLY. WHALEY-EATON CORPORATION, Washington, D. C.
Filed Apr. 20, 1948, Serial No. 555,130. Published Jan. 25, 1949. Class 38.

509,958. PIECE GOODS OF COTTON, WOOL, AND SYNTHETIC FIBERS. BURLINGTON MILLS CORPORATION, Greensboro, N. C.
Filed Apr. 21, 1948, Serial No. 555,150. Published Feb. 1, 1949. Class 42.

509,959. PIECE GOODS OF COTTON, WOOL, AND SYNTHETIC FIBERS. BURLINGTON MILLS CORPORATION, Greensboro, N. C.
Filed Apr. 21, 1948, Serial No. 555,153. Published Feb. 1, 1949. Class 42.

509,960. WINDOW AND SHOWER CURTAINS. SADWIN CURTAIN MFG. CO. INC., Woonsocket, R. I.
Filed Apr. 22, 1948, Serial No. 555,307. Published Feb. 1, 1949. Class 42.

509,961. SHEETS, TOWELS, TOWELING, SHEETING, BEDSPREADS, WINDOW AND SHOWER CURTAINS, BLANKETS, DRAPES, TICKING, ETC. INSTITUTIONAL PRODUCTS COMPANY, New York, N. Y.
Filed Apr. 24, 1948, Serial No. 555,521. Published Feb. 1, 1949. Class 42.

509,962. TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, SILK, PROTEIN FIBERS, AND COMBINATIONS THEREOF. CAPITOL FABRICS, INC., New York, N. Y.
Filed May 5, 1948, Serial No. 556,245. Published Feb. 1, 1949. Class 42.

509,963. WINDOW CURTAINS. CORTLEY CURTAIN CORPORATION, New York, N. Y.
Filed June 28, 1948, Serial No. 560,319. Published Jan. 18, 1949. Class 42.

509,964. COTTON PIECE GOODS. DAN RIVER MILLS, INCORPORATED, Danville, Va.
Filed June 30, 1948, Serial No. 560,451. Published Jan. 18, 1949. Class 42.

509,965. KNITTED AND WOVEN FABRICS MADE FROM COTTON, WOOLEN, OR SYNTHETIC YARNS OR FIBERS, OR COMBINATIONS THEREOF. KILBURN MILL, New Bedford, Mass.
Filed June 30, 1948, Serial No. 560,480. Published Jan. 18, 1949. Class 42.

509,966. PILE AND FLAT FABRICS, WOVEN, KNITTED, OR NETTED, ETC. VANETTA VELVET CORPORATION, New York, N. Y.
Filed July 2, 1948, Serial No. 560,668. Published Jan. 18, 1949. Class 42.

Service Marks

509,967. CLEANING, DYEING, PRESSING, AND STORING GARMENTS AND HOUSEHOLD GOODS. BORNOT, INC., Philadelphia, Pa.
Filed July 17, 1947, Serial No. 528,758. Published Jan. 25, 1949. Class 55.

509,968. CLEANING, DYEING, PRESSING, AND STORING GARMENTS AND HOUSEHOLD GOODS. BORNOT, INC., Philadelphia, Pa.
Filed July 17, 1947, Serial No. 528,759. Published Jan. 25, 1949. Class 55.

509,969. LAUNDRY, DRY-CLEANING, SHIRT REPAIRS, WASHING LACE CURTAINS, ETC. THE PILGRIM LAUNDRY, INC., Brooklyn, N. Y.
Filed July 23, 1947, Serial No. 529,295. Published Nov. 16, 1948. Class 55.

509,970. EXPLORING AND DISCOVERING, GATHERING, COMPILING AND DISSEMINATING KNOWLEDGE OF THE SCIENCE OF THE EARTH AND ITS LIFE, ETC. NATIONAL GEOGRAPHIC SOCIETY, Washington, D. C.
Filed Aug. 18, 1947, Serial No. 531,698. Published Jan. 18, 1949. Class 55.

509,971. RAILROAD TRANSPORTATION OF PASSENGERS AND FREIGHT. NORFOLK AND WESTERN RAILWAY COMPANY, Roanoke, Va.
Filed Aug. 18, 1947, Serial No. 531,702. Published Jan. 25, 1949. Class 55.

Consolidated Certificate

509,972. CONSOLIDATED CERTIFICATE. SPENCER THERMOSTAT COMPANY, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts.
WATER, STEAM AND GAS VALVES. Filed July 5, 1947, Serial No. 527,145. Published Mar. 30, 1948. Class 13.
MAGNETIC RELAYS, AND MECHANICALLY ACTUATED ELECTRIC SWITCHES. Filed July 5, 1947, Serial No. 527,153. Published Sept. 21, 1948. Class 21.
THERMOSTATIC CONTROLS FOR ACTUATING VALVES AND ELECTRIC SWITCHES. Filed July 5, 1947, Serial No. 527,087. Published Dec. 21, 1948. Class 26.
GAS BURNERS AND SAFETY PILOTS. Filed July 5, 1947, Serial No. 527,146. Published Feb. 17, 1948. Class 34.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

509,973. (CLASS 38. PRINTS AND PUBLICATIONS.) FRANK E. THOMPSON, JR., doing business as Woodbeck Publishing Company, Grand Rapids, Mich. Filed Jan. 26, 1948, Serial No. 504,404.

RESORT TOPICS
THE NATIONAL MAGAZINE OF THE RESORT TRADE

FOR PERIODICAL.
Claims use since Dec. 1, 1945.

509,974. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CAROLINA FARMER PUBLISHING COMPANY, INC., Greensboro, N. C. Filed Apr. 26, 1948, Serial No. 505,731.

Carolina Farmer

The drawing is lined for the color blue.
FOR MONTHLY MAGAZINE.
Claims use since Mar. 1, 1946.

509,975. (CLASS 19. VEHICLES.) MCCAULEY CORPORATION, Dayton, Ohio. Filed July 3, 1948; originally filed July 5, 1947, Serial No. 506,179.

MET-L-PROP

FOR PROPELLERS FOR USE ON AIRPLANES.
Claims use since May 28, 1946.

509,976. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) PARAGON ART & LINEN CO. INC., New York, N. Y. Filed Aug. 3, 1946, Serial No. 511,829.

Paragon Needlecraft

Applicant claims ownership of Registration No. 434,080.
FOR TABLE PLACE MATS OF LINEN, COTTON, AND RAYON.
Claims use since Aug. 20, 1946.

509,977. (CLASS 39. CLOTHING.) IRVING ABRAMS, New York, N. Y. Filed Mar. 30, 1948, Serial No. 514,457.

Jan Marcé

Jan Marcé is a fanciful name.
FOR LADIES' FUR COATS, JACKETS, CAPES, AND SCARFS.
Claims use since Dec. 16, 1946.

509,978. (CLASS 27. HOROLOGICAL INSTRUMENTS.) PAMM FRERES MONTRES LUSINA S. A. R. L., Geneva, Switzerland. Filed Nov. 10, 1947; originally filed, act of 1905, Dec. 21, 1946, Serial No. 514,668.

PAMM FRÈRES
GENÈVE

Applicant claims ownership of Swiss Registration No. 116,991, dated Sept. 5, 1946.
FOR WATCHES AND PARTS THEREOF.
Claims use since Sept. 5, 1946.

509,979. (CLASS 19. VEHICLES.) KARRIER MOTORS LIMITED, Coventry, Warwickshire, England. Filed Mar. 22, 1948; originally filed, act of 1905, Feb. 3, 1947, Serial No. 516,850.

KARRIER

Applicant claims ownership of British Registration No. 404,462, dated May 25, 1920.
FOR COMMERCIAL ROAD VEHICLES—NAMELY, DUMP TRUCKS, GOODS-CARRYING TRUCKS, AND LIQUID-CARRYING TANK VEHICLES; PASSENGER ROAD VEHICLES—NAMELY, PASSENGER BUSES AND PASSENGER COACHES; AND MUNICIPAL ROAD VEHICLES—NAMELY, GULLEY EMPTIERS, ROAD SPRINKLERS, REFUSE COLLECTORS, AND CESSPOOL EMPTIERS; AND CHASSIS FOR THE VEHICLES.

509,980. (CLASS 19. VEHICLES.) KARRIER MOTORS LIMITED, Coventry, England. Filed Mar. 15, 1948; originally filed, act of 1905, Feb. 8, 1947, Serial No. 516,852.

COLT

Applicant claims ownership of British Registration No. 518,039, dated Nov. 22, 1930.
FOR PASSENGER ROAD VEHICLES—NAMELY, PASSENGER BUSES AND PASSENGER COACHES; COMMERCIAL ROAD VEHICLES—NAMELY, DUMP TRUCKS, GOODS CARRYING TRUCKS, LIQUID-CARRYING TANK VEHICLES, THREE-WHEELED LOAD-CARRYING VEHICLES, AND THREE-WHEELED TRACTOR TRUCKS; AND CHASSIS FOR THE VEHICLES.

509,981. (CLASS 15. OILS AND GREASES.) AMERICAN GREASE STICK COMPANY, Muskegon, Mich. Filed Mar. 16, 1948, Serial No. 518,638.

LOCK-EASE

FOR LUBRICATING OILS.
Claims use since Feb. 26, 1947.

509,982. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) ARTHUR S. HEIMAN, INC., New York, N. Y. Filed Nov. 12, 1948, Serial No. 518,952.

HY-SHEER

FOR RAYON PIECE GOODS.
Claims use since Mar. 1, 1947.

509,983. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ROBERT BATES, doing business as R. B. Bates Manufacturing Co., Athens, Tenn. Filed Feb. 24, 1948; originally filed, act of 1905, June 18, 1947, Serial No. 524,105.

BATES CLEANER

FOR CLEANING COMPOUND FOR UPHOLSTERY, RUGS, AND PAINTED SURFACES.
Claims use since 1936.

509,984. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DAVID ABRAMS, doing business as Topps Plastic Products, New York, N. Y. Filed Nov. 9, 1948, Serial No. 524,273.

Tag-it

FOR IDENTIFICATION TAG HOLDERS.
Claims use since Apr. 30, 1947.

509,985. (CLASS 38. PRINTS AND PUBLICATIONS.) SOUTH ST. LOUIS COUNTY NEWS, Affton, Mo. Filed Sept. 10, 1948, Serial No. 525,707.

SOUTH-ST. LOUIS
COUNTY NEWS
AFFTON 23, MISSOURI

FOR NEWSPAPER.
Claims use since May 8, 1947.

509,986. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Jan. 26, 1949, Serial No. 530,128.

STA-THIK

FOR INDELIBLE STARCH FOR INDUSTRIAL PURPOSES.
Claims use since June 21, 1947.

509,987. (CLASS 19. VEHICLES.) THE HOCKENSMITH CORPORATION, Penn, Pa. Filed Feb. 16, 1949, Serial No. 535,152.

OILSPOK

FOR MINE CAR WHEELS.
Claims use since Dec. 20, 1946.

509,988. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ROBERT G. BOGHMAN, doing business as Rope Treat, Westminster, Colo. Filed Oct. 13, 1947, Serial No. 537,669.

Rope Treat

FOR LIQUID DRESSING FOR HARD TWIST NYLON, MANILA, AND SISAL ROPES.
Claims use since Sept. 16, 1946.

509,989. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Oct. 30, 1947, Serial No. 539,519.

"It DOES make a difference where you buy your RADIO"

Applicant claims ownership of Registration No. 274,740.
FOR RADIO RECEIVING SETS.
Claims use since Apr. 1, 1929.

509,990. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) R U M COMPANY LTD., Basel, Switzerland. Filed Mar. 8, 1949; originally filed, Nov. 12, 1947, Serial No. 540,902.

CLUB
Brandy
PRODUIT GARANTI NATUREL
distillé de vins purs
IMPORTÉ PAR
RUM COMPANY LTD

Applicant claims ownership of Swiss Registration No. 102,443, dated July 8, 1942.
FOR BRANDY.

508,991. (CLASS 37. PAPER AND STATIONERY.) CROWN ZELLERBACH CORPORATION, also doing business as National Paper Products Co. and Nata Products Company, San Francisco, Calif. Filed Mar. 7, 1949; originally filed Nov. 22, 1947, Serial No. 542,004.

COUNTERFOLD

FOR TOILET TISSUE.
Claims use since Nov. 1, 1946.

508,992. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) COE LABORATORIES, INC., Chicago, Ill. Filed Jan. 10, 1949, Serial No. 544,549.

COE-FLO

Applicant claims ownership of Registration No. 278,999.
FOR DENTURE IMPRESSION MATERIAL.
Claims use since July 1947.

508,993. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR A. OMANOFF, doing business under the name of Omanoff Caviar Co., New York, N. Y. Filed Sept. 16, 1948, Serial No. 546,321.

ARNOLD SORENSIN

The mark is not represented to be the name of any particular living person.
FOR CANNED IMPORTED SPRATTS, CANNED SARDINES, CANNED ANCHOVIES, AND CANNED TUNA FISH.
Claims use since Dec. 30, 1947.

508,994. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOHN SAGE, Flushing, N. Y. Filed Jan. 12, 1949, Serial No. 545,327.

"HABIT-LICK"

FOR DEVICE FOR PREVENTING THUMB-SUCKING, NAIL-BITING, TONGUE-THRUSTING, AND OTHER OBJECTIONABLE MOUTH HABITS.
Claims use since Dec. 16, 1947.

508,995. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HOWARD W. NAYLOR, doing business as H. W. Naylor Co., Morris, N. Y. Filed Dec. 21, 1948, Serial No. 546,415.

Dr. Naylor

Applicant claims ownership of Registration No. 232,127.
FOR TEAT DILATORS.
Claims use since Aug. 1, 1947.

508,996. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) R. G. MILLER, INC., Dalton, Ga. Filed Feb. 2, 1949, Serial No. 552,474.

French Twist Rug

FOR PILE RUGS.
Claims use since Oct. 1, 1947.

508,997. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) WAWAK COMPANY, INC., Chicago, Ill. Filed Feb. 14, 1949; originally filed Apr. 7, 1948, Serial No. 554,056.

O-So-Cool

Applicant claims ownership of Registration No. 407,832.
FOR WOOLEN PIECE GOODS.
Claims use since 1928.

508,998. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) WAWAK COMPANY, INC., Chicago, Ill. Filed Feb. 14, 1949; originally filed Apr. 7, 1948, Serial No. 554,057.

SUPER COOL

Applicant claims ownership of Registration No. 402,879.
FOR WOOLEN PIECE GOODS.
Claims use since Nov. 20, 1941.

508,999. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) WAWAK COMPANY, INC., Chicago, Ill. Filed Feb. 14, 1949; originally filed Apr. 7, 1948, Serial No. 554,058.

VERILITE

Applicant claims ownership of Registration No. 407,833.
FOR WOOLEN PIECE GOODS.
Claims use since July 1, 1930.

510,000. (CLASS 38. PRINTS AND PUBLICATIONS.) IDEAL PUBLISHING CORP., New York, N. Y. Filed Feb. 28, 1949, Serial No. 555,820.

Intimate ROMANCES

FOR PERIODICAL.
Claims use since Feb. 15, 1948.

510,001. (CLASS 19. VEHICLES.) WHEEL TRUING BRAKE SHOE COMPANY, Detroit, Mich. Filed Jan. 30, 1948, Serial No. 556,748.

WHEEL TRUING BRAKE SHOE

Applicant claims ownership of Registration No. 142,223.
FOR BRAKE-SHOES PROVIDED WITH AN ABRASIVE FACE FOR GRINDING CAR-WHEELS WHILE IN SERVICE.
Claims use since May 31, 1898.

510,002. (CLASS 38. PRINTS AND PUBLICATIONS.) HAIRE PUBLISHING COMPANY, New York, N. Y. Filed Mar. 15, 1949, Serial No. 556,794.

AIRPORTS and AIR CARRIERS

Applicant claims ownership of Registration No. 417,391.
FOR MAGAZINE.
Claims use since Mar. 1, 1948.

510,003. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Mar. 17, 1949, Serial No. 561,285.

CRIMSON LILAC

FOR ROUGE, LIPSTICK, AND NAIL POLISH.
Claims use since Mar. 1, 1948.

510,004. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE BON AMI COMPANY, New York, N. Y. Filed Mar. 16, 1949, Serial No. 575,512.



Applicant claims ownership of Registrations Nos. 504,032, 261,327, 243,033, 297,071, 50,848, 299,120, 293,055, 337,902, 395,607, 218,840, 342,279, 99,079, 109,312, and 88,548.
FOR HOUSEHOLD CLEANSER IN CAKE FORM.
Claims use since 1939.

Service Marks

510,005. (CLASS 55. SERVICES.) ASSET REALISATION COMPANY, Newark, N. J. Filed Feb. 8, 1949, Serial No. 533,259.

Action in Real Estate

FOR SERVICES RENDERED IN THE REAL ESTATE BROKERAGE BUSINESS—NAMELY, THE SELLING, RENTING, APPRAISING, MANAGING, AND FINANCING OF REAL ESTATE.
Claims use since Aug. 10, 1947.

510,006. (CLASS 55. SERVICES.) RAY J. WHITE, Lewiston, Idaho. Filed Dec. 15, 1947, Serial No. 544,414.

Homes for the Homeless

FOR SERVICES OF REAL ESTATE BROKERAGE, MORTGAGING AND INSURING.
Claims use since July 25, 1922.

510,007. (CLASS 55. SERVICES.) DRIVE-A-CAR SYSTEM, INC., Kansas City, Mo. Filed Mar. 12, 1949, Serial No. 558,478.

DRIVE-A-CAR SYSTEM

FOR MOTOR CAR RENTAL SERVICE.
Claims use since Aug. 21, 1947.

TRADE-MARK REGISTRATIONS RENEWED

32,487. "HELIOS" ETC. ENCLOSED BY DIAMOND DESIGN. Registered Feb. 7, 1899. Crandall Packing Company. Re-renewed Feb. 7, 1940, to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. PACKINGS. Class 35.

32,516. "BLUE RIBBON" ETC. AND DESIGN. Registered Feb. 21, 1899. Oakford & Fahnestock. Re-renewed Feb. 21, 1949, to The Oakford Company, Peoria, Ill., a corporation of Illinois. PACKAGE-TEA. Class 46.

32,606. "H H" MONOGRAM ENCLOSED BY DIAMOND DESIGN. Registered Mar. 21, 1899. Henry Heide. Re-renewed Mar. 21, 1949, to Henry Heide, Incorporated, New York, N. Y., a corporation of New York. CONFECTIONERY GENERALLY. Class 46.

33,327. RAMESES II. Registered Aug. 8, 1899. Stephano Bros., Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Aug. 8, 1949. CIGARETTES AND SMOKING-TOBACCO. Class 17.

72,303. "USMC" MONOGRAM. Registered Jan. 12, 1909. United Shoe Machinery Company. Re-renewed Jan. 12, 1949, to United Shoe Machinery Corporation, Boston, Mass., a corporation of New Jersey. MACHINERY FOR CUTTING OR TRIMMING PARTS OF BOOTS OR SHOES; MACHINERY FOR INSERTING FASTENINGS, SLUGS, OR PROTECTORS IN THE SOLES OR HEELS OF BOOTS AND SHOES, ETC. Class 23.

72,875. "ZENITH" ETC. AND DESIGN. Registered Mar. 2, 1909. Marshall-Wells Hardware Co. Re-renewed Mar. 2, 1949, to Marshall-Wells Company, Duluth, Minn., a corporation of New Jersey. STOVES AND KITCHEN-RANGES. Class 34.

72,888. HORNITE. Registered Mar. 2, 1909. United States Fastener Co., Portland, Maine, and Boston, Mass. Re-renewed Mar. 2, 1949, to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts. SNAP FASTENERS. Class 40.

73,163. "JL" MONOGRAM. Registered Mar. 23, 1909. Jones & Laughlin Steel Company. Re-renewed Mar. 23, 1949, to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania. ARTICLES OF COLD DRAWN STEEL, COLD-ROLLED STEEL, STEEL FORGINGS, ETC. Class 14.

73,180. OVOLAX. Registered Mar. 30, 1909. John Wyeth & Brother, Inc. Re-renewed Mar. 30, 1949, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. LAXATIVE CONFECTION OF PHENOLPHTALEIN. Class 6.

73,540. "ZENITH" ETC. AND DESIGN. Registered Apr. 27, 1909. Marshall-Wells Hardware Co. Re-renewed Apr. 27, 1949, to Marshall-Wells Company, Duluth, Minn., a corporation of New Jersey. LAWNMOWERS. Class 23.

74,148. STEROZOL. Registered June 22, 1909. Arnold H. Peter. Re-renewed June 22, 1949, to Wallerstein Company, Inc., New York, N. Y., a corporation of New York. ALKALINE SOLUTION OF A HYPOBROMITE USED AS A CLEANSING, DISINFECTING, AND DEODORIZING AGENT IN BREWERIES, ETC. Class 6.

74,289. LINOTYPE. Registered June 29, 1909. Mergenthaler Linotype Company, New York, N. Y. Re-renewed June 29, 1949, to Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York. MACHINES FOR PRODUCING TYPE-BARS. Class 23.

74,724. "POSLAM" AND DESIGN. Registered Aug. 3, 1909. Emergency Laboratories, New York, N. Y. Re-renewed Aug. 3, 1949, to Omega Chemical Company, Inc., Jersey City, N. J., a corporation of New Jersey. REMEDY FOR ERUPTIONAL SKIN DISEASES. Class 6.

74,922. "BOSTON COMBINATION" AND DESIGN. Registered Aug. 17, 1909. Dwinell-Wright Company, Boston, Mass., a corporation of Massachusetts. Re-renewed Aug. 17, 1940. BLENDED COFFEE. Class 46.

250,058. "McCREE'S GOOSGREASE SAV" AND DESIGN. Registered Nov. 27, 1928. Wade H. McCree, doing business as McCree Products Company, Chicago, Ill. Renewed Nov. 27, 1948. HEALING SALVES FOR EXTERNAL APPLICATION. Class 6.

251,539. "SLIGH" ETC. AND DRAWING. Registered Jan. 8, 1929. Sligh Furniture Company. Renewed Jan. 8, 1949, to Sligh Furniture Company, Grand Rapids, Mich., a corporation of Michigan. WOODEN HOUSEHOLD FURNITURE—NAMELY, DRESSERS, CHIFFONIERS, DRESSING TABLES, BEDS, CHAIRS, ETC. Class 32.

252,969. GERBRO. Registered Feb. 19, 1929. Gerber Brothers, Brooklyn, N. Y., a firm. Renewed Feb. 19, 1949. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, CANNED FRUITS FOR SALAD, OLIVE OIL, ETC. Class 46.

252,975. NEOLOY. Registered Feb. 19, 1929. Edward Katzinger Company. Renewed Feb. 19, 1949, to Ekco Products Company, Chicago, Ill., a corporation of Illinois. BASE-METAL PIE PLATES, CAKE PANS, AND HOUSEHOLD CULINARY MOLDS. Class 13.

252,992. EKCOWARE. Registered Feb. 19, 1929. Edward Katzinger Company. Renewed Feb. 19, 1949, to Ekco Products Company, Chicago, Ill., a corporation of Illinois. BASE-METAL BOWLS, PANS, POTS, KETTLES, CAKE STANDS, FUNNELS, STRAINERS, ETC. Classes 13 and 23.

253,075. DAMEENA. Registered Feb. 19, 1929. Forstmann & Huffmann Company. Renewed Feb. 19, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

253,490. "PIC RIC PENATROME" AND DESIGN. Registered Feb. 26, 1929. William Douglas Hall, Dayton, Ohio. Renewed Feb. 26, 1949. ANTISEPTIC. Class 6.

253,562. "MISTOL STANCO INCORPORATED" ETC. AND REPRESENTATION OF CARTON. Registered Feb. 26, 1929. Stanco Incorporated. Renewed Feb. 26, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. NOSE AND THROAT SPRAY. Class 6.

253,646. GLOMOR. Registered Mar. 5, 1929. Nathan Siegel, doing business as Williamsburg Knitting Mills, assignor to Williamsburg Knitting Mills, Inc. Renewed Mar. 5, 1949, to Williamsburg Knitting Mills, Inc., Brooklyn, N. Y., a corporation of New York. UNDERGARMENTS—NAMELY, SHIRTS, DRAWERS, AND UNION SUITS—OF KNITTED MATERIALS AND TEXTILE FABRICS FOR MEN, ETC. Class 39.

253,754. MEMRI-MINDER. Registered Mar. 5, 1929. Eaton, Crane & Pike Company. Renewed Mar. 5, 1949, to Eaton Paper Corporation, Pittsfield, Mass., a corporation of Massachusetts. MEMORANDUM PADS AND WRITING PAPER. Class 37.

253,832. OX-HIDE. Registered Mar. 5, 1929. J. C. Penney Company, Wilmington, Del., and New York, N. Y. Renewed Mar. 5, 1949, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. COTTON CANVAS WORK GLOVES. Class 39.

253,920. TRONA. Registered Mar. 12, 1929. Forstmann & Huffmann Company. Renewed Mar. 12, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

253,921. FLAMMA. Registered Mar. 12, 1929. Forstmann & Huffmann Company. Renewed Mar. 12, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

254,022. "BARI O MEAL" AND DESIGN. Registered Mar. 12, 1929. Victor X-Ray Corporation, Chicago, Ill. Renewed Mar. 12, 1949, to General Electric X-Ray Corporation, Milwaukee, Wis., a corporation of New York. MIXTURE OF BARIUM SULPHATE WITH CEREAL ADAPTED TO BE USED INTERNALLY FOR PRODUCING OPACITY PRELIMINARY TO X-RAY PHOTOGRAPHY. Class 6.

254,122. "AVE MARIA" AND OVAL DESIGN. Registered Mar. 12, 1929. Prince Matchabelli Perfumery. Renewed Mar. 12, 1949, to Prince Matchabelli, Inc., New York, N. Y., a corporation of Delaware. PERFUMES. Class 6.

254,283. "THE CHIEF" ETC. AND DESIGN. Registered Mar. 19, 1929. The New York Civil Service Employees' Publishing Company, Inc., New York, N. Y., a corporation of New York. Renewed Mar. 19, 1949. WEEKLY NEWSPAPER. Class 38.

254,457. HOVA. Registered Mar. 26, 1929. Forstmann & Huffmann Company. Renewed Mar. 26, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

254,458. KONGA. Registered Mar. 26, 1929. Forstmann & Huffmann Company. Renewed Mar. 26, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

254,543. MOTOR TERMINALS. Registered Mar. 26, 1929. Motor Terminals Company, Wilmington, Del. Renewed Mar. 26, 1949, to Motor Terminals, Inc., Cincinnati, Ohio, a corporation of Ohio. HOISTING CRANES AND PARTS THEREOF. Class 28.

254,589. "TDC" MONOGRAM ENCLOSED BY TRIANGULAR DESIGN. Registered Mar. 26, 1929. The Timken-Detroit Company. Renewed Mar. 26, 1949, to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio. OIL BURNERS. Class 34.

254,693. NOREEDA. Registered Mar. 26, 1929. Forstmann & Huffmann Company. Renewed Mar. 26, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

254,816. BROADSHIRE. Registered Apr. 2, 1929. Wilson Brothers, Chicago, Ill., a corporation of Illinois. Renewed Apr. 2, 1949. SHIRTS (DRESS AND NEGLIGEE), NIGHTSHIRTS, AND PAJAMAS. Class 39.

254,872. "DUCODUCT". Registered Apr. 2, 1929. Insulated Duct & Cable Company, Trenton, N. J., a corporation of New Jersey. Renewed Apr. 2, 1949. FLEXIBLE NON-METALLIC CONDUITS FOR INSULATING AND MECHANICAL PROTECTION OF WIRES AND CABLES. Class 21.

255,029. "BABY FACE" AND REPRESENTATION OF A BABY'S FACE. Registered Apr. 9, 1929. Lawrence Bernstein, New York, N. Y. Renewed Apr. 9, 1949. CHILDREN'S RAYON UNDERWEAR. Class 39.

255,121. BROOKWOOD. Registered Apr. 16, 1929. Wilson Brothers, Chicago, Ill., a corporation of Illinois. Renewed Apr. 16, 1949. NEGLIGEE SHIRTS, HOSIERY, AND PAJAMAS. Class 39.

255,145. BELLA. Registered Apr. 16, 1929. Forstmann & Huffmann Company. Renewed Apr. 16, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

255,253. KASHMIRUSSA. Registered Apr. 16, 1929. Forstmann & Huffmann Company. Renewed Apr. 16, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

255,254. KASHMIROLA. Registered Apr. 16, 1929. Forstmann & Huffmann Company. Renewed Apr. 16, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

255,255. NUFERRA. Registered Apr. 16, 1929. Forstmann & Huffmann Company. Renewed Apr. 16, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

255,256. KASHMIRTORGA. Registered Apr. 16, 1929. Forstmann & Huffmann Company. Renewed Apr. 16, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

255,257. KASHMIRASMA. Registered Apr. 16, 1929. Forstmann & Huffmann Company. Renewed Apr. 16, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

255,258. KASHMIRLANGA. Registered Apr. 16, 1929. Forstmann & Huffmann Company. Renewed Apr. 16, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

255,667. LARMES DE FLEURS. Registered Apr. 30, 1929. Edward J. Fay. Renewed Apr. 30, 1949, to Parfumerie de Raymond, New York, N. Y., a firm. PERFUMES, TOILET WATER, HAIR TONIC, SHAMPOO OIL, FACE POWDER, LIP ROUGE, FACE ROUGE, ETC. Class 6.

255,687. "THE TOY HOUSE" AND DESIGN. Registered Apr. 30, 1929. Pauline M. Blackinton, doing business as The Toy House, Medford, Mass. Renewed Apr. 30, 1949, to World Toy House, Inc., St. Paul, Minn., a corporation of Minnesota. CARD GAMES, BEAN-BAG GAMES, TABLE GAMES, MARBLE GAMES, AND PARLOR GAMES, ETC. Class 22.

255,807. SIMPLEX. Registered Apr. 30, 1929. Miller Printing Machinery Co., Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Apr. 30, 1949. PRINTING PRESSES. Class 23.

256,051. APIS. Registered May 7, 1929. Societe Anonyme des Anciens Etablissements J. M. Palliard, Paris, France, a corporation organized under the laws of the Republic of France. Renewed May 7, 1949. ERASERS OF RUBBER OR COMPOSITION MATERIALS. Class 37.

256,164. "REGAL" ENCLOSED BY OVAL OUTLINE. Registered May 7, 1929. Regal Musical Instrument Co., Chicago, Ill., a corporation of Illinois. Renewed May 7, 1940. TENOR GUITAR, UKULELE, BANJO, TENOR BANJO, MANDOLA, TIPLE, ETC. Class 36.

256,291. "EXTRA SUBLIME" AND DIAMOND-SHAPED DESIGN. Registered May 14, 1929. Cumberland Macaroni Mfg. Company, Cumberland, Md., a firm. Renewed May 14, 1949. MACARONI. Class 46.

256,369. VEGA. Registered May 14, 1929. Forstmann & Huffmann Company. Renewed May 14, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. COAT AND SUIT FABRICS OF WOOL. Class 42.

257,033. "GARLOCK" ENCLOSED BY DIAMOND DESIGN AND REPRESENTATION OF CALIPERS AND SCALE DEVICE. Registered May 28, 1929. The Garlock Packing Company, Palmyra, N. Y., a corporation of New York. Renewed May 28, 1949. CORD PLUGS FOR CLEANING CONDENSER TUBES. Class 13.

257,066. MUSSINETTE. Registered May 28, 1929. Forstmann & Huffmann Company. Renewed May 28, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

257,077. SPARTAN. Registered May 28, 1929. Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts. Renewed May 28, 1949. LEATHER SHOE SOLES. Class 39.

257,849. "DUX-BAK" AND REPRESENTATION OF A DUCK. Registered June 4, 1929. Crawford-Austin Manufacturing Company, Waco, Tex., a corporation of Texas. Renewed June 4, 1949. COTTON PICKERS' SACKS. Class 2.

257,609. SCARE-CROW. Registered June 11, 1929. Benjamin D. Smith, doing business as Smith Mfg. Co., Utica, N. Y. Renewed June 11, 1949. INSECTICIDES—NAMELY, SOLUTION FOR SATURATING CORN SEED, WHICH SOLUTION IS ADAPTED TO REPEL CROWS, ETC. Class 6.

257,727. LABEL DESIGN. Registered June 18, 1929. Parfumerie Roger et Gallet, Societe Anonyme, Paris, France. Renewed June 18, 1949, to Roger & Gallet, New York, N. Y., a corporation of New York. PERFUMERY PRODUCTS—NAMELY, EXTRACTS, TOILET WATERS, PASTES, AND POWDERS FOR BEAUTIFYING AND PRESERVING THE SKIN AND HAIR. Class 6.

257,880. VANBEENOL. Registered June 18, 1929. W. J. Bush & Company Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed June 18, 1949. POMADES AND TOILET OINTMENTS, PREPARATIONS FOR THE TEETH AND HAIR, BATH SALTS, ETC. Class 6.

258,042. "IT'S IT" ENCLOSED BY RECTANGULAR DESIGN. Registered June 25, 1929. Alexander Bros. Company, Savannah, Ga., a corporation of Georgia. Renewed June 25, 1949. OVERALLS, WORK SHIRTS, JUMPERS (WORK COATS), AND DUNGAREES, THE LATTER BEING AN OVERALL WITHOUT THE APRON OR UPPER PART. Class 39.

258,293. CAROLINA BEAUTY. Registered July 2, 1929. Mount Olive Pickle Company, Inc., Mount Olive, N. C., a corporation of North Carolina. Renewed July 2, 1949. PICKLES. Class 46.

258,411. U-BAR BUMPER. Registered July 9, 1929. Edward Katzinger Company. Renewed July 9, 1949, to Ekco Products Company, Chicago, Ill., a corporation of Illinois. STRAPPING IRON. Class 13.

258,480. NECTAR. Registered July 9, 1929. The Great Atlantic and Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Renewed July 9, 1949. TEA. Class 46.

258,543. NEOLOY. Registered July 9, 1929. Edward Katzinger Company. Renewed July 9, 1949, to Ekco Products Company, Chicago, Ill., a corporation of Illinois. SHEET METAL, PLATED METAL, AND METAL ALLOYS. Class 14.

258,544. LUCKY STRIKE. Registered July 9, 1929. Durolith Paint & Varnish Co., Incorporated, Bristol, Pa. Renewed July 9, 1949, to Arthur C. Mangels Industries, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. READY-MIXED PAINT. Class 16.

258,747. "THE JOURNAL OF COMMERCE" ETC. Registered July 16, 1929. Journal of Commerce Corporation, New York, N. Y., a corporation of New York. Renewed July 16, 1949. NEWSPAPERS. Class 38.

259,085. "EIGHT O'CLOCK COFFEE" ETC. AND DESIGN LINED FOR RED AND GOLD. Registered July 23, 1929. The Great Atlantic and Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Renewed July 23, 1949. COFFEE. Class 46.

259,170. "NACO" AND DESIGN OF REPRESENTATION OF DIAMOND SHAPE INCLOSURE. Registered July 23, 1929. Nitrate Agencies Company. Renewed July 23, 1949, to Naco Fertiliser Company, New York, N. Y., a corporation of West Virginia. FERTILIZERS AND FERTILIZER MATERIALS. Class 10.

259,438. QUEEN ISABELLA. Registered July 30, 1929. Leverton and Company, Houston, Tex., a corporation of Texas. Renewed July 30, 1949. OLIVES AND MARASCHINO-TYPE CHERRIES. Class 46.

260,039. DESIGN OF REPRESENTATION OF RIDER ON HORSE. Registered Aug. 13, 1929. Padgitt Bros. Company, Dallas, Tex., a corporation of Texas. Renewed Aug. 13, 1949. HARNESS AND SADDLERY, TEAM COLLARS, BACKBANDS, HAME STRAPS, TEAM BRIDLES, RIDING BRIDLES, ETC. Class 3.

TRADE-MARK REGISTRATIONS CANCELED

309,188. COLUMBIA. Registered Jan. 2, 1934. The Pharis Tire and Rubber Company, Newark, Ohio. PNEUMATIC RUBBER TIRES FOR VEHICLES. Class 35. Canceled Apr. 15, 1949.

317,044. "KENNER TAYLOR" AND PORTRAIT. Registered Sept. 11, 1934. The K. Taylor Distilling Co. Inc., Frankfort, Ky. WHISKEY. Class 49. Canceled Apr. 13, 1949.

324,000. TARZAN. Registered May 7, 1935. Edgar Rice Burroughs, Inc., Tarzan, Calif. FABRICS IN THE PIECE—NAMELY, OF WOOL, COTTON, ETC. Class 42. Canceled Apr. 15, 1949.

324,338. "GADABOUT" AND DESIGN. Registered May 14, 1935. The Frank H. Lee Company, Danbury, Conn. MEN'S AND WOMEN'S FELT HATS. Class 39. Canceled Apr. 15, 1949.

324,469. "GOLDEN BANTAM" AND DESIGN. Registered May 21, 1935. The K. Taylor Distilling Co. Inc., Frankfort, Ky. WHISKEY. Class 49. Canceled Apr. 13, 1949.

328,983. "OLD JOHN" AND DESIGN. Registered Oct. 15, 1935. The K. Taylor Distilling Co. Inc., Frankfort, Ky. WHISKEY. Class 49. Canceled Apr. 13, 1949.

335,509. TAYLOR MADE WHISKIES. Registered June 2, 1936. The K. Taylor Distilling Company, Inc., Frankfort, Ky. WHISKEY, GIN, RUM, ETC. Class 49. Canceled Apr. 13, 1949.

347,964. BUTTA CRUNCH. Registered July 13, 1937. Williamson Candy Company, Chicago, Ill. SANDWICH FILLER COMPOSED OF PEANUT BUTTER AND WHOLE CHOPPED ROASTED PEANUTS. Class 46. Canceled Apr. 15, 1949.

362,887. BODIFORM. Registered Dec. 6, 1938. Artility Metal Products, Inc., Elkhart, Ind. OFFICE, HOUSEHOLD, AND FACTORY CHAIRS. Class 32. Canceled Apr. 15, 1949.

368,401. "K T" AND DESIGN. Registered June 20, 1939. The K. Taylor Distilling Co., Inc., Frankfort, Ky. WHISKEY. Class 49. Canceled Apr. 13, 1949.

368,402. "K. TAYLOR" AND DESIGN. Registered June 20, 1939. The K. Taylor Distilling Co., Inc., Frankfort, Ky. WHISKEY. Class 49. Canceled Apr. 13, 1949.

369,966. GRAYBAR. Registered Aug. 8, 1939. General Shoe Corporation, Nashville, Tenn. BOOTS, SHOES, AND SLIPPERS OF LEATHER, ETC. Class 39. Canceled Apr. 14, 1949.

374,052. "K. TAYLOR" AND DESIGN. Registered Dec. 26, 1939. The K. Taylor Distilling Co., Inc., Frankfort, Ky. WHISKEY. Class 49. Canceled Apr. 13, 1949.

375,332. KAY TEE. Registered Feb. 13, 1940. The K. Taylor Distilling Co., Incorporated, Frankfort, Ky. WHISKEY. Class 49. Canceled Apr. 13, 1949.

387,472. "PEANUT CRUNCH" AND DESIGN. Registered May 20, 1941. Jewett & Sherman Company, Milwaukee, Wis. PEANUT BUTTER. Class 46. Canceled Apr. 15, 1949.

388,506. COLUMBIA. Registered June 24, 1941. The Pharis Tire and Rubber Company, Newark, Ohio. PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS. Class 35. Canceled Apr. 15, 1949.

410,298. JUNIOR GUILD. Registered Nov. 21, 1944. Page & Dixon Drug Co., Inc., Chicago, Ill. COLD CREAM, LIPSTICK, COLOGNE, ROUGE, ETC. Class 6. Canceled Apr. 15, 1949.

419,788. AMERICAN HOST. Registered Mar. 5, 1946. Bartolomeo Pio, Philadelphia, Pa. WINES. Class 47. Canceled Apr. 15, 1949.

436,020. REPRESENTATION OF TORCH AND DESIGN. Registered Jan. 20, 1948. The American Oil Company, Baltimore, Md. AUTOMOBILE POLISH, FURNITURE POLISH, ETC. Class 16. Canceled Mar. 30, 1949.

436,038. "AMOCO" AND DESIGN. Registered Jan. 20, 1948. The American Oil Company, Baltimore, Md. AUTOMOBILE POLISH, FURNITURE POLISH, ETC. Class 16. Canceled Mar. 30, 1949.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 231,410. Registered Aug. 16, 1927. THE WAYSIDE GARDENS CO. INC., Mentor, Ohio, a corporation of Ohio. Republished by registrant.



FOR HARDY PLANTS, LILIES, IMPORTED AND NATIVE GARDEN BULBS, SHRUBS, TREES, ROSES, AND SEEDS.
Claims use since March 1924.

Reg. No. 237,548. Registered Jan. 10, 1928. HORACE E. CONKLIN, doing business as E. W. Conklin & Son, Binghamton, N. Y. Republished by The Philadelphia Seed Company, Philadelphia, Pa., a corporation of Pennsylvania.

PILOT

FOR GRASS, FIELD, AND AGRICULTURAL SEEDS, AND SEED GRAINS.
Claims use since Mar. 30, 1916.

Reg. No. 248,243. Registered Oct. 16, 1928. GEORGE C. BROWN & COMPANY, Memphis, Tenn. Republished by George C. Brown & Company, Greensboro, N. C., a partnership.



FOR KENNEL BEDDING AND SAWDUST.
Claims use since about Apr. 1, 1926.

Reg. No. 260,455. Registered Aug. 27, 1929. SOBECO TANNERIES, INC., Norcross, Ga., a corporation of Georgia. Republished by registrant.

SOBECO

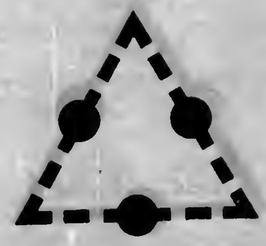
FOR LEATHER.
Claims use since Nov. 5, 1928.

Reg. No. 262,462. Registered Oct. 15, 1929. THE BERWIND-WHITE COAL MINING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

EUREKA

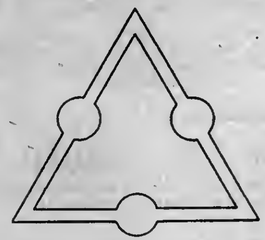
FOR BITUMINOUS COAL.
Claims use since 1886.

Reg. No. 267,927. Registered Mar. 4, 1930. THE NEWPORT COMPANY, Carrollville, Wis. Republished by Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware.



FOR ROSIN.
Claims use since August 1924.

Reg. No. 267,926. Registered Mar. 4, 1930. THE NEWPORT COMPANY, Carrollville, Wis. Republished by Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware.



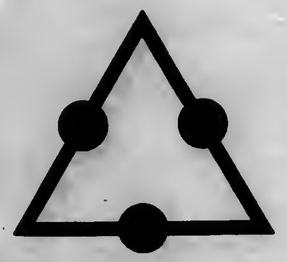
FOR ROSIN.
Claims use since September 1916.

Reg. No. 289,755. Registered Apr. 15, 1930. LLOYD E. HOLSINGER, doing business as Del-Mar-Va Hatcheries, Denton, Md. Republished by L. B. MacDowell, Salisbury, Md.



The representation of the chicks and the word "Hatchery" are disclaimed apart from the mark as shown.
FOR EGGS FOR HATCHING AND FOOD PURPOSES AND BABY CHICKS AND LIVE POULTRY.
Claims use since June 16, 1928.

Reg. No. 285,066. Registered July 14, 1931. THE NEWPORT COMPANY, Carrollville, Wis. Republished by Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware.



FOR ROSIN.
Claims use since September 1916.

Reg. No. 326,905. Registered Aug. 13, 1935. UNION COAL CO., INC., Rochester, N. Y. Republished by Fire-King Fuel Corporation, Rochester, N. Y., a corporation of New York.



The word "Coke" is disclaimed apart from the mark as shown.
FOR COKE.
Claims use since Mar. 13, 1935.

Reg. No. 358,571. Registered July 19, 1938. UNION COAL CO., INC., Rochester, N. Y. Republished by Fire-King Fuel Corporation, Rochester, N. Y., a corporation of New York.



The word "Anthracite" is disclaimed apart from the mark as shown.
FOR COAL.
Claims use since Feb. 1, 1935.

Reg. No. 412,853. Registered Mar. 27, 1945. SAWYER TANNING COMPANY, Napa, Calif., a corporation of Delaware. Republished by registrant.



FOR LEATHER.
Claims use since Oct. 10, 1940.

Reg. No. 413,312. Registered Apr. 17, 1945. SAWYER TANNING COMPANY, Napa, Calif., a corporation of Delaware. Republished by registrant.



The word "Sides" is disclaimed apart from the mark as shown.
FOR LEATHER.
Claims use since Oct. 10, 1940.

Reg. No. 413,313. Registered Apr. 17, 1945. SAWYER TANNING COMPANY, Napa, Calif., a corporation of Delaware. Republished by registrant.



FOR LEATHER.
Claims use since Jan. 9, 1934.

Reg. No. 434,010. Registered Nov. 4, 1947. LIMESTONE PRODUCTS CORPORATION OF AMERICA, Newton, N. J., a corporation of New Jersey. Republished by registrant.

100

FOR PULVERIZED LIMESTONE FOR USE AS AN INDUSTRIAL FILLER.
Claims use since July 31, 1945.

Reg. No. 434,011. Registered Nov. 4, 1947. LIMESTONE PRODUCTS CORP. OF AMERICA, Newton, N. J., a corporation of New Jersey. Republished by registrant.

650

FOR GROUND OR PULVERIZED LIMESTONE IN THE FORM OF CALCITE SAND.
Claims use since Aug. 14, 1946.

Reg. No. 434,012. Registered Nov. 4, 1947. LIMESTONE PRODUCTS CORP. OF AMERICA, Newton, N. J., a corporation of New Jersey. Republished by registrant.

MICO

FOR GROUND OR PULVERIZED LIMESTONE FOR ANIMAL AND POULTRY FEED INGREDIENT.
Claims use since July 31, 1945.

Reg. No. 434,013. Registered Nov. 4, 1947. LIMESTONE PRODUCTS CORP. OF AMERICA, Newton, N. J., a corporation of New Jersey. Republished by registrant.

MIC-8009

FOR GROUND OR PULVERIZED LIMESTONE FOR ANIMAL AND POULTRY FEED INGREDIENT.
Claims use since July 31, 1945.

CLASS 2

RECEPTACLES

Reg. No. 246,697. Registered Sept. 11, 1928. FRED I. JADEN, doing business as F. Jaden Manufacturing Co., Hastings, Nebr. Republished by Dutton-Lainson Company, Hastings, Nebr., a corporation of Nebraska.

GOLDEN ROD

FOR OIL CANS.
Claims use since about February 1925.

Reg. No. 309,344. Registered Jan. 9, 1934. KIECKHEFER CONTAINER COMPANY, Milwaukee, Wis. Republished by Kieckhefer Container Company, Camden, N. J., a corporation of Delaware.

FIBEROCK

FOR PAPERBOARD SHIPPING BASKETS.
Claims use since July 3, 1933.

Reg. No. 317,873. Registered Oct. 9, 1934. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

BEN HUR

FOR RECEPTACLES—NAMELY, METAL AND WOODEN BUCKETS, METAL SHIPPING TUBS, WOOD KEGS, INSULATED JUGS, VACUUM BOTTLES, PAILS, MILK CANS, LARD CANS, GARBAGE PAILS, ASH CANS, HAND OILERS, OIL AND GASOLINE CANS, SPRINKLING CANS, GALVANIZED BASKETS, COAL HODS, AND FUEL OIL TANKS.
Claims use since on or about June 1, 1933.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 249,586. Registered Nov. 20, 1928. AMORSKIN CORPORATION, New York, N. Y. Republished by Perry N. Zang, Freeport, N. Y.

AMOR SKIN

The word "Skin" is disclaimed apart from the mark as shown.
FOR SOAPS.
Claims use since June 1927.

Reg. No. 284,755. Registered July 7, 1931. GORDON-ALLEN LTD., Oakland, Calif. Republished by Par Soap Company, Oakland, Calif., a corporation of Nevada.

PAR

FOR GRANULATED LAUNDRY SOAP.
Claims use since Sept. 10, 1930.

Reg. No. 335,649. Registered June 9, 1936. LANDON P. SMITH, INC., Irvington, N. J. Republished by Red Devil Tools, Irvington, N. J., a corporation of New Jersey.

"Red Devil"

FOR ABRASIVE MATERIALS IN SHEET FORM.
Claims use since May 1, 1935.

Reg. No. 365,345. Registered Mar. 7, 1939. SOCIETE D'ELECTROCHIMIE, D'ELECTROMETALLURGIE ET DES ACIERIES ELECTRIQUES D'UGINE, Paris, France, a corporation organized under the laws of the Republic of France. Republished by registrant.

CRISTALBA

FOR ALUMINOUS ABRASIVES.
Claims use since Apr. 13, 1933.

Reg. No. 419,594. Registered Feb. 26, 1946. THE H. D. LEE COMPANY, INCORPORATED, Kansas City, Mo., a corporation of Kansas. Republished by registrant.

SAN-I-CIDE

FOR CLEANSER AND DETERGENT HAVING INCIDENTAL DISINFECTANT PROPERTIES USED FOR CLEANING BAR GLASS WARE AND DISHES AND DEODORIZING THE SAME.
Claims use since Oct. 27, 1942.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 41,630. Registered Dec. 8, 1903. HAARMANN-DE LAIRE-SCHAEFER CO., Maywood, N. J. Republished by Maywood Chemical Works, Maywood, N. J., a corporation of New Jersey.

VANILLODINE

FOR PERFUMERY AND FLAVORING PRODUCTS.
Claims use since April 1903.

Reg. No. 41,631. Registered Dec. 8, 1903. HAARMANN-DE LAIRE-SCHAEFER CO., Maywood, N. J. Republished by Maywood Chemical Works, Maywood, N. J., a corporation of New Jersey.

IRALDE INE

FOR PERFUMERY.
Claims use since January 1902.

Reg. No. 54,100. Registered June 19, 1906. DAVIS AND LAWRENCE CO., New York, N. Y. Republished by Davis & Lawrence Company, Dobbs Ferry, N. Y., a corporation of New York.

PAINKILLER

FOR MEDICINAL PREPARATION FOR EXTERNAL AND INTERNAL USE AND INTENDED FOR THE ALLEVIATION OF PAIN.
Claims use since 1839.

Reg. No. 70,592. Registered Sept. 15, 1908. ALFRED H. SMITH CO., New York, N. Y. Republished by Kerkoff, Inc., East Orange, N. J., a corporation of New Jersey.

D'ERKISS

FOR PERFUMES.
Claims use since Nov. 1, 1903.

Reg. No. 70,593. Registered Sept. 15, 1908. ALFRED H. SMITH CO., New York, N. Y. Republished by Kerkoff, Inc., East Orange, N. J., a corporation of New Jersey.

KERKOFF

FOR PERFUMES.
Claims use since Nov. 1, 1903.

Reg. No. 184,091. Registered May 20, 1924. COTY, INC., Wilmington, Del., and New York, N. Y. Republished by Coty, Inc. (1939), Wilmington, Del., and New York, N. Y., a corporation of Delaware.

L'ORIGAN

FOR PERFUME, TOILET WATER, FACE POWDER, COMPACT POWDER, SACHET POWDER, TALCUM POWDER, BRILLIANTINE, EAU DE COLOGNE, LOTION FOR THE HAIR, AND LIP STICK ROUGE.
Claims use since 1909.

Reg. No. 192,100. Registered Nov. 25, 1924. AKTIESELSKABET DE DANSKE SPRITVAERKER, Copenhagen, Denmark, a corporation of Denmark. Republished by registrant.

FOR YEAST FOR MEDICAL AND CHEMICAL USES.
Claims use since 1885.

Reg. No. 226,073. Registered Mar. 29, 1927. BUFFALO SPECIALTY COMPANY, Buffalo, N. Y. Republished by Liquid Veneer Corporation, Buffalo, N. Y., a corporation of New York.

RAT NIP

FOR ANIMAL AND INSECT POISON.
Claims use since Sept. 14, 1907.

Reg. No. 244,124. Registered July 10, 1928. MCCORMICK & CO., INCORPORATED, Baltimore, Md., a corporation of Maryland. Republished by registrant.

RED ARROW INSECT

The drawing is lined for the color red. No claim is made to the word "Insect" apart from the mark as shown.
FOR INSECTICIDE.
Claims use since about Jan. 15, 1928.

Reg. No. 246,132. Registered Sept. 4, 1928. MORRIS NOVECK, doing business as Dermatox Chemical Co., New Britain, Conn.

DERMATOX

FOR SKIN LOTION AND AN ANTISEPTIC TOILET CREAM FOR THE TREATMENT OF DISEASES AND AFFECTIONS OF THE SKIN, INCLUDING ECZEMA AND SUNBURN.
Claims use since Feb. 6, 1928.

Reg. No. 249,263. Registered Nov. 13, 1928. W. & H. WALKER, INC., doing business as Health Laboratories, Pittsburgh, Pa. Republished by Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware.

ACIDINE

FOR MEDICINES FOR TREATING ACIDOSIS, INDIGESTION, CONSTIPATION, EXCESS OF ACIDS IN THE STOMACH, BLOOD, AND URINE, AND AILMENTS OF THE DIGESTIVE TRACT AND LIKE DISORDERS.
Claims use since May 25, 1928.

Reg. No. 249,775. Registered Nov. 20, 1928. AMORSKIN CORPORATION, New York, N. Y. Republished by Perry N. Zang, Freeport, N. Y.

AMOR SKIN

The word "Skin" is disclaimed apart from the mark as shown.
FOR FACE CREAM.
Claims use since May 1927.

Reg. No. 274,678. Registered Sept. 2, 1930. THE BARKER, MOORE & MEIN CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



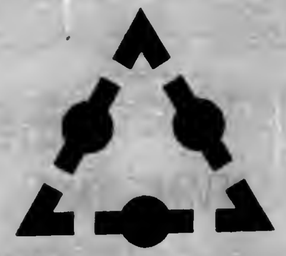
No claim is made to the representation of a bag apart from the mark as shown.
FOR MINERAL APPETIZER AND CONDITION POWDERS FOR POULTRY, COWS, AND HOGS.
Claims use since on or about Mar. 7, 1930.

Reg. No. 294,353. Registered May 24, 1932. LIQUID VENEER CORPORATION, Buffalo, N. Y., a corporation of New York. Republished by registrant.

GO-DEVIL

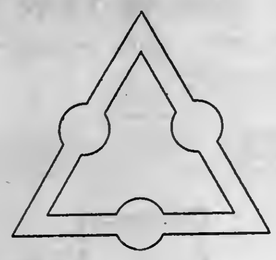
FOR INSECTICIDE IN LIQUID FORM.
Claims use since Aug. 1, 1931.

Reg. No. 296,992. Registered Aug. 30, 1932. THE NEWPORT COMPANY, Carrollville, Wis. Republished by Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware.



FOR PINE OIL.
Claims use since August 1924.

Reg. No. 296,994. Registered Aug. 30, 1932. THE NEWPORT COMPANY, Carrollville, Wis. Republished by Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware.



FOR PINE OIL.
Claims use since September 1916.

Reg. No. 317,211. Registered Sept. 18, 1934. THE DODDS MEDICINE COMPANY LIMITED, Toronto, Ontario, Canada, a corporation of Province of Ontario, Canada. Republished by registrant.



The word "Pills" is disclaimed apart rom the mark as shown.
FOR MEDICINAL PILLS FOR KIDNEY AILMENTS.
Claims use since May 1, 1906.

Reg. No. 333,448. Registered Mar. 24, 1936. E. DALTROFF & CIE, doing business as Parfumerie Caron, Paris, France. Republished by Caron Corporation, New York, N. Y., a corporation of New York.

MADEMOISELLE PEAU FRAÎCHE

FOR FACE AND TOILET POWDERS.
Claims use since June 18, 1935.

Reg. No. 365,361. Registered Mar. 7, 1939. CHARLES OF THE RITZ, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

REVENESCENCE

FOR TOILET CREAMS.
Claims use since Aug. 15, 1938.

Reg. No. 368,194. Registered Apr. 4, 1939. PAUL WESTPHAL, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.



The outline of the label is disclaimed. The drawing is lined for the colors red and green.
FOR HAIR TONIC, HAIR DRESSING, AND LIQUID DANDRUFF REMOVER PREPARATION.
Claims use since July 1, 1938.

Reg. No. 366,813. Registered May 2, 1939. PAUL WESTPHAL, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.



The drawing is lined to show green color. The words "The Original Foaming Hair Tonic" and "Since 1881" are disclaimed apart from the mark as shown. The representation of the label is also disclaimed apart from the mark as shown.
FOR HAIR TONIC, HAIR DRESSING, AND DANDRUFF PREPARATION.
Claims use since July 1, 1938.

Reg. No. 380,343. Registered Aug. 20, 1940. SUPERCURLINE CORP., New York, N. Y., a corporation of New York. Republished by registrant.

KRISTOL

FOR HAIR WAVING CREAM.
Claims use since Dec. 6, 1939.

Reg. No. 386,722. Registered Apr. 22, 1941. THE CHICAGO DIETETIC SUPPLY HOUSE, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

CELLU

FOR CANNED FRUITS AND VEGETABLES; CANNED APPLE SAUCE; CANNED FRUITS FOR SALAD; CANNED FRUIT COCKTAIL; CANNED FRUIT AND VEGETABLE JUICES; CANNED BERRIES; BAKING POWDER, AGAR AGAR USED AS A FOOD INGREDIENT; INDIA GUM USED AS A FOOD INGREDIENT; COCOA; SOY BEAN SANDWICH SPREAD; MAYONNAISE AND FRENCH SALAD DRESSINGS; SOY BEAN OIL; OLIVE OIL, MINERAL OIL USED AS A FOOD INGREDIENT; CHILI SAUCE; PICKLES; PICKLED PEACHES; VEGETABLE RELISH; BOUILLON CUBES; CANNED SOY BEANS IN TOMATO SAUCE; DRIED SOY BEANS; CANNED SOUPS; SACCHARIN USED AS A FOOD INGREDIENT; FOOD FLAVORING EXTRACTS; SUGARLESS SWEETENER; ROASTED SOY BEANS; AGAR JELLY; GELATIN; GUM DROPS; LOLLY POPS; CANDY BARS; CHEWING GUM; ICE CREAM POWDER; RENNET POWDER; PUDDING POWDER; SOY BEAN GRITS; SOY BEAN FLAKES; BREAKFAST CRISP CONTAINING WASHED BRAN, PLANT CELLULOSE, MINERAL OIL, INDIA GUM, SALT, SODA BICARBONATE, BAKING POWDER, AND SWEETENED WITH SACCHARIN; POPPED SOY BEAN BREAKFAST FOODS; SOY BEAN WAFERS; SOY OAT COOKIES; ALMOND MACAROONS; SOY BEAN FLOUR; CASEIN FLOUR; MUFFIN FLOUR; SPECIALLY PREPARED FLOUR CONTAINING PULVERIZED WASHED BRAN, STARCH, VEGETABLE FAT, LEAVENING AGENT, SALT, AND INDIA GUM; AND BRAN FLOUR.
Claims use since Apr. 1, 1919.

Reg. No. 396,697. Registered July 28, 1942. ERIC R. OLSON AND TOM C. HAWKINS, Crafton, Pa., a firm. Republished by registrant.



FOR MEDICINAL PREPARATION FOR TREATING CUTS, SCRATCHES, LACERATIONS, STRAIGHT CASTRATIONS, DEHORNING, ETC., IN LIVE STOCK.
Claims use since November 1941.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 436,519. Registered Apr. 27, 1943. MERSHON CO., INC., Glendale, Calif., a corporation of California. Republished by registrant.



The representation of the goods is disclaimed.
FOR GUN RECOIL PADS, GUN BUTT EXTENSION SPACERS, AND GUN BUTT PLATES.
Claims use since February 1937.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 69,312. Registered June 2, 1908. WOLVERINE BRASS WORKS, Grand Rapids, Mich., a corporation of Michigan. Republished by registrant.

WOLVERINE

FOR STANDARD AND CONVERTIBLE TRAPS, ADJUSTABLE AND UNIVERSAL TRAPS; DEEP SEAL AND CENTRIFUGAL TRAPS; COMBINED WASTE AND OVERFLOW TRAPS; BATH AND BASIN COCKS, BASIN CONNECTIONS AND COUPLINGS; WASTE AND VENT CONNECTIONS, TRAP BUSHINGS; SLIP JOINT TEES; BRASS FITTINGS AND COUPLINGS; BRASS PLUGS AND COLLARS; ELBOWS AND BENDS; TRAP SCREWS AND COVERS; REDUCING TEES; COMBINED ELBOWS AND TEES; JOINT UNIONS AND COUPLINGS; REDUCING COUPLINGS, FLOOR FLANGES, AND VALVE PARTS, ALL OF THE ABOVE GOODS BEING NICKEL PLATED.
Claims use since Jan. 1, 1900.

Reg. No. 324,689. Registered May 26, 1936. CONMAR PRODUCTS CORPORATION, New York, N. Y. Republished by Conmar Products Corporation, Newark, N. J., a corporation of New Jersey.

CONMAR

FOR SLIDE FASTENERS.
Claims use since Nov. 30, 1934.

Reg. No. 374,106. Registered Jan. 2, 1940. CONMAR PRODUCTS CORPORATION, Bayonne, N. J., a corporation of New Jersey. Republished by registrant, present address Newark, N. J.



The drawing is lined for red but the mark is not restricted to any particular color and the representation of the goods and the color shown are disclaimed apart from the mark.

FOR SLIDE FASTENERS.
Claims use since Feb. 15, 1939.

Reg. No. 375,306. Registered Feb. 13, 1940. CONMAR PRODUCTS CORPORATION, Bayonne, N. J., a corporation of New Jersey. Republished by registrant, present address Newark, N. J.

THE "MAJOR"

FOR SLIDE FASTENERS.
Claims use since Aug. 28, 1939.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 65,447. Registered Sept. 24, 1907. THE LOWE BROTHERS COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

High Standard

FOR LIQUID AND PASTE PAINTS, COLORS IN OIL, COLORS IN JAPAN, AND DRY COLORS.
Claims use since 1883.

Reg. No. 217,279. Registered Aug. 31, 1926. REEVES & SONS, LTD., Dalston, London, England, a corporation organized under the laws of Great Britain. Republished by registrant.



FOR ARTISTS' COLORS.
Claims use since Apr. 11, 1786.

Reg. No. 217,290. Registered Aug. 31, 1926. REEVES & SONS, LTD., Dalston, London, England, a corporation organized under the laws of Great Britain. Republished by registrant.

GREYHOUND

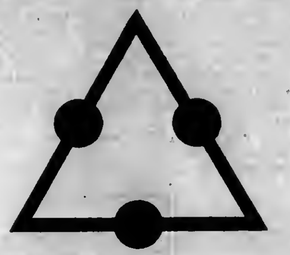
FOR MEDIUMS, SIZE, AND VARNISH FOR ARTISTS' USE.
Claims use since Mar. 15, 1911.

Reg. No. 295,055. Registered June 14, 1932. GENERAL NAVAL STORES COMPANY, INC., New York, N. Y. Republished by Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware.

GLO

FOR GLOSS OILS, USED IN THE MANUFACTURE OF PAINTS AND VARNISHES.
Claims use since June 25, 1930.

Reg. No. 295,791. Registered July 12, 1932. THE NEWPORT COMPANY, Carrollville, Wis. Republished by Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware.



FOR TURPENTINE.
Claims use since September 1916.

Reg. No. 356,886. Registered May 17, 1938. LIQUID VENEER CORPORATION, Buffalo, N. Y., a corporation of New York. Republished by registrant.

VENEER-O-LAC

The syllable "Lac" is disclaimed apart from the mark as shown.

FOR LUSTROUS TRANSPARENT COATING, SUCH AS LACQUER, VARNISH, OR IN THE NATURE OF THE SAME, ADAPTED FOR USE ON FLOORS, LINOLEUM, METAL OR WOOD FURNITURE, PAINTED OR LACQUERED SURFACES, AUTOMOBILES, AND AS A PROTECTIVE COATING FOR TILE, MARBLE, BRASS, AND BRONZE.
Claims use since Dec. 28, 1936.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 209,384. Registered Feb. 23, 1926. BIAGIO MIDULLA, doing business as B. Midulla Company, New York, N. Y. Republished by Marta Cigar Co., New York, N. Y., a firm.



FOR CIGARS.
Claims use since about Sept. 13, 1921.

Reg. No. 374,019. Registered Dec. 26, 1939. MARTA CIGAR CO., New York, N. Y., a partnership. Republished by registrant.



FOR CIGARS.
Claims use since Sept. 30, 1930.

Reg. No. 376,370. Registered Mar. 19, 1940. MARTA CIGAR CO., New York, N. Y., a partnership. Republished by registrant.

TAMPS

FOR CIGARS.
Claims use since June 26, 1939.

CLASS 19

VEHICLES

Reg. No. 170,547. Registered July 17, 1923. WALTER M. NUTTING, doing business as Nutting Truck Company, Faribault, Minn. Republished by Nutting Truck and Caster Company, Faribault, Minn., a corporation of Minnesota.

Nutting

FOR FLOOR TRUCKS.
Claims use since 1892.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 219,603. Registered Oct. 19, 1926. GEORGE J. HAGAN COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR INDUSTRIAL HEATING FURNACES.
Claims use since Aug. 6, 1920.

Reg. No. 358,256. Registered July 5, 1938. NORTH AMERICAN ELECTRIC LAMP COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

WICK-O-LITE

FOR ADAPTER DEVICES FOR SUBSTITUTION FOR THE BURNER ELEMENTS OF OIL LAMPS TO CONVERT THEM INTO ELECTRIC LAMPS.
Claims use since Oct. 30, 1937.

Reg. No. 437,997. Registered Apr. 6, 1948. NICKEL CADMIUM BATTERY CORPORATION, Easthampton, Mass., a corporation of Delaware. Republished by registrant.

ALCAD

FOR STORAGE BATTERIES.
Claims use since Dec. 19, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 407,683. Registered June 20, 1944. LINDON P. SMITH, INC., Irvington, N. J. Republished by Red Devil Tools, Irvington, N. J., a corporation of New Jersey.

Red Devil

FOR GOLF TEES.
Claims use since July 8, 1943.

Reg. No. 411,754. Registered Jan. 30, 1945. FRED ARBOGAST, Akron, Ohio. Republished by Fred Arbogast and Co., Inc., Akron, Ohio, a corporation of Ohio.

Hula Dancer

FOR ARTIFICIAL FISH BAIT.
Claims use since Aug. 1, 1944.

Reg. No. 414,660. Registered June 19, 1945. FRED ARBOGAST, Akron, Ohio. Republished by Fred Arbogast and Co., Inc., Akron, Ohio, a corporation of Ohio.

Hula Popper

FOR ARTIFICIAL FISH BAIT.
Claims use since Feb. 16, 1941.

Reg. No. 427,325. Registered Feb. 4, 1947. VERDELLE CLARK, Presque Isle, Maine. Republished by registrant.

"CHOCOLATE SOLDIER"

FOR ARTIFICIAL FISHING FLIES.
Claims use since June 1941.

Reg. No. 427,326. Registered Feb. 4, 1947. VERDELLE CLARK, Presque Isle, Maine. Republished by registrant.

"SPOT-EYED"

FOR ARTIFICIAL FISHING FLIES.
Claims use since June 1941.

Reg. No. 435,426. Registered Dec. 23, 1947. BAYSHORE INDUSTRIES, INC., Elkton, Md., a corporation of Maryland. Republished by registrant.

Steri-Clean

The word "Clean" is disclaimed apart from the mark as shown.
FOR TOY BALLOONS.
Claims use since Feb. 18, 1947.

Reg. No. 437,499. Registered Mar. 23, 1948. BAYSHORE INDUSTRIES, INC., Elkton, Md., a corporation of Maryland. Republished by registrant.

"CHAINCO"

FOR TOY BALLOONS AND WIND-OPERATED SOUND EMITTING TOYS SUCH AS BALLOON-OPERATED SQUAWKERS.
Claims use since Apr. 25, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 147,709. Registered Oct. 25, 1921. THE UNIVERSAL MILKING MACHINE COMPANY, Columbus, Ohio. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation organized under the District of Columbia Cooperative Association Act of July 19, 1940.

Universal

FOR MILKING-MACHINES, INCLUDING PARTS AND APPURTENANCES THEREOF, PULSATORS, TEAT-CUPS, RECEIVERS, AND PUMPS.
Claims use since about Sept. 1, 1918.

Reg. No. 176,469. Registered Nov. 27, 1923. FRED I. JADEN, doing business as F. Jaden Manufacturing Co., Hastings, Nebr. Republished by Dutton-Lainson Company, Hastings, Nebr., a corporation of Nebraska.

GOLDEN ROD

FOR TIRE PUMPS AND SLIP-ON CONNECTIONS FOR TIRE PUMPS.
Claims use since May 1, 1914.

Reg. No. 176,674. Registered Nov. 27, 1923. HUMPHREY ELEVATOR CO., Fairbault, Minn., a corporation of Minnesota. Republished by registrant.

Humphrey

FOR ELEVATORS.
Claims use since 1888.

Reg. No. 249,815. Registered Nov. 20, 1928. NICHOLSON FILE COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.



FOR FILES AND RASPS.
Claims use since Apr. 16, 1928.

Reg. No. 327,429. Registered Aug. 27, 1935. SMITH-JOHNSON CORPORATION, Los Angeles, Calif., a corporation of California. Republished by registrant.

SENACON

FOR LUBRICATION EQUIPMENT, PARTICULARLY GREASE GUNS.
Claims use since Feb. 14, 1935.

Reg. No. 437,427. Registered Mar. 23, 1948. DETROIT HARVESTER COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

DURA

FOR HYDRAULICALLY OPERATED VEHICLE WINDOW REGULATORS, HYDRAULICALLY OPERATED VEHICLE SEAT ADJUSTERS AND HYDRAULIC MECHANISMS FOR OPERATING CONVERTIBLE TOPS FOR VEHICLES.
Claims use since 1940.

Reg. No. 438,675. Registered May 11, 1948. SOUTHERN WELDING AND MACHINE COMPANY, Charlottesville, Va., a firm. Republished by registrant.



The lining on the drawing is for shading purposes only.
FOR EARTH SCRAPERS.
Claims use since Apr. 15, 1946.

Reg. No. 438,710. Registered May 11, 1948. CUTTING ROOM APPLIANCES CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

ELECTROMATIC

FOR CLOTH LAYING MACHINES AND PARTS THEREFOR, FOR USE IN THE GARMENT MAKING INDUSTRY.
Claims use since about July 20, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 199,106. Registered June 2, 1925. FOX FILM CORPORATION, New York, N. Y. Republished by Twentieth Century-Fox Film Corporation, New York, N. Y., a corporation of New York.



FOR MOVING-PICTURE FILMS.
Claims use since about Oct. 11, 1919.

Reg. No. 199,107. Registered June 2, 1925. FOX FILM CORPORATION, New York, N. Y. Republished by Twentieth Century-Fox Film Corporation, New York, N. Y., a corporation of New York.

FOX FILM

The word "Film" is disclaimed apart from the mark as shown.
FOR MOVING-PICTURE FILMS.
Claims use since about March 1915.

Reg. No. 289,013. Registered Feb. 21, 1928. FOX-CASE CORPORATION, New York, N. Y. Republished by Movietonews, Inc., New York, N. Y., a corporation of New York.

MOVIETONE

FOR MOTION PICTURES.
Claims use since about Oct. 20, 1926.

Reg. No. 251,585. Registered Jan. 8, 1929. FOX CASE CORPORATION, New York, N. Y. Republished by Movietonews, Inc., New York, N. Y., a corporation of New York.

FOX MOVIETONE

FOR MOTION PICTURES.
Claims use since about Oct. 20, 1926.

Reg. No. 261,605. Registered Jan. 8, 1929. FOX CASE CORPORATION, New York, N. Y. Republished by Movietonews, Inc., New York, N. Y., a corporation of New York.

MOVIETONEWS

FOR MOTION PICTURES IN WHICH PICTORIAL ILLUSTRATIONS ARE SYNCHRONIZED WITH REPRODUCTIONS OF SOUNDS.
Claims use since about July 14, 1928.

Reg. No. 288,807. Registered Nov. 8, 1931. FOX HEARST CORPORATION, New York, N. Y., now by change of name to Movietonews, Inc. Republished by Movietonews, Inc., New York, N. Y., a corporation of New York.

MAGIC CARPET OF MOVIETONE

FOR MOTION PICTURE FILMS.
Claims use since about Nov. 15, 1930.

Reg. No. 336,090. Registered June 23, 1936. TWENTIETH CENTURY-FOX FILM CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

Twentieth Century-Fox

Fox Film Corporation

FOR SILENT, SOUND, DIALOGUE, AND TALKING MOTION PICTURE FILMS.
Claims use since Jan. 13, 1936.

Reg. No. 337,897. Registered Aug. 25, 1936. TWENTIETH CENTURY-FOX FILM CORPORATION, Los Angeles, Calif., a corporation of New York. Republished by registrant, present address New York, N. Y.

VELOCILATOR

FOR MOTION PICTURE CAMERA CARRIAGES.
Claims use since Mar. 10, 1933.

Reg. No. 378,711. Registered June 18, 1940. HENRY L. SCOTT COMPANY, Providence, R. I. Republished by Scott Testers, Inc., Providence, R. I., a corporation of Rhode Island.

TENSILGRAM

FOR CHARTS FOR USE ON MACHINES FOR TESTING THE STRENGTH OR STRETCH OF MATERIAL.
Claims use since January 1933.

Reg. No. 382,796. Registered Nov. 12, 1940. MEASUREMENTS CORPORATION, Boonton, N. J., a corporation of New Jersey. Republished by registrant.

FOR RADIO FREQUENCY SIGNAL GENERATORS FOR MEASUREMENT PURPOSES, NOISE MEASURING METERS, FIELD STRENGTH METERS, RADIO BRIDGE MEASURING INSTRUMENTS, INDUCTANCE MEASURING METERS, REACTANCE MEASURING METERS, RESISTANCE STANDARDS, CAPACITY STANDARDS, RADIO AND VACUUM TUBE VOLTMETERS, AND RADIO ANALYZERS.
Claims use since on or about Apr. 17, 1940.

Reg. No. 392,137. Registered Dec. 9, 1941. THE MERCURY CORPORATION, Kansas City, Mo. Republished by The Mercury Battery Charger Company, Kansas City, Mo., a corporation of Missouri.

CUB

FOR COMBINATION BATTERY CHARGING AND TESTING APPARATUS.
Claims use since July 9, 1941.

Reg. No. 414,000. Registered May 22, 1945. TWENTIETH CENTURY-FOX FILM CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

SYMBOL OF SCREEN SUPREMACY

FOR SILENT, SOUND, DIALOGUE, AND TALKING MOTION PICTURE FILMS.
Claims use since Mar. 1, 1944.

Reg. No. 430,605. Registered June 17, 1947. TELEMATIC CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

FOR FLOAT CONTROLLED LIQUID LEVEL GAUGING APPARATUS AND PARTS THEREOF.
Claims use since Mar. 8, 1945.

Reg. No. 431,059. Registered July 1, 1947. FEDERAL MANUFACTURING & ENGINEERING CORP., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

FEDAR

FOR PHOTOGRAPHIC LENSES.
Claims use since on or about Jan. 1, 1939.

Reg. No. 431,267. Registered July 15, 1947. FEDERAL MANUFACTURING & ENGINEERING CORP., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

DECAR

FOR PHOTOGRAPHIC LENSES.
Claims use since on or about Jan. 1, 1939.

Reg. No. 438,442. Registered Apr. 20, 1948. FEDERAL MANUFACTURING & ENGINEERING CORP., Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address New York, N. Y.

FED-FLASH

The word "Flash" is disclaimed apart from the mark as shown.
FOR PHOTOGRAPHIC CAMERAS.
Claims use since Feb. 7, 1947.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 428,725. Registered Apr. 1, 1947. BATES & KLINKS, INC., Attleboro, Mass., a corporation of Rhode Island. Republished by registrant.

Little Sweetheart

FOR BABIES' BRACELETS, NOT INCLUDING WATCHES.
Claims use since Aug. 10, 1945.

Reg. No. 431,498. Registered July 22, 1947. BATES & KLINKS, INC., Attleboro, Mass., a corporation of Rhode Island. Republished by registrant.

Little Lady

FOR JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES.
Claims use since May 10, 1946.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Reg. No. 437,035. Registered Mar. 2, 1948. SIGMA NU FRATERNITY, Indianapolis, Ind., an unincorporated association. Republished by registrant.

ΣN

FOR CHINAWARE—NAMELY, TABLE CHINA.
Claims use since 1869.

Reg. No. 437,059. Registered Mar. 2, 1948. SIGMA NU FRATERNITY, Indianapolis, Ind., an unincorporated association. Republished by registrant.

FOR CHINAWARE—NAMELY, TABLE CHINA.
Claims use since 1915.

Reg. No. 437,060. Registered Mar. 2, 1948. SIGMA NU FRATERNITY, Indianapolis, Ind., an unincorporated association. Republished by registrant.

FOR CHINAWARE—NAMELY, TABLE CHINA.
Claims use since 1869.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 53,813. Registered June 12, 1906. SHEBOYGAN CHAIR COMPANY, Sheboygan, Wis. Republished by Sheboygan Chair Company, Inc., Sheboygan, Wis., a corporation of Delaware.



FOR CHAIRS.
Claims use since 1891.

Reg. No. 192,889. Registered Dec. 16, 1924. THE WELLSTON MANUFACTURING CO., Wellston, Ohio. Republished by The Frick-Gallagher Manufacturing Co., Wellston, Ohio, a corporation of Ohio.



FOR DISPLAY STANDS.
Claims use since Feb. 1, 1924.

Reg. No. 308,428. Registered Dec. 5, 1933. THE FRICK-GALLAGHER MANUFACTURING CO., Wellston, Ohio, a corporation of Ohio. Republished by registrant.

"ROTABIN"

FOR ROTARY MERCHANDISE DISPLAY STANDS.
Claims use since June 3, 1933.

Reg. No. 360,282. Registered Sept. 13, 1938. JAMESTOWN LOUNGE COMPANY, Jamestown, N. Y., a corporation of New York. Republished by registrant.



The words "Mark" and "Signed Piece" are disclaimed apart from the mark as shown.
FOR HOUSEHOLD FURNITURE, INCLUDING DINING-ROOM, BEDROOM, AND LIVING-ROOM—NAMELY, CHAIRS, TABLES, BENCHES, FOOTSTOOLS, CABINETS, CHESTS, BEDS, DRESSERS, SOFAS, AND DAVENPORTS BUILT TO ORDER.
Claims use since Mar. 4, 1938.

Reg. No. 360,283. Registered Sept. 13, 1938. JAMESTOWN LOUNGE COMPANY, Jamestown, N. Y., a corporation of New York. Republished by registrant.



The words "Beaver" and "Chairs" are disclaimed apart from the mark as shown.
FOR HOUSEHOLD FURNITURE—NAMELY, CHAIRS AND DAVENPORTS BUILT TO ORDER.
Claims use since Mar. 4, 1938.

Reg. No. 396,026. Registered June 23, 1942. SHEBOYGAN CHAIR COMPANY, Sheboygan, Wis. Republished by Sheboygan Chair Company, Inc., Sheboygan, Wis., a corporation of Delaware.



The representation of the high chair is disclaimed apart from the mark as shown.
FOR CHILDREN'S HIGH CHAIRS.
Claims use since Jan. 28, 1942.

Reg. No. 430,029. Registered June 3, 1947. WILTON C. DINORE, doing business as The Emeco Co., Baltimore, Md. Republished by Emeco Corporation, Hanover, Pa., a corporation of Maryland.

HOUR GLASS

FOR HOUSEHOLD CHAIRS, UTILITY TABLES, DINETTE TABLES, KITCHEN CABINETS, CHAISE LOUNGES, BENCHES, AND STOOLS.
Claims use since June 25, 1946.

Reg. No. 439,199. Registered June 8, 1948. PENN METAL CORPORATION OF PENNA., Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

1869 Penco

FOR STEEL LOCKERS, STEEL CABINETS, TOOL CABINETS, STEEL COUNTERS, STEEL TABLES, AND SHELVING INSERTS, BEING FORMATIONS WITH NUMEROUS COMPARTMENTS FOR STORAGE OF SMALL ARTICLES.
Claims use since 1927.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 52,105. Registered May 1, 1906. MCCRAY REFRIGERATOR COMPANY, Kendallville, Ind., a corporation of Indiana. Republished by registrant.

Mc CRAY

FOR REFRIGERATORS.
Claims use since about Jan. 1, 1890.

Reg. No. 368,987. Registered July 11, 1939. TRADE-WIND MOTORFANS, INC., Los Angeles, Calif., a corporation of California. Republished by registrant.

TRADE-WIND

FOR FANS AND BLOWERS FOR HEATING, VENTILATING, AND COOLING AND AIR CONDITIONING UNITS.
Claims use since May 22, 1933.

Reg. No. 372,735. Registered Nov. 14, 1939. TRADE-WIND MOTORFANS, INC., Los Angeles, Calif., a corporation of California. Republished by registrant.

CLIPPER

FOR FANS AND BLOWERS FOR VENTILATING AND COOLING, AND COMPLETE VENTILATING AND COOLING UNITS.
Claims use since Oct. 27, 1936.

Reg. No. 439,311. Registered June 15, 1948. QUAKER MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Quakertrol

FOR MECHANICALLY SYNCHRONIZED AIR AND OIL CONTROLS FOR OIL BURNING HEATING AND COOKING EQUIPMENT.
Claims use since Jan. 17, 1947.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 212,545. Registered May 4, 1926. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Republished by registrant.

SANITARY

FOR RUBBER HOSE.
Claims use since March 1922.

Reg. No. 439,072. Registered June 1, 1948. GRATON & KNIGHT COMPANY, Worcester, Mass., and elsewhere, a corporation of Massachusetts. Republished by registrant, present address Worcester, Mass.



The words "Special Firm" are disclaimed apart from the mark as shown.
FOR LEATHER BELTING.
Claims use since March 1937.

Reg. No. 439,078. Registered June 1, 1948. GRATON & KNIGHT COMPANY, Worcester, Mass., and elsewhere, a corporation of Massachusetts. Republished by registrant, present address Worcester, Mass.



The words "Special Flexible" are disclaimed apart from the mark as shown.
FOR LEATHER BELTING.
Claims use since March 1937.

CLASS 37

PAPER AND STATIONERY

Reg. No. 225,978. Registered Mar. 29, 1927. REEVES & SONS, LTD., London, England, a corporation organized under the laws of Great Britain. Republished by registrant.



FOR PENCILS, CHALK HOLDERS, RUBBER ERASERS, PASTELS, AND CRAYONS.
Claims use since Apr. 11, 1856.

Reg. No. 249,791. Registered Nov. 20, 1926. FRED RENTS PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Leader

FOR GREASEPROOF AND WATERPROOF WRAPPING PAPER.
Claims use since June 29, 1928.

Reg. No. 435,232. Registered Dec. 16, 1947. HAMPSHIRE PAPER COMPANY, INC., Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

CITADEL

FOR WRITING PAPER AND MAILING ENVELOPES.
Claims use since April 1924.

Reg. No. 435,233. Registered Dec. 16, 1947. HAMPSHIRE PAPER COMPANY, INC., Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

EIDERDOWN

FOR WRITING PAPER AND MAILING ENVELOPES.
Claims use since May 1938.

Reg. No. 439,085. Registered June 1, 1948. KIMBERLY-CLARK CORPORATION, Neenah, Wis., a corporation of Delaware. Republished by registrant.

Rotofect

FOR BOOK PAPER.
Claims use since Feb. 20, 1947.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 95,678. Registered Mar. 3, 1914. STAR COMPANY, New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

The Katzenjammer Kids!

FOR NEWSPAPER SECTION PUBLISHED PERIODICALLY.
Claims use since January 1900.

Reg. No. 105,616. Registered Aug. 10, 1915. STAR COMPANY, New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

JERRY ON THE JOB

FOR NEWSPAPER SECTION.
Claims use since Dec. 29, 1913.

Reg. No. 112,947. Registered Oct. 3, 1916. STAR COMPANY, New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

CHOLLY KNICKERBOCKER

FOR NEWSPAPER SECTION.
Claims use since 1906.

Reg. No. 234,109. Registered Oct. 18, 1927. THE WAYSIDE GARDENS CO. INC., Mentor, Ohio, a corporation of Ohio. Republished by registrant.

FOR BOOKLETS RELATING TO THE CULTURE OF FLOWERS AND SHRUBS.
Claims use since March 1924.

Reg. No. 268,108. Registered Mar. 11, 1930. FAWCETT PUBLICATIONS, INC., Robbinsdale, Minn., a corporation of Delaware. Republished by registrant, present address Greenwich, Conn.

Startling Detective Adventures

FOR MAGAZINES PUBLISHED EVERY MONTH.
Claims use since Oct. 1, 1929.

Reg. No. 329,624. Registered Nov. 5, 1935. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

HENRY

FOR CARTOONS.
Claims use since Dec. 17, 1934.

Reg. No. 339,106. Registered Sept. 22, 1936. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

KING COMICS

No claim is made to the blue color shown in the drawing.
FOR MONTHLY PUBLICATION.
Claims use since Mar. 7, 1936.

Reg. No. 352,607. Registered Dec. 7, 1937. MARISON & ROSENBERG CO., INC., New York, N. Y. Republished by Marison & Rosenberg Company, New York, N. Y., a firm.

fashion highlights

FOR PUBLICATION, A WEEKLY.
Claims use since May 26, 1934.

Reg. No. 356,672. Registered May 10, 1938. COUNTRY PRESS, INC., Greenwich, Conn. Republished by Fawcett Publications, Inc., Greenwich, Conn., a corporation of Delaware.

True POLICE CASES

FOR MAGAZINES PUBLISHED EVERY MONTH.
Claims use since Oct. 30, 1936.

Reg. No. 363,172. Registered Dec. 13, 1938. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

Colonel Potterby and the Duchess

FOR CARTOON AND COMIC STRIP.
Claims use since Apr. 28, 1935.

Reg. No. 366,426. Registered Apr. 11, 1939. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

Barney Google and Snuffy Smith

FOR CARTOON SERIES.
Claims use since Oct. 27, 1938.

Reg. No. 412,113. Registered Feb. 20, 1945. THE HEARST CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

MUGGS AND SKEETER

FOR CARTOONS OR COMIC STRIPS.
Claims use since Apr. 27, 1936.

Reg. No. 436,012. Registered Jan. 20, 1948. THE OMICRON DELTA KAPPA SOCIETY, Cincinnati, Ohio, a voluntary and unincorporated association. Republished by registrant.

THE CIRCLE

FOR NEWS MAGAZINE PUBLISHED QUARTERLY.
Claims use since Apr. 15, 1923.

CLASS 39

CLOTHING

Reg. No. 87,437. Registered July 16, 1912. ELIZABETH CITY HOSIERY CO., Elizabeth City, N. C. Republished by Robinson Manufacturing Company, Elizabeth City, N. C., a corporation of North Carolina.

CAROLINA MAID

FOR HOSIERY.
Claims use since Jan. 1, 1912.

Reg. No. 97,883. Registered June 23, 1914. THE PARSONS & BAKER COMPANY, Phoenixville, Pa., a corporation of Pennsylvania. Republished by registrant.

Criterion

FOR LADIES' KNIT UNDERWEAR.
Claims use since Mar. 13, 1914.

Reg. No. 119,354. Registered Nov. 13, 1917. NEUSTADTER BROS., San Francisco, Calif. Republished by Eloesser-Heynemann Company, San Francisco, Calif., a corporation of California.

BOSS OF THE ROAD

FOR COATS, BLOUSES, JUMPERS, JACKETS, APRONS, OVERALLS, TROUSERS, AND OUTER SHIRTS.
Claims use since 1880.

Reg. No. 121,469. Registered Apr. 30, 1918. MARSHALL FIELD & COMPANY, Chicago, Ill. Republished by Vesta Underwear Company, Pawtucket, R. I., a corporation of Rhode Island.

Athena

FOR KNITTED UNDERWEAR.
Claims use since about Jan. 1, 1908.

Reg. No. 121,832. Registered May 28, 1918. THE SHOECRAFT SHOP, INC., New York, N. Y. Republished by Shoecraft, Inc., New York, N. Y., a corporation of New York.

SHOE CRAFT

FOR LADIES' AND MISSES' LEATHER BOOTS AND SHOES.
Claims use since 1913.

Reg. No. 200,660. Registered July 7, 1925. ELOESSER-HEYNEMANN COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

FRISKO JEENS

The word "Jeens" is disclaimed apart from the mark as shown.
FOR OVERALLS.
Claims use since about Dec. 1, 1924.

Reg. No. 228,464. Registered May 31, 1927. WOOLF BROTHERS, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

Croyden

FOR MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, COATS, AND PANTS.
Claims use since Dec. 19, 1926.

Reg. No. 251,242. Registered Jan. 1, 1929. WALL-STREETER SHOE CO., North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

Foot Pals

FOR MEN'S, WOMEN'S, MISSES', AND CHILDREN'S SHOES OF LEATHER, LEATHER AND FABRIC, RUBBER, RUBBER AND FABRIC, AND COMBINATIONS OF ANY OF THESE.
Claims use since Feb. 20, 1928.

Reg. No. 285,105. Registered July 14, 1931. QUALITY FROCK COMPANY, Los Angeles, Calif. Republished by The Gottfried Company, Cleveland, Ohio, a corporation of Ohio.

Maurene Frocks HOLLYWOOD

The words "Frocks" and "Hollywood" are disclaimed apart from the mark as shown.
FOR DRESSES FOR WOMEN AND MISSES.
Claims use since on or about Sept. 15, 1930.

Reg. No. 301,195. Registered Feb. 21, 1933. B. ALTMAN & Co., New York, N. Y., a corporation of New York. Republished by registrant.

SNOWIES

FOR KNITTED WOOLEN SUITS FOR BOYS AND GIRLS COMPRISING GLOVES, CAPS, COATS, AND LEGGINGS.
Claims use since October 1931.

Reg. No. 308,316. Registered Nov. 28, 1933. ELIZABETH CITY HOSIERY CO., Elizabeth City, N. C. Republished by Robinson Manufacturing Company, Elizabeth City, N. C., a corporation of North Carolina.



FOR HOSIERY.
Claims use since July 1, 1911.

Reg. No. 327,232. Registered Aug. 20, 1935. BEROCK HOSIERY COMPANY, INCORPORATED, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

"Under-Pretties"

FOR LADIES' AND CHILDREN'S PANTIES, SLIPS, CHEMISES, AND PETTICOATS.
Claims use since Feb. 1, 1935.

Reg. No. 327,276. Registered Aug. 20, 1935. ELIZABETH CITY HOSIERY CO., Elizabeth City., N. C. Republished by Robinson Manufacturing Company, Elizabeth City, N. C., a corporation of North Carolina.

LADY NEE-HI

The word "Nee-Hi" is disclaimed apart from the mark as shown.
FOR HOSIERY.
Claims use since Feb. 16, 1935.

Reg. No. 334,409. Registered May 5, 1936. B. ALTMAN & Co., New York, N. Y., a corporation of New York. Republished by registrant.

Basic

FOR DRESSES FOR ADULTS.
Claims use since about Nov. 25, 1935.

Reg. No. 339,768. Registered Oct. 20, 1936. MARLBORO SHIRT COMPANY, INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

TUXEZE

FOR MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS.
Claims use since Dec. 1, 1935.

Reg. No. 356,065. Registered Apr. 12, 1938. MARISON & ROSENBERG CO., INC., New York, N. Y. Republished by Marison & Rosenberg Co., New York, N. Y., a firm.

Janet Norwood ORIGINAL

The word "Original" is disclaimed apart from the mark as shown.
FOR WOMEN'S READY-TO-WEAR APPAREL COMPRISING DRESSES, COATS, SUITS, FUR COATS, CAPES, SCARFS AND WRAPS, HATS, SHOES, AND GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, SLIPS, PANTIES, NIGHT GOWNS, BRASSIÈRES, PETTICOATS, NEGLIGEES, ROBES (FOR LOUNGING AND SLEEPING) HOSIERY, BLOUSES, SWEATERS, OUTER SKIRTS, SKI SUITS, LEATHER AND SUEDE JACKETS, SNOW SUITS AND RIDING HABITS, BREECHES AND JACKETS.
Claims use since Sept. 30, 1937.

Reg. No. 356,214. Registered Apr. 19, 1938. MARISON & ROSENBERG CO., INC., New York, N. Y. Republished by Marison & Rosenberg Co., New York, N. Y., a firm.

Janet Norwood ORIGINAL

The word "Original" is disclaimed apart from the mark as shown.
FOR LADIES' HANDBAGS.
Claims use since Sept. 30, 1937.

Reg. No. 371,522. Registered Sept. 26, 1939. B. ALTMAN & Co., New York, N. Y., a corporation of New York. Republished by registrant.

Suburbanette

FOR HOSIERY.
Claims use since Mar. 31, 1939.

Reg. No. 373,336. Registered Dec. 5, 1939. GREENSBORO OVERALL COMPANY, Greensboro, N. C., a corporation of North Carolina. Republished by registrant.

BIG RED

FOR OVERALLS, WORK SHIRTS, AND WORK PANTS FOR MEN AND CHILDREN.
Claims use since June 14, 1939.

Reg. No. 381,997. Registered Oct. 15, 1940. GREENSBORO OVERALL COMPANY, Greensboro, N. C., a corporation of North Carolina. Republished by registrant.

BLUE GEM

FOR OVERALLS, WORK SHIRTS, AND WORK PANTS FOR MEN AND CHILDREN.
Claims use since Apr. 18, 1940.

Reg. No. 385,662. Registered Mar. 11, 1941. BEROCK HOSIERY COMPANY, INCORPORATED, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

"Bosom Friend"

FOR LADIES' BRASSIÈRES.
Claims use since May 29, 1940.

Reg. No. 400,675. Registered Mar. 23, 1943. PETER PAN FOUNDATIONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

See-Saw

FOR BRASSIÈRE.
Claims use since Oct. 26, 1942.

Reg. No. 410,096. Registered Nov. 7, 1944. SOL FRIEDMAN & SONS, New York, N. Y., a firm. Republished by registrant.

Formula

FOR LADIES' SLIPS.
Claims use since Jan. 8, 1942.

Reg. No. 413,972. Registered May 22, 1945. GREENSBORO OVERALL COMPANY, Greensboro, N. C., a corporation of North Carolina. Republished by registrant.

DRESSY DAN

FOR MEN'S AND BOYS' OVERALLS, WORK COATS, DUNGAREES, AND WORK PANTS.
Claims use since Dec. 30, 1943.

Reg. No. 417,181. Registered Oct. 16, 1945. PETER PAN FOUNDATIONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

The Foundation of a Nation

The word "Foundation" is disclaimed apart from the mark as shown.
FOR GIRDLES AND BRASSIÈRES.
Claims use since Mar. 15, 1945.

Reg. No. 418,977. Registered Jan. 15, 1946. PETER PAN FOUNDATIONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Carousel

FOR BRASSIÈRE.
Claims use since June 20, 1945.

Reg. No. 423,989. Registered Sept. 17, 1946. MAYWOOD HOSIERY MILLS, INC., Cordele, Ga. Republished by Will de Laine Hosiery Mills, Inc., Charlotte, N. C., a corporation of North Carolina.

Will de Laine

FOR HOSIERY.
Claims use since Nov. 22, 1945.

Reg. No. 439,024. Registered June 1, 1948. WEINBERG CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Sands of the Desert

FOR MEN'S SUITS, COATS, VESTS, TROUSERS, AND OUTER COATS, MADE OF TEXTILE FABRICS.
Claims use since Aug. 14, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 357,511. Registered June 7, 1938. LILY MILLS COMPANY, Shelby, N. C., a corporation of North Carolina. Republished by registrant.

TEMPUS

FOR HAND KNITTING NEEDLES AND HAND SEWING NEEDLES.
Claims use since Dec. 2, 1937.

Reg. No. 360,002. Registered Sept. 6, 1938. LILY MILLS COMPANY, Shelby, N. C., a corporation of North Carolina. Republished by registrant.

VIKING

FOR HAND KNITTING NEEDLES AND HAND SEWING NEEDLES.
Claims use since Jan. 24, 1938.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 70,921. Registered Oct. 13, 1908. THE HOLMES SILK COMPANY, New York, N. Y., and Paterson, N. J., a corporation of New Jersey. Republished by registrant, present address Williamsport, Pa.



FOR BLACK SILK TAFFETA IN THE PIECE.
Claims use since May 4, 1908.

Reg. No. 233,309. Registered Sept. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Duvmere

FOR WOOLEN TEXTILE FABRICS IN THE PIECE.
Claims use since about Dec. 15, 1926.

Reg. No. 233,310. Registered Sept. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Peachglo

FOR WOOLEN TEXTILE FABRICS IN THE PIECE.
Claims use since about Dec. 15, 1926.

Reg. No. 268,832. Registered Mar. 18, 1930. W. S. LIBBEY COMPANY, Lewiston, Maine, a corporation of Maine. Republished by registrant.

COLORCOVER

FOR BLANKETS MADE OF COTTON AND WOOL AND COMBINATIONS OF THESE MATERIALS.
Claims use since Sept. 27, 1929.

Reg. No. 308,382. Registered Dec. 5, 1933. W. S. LIBBEY COMPANY, Lewiston, Maine, a corporation of Maine. Republished by registrant.

FLEXNAP

FOR RUBBERIZED FABRIC.
Claims use since June 12, 1933.

Reg. No. 316,487. Registered Aug. 28, 1934. W. S. LIBBEY COMPANY, Lewiston, Maine, a corporation of Maine. Republished by registrant.

TROJAN

FOR BLANKETS, AND PARTICULARLY COTTON BLANKETS.
Claims use since Nov. 14, 1933.

Reg. No. 363,371. Registered Dec. 20, 1938. BOTANY WORSTED MILLS, Passaic, N. J. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.

GILGORA

FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since July 14, 1938.

Reg. No. 369,066. Registered July 11, 1939. W. S. LIBBEY COMPANY, Lewiston, Maine, a corporation of Maine. Republished by registrant.



FOR BLANKETS AND COTTON AND WOOL MIXTURES OF PIECE GOODS.
Claims use since Dec. 5, 1938.

Reg. No. 385,064. Registered Feb. 11, 1941. W. S. LIBBEY COMPANY, Lewiston, Maine, a corporation of Maine. Republished by registrant.

NORSEMAN

FOR BLANKETS AND COTTON AND WOOL MIXTURES OF PIECE GOODS.
Claims use since May 1940.

Reg. No. 427,060. Registered Jan. 28, 1947. ARTHUR SANDERSON & SONS LIMITED, London, England, a corporation of Great Britain. Republished by registrant.

INDECOLOR

FOR TEXTILE PIECE GOODS.
Claims use since March 1930.

CLASS 43

THREAD AND YARN

Reg. No. 305,781. Registered Aug. 22, 1933. LILY MILL AND POWER COMPANY, Shelby, N. C. Republished by Lily Mills Company, Shelby, N. C., a corporation of North Carolina.



FOR SEWING THREAD.
Claims use since about Mar. 29, 1933.

Reg. No. 355,633. Registered Mar. 22, 1938. LILY MILLS COMPANY, Shelby, N. C., a corporation of North Carolina. Republished by registrant.



FOR CROCHET COTTON.
Claims use since Oct. 20, 1937.

Reg. No. 389,757. Registered Aug. 19, 1941. BOTANY WORSTED MILLS, Passaic, N. J. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.

BOTANAIRE

FOR MACHINE WOOLEN AND WORSTED KNITTING YARN.
Claims use since Mar. 14, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 300,315. Registered Jan. 10, 1933. THE PYRAMID RUBBER COMPANY, Ravenna, Ohio. Republished by The Pyramid Rubber Co., Ravenna, Ohio, a corporation of Ohio.

IDEAL

FOR RUBBER NURSING BOTTLE NIPPLES.
Claims use since July 6, 1932.

Reg. No. 316,309. Registered Aug. 21, 1934. THE PYRAMID RUBBER COMPANY, Ravenna, Ohio. Republished by The Pyramid Rubber Co., Ravenna, Ohio, a corporation of Ohio.

PETER PAN

FOR NURSING NIPPLES FOR BABIES.
Claims use since Apr. 14, 1934.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 247,712. Registered Oct. 2, 1928. WIDMER'S GRAPE PRODUCTS INDUSTRY, Naples, N. Y. Republished by Widmer's Wine Cellars, Inc., Naples, N. Y., a corporation of New York.



The drawing is lined to indicate the color blue. With the exception of the word "Widmer's" all the words on the drawing are disclaimed as follows: "4 oz." (both appearances), "Grape Juice, Guaranteed Absolutely Pure. Unfermented Grape Juice, Sugar, Concord, Added, Serve Cold. Keep Cold After Opening. Naples, N. Y."
FOR GRAPE JUICE.
Claims use since Apr. 23, 1914.

Reg. No. 247,713. Registered Oct. 2, 1928. WIDMER'S GRAPE PRODUCTS INDUSTRY, Naples, N. Y. Republished by Widmer's Wine Cellars, Inc., Naples, N. Y., a corporation of New York.



The drawing is lined to indicate blue and red color. The words appearing on the drawing are disclaimed as follows: "American Brand, Grape Juice, Unfermented, Sugar Added, Contents 4 Fl. Oz., Naples, Ontario Co., N. Y."
FOR GRAPE JUICE.
Claims use since May 18, 1925.

Reg. No. 247,714. Registered Oct. 2, 1928. WIDMER'S GRAPE PRODUCTS INDUSTRY, Naples, N. Y. Republished by Widmer's Wine Cellars, Inc., Naples, N. Y., a corporation of New York.



The words appearing on the drawing are disclaimed as follows: "Delaware Brand, Concord Grape Juice, Sugar Added, Unfermented, Naples, New York. Contents 4 Fluid Oz."
FOR GRAPE JUICE.
Claims use since May 31, 1925.

Reg. No. 261,719. Registered Sept. 24, 1929. WIDMER'S GRAPE PRODUCTS INDUSTRY, Naples, N. Y. Republished by Widmer's Wine Cellars, Inc., Naples, N. Y., a corporation of New York.



The following words printed in the label are disclaimed: "Brand, Grape Juice, Unfermented, Sugar Added, Contents 4 Fluid Oz., Naples, N. Y."
FOR GRAPE JUICE.
Claims use since May 18, 1925.

Reg. No. 379,853. Registered July 30, 1940. WAUKESHA ROXO COMPANY, Milwaukee, Wis. Republished by Waukesha Roxo Corporation, Milwaukee and Waukesha, Wis., a corporation of Wisconsin.



FOR NON-ALCOHOLIC, MALTLESS BEVERAGES; TOM COLLINS MIXER, LIME RICKEY, WHITE SODA, GINGER ALE, CARBONATED WATER, CLUB SODA, KOLA, AND ALL SOFT DRINKS INCLUDING BUT NOT LIMITED BY ENUMERATION THE FOLLOWING: ROOT BEER, SARSAPARILLA, CHERRY, CREAM SODA, ORANGE SODA, GRAPEFRUIT, LEMON, LOGANBERRY, RASPBERRY, AND LIME.
Claims use since Mar. 1, 1934.

Reg. No. 438,398. Registered Apr. 20, 1948. ROBERT LAMONT, doing business as Red Rock Beverage Company, Altoona, Pa. Republished by registrant.



FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Apr. 15, 1946.

Reg. No. 438,547. Registered Apr. 27, 1948. DEW BEVERAGE CO., INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

ORANGE DEW

The word "Orange" is disclaimed apart from the mark as shown.
FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS A SOFT DRINK.
Claims use since Jan. 8, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 41,630. Registered Dec. 8, 1903. HAARMANN-DE LAIRE-SCHAEFER CO., Maywood, N. J. Republished by Maywood Chemical Works, Maywood, N. J., a corporation of New Jersey.

VANILLODINE

FOR PERFUMERY AND FLAVORING PRODUCTS.
Claims use since April 1903.

Reg. No. 68,811. Registered Apr. 8, 1908. W. H. STOKES MILLING CO., Watertown, S. Dak. Republished by Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware.

KAMPESKA

FOR WHEAT FLOUR.
Claims use since Dec. 1, 1882.

Reg. No. 70,410. Registered Aug. 25, 1908. CRYSTAL GELATINE COMPANY, Boston, Mass. Republished by Eastman Gelatine Corporation, Peabody, Mass., a corporation of Massachusetts.



FOR GELATIN.
Claims use since Apr. 1, 1908.

Reg. No. 82,239. Registered June 13, 1911. INDIA TEA COMPANY, Chicago, Ill. Republished by The Cook Coffee Company, Cleveland, Ohio, a corporation of Ohio.

INDIOLA

FOR COFFEES, TEAS, COCOA, FRUIT AND FLAVORING EXTRACTS, AND SPICES.
Claims use since Dec. 23, 1910.

Reg. No. 111,375. Registered July 11, 1916. JOE. MIDDLEBY, JR., INC., Boston, Mass. Republished by Joseph Middleby, Jr., Inc., Boston, Mass., a corporation of Massachusetts.

MIDCO

FOR FLAVORING EXTRACTS FOR FOOD AND MINCE-MEAT.
Claims use since Nov. 25, 1913.

Reg. No. 118,710. Registered Oct. 31, 1916. THE W. H. DUNNE CO., Norwich, N. Y., a corporation of New York. Republished by registrant.

SUPREME COURT

FOR CANNED PEAS, CANNED CORN, COFFEE, TEA, CHOCOLATE CREAM DROPS, CANNED TOMATOES, CANNED SUCCOTASH, CANNED WAX-BEANS, CANNED PORK AND BEANS, AND CANNED SPINACH AND CANNED SALMON.
Claims use since Oct. 28, 1912.

Reg. No. 117,178. Registered June 19, 1917. GEO. B. MATTHEWS & SONS, New Orleans, La. Republished by Geo. B. Matthews & Sons, Inc., New Orleans, La., a corporation of Louisiana.

MIRACLE

FOR STOCK FEED.
Claims use since Apr. 4, 1916.

Reg. No. 122,821. Registered Sept. 17, 1918. SAN JOAQUIN FRUIT CO., Tustin, Calif. Republished by Frances Citrus Corporation, Santa Ana, Calif., a corporation of California.

Huck Finn



FOR FRESH CITRUS FRUITS, CONSISTING OF ORANGES AND LEMONS.
Claims use since Mar. 11, 1918.

Reg. No. 122,822. Registered Sept. 17, 1918. SAN JOAQUIN FRUIT CO., Tustin, Calif. Republished by Frances Citrus Association, Santa Ana, Calif., a corporation of California.

President

FOR FRESH CITRUS FRUITS, CONSISTING OF ORANGES AND LEMONS.
Claims use since Mar. 11, 1918.

Reg. No. 123,063. Registered Oct. 8, 1918. SAN JOAQUIN FRUIT CO., Tustin, Calif. Republished by Frances Citrus Association, Santa Ana, Calif., a corporation of California.

Mark Twain



FOR FRESH CITRUS FRUITS, CONSISTING OF ORANGES AND LEMONS.
Claims use since Mar. 11, 1918.

Reg. No. 173,946. Registered Oct. 2, 1923. WILLIAM R. WEDRICK, Silver Lake, Ind. Republished by W. R. Wedrick Farms, Inc., Silver Lake, Ind., a corporation of Indiana.



The words "Brand," "Fancy," and "Onions" are disclaimed apart from the mark as shown.
FOR ONIONS IN THEIR NATURAL STATE.
Claims use since Aug. 12, 1922.

Reg. No. 187,291. Registered July 29, 1924. ELIC A. HOFFMAN, doing business as E. A. Hoffman Candy Co., Los Angeles, Calif. Republished by E. A. Hoffman Candy Co., Inc., Los Angeles, Calif., a corporation of California.

FULL O' FRUIT

The word "Fruit" is disclaimed apart from the mark as shown.
FOR CANDY AND CHOCOLATES IN BOXES AND BULK.
Claims use since Mar. 1, 1921.

Reg. No. 193,045. Registered Dec. 16, 1924. WHITTIER SELECT CITRUS ASSOCIATION, Whittier, Calif., a corporation of California. Republished by registrant.

UNIVERSAL

FOR FRESH CITRUS FRUITS—NAMELY, FRESH ORANGES AND FRESH LEMONS.
Claims use since January 1915.

Reg. No. 207,146. Registered Dec. 22, 1925. E. A. HOFFMAN CANDY CO., INC., Los Angeles, Calif., a corporation of California. Republished by registrant.

Milk-A-Let

FOR CANDY.
Claims use since November 1915.

Reg. No. 220,019. Registered Oct. 26, 1926. THE CHICAGO DIETETIC SUPPLY HOUSE, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

CELLU

FOR WASHED BRAN, BRAN WAFERS, BRAN BREAKFAST FOOD, INDIA GUM AS A FOOD INGREDIENT, AGAR-AGAR USED AS A FOOD INGREDIENT, AGAR JELLY, GELATIN, COCOA NIBS, COCOA SHELLS, SOY CRISP, CANNED FRUITS AND VEGETABLES, FOOD FLAVORING EXTRACTS, AND MINERAL OIL USED AS A FOOD INGREDIENT.
Claims use since June 1, 1922.

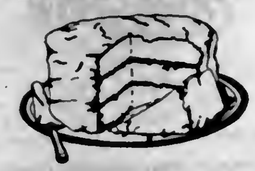
Reg. No. 227,736. Registered Jan. 17, 1928. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich., a corporation of Michigan. Republished by registrant.

GRANOLA

FOR CEREAL BREAKFAST FOOD.
Claims use since 1880.

Reg. No. 238,658. Registered Feb. 14, 1928. COMMANDER LARABEE CEREAL COMPANY, Chicago, Ill. Republished by Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware.

Airy Fairy



FOR CAKE FLOUR.
Claims use since Mar. 24, 1927.

Reg. No. 244,197. Registered July 17, 1928. BRADFORD BROS., INC., Placentia, Calif., a corporation of Nevada. Republished by registrant.

CALIFORNIA DREAM

FOR FRESH CITRUS FRUITS.
Claims use since Feb. 24, 1928.

Reg. No. 245,062. Registered Aug. 7, 1928. THE PETERSON NUT COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



No claim is made to the phrases "Flavor-Toasted Nuts" and "Choice of World Markets." The lining on the drawing indicates the color orange.
FOR CANDIED AND SALTED NUTS AND NUTS IN THEIR NATURAL STATE.
Claims use since on or about May 1, 1927.

Reg. No. 249,778. Registered Nov. 20, 1928. THE O'DONNELL COMPANY, Boston, Mass. Republished by O'Donnell-Usen Fisheries Corporation, Boston, Mass., a corporation of Massachusetts.



The word "Quality" is disclaimed apart from the mark as shown.
FOR FRESH FISH—NAMELY, FILLETS AND DRESSED HADDOCK.
Claims use since about Sept. 1, 1925.

Reg. No. 250,962. Registered Dec. 18, 1928. HARRY GEORGE CUBBISON, doing business as Cubbison Cracker Co., Los Angeles, Calif. Republished by Cubbison Cracker Company, Los Angeles, Calif., a firm.



The word "Cubbison's" forms a part of the registration sought only in association with the other features of the mark shown in the drawing.
FOR TOAST.
Claims use since Jan. 1, 1927.

Reg. No. 259,068. Registered July 23, 1929. SPRECKELS SUGAR COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

HONEY-DEW

FOR SUGAR.
Claims use since about Sept. 5, 1922.

Reg. No. 263,719. Registered Nov. 12, 1929. NORRIS INCORPORATED, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

RONDELS

FOR CANDY.
Claims use since July 1927.

Reg. No. 265,135. Registered Dec. 17, 1929. COWICHE GROWERS, INC., Cowiche, Wash., a corporation of Washington. Republished by registrant.

HY-LAND-KIDS

FOR FRESH DECIDUOUS FRUITS.
Claims use since 1922.

Reg. No. 267,929. Registered May 4, 1930. CHULA VISTA CITRUS ASSOCIATION, Chula Vista, Calif. Republished by The Chula Vista Citrus Association, Chula Vista, Calif., a corporation of California.

IMP

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since Mar. 1, 1917.

Reg. No. 268,005. Registered Mar. 4, 1930. IMPERIAL SUGAR COMPANY, Sugar Land, Tex., a corporation of Texas. Republished by registrant.

SPARKLING IMPERIAL

The word "Sparkling" is disclaimed apart from the mark as shown.
FOR CANE SUGAR.
Claims use since September 1926.

Reg. No. 269,755. Registered Apr. 15, 1930. LLOYD E. HOLSINGER, doing business as Del-Mar-Va Hatcheries, Denton, Md. Republished by L. B. MacDowell, Salisbury, Md.

DEL-MAR-VA HATCHERY

The representation of the chicks and the word "Hatchery" are disclaimed apart from the mark as shown.
FOR EGGS FOR HATCHING AND FOOD PURPOSES AND BABY CHICKS AND LIVE POULTRY.
Claims use since June 16, 1928.

Reg. No. 274,581. Registered Sept. 2, 1930. FORREMOST DAIRY PRODUCTS, INC., Jacksonville, Fla. Republished by Foremost Dairies, Inc., Jacksonville, Fla., a corporation of Delaware.

f

FOR FRESH MILK, BUTTERMILK, AND SOUR MILK.
Claims use since April 1929.

Reg. No. 284,980. Registered July 14, 1931. SOUTHLAND COFFEE COMPANY, Macon, Ga., a corporation of Georgia. Republished by registrant, present address Atlanta, Ga.

PRIDE OF THE SOUTHLAND

FOR COFFEE.
Claims use since April 1930.

Reg. No. 288,218. Registered Oct. 20, 1931. SCLAFANI BROTHERS, Brooklyn, N. Y. Republished by Joseph L. Sclafani, Inc., Brooklyn, N. Y., a corporation of New York.

Sclafani

The word "Sclafani" is disclaimed apart from the mark as shown.
FOR CANNED VEGETABLES AND CANNED FISH.
Claims use since October 1926.

Reg. No. 289,163. Registered Nov. 17, 1931. HENRY BECKER & SON, INC., Roseland, N. J., a corporation of New Jersey. Republished by registrant.

HENRY BECKER & SON · INC. EXCLUSIVELY GRADE RAW ROSELAND, N.J.

The drawing is lined to represent the color red. The words "Grade," "Raw," "A," "Exclusively," and "Roseland, N. J." are disclaimed apart from the mark as shown. No claim is made to the representation of the bottle.
FOR MILK.
Claims use since Feb. 15, 1931.

Reg. No. 295,822. Registered July 12, 1932. CAIRO SYRUP COMPANY, Atlanta, Ga. Republished by Alabama-Georgia Syrup Company, Montgomery, Ala., a corporation of Alabama.

FLINT RIVER

FOR BLENDED CANE AND CORN SYRUP.
Claims use since 1917.

Reg. No. 295,823. Registered July 12, 1932. CAIRO SYRUP COMPANY, Atlanta, Ga. Republished by Alabama-Georgia Syrup Company, Montgomery, Ala., a corporation of Alabama.

PINEY WOODS

FOR CANE SYRUP.
Claims use since 1914.

Reg. No. 295,952. Registered July 19, 1932. CAIRO SYRUP COMPANY, Atlanta, Ga. Republished by Alabama-Georgia Syrup Company, Montgomery, Ala., a corporation of Alabama.

WIRE-GRASS

FOR CANE SYRUP.
Claims use since October 1910.

Reg. No. 297,949. Registered Oct. 4, 1932. F. A. GOSSE COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

RED BREAST

FOR CANNED FISH.
Claims use since 1919.

Reg. No. 329,995. Registered Nov. 19, 1935. DIETARY FOODS COMPANY, Minneapolis, Minn. Republished by Larx Company, Incorporated, Minneapolis, Minn., a corporation of Minnesota.

DIETENE

FOR LOW CALORY DIETING FOOD COMPRISING A BLEND OF VEGETABLE AND PLANT CONCENTRATES, REINFORCED WITH VITAMINS AND IN A MILK SOLID BASE AND CONTAINING NO DRUGS OR CHEMICALS.
Claims use since Jan. 1, 1934.

Reg. No. 333,628. Registered Mar. 31, 1936. SOUTHLAND COFFEE COMPANY, Macon, Ga., a corporation of Georgia. Republished by registrant, present address Atlanta, Ga.

SOUTHLAND'S GOLD STANDARD

FOR COFFEE.
Claims use since Sept. 24, 1935.

Reg. No. 334,111. Registered Apr. 21, 1936. ASSOCIATED ANAHEIM GROWERS, Anaheim, Calif. Republished by Yorba Orange Growers Association, Anaheim, Calif., a corporation of California.

REBECCA

FOR FRESH CITRUS FRUIT.
Claims use since Nov. 23, 1935.

Reg. No. 334,112. Registered Apr. 21, 1936. ASSOCIATED ANAHEIM GROWERS, Anaheim, Calif. Republished by Yorba Orange Growers Association, Anaheim, Calif., a corporation of California.

QUEEN ESTHER

FOR FRESH CITRUS FRUIT.
Claims use since Nov. 23, 1935.

Reg. No. 334,113. Registered Apr. 21, 1936. ASSOCIATED ANAHEIM GROWERS, Anaheim, Calif. Republished by Yorba Orange Growers Association, Anaheim, Calif., a corporation of California.

KING DAVID

FOR FRESH CITRUS FRUIT.
Claims use since Nov. 23, 1935.

Reg. No. 342,890. Registered Feb. 2, 1937. CONTINENTAL MILLS, INC., Seattle, Wash., a corporation of Washington. Republished by registrant.

KRUSTEAZ

FOR PREPARED PIE CRUST.
Claims use since June 1932.

Reg. No. 344,411. Registered Mar. 23, 1937. NORRIS INCORPORATED, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

Full Dress

FOR CANDY.
Claims use since December 1935.

Reg. No. 345,534. Registered Apr. 27, 1937. ABE M. KATZ COMPANY, Robstown, Tex., a corporation of Texas. Republished by registrant.

BLUE BABY

FOR FRESH VEGETABLES.
Claims use since Dec. 11, 1936.

Reg. No. 346,104. Registered May 18, 1937. FEHR BAKING COMPANY OF BEAUMONT, Beaumont, Tex., a corporation of Delaware. Republished by registrant.

Fair-Maid

FOR BREAD.
Claims use since Sept. 3, 1931.

Reg. No. 348,407. Registered July 27, 1937. NORRIS INCORPORATED, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

Marcelle

FOR CANDY.
Claims use since June 1, 1934.

Reg. No. 349,662. Registered Aug. 31, 1937. DIEBERT BROS. & SNYDER, Biola and Fresno, Calif. Republished by Diebert Packing Company, Biola, Calif., a firm.

MR. RINKLY

FOR RAISINS.
Claims use since Mar. 17, 1937.

Reg. No. 350,962. Registered Oct. 12, 1937. ASSOCIATED ANAHEIM GROWERS, Anaheim, Calif. Republished by Yorba Orange Growers Association, Anaheim, Calif., a corporation of California.

MARC ANTONY

FOR FRESH CITRUS FRUIT.
Claims use since May 29, 1937.

Reg. No. 351,202. Registered Oct. 19, 1937. ASSOCIATED ANAHEIM GROWERS, Anaheim, Calif. Republished by Yorba Orange Growers Association, Anaheim, Calif., a corporation of California.

STONEWALL JACKSON

FOR FRESH CITRUS FRUIT.
Claims use since May 8, 1937.

Reg. No. 361,186. Registered Oct. 11, 1938. PAUL BUNYAN FOODS, INC., Seattle, Wash., a corporation of Washington. Republished by registrant.

PAUL BUNYAN

FOR CANNED FRUITS, VEGETABLES, BERRIES, SAUERKRAUT, AND TOMATO CATSUP.
Claims use since June 14, 1937.

Reg. No. 371,760. Registered Oct. 3, 1939. NORRIS INCORPORATED, Atlanta, Ga., a corporation of Georgia. Republished by registrant.



FOR CANDY.
Claims use since Nov. 28, 1933.

Reg. No. 373,226. Registered Nov. 28, 1939. BRADFORD BROS., INC., Placentia, Calif., a corporation of Nevada. Republished by registrant.

SUN-TAG

FOR FRESH CITRUS FRUIT.
Claims use since July 7, 1938.

Reg. No. 382,966. Registered Nov. 19, 1940. CAMPBELL-TAGGART ASSOCIATED BAKERIES, INC., Dallas, Tex., a corporation of Delaware. Republished by registrant.

RAINBO

FOR BREAD.
Claims use since Sept. 15, 1926.

Reg. No. 386,722. Registered Apr. 22, 1941. THE CHICAGO DIETETIC SUPPLY HOUSE, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

CELLU

FOR CANNED FRUITS AND VEGETABLES; CANNED APPLE SAUCE; CANNED FRUITS FOR SALAD; CANNED FRUIT COCKTAIL; CANNED FRUIT AND VEGETABLE JUICES; CANNED BERRIES; BAKING POWDER; AGAR AGAR USED AS A FOOD INGREDIENT; INDIA GUM USED AS A FOOD INGREDIENT; COCOA; SOY BEAN SANDWICH SPREAD; MAYONNAISE AND FRENCH SALAD DRESSINGS; SOY BEAN OIL; OLIVE OIL; MINERAL OIL USED AS A FOOD INGREDIENT; CHILI SAUCE; PICKLES; PICKLED PEACHES; VEGETABLE RELISH; BOUILLON CUBES; CANNED SOY BEANS IN TOMATO SAUCE; DRIED SOY BEANS; CANNED SOUPS; SACCHARIN USED AS A FOOD INGREDIENT; FOOD FLAVORING EXTRACTS; SUGARLESS SWEETENER; ROASTED SOY BEANS; AGAR JELLY; GELATIN; GUM DROPS; LOLLY POPS; CANDY BARS; CHEWING GUM; ICE CREAM POWDER; RENNET POWDER; PUDDING POWDER; SOY BEAN GRITS; SOY BEAN FLAKES; BREAKFAST CRISP CONTAINING WASHED BRAN, PLANT CELLULOSE, MINERAL OIL, INDIA GUM, SALT, SODA BICARBONATE, BAKING POWDER, AND SWEETENED WITH SACCHARIN; POPPED SOY BEAN BREAKFAST FOODS; SOY BEAN WAFERS; SOY OAT COOKIES; ALMOND MACAROONS; SOY BEAN FLOUR; CASEIN FLOUR; MUFFIN FLOUR; SPECIALLY PREPARED FLOUR CONTAINING PULVERIZED WASHED BRAN, STARCH, VEGETABLE FAT, LEAVENING AGENT, SALT, AND INDIA GUM; AND BEAN FLOUR.
Claims use since Apr. 1, 1919.

Reg. No. 386,998. Registered Apr. 29, 1941. NORRIS INCORPORATED, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

NORRIS DEXTRONS

FOR CANDY.
Claims use since April 1928.

Reg. No. 388,777. Registered July 8, 1941. THE SQUIRT COMPANY, Beverly Hills, Calif. Republished by The Squirt Company, Beverly Hills, Calif., a corporation of California.

SQUIRT

FOR FRESH CITRUS FRUITS AND CANNED FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Feb. 10, 1941.

Reg. No. 392,790. Registered Jan. 13, 1942. NORRIS INCORPORATED, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

NORRIS Peachtree

The surname "Norris" is disclaimed apart from the mark as shown.
FOR CANDY.
Claims use since June 16, 1941.

Reg. No. 402,201. Registered July 6, 1943. B. SPILIADIS & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

FAROS

FOR CANNED OLIVE OIL.
Claims use since May 1921.

Reg. No. 404,679. Registered Dec. 14, 1943. B. SPILIADIS & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

VASILISSA AMALIA

FOR OLIVE OIL, CANNED VEGETABLES, CANNED FRUITS, AND DRIED BEANS.
Claims use since July 7, 1940.

Reg. No. 408,431. Registered Aug. 8, 1944. ELIAS LASKY, doing business as Elco Food Products Company, New York, N. Y. Republished by registrant.

THREE MASTS

FOR CANNED TUNA FISH.
Claims use since Mar. 22, 1944.

Reg. No. 419,083. Registered Feb. 5, 1946. THOMAS L. BROWN, LTD., Kansas City, Mo., a firm. Republished by registrant.

ZESTEE

FOR FRESH MEAT IN THE NATURE OF SPECIALLY PREPARED LOIN STRIPS OF BEEF, PREPARED BY MOLDING, FREEZING, AND THINLY SLICING RELATIVELY LARGE, BONED PIECES THEREOF.
Claims use since Dec. 4, 1944.

Reg. No. 421,993. Registered June 25, 1946. SNOW CROP MARKETERS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SNOW CROP

The word "Crop" is disclaimed apart from the mark as shown.
FOR FROZEN VEGETABLES—NAMELY, GREEN PEAS, ASPARAGUS CUTS AND TIPS.
Claims use since Aug. 9, 1945.

Reg. No. 427,889. Registered Feb. 25, 1947. NIELSEN BROS., El Centro, Calif., a firm. Republished by registrant.

HEAD START

FOR FRESH VEGETABLES.
Claims use since Jan. 1, 1945.

Reg. No. 433,738. Registered Oct. 28, 1947. CULBERTSON INVESTMENT COMPANY, Ventura, Calif., a corporation of California. Republished by registrant.

AQUA

FOR FRESH CITRUS FRUITS.
Claims use since about 1919.

Reg. No. 434,211. Registered Nov. 11, 1947. CHARLES G. SUMMERS, JR., INC., New Freedom, Pa., a corporation of Maryland. Republished by registrant.

LEGION

FOR CANNED CUT WAX BEANS, CANNED WHITE SWEET CORN, CANNED LIMA BEANS, CANNED TOMATOES, CANNED BLACK EYE PEAS, CANNED CUT GREEN BEANS, CANNED RED KIDNEY BEANS, CANNED TRIPLE SUCCOTASH, CANNED SUCCOTASH, CANNED GOLDEN BANTAM CORN, CANNED SWEET CORN, CANNED EARLY JUNE PEAS.
Claims use since January 1924.

Reg. No. 437,257. Registered Mar. 9, 1948. JOHN W. LAW CO., Santa Maria and Guadalupe, Calif., a corporation of California. Republished by registrant, present address Santa Maria, Calif.

HEAVY WEIGHT

FOR FRESH VEGETABLES.
Claims use since Sept. 29, 1927.

Reg. No. 438,070. Registered Apr. 6, 1948. JUNIOR FOOD PRODUCTS CO., INC., Tyrone, Pa., a corporation of Delaware. Republished by registrant.

JACK and JILL

FOR FLAVORED GELATIN DESSERT PREPARATION.
Claims use since June 25, 1920.

Reg. No. 438,078. Registered Apr. 6, 1948. D. F. MCBRIDE, Weslaco, Tex. Republished by registrant.

TROPIC MAID

FOR FRESH VEGETABLES—NAMELY, TOMATOES.
Claims use since November 1944.

Reg. No. 438,104. Registered Apr. 6, 1948. E. A. HOFFMAN CANDY CO., INC., Los Angeles, Calif., a corporation of California. Republished by registrant.

Adorable

FOR CANDY.
Claims use since Feb. 28, 1928.

Reg. No. 438,523. Registered Apr. 27, 1948. CREAM DOVE MFG. CO., INC., Binghamton, N. Y., a corporation of New York. Republished by registrant.

Cream Dove

FOR PEANUT BUTTER.
Claims use since March 1935.

Reg. No. 438,972. Registered May 25, 1948. THE CHOCOLATE MAN, INC., New York, N. Y., a corporation of New York. Republished by registrant.



The words "Made by" and "Chocolate" are disclaimed apart from the mark as shown.
FOR CANDIES.
Claims use since Apr. 24, 1947.

Reg. No. 439,047. Registered June 1, 1948. QUAKER CITY CHOCOLATE AND CONFECTIONERY COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

So Big

The word "Big" is disclaimed apart from the mark as shown.
FOR CHOCOLATE COVERED CANDY BAR.
Claims use since 1943.

CLASS 47

WINES

Reg. No. 119,580. Registered Nov. 27, 1917. SOCIETE ANONYME DUBONNET, Paris, France. Republished by Dubonnet Wine Corporation, New York, N. Y., a corporation of New York.

Dubonnet

FOR APPETIZING WINE.
Claims use since 1890.

Reg. No. 309,527. Registered Jan. 16, 1934. WIDMER'S WINE CELLARS, Naples, N. Y. Republished by Widmer's Wine Cellars, Inc., Naples, N. Y., a corporation of New York.

Widmerheimer

FOR WINE.
Claims use since Sept. 17, 1912.

Reg. No. 314,198. Registered June 19, 1934. WIDMER'S WINE CELLARS, INC., Naples, N. Y., a corporation of New York. Republished by registrant.

HILLSIDE

The letters of the word "Hillside" are hatched for gold in the body of the letters and red on the margin of the letters.
FOR WINES.
Claims use since Jan. 3, 1934.

Reg. No. 314,199. Registered June 19, 1934. WIDMER'S WINE CELLARS, INC., Naples, N. Y., a corporation of New York. Republished by registrant.

LAKESIDE

The letters of the word "Lakeside" are hatched for gold in the body of the letters and red on the margin of the letters.
FOR WINES.
Claims use since Jan. 13, 1934.

Reg. No. 314,200. Registered June 19, 1934. WIDMER'S WINE CELLARS, INC., Naples, N. Y., a corporation of New York. Republished by registrant.



The word "Neopolitan" is disclaimed apart from the mark. The letters of the word are cross-hatched for red and gold.
FOR WINES.
Claims use since 1903.

Reg. No. 319,095. Registered Nov. 13, 1934. MAISON F. CHAUVENET S. A., Nuits-St-Georges, France. Republished by R. C. Williams & Company, Inc., New York, N. Y., a corporation of New York.

WHITE FLAG

FOR WINES.
Claims use since April 1924.

Reg. No. 319,096. Registered Nov. 13, 1934. MAISON F. CHAUVENET S. A., Nuits-St-Georges, France. Republished by R. C. Williams & Company, Inc., New York, N. Y., a corporation of New York.

RED FLAG

FOR WINES.
Claims use since April 1924.

Reg. No. 319,695. Registered Dec. 4, 1934. DUBONNET WINE CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

Dubonnet

FOR WINES.
Claims use since 1893.

Reg. No. 320,147. Registered Dec. 18, 1934. WIDMER'S WINE CELLARS, INC., Naples, N. Y., a corporation of New York. Republished by registrant.

VALLEY

Widmer's Wine Cellars Inc.

The letters of the word "Valley" are lined and hatched for red and gold. The words "Widmer's Wine Cellars Inc." are disclaimed apart from the mark.
FOR WINES.
Claims use since Jan. 11, 1934.

Reg. No. 320,149. Registered Dec. 18, 1934. MAISON F. CHAUVENET S. A., Nuits-St-Georges, France. Republished by R. C. Williams & Company, Inc., New York, N. Y., a corporation of New York.



FOR WINES.
Claims use since April 1924.

Reg. No. 320,150. Registered Dec. 18, 1934. MAISON F. CHAUVENET S. A., Nuits-St-Georges, France. Republished by R. C. Williams & Company, Inc., New York, N. Y., a corporation of New York.



FOR WINES.
Claims use since April 1924.

Reg. No. 323,225. Registered Apr. 9, 1935. WIDMER'S WINE CELLARS, INC., Naples, N. Y., a corporation of New York. Republished by registrant.

HARVEST

The drawing is lined for gold.
FOR WINES, AS FOLLOWS: ANGELICA, BURGUNDY, SWEET CATAWBA, CLARET, MUSCATEL, PORT, SHERRY, DRY SAUTERNE, HAUT SAUTERNE, REISLING, AND TOKAY.
Claims use since Oct. 29, 1934.

Reg. No. 329,117. Registered Oct. 15, 1935. WIDMER'S WINE CELLARS, INC., Naples, N. Y., a corporation of New York. Republished by registrant.

White Gold

FOR CARBONATED WINES.
Claims use since May 25, 1935.

Reg. No. 389,486. Registered Aug. 5, 1941. LUCIEN ARDIN, INC., New York, N. Y., a corporation of New York. Republished by registrant.



The words "American Aperitif Wine" are disclaimed apart from the mark as shown.
FOR AMERICAN APERITIF WINE.
Claims use since July 25, 1935.

Reg. No. 389,488. Registered Aug. 5, 1941. LUCIEN ARDIN, INC., New York, N. Y., a corporation of New York. Republished by registrant.



The words "Vino American Vermouth" are disclaimed apart from the mark as shown.
FOR AMERICAN VERMOUTH.
Claims use since Oct. 16, 1935.

Reg. No. 396,479. Registered July 21, 1942. CUCAMONGA WINERY, Cucamonga, Calif., a corporation of California. Republished by registrant.



The words "Vinum Bonum Est" and "Look For This Signature" are disclaimed apart from the mark as shown.
FOR WINES.
Claims use since June 30, 1941.

Reg. No. 406,428. Registered Apr. 4, 1944. LUCIEN ARDIN, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Ardin
Rio-Bella

The surname "Ardin" is disclaimed apart from the mark as shown.
FOR WINES.
Claims use since 1905.

Reg. No. 411,545. Registered Feb. 6, 1945. DUBONNET WINE CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.



FOR WINE APERITIF.
Claims use since 1942.

Reg. No. 418,814. Registered Jan. 8, 1946. LUCIEN ARDIN, INC., New York, N. Y., a corporation of New York. Republished by registrant.

BELLA COLLINA

FOR WINES.
Claims use since 1902.

Reg. No. 437,106. Registered Mar. 9, 1948. GEO. G. SANDEMAN, SONS & CO. LIMITED, London, England. Republished by Geo. G. Sandeman Sons & Co. Limited, London, England, a limited liability company of Great Britain.

ESMERALDA

FOR WINES.
Claims use since at least the year 1934.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 314,686. Registered July 3, 1934. SOCIETE E. NORMANDIN & Co., Chateauneuf, France, a firm organized under the laws of France. Republished by registrant.

NORMANDIN

E.NORMANDIN&C°

COGNAC

FRANCE

No claim is made to the wording shown in the drawing apart from the mark as shown.

FOR COGNAC BRANDY.

Claims use since 1844.

Reg. No. 339,709. Registered Oct. 20, 1936. AKTIESELSKABET DE DANSKE SPRITFABRIKKER, Copenhagen, Denmark, a corporation of Denmark. Republished by registrant.

Maltese Cross

FOR ALL KINDS OF ALCOHOLIC LIQUORS—NAMELY, BRANDY, GIN, WHISKY, AQUAVITAE, RYE, RUM, COGNAC, ETHYL ALCOHOL, AND ALCOHOLIC EXTRACTS, ESSENCES, AND LEES USED IN THE MANUFACTURE OF DISTILLED LIQUORS.

Claims use since about 1881.

Reg. No. 351,219. Registered Oct. 19, 1937. DE DANSKE SPRITFABRIKKER AKTIESELSKAB, Copenhagen, Denmark, a corporation of Denmark. Republished by registrant.

Aalborg.

FOR BRANDY KNOWN AS "AQUAVITAE" OR AKVAVIT."

Claims use since about 1846.

Reg. No. 438,071. Registered Apr. 6, 1948. DENEBEIM DISTILLING COMPANY, Kansas City, Mo. Republished by Berbiglia, Inc., Kansas City, Mo., a corporation of Missouri.

Old Library

The word "Old" is disclaimed apart from the mark as shown.

FOR WHISKEY.

Claims use since Mar. 21, 1947.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 237,330. Registered Jan. 10, 1928. DETTRA FLAG COMPANY, INC., Oaks, Pa., a corporation of Pennsylvania. Republished by registrant.

DETTRA FLAG PRODUCTS

The lining on the drawing represents the colors blue and red. No claim is made to the words "Flag Products" apart from the mark as shown.

FOR FLAGS, PENNANTS, BANNERS, BANNERETTES, AND FLAG ACCESSORIES—NAMELY, FLAG POLES, FLAG HOLDERS, FLAGPOLE HOLDERS, FLAG STANDS, FLAG CARRYING BELTS, FLAG CORDS AND TASSELS, BANNER HOLDERS, AND ORNAMENTS FOR FLAG POLES.

Claims use since on or about July 1, 1925.

Reg. No. 297,353. Registered Sept. 13, 1932. HENRY BECKER & SON, INC., Roseland, N. J., a corporation of New Jersey. Republished by registrant.

HENRY BECKER & SON, INC. EXCLUSIVELY GRADE A RAW NEW JERSEY ROSELAND, N.J.

The words "Exclusively Grade A," "Raw," "New Jersey," and "Roseland, N. J." and the representation of the bottle are disclaimed.

FOR MILK BOTTLE COVERS DESIGNED TO BE INSERTED OVER THE MOUTH AND NECK PORTION OF MILK BOTTLES TO PROTECT THE SAME AND KEEP THEM SANITARY.

Claims use since 1880.

PLANT PATENTS

GRANTED MAY 17, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

836

HONEY LOCUST TREE

John D. Siebenthaler, Dayton, Ohio, assignor to The Siebenthaler Co., Dayton, Ohio, a corporation of Ohio

Application October 14, 1947, Serial No. 779,796

1 Claim. (Cl. 47—59)

A new and distinct variety of honey locust tree, characterized as to novelty by its habit of quick growth, its size and shape, its dense foliage suitable for shade purposes, its fruitlessness and consequent lack of production of seed pods, and the absence of thorns, substantially as shown and described.

837

LILAC PLANT

Walter Bosworth Clarke, San Jose, Calif., assignor to W. B. Clarke & Co., San Jose, Calif., a partnership

Application August 14, 1947, Serial No. 768,584

1 Claim. (Cl. 47—60)

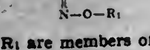
A new and distinct variety of *Syringa vulgaris* plant substantially as shown and described, characterized as to novelty by its habit of prolific flowering; by the bluish purple color of its flowers, the variation of color at definite stages of development from bud to mature bloom; by the spacing of the double flowers in the uncrowded but intermingled compound thyrses; the dark color of the new growth of bark; and its free blooming on young plants.

PATENTS

GRANTED MAY 17, 1949

2,470,083
ETHERS OF OXIMINO ACID CHLORIDES
Walter H. Hartung, Baltimore, Md.
No Drawing. Application April 3, 1946, Serial No. 659,439
4 Claims. (Cl. 260—544)

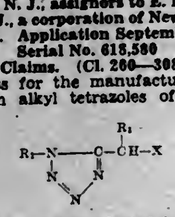
1. An alpha-alkoximino acid chloride having the formula



where R and R_1 are members of the group consisting of alkyl and aralkyl.

2,470,084
SUBSTITUTED ALPHA-HALOGEN ALKYL TETRAZOLES AND PROCESS FOR OBTAINING THE SAME
Edward K. Harvill, Orange, and Robert M. Herbst, Short Hills, N. J.; assignors to E. Bilhuber, Inc., Orange, N. J., a corporation of New Jersey
No Drawing. Application September 25, 1945, Serial No. 618,580
5 Claims. (Cl. 260—308)

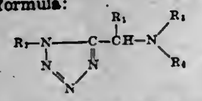
1. A process for the manufacture of substituted halogen alkyl tetrazoles of the general formula



wherein R_1 is a member selected from the group consisting of hydrogen and alkyl, R_2 is a member selected from the group consisting of aryl, cycloalkyl, alkyl and aralkyl, and X is a member selected from the group consisting of chlorine and bromine which consists of causing a mono-N-substituted alpha-halogen acid amide of the general formula $R_2NH.C:O.CH(R_1).X$ wherein R_1, R_2 and X are as above defined, to react with a phosphorous halide at a temperature sufficiently low to prevent alpha-halogenation, and treating the product so formed with a compound of the group consisting of hydrazoic acid and sodium azide.

2,470,085
SUBSTITUTED AMINO ALKYL TETRAZOLES
Edward K. Harvill, Orange, and Robert M. Herbst, Short Hills, N. J., assignors to E. Bilhuber, Inc., Orange, N. J., a corporation of New Jersey
No Drawing. Application March 7, 1947, Serial No. 733,178
4 Claims. (Cl. 260—308)

1. Substituted amino alkyl tetrazoles having the general formula:



wherein R_1 is selected from the group consisting of hydrogen, alkyl, aryl and aralkyl; R_2 is selected from the group consisting of alkyl, aryl, aralkyl and cycloalkyl; and wherein the



is selected from among the following: (1) a radical wherein R_3 and R_4 are selected from the group consisting of hydrogen, alkyl, alkenyl, cycloalkyl, aryl and aralkyl, and (2) a radical wherein



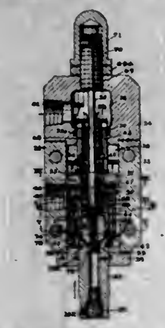
is included in a cyclic system selected from among the piperidine and morpholine groups.

2,470,086
HYDRAULIC APPARATUS
Cecil E. Adams, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application July 19, 1944, Serial No. 545,701
15 Claims. (Cl. 60—52)

2. A fluid pressure system comprising, in combination, a source of fluid under pressure; a fluid motor having a cylinder and piston; means for controlling the operation of said motor, said means including a body having a chamber and inlet, outlet and work ports communicating therewith; means connecting the inlet port with said fluid pressure source, the work ports with said fluid motor on opposite sides of said piston and the outlet ports to exhaust; means slidably disposed in said body, said slidable means having ports continuously communicating with the ports in said body, a port communicating with one outlet port being restricted, said slidable means having an additional port communicating with said inlet in one position only of said slidable means; means operated by said piston to move said slidable means to such position; means tending to urge said slidable means away from such position; means slidably engaging the first mentioned slidable means to control fluid flow between the ports in said first mentioned slidable means, one of said slidable means forming a passage extending from said additional port to one end of the second mentioned slidable means; means tending to retain the second mentioned slidable means in a position to establish communication between a selected work port and said inlet and the other work port and an outlet, fluid pressure admitted through said additional

port and passage to said one end of the second mentioned slidable means serving to move said second mentioned slidable means to a position to connect the selected work port with said restricted outlet and the other work port with said inlet, one of said slidable means forming a restricted passage to conduct fluid from said selected work port to said one end of said second slidable means to retain the same in the last mentioned position.

2,470,087
EXPANSIBLE CHAMBER HYDRAULIC MOTOR WITH DISTRIBUTING VALVE IN PISTON
Cecil E. Adams, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application December 14, 1944, Serial No. 568,139
23 Claims. (Cl. 121—123)

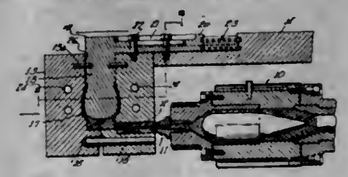


19. In a hydraulic system, a source of fluid pressure; a fluid pressure energy translating device connected in said system, said device having a body with inlet and outlet ports and an internal chamber; a piston disposed for sliding movement in said chamber; valve means carried by said piston and movable relative thereto, means for utilizing fluid flowing from one end of said chamber to retain said valve means in a position to direct fluid under pressure to the other end of said chamber whereby said piston will be moved toward said one end of said chamber.

2,470,088
PURIFICATION OF CRUDE MONOFLUORODICHLOROMETHANE
Anthony F. Benning and Robert C. McHarness, Woodstown, N. J., and William S. Murray, Wilmington, Del., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application February 25, 1947, Serial No. 730,744
16 Claims. (Cl. 260—653)

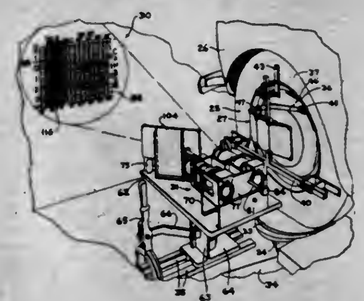
1. The process for purifying crude monofluorodichloromethane contaminated with a minor proportion of acidic substances including at least 0.1% of sulfur dioxide and not more than 2% of other acidic substances, which comprises passing a stream of the crude monofluorodichloromethane through and in intimate contact with an aqueous solution of sodium sulfite initially containing from about 10% to about 20% of sulfite and having a pH substantially above 7 but not above 10, and maintaining the pH of the solution between 7 and 10 by the periodic addition thereto of aqueous sodium hydroxide containing from 5% to 20% NaOH.

2,470,089
METHOD OF MOLDING PLASTIC SHOES
Jack J. Booth, Dallas, Tex.
Application September 28, 1944, Serial No. 556,183
3 Claims. (Cl. 18—59)



1. The method of forming a shoe having a combined and integral sole, heel, and upper, which consists of introducing into a mold at separate points quantities of plastic materials possessing varying characteristics but possessing the common property of uniting together and of molding the plastic into an unitary shoe structure including said sole, heel and upper; and forming openings in said upper at predetermined points during the forming operation.

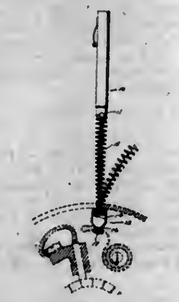
2,470,090
DEVICE FOR OPTICALLY CHECKING DIRIGIBLE WHEELS
Tracy Carrigan, Herbert G. Holmes, and Clyde A. Shoemaker, Lansing, Mich., assignors to Food Machinery and Chemical Corporation, a corporation of Delaware
Application January 5, 1945, Serial No. 571,716
14 Claims. (Cl. 88—14)



7. An apparatus for measuring an alignment characteristic of one of a pair of dirigible wheels, which comprises: a mirror mounted on said wheel and facing laterally therefrom; a base mounted for rectilinear movement laterally towards and away from said mirror in a direction having a fixed orientation relative to the line passing through the centers of said wheels; a screen spaced from said base and disposed approximately parallel with said direction; means providing a chart on said screen; and optical means on said base for projecting a pair of converging beams of light against said mirror, each beam having a fixed orientation relative to said direction, and causing reflections of said beams to

fall upon said screen whereby a cross-hair image is produced by one beam and a locator image is produced by the other beam, said chart embodying calibrations so that when said base is shifted in said direction to bring about a predetermined relation on said screen between said cross-hair and locator images, a proper spaced relation will have been accomplished between said base and said wheel mirror, as a result of which, with the wheel turned in a predetermined angular relation with said line, the location of said cross-hair image with respect to said calibrations will indicate quantitatively the amount of said alignment characteristic.

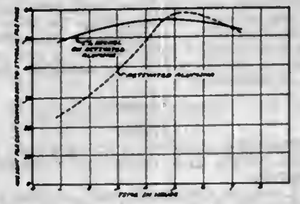
2,470,091
GENERATOR BRUSH TOOL
Robert K. Clark, United States Army, St. Paul, Minn.
Application April 10, 1948, Serial No. 661,046
1 Claim. (Cl. 29—228)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A tool for lifting the brush spring of a dynamo electric machine of the general character described, comprising a handle body having a tapered helical spring extended therefrom, said spring having a normally rectilinear axis, but being extensible and flexible under stress of a brush spring, and for swinging movement of the handle laterally of a generator case opening while a brush spring is supported by the tool, said spring having a brush-spring-engaging head at its extremity comprising a substantially L-shaped rigid body having its shank portion secured coaxially to the extremity of said spring, two parallel closely spaced lateral arms being formed at the outer extremity of the head and spaced from each other in a plane coincident with the axis of said shank to receive a convolution of a spring therebetween.

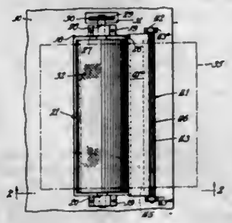
2,470,092
DEHYDROGENATION PROCESS
Ben Bennett Corson and George Arthur Webb, Pittsburgh, Pa., assignors, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa., a corporation of Delaware
Application October 9, 1944, Serial No. 557,914
11 Claims. (Cl. 260—666.3)

1. In a process for dehydrogenating hydrocarbons over a catalyst in the presence of water vapor, the step for reducing the water vapor induced catalyst induction period, comprising: passing the mixture of hydrocarbon and water vapor in the molecular ratio less than 1:4 into



contact with a dehydrogenation catalyst containing at least 75% alumina impregnated with 1% to 3% nickel by weight at a temperature of 500° to 750° C.

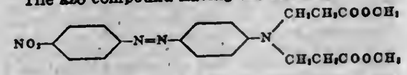
2,470,093
APPARATUS FOR APPLYING WAX TO THIN SHEETS
Havy Q. B. Crowder, Altadena, and Edward A. Bronson, Pasadena, Calif.
Application August 6, 1945, Serial No. 609,064
2 Claims. (Cl. 91—51)



1. Apparatus for applying a coating of wax to a very thin sheet of transparent cellulose acetate, embodying the combination with a heated reservoir for hot liquid wax, of a metal roller mounted for rotation partially in said liquid wax, and a thin highly porous seamless textile covering of sheer hosiery material on said roller, said covering serving as a medium for transferring a film of wax from the reservoir to the sheet when drawn over said roller while the roller is rotating.

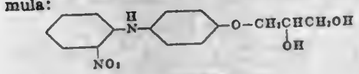
2,470,094
MONOAZO DYE
Joseph B. Dickey, Rochester, N. Y., and James G. McNally, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 23, 1945, Serial No. 579,494
1 Claim. (Cl. 260—205)

The azo compound having the formula:

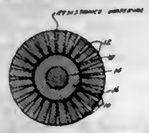


2,470,095
DIPHENYLAMINE COMPOUNDS
Joseph B. Dickey, Rochester, N. Y., and James G. McNally, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 5, 1945, Serial No. 597,710
1 Claim. (Cl. 260—571)

The diphenylamine compound having the formula:

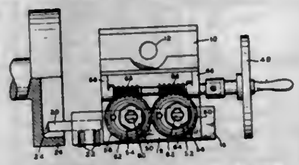


2,470,096
COMMUTATOR
Myron Y. Eck, Dayton, Ohio
Application December 12, 1945, Serial No. 634,479
13 Claims. (Cl. 171—321)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



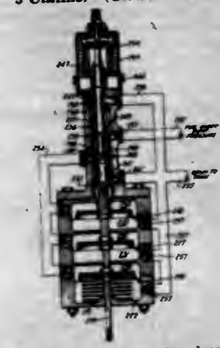
1. A commutator comprising a plurality of conducting bars arranged in spaced relationship with respect to one another, and means for electrically connecting each bar with an adjacent bar, said means comprising a molded high resistance element containing conductive material dispersed uniformly throughout insulating material, said element being in contact with each of said adjacent bars so as to provide a high resistance conducting path between said bars of substantially the same resistance at all normal operating temperatures of a motor or generator and of such a value as to suppress radio interference which would otherwise occur from commutation.

2,470,097
RADIUS FORMING DEVICE
Joseph G. Goulette, Newmarket, N. H.
Application September 27, 1945, Serial No. 619,002
4 Claims. (Cl. 82—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



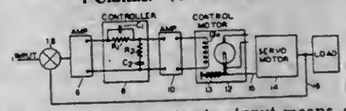
1. In a radius forming device, a base, a tool holder mounted for orbital movement on said base, a pair of sleeves rotatably mounted on said base each of said sleeves having a socket therein formed eccentrically with respect to its axis of rotation, a crank mounted in each of said sockets for adjustment in rotation whereby the eccentricity of said crank can be varied, and means for rotating said sleeves in synchronism with each other, said means comprising gears fixed to said sleeves and a worm meshing with said gears.

2,470,098
CHARGE FORMING DEVICE
Frank C. Mock, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 20, 1944, Serial No. 564,287
3 Claims. (Cl. 261—39)



3. A pressure-feed carburetor having an air-intake passage provided with a main venturi made up of movable sections and a fixed boost venturi coacting with the main venturi, a fuel flow passage having a metering restriction therein, means for supplying fuel under pressure to said passage, a fuel valve controlling the admission of fuel to said passage to thereby regulate the metering head, means for regulating said valve including an air diaphragm subjected to the differential between air-intake pressure and Venturi suction and a fuel diaphragm subjected to the differential between metered and unmetered fuel, a pair of rotatable shafts mounting said Venturi sections, power means operatively connected to said shafts including an hydraulic servomotor having a pressure connection with the fuel passage anterior said valve, a servo valve for regulating the flow of fuel to said servomotor, and means responsive to changes in density of the ambient air for controlling said latter valve.

2,470,099
SERVO MECHANISM
Albert C. Hall, Boston, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York
Application October 31, 1944, Serial No. 561,312
7 Claims. (Cl. 121—41)



2. A servomechanism having input means, output means, error-measuring means responsive to instantaneous differences between the input means and the output means for generating an error signal as a function of said differences, an amplifier through which the error signal is fed from the input means to the output means, and a compensating system comprising a high- and low-pass filter for operating on the signal to produce a phase-lag at low frequencies for the integral control and a phase-lead at frequencies above a predetermined frequency to partially

compensate for lag-producing elements of the servomechanism, the compensating system having a transfer-function represented by the product of terms of the form

$$\frac{1+\tau_1\alpha_1 s}{1+\tau_1 s} \text{ and } \frac{1+\tau_2 s}{1+\tau_2\alpha_2 s}$$

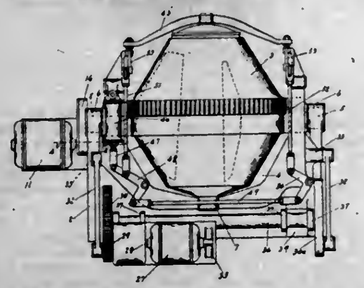
where s is a term representing frequency, and the τ and α terms are the time constants and attenuations of the lead and integral controls, respectively.

2,470,100

DOOR OPERATING MECHANISM FOR MIXERS

Ferdinand H. Heine, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation

Original application August 31, 1944, Serial No. 552,101. Divided and this application July 17, 1945, Serial No. 605,502
4 Claims. (Cl. 259—161)



1. In a mixing machine, a mixing drum provided with an opening for passage of the material relative to the drum, a door for closing said opening, and means for effecting initial bodily planar movement of the door from the drum opening to separate the door from the drum, including a crosshead on which the door is supported, actuating rods connected at one end to said crosshead, pivoted rocker sleeves, one receiving each of the actuating rods, a lever for each of said rods, a moving member connecting each lever to its associated rod between the rocker sleeve and the crosshead, stops at the other ends of the actuating rods to limit longitudinal movement of said actuating rods, rest, guide and stop members coacting with the actuating rods to guide their longitudinal movement and limit swinging movement thereof in one direction, and means to rock said levers to initially shift the actuating rods longitudinally to cause the door to separate from the drum, and to rock the said sleeves to swing the rods and thereby the door, laterally respecting the drum opening so as not to obstruct the passing of material through the latter.

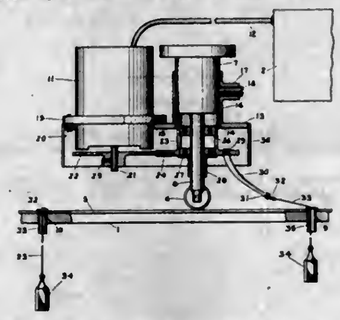
2,470,101

ACTUATING MEANS FOR SIMULATED RADIO COMPASS ON AVIATION TRAINERS

Frans O. Ibisch, United States Navy, Columbus, Wis.

Application May 5, 1945, Serial No. 592,152
5 Claims. (Cl. 35—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An apparatus for instructing instrument navigation of aircraft including an aerial chart having a plurality of openings representing short-wave radio transmitters, an indicator representing an aircraft movable relative to said chart, means operable by a student for moving the indicator, a device simulating a radio compass, a teletorque device having an electrical generator movable with the indicator, the radio compass device having a motor electrically connected to and synchronized with the teletorque generator whereby the reading of said compass device is adjusted by actuation of said generator, a freely-



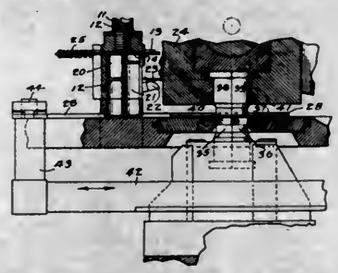
rotatable gear carried by and axially alined with the indicator, a weighted line having connection with the gear and adapted to extend through any one of the chart openings for orienting said gear relative to the opening, and a second gear in constant mesh with the freely-rotatable gear and driven by the rotation thereof, the second gear having connection with the teletorque generator for varying the output of the same and actuating the radio compass device motor to determine the reading of said compass device.

2,470,102

CONVERSION UNIT FOR COINING PRESSES

William Peter Kruse, San Francisco, and Joseph Wynn Steel, Alameda, Calif.

Application March 23, 1945, Serial No. 584,482
1 Claim. (Cl. 78—99)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A coining press including a single stock coin-blank magazine, a reciprocating feeding means for withdrawing a blank from said magazine successively on each forward and return stroke of said means, a pair of spaced receiving magazines into each of which said feeding means deposits a single blank on each of said strokes, blank

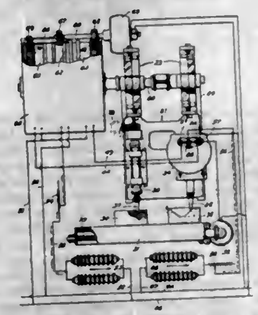
transfer means movable to one position on which said receiving magazines simultaneously deliver a pair of blanks, a pair of lower coining dies, a plunger, a pair of upper dies on said plunger, means moving said blank transfer means to another position for delivering said pair of blanks onto said lower coining dies on each cycle of operation for simultaneous coining of said blanks, a bell crank connected to said reciprocating feeding means for moving said feeding means forward to transfer a blank into one of said magazines and spring means for returning said feeding means for depositing a blank into the other of said receiving magazines and means on said plunger for engaging and operating said bell crank on the down stroke of said plunger whereby the movement of the bell crank deposits one blank on the down stroke of said plunger and said spring operates to deposit another blank on the upstroke of said plunger.

2,470,103

POWER-OPERATED DRIVING AND BRAKING MECHANISM

Emil R. Lochman, Milwaukee, Wis.

Application August 30, 1941, Serial No. 409,095
31 Claims. (Cl. 192—18)



1. A device of the character described comprising a source of current including means for intermittent interruption thereof and an electromagnetic clutch supplied with said current and comprising electromagnetic means, clutch disks, and levers engaging said disks and having free end portions exposed to the magnetism of said means and spring pressed to vibrate between clutch engaging and disengaging positions subject to the intermittent electromagnetic flux.

2,470,104

BATTERY POST CLAMP

Harry R. Martin, Des Moines, Iowa

Application April 20, 1942, Serial No. 439,789
7 Claims. (Cl. 173—259)



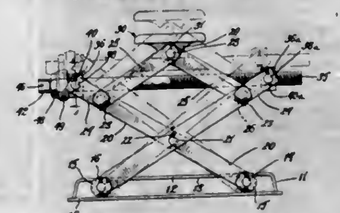
3. A battery post clamp comprising a frame having generally parallel members and a portion connecting said parallel members said latter portion engaging one side of a battery post when in operative position, guide structure on the adjacent faces of said parallel members, a jaw slidably received in said guide structure and engaging the opposite side of said battery post when in operative position, a plunger also slidably received in said guide structure, having in its side wall structure an elongated cut-out disposed in the direction of the depth of said plunger, which is also the direction of the depth of said frame, said cut-out being enlarged at its base end in the direction of the forward end of said plunger, and the top of said enlarged portion being inclined downwardly and forwardly from the forward wall of the unenlarged portion of said cut-out, a resilient connection connecting said jaw to said plunger, a crank having its crank pin journaled in one of said parallel frame members and having its crank shaft received in said cut-out, the arrangement being such that the point at which said crank pin is journaled in said frame member is more adjacent the unenlarged end of said cut-out, considering the depth direction only, than is the enlarged end of said cut-out, and a lever connected to said crank.

2,470,105

PORTABLE LIFTING JACK

Merrill M. Murphy, Marathon, N. Y., assignor to The Marathon Manufacturing Co., Marathon, N. Y., a corporation of New York

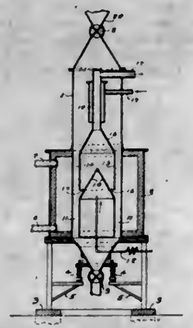
Application February 23, 1946, Serial No. 649,715
1 Claim. (Cl. 254—126)



A portable lifting jack, comprising a base plate adapted to be placed on a supporting surface, a lazy-tong structure comprising counterpart spaced lattices, each including a lower pair of crossed links, an upper pair of links having their upper extremities arranged alongside each other and their lower extremities arranged alongside the upper ends of said lower pair of links and parallel pivot pins connecting said upper extremities of said upper pair of links, said lower extremities of said upper pair of links with said upper ends of said lower pair of links and said crossed parts of said lower pair of links and holding said lattices in spaced relation, a pair of axles each secured to the lower ends of the corresponding lower pair of links parallel with said pivot pins, rollers supporting said axles and riding upon the upper surface of said base plate, a U-shaped retaining strap arranged between and parallel with said lattice and having a straight horizontal part arranged parallel with said base plate immediately above said axles and having depending ends secured to opposite extremities of said base plate beyond said axles, each link of said lower pair of links being extended upwardly beyond its pivotal connection with the corresponding link of said upper pair of links to provide link extensions projecting outwardly from said lazy-tong structure, a nut secured between the said extensions at one side of said lazy-tong structure, an apertured block pivotally secured bvetween the said extensions at the other side of said lazy-tong structure.

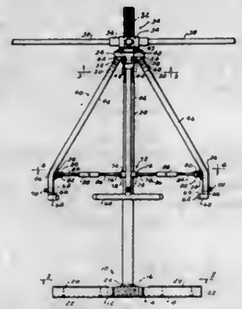
a screw having a threaded portion screwed into said nut and an unthreaded portion rotatable in the aperture of said block, a thrust bearing interposed between said screw and block whereby upon turning said screw said nut and block are moved toward and from each other to expand and contract said lazy-tong structure, a supporting head having apertured depending ears embracing the pivot pin connecting the upper ends of said upper pair of links, said screw being disposed immediately above said U-shaped strap and the pivot pins connecting said upper and lower pair of links, and said ears of said supporting head straddling said screw in the extreme collapsed condition of the jack.

2,470,106
PROCESS FOR REDUCING IRON ORES
Vernon F. Parry, Golden, Colo.
Original application April 20, 1945, Serial No. 589,450. Divided and this application October 7, 1946, Serial No. 701,634
1 Claim. (Cl. 75—34)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



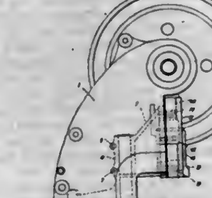
The endothermic chemical reaction process, which comprises stage heating a mixture of iron ore suitably sintered or briquetted and a non-caking solid carbonaceous material having gas forming and liquefiable constituents, along a vertically-ranging course sealed from the atmosphere through which it passes by gravity: by first feeding the mixture downwardly into an annular preheating zone of relatively large superficial area in said course while directing heated gases centrally upward through said annular zone in heat-transfer and physically separated relation to descending solids, next directing the descending solids into a second annular heating zone of lesser superficial area than the first said zone, subjecting the solids in said second zone to the heat-transfer action of heated gases contacting the central and the outer boundary of the said second annular heating zone such that the temperature of the mixed solids and reactants is raised to the range of 1800° to 2150° F., causing evolved gases to travel concurrently with said solids throughout substantially the vertical extent of said second zone, passing said evolved gases into said central area at the bottom of said second zone to permit their ascent in heat-transfer relation to the descending material, then directing the descending solids into a third annular heat-transfer zone and then causing relatively cool carrier gases to pass through descending solids in said third zone in a direction countercurrent to the solids movement therein to extract heat units and evolved gases therefrom.

2,470,107
COLLAPSIBLE TIRE REMOVER
Frank Piacenti, New York, N. Y.
Application September 18, 1945, Serial No. 617,160
1 Claim. (Cl. 157—1.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



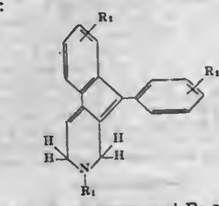
A foldable portable apparatus for breaking the beads of pneumatic tires loose from their rims, which comprises, in combination, a four-legged base for supporting the underside of the tire and rim assembly, two opposite legs being integral and the other two being detachable for laying alongside the first in transportation, a removable column extending upwardly from said base, pressure distributing means which consists of a thrust bearing retainer slidable vertically on said column, a thrust bearing in said retainer, circumferentially spaced hinge means carried by said thrust bearing retainer, a series of legs having the upper ends hinged to said hinge means and the lower ends swingable toward and away from said column, arcuate shoes removably secured to the lower ends of said legs, a brace support in the form of a collar slidable vertically on said column, circumferentially spaced hinge means on said brace support, hinge means on said legs near the lower end, braces for connecting the hinge means of the brace support to the hinge means at the lower ends of said legs, whereby said apparatus may be folded umbrella fashion, turnbuckles in said braces, whereby said swingable legs and the arcuate shoes may be adjusted radially so as to just miss the rim and engage the side wall of the tire, a pressure applying assembly which consists of a pressure applying nut threadedly engaging the upper end of said column above said thrust bearing retainer, and removable handles for rotating said nut.

2,470,108
HETEROCYCLIC AMINES
John Thomas Plati, Passaic, and Wilhelm Wenner, Montclair, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application January 11, 1947, Serial No. 721,672
3 Claims. (Cl. 260—297)
1. A 2-alkyl-9-(alkoxy-phenyl)-alkoxy-dihydro-1-pyridindene corresponding to the following formula and its salts:



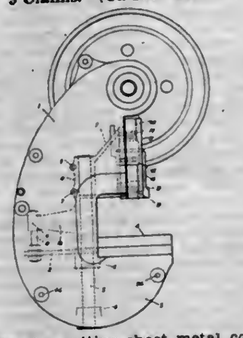
R_1 being an alkyl group and R_2 and R_3 being alkoxy groups.

2,470,109
HETEROCYCLIC AMINES
John T. Plati, Passaic, and Wilhelm Wenner, Montclair, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application April 30, 1947, Serial No. 745,110
22 Claims. (Cl. 260—290)
1. A compound selected from the group consisting of a 2-alkyl-9-phenyl-dihydro-1-pyridindene, the corresponding hydrogenated compounds, and the salts, said 2-alkyl-9-phenyl-dihydro-1-pyridindene being represented by the formula:



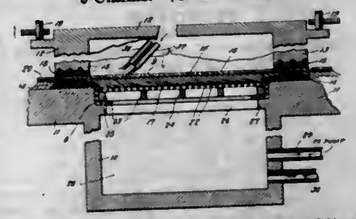
R_1 being an alkyl group, and R_2 and R_3 being a member of the group consisting of hydrogen, alkyl and alkoxy radicals.

2,470,110
PRESS FOR CUTTING SHEET METAL
Charles Joseph Rhodes, Wakefield, England
Application January 17, 1947, Serial No. 722,653
In Great Britain November 6, 1946
5 Claims. (Cl. 164—102)



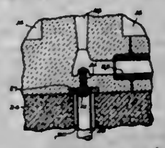
1. A press for cutting sheet metal comprising an upright C-shaped frame, a work table supported by the lower part of said frame, a plurality of upright pillars supported by the lower part of said frame at points below said work table and extending above said work table, a bracket carried on said pillars above said work table, a plurality of upright part-cylindrical members rigidly secured to said bracket, and a ram having a plurality of grooves of part-circular cross-section formed therein, said grooves co-operating with and sliding on said part-cylindrical members to guide said ram for reciprocation.

2,470,111
METHOD FOR BETTERING PELTS AND HIDES
George A. Rublssow, New York, N. Y.
Application March 24, 1945, Serial No. 584,565
3 Claims. (Cl. 117—119)



1. A method of preventing the shedding of hairs from pores of furs and of hairy hides of animals comprising: first applying a layer of rubber containing solution on the smooth side of said furs and said hairy hides, second providing a lower gas pressure on the hairy side of said furs and said hairy hides than the pressure on said smooth side, thereby forcibly introducing said solution into said pores, third curing said furs and said hairy hides thereby vulcanizing said solution.

2,470,112
CERAMIC NOZZLE FOR REGENERATIVE UNDERJET COKE OVENS
Walter Clarence Rueckel, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application June 26, 1944, Serial No. 542,161
4 Claims. (Cl. 202—142)



1. In an underjet coke oven, a distribution system for delivering a combustion-medium into the underfiring system of said coke oven, comprising: a header-pipe having a plurality of outlets therealong; pipe-connections at a region so remote from the active combustion zone of the underfiring system of the oven as to be unaffected by the heat of active combustion in the combustion zone, for delivering said combustion-medium from said header-pipe outlets to different points in conduit means of said coke-oven underfiring system; and a device normally operative solely for regulating the inflow of said combustion medium from said header-pipe through a said pipe-

connection, and in which said device comprises, a ceramic body that is of lesser cross-section than said pipe-connection and has a duct extending therethrough disposed for passing combustion-medium from said header-pipe into said conduit means of the coke-oven underfiring system and also has a surficial shoulder disposed for engagement by supporting means for said body, a bushing-like member having a threaded section on both its external and internal walls and also on the latter wall a surface adapted to register with said surficial supporting-shoulder of said ceramic body, and an externally threaded annulus that is disposed for rotation in said threaded section on the internal wall of the bushing-like member to hold said surficial shoulder of the ceramic body in registry with said internal surface of said member.

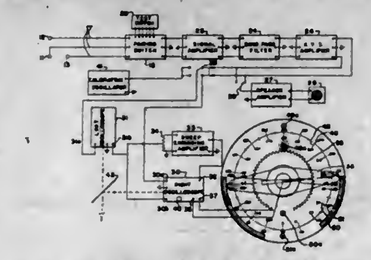
2,470,113
FURNITURE
Harry Sebel, London, England
Application April 3, 1946, Serial No. 659,291
In Great Britain January 28, 1946
2 Claims. (Cl. 155—194)



1. A chair of the stacking type comprising a pair of inverted U-shaped members forming the frame and legs of said chair, one of said members having its legs at a wider spacing than the other of said members and positioned outwardly of the respective legs of said other member and extending in crossing relation thereto, said legs at each side of said chair being rigidly joined at their points of crossing by connecting members the exterior dimensions of which are wholly confined within the spaces between said legs at the crossings thereof, and a laterally bent sheet of self-sustaining springy material attached at its opposite ends to the U-shaped members at the closed ends thereof and being free of attachment along its side edges, said sheet also being laterally spaced from the sides of the back-supporting portion of said frame to provide for passing the legs of narrower spacing of a similar chair between the lateral edges of said sheet and the sides of said back-supporting portion to permit stacking said chairs in vertically superposed relation.

2,470,114
OPTICAL SOUND BEARING SYSTEM
Robert M. Sherwood and Robert J. Urick, San Diego, and Leo P. Delsasso, Los Angeles, Calif.
Application July 12, 1946, Serial No. 683,194
10 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An impulse direction determining system comprising three energy pick-ups arranged at the apices of a right isosceles triangle, means for selecting alternative pairs of pick-ups in accordance with the direction of energy impulses received thereby, and optical means for determining the difference in time of arrival of an impulse at the selected pair of pick-ups.



2,470,115
ORGANIC POLYSULFIDES
William D. Stewart, Yonkers, N. Y., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 13, 1945, Serial No. 599,310
5 Claims. (Cl. 260—17.5)

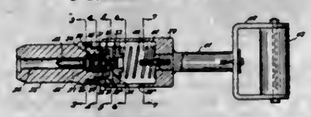
1. The method of producing a stable dispersion containing polyethylene polysulfide particles of a size no greater than about 1 to 3 microns in diameter dispersed in an aqueous medium which comprises preparing an aqueous reaction mixture containing in addition to the aqueous medium only an ethylene dihalide, a water-soluble polysulfide and a lignin sulfonate, and agitating the said reaction mixture while maintaining its temperature between room temperature and about 60° C.

2,470,116
SEPARATION OF COMPOUNDS BY CRYSTALLIZATION
Wojciech Swietoslawski and John R. Anderson, Pittsburgh, Pa., assignors to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application October 19, 1946, Serial No. 704,534
4 Claims. (Cl. 260—674)

1. A method of separating the components of a binary eutectic composed of alpha- and beta-ethyl naphthalene comprising: melting the eutectic mixture with betanaphthol, cooling the melted mixture to a temperature to crystallize the beta-ethylnaphthalene as a solid solution, said temperature being above the eutectic temperature, separating the precipitated solid solution of beta-ethylnaphthalene and betanaphthol from the mother liquor, adding the separated crystals to another solid solution having a concentration of betaethylnaphthalene at least equal to the concentration of the betaethylnaphthalene in the solid solution separated, adding more betanaphthol to the solid solution and re-crystallizing the concentrated solid solution a sufficient number of times to enrich the precipitate in beta-ethylnaphthalene and to enrich the mother liquor in alphaethylnaphthalene, removing by extraction betanaphthol from the solid solution composed of betaethylnaphthalene and betanaphthol and from the mother liquor composed of betanaphthol and alphaethylnaphthalene, separating the enriched betaethylnaphthalene and the alpha-

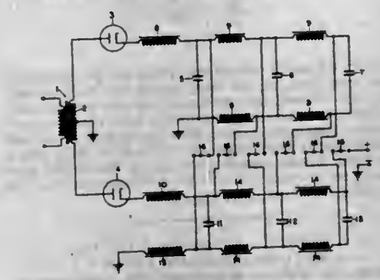
ethylnaphthalene from the extracted solid solution and mother liquor by crystallization, and returning eutectic recovered by the crystallization separation to the original melting step for further treatment.

2,470,117
GUN AND PROJECTILE THEREFOR
Stanley A. Temple, Cleveland, Ohio, assignor, by mesne assignments, to Portable Industries, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 24, 1943, Serial No. 511,637
3 Claims. (Cl. 89—1)



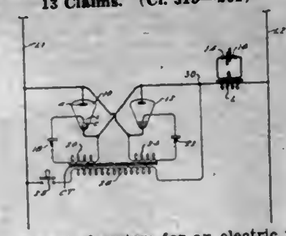
1. In a gun having a barrel provided with an outwardly extending shoulder at the inner end of its bore and also having means for supporting a cartridge rearwardly of said shoulder and in line with the bore and also having means for firing said cartridge, a projectile having a head for disposition in said barrel bore and having an outwardly extending shearable flange connected to and surrounding said head at the rear end thereof for seating engagement against the barrel shoulder ahead of the cartridge, to thereby normally prevent advance of the projectile forwardly through the barrel bore, the rear end of said projectile head surrounded by said projectile flange being recessed to a depth less than the depth or thickness of said flange and to a diameter substantially equal to the diameter of the head, to thereby facilitate the shearing of the flange from the projectile head upon the firing of the cartridge.

2,470,118
VOLTAGE MULTIPLIER
John B. Trevor, Jr., Clinton, Md.
Application December 14, 1943, Serial No. 514,293
5 Claims. (Cl. 321—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



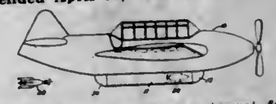
1. A voltage multiplier including a pair of rectifiers operatively connected to an alternating supply for alternate conduction in successive half cycles, a Marx storage capacity network fed by each rectifier, the capacitors of both networks being dynamically isolated from one another and means for discharging the capacitors in series periodically after charging of the networks on successive half cycles.

2,470,119
ELECTRICAL CONTROL SYSTEM
Gustav E. Undy, Detroit, Mich., assignor to Weltronic Company, Detroit, Mich., a corporation of Michigan
Application December 15, 1944, Serial No. 568,317
13 Claims. (Cl. 315—201)



1. In a control system for an electric valve of the immersed igniter mercury pool type, having principal electrodes, and disposed to abruptly change from a non-conductive to a conductive condition in response to the application of a critical potential to said igniter for controlling the flow of current between a source of supply and a load, the combination of an electrical translating device adapted to supply said critical potential, means including unidirectionally conductive means for coupling said translating device between said igniter and one of said principal electrodes, control means for controlling the energization of said translating device and having a first control position in which said translating device is enabled to supply said critical potential, and means responsive to a conductive condition of said valve for reducing the energization of said translating device to a potential not in excess of the potential between said principal electrodes.

2,470,120
METHOD OF BOMBING FROM FAST MOVING PLANES
Brooks Walker, Piedmont, Calif.
Application May 6, 1943, Serial No. 485,840
3 Claims. (Cl. 89—1.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

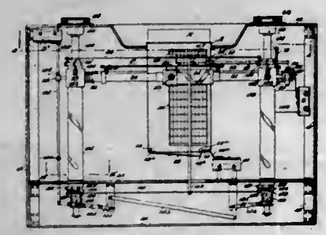


1. The method of bombing a target from an airplane in flight which comprises jet propelling a bomb from the airplane when substantially directly above the target with a horizontal velocity substantially equal and opposite to the horizontal velocity with which the airplane is passing over the target, said jet propelling means acting for a substantial period of time after said bomb leaves the support of said airplane.

2,470,121
AUTOMATICALLY CONTROLLED MARKER TO RECORD MOVEMENT AND MEANS TO PROVIDE RELATIVE VALUES
Asa W. Walker, Buffalo, N. Y.
Application July 1, 1944, Serial No. 543,178
21 Claims. (Cl. 346—62)

1. In an apparatus of the character described having a holder for a record element, and a

marker, one of which elements is shiftable for placing the marker in different operative locations relatively to the record element, and means for causing the marking of said record element by said marker in any of said different operative locations, the improvement comprising a motor-driven mechanism which advances said shiftable element to different positions in one direction relatively across the face of the record element, a second mechanism which advances said shiftable element in a second direction relatively



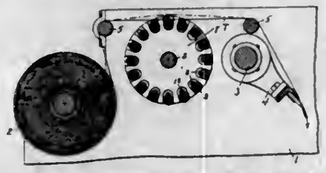
across the face of the record element, means operating when said shiftable element has advanced a predetermined distance in said first direction to reverse the travel of said shiftable element, means operating upon each reverse travel of said shiftable element to a predetermined position to actuate said second mechanism for advancing the shiftable element in said second direction, and means operating upon a predetermined advance of said shiftable element in said second direction to return the shiftable element to the initial position.

2,470,122
GARMENT CLASP
Arthur Weis, Chicago, Ill.
Application May 19, 1945, Serial No. 594,759
10 Claims. (Cl. 24—248)



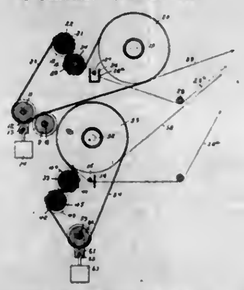
1. In a garment engaging clasp, the combination with a body member, of a transversely extending flange formed on said body member, a toggle actuator lever pivotally connected to said body member, a clamping member associated with said body member, said clamping member having a lower engaging edge to cooperate with said transversely extending flange to yieldingly grasp a garment therebetween, a floating pivotal connection between said toggle lever and clamping member, and spring means associated with said floating pivotal connection to establish yielding engagement of said clamping member engaging edge against said body flange responsive to displacing said toggle actuator lever.

2,470,123
THREAD TENSION MECHANISM
George O. Young, Robesonia, Pa., assignor to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania
Application December 26, 1946, Serial No. 718,487
1 Claim. (Cl. 66—86)



A thread take-up device comprising a rotatable shaft, discs on said shaft, a plurality of rods mounted on said discs parallel to said shaft, and means by which said rods may be individually adjusted to greater or lesser distances from said shaft, and said means including radial grooves in the discs into which the ends of said rods set, and cap screws passing through radial slots in said discs into the ends of said rods.

2,470,124
THREAD LETOFF FEEDING MECHANISM
George O. Young, Robesonia, Pa., assignor to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania
Application September 2, 1947, Serial No. 771,618
9 Claims. (Cl. 66—86)

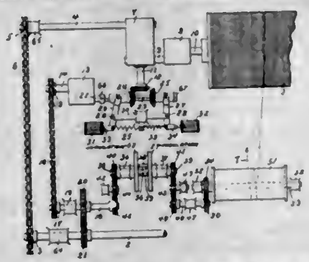


1. In a thread let-off mechanism, in combination with a beam, an endless driving belt taking over the thread on the beam, means for driving said belt at a fixed linear speed, means for maintaining tension on said belt by virtue of all of which the thread leaves the beam at the same constant linear speed as that of the belt, and means to by-pass the belt with the thread that is unrolled from beneath the belt.

2,470,125
AUTOMATIC BEAM LETOFF
George O. Young, Robesonia, Pa., assignor to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania
Application September 2, 1947, Serial No. 771,620
7 Claims. (Cl. 66—86)

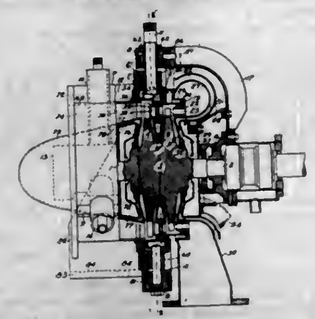
4. In a beam let-off for a knitting machine which has a beam and a first motion shaft; the improvement which comprises a power transmitting connection between said shaft and the beam, which connection includes an infinitely variable

speed changing unit having an adjusting shaft; a pilot drum around which thread from the beam passes; and electro-magnetically operated means controlled by speed differentials between the first



motion shaft and the pilot drum for operating said adjusting shaft to effect a constant linear speed to be imparted to the thread leaving the beam.

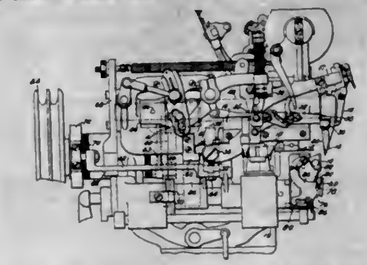
2,470,126
TURBINE CONSTRUCTION
Hans A. Altorfer, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application December 5, 1942, Serial No. 467,964
18 Claims. (Cl. 60—41)



17. In a turbine structure having a rotor and a rotor enclosing casing including a coaxially arranged nozzle structure, means enclosing the inlet portion of said structure comprising an annular motive fluid conducting manifold, and at least one flexible wall coaxially uniting said manifold and nozzle structure for relative radial expansion and contraction.

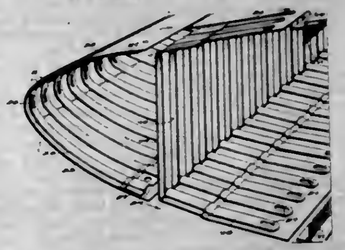
2,470,127
ROUGH ROUNDING MACHINE
Corwin W. Baker, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 24, 1948, Serial No. 16,783
4 Claims. (Cl. 12—85)

1. In a rounding machine, a knife, a guide for positioning a shoe relatively to said knife to determine the sole-edge extension, said guide being arranged to engage the upper margin of the sole in the welt-crease, a bottom-rest constructed and arranged yieldingly to hold the shoe against said guide, an anvil against which said knife cuts and arranged to support the margin of the sole outwardly thereof from said guide, means for moving said bottom-rest and guide through a feeding stroke in one direction and a return stroke in the opposite direction, and



means for reciprocating said knife and anvil toward and away from each other at the beginning of the return and feeding strokes respectively of said guide and bottom-rest whereby the sole is trimmed and its pressure against said guide is relieved by said anvil during the return stroke of said guide.

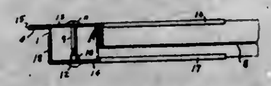
2,470,128
AIRPLANE WING LEADING EDGE CONSTRUCTION
Ray E. Barrick, Baltimore, and Ayers Morison, Brooklandville, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application October 7, 1947, Serial No. 778,406
3 Claims. (Cl. 244—134)



1. An airplane wing construction including upper and lower sheet metal skins, a channel member extending spanwise of the wing secured to said upper and lower skins with the forward edges of said skins partially overlapping the sides of said channel member, said channel member having transverse corrugations formed therein, the rear end of the corrugations in the sides of said channel having apertures formed therein affording open communication with the interior of the wing, a nose portion removably secured to said channel member including a U-shaped smooth outer skin having the edges thereof abutting the edges of said upper and lower wing skins, a corrugated under skin for said nose portion secured thereto, the open ends of the corrugations of said under skin nesting in the corrugations of the sides of said channel member, orifice means formed in the corrugations of said under skin which afford communication between the interior of the said

U-shaped nose portion, through the passages formed by said corrugations, and the interior of said wing.

2,470,129
SCREEN
Robert E. Bemis and James C. McMillan, Houston, Tex.
Application October 12, 1945, Serial No. 621,980
3 Claims. (Cl. 160—327)



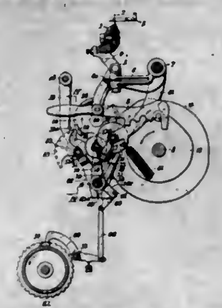
2. In a screen, a frame member formed of sheet material bent into approximately rectangular form in cross-section, one of the free margins of said sheet being formed with a longitudinal V-groove opposite the other margin, clamp bolts extending transversely through the frame member for drawing the sides of the frame member towards each other to seat said other margin into said groove and a screen sheet having a margin thereof clamped in said groove.

2,470,130
CAUSTIC RESISTANT ETHERIFIED PHENOL-FORMALDEHYDE RESINS
Howard L. Bender and Alford G. Farnham, Bloomfield, N. J., assignors to Bakelite Corporation, a corporation of New Jersey
No Drawing. Application February 7, 1945, Serial No. 576,702
6 Claims. (Cl. 260—14)

1. Process of treating a condensation product of from 1.2 to 2.0 mols of formaldehyde with a mol of a phenol reactant selected from the group consisting of phenol and methyl-substituted phenols, said phenol reactant containing at least 40 per cent of a phenol having open the positions on the ring that are ortho and para to the phenolic hydroxyl, in the presence of a catalyst selected from the group consisting of the oxides of zinc, magnesium and aluminum, which comprises etherifying under alkaline conditions above 50 per cent of the arylhydroxy groups present in the product by reacting the condensation product with one of the group consisting of methyl sulfate, ethyl sulfate, benzyl chloride and allyl chloride, and acidifying the etherified product with an acid selected from the group consisting of sulfuric, sulphonic, phosphoric and oxalic acids for imparting heat-harden ability to a caustic resistant condition.

2,470,131
LOOP REGULATING MECHANISM FOR STRAIGHT KNITTING MACHINES
Emil J. Berger and Howard K. West, Lansdale, Pa., assignors to Dexdale Hosiery Mills, Lansdale, Pa., a corporation of Pennsylvania
Application February 12, 1948, Serial No. 7,806
4 Claims. (Cl. 66—82)

1. Loop regulating mechanism for straight knitting machines having a loop regulating shaft with an affixed arm arranged to be actuated by a rotary cam on the cam shaft of the machine, a second arm on the loop regulating shaft contacted by an abutment on a press arm arranged to be actuated by a press cam on the cam shaft, and a lever on the press cam having a pivotal connection at its outer end with the corresponding end of a freely fulcrumed swing lever arranged to be actuated by coaction laterally with circumferentially spaced projections of a rotary cam on a separate cam shaft; wherein the pivotal

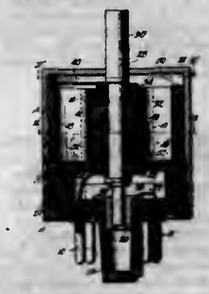


connection aforesaid comprises a pin which is rotatively adjustable in the end of one of the levers and which has an eccentric portion engaged in the end of the other lever.

2,470,132
WELL WASHING FLUID AND METHOD OF USING THE SAME
William E. Bergman, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application August 18, 1947, Serial No. 769,315
3 Claims. (Cl. 252—8.55)

1. The process of washing an oil or gas well containing a well drilling mud comprising the steps of replacing the drilling mud in the well with a well washing fluid substantially free of suspended solid material and comprising water, 1 to 5 per cent by weight of a water soluble salt of a carboxyalkyl cellulose ether and 1,000 to 25,000 P. P. M. of a metallic halide selected from the group consisting of alkali metal halides and alkaline earth metal halides.

2,470,133
MULTIPLE CRYSTAL HOLDER
Robert J. Bitner, Kansas City, Mo., assignor to Gasket Engineering Co., Inc., Kansas City, Mo., a corporation of Missouri
Application December 16, 1946, Serial No. 716,501
6 Claims. (Cl. 171—327)



1. In a multiple crystal holder, a body of insulating material provided with a plurality of wells

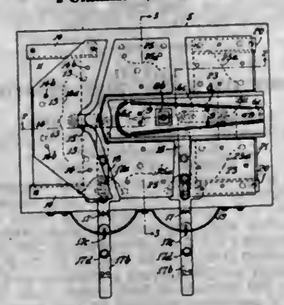
for the reception respectively of the crystal units; a contact plate of conducting material in each well respectively at one side thereof; a member of conducting material forming another side of each said well and being common to all thereof, said contact plate and the member of conducting material being in engagement with the crystal in the wells respectively at spaced apart points and an arm mounted for movement about an axis of rotation and into successive contact with the contact plates of the wells to selectively introduce the crystals into a circuit to utilize their respective frequencies, said arm and the block being always a part of the said circuit.

2,470,134
TEMPERATURE CONTROLLED OVEN FOR DUAL QUARTZ CRYSTALS
Robert J. Bitner, Kansas City, Mo., assignor to Gasket Engineering Co., Inc., Kansas City, Mo., a corporation of Missouri
Application December 16, 1946, Serial No. 716,502
6 Claims. (Cl. 171—327)



1. In a temperature controlled oven for crystals, a base having prongs thereon for mounting the oven in a supporting socket having appropriate electrical operating connections; a core having a cavity in each end thereof; a crystal on the base and in one of the cavities; a thermostat in the other cavity; and a heating coil wound on the said core.

2,470,135
ADJUSTABLE CUTTING AND MARKING DIE
Godfrey S. Bostock, Tixall, and Thomas G. Sharples, Stafford, England
Application January 4, 1946, Serial No. 639,132
In Great Britain October 5, 1945
4 Claims. (Cl. 69—2)

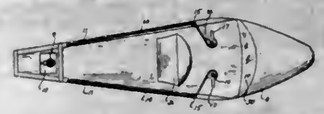


1. A die plate for center cutting and marking shoe uppers comprising, in combination, a base, a center cutting die removably mounted on said base, said die extending horizontally and being shaped to cut out the center of a shoe upper, a resiliently mounted horizontally movable toe portion marker, said toe marker being located at one end of said center cutting die and movable longitudinally thereof, a pair of resiliently mounted counter markers, one of said counter markers being located at each side of the other end of said center cutting die and movable in unison longitudinally thereof, and means for independently moving said toe portion marker and said counter portion markers relative to said center cutting die for adjusting said markers relative to the center cutting die for the center cutting and marking of shoe uppers of various sizes.

2,470,136
COMPOSITION FOR TREATING METALLIC WEAR SURFACES
Harry M. Bramberry, New Castle, Ind.
No Drawing. Application September 22, 1944, Serial No. 555,378
2 Claims. (Cl. 148—6.15)

1. A new composition of matter for treating metallic wear surfaces which are subjected to the frictional load of another wear surface to improve the load-carrying characteristics thereof and establish compatibility with the second wear surface, which consists of an emulsion of finely divided graphite, a resin binder, a solvent for the resin binder in sufficient quantity to thin the same, phosphoric acid, an emulsifier, and water in such amount as to form a water in oil emulsion, the ratio of 100% phosphoric acid to the total of binder and graphite, by weight, having a value between .10 and .80 and the ratio of graphite to binder, by weight, being between 2:1 and 3:1.

2,470,137
STEERING MEANS FOR POWER-DRIVEN SURFBOARDS
Morris R. Brown, McMinnville, Oreg.
Application May 16, 1947, Serial No. 748,477
3 Claims. (Cl. 114—144)

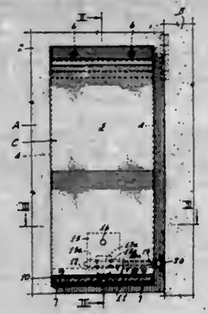


1. In a power-operated surf board comprising a hull, a deck closing the top of the hull and serving to support a person in prone position thereon, a power plant operatively mounted adjacent the stern of the hull and including a rudder, and a pair of cables connected at the rear ends thereof to the rudder and extending forwardly in substantial parallelism with the deck at the sides thereof, the improvement which includes a pair of outwardly-directed handles pivotally mounted and spaced apart upon the forward portion of said deck, said handles being spaced closely down upon the deck and individually secured directly to the forward ends of said cables.

2,470,138
TAMPERPROOF MAILBOX
Charles B. Browning, Vallejo, Calif.
Application June 27, 1947, Serial No. 757,393
1 Claim. (Cl. 232—22)

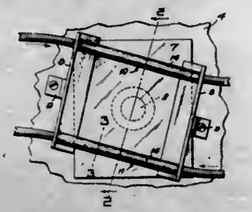
A mail box designed to be positioned on either a right-hand or a left-hand opening door and adjacent to a jamb on the hinged hide of the door; the mail box comprising a receptacle having a

mail-receiving slot at its top and a mail-discharge opening at its bottom; a plate hinged to the receptacle for closing the mail-discharge opening; a keeper anchored to the plate and having a pin-receiving eyelet; a pin guide secured to the receptacle and having a pair of eyelets arranged to register with and straddle the eyelet of the keeper when the plate is closed; a pin slidable in the eyelets of the guide and extending



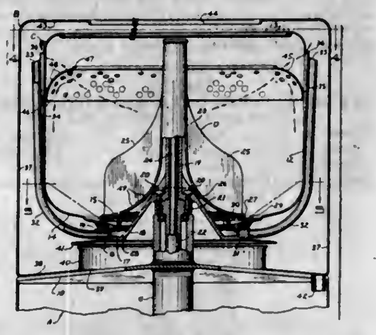
through one side of the receptacle; the pin being moveable endwise for passing through the eyelets of the guide and keeper when the eyelets are in registration, and thus locking the plate against being opened; the other side of the box having an opening in registration with the eyelets of the guide and adapted to slidably receive the pin, whereby the pin may be placed on either side of the box so as to be adjacent to the jamb when the door is closed and thus be prevented from being withdrawn until the door is opened.

2,470,139
CAMERA SHUTTER
Arthur W. Campbell, Wheaton, Ill., assignor to the United States of America as represented by the Secretary of War
Application February 8, 1946, Serial No. 646,454
10 Claims. (Cl. 95—11)



1. In combination with a camera for taking photographs of detonating explosives and the like in a testing chamber having an opening in a wall thereof, a transparent member covering said opening, means mounting said camera exteriorly of said chamber with its lens directed toward said opening, a frame member mounted on a wall of the chamber adjacent said transparent member, and fuse means arranged on said frame and adapted to be detonated to apply a light resisting coating to said transparent member after a photograph is exposed, said coating consisting of combustion products by the detonation of said fuze means.

2,470,140
WASHING MACHINE HAVING ROTATABLE TUB WITH UPPER AND LOWER DISCHARGE MEANS
George P. Castner, Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis., a corporation of Delaware
Application December 21, 1945, Serial No. 636,304
5 Claims. (Cl. 68—23)



5. In a washing machine, a tub for containing liquid and material to be washed and mounted for spinning to discharge the liquid centrifugally, said tub having upwardly flared side walls which will cause the centrifugal liquid to move upwardly therealong for discharge from the upper end of the tub, said side walls curving inwardly at their lower ends and terminating in an annular recess adapted to receive liquid and sedimentary material during the washing operation, a circular flange extending inwardly over the outer part of the recess to produce a horizontal separation of liquid during the spinning of the tub whereby the main body of liquid adjacent thereto will be deflected upwardly and whereby the liquid and sediment below the inner edge of the flange will be restricted to the space in the recess below the level of the flange, means for preventing materials being washed from entering the recess with the sediment, and means for centrifugally discharging the contents of the recess independently of the main upward discharge of liquid from the tub.

2,470,141
ADHESIVE WATERPROOF PLASTIC COMPOSITION
Lawrence C. Caves, Tulsa, Okla.
No Drawing. Application July 20, 1945, Serial No. 606,293
3 Claims. (Cl. 260—758)

1. An adherent plastic waterproof composition which stretches at 0° F. but at the same time maintains adhesion to a surface to which it has been applied when hot comprising asphalt having a softening point of about 160° to 220° F. and a penetration from 0 to 10 mm./10 at 77° F., rubber, residual asphalt having a viscosity at 210° F. of 300 to 500 seconds, a flash point from 300° to 650° F., a sediment content of not more than $\frac{1}{5}$ of one per cent, and free from moisture, and naphthenic oil having a viscosity as measured by Saybolt's viscosimeter of not below about 300 seconds at 210° F.

2,470,142
PRODUCTION OF CATALYSTS OF THE SILICA-ALUMINA TYPE
Charles C. Chapman, near Oklahoma City, Okla., and Hurshel V. Hendrix, Borger, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 20, 1943, Serial No. 511,184
4 Claims. (Cl. 252—451)

1. In a process for the preparation of a silica-alumina catalyst, which comprises forming a hydrous silica gel by adding a solution of sodium silicate to an aqueous acid solution, washing and partially drying said hydrous silica gel, washing said partially dried gel, thereafter subjecting the resulting washed gel to the action of an activating solution comprising aluminum sulfate, and subsequently washing and drying said activated gel, the improvement which comprises forming the hydrous silica gel by the addition of a solution of sodium silicate which has a concentration of approximately 22° Baumé gravity to a solution of sulfuric acid which has a concentration of approximately 21° Baumé gravity in the relative proportions of acids to silicate corresponding to about 250 to about 500 volumes of 21° Baumé sulfuric acid to about 400 volumes of 22° Baumé sodium silicate solution and maintaining the temperature during the mixing of the two solutions and setting of the gel below approximately 95° F., thereafter washing the hydrous silica gel until the pH of the effluent wash water is within the range of approximately 2.0 to approximately 2.15, drying the washed raw silica gel to a moisture content within the range of approximately 10 to approximately 16% by weight, washing said partially dried gel until the effluent wash water has a pH in excess of 3.0, subjecting said washed partially dried gel to the action of an aqueous activating solution comprising an 0.05 to 1.0 molar solution of aluminum sulfate, thereafter washing said activated gel until the pH of the effluent wash water is within the range of approximately 2.8 to approximately 3.4 and twice repeating said activation and washing treatments, the washing after the second activation being conducted until the effluent wash water has a pH within the range of approximately 3.0 to approximately 4.0 and the third washing after the third activation until the effluent wash water has a pH within the range of approximately 3.0 to approximately 4.7.

2,470,143
POCKET FLIGHT POSITION INDICATOR
John K. Christie, New City, N. Y.
Substituted for abandoned application Serial No. 527,767, March 23, 1944. This application October 17, 1946, Serial No. 703,765
5 Claims. (Cl. 35—12)

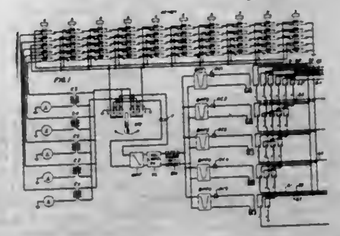


1. A flight position indicator having a pair of superimposed concentric discs formed with concentric aligned openings, the bottom one of which is formed with an indicia adapted to represent sky, earth and the horizon therebetween; and the other one of which is transparent and formed with a groove in which a section, imprinted with indicia to represent the pilot's view of the cockpit and windows thereof, through which the horizon may be viewed, is slidably disposed, and means for connecting said discs and section together so that the top disc may be rotated relative to the horizon while the section is simultaneously moved radially thereof, comprising a staple passing through an elongated slot formed in said section in an aligned position with said concentric openings and through said concentric openings forming an integral movable unit of said discs and section.

2,470,144
ISOMERIZATION AND ALKYLATION OF NORMAL PARAFFINS
Louis A. Clarke, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 10, 1942, Serial No. 438,418
10 Claims. (Cl. 260—683.4)

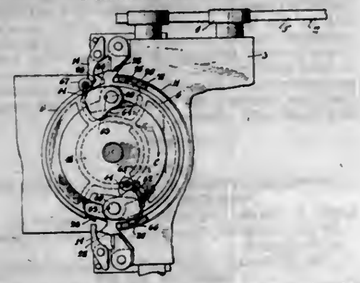
1. The method of treating a normally liquid paraffinic naphtha fraction to improve the volatility and other properties thereof and to concomitantly produce isobutane, which comprises contacting the naphtha in liquid phase in the presence of a minor but effective amount of an added olefin at ordinary temperatures below about 150° F. with a mixed catalyst consisting essentially of a major proportion by weight of substantially anhydrous liquid HF and a minor but effective proportion by weight of BF_3 of the order of about 4–20 mol per cent on the basis of the mixed catalyst, and separately recovering the resultant normally liquid hydrocarbons and the produced isobutane from the reaction products.

2,470,145
MULTIFREQUENCY SIGNALING SYSTEM
Charles Clos, Middle Village, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 25, 1947, Serial No. 776,061
10 Claims. (Cl. 177—353)



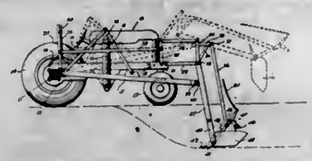
1. In a signaling system, in combination, sources of different electrical frequencies, means for sending a signal composed of a number of said frequencies, means for sending a signal composed of a different number of said frequencies, and a receiver responsive to all of the frequencies in each of said signals to register the same indication for each of said signals.

2,470,146
APPARATUS FOR CASTING STEREOTYPE PLATES
Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application July 15, 1944, Serial No. 545,065
4 Claims. (Cl. 22—2)



3. In a machine for casting semi-circular stereotype plates, in combination, a concave casting member for supporting a matrix, a convex core member cooperating therewith to provide a molding space between said members, means for rotating said convex core member, a pair of trunnions carried by said convex core member and projecting from one end thereof, double ended hooks operated by said trunnions, a cam carried at the outer end of each trunnion, a fixed head at one end of the machine, and cam operating means carried by said head for operative engagement with the respective cams, whereby said hooks are rocked alternately into and out of said molding space by their respective cams.

2,470,147
EXCAVATING MACHINE
Marvin H. Cramer, George, Iowa
Application December 19, 1947, Serial No. 792,777
4 Claims. (Cl. 214—138)



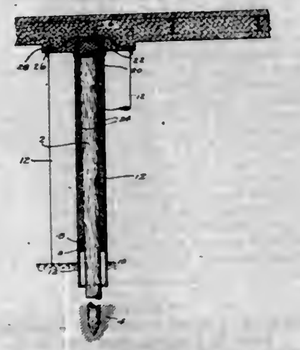
1. In a tractor having a hoisting machine including oscillatable hoisting arms, an apparatus for raising a scoop comprising pairs of bars pivotally connected together to form a parallelogram projecting forwardly from each side of the tractor, the adjacent ends of two of the bars of each parallelogram having pivotal connections with the contiguous side of the tractor frame, a boom swingable from the outer end of one parallelogram, a short rod swingable from the outer end of the other parallelogram, a horizontal bar connecting the lower end of the rod with the boom, the ends of the horizontal bar having hinged connections with the hoisting arms, a rod parallel with the boom, means attached to the adjacently disposed parallelogram connecting the upper ends of the boom and parallel rod for swingably supporting said rod, and means having pivotal connections with the lower ends of the boom and the rod, the pivotal connections between the lower end of the boom and the last mentioned means being carried by the scoop for connecting the scoop to the boom.

2,470,148
KEYBOARD FOR MUSICAL INSTRUMENTS
Galan W. Demuth, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 28, 1944, Serial No. 556,122
3 Claims. (Cl. 84—423)



1. In a musical instrument having a keyboard, the combination of a plurality of key arms arranged laterally, a stationary key frame member, and a flat spring secured at one side thereof to said member and slotted at the opposite side thereof whereby to form a plurality of tongues, each of said tongues being rigidly secured to one of said arms whereby each of said arms is suspended from said member.

2,470,149
PILE
John H. Derby, Scarsdale, N. Y.
Application January 16, 1946, Serial No. 2,762
7 Claims. (Cl. 61—54)

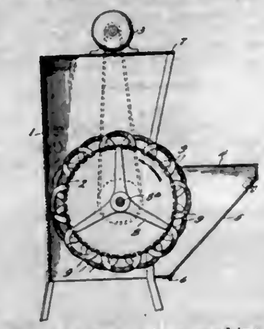


1. A non-rigid fireproof pile structure for piers and the like having, in combination, a core of elastic material, a prefabricated, semi-flexible, tubular asbestos-cement sheath, substantially uniformly spaced from said core, and a filling of relatively light concrete between said elastic core and said sheath.

2,470,150
FROTH FLOTATION OF OXIDE IRON ORE
Fred D. De Vaney, Hibbing, Minn., assignor to Erie Mining Company, Hibbing, Minn., a corporation of Minnesota
No Drawing. Application January 2, 1946, Serial No. 638,707
5 Claims. (Cl. 209—166)

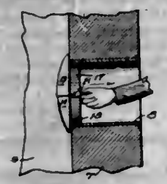
1. Process of concentrating by anionic froth flotation the oxide iron of pulps of oxidic iron-bearing ores and ore-like materials including taconites containing silicious gangue, which comprises treating the pulp with a mineral acid of a strength and in an amount sufficient to clean the surfaces of the pulp particles, deliming the pulp, treating the delimed acid-treated pulp at a pulp density at least equivalent to 65% solids with an alkaline-acting alkali metal compound in an amount sufficient to raise the pH of the pulp to from 8.0 to 9.0, conditioning the alkalized pulp with a reagent charge consisting essentially of an aqueous dispersion of an anionically acting agent of the group consisting of alkali metal soaps of tallol and alkali metal resinates and an oily carrier, diluting the so-conditioned pulp with water, and subjecting the diluted conditioned pulp to froth flotation.

2,470,151
MACHINE FOR PICKING FEATHERS FROM FOWLS
Emmet B. Digby, Atlanta, Ga.
Application November 30, 1945, Serial No. 631,981
5 Claims. (Cl. 17—11.1)



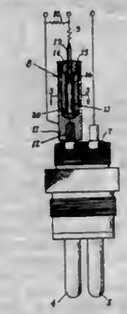
1. A rod for a fowl picking machine formed of flexible material semi-circular in cross section at its center, the cross section increasing in depth towards the opposite ends of said rod, projections on the outer surface of the rod and extending substantially transversely of the rod, said projections being of varying height, and the highest of the projections being in the semi-circular section of said rod.

2,470,152
INSIDE FLUE STOP
Rebertha Dozier, Irvine, Ky.
Application December 13, 1946, Serial No. 716,121
4 Claims. (Cl. 126—319)



1. A flue stop adapted for closing the inner end of a stovepipe hole in a flue or chimney, said stop comprising a shell portion and a ring portion, said shell portion having a flat side to which said ring portion is secured and an opposite convex side, said shell portion being of substantially greater diameter than the ring portion and each of said portions being substantially circular, said shell portion and ring portion each being formed of pivotally connected substantially semi-circular sections, said stop being adapted to be folded for insertion through the stovepipe hole and into the interior of the flue or chimney to be turned in the flue or chimney for positioning the plane of the closure transversely to the axis of the stovepipe hole, and said closure being adapted to be thereafter extended for positioning said ring portion in the inner end of the stovepipe hole and with the marginal portion of the inner or flat side of the shell engaging the flue or chimney wall around said hole for closing the stovepipe hole at the inner end thereof, the adjacent edges of the sections of the shell portion being constructed and arranged to overlap when in extended position, and one of said shell sections being disposed above the other shell section and with the overlapped portion thereof overlying a portion of the lower shell section.

2,470,153
RESISTOR AND METHOD OF MAKING SAME
Anton M. Feller, Elizabeth, N. J., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application May 25, 1945, Serial No. 595,709
4 Claims. (Cl. 201—57)



1. The method of preparing a temperature compensating liquid containing resistor with a negative co-efficient of resistance with respect to temperature, which method comprises introducing glycerol into said resistor, sealing the same and then subjecting said resistor to prolonged heat of approximately 115 degrees centigrade and further subjecting said resistor to electrical conduction to stabilize the resistivity of the liquid therein contained.

2,470,154
BOTTLE RACK
Mae H. Fitzgerald, Mineral Wells, Tex.
Application May 3, 1945, Serial No. 591,781
2 Claims. (Cl. 248—141)

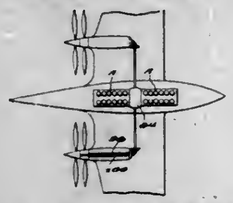
1. In a bottle rack, a base, uprights mounted on said base, and a bottle supporting frame pivotally mounted between said uprights, said frame including two right angularly disposed base members having their extremities upwardly bent to form the sides of said frame, upper and lower peripheral rings secured to said bent extremities, the upper of said rings being split, a

boss formed at the top of said bottle frame member, a spring extending through said boss, hooks



adjacent the split in said upper ring and said spring being detachably secured to said hooks.

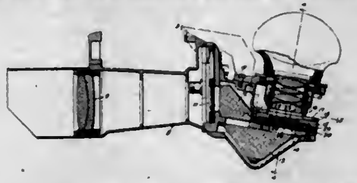
2,470,155
POWER PLANT ASSEMBLY
Archibald Graham Forsyth, Cheam, England, assignor to The Fairey Aviation Company Limited, Hayes, England
Application May 16, 1942, Serial No. 443,231
2 Claims. (Cl. 244—60)



1. In an aircraft having a fuselage and a wing on each side thereof, a propulsion arrangement, comprising, a pair of propellers carried by each wing, each pair being mounted for rotation about a common axis, power means for driving each pair of propellers, said power means comprising two identical power units, each unit comprising two internal combustion engines having a common crankcase terminating at one end in a facing, the ends of the crankshafts of said engines extending through the faced end, said power units being disposed in longitudinal alignment with the faced ends toward but spaced from one another, a gear housing disposed between said units and detachably secured to said facings, gearing within said gear housing and operatively connected with the crankshaft ends of each of said units, two pairs of shafts each connected with said gearing and each pair extending laterally from said gear housing, and means connecting each of said pairs of shafts to each of said pairs of propellers.

2,470,156
CONTRAST MEASURING APPARATUS HAVING RELATIVELY ROTATABLE POLARIZING ELEMENTS FOR OPTICAL SIGHTING INSTRUMENTS
Glenn A. Fry, Columbus, Ohio, assignor to the United States of America as represented by the Secretary of War
Application September 6, 1945, Serial No. 614,740
1 Claim. (Cl. 88—23)

A contrast meter attachment for an optical viewing instrument having an objective and an ocular defining a field of view, said attachment comprising a light transmitting element having a light-polarizing area extending over a portion only of the field of view of said instrument as seen through said ocular, an analyzer of polarizing material closely adjacent said element and adapted to extend over the entire field of view of said instrument as seen through said ocular, a frame mounting said analyzer for angular movement relatively to said element to vary the angular relation of the polarizing axes of said area and analyzer, and means for angularly moving said analyzer, said last-named means comprising



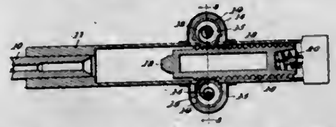
an extension on said frame having therein a slot extending radially of the optical axis, a lever pivoted on said instrument and having a pin upon its free end engaging said slot, and manually operable means connected to oscillate said lever to thereby proportionally vary the brightness of said area only, while leaving the remaining portion of the field of view unaffected.

2,470,157
HAIR COMB DEVICE
Nate Gambino, Modesto, Calif.
Application May 7, 1946, Serial No. 667,857
4 Claims. (Cl. 132—11)



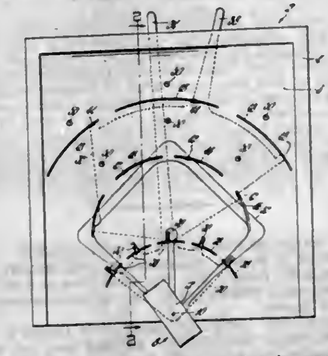
1. A comb device comprising a hollow, substantially flat, elongated body member, a plurality of comb teeth depending from one side of said body member, said teeth being relatively small in transverse width compared to the transverse width of the body member, the side wall of the body member adjacent the teeth terminating a short distance above the plane of the bottom wall of the body member and the bottom wall terminating a short distance from the plane of said side wall to thereby define openings between the root portions of adjacent comb teeth, said openings being inclined upwardly with respect to the plane of the bottom wall.

2,470,158
FIRING RATE CONTROL MECHANISM FOR AUTOMATIC FIREARMS
Antoine Gazda, Providence, R. I.
Application June 27, 1944, Serial No. 542,272
In Switzerland August 19, 1938
6 Claims. (Cl. 89—129)



1. In an automatic firearm, a barrel, a breech tube secured to said barrel, a breech block slidable in said breech tube, a pair of spiral recoil springs, a rack upon said breech block associated with each spring, a gear cooperating with each rack having one end of the associated recoil spring fixed thereto, a casing for each gear and associated spring fixed to said tube, a plate detachably connected to said gear whereby said plate may be replaced by another plate of different mass to vary the firing rate of the firearm, a fixable abutment extending axially through said gear to which the other end of each spring is connected, a lever connected to said abutment and means for connecting said lever selectively at any one of a plurality of spaced points upon said casing to vary the initial tension of the associated recoil spring.

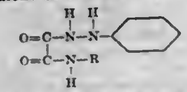
2,470,159
GAME APPARATUS
Frederick L. Geary, Springfield, Mass.
Application January 23, 1948, Serial No. 3,935
3 Claims. (Cl. 273—88)



1. A game apparatus comprising in combination, a slotted game board, a rollable magnetized playing piece, a launcher having a forwardly inclined face for launching said playing piece onto said game board, a plurality of magnetized projections extending from beneath said game board through the slots in said game board, all adapted and arranged whereby said playing piece may be attracted to one of said magnetized projections upon and after launching from said launcher.

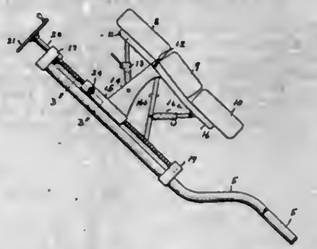
2,470,160
PHENYLSEMIOXAMAZIDE INSECTICIDAL COMPOSITIONS
Samuel I. Gertler, Washington, D. C., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application July 19, 1946, Serial No. 684,916
13 Claims. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

8. An insecticidal composition comprising a dust carrier, sticking agent, and an insecticidally active ingredient of the formula



in which R is selected from the group consisting of hydrogen and an aliphatic radical of not more than two carbon atoms, the carrier being present in an amount at least equal in weight to the said active ingredient.

2,470,161
TABLE CUSHION ADJUSTING MECHANISM
John A. Glasin, Galveston, Tex.
Application September 12, 1946, Serial No. 696,501
1 Claim. (Cl. 311—7)



In a table for treating patients, a base, a transverse cross rod on the rear end of the base, side bars whose rear ends are supported on said cross rod and whose forward ends are vertically movable, forward and intermediate transverse castings connecting said side bars, longitudinal, parallel shafts one of which is mounted to rotate in said castings, sleeves longitudinally movable on said shafts, side standards upstanding from said sleeves, a forward head cushion, an intermediate chest cushion and a rear abdomen cushion, forwardly and rearwardly extending bars pivoted to the upper ends of said standards and supporting said cushions, means for adjusting said respective bars vertically to vary the position of the cushions, said one of said shafts having an external, spiralled groove, a ball in the corresponding sleeve, a set screw threaded through said sleeve and operative against said ball to maintain the ball in the groove and means for rotating said shaft to move the standards and the assembly supported thereby forwardly or rearwardly relative to said side members.

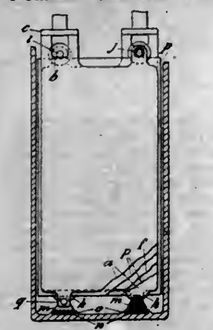
2,470,162
ROCKET-PROPELLED DEVICE
Maurice H. Goehmann, Dearborn, Mich., assignor, by mesne assignments, to United States of America
Application December 27, 1943, Serial No. 515,653
3 Claims. (Cl. 102—49)



1. In a rocket-propelled device having a propelling rocket charge and a casing surrounding said charge, said casing having an open end through which the gases resulting from the burning of the charge exhaust to the atmosphere, concentric outer and inner elements disposed within said open end and being contoured to form a Venturi passage therebetween for said gases, said outer element having a coaxial portion and a coaxial rod element carried by said coaxial portion, said inner element being slidable on said rod element, and spring means urging said inner element into engagement with said
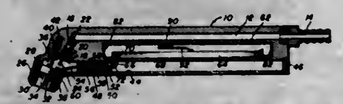
coaxial portion, said spring means being adapted to maintain said engagement during the development of pressures within said casing up to a predetermined maximum value and to permit said inner element to move axially and enlarge said passage upon the development of pressures above said predetermined value.

2,470,163
PLATE SUPPORT FOR ELECTRIC ACCUMULATORS
Robin Gray, Clifton Junction, near Manchester, England, assignor to The Electric Storage Battery Co., a corporation of New Jersey
Application November 29, 1944, Serial No. 565,692
In Great Britain November 12, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 12, 1963
5 Claims. (Cl. 136—79)



2. In an electric accumulator cell of the lead acid type, the arrangement in which the positive plates are suspended from the upper portion of the negative plates, and the negative plates are supported from the floor of the cell container, the support means for the negative plates including at least one longitudinally extending bar associated with the cell container floor and received between the end negative plates and spaced from the bottom edges of the positive plates, whereby the positive plates are free to grow downwardly, the intermediate negative plates resting on said bar, and means securing the end plates to said bar.

2,470,164
AUTOMATIC AIR GAUGE
Aubrey C. Hallmark, Naval Base, S. C.
Application December 18, 1947, Serial No. 792,485
6 Claims. (Cl. 137—69.5)



1. An automatic shut off air gauge comprising an elongated body having an air inlet channel and a chamber therein, an inlet valve controlling flow between said channel and chamber, an outlet valve for said chamber and having means whereby it can be opened by externally applied force, a member providing in one position mechanical contact between said valves so that opening of the outlet valve causes the inlet valve to open, shiftable means responsive to pressure within said chamber and connected to said member for moving said member out of said one position when a predetermined pressure in the chamber is attained, and variable biasing means operatively connected with said shiftable means.

2,470,165
REVOLVING ATTACHMENT FOR DINING TABLES
Boyd C. Hartzler, Sharonville, Ohio
Application April 2, 1946, Serial No. 659,011
1 Claim. (Cl. 311—32)

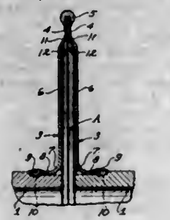


A revolving attachment for dining tables and the like, comprising in combination, a disc-like base adapted for positioning on a table, an upstanding pivot bolt rotatably positioned in the center of said base, a plurality of radially extending arms connected to said bolt, a rotatable roller mounted on the outer end of each of said arms, said rollers running on said base, a flange at the upper end of said bolt, a circular table top mounted upon said flange and running on said rollers, and an adjusting nut at the lower end of said bolt.

2,470,166
POLYMERIZATION OF ETHYLENE
Stanford J. Hetzel, Cheltenham, and Robert M. Kennedy, Drexel Hill, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Original application October 30, 1945, Serial No. 625,693. Divided and this application April 17, 1947, Serial No. 742,193
7 Claims. (Cl. 260—683.15)

1. A process for the polymerization of ethylene which comprises contacting ethylene under polymerizing conditions with a catalyst consisting essentially of silica gel, chromia and a metal selected from the group consisting of nickel and cobalt.

2,470,167
EXPANSION FLANGE
James C. Hobbs, Painesville, Ohio, and James C. Hobbs, II, Oil City, Pa.
Application August 31, 1945, Serial No. 613,808
5 Claims. (Cl. 285—90)



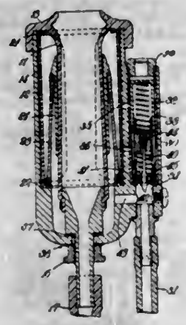
1. A flexible pipe connection comprising flexible, thin, metal plates clamped in face to face

contact and welded together at their outer peripheries by an annulus of weld metal C-shaped in transverse cross-section and having opposite, axially extending flanges at their inner peripheries to engage with and be connected to the outer surfaces of two adjacent pipe ends.

2,470,168
POLYMERIC 4-VINYLCYCLOHEXENE DIOXIDE COMPOSITIONS
Walter John Hornibrook, McMasterville, Quebec, Canada, assignor to Canadian Industries Limited, Montreal, Quebec, Canada, a corporation of Canada
No Drawing. Application February 20, 1948, Serial No. 9,970. In Canada May 30, 1947
13 Claims. (Cl. 260—17)

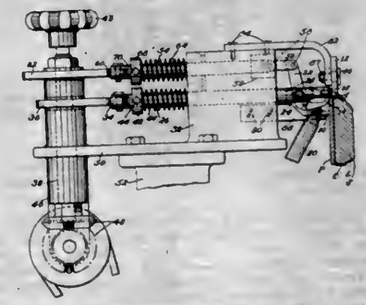
1. Process of preparing a polymeric composition which comprises forming a compatible mixture of 4-vinylcyclohexene dioxide and at least 5%, by weight of said 4-vinylcyclohexene dioxide, of a cellulose ester and maintaining said mixture at a temperature of 20° C.–110° C. in the presence of a polymerization catalyst until said 4-vinylcyclohexene dioxide is substantially completely polymerized.

2,470,169
MECHANICAL MILKING APPARATUS
Cyril George Howse, Farmoor, Botley, England
Application November 15, 1945, Serial No. 628,702
In Great Britain January 11, 1945
9 Claims. (Cl. 31—67)



1. A teat cup for a mechanical milking appliance comprising a cup shaped rigid housing of non-ferrous light alloy open at the upper end and having an outlet at its lower end to which a flexible milk flow tube is secured, means to maintain constant vacuum in said tube, said housing having two connectors to which flexible tubes are connected, means to supply alternating pressure to said connectors, a flexible liner for reception of one teat of a cow, a capping on said flexible liner, squeeze mechanism comprising a pair of contact blades pivoted on thrust blades pivoted on a frame surounding the liner, a secondary flexible sheath disposed between said squeeze mechanism and the housing and means to apply vacuum through said connectors to the spaces between the housing and the secondary sheath and between the secondary sheath and the flexible liner.

2,470,170
MACHINE FOR TURNING THE PLATFORM COVERS OF PLATFORM SHOES
Arthur R. Hubbard, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 11, 1945, Serial No. 598,871
12 Claims. (Cl. 12—1)



8. In a machine for turning the platform covers of platform shoes, a device for gripping the margin of a platform cover of a shoe, means for advancing and retracting the gripping device, means for closing and opening the gripping device in timed relation to the advancing and retracting movements to cause the gripping device to grasp the margin of the platform cover of the shoe at the beginning of each retracting movement and to remain closed during the retraction, and a tool carried by the gripping device and movable therewith as the gripping device advances and retracts to partially turn the platform cover and thereby bring the marginal portion of the platform cover into a position to be grasped by the gripping device.

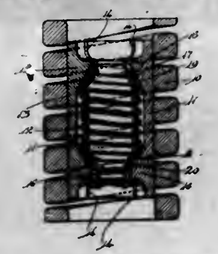
2,470,171
POLYMERIZATION OF OLEFINS
Robert M. Kennedy, Drexel Hill, and Stanford J. Hetzel, Cheltenham, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Original application October 30, 1945, Serial No. 625,694. Divided and this application April 17, 1947, Serial No. 742,194
6 Claims. (Cl. 260—683.15)

1. A process for the polymerization of olefins containing three or more carbon atoms per molecule which comprises contacting the olefins under polymerizing conditions with a catalyst consisting by weight of 80%–99.98% silica gel, 0.01%–10% chromia and 0.01%–10% of a metal selected from the group consisting of nickel and cobalt.

2,470,172
FRICTION BOLSTER SPRING
Charles P. Leese, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey
Application March 8, 1944, Serial No. 525,536
9 Claims. (Cl. 267—9)

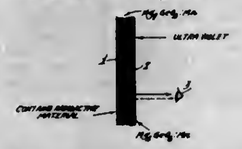
1. A friction bolster spring for a railway car truck comprising a load supporting spring, a plurality of friction shoes arranged within the load supporting spring to bear directly against the inner perimeter thereof and formed on their inner surfaces with inclined wedge forming faces, and

a resilient member arranged within the space defined by said shoes and formed at one end with a portion of decreasing diameter to provide an integral cone shaped wedge portion positioned to exert pressure against the wedge forming faces



of said shoes, means at the other end of the resilient member connecting said resilient member to the shoes, whereby the force exerted by said resilient member presses the shoes outwardly against said inner perimeter of the spring to damp the movement thereof.

2,470,173
PHOSPHOR MATERIALS
Humboldt W. Leverens, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 17, 1945, Serial No. 622,800
2 Claims. (Cl. 250—80)



1. A composite phosphor screen comprising a layer of magnesium orthogermanate and manganese activator for excitation by corpuscular energy and a second layer of magnesium germanate of greater magnesium oxide content than that contained in said orthogermanate and manganese activator, said last-mentioned germanate containing a radio active material.

2,470,174
COLLAPSIBLE BOX
Albert M. Lewis and Peter B. Weller, Detroit, Mich.
Application December 22, 1947, Serial No. 793,206
5 Claims. (Cl. 229—41)

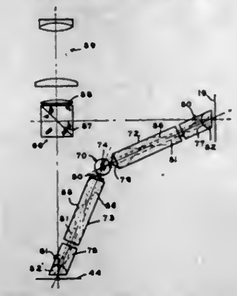


1. A collapsible box of the class described, formed from a single sheet of cardboard and comprising: a bottom; a pair of oppositely disposed side walls swingable to extend at right angles to said bottom and to extend parallel thereto; a cover swingable on one of said side walls and embodying a pair of swingable sections; a pair of oppositely disposed end walls swingable to extend at right angles to said bottom and to extend parallel thereto; a wire frame embodying a pair of oppositely disposed side rails and a pair of oppositely disposed end rails, said end rails extending exterior to said end walls and preventing outward swinging of the same and said side rails extending along the upper edge of said side walls; and a knuckle forming member on the upper edge of each of said side walls for swingably connecting the side wall at its upper edge to one of said side rails.

2,470,175
LIQUID HYDROGEN FLUORIDE COMPOSITION
Carl B. Linn, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Original application May 31, 1945, Serial No. 596,924, now Patent No. 2,421,951, dated June 10, 1947. Divided and this application November 29, 1946, Serial No. 713,073
6 Claims. (Cl. 252—429)

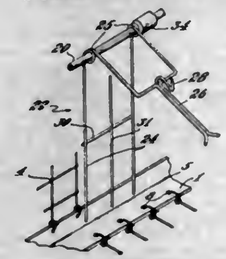
1. A composition of matter consisting essentially of liquid hydrogen fluoride having dissolved therein, in an amount of from about 1% to about 50% by weight of a substantially non-oxidizing compound soluble in liquid hydrogen fluoride and selected from the group consisting of the acids of phosphorus and their anhydrides and esters.

2,470,176
SURFACE COMPARISON MICROSCOPE HAVING LIGHT CONDUCTING MEMBERS PROVIDING GRAZING AND DIFFUSE ILLUMINATION
Nils Lindgren, Irondequoit, and Paul A. Roos, Greece, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 18, 1946, Serial No. 655,094
4 Claims. (Cl. 88—14)



1. In a surface comparison microscope, a body member having passages extending therethrough and a chamber connecting said passages, a locating member for holding a specimen surface in juxtaposition to one of said passages, a separable adapter member for holding a standard surface in juxtaposition to another of said passages, optical means within said chamber and passages for forming enlarged adjacent images of said surfaces in a field, and illuminating means for said surfaces comprising a single light source and a plurality of pairs of aligned light conducting members, one of the pairs having an outermost member thereof held within said separable adapter member to direct light rays onto the standard surface, said conductors having refracting and reflecting means in optical alignment therewith for directing from said source a beam of substantially parallel light rays at grazing incidence upon said surfaces and additionally providing from said source an illumination of diffused light rays on the surfaces.

2,470,177
LOBSTER TRAP
Joseph R. MacDonald, Winchester, Mass., assignor to Macmor Corporation, Boston, Mass., a corporation of Massachusetts
Application February 2, 1946, Serial No. 645,125
2 Claims. (Cl. 43—100)



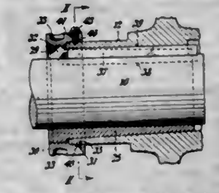
1. In a trap of the type having a box-like structure provided with at least one side wall having an elongate, horizontally extending opening, a trapdoor comprising a horizontally extending rod running lengthwise along the upper end of said opening, a plurality of counter-balanced gates pivotally supported by said rod to swing inwardly so as normally to close said opening, each gate comprising spaced wires extending vertically from the bottom of said opening with their central portions looped about said rod so as to provide a pivotal connection therewith permitting the gate to swing inwardly, the upper ends of said wires being bent inwardly into converging relation so as to provide a counterweight normally holding the gate closed, a lure-holder secured to said counterweight, and an upstanding abutment at the lower part of said opening engageable with the lower end of said gates to prevent outward swinging movement thereof.

2,470,178
SEMIAUTOMATIC ARC WELDING APPARATUS AND METHOD
Karl Kristian Madsen, Lomas de Zamora F. C. S., Argentina, assignor to Aktieselskabet Esab, Copenhagen, Denmark
Application December 30, 1947, Serial No. 794,650
In Denmark March 16, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 16, 1965
5 Claims. (Cl. 219—8)

1. Apparatus for electric arc welding with rod-shaped coated electrodes, comprising a frame to rest on the work, a lever pivotally supported by said frame, and electrode holding means supported by said lever at one end thereof to hold an electrode at substantially right angles to the pivot axis of the lever, the aforesaid members being so designed and related to one another that the length of the perpendicular from said pivot axis to the longitudinal axis of the electrode is substantially equal to the length of the perpendicular from said pivot axis to the line of intersection between the work on which the frame is supported and the plane of rotation of the electrode.

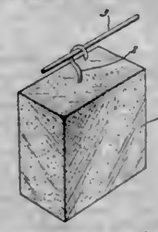


2,470,179
HOLDING ELEMENT FOR HUB COLLARS
Joseph Ellsworth McCloskey, Philadelphia, Pa., assignor to The American Pulley Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 26, 1945, Serial No. 607,133
1 Claim. (Cl. 287—52.06)



Means for holding a rotary part to a shaft which comprises a grooved hub on the rotary part, a split tapered bushing interposed between hub and shaft, the end of the bushing protruding from the hub and being threaded exteriorly of the hub; a grooved hub collar surrounding the protruding end of the bushing threaded interiorly to engage the thread on the protruding end of the bushing; the grooves of the hub collar and the hub being in opposed relation to each other; and holding elements in said grooves consisting of balls seated therein and preventing lateral translation of the hub collar in relation to the hub, whereby rotation of the hub collar effects even lateral translation of the bushing and tightens or loosens the hold of the hub on the shaft according to the direction in which the hub collar is rotated.

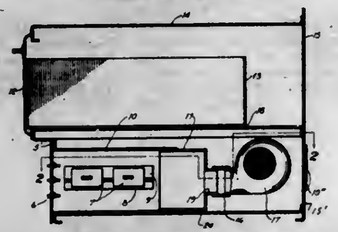
2,470,180
CARBONACEOUS DEODORIZER AND PROCESS OF MAKING SAME
Rex L. McHatton, South Bend, Ind.
Application October 2, 1945, Serial No. 619,878
3 Claims. (Cl. 252—427)



1. A deodorizer consisting of a mixture of activated charcoal, sawdust, and plaster of Paris in

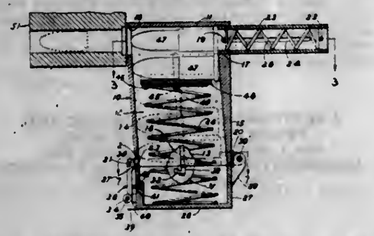
proportions of approximately two parts, three parts and three parts by volume respectively, the charcoal serving as an absorbing agent, the sawdust serving as a filler and the plaster of Paris serving as a bonding agent by which said materials are combined into a solidified odor permeable mass.

2,470,181
HEATING DEVICE ADAPTED TO ELECTRIC RANGES
Angus W. McIntyre, Victoria, British Columbia, Canada
Application March 10, 1948, Serial No. 14,013
In Canada February 13, 1948
1 Claim. (Cl. 219—39)



A heating device in combination with the toe cove base of an electric range, a housing secured in said base and consisting of two integral sections, one of said sections being rectangular and the other being funnel shaped and flexibly connected to a blower, angle members secured on the side walls of said rectangular section of the housing and supporting heating elements, a grill in the outer face of the base, said housing resting on an insulated plate, as shown and described.

2,470,182
LOADER FOR REVOLVERS
Ernest L. Peck, Erie, Pa.
Application September 27, 1946, Serial No. 699,602
2 Claims. (Cl. 42—89)



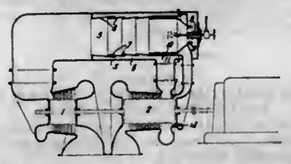
2. A device for loading a revolver or the like, comprising a magazine having a guide slot and an open end and provided with cartridge discharge means, ejecting means to discharge cartridges through said discharge means, a hinged cover secured to the magazine and adapted to cover the open end of the same and having a short guide slot and a locking slot, the arrangement being such that when the hinged cover is closed the short guide slot registers with and becomes a part of the first named guide slot, a follower plate including an extension for engaging within the guide slots and adapted for being locked within the locking slot, and a main spring associated with the follower plate and arranged within the magazine and within the cover and adapted for causing the follower plate to move cartridges into position for being injected into a revolver cylinder or the like.

2,470,183
GAUGE FOR LAYING ASPHALT SHINGLES
Henry P. Peters, Lester, Iowa
Application February 13, 1948, Serial No. 8,263
2 Claims. (Cl. 33—188)



2. A shingle spacing gauge, comprising a longitudinally tapered channel-like body member, an upstanding stop bracket secured to the bottom wall of the body member adjacent its forward end, said stop bracket being formed with a forwardly extending top flange overlying said forward end, the rear portion of the body member being apertured at its bottom wall, a looped leaf spring secured at one end thereof to said body member and formed with a depending bowed portion projecting through the aperture in said bottom wall, a vertical bar member adjustably secured to the rear end of the body member and formed with a forwardly extending arm spaced below said bottom wall and extending adjacent said depending bowed portion, and a lever pivoted to said body member and having a first arm underlying the other end of the leaf spring and a second arm projecting upwardly forwardly adjacent said vertical bar member.

2,470,184
ARRANGEMENT FOR COOLING COMBUSTION CHAMBERS
Hans Pfenninger, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland
Application December 16, 1942, Serial No. 469,247
In Switzerland July 12, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 12, 1961
9 Claims. (Cl. 60—41)



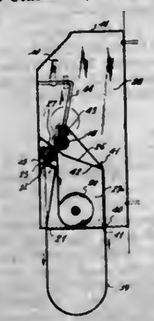
1. In a combustion turbine plant including an air compressor driven by a turbine to supply compressed air to a combustion chamber that develops a pressure gas for driving the turbine; a combustion chamber comprising an outer pressure-resisting casing, a heat resistant wall within and spaced radially from the casing, said wall comprising a plurality of rings with annular passages between adjacent rings a burner assembly including a fuel nozzle within a shell spaced from said wall by an annular passage, said shell terminating short of the annular passage of the heat resistant wall which is the closest to the fuel nozzle, means for introducing cooling air under pressure around the fuel nozzle and to the entrance to the space between said wall and said casing, and means for introducing cooling air at the entrance to said annular passage between said wall and said burner assembly shell under a higher pressure than that of the air supplied to the fuel nozzle and to the entrance to the space between said wall and said casing.

2,470,185
VIBRATION ISOLATOR
Ervin Pietz, Cambridge, Mass., assignor to Lawrence N. Barry, George W. Foss, and Ervin Pietz, doing business as The L. N. Barry Company, Cambridge, Mass.
Application May 29, 1945, Serial No. 596,483
2 Claims. (Cl. 248—22)



1. Means adapted to be interposed between two bodies for the purpose of isolating vibration one from the other comprising an upper cylindrical rubber element in at least partial telescoped relation with a lower cylindrical rubber element, and an interposed relatively rigid piece engaging both of said elements so that the weight of said body is carried by said elements in series, said piece having inclined walls out of contact with said elements whereby said elements are free to deflect laterally to maintain all natural frequencies of the system low.

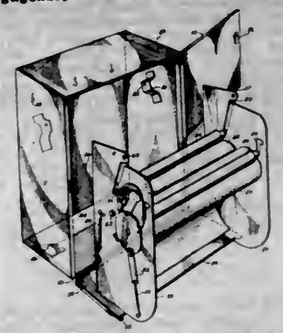
2,470,186
CONTROL MEANS FOR TOWEL CABINETS
Laurence L. Price, Los Angeles, Calif.
Application March 29, 1946, Serial No. 658,042
3 Claims. (Cl. 312—38)



1. In a towel dispenser, a measuring roll over which toweling is trained from a supply, a mangle normally pressing the toweling against one side of the roll, a tilt bar movable by applying tension to the toweling for pressing the toweling against another side of the roll, and means for arresting rotation of the roll.

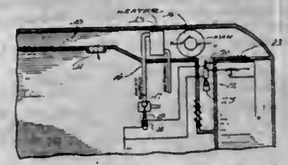
2,470,187
TOWEL DISPENSER
Laurence L. Price, Los Angeles, Calif.
Application July 3, 1947, Serial No. 758,869
9 Claims. (Cl. 312—38)

1. In a towel dispenser, a measuring roll rotatable as the toweling is dispensed, a stop mechanism actuated by and controlling the roll including mutually engageable stops, one of said stops being movable into and out of a position wherein it is engageable by the other stop, the other stop being movable by the measuring roll into a position engageable with the first stop, means for



automatically reversing the measuring roll after the stops have mutually engaged and tension on the toweling has been released, and means operable by reverse movement of the roll for causing the first stop to clear the second stop during the reverse movement.

2,470,188
SENSIBLE HEAT CONTROL SYSTEM
Lewis B. Rhodes, Washington, D. C., and Timothy J. Lehane, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation, a corporation of Delaware
Application December 3, 1943, Serial No. 512,698
14 Claims. (Cl. 236—44)

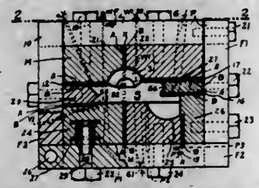


1. In a heat control system, means including an electrically energized element for supplying heat to an enclosed space and a control thermostat for opening and closing a control circuit for said element in response to any of a series of effective temperatures of corresponding comfort value within said space; said thermostat including a portion responsive to the temperature of the space, another portion including a cooling element whose effectiveness increases in relation to increased air movements across the thermostat, and means for applying auxiliary heat to the thermostat whereby the functioning temperature at the thermostat is normally greater than the temperature of said space.

2,470,189
METHOD FOR MANUFACTURING MOLDS
George A. Rubissow, New York, N. Y.
Application September 9, 1944, Serial No. 553,403
2 Claims. (Cl. 22—193)

1. A casting method for manufacturing a compound mold from a molten metal by means of an

empty mold casing, a pattern and sectioning sheets made from solid material, said compound mold being composed of at least two mold-parts and having inside of it a closed contour mold cavity which is a female impression of said pattern, said method comprising: (1) maintaining said pattern inside of said empty mold casing at a distance from the inner surfaces of said empty mold casing; (2) providing at least two pairs of adjacent, parallel one to another, and non-adherent one to another sectioning sheets, one edge of said sheets contacting said pattern on the surface thereof, the other edge of said sheets



extending to the inner surface of said empty mold casing; (3) filling said empty mold casing with said molten metal thereby entirely embedding in said molten metal said pattern and said sectioning sheets; (4) causing said molten metal to solidify into an integral solid with said pattern and with said sectioning sheets; (5) separating the sheets of each pair of sectioning sheets thus dividing said integral solid into said mold parts; (6) removing said pattern from said mold parts thus providing said female impression of said pattern inside of mold parts, whereby when said mold parts are assembled together they form said compound mold.

2,470,190
PRODUCTION OF OLEFIN POLYMERS
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 29, 1946, Serial No. 713,108
12 Claims. (Cl. 260—683.15)

1. A process for producing a higher boiling hydrocarbon which comprises reacting an olefinic hydrocarbon and a monohaloalkane in the presence of a metal phosphate catalyst at conversion conditions of temperature and pressure.

2,470,191
RAPID RIPENING OF CELLULOSE ESTERS
George W. Seymour, Blanche B. White, and Anthony J. Bellucci, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application December 6, 1945, Serial No. 633,268
11 Claims. (Cl. 260—227)

1. In a process for the production of highly stable ripened organic acid esters of cellulose wherein cellulose is esterified with an aliphatic acid anhydride employing an inorganic acid as catalyst and an aliphatic acid as a solvent, the steps which comprise neutralizing the acid catalyst in the primary cellulose ester solution obtained on completion of esterification by adding an alkaline neutralizing agent thereto, and then ripening and stabilizing the cellulose ester in the primary solution to a secondary cellulose ester at a temperature of at least 125° C. and at a pressure of at least 20 pounds per square inch.

2,470,192
RAPID RIPENING OF CELLULOSE ESTERS
George W. Seymour, Maplewood, Blanche B. White, Summit, and Anthony J. Bellucci, East Orange, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 10, 1947, Serial No. 773,288
14 Claims. (Cl. 260—230)

1. In a process for the production of highly stable, ripened organic acid esters of cellulose wherein cellulose is esterified with a lower aliphatic acid anhydride, employing an inorganic acid as catalyst and an aliphatic acid as a solvent, the acid catalyst in the primary cellulose ester solution obtained on completion of esterification is neutralized by adding a neutralizing agent thereto, and the cellulose ester in the primary solution is ripened to a secondary cellulose ester of the desired acyl value, the step of effecting said ripening under pressure and at a temperature of at least 125° C. in an oxygen-free, inert atmosphere.

2,470,193
TREATMENT OF HYDROCARBONS
William M. Stratford, New York, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application December 31, 1940, Serial No. 372,493
1 Claim. (Cl. 196—52)

A method of converting higher boiling hydrocarbons to hydrocarbons of lower boiling point comprising vaporizing the higher boiling hydrocarbons and passing the vapors for a time sufficient to effect a substantial amount of such conversion, in contact at a cracking temperature with a magnesium silicate catalyst produced by subjecting lime and silica to reaction with a soluble magnesium salt in the presence of water at a superatmospheric temperature.

2,470,194
BURN-IN TOOL
Charles Roadnan Terry, Tulsa, Okla.
Application January 23, 1948, Serial No. 3,932
1 Claim. (Cl. 219—21)

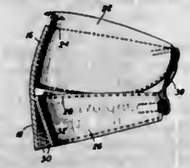


In a burn-in tool, the combination of a heated shank, a resilient work engaging blade secured at one end thereof to said shank and disposed at one side of the latter, said blade being urged by its resiliency in contact with the side of said shank but being adjustable from a position where a major portion of its length contacts said shank to a variably spaced position relative thereto, and means for adjusting said blade comprising a screw extending transversely through said shank and having an end thereof engageable with said blade for pressing a major portion of the blade out of contact with said shank to a variably spaced position relative thereto.

2,470,195
QUARTER BOOT
James G. Thompson, Winston-Salem, N. C.
Application January 19, 1948, Serial No. 2,991
1 Claim. (Cl. 54—82)

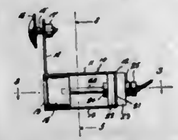
A boot for horses comprising an outer layer of flexible material having opposed notches therein

defining an integrally connected upper and lower section, cushioning material attached to each section, the said upper section being bowed to accommodate portions of a horse's foot, a shim disposed between a portion of the lower section



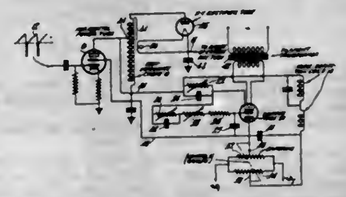
and said cushioning material forming a bight to fit in a recess normal in the foot region of horses, fastening means at the terminals of each section, means for connecting the fastening means to limit the relative travel of the upper and lower sections.

2,470,196
ELECTRICAL CONNECTOR
William Henry Thrasher, Birmingham, Ala.
Application November 28, 1947, Serial No. 788,543
1 Claim. (Cl. 173—361)



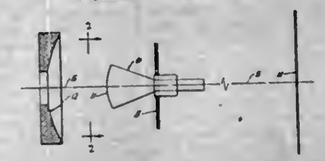
A device of the character described comprising a U-shaped body member, a socket member affixed between the arms thereof, a pair of contact members extending through the base of the body member to the socket member, insulation between the contact members, a clamping arm formed integrally with the body and extending at a right angle therefrom and fastening means carried at the outer end of said clamping arm.

2,470,197
ELECTRON BEAM DEFLECTION CONTROL SYSTEM
Charles Edward Torsch, Lancaster Township, Lancaster County, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application September 25, 1946, Serial No. 699,172
7 Claims. (Cl. 315—27)



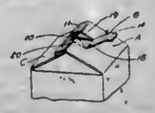
4. In a cathode ray beam deflection circuit, a power output tube including at least an anode and a cathode and adapted to deliver a cyclically varying current output, an autotransformer having a portion of its winding connected in the anode-cathode circuit of said power output tube, a pair of cathode ray beam deflection coils connected effectively in shunt with the said portion of said autotransformer winding, a source of anode potential for the said power output tube connected in series with said pair of cathode ray beam deflection coils and means including a rectifier for deriving a direct voltage from the entire winding of said auto-transformer.

2,470,198
IMAGE FORMING PROJECTION WITH SCHMIDT-TYPE OPTICAL SYSTEM
Ernest H. Traub, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 27, 1946, Serial No. 699,729
2 Claims. (Cl. 88—24)



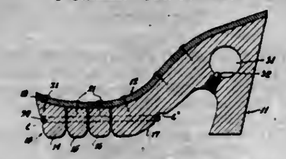
1. In an image-forming optical system having an optical axis, a spherical mirror, a substantially rectangular image source, a correcting plate defining an aperture of a diameter sufficiently large normally to permit coma effects to appear in the viewed image, and stop means for preventing such effects, said stop means being located generally in the plane of the correcting plate and being so configured with respect to the marginal shape of said image source that the diameter of the effective light-transmitting area of said stop means varies from a minimum, in the direction of the diagonal through said rectangular image source, to a maximum in the direction of the smallest dimension taken across said rectangular image source and passing through the optical axis.

2,470,199
CARTON AND SECONDARY CLOSURE THEREFOR
George Stewart Vivian, Surbiton, England
Application September 7, 1945, Serial No. 614,896
2 Claims. (Cl. 229—17)



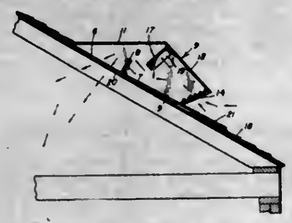
1. In a carton, the combination of, side walls, the centers of the upper edges of which are folded inwardly to form a bellows fold, and back and front walls flattened on either side of the top portions of said folded side walls to form a peaked roof, said back wall having a flap extending from the top thereof folded downwardly towards said front wall, said front wall having an area at the top thereof adapted to be torn downward and bent outward and downward to form an opening flap, the top edge of said opening flap overlying the edge of the downwardly folded flap of said back wall when the carton is in the initial sealed condition, the converging edges of said inwardly folded side walls confining the flow of material through said secondary opening when said flap is torn downward.

2,470,200
SHOE SOLE
Irving D. Wallach, Fort Washington, N. Y., assignor to Associated Development & Research Corporation, New York, N. Y., a corporation of New York
Application April 4, 1946, Serial No. 659,605
3 Claims. (Cl. 36—33)



1. A shoe sole comprising a plurality of adjacent, transversely extending, thick blocks which are normally in wall-to-wall abutting relationship and which collectively define the complete sole area, the bottom surfaces of said blocks being in a common plane and the respective abutting walls being normal thereto, the top surfaces of said blocks collectively defining a concave surface; and spring means extending through said blocks from the shank portion thereof to the toe and being normal to the said abutting wall surfaces of said blocks, said spring means being substantially symmetrical with respect to the toe-to-shank center line of the sole and secured at the ends thereof to articulate the respective blocks.

2,470,201
ROOF VENTILATOR
John F. Werner, Tracy, Minn.
Application August 8, 1947, Serial No. 767,566
1 Claim. (Cl. 98—42)



A roof ventilator comprising a base plate having an opening, an upwardly struck baffle at the front edge of the opening, a bottomless housing having its lower edges secured on top of said plate to enclose the baffle and covering the opening, said housing having an open front, a second baffle extending downwardly from the underside of the housing in front of the first baffle, a forwardly projecting lip on the upper edge of the first baffle and a forwardly projecting lip on the lower edge of the second baffle, and louvers supported at the open front of the housing.

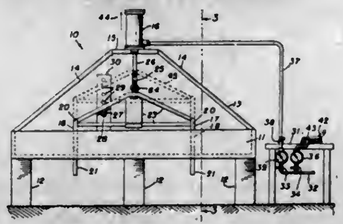
2,470,202
FILTERING PROCESS
Leonard Wickenden, Westport, Conn.
No Drawing. Application April 19, 1947, Serial No. 742,725
6 Claims. (Cl. 127—55)

1. In the purification of a sugar syrup prior to a decolorizing treatment, the improvement which comprises filtering by gravity flow through a filter bed comprising granular particles of coke having on the exterior surfaces thereof a coating of uncalcined diatomaceous earth to remove both suspended and coloring matter.

2,470,203
FILTER
Leonard Wickenden, Westport, Conn.
No Drawing. Application May 8, 1947, Serial No. 746,869
5 Claims. (Cl. 127—49)

1. An improved filter for the purification of solutions containing coloring and other organic impurities which comprises an admixture of particles of granular petroleum coke, some particles of which are coated with phosphoric acid and other particles of which are coated with a compound of a metal of the group consisting of calcium and magnesium which will react with the phosphoric acid to form an insoluble phosphate.

2,470,204
RADIATOR TESTING DEVICE
Dewey W. Wishon, Oak Ridge, Tenn.
Application April 3, 1947, Serial No. 739,202
1 Claim. (Cl. 73—51)



In a radiator testing device, the combination of a water tank supported in an elevated position, an upstanding frame provided at one edge of said tank, a set of vertical guides provided on said tank under said frame, a forwardly extending rack slidable in said guides and immersible in said tank, a pneumatic lift cylinder including a vertically reciprocable piston rod mounted on said frame, a connecting element secured to said piston rod and to said rack, an upright bar provided on said tank and formed with a vertical row of apertures, a locking bolt provided on said rack and receivable selectively in said apertures, a compressed air line connected to said cylinder, a radiator testing tube connected to said air line, and means for independently controlling air pressure in said cylinder and in said tube.

2,470,205
SOCKET ASSEMBLY
Marshall Homer Alidredge, Detroit, Mich., assignor to Thompson Products, Inc., a corporation of Ohio
Application April 20, 1944, Serial No. 531,885
8 Claims. (Cl. 287—90)

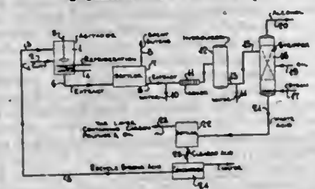
2. A tie rod joint assembly comprising a first socket member having a stem adapted to be secured to a tie rod, a second socket member nested in the first socket member having a stem adapted to be secured to a second tie rod, and a stud universally tiltable relative to both members and having a shank projecting through both members adapted to be secured to a steering arm.

5. A joint assembly comprising superimposed nested apertured socket members in universally tiltable and rotatable relation, said nested socket members forming a stack, and a stud having a head seated in one of said socket members at an



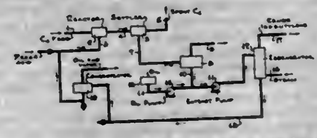
end of the stack in tiltable and rotatable relation therein together with a shank projecting from said head freely through the apertures of all of the socket members in the stack.

2,470,206
DISTILLATION OF ALCOHOLS FROM AQUEOUS MIXTURES OF ALKYL SULFATES AND SULFURIC ACID
Francis M. Archibald, Elizabeth, N. J., assignor, by mesne assignments, to Standard Oil Development Company, a corporation of Delaware
Application November 18, 1944, Serial No. 563,745
6 Claims. (Cl. 202—57)



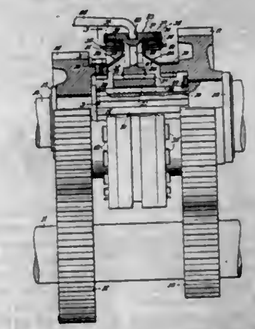
1. In a process for recovering alcohol from an aqueous mixture of alkyl sulfates and sulfuric acid, in which the acid has a concentration of about 45%, by distillation of the mixture to remove alcohol therefrom and wherein polymers, tars, and free carbon are formed as a result of the distillation, the improvement which comprises carrying out such distillation in the presence of a small amount of a hydrocarbon oil which is non-volatile under the distillation conditions and which is a flux for the polymers, carbon, tars, etc.

2,470,207
ISOBUTYLENE EXTRACTION
Bowman S. Garrett, Brooklyn, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 11, 1946, Serial No. 661,186
3 Claims. (Cl. 260—677)



1. In a system for the recovery of isobutylene from a predominantly C_4 hydrocarbon feed stock comprising isobutylene involving contacting the feedstock with sulfuric acid in a reaction zone under conditions to form an extract, followed by removal of the extract from the reaction zone to a regeneration zone where the extract is heated under a pressure substantially less than that in the reaction zone to cause vaporization of a major portion of the hydrocarbons from said extract and recovery of the sulfuric acid and recycling of the recovered sulfuric acid to the reaction zone, the step of adding a mineral oil boiling in the range of 400° to 900° F. to the thus circulated sulfuric acid in sufficient amount substantially to eliminate foaming in the regeneration zone.

2,470,208
SYNCHRONIZER
Frank W. Avila, Columbia City, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application April 9, 1945, Serial No. 587,409
14 Claims. (Cl. 192—53)

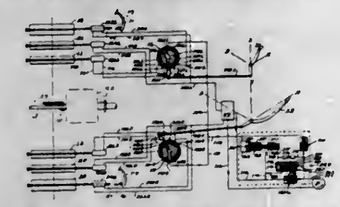


1. A synchronizer construction comprising a shaft, a driven member mounted on said shaft for rotation with respect thereto, an annular extension on said member, splines formed on said shaft, splines formed internally on said extension, a sleevelike member splined on said shaft for axial movement thereon, said sleevelike member being externally splined and engageable with the splines on said extension, a shifter member mounted on said sleevelike member for rotation therewith and for axial shifting thereof, said shifter member having an axially extending portion spaced from the sleevelike member, said portion being provided with an internally formed friction face, a synchronizer cone mounted for engagement with said face, means on the shifter member for limiting axial movement of said synchronizer cone, said synchronizer cone being formed internally with circumferentially spaced lugs forming slots therebetween, and a supporting structure for said synchronizer cone consisting of a spring structure having a cylindrical portion rigidly secured to the sleevelike extension of the driven member, and a plurality of spring fingers extending therefrom through the slots of the synchronizer cone, a substantial portion of said spring fingers being substantially narrower than said slots.

2,470,209
FLUID CONTROLLED VEHICLE CHANGE-SPEED STEERING APPARATUS
William O. Bechman, Chicago, and David B. Baker, Riverside, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application October 8, 1945, Serial No. 620,894
8 Claims. (Cl. 180—9.2)

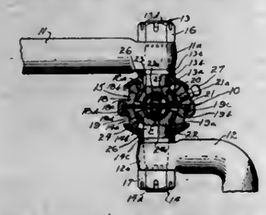
2. In a tractor propelled by units at opposite sides, change-speed gearing components for re-

spectively driving said propelling units, each gearing component comprising relatively low speed and high speed power trains for transmitting power in the same direction, sets of brakes respectively associated with each gearing component, each brake being associated with a respective power train of its gearing component and each being operable, when applied, to establish its power train in driving relation with its associated propelling unit, fluid actuated motors respectively for said brakes and operable to apply their brakes with a firmness constituting a function of the pressure of actuating fluid to which they are subjected, a source of motor actuating fluid, valve means respectively for each set of motors and operable to establish either individual



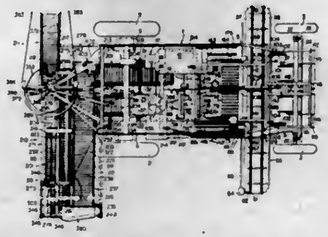
or concurrent communication between the brakes of its set and the source, pressure regulating means adjustable to change the pressure of the fluid imposable from the source onto the motors, valve operating means manipulatable to change each valve means from a status of individual communication establishment between one of its motors and said source to a status of individual communication establishment between the other of its motors and said source incident to creating an interim of concurrent communication of the motors with said source, and means operable under control of said valve operating means to adjust the pressure regulating means for modifying the pressure imposable on the motors to diminish the available firmness of brake engagement during said interim.

2,470,210
HIGH-ANGLE JOINT ASSEMBLY
James H. Booth, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 28, 1944, Serial No. 560,807
9 Claims. (Cl. 287—90)



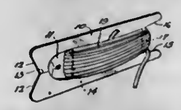
1. A joint assembly comprising a floating housing, studs having heads tiltably mounted in and carried by said housing and shanks projecting freely from said housing, and said housing being arranged to move with one stud relative to the other stud whenever the shank of said one stud strikes against the housing.

2,470,211
BEET HARVESTER
Virgil F. Bozeman, Sr., Moline, Claude W. Walz and Robert D. Griff, Rock Island, and Howard F. Clausen, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application October 7, 1944, Serial No. 557,696
12 Claims. (Cl. 55—9)



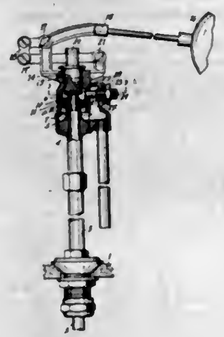
1. In a beet harvester, a frame, an elevator at the rear end of the frame, a clod separator unit positioned on the frame to discharge beets into said elevator, conveying means positioned on said frame, means on the frame and movable into and out of operative position for delivering beets from said conveying means to said clod separator unit, and means mounted on said frame and movable relative thereto, when said beet-delivering means is in its inoperative position, into a position for by-passing said clod separator unit and delivering beets from said conveying means directly to said elevator.

2,470,212
WINDER BOBBIN
Gustav A. Carlson, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a corporation of Illinois
Application February 20, 1947, Serial No. 729,815
1 Claim. (Cl. 242—96)



A winder bobbin, comprising a sheet body of substantially uniform thickness in cross-section throughout, providing a core for the receiving and winding of thread, a pair of arms at one end thereof extending outwardly to provide a winding recess therebetween, said body providing a straight wall between said pair of arms, a pair of arms extending outwardly and toward each other from an opposite end of said core to provide therebetween a closed winding recess, said second pair of arms extending outwardly and then inwardly along an inclination toward each other, the outer edges of said second pair of arms forming a V-shaped thread-guiding surface with the point of the V at the meeting surfaces of said last-mentioned arms and inwardly directed toward said closed recess, the recess provided by said arms being substantially half-moon shaped and providing a substantially straight wall at its inner side oppositely disposed to the straight wall provided between said first-mentioned pair of arms.

2,470,213
VALVE MECHANISM
Herbert D. Clemmons, Sturgis, Mich., assignor to Scovill Manufacturing Company, Sturgis, Mich.
Application December 4, 1944, Serial No. 566,589
4 Claims. (Cl. 277—51)

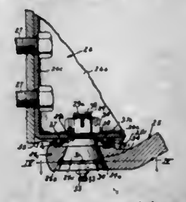


1. In a valve mechanism adapted for use on relatively high or relatively low water pressure systems, the combination of a valve body casing having an inlet chamber and a discharge chamber having a cylindrically walled portion aligned with said inlet chamber, an inlet pipe disposed centrally of said cylindrically walled portion of said discharge chamber and having a discharge nipple projecting into said inlet chamber, the end of said nipple constituting a valve seat, an inlet valve coacting with said valve seat, a resilient concavo-convex combined discharge and return check valve mounted on said inlet pipe to coact with the walls of said cylindrically walled portion of said discharge chamber and acting to yieldably resist the discharge of fluid from said inlet chamber to said discharge chamber and to prevent back flow from said discharge chamber to said inlet pipe, a by-pass passage connecting said inlet chamber to said discharge chamber and having a wall thereof spaced from said valve body casing and having a port opening through said valve body casing to said inlet chamber, said spaced wall of said by-pass passage having a threaded opening therein aligned with said port, and a threaded plug longitudinally aligned with said port and reversibly engageable with said threaded opening, said plug having an extension at one end thereof, said extension being of the diameter of the by-pass port and disposed to project into said by-pass port when said plug is arranged with its said extension inwardly, said plug being provided with a lock nut, said plug extension when in said port opening closing the same, said plug when reversed being spaced from said port opening and permitting passage of fluid therethrough, said concavo-convex check valve constituting means to yieldingly retard flow from the inlet chamber to said discharge chamber and to act as a silencer when the port opening is closed by said extension and the valve mechanism is used in relatively high pressure systems, said plug when reversed to open said port opening permitting the fluid to freely flow through the port opening from the inlet chamber to the discharge chamber, and adapting the valve mechanism for use in relatively low pressure systems.

2,470,214
SODA LIME
Charles H. Egan, Belmont, Mass., assignor to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application March 12, 1947, Serial No. 734,235
4 Claims. (Cl. 252—192)

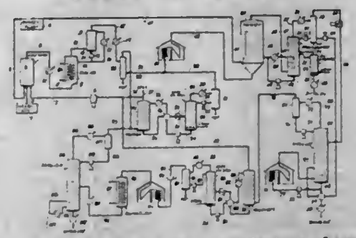
1. Soda lime rendered dust free by the incorporation in the same of a polymeric material selected from the class consisting of natural rubber, polyisophene, copolymers of butadiene and styrene, polychloroprene, and polyvinylidene chloride in an amount between one half of 1% and not over 4%.

2,470,215
SWIVEL JOINT
Matthew P. Graham, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application April 12, 1946, Serial No. 661,655
5 Claims. (Cl. 287—91)



5. A joint assembly comprising a mounting member, an arm having an eye end defining an internal bearing surface, a stud extending from said mounting member having a head in bearing engagement on the bearing surface of said eye end, said eye end having a recessed portion on one face thereof defining a ledge therearound, an unbowed tubular seal ring seated in said recess, spring means between the shank of the stud and said seal ring urging the side walls of said ring into engagement with said ledge, and means for urging the end of said seal ring into sealing engagement with the bottom wall of the bracket.

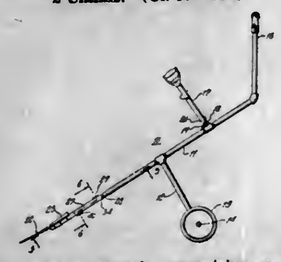
2,470,216
PROCESS FOR SYNTHESIZING MOTOR FUELS OF HIGH ANTIKNOCK VALUE
Percival C. Keith, Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y.
Application June 21, 1945, Serial No. 600,734
8 Claims. (Cl. 260—449.6)



1. In the process for the manufacture of gasoline hydrocarbons by the generation of synthesis gas consisting essentially of carbon monoxide and

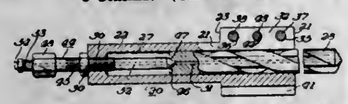
hydrogen and by the catalytic conversion of said synthesis gas at elevated temperature and pressure to products including normally liquid hydrocarbons and carbon dioxide, the improvement which comprises passing in vapor phase said normally liquid hydrocarbons in the presence of at least about 2 mols of carbon dioxide for each mol of normally liquid hydrocarbon in contact with a solid, mineral-type contact agent, adapted to improve the antiknock value of gasoline hydrocarbons, in a treating zone at an elevated temperature to convert said normally liquid hydrocarbons to gasoline hydrocarbons of improved antiknock value, withdrawing a treated product stream from said treating zone, and recovering said gasoline hydrocarbons from said treated product stream.

2,470,217
SNOW SHOVEL
Arthur J. McLoughlin, Elmhurst, N. Y.
Application April 19, 1947, Serial No. 742,617
2 Claims. (Cl. 37—130)



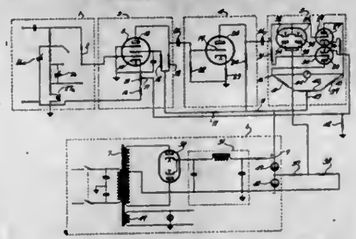
1. A portable shovel, comprising a tubular boom, running gear disposed approximately midway thereof, a pair of handle bars carried by the inner extremity of the boom, one of said bars being rotatable, a scoop hinged at the outer terminal of the boom, a latch controlling the hinge, and a flexible connection trained through the boom and cooperative with the rotatable bar to release the latch and dump the scoop.

2,470,218
TOOLHOLDER
Charles J. McNamara, Crafton, Pa., assignor to N. R. McNamara and C. F. Coate, doing business as Precision Instrument & Manufacturing Company, Pittsburgh, Pa., a partnership
Application February 24, 1945, Serial No. 579,531
5 Claims. (Cl. 279—46)



1. In an integral rotary tool holder the combination of a shank the perimetral surface of which is arranged to mate with the tool holder receiving surface of a machine, a split head on the outer end of the shank, a bore extending through the head into the shank and concentric to the latter to receive a tool having substantially the same diameter as the bore, means to contract the split head and clamp the shank of the tool in the bore independent means for expanding the head after the clamping means has been retracted to release the tool from the chuck, a threaded opening in the shank end of the tool chuck, a stop screw fitting the threaded opening and arranged to engage the inner end of the tool, and a nut to lock the stop screw and gauge the insertion of the tool in the bore.

2,470,219
LINEAR RESPONSE VACUUM TUBE VOLTMETER
Roy A. McNaughton, Emporium, Pa., assignor to Sylvania Electric Products Inc., Emporium, Pa., a corporation of Massachusetts
Application March 7, 1944, Serial No. 525,355
8 Claims. (Cl. 171—95)

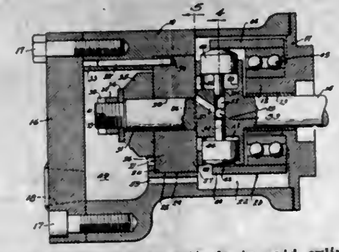


1. A vacuum-tube voltmeter comprising input terminals to receive alternating current voltages to be measured, output measuring terminals, an indicating meter connected to said output terminals; and in sequence between the said input terminals and the output terminals an alternating preamplifier, a half-wave rectifier, a pair of grid-controlled amplifier tubes each having a cathode, a control grid and an anode, said tubes having their respective grids connected in unbalanced relation to said rectifier, a rectifier load resistor connected between the grids of said tubes, a resistance bridge connected across the anodes of said amplifier tubes, a source of D. C. anode supply voltage adjustably connected to said bridge, said indicator device being connected across said anodes, a first resistor connected between the cathodes of said amplifier tubes, a second resistor connected in series with said first resistor and ground, said first resistor being proportioned with respect to the second resistor to compensate for the contact potentials applied to the grid of first amplifier tube through said rectifier tube, and D. C. negative feedback means connecting said second resistor to said preamplifier to maintain a linear relationship between the signal indications on said indicator and the voltages of the signals applied to said input terminals.

2,470,220
PUMP
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 11, 1943, Serial No. 501,985
20 Claims. (Cl. 103—161)

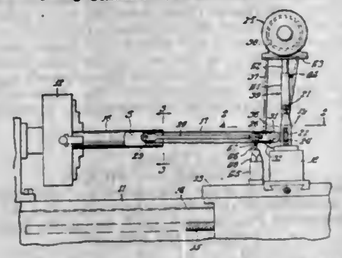
1. In a pump, a rotor having radially directed cylinders opening into its outer periphery, ports communicating with such cylinders, a closed fluid-containing chamber centrally of the cylinders, and bores communicating between the cylinders and said chamber; pistons reciprocable in said cylinders with an in and out motion radially of the rotor and comprising auxiliary portions disposed reciprocably in said bores to communicatively isolate their cylinders from said

chamber and in pressure imposing relation with the fluid in said chamber; a member having a circular force-reaction surface circumscribing the rotor in eccentric relation with the rotor axis to restrain outward axial movement of the pistons by the action of centrifugal force thereon during rotation of the rotor and to complement such centrifugal force in causing in and out pumping action of the pistons and their



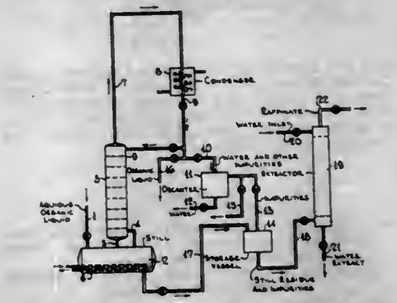
auxiliary portions respectively in said cylinders and said bores; and the chamber being operable through the medium of said fluid therein to transmit force from each auxiliary piston portion, as it is moved inwardly, outwardly upon the other piston portions for supplementing the centrifugal force in constantly maintaining the pistons in outward force exerting relation with the ring-like member.

2,470,221
APPARATUS FOR AND METHOD OF DRESSING CYLINDRICAL SURFACES
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application April 2, 1945, Serial No. 586,182
3 Claims. (Cl. 51—261)



1. In apparatus utilizable with a mechanism comprising parts capable of relative movement along a line of approach and retraction and for dressing a cylindrical surface of a body while it is supported upon one of said parts and rotated coaxially of such surface about an axis in parallelism with such line of movement; the combination of an arm, means adapted to mount said arm on the other of said parts in a position reaching toward the one thereof, belt-carrying means comprising rollers spaced lengthwise of said arm and of which at least one is mounted on the reaching portion thereof for rotation about an axis transverse thereto, the axial surface elements in the circumferential periphery of said roller being convexly curved, said rollers being adapted to rotatively carry a dressing belt while presenting flights thereof lengthwise of the arm and on opposite sides thereof and said arm mounting means being adapted to adjust said arm laterally within a plane normal to the roller axes, a dressing belt on said rollers, the other of said rollers being adapted to be motor driven for rotating the belt, a driving motor unitarily assembled with said arm mounting means and means drivingly connecting the motor and said other roller.

2,470,222
DISTILLATION OF ALCOHOLS CONTAINING IMPURITIES LESS SOLUBLE IN WATER
John A. Patterson, Westfield, N. J., assignor, by mesne assignments, to Standard Oil Development Company, a corporation of Delaware
Application August 10, 1944, Serial No. 548,922
10 Claims. (Cl. 202—42)

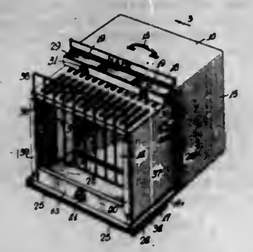


9. An improved process for purifying an oxygen-containing organic compound having substantial solubility in water, said compound being in a crude aqueous liquid mixture contaminated by organic impurities having less solubility in water, which comprises distilling from said mixture a low boiling distillate of said compound with water and impurities in a distillation zone, combining a water immiscible organic liquid into a solution with said impurities of the distillate, extracting the compound to be purified from said solution with water, returning the resulting water extract from said solution to said distillation zone, and withdrawing from said distillation zone a fraction of the compound to be purified.

2,470,223
COMBINATION ANIMAL CARRIER AND DISPLAY PEN
John Powels, New York, N. Y.
Application March 10, 1945, Serial No. 582,101
2 Claims. (Cl. 119—19)

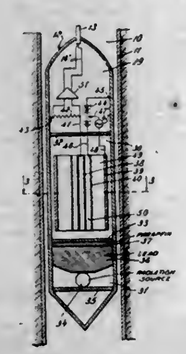
1. A combination animal carrier and display pen including a rectangular outer box complete in itself and having a bottom, a top, side walls and end walls, one of said end walls being hinged at its bottom to swing downwardly into alignment with said bottom to form a forward extension thereof, and a cage-like member dimensioned to telescope into and out of said box when said side wall is swung downwardly to open position, said cage-like member having a top, a bottom, side walls and a front wall, the cage being open at its rear whereby when the hinged side wall of the box is swung downwardly and the cage-like member withdrawn to its extended relation the compartment of the carrier will be enlarged; and means for guiding said cage-like member

in its outward movement and for holding and supporting it in its extended relation, said means comprising rails on the inner face of the bottom of the cage parallel to and adjacent the side edges thereof and rails on the inner face of said hinged



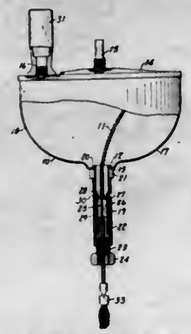
wall also parallel and adjacent its side edges, said last-mentioned guide rails being so located that when the hinged wall is moved downwardly to form an extension of the bottom, they will be in alignment with the guide rails adjacent the side edges of the bottom wall.

2,470,224
IONIZATION CHAMBER
Serge Alexander Scherbatskoy, Tulsa, Okla., assignor to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware
Application December 6, 1944, Serial No. 566,902
7 Claims. (Cl. 250—83.6)



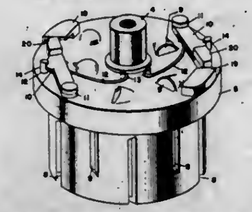
1. An ionization chamber adapted for use in detecting ionizing radiation that comprises in combination a casing, an ionizable medium in said casing under superatmospheric pressure, a pair of electrodes disposed in said casing and spaced from each other, a third electrode disposed between said electrodes, means for placing a direct potential across at least two of said electrodes and means for impressing an alternating potential across the third electrode and one of the pair of electrodes, the other one of said first recited pair of electrodes being a current collecting electrode and means for conducting the current collected to a point outside the ionization chamber.

2,470,225
PLUMBER'S SEWER SNAKE APPARATUS
Abraham Silverman, Pittsburgh, Pa.
Application April 3, 1948, Serial No. 18,797
1 Claim. (Cl. 15—104.30)



In plumber's sewer snake apparatus, the combination with a flexible sewer snake of a shell in which the snake may be coiled, said shell having a floor closing one of its ends and a feed aperture in its wall through which the snake may be projected, a tubular neck member fixed to the shell and axially aligned with the feed aperture, the outer portion of the bore of the neck member being internally threaded, a tubular clamp member exteriorly threaded and arranged to be screwed into the bore of the neck member and through which the snake may be projected, an annularly arranged set of gripping fingers formed at the inner end of the clamp member, a sleeve rotatably mounted on the neck member and arranged to be gripped by one hand of the operator while the shell is rotated to rotate the snake in the sewer, said sleeve being held against longitudinal movement relative to the neck member by nested annular depressions in the walls of the neck member and the sleeve, the inner surface of the depression in the wall of the neck member forming means engageable by the gripping fingers to clamp said fingers against the snake as the tubular clamp member is screwed into the bore of the neck.

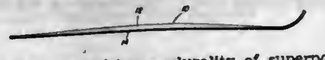
2,470,226
CAP-SECURING MEANS
Harry Dewey Weaver, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application February 28, 1945, Serial No. 580,236
1 Claim. (Cl. 220—55)



A cap for a cylindrical container and formed with a pair of diametrically opposite holes adjacent the rim thereof, an upstanding hub integral with said cap threaded to receive a shaft adapted

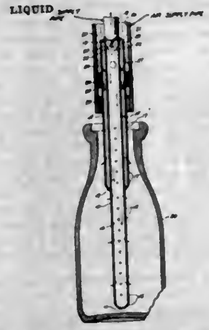
to be rotated at high speeds, a pair of latches pivoted substantially at the rim of said cap and in close proximity to said holes, a pair of notched upstanding pins on the rim of said container adapted to be received and project through said holes, a notch engaging edge on said latch for engaging the notched pins to hold the container attached to said cap, a pair of finger grips on said latches beyond said upstanding pins, said latches terminating in short flat sections beyond said finger grips, guide members integral with said cap engaging and housing the free end of said latches to insure movement of said latches in a plane parallel to the top of said cap, and means for normally holding said latches in engagement with said upstanding notch pins.

2,470,227
SKI
Carl L. Wheeler, Albuquerque, N. Mex.
Application September 15, 1947, Serial No. 774,024
2 Claims. (Cl. 280—11.13)



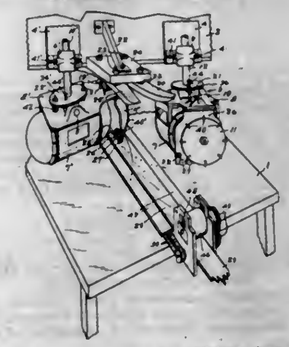
1. A ski comprising a plurality of superposed layers of material, the lower layer of which consists of fiber glass, and means for bonding said layers together.

2,470,228
APPARATUS FOR COOLING HOLLOW GLASSWARE
William E. Aksomitas, Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application June 5, 1942, Serial No. 445,900
4 Claims. (Cl. 49—45)



1. In apparatus for use in tempering hollow glass articles, a cooling nozzle having a body suitable to be projected into the interior of a hollow glass article, said body comprising an inner tubular member closed at one end, a second tubular member surrounding said first-named tubular member for only part of the length of the latter so that the closed end portion of the inner tubular member projects a substantial distance beyond the second tubular member, said second-named tubular member being of sufficiently greater diameter than the first-named tubular member to provide an annular passage between itself and the first-named tubular member, said first-named tubular member having longitudinally spaced jet holes in a wall of the portion thereof projecting beyond said second-named tubular member, the latter also having longitudinally spaced jet holes in a wall thereof, a liquid supply pipe located at the end of the first-named tubular member opposite the closed end of the latter and having liquid spray discharge holes arranged to direct a spray of liquid into the interior of the first-named tubular member, said first-named tubular member having air intake openings in its wall adjacent to the last-named end thereof, and air supply means arranged to deliver air both to said air intake openings and to the annular passage between said second-named tubular member and said first-named tubular member.

2,470,229
PATCH CUTTING MACHINE
Victor E. Anderson, Pacific, Wash.
Application April 7, 1944, Serial No. 530,015
10 Claims. (Cl. 144—2)

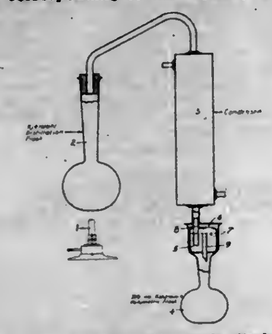


1. In a patch cutting machine, two motors each having a substantially horizontal driven shaft; two circular cutting members on the respective driven shafts beyond the ends of the motors; means supporting said two motors for rotary movement about two substantially parallel axes which are substantially vertical and are spaced apart and respectively disposed substantially perpendicular to said driven shafts and substantially mid way between the two ends of each of said motors, said axes of rotation of said motors being relatively positioned so that the paths of movement of said two circular cutting members will intersect and overlap as said motors are rotatively moved; and means for rotatively moving said two motors in constant angular directions and at the same angular speed and with the driven shafts of said two motors in relatively offset angular relation thereby avoiding interference of said cutting members where their paths of movement overlap.

2,470,230
DISTILLATION VAPOR LOSS DETECTOR
Arthur A. Andreasen and George M. Rust, Louisville, Ky., assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky., a corporation of Indiana
Application October 25, 1944, Serial No. 560,320
1 Claim. (Cl. 202—185)

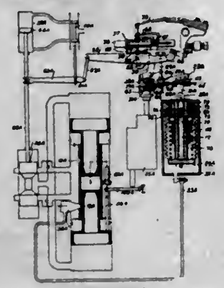
In the art of distilling materials and continuously condensing and collecting the condensate

for the quantitative determination of volatile constituents thereof by subjecting a sample of the material to a distilling operation in an apparatus including a still and a condenser, a method of determining and maintaining a relatively constant and maximum rate of distillation substantially corresponding to the capacity of the con-



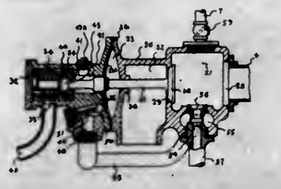
denser, comprising: continuously discharging all of the material from the condenser into an externally visible liquid bath at a point below the level of the liquid so that uncondensed vapors discharged into the bath will bubble visibly through the bath; and maintaining a rate of distillation in the still slightly below that rate at which bubbles appear.

2,470,231
INTERNAL-COMBUSTION OPERATED FREE-PISTON MACHINE
Evelyn Stewart Lansdowne Beale, Staines, England, assignor to Alan Muntz & Company Limited, Hounslow, England, a company of Great Britain
Application June 30, 1943, Serial No. 492,865
In Great Britain June 25, 1942
30 Claims. (Cl. 123—46)



1. An internal-combustion-operated free-piston gas-generator, including a power cylinder, a power piston therein, an air-compressor cylinder, a compressor piston therein and connected to said power piston to form a free-piston assembly, said compressor cylinder being arranged to scavenge said power cylinder, and the mixture of combustion products and excess scavenge air delivered under superatmospheric pressure constituting the motive gas generated, means for maintaining a pneumatic cushion capable of receiving energy from said free-piston assembly during the expansion stroke in the power cylinder and of returning energy to said assembly during the compression stroke in the power cylinder, cushion-control means operable while the gas-generator is running for varying the quantity of gas in the cushion, a dead-point follower responsive to change in the inner dead point of the free-piston assembly, means responsive to change in the delivery pressure of the gas-generator, and a differential device capable of compounding the responses of said inner dead point follower and said pressure responsive means and thereby yielding a control influence for said cushion control means such that the quantity of gas in said cushion is increased and reduced as necessary to reduce changes in the overall compression ratio.

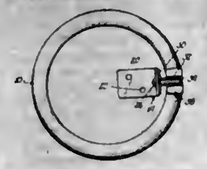
2,470,232
PRIMING DEVICE
Maxwell Kennedy Bennett, New Westminster, British Columbia, Canada
Application May 9, 1945, Serial No. 592,837
7 Claims. (Cl. 103—113)



1. A primer for gas engine driven centrifugal pumps having a non-return valve on the delivery outlet comprising a casing including an exhaust receiving chamber, an exhaust outlet chamber, a diaphragm housing and a pressure chamber, said pressure chamber being adapted to be connected to the pump delivery and said exhaust chamber being adapted to be connected to the exhaust manifold, a normally closed valve forming communication between the exhaust chamber and the exhaust outlet chamber, a diaphragm in the diaphragm housing for opening said normally closed valve, an ejector in open communication with the exhaust chamber and adapted to be operated by exhaust gas entering said chamber, a suction passage forming part of the ejector, a pipe connecting the suction passage with one side of the diaphragm housing and a water passage between said side of the diaphragm housing and the pressure chamber.

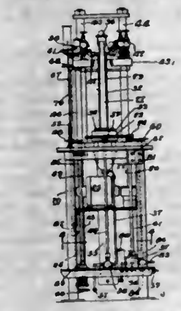
2,470,233
FESTOON BRACKET
James H. Boye, Chicago, Ill., assignor to James H. Boye Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 13, 1945, Serial No. 616,022
6 Claims. (Cl. 160—330)

6. A drapery ring support comprising, in combination, a bracket for securement to a supporting structure, said bracket having a plurality of openings formed therein adjacent the free end thereof, an adapter including a base portion providing spaced projecting supporting prongs, a securing screw releasably securing the adapter to the bracket adjacent the free end thereof whereby the adapter may be rotated about said screw as an axis when the same is released, means on the base of the adapter having coacting relation with said openings in the bracket for holding the adapter in adjusted rotative position, and a



drapery ring having transverse recesses for receiving the supporting prongs whereby said ring is releasably fixed to said adapter.

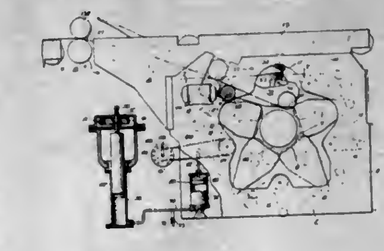
2,470,234
APPARATUS FOR FORMING PRECISION-BORE TUBING OR THE LIKE
Nathaniel Brewer, Newtown, Pa., assignor to Fischer & Porter Company, Hatboro, Pa., a corporation of Pennsylvania
Application December 20, 1944, Serial No. 568,980
15 Claims. (Cl. 49—7)



1. For forming a precision-bore, a mandrel adapted to receive an oversize thermoplastic tube, means operatively associated with said mandrel for evacuating the annular space intermediate said mandrel and said tube, means for heating said tube adjacent one end thereof, and means for automatically moving said heating means along said tube responsive to collapse of the heated evacuated tube upon said mandrel, said last-mentioned means including a nozzle disposed adjacent said tube and movable with said heating means, means for supplying air under relatively constant pressure to said nozzle, and a switch actuated by change in air pressure within said nozzle and adapted automatically to regulate movement of said heating means, said switch being adapted to start movement of said heating means when pressure within said nozzle drops due to collapse of said tube upon said mandrel and being adapted to stop movement of said heating means when pressure within said nozzle rises due to the nozzle coming to an uncollapsed portion of said tube.

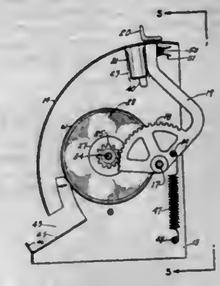
2,470,235
COILING MACHINE FOR STRIP MATERIAL
Benjamin S. Burrell, East Chicago, Ind.
Application August 31, 1944, Serial No. 552,192
12 Claims. (Cl. 242—78)

12. In a machine for coiling metal strips, the combination of a plurality of movable coil forming elements including a coil forming roller adapted to provide a substantially enclosed circular unobstructed coiling space, a guide frame journalling said coil forming roller at one end of the frame, means supporting the other end of the frame in a manner providing for lateral adjustment of said frame at the end journalling



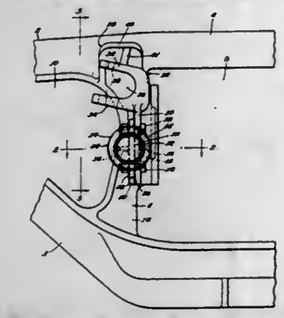
the roller whereby said roller is adjustable laterally to guide said strip and align the marginal edges, and other means supporting the frame and thus the roller for adjustment toward or from the coiling space to secure the proper pressure relation thereof on the coil as the same is being formed.

2,470,236
PACKAGE OPENER
Elliot Charlop, New York, N. Y.
Application September 5, 1945, Serial No. 614,555
26 Claims. (Cl. 30—2)



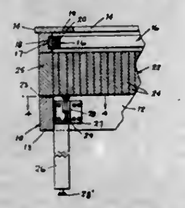
23. A cigarette package opening device comprising means for moving the package through the device, means for slitting the package partly across near one end at one location on the path traversed by the package through the device, and a member mounted on the device to project into said path, said member being located on the device to be passed by the package as it is moved through the device after the package has been slit, the projection of said member causing it to push against the package at the package's opposite end from where slit for causing one or more cigarettes to project from the package at the slit as the package is moved by said member.

2,470,237
SIDE FRAME AND BRAKE SUPPORT STRUCTURE
Claus J. Werner Clasen, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 17, 1947, Serial No. 761,598
6 Claims. (Cl. 188—205)



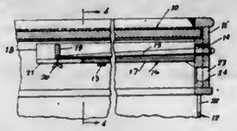
1. In a railway car truck, a side frame comprising a compression member and an upright column connected thereto, said column being of U section and comprising inboard and outboard walls and an intermediate wall connecting said inboard and outboard walls, a bracket on the inboard side of said frame integrally formed on said inboard wall of said column and the inboard side of said compression member and comprising a substantially vertical rectangular web extending laterally of said frame, a jawlike structure formed on the upper portion of said web and comprising spaced hanger-suspending elements, a web connecting one of said elements with said compression member and merging with the top edge of said first-mentioned web, said first-mentioned web being formed and arranged to afford support and connection for an associated brake part beneath said jawlike structure.

2,470,238
SHUFFLEBOARD-BILLIARD TABLE WITH REPLACEABLE TOP
Ernest Correale and Joseph Correale, Jersey City, N. J.
Application May 9, 1946, Serial No. 668,402
1 Claim. (Cl. 273—6)



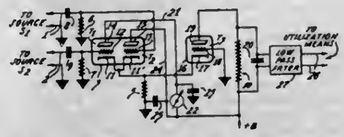
In a shuffleboard-billiard table having a frame provided with side walls, rebound cushions for shuffleboard weights mounted on the inner faces of said walls a short distance down from the top edge thereof, said side walls having openings through which a shuffleboard-like top may be engaged to a position a short distance beneath said rebound cushions, a shuffleboard-like top engaged in said position and extending across said frame and having its sides engaging into the said openings in said side walls, and means for releasably forcing said shuffleboard-like top upwards so that its sides are clamped against the top faces of said openings in said side walls in order that said shuffleboard-like top does not work its way outwards of the openings in said side walls due to vibrations while players throw shuffleboard weights across said shuffleboard-like top and against said rebound cushions.

2,470,239
POOL TABLE WITH ADJUSTABLE CUE RACK
Ernest Correale and Joseph Correale, Jersey City, N. J.
Application August 22, 1946, Serial No. 692,253
1 Claim. (Cl. 273—11)



The combination with a pool table having a side wall provided with a plurality of openings for pool cues to be engaged into in order to have inner ends inwards of said side wall and outer ends outwards of said side wall and a support rack behind said side wall having a bottom support wall upon which the pool cues are rested as they project slightly from said openings, an end wall on said bottom support wall forming an abutment for the inner ends of said pool cues for controlling the amount that the outer ends of the pool cues project from said openings, and clamp screws slidably passing through elongated openings formed in said bottom support wall and engaging and holding said end wall in selected positions.

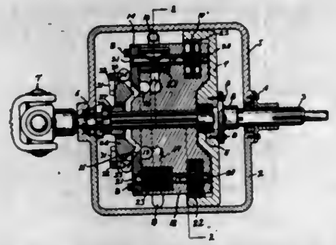
2,470,240
LIMITING DETECTOR CIRCUITS
Murray G. Crosby, Upper Montclair, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1945, Serial No. 608,018
17 Claims. (Cl. 250—27)



1. In a radio communication system comprising at least two sources of high frequency waves of a common frequency, a pair of electron discharge devices each having at least a cathode, control grid and anode, a resistive impedance common to the space current paths of said devices connected from the cathodes of the devices to a point of relatively fixed potential, means for applying the waves from each source to a respective one of the grids with the waves applied to at least one grid being of saturation amplitude, a third electron discharge device including at least a cathode, control grid and anode, means connecting said impedance in the space current path of the third device between the cathode thereof and said point, means

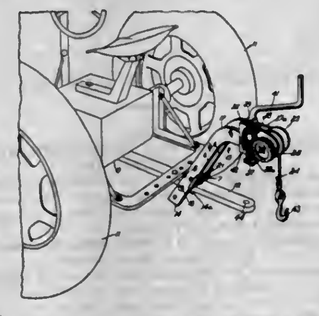
establishing the control grid of the third device at a fixed potential relative to its cathode, and an output resistive impedance in circuit with the third device anode.

2,470,241
ROTARY HYDRAULIC FLUID TRANSMISSION MECHANISM
Ray Diard, Newport, Wash.
Application March 29, 1948, Serial No. 17,716
6 Claims. (Cl. 192—61)



1. In power transmission mechanism of the hydraulic and gearing type, the combination with a housing forming an interior motive fluid chamber, a drive shaft and an axially alined driven shaft journaled in the housing, a driving head within the housing and rigid with the drive shaft, and a rotor rigid with the driven shaft and having a motive fluid transfer system in communication with said chamber, of planetary gearing coupling the drive head with the rotor, a plurality of hydraulic pumps for said system within the rotor and actuated by said gearing, and speed responsive centrifugally operated valve mechanism carried by the rotor for controlling the motive fluid transfer system.

2,470,242
LIFT ATTACHMENT FOR TRACTOR DRAWBARS
Urban S. Feising, Chosen, Fla.
Application May 15, 1946, Serial No. 669,958
5 Claims. (Cl. 254—166)



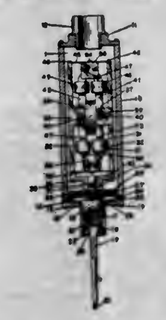
1. A lift attachment for a tractor drawbar for elevating a machine to be pulled into a coupling position with the drawbar comprising, a pair of oppositely arranged transversely spaced upright frame members adapted to receive the drawbar therebetween, a pair of transverse vertically spaced support members adjacent one end of said frame members for engaging opposite sides of the drawbar to support said frame members in an upright position on said drawbar, a winding drum rotatably supported adjacent the other end of said frame members, a cable windable on said drum adapted for connection with the machine to be pulled, and means at said other end of the frame members for rotating said winding drum.

2,470,243
PRINTING APPARATUS
George O. Frostad, Milwaukee, Wis.
Application April 16, 1945, Serial No. 588,537
7 Claims. (Cl. 101—247)



1. Ribbon stock printing apparatus comprising, a frame, an impression cylinder journalled for rotation upon said frame about a fixed axis, a type cylinder coacting with said impression cylinder and being journalled for rotation upon said frame about a fixed shaft disposed beyond the periphery of said impression cylinder, a driving sleeve for said type cylinder surrounding but spaced from said shaft, means for effecting adjustment of said type cylinder longitudinally of said driving sleeve and across the face of said impression cylinder, and a pair of normally stationary but relatively adjustable and eccentric sleeves interposed in the space between said driving sleeve and said fixed shaft for effecting adjustment of said type cylinder toward and away from said impression cylinder.

2,470,244
ELECTRICAL REPRODUCING STYLUS
Robert A. Fryklund, Somerville, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application September 7, 1946, Serial No. 695,571
6 Claims. (Cl. 323—51)



1. In a system for reproducing the same relative motion between a work piece and cutter as

between stylus and pattern, a stylus member, a supporting frame therefor including a flanged element and a supporting ring upon which the flanged element rests, an electromagnetic means comprising a coil and linking core and a pair of coil and core linking elements independently linking the first coil and core element, means supporting said first coil and core element by spring suspension from said pair, said means having a bearing element bearing against said flange, a pair of coil and core elements being suspended in fixed position with regard to said other coil and core whereby motion of the stylus will move said coil and core with respect to said pair.

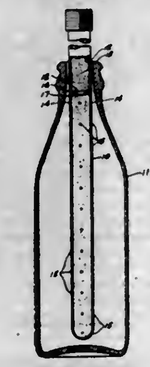
2,470,245

METHOD OF COOLING THE INTERNAL SURFACE OF A BOTTLE, JAR, OR OTHER HOLLOW GLASS ARTICLE

Thomas D. Green, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application June 5, 1942, Serial No. 445,911

3 Claims. (Cl. 49—89)



1. The method of cooling the internal surface of a bottle, jar or other hollow glass article, as in tempering, which comprises applying distributed cooling jets thereto such that the fluid of the jets applied to one portion of said internal surface has less moisture content and cooling effect than the fluid of the jets applied to a different portion of said surface.

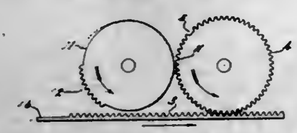
2,470,246

MECHANICAL MOVEMENT

Robert Heisman, Los Angeles, Calif.

Application September 14, 1946, Serial No. 697,019

6 Claims. (Cl. 74—32)



1. A mechanical movement comprising a driven segmental gear, a rack engaged by said segmental gear, and an idler gear constantly meshed with said rack and positioned to be engaged by said segmental gear after said segmental gear disengages said rack.

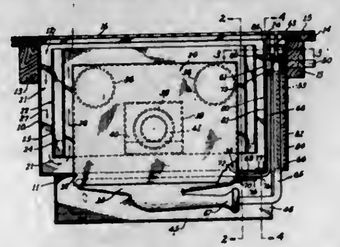
2,470,247

FLUID FUEL BURNING FLOOR FURNACE

James Stanley Johnson, Pasadena, Calif.

Application August 28, 1944, Serial No. 551,557

22 Claims. (Cl. 126—116)



1. In a heating unit for installation in the floor of a building, said floor being disposed a distance above the ground sufficient to receive the heating unit when lowered through an opening of the floor, said heating unit including in combination: an outer casing having an open top and adapted for suspension in said opening to be disposed below said floor; a combustion-chamber structure fixed within said outer casing and spaced therefrom to define a circulating-air passage, said combustion-chamber structure defining a combustion chamber; a burner for burning fuel in said combustion chamber; means for conducting products of combustion from said combustion chamber; fuel-control means disposed within said outer casing below floor level but near the upper end of said outer casing to be accessible through the open top of said casing, said burner being located below said fuel-control means; a fuel-conducting pipe extending downwardly from said fuel-control means to said burner; a pilot extending into said combustion chamber, said pilot being disposed below said fuel-control means; a pipe means including a pilot-connected portion extending to and communicating with said pilot to supply fuel thereto, said pipe means including an upwardly-extending portion; and wall means within the outer confines of said outer casing and providing an upright space separated by said wall means from said circulating-air passage, said pipe means extending downwardly in said upright space.

2,470,248

ELECTRON DISCHARGE TUBE WITH METAL FOIL ELECTRODE

Johan Lodewijk Hendrik Jonker and Gesinus Diemer, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application August 17, 1946, Serial No. 691,334

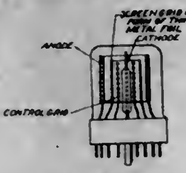
In Belgium May 1, 1945

Section 1, Public Law 690, August 8, 1946

Patent expires May 1, 1965

4 Claims. (Cl. 250—27.5)

1. An electron discharge tube comprising a cathode, an anode and an auxiliary electrode interposed between said cathode and anode, said auxiliary electrode comprising a metal foil having a thickness of the order about 0.1μ to 0.2μ and having at potentials thereof of the order of 3 volts



positive relative to said cathode an electron permeability of the order of 30% to 50%.

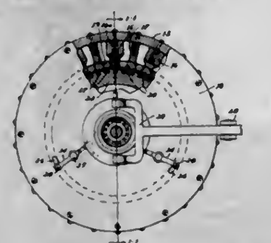
2,470,249

PERMANENT MAGNET FIELD COUPLING

Samuel Karasick, Great Barrington, Mass.; Mary K. Karasick executrix of Samuel Karasick, deceased

Original application September 6, 1940, Serial No. 355,663, now Patent No. 2,376,150, dated May 15, 1945. Divided and this application April 27, 1945, Serial No. 590,707

9 Claims. (Cl. 172—284)



1. In a magnetic device, a circular unit containing spaced flux-carrying members radially arranged therein, a second circular unit provided with flux producing members, each member comprising a permanent magnet and a spaced part of soft ferrous material joined thereto to constitute opposite poles, the poles of said members being radially arranged in a pattern like that of the flux-carrying members, and means for relatively moving said units to bring said flux-producing members into contact with said flux-carrying members to develop a holding condition and being movable to a position out of contact therewith to introduce a high reluctance gap between said flux-producing members and flux-carrying members.

2,470,250

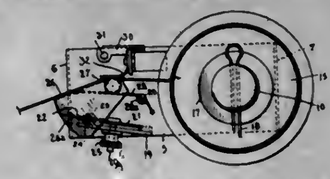
BELT CARRIED TAPE HOLDER FOR ELECTRICAL WORKERS

David Kienle, New York, N. Y.

Application February 6, 1946, Serial No. 645,788

1 Claim. (Cl. 242—55.4)

An electrical tape holder comprising a main frame plate adapted to be connected to a strap, a stub shaft connected to the plate and extending laterally therefrom and adapted to support rolls of electric tape, means removably connected to the stub shaft to prevent the displacement of the tape rolls therefrom, a member secured to the main frame plate and extending laterally therefrom and parallel to the stub shaft, cutting blade means secured to said member, a second member secured to the main frame plate and extending laterally therefrom above the first member and parallel thereto, a spring biased guard pivoted on the second member and adapted to be extended over the cutting blade means and serve as a support for the tape strips which have been freed from the rolls, a lever pivoted upon



the main frame plate and having a portion extending laterally above the tape strips and over the guard, pressure feet secured to said portion and engaging with the tape strips and guard to hold the tape strips upon the guard, said lever with the pressure feet being adapted to be elevated out of the path of the tape to permit the insertion of new rolls of tape.

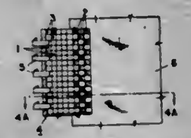
2,470,251

SLIDE FASTENER

Oswald Kolbert, Flushing, and Albert Sherman Messer, Ozone Park, N. Y., assignors to Waldes Kohinoor, Inc., Long Island City, N. Y., a corporation of New York

Application February 3, 1947, Serial No. 726,106

5 Claims. (Cl. 139—384)



1. In a stringer for a slide fastener providing closure means for an article, a woven fabric tape adapted to carry a bead along its longitudinal front edge, the longitudinal front edge zone of said tape being woven in part from threads or yarns of natural fibers which are arranged longitudinally, whereby the tape is substantially non-stretchable in the direction of its length, and the longitudinal rear edge zone of said tape which is adapted to be connected to the article being woven in part of threads or yarns of thermoplastic material, whereby the tape may be heat-sealed to the article along said rear zone.

2,470,252

HYDRAULIC PUMPING JACK WITH CONTROL RESPONSIVE TO ABNORMAL CONDITIONS

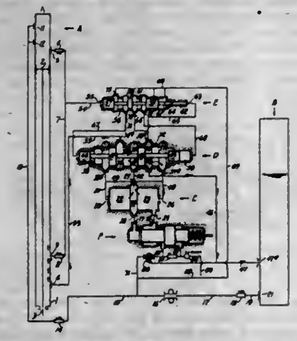
Samuel Clyde Kyle, Berkeley, Calif., assignor to The Pelton Water Wheel Company, San Francisco, Calif., a corporation of California

Application November 9, 1945, Serial No. 627,597

6 Claims. (Cl. 60—51)

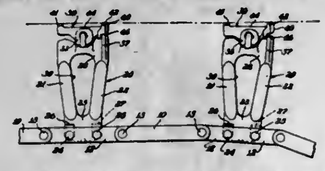
6. A hydraulic pumping jack system comprising a hydraulic jack; a hydraulic reservoir; a main pumping circuit for the circulation of fluid between said reservoir and said jack and from which drain fluid flows; a drain pumping cir-

cuit for restoring said drain fluid to said reservoir; and means responsive to excessive drain



fluid in said drain pumping circuit for reducing said circulation in said main pumping circuit.

2,470,253
CONVEYER CARRIER BLADES WITH EQUALIZER TOPS
Earl A. Lerner, Chicago Heights, Ill., assignor to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
Application June 8, 1946, Serial No. 675,511
11 Claims. (Cl. 198—189)



4. In a conveyor for heat treating furnaces, the combination including a carrier member having means for securing it to said conveyor, said carrier member having an open frame-like construction embodying spaced upright supporting elements and a connecting web therebetween, spaced journalling members integral with and extending above said web, an article supporting member supported by said connecting web and having location between the journalling members, a retaining pin articulatedly connecting the article supporting member to said journalling members, said article supporting member having a pivot opening of special shape for receiving the pin whereby limited oscillating movement of said member may take place, and means provided by the carrier member including seats for contact with the article supporting member to support the said member in an operative substantially horizontal position when located at one extremity of its oscillating movement.

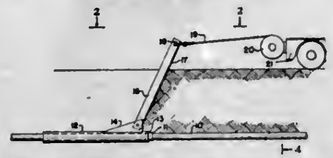
2,470,254
INSIDE THREAD CALIPER
John D. Lee, Redondo Beach, Calif.
Application May 21, 1946, Serial No. 671,159
2 Claims. (Cl. 33—163)

2. An inside thread caliper consisting of an elongated tubular body having an outside threaded portion, said body having a closure member at one end including a pointed member extending outwardly, said body having an elongated slot in its threaded portion parallel to the axis thereof, a spring-pressed plunger in said tubular body protruding from the open end of said body, said plunger having a pointed member at its outward



end, a stop pin protruding laterally from the side wall of said plunger extending through said slot in said body, an adjusting nut threaded on said threaded body portion adapted to engage said stop pin to fix the distance between said pointed members, and a lock nut also threaded on said threaded body portion.

2,470,255
PIPE-LINE RECOVERY DEVICE
Ben D. Marks and Orel Elton Dillon, Corpus Christi, Tex.
Application March 24, 1947, Serial No. 736,896
1 Claim. (Cl. 37—1)

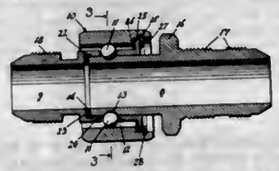


A device for recovering buried pipe, comprising, a tubular sleeve member adapted to encircle a pipe and to be slidable longitudinally over said pipe, said sleeve member having a sharpened leading edge, a single flat, rigid blade member centered above said sleeve member and extending upwardly therefrom to above the surface of the ground overlying said pipe, said blade member having its leading edge sharpened and hardened to resist abrasion, a pivotal connection between the lower end of said blade member and said sleeve member, said connection consisting of a pair of spaced parallel plate members arranged on opposite sides of said blade member and rigidly connected to said sleeve member and a pivot pin extending transversely through said plate members and said blade member, the leading edges of said parallel plate members lying in a plane extending at approximately a right angle to the longitudinal axis of said sleeve member whereby earth is deflected substantially laterally by said plate members and said blade member, and means for connecting a pulling force to the upper end of said blade member.

2,470,256
QUICK-ACTION COUPLING
Harold G. McIlroy, Burbank, Calif.
Application October 1, 1945, Serial No. 619,502
10 Claims. (Cl. 285—168)

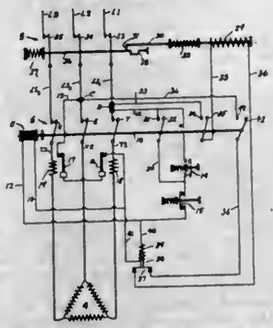
1. In a coupling, a female coupling member having ball-retaining openings therein, a male coupling member having a ball-receiving groove

therein, balls mounted in said openings for movement into and out of said groove to lock and release said male member, and a rotary cam ring mounted on said female member and surrounding said balls so as to retain them in said openings, being rotatable one direction to force the



balls into and hold them in said groove and rotatable in the opposite direction to release said balls for movement out of said groove, there being ball-locking depressions on said cam ring in which said balls seat when the ring is turned to a position to force the balls into said groove.

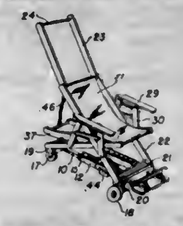
2,470,257
ELECTRICAL PROTECTIVE SYSTEM
Milton K. Moore, Corpus Christi, Tex.
Application November 23, 1945, Serial No. 630,202
4 Claims. (Cl. 175—294)



1. In an electrical circuit including a circuit breaker and a main switch, a holding coil controlling the main switch and a circuit for said holding coil, an auxiliary circuit including electromagnetic means controlling said circuit breaker, a pair of successively operating switches in said auxiliary circuit responsive to pre-determined movements of said main switch to control said auxiliary circuit, and a third switch in said auxiliary circuit controlled by said holding coil circuit to operate in the interval between the operation of said pair of switches.

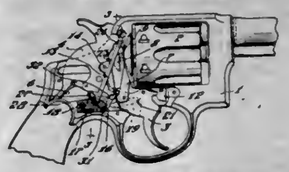
2,470,258
COLLAPSIBLE WHEEL CHAIR
Ferhad Mustafa, Highland Park, Mich.
Application May 26, 1947, Serial No. 750,571
2 Claims. (Cl. 155—117)

1. A chair of the kind described including a telescopic base frame composed of a relatively stationary rear member and a movable front member, each mounted on ground wheels, a pair of rails pivotally affixed to the front member and extending rearwardly, a pair of rails pivotally affixed to the rear part and extending forwardly, said first mentioned rails and said second mentioned rails being pivotally connected in a scissor type formation midway their respective lengths, a transverse rod connected to back ends of the first mentioned rails and another connected to front ends of said second mentioned rails, a flexible webbing to form a seat, said webbing extending between said transverse rods, the rails and the top portion of the cross rails respectively, an arm rest on each side of the chair and two vertical props for each arm rest, one of the props



being at the rear and one at the front, the two rear props being joined by a sliding bar resting on the second mentioned rails, a substantially horizontally disposed lever pivotally affixed to the mid portion of said second mentioned rails and extending rearwardly therefrom, the lever having on its underside a plurality of transverse recesses for selective engagement with the sliding bar, a coil spring anchored at one end to the rear member of the base frame and affixed at the other end to the lever to secure the same in a state of engagement with the sliding bar.

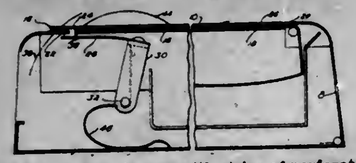
2,470,259
SAFETY DEVICE FOR REVOLVERS
Joseph W. Norman, Springfield, and Carl R. Hellstrom, Wellesley, Mass., assignors to Smith and Wesson, Inc., Springfield, Mass., a corporation of Massachusetts
Application April 2, 1946, Serial No. 658,944
2 Claims. (Cl. 42—66)



1. A firearm comprising a hammer movable back and forth between firing and cocked positions and having an intermediate position, a trigger, means responsive to rearward movement of the trigger for retracting the hammer from intermediate position to cocked position and then releasing the hammer, an actuator member movable along a predetermined path for retracting the hammer from firing position to intermediate position when the trigger is released, and a safety member movable transversely of said path into and out of position to obstruct movement of the hammer from intermediate position to firing position, one of said members having a cam slot and the other member having a pin extending into said slot, said slot having a rear face inclined to the path of the pin carrying member, and a front face more steeply inclined to said path than said rear face, said pin holding said safety member

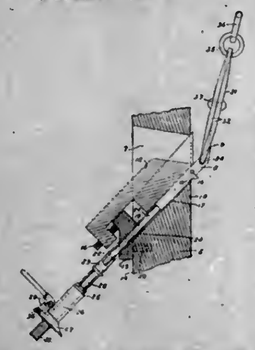
in obstructing position with the trigger in normal position and said rear face camming the safety member into unobstructing position when the trigger is retracted into firing position, and said front face moving the safety member into obstructing position during continued forward movement of the trigger.

2,470,260
AUTOGRAPHIC REGISTER
Walter E. Oliver, Quincy, Mass.
Application January 27, 1946, Serial No. 4,692
2 Claims. (Cl. 282—21)



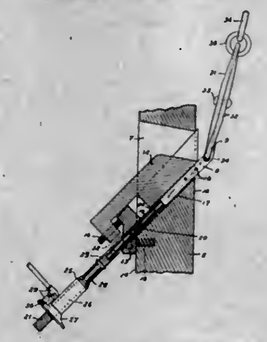
1. In a register for use with strips of perforated tickets each having a controlling hole at its head, a platen over which the tickets are successively positioned having a slot at its forward end, a rocker arm movable to opposite sides of the vertical, a spring projecting forwardly therefrom carrying at its end a hole-engaging pin which in the rearward position of the arm projects through the slot, the pin being smaller than the hole and having an overhanging projection at its leading face to engage over the forward margin of a hole to support the pin for rectilinear movement in an elevated position during the forward movement of the rocker arm with resultant upward flexure of the spring and releasing the same to the spring for movement to a depressed position below the paper at the first part of the rearward movement.

2,470,261
APPARATUS FOR HANDLING CHIPPER KNIVES
Stanley D. Payzer, Wausau, Wis., assignor to D. J. Murray Manufacturing Co., Wausau, Wis., a corporation of Wisconsin
Application October 9, 1944, Serial No. 557,808
3 Claims. (Cl. 144—176)



1. A blade removing assemblage for a wood chipper having a rotary disc provided with a slot and a flat blade normally confined within the slot, an elongated blade holding plate secured to the disc near the slot and rearwardly of the blade, said plate having an opening therethrough directed toward the blunt end of the blade and also having alined pivots associated with its opposite ends, the assemblage comprising, a U-shaped yoke having opposite side arms swingably suspended from said plate pivots and also having a jack mounted thereon between said side arms, and a cross-bar slidably confined between said yoke arms and having a pin movable through said plate opening toward said blade by coaction with said jack to eject the blade from its confining slot.

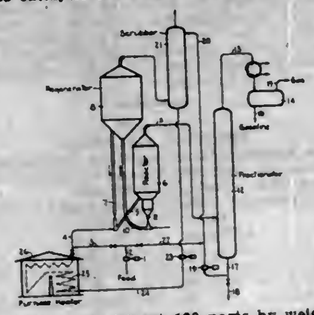
2,470,262
METHOD OF HANDLING CHIPPER KNIVES
Stanley D. Payzer, Wausau, Wis., assignor to D. J. Murray Manufacturing Co., Wausau, Wis., a corporation of Wisconsin
Original application October 9, 1944, Serial No. 557,808. Divided and this application August 27, 1945, Serial No. 612,740
1 Claim. (Cl. 29—148)



The method of removing a knife blade provided with opposite end detents and an intervening cutting edge from a chipper rotor revolvable about a horizontal axis and having a radial opening within which the knife is normally confined in an inclined position by a wedge bar disposed within the opening and a holding plate coacting with the bar and having opposite end sockets and transverse guide holes extending therethrough parallel to the blade, which method comprises, revolving the rotor to upwardly incline the blade with its cutting edge uppermost and releasing the wedge bar, slidably inserting pins within the guide holes and applying uniform pressure to the lower blunt end of the blade through the pins to partially eject the upper sharp blade end from within the rotor opening, and thereafter applying an upward pull to the blade detents to finally withdraw the blade bodily from within the rotor.

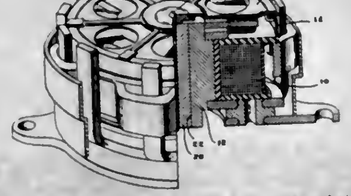
2,470,263
HYDROCARBON CONVERSION PROCESS
Norman E. Peery, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application July 27, 1946, Serial No. 686,639
4 Claims. (Cl. 196—52)

1. Process for the production of gasoline from higher boiling hydrocarbon oils through catalytic cracking which comprises passing recycled oil containing between 0.5 and 10 pounds per barrel of a suspended finely divided solid cracking catalyst through a cracking coil under conditions to produce a minor amount of thermal and catalytic cracking, quenching the product by the addition of virgin gas oil, subjecting the mixture to catalytic cracking in the vapor phase in



the presence of at least 100 parts by weight of said cracking catalyst per part of oil, fractionating the product to separate gasoline and a recycle oil, and subjecting the recycled oil to the above specified treatment.

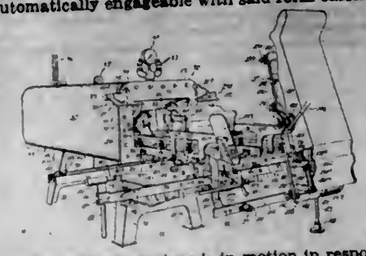
2,470,264
ELECTRIC MOTOR BEARING
Lloyd D. Richardson, Dayton, Ohio, assignor to Hansen Manufacturing Company, Inc., Princeton, Ind., a corporation of Indiana
Application January 18, 1947, Serial No. 722,860
1 Claim. (Cl. 172—36)



As a new article of manufacture; a substantially cylindrical bearing member composed of a mixture of graphite, metal powder and a binder to form a cylindrical bearing to receive a shaft; and a substantially cylindrical magnetic member molded directly around the periphery of said bearing member and physically united therewith and comprising a mixture of magnetic material and binder to support the said material in rigid form for mounting said article in a supporting housing.

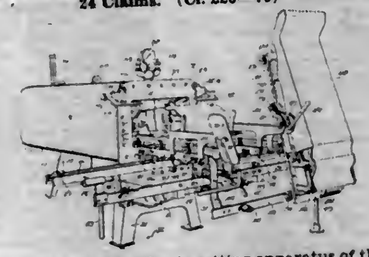
2,470,265
SETTING APPARATUS FOR TEXTILE FABRICS
Henry Richter, Kankakee, Ill., assignor to Paramount Textile Machinery Co., Kankakee, Ill., a corporation of Illinois
Application March 6, 1945, Serial No. 581,210
52 Claims. (Cl. 223—76)

1. The combination in setting apparatus of the class described, of a retort having an opening, a main carriage movable outside of said retort transversely to said opening, a form carriage mounted on said main carriage, and power means automatically engageable with said form carriage



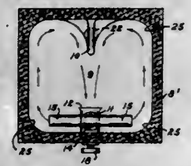
while said form carriage is in motion in response to a manual impulse for further moving said form carriage from said main carriage into said retort.

2,470,266
EJECTOR MECHANISM FOR RETORTS
Henry Richter, Kankakee, Ill., assignor to Paramount Textile Machinery Co., Kankakee, Ill., a corporation of Illinois
Application October 31, 1945, Serial No. 625,781
24 Claims. (Cl. 223—76)



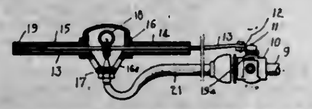
24. The combination in setting apparatus of the class described, of a retort having an opening, a door for closing said opening, a form carriage mounted for movement into and out of said retort, means actuated when said carriage is moved into said retort for storing energy for subsequently ejecting said retort, means for restraining said energy storing means, means including an electric circuit for performing the steps of closing said door, causing a flow of steam into said retort, shutting off the steam and exhausting the steam from the retort, then opening said door, and then releasing said restraining means to permit the ejection of said carriage from said retort by the operation of said energy storing means, a motor driven controller connected in said circuit for controlling the sequence and time duration of said steps, a switch actuated by the operation of said restraining means when said carriage enters said retort for initially starting said motor to drive said controller, said controller being arranged to maintain the circuit of said motor thereafter until the flow of steam into said retort has started and then to open the circuit of said motor, and thermostatic means located in said retort and connected in said circuit for restoring the circuit of said motor and thereby continuing the operation of said controller when a predetermined temperature is created by the steam in said retort, said controller having means for then maintaining the circuit of said motor during the remaining steps of the cycle.

2,470,267
PAPER PULP AGITATOR
John A. Rosmait, Appleton, Wis., assignor to D. J. Murray Manufacturing Co., Wausau, Wis., a corporation of Wisconsin
Application March 10, 1945, Serial No. 582,669
1 Claim. (Cl. 92—37)



A paper pulp agitator, comprising, a chest forming a centrally unobstructed pulp storage chamber bounded by a flat front upright surface and a rear surface having an upright chamber bounding wedge projecting centrally and forwardly therefrom toward the chamber center and toward the mid-portion of the front surface, said wedge having concavely curved chamber bounding surfaces merging along smoothly curved opposite side surfaces with said front surface and being of gradually increasing wedge-shaped transverse cross-section approaching the bottom of the chamber, and said chamber bottom being inclined downwardly and forwardly away from the largest lower wedge end and cooperating with the wedge bounding surfaces to provide a continuous smooth upwardly and rearwardly inclined liquid guiding surface extending from the lowest front portion of the chamber to the uppermost rear portion thereof, and a circulating pump located within said chamber near the lowest mid-portion of said front surface and having an unobstructed inlet in open communication with the chamber center and directed centrally away from the lower wedge extremity and also having an outlet directed upwardly along and laterally toward the opposite side surfaces of said chamber at said uppermost chamber portion.

2,470,268
SAFETY THERMOSTATIC CONTROL FOR GASEOUS BURNERS
Maurice Rowan, Richmond Hill, N. Y.
Application March 7, 1945, Serial No. 581,375
1 Claim. (Cl. 158—117.1)

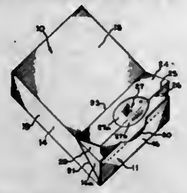


The combination with a stove having a plurality of gaseous burners, a pilot flame igniter having a burner and distributor chamber means supporting the burner and surrounding the same, a horizontal flame ignition tube extending to each burner from said chamber means, a gas supply pipe for the pilot burner, a turn valve therefor, a pair of tubes connected with the distributor chamber means and extending from opposite sides thereof in axial alignment with each other, the outer end of one of said tubes being closed, and a thermostatic rod having an end portion engaged with the closed end of said last-named tube and extending through the opposing tube and pivotally connected with the valve, said thermostatic rod extending through the chamber means and directly over the pilot burner to be heated by the flame thereof and adapted to contract when said flame is extinguished to close the valve by such contraction, said tubes being greater in internal diameter than the diameter of the rod whereby to permit the free deflection of the rod throughout its entire length and the turning of the valve through its pivotal connection therewith, said rod being contractible from its engagement with the one tube to its connection with the turn valve.

2,470,269
FRICTION MATERIAL
Ralph Schaefer, Cleveland, Ohio, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application August 13, 1945, Serial No. 610,663
2 Claims. (Cl. 29—192)

1. A friction material consisting of a mixture of metal powder of which the principal ingredient is copper and the oxides of aluminum, silicon, calcium, and iron compressed and sintered together into a unitary mass, the percentage of copper being 50% to 70% and the oxide component being 10% to 25% aluminum oxide, 25% to 50% silica oxide, 15% to 25% calcium oxide, and 10% to 30% iron oxide.

2,470,270
FOLDING BOX
Jesse Srofe, Cincinnati, Ohio, assignor to The Globe-Wernicke Company, Cincinnati, Ohio, a corporation of Ohio
Application August 29, 1946, Serial No. 693,759
2 Claims. (Cl. 229—9)

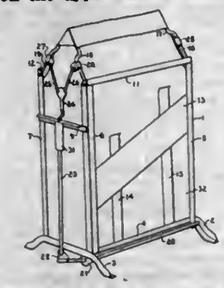


1. In a folding box comprising an outer case member, a flap forming a portion of the top of the said case member, said flap being hinged to the remaining portion of the top, a tongue hinged to the free end of the flap and extending downwardly at the end of the case member, a receptacle sliding within said case member, a viewing window formed both in said flap and in said tongue, a transparent closure over said window attached to said flap and tongue and extending across the hinge therebetween, a cutaway portion in the front of the receptacle cooperating with the portion of the window in the tongue whereby the contents of said box are exposed to view from the front and top of said box, and the hinge which connects the flap to the top of the case member being located rearwardly of the front of the case member.

2,470,271
RECEPTACLE SUPPORT
Le Roy S. Steinbacher, Battle Creek, Mich.
Application September 4, 1945, Serial No. 614,263
11 Claims. (Cl. 248—97)

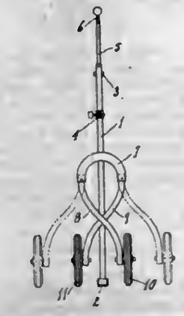
5. A receiving and holding means for a bag having an outturned and folded down top portion,

which includes an upwardly extending open top body portion, and a pair of balls pivotally mounted on the upper end of same, the upper



portion of said balls being adapted to be slipped into the outturned folds at the opposite sides of the top portion of said bag.

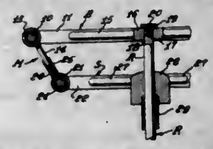
2,470,272
RETRACTABLE GOLF BAG CART
Russell S. Trimmer, Compton, Calif.
Application December 23, 1947, Serial No. 793,482
3 Claims. (Cl. 280—42)



1. A retractable golf bag cart comprising a center post, golf bag supporting means on said post, a yoke fixedly mounted on said post, a pair of arms journaled in said yoke and rotatable therein from retracted to extended position, and a wheel mounted on each arm, each of said arms being formed with a reverse curve therein whereby the wheel is moved from one side of the post to the other when the arms rotate in the yoke and move from retracted to extended position.

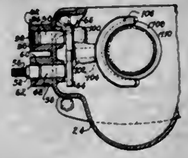
2,470,273
COMBINED STEERING WHEEL AND BRAKING MECHANISM
Murray G. von Uffel, West Los Angeles, Calif.
Application August 8, 1947, Serial No. 767,590
2 Claims. (Cl. 74—486)

1. A combined hand operated steering and braking mechanism for a vehicle which includes: a hand operated steering wheel which includes an annular core with a plurality of spaced hand grips provided thereon; a plurality of collars with each of said collars situated in one of said spaces and rotatably mounted on said core; a plurality of tubular members with each of said members supported from one of said collars; a plurality of springs with each of said springs positioned within the confines of one of said tubular members; a hand operated braking wheel which includes an annular core with a plurality of spaced hand grips provided thereon; a plurality of collars with each of said collars situated in one of said spaces and rotatably mounted on said braking wheel core; a plurality of rigid members with each of said members mounted on one of said braking



wheel collars and slidably engaging one of said tubular members whereby said springs maintain said braking wheel in an elevated position with relation to said steering wheel; and a rod member affixed to said braking wheel and adapted to actuate the brakes of said vehicle when said braking wheel is moved downwardly by the hands, with said braking wheel and said rod being returned to the elevated non-braking position by the expansion of said springs when the pressure of the hands is removed from said braking wheel.

2,470,274
AUTOMOTIVE TRANSMISSION
Nils Erik Wahlberg, Chicago, Ill., assignor to Nash-Kelvinator Corporation, Kenosha, Wis., a corporation of Maryland
Application July 30, 1942, Serial No. 452,861
13 Claims. (Cl. 74—473)

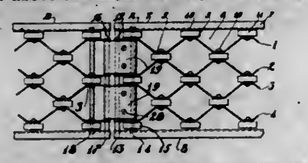


1. A shift mechanism for transmissions comprising a rock shaft, a shifting fork carried by said rock shaft, a second rock shaft, manually operable means for rotating said second rock shaft, and variable advantage interengaging toothed means each comprising a plurality of tooth elements between said rock shafts and fast to each of said rock shafts and each tooth extending from one rock shaft toward the other more than two-thirds of the distance between said rock shafts for multiplying the shifting force imparted by said second rock shaft to said first rock shaft.

2,470,275
ROLLERWAY CONVEYER
Nathaniel Warshaw, Brookline, Mass., assignor to Market Forge Co., Everett, Mass., a corporation of Massachusetts
Application February 20, 1946, Serial No. 649,108
7 Claims. (Cl. 193—35)

5. A conveyor comprising two parallel frame members, a plurality of relatively rigid strips between said frame members and having outwardly offset portions juxtaposed to each other to form a grill platform, the strips forming the outer

edges of the platform having offset portions juxtaposed to the frame members, the platform being connected to the frame members above their longitudinal center lines, and a roller interposed between and pivotally supported by each of the offset portions, the rollers being of such diameter that their top peripheries are in a plane spaced above the adjacent longitudinal edges of

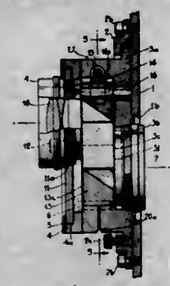


said frame members and their opposite peripheries are in a plane spaced above the other longitudinal edges of said frame members, thereby to provide in one position, a working plane of rollers above the top edges of the frame members and, in the inverted position of the conveyor, a working plane of rollers below the top edges of the frame members, the frame members constituting guide rails in the latter position.

2,470,276
OIL ADDEND
Franklin M. Watkins, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 29, 1945, Serial No. 631,771
2 Claims. (Cl. 252—52)

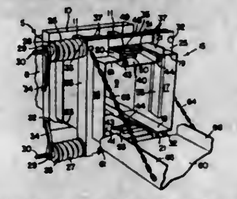
2. A petroleum oil, normally corrosive to copper by reason of its content of sulfur, containing an amount of tertiary-butyl hydroperoxide sufficient to inhibit such corrosion.

2,470,277
OPTICAL LENS UNIT WITH IMAGE REVERSING MEANS
Stephen N. Wekeman, Saddle River Township, Bergen County, N. J., assignor to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
Application October 25, 1946, Serial No. 705,627
5 Claims. (Cl. 88—57)



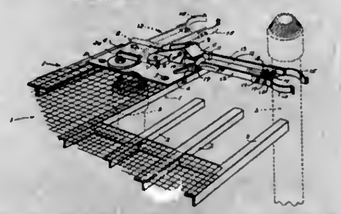
1. An optical unit for normal and reversed image projection comprising in combination, a pair of objective lenses disposed on respective parallel axes and spaced apart in an axial direction, means for mounting said lenses for relative movement into coaxial alignment and out of coaxial alignment a predetermined offset distance, and an image reversing prism set disposed in the space between said lenses, means for adjustably mounting said image reversing prism set for movement into and out of the optical path through said objective, said prism set having parallel entrance and exit axes spaced apart said predetermined distance, whereby said lenses may be selectively disposed in offset relation with said prism set interposed in the optical path to thereby produce a reversed projected image or in coaxial alignment with said prism set removed from the optical path to thereby produce a normal projected image.

2,470,278
BALING PRESS
James Rex West, George B. Hill, and Marcus E. McClellan, Ottumwa, Iowa, assignors to Deere Manufacturing Co., a corporation of Iowa
Application December 6, 1946, Serial No. 714,360
7 Claims. (Cl. 100—23)



1. In a baling press, a bale case having a compression portion at one end comprising a pair of opposed channel shaped walls having flanges turned inwardly toward each other, a second pair of opposed walls disposed between said flanges and adjustable toward and away from each other, and a pair of longitudinally extending channel portions on the edges of said second pair of walls, said channel portions being open inwardly to receive binding wires or twine on bales passing therethrough, to prevent said wires or twine from slipping off the bales.

2,470,279
PIPE RACKING APPARATUS
John E. Whited, Shawnee, Okla.
Application October 10, 1945, Serial No. 621,486
2 Claims. (Cl. 214—1)



1. In apparatus for handling the upper ends of well pipe "stands," the combination with a stationary platform located above a derrick floor, of: a fitting pivotally mounted directly upon the platform for horizontal swinging movement with relation thereto; a rigid arm; vertically projecting longitudinally extending side flanges carried by the arm; a hinged connection between the fitting and one end of the arm whereby the arm may be folded upwardly over the platform into inoperative position; a pair of laterally movable fingers each having a longitudinal portion lying flatly against the outside surface of one of said flanges, and each having an arcuate portion projecting longitudinally beyond the free end of said arm, said arcuate portions confronting each other for engaging opposite surfaces of upper portions of said pipe "stands"; a plurality of bolts extending laterally through the flat portion of one of said fingers, and through the adjacent flange of said arm, said bolts projecting beyond the flange toward the longitudinal axis of the arm; an expansion spring around the projecting portion of each bolt; and a nut on each bolt for holding its spring under compression whereby said arcuate portions are resiliently urged into frictional engagement with said "stands."

2,470,280
SOCKET FOR MINIATURE BULBS AND THE LIKE AND MOUNTING THEREFOR
Ernest A. Ackerman, Shaker Heights, Ohio
Application August 1, 1945, Serial No. 608,164
1 Claim. (Cl. 173—328)

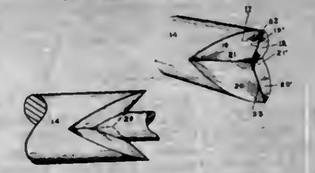


An electric socket for a miniature bulb of elongated cylindrical shape and formed of insulating material, said socket consisting of an intermediate base connected at one end to an open ended chamber adapted to receive a bulb and an enclosure at its opposite end removably, telescopically, frictionally engaging said base, said base being formed with a pair of parallel through openings, tubular contact members extending through and slidably fitting said openings, said openings inwardly of said chamber being enlarged, coiled springs mounted in said enlarged portions and engaging the adjacent ends of said contact members and tending to move them endwise, said contact members extending into said enclosure and provided with transversely crimped walls engaging said base to limit the movement of said contact members under the influence of said springs, and conductors extending through the end wall of said enclosure and into said contact members, said members being transversely crimped into engagement with said conductors to secure an electrical connection therewith.

2,470,281
PRESERVATIVE COATINGS FOR FOODS
Wilber J. Allingham, Denver, Colo.
No Drawing. Application March 29, 1946, Serial No. 658,235
3 Claims. (Cl. 99—169)

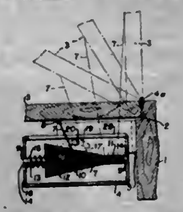
1. A method of preserving meat against oxidation and dehydration comprising: coating said food with hydrous mixture of lecithin, and Irish moss gel.

2,470,282
MOUNTING FOR SHAFTS AND THE LIKE
Frederick C. Baker and Elbert Gary Spencer, Portland, Oreg.
Application July 28, 1947, Serial No. 764,110
3 Claims. (Cl. 33—50)



1. In a detachable mounting of the character described, a supporting element, a member movable into alignment with said element, said element and said member having opposed identically formed mating ends, means for holding the other end of said member in desired position, and means for causing said opposed ends of said element and member to bear against each other under a maintained longitudinal thrust, said opposed end of said element formed with two identical V-shaped grooves extending inwardly and forwardly from diametrically opposite points on the outer surface of said element to the end of said element, the bottom groove lines of said grooves meeting at the center point of said element end, said grooves intersecting each other on two converging lines of intersection extending outwardly and forwardly from said center point to diametrically opposite terminal points of said element end, the plane of said converging lines of intersection being perpendicular to the plane of said bottom groove lines of said grooves, said opposed end of said member being identically grooved with a corresponding pair of V-shaped grooves extending inwardly and forwardly from diametrically opposite points on the outer surface of said member to the center of said end of said member, whereby, when said member is placed in alignment with said element and said opposed ends are caused to bear against each other, the converging lines of intersection of the pair of grooves in each of said ends will coincide with the bottom groove lines in the other of said ends and the faces of said grooves of said ends will be in inter-engaging position.

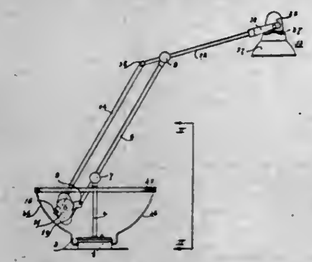
2,470,283
DOOR CLOSING DEVICE
Fred H. Barger, San Fernando, Calif.
Application October 17, 1945, Serial No. 622,879
4 Claims. (Cl. 16—78)



1. A door closing device comprising a casing containing a rotary element having straight and inverted conical portions, said element being journalled in said casing, a door closing cord

wrapped over a predetermined part of said element, means acting on said element for resisting the rotation of the element when a pull is exerted on the cord during the door opening operation, and means for changing the angle with which said element is presented to the cord in order to cause the cord to wrap itself around a different part of the element during the door closing operation when the element is actuated by said rotation resisting means.

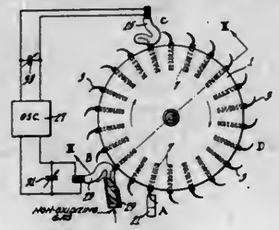
2,470,284
BAR SYSTEM AND LAMP FITTING COMPRISING SUCH A BAR SYSTEM
Jan Bergmans, Clamor August Lamberts, and Charles Henri Joseph Anderson, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 25, 1946, Serial No. 664,726
In the Netherlands September 10, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 10, 1962
2 Claims. (Cl. 248—280)



1. Apparatus for supporting an electrical element in a given position with respect to a base, comprising a pantograph-like framework member having interconnected arm portions and hollow insulating hinge portions, a counterpoise member, a rotatable support member, adjustable means for rockably supporting the said element, and circuit means for conducting current to the said element, said members being connected together to form a balanced rotatable structure, said circuit means being entirely concealed in said connected structure and said element.

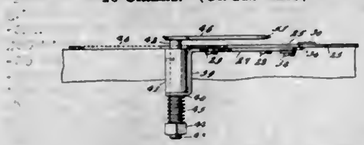
2,470,285
RADIO FREQUENCY APPARATUS FOR HEATING METALLIC ARTICLES OF LARGE SURFACE AREA TO VOLUME RATIO
Rudolph A. Bierwirth, Kingston, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1944, Serial No. 528,702
4 Claims. (Cl. 219—13)

1. Apparatus for heat treating ferro-magnetic articles to alter the hardness thereof which comprises a turntable adapted to support a plurality of said articles thereon in radially extending, circumferentially-spaced relation with the end portions of said articles extending beyond the periphery of said turntable whereby to expose said portions for heat treatment thereof, said turntable being rotatably mounted for conveying said articles along a path which includes an operating station, an induction heating device at said station spaced radially from said turntable and disposed on the same level as said articles for receiving and heating said exposed article end portions when they are in the magnetic field provided by said device, means for intermittently moving said turntable to periodically alternately first advance said articles along said path and then bring said articles to rest in said path with the exposed end portion of at least one of said articles in cooperative relation with said heating



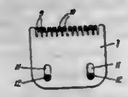
device, a source of high frequency current coupled to said heating device, and means associated with said current source for controlling the supply of current by said source to said heating device, said last named means being synchronized with said turntable moving means to cause said current source to deliver current to said heating device substantially only during rest periods of said articles whereby to heat the exposed end portions of the articles successively at rest at said station.

2,470,286
BLIND STITCHING MEANS
Sylvester J. Birginal, Chicago, Ill.
Application April 24, 1946, Serial No. 664,661
10 Claims. (Cl. 112—140)



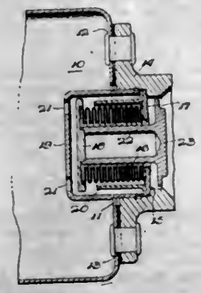
1. In a sewing machine having a reciprocal needle, apparatus of the character described rendering the machine readily convertible for blind stitching or conventional stitching, including: a throat plate for replacing the throat plate of the machine; a guide member insertable into a fold of the cloth to guide said fold while it is being stitched, and adapted to have the material guiding edge closely adjacent the path of movement of the needle; a mounting member having the guide member pivotally mounted thereon, the mounting member being movable in a plane perpendicular to the direction of movement of the needle; and actuating means for moving the mounting member to adjust the position of the guiding edge of the guide member with respect to the path of movement of the needle, the actuating means including a manually movable actuating member and a motion reducing actuating connection between said actuating member and the mounting member, said guide member, said mounting member and at least the major portion of said actuating means being contained within the periphery of the throat plate.

2,470,287
HAIR CLIPPER
Clarence E. Carter, San Francisco, Calif.
Application June 12, 1945, Serial No. 598,941
1 Claim. (Cl. 30—195)



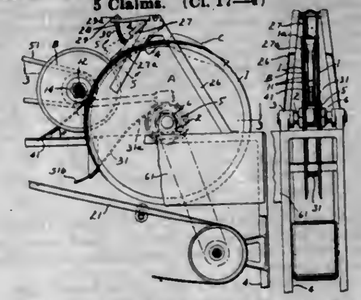
A hair clipper, including in combination, a lower blade having alternately long and short notches, providing teeth each having a long and short cutting edge, a movable upper blade having cutting teeth with edges which are all of the same length, means to oscillate the said upper blade transversely across the lower blade, and means to move the lower blade forwards or backwards, so that when the lower blade is in a backward position the teeth of both blades will all be cutting teeth, and means to secure the lower blade in a backward position, and means to secure the lower blade in a forward position so that only the long cutting edges of the lower blade will come in contact with the cutting teeth of the upper blade, and the short cutting edges of the lower blade will not be in contact with the teeth of the upper blade, and thereby the hair will be thinned and only a part of it will be cut.

2,470,288
EXCESS PRESSURE PROTECTED PRESSURE RESPONSIVE DEVICE
Robert S. Childs, Englewood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application April 24, 1944, Serial No. 532,469
2 Claims. (Cl. 137—156)



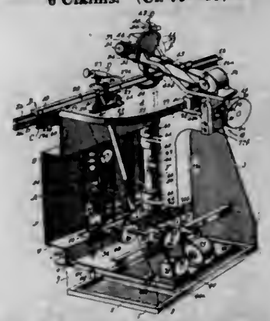
1. In combination, a pressure responsive device including an annular expansible and contractable bellows responsive to variable pressures acting thereon, a variable pressure chamber normally in communication with said device, means fixedly supporting one end of said bellows, an annular valve member whose diameter exceeds the diameter of said bellows secured to the opposite end of said bellows which is movable in response to changes in condition of said bellows, and means surrounding said bellows and cooperating with said valve member to form a protective chamber for said bellows which is substantially sealed from said variable pressure chamber when said valve member has been moved a predetermined distance by said bellows in response to change of pressure in said variable pressure chamber.

2,470,289
FISH BACKBONE REMOVING MACHINE
Andrew L. Christiansen, Willowbrook, Calif.
Application November 8, 1943, Serial No. 509,342
5 Claims. (Cl. 17—4)



1. In a means of the class described, a conveyor comprising a pair of axially spaced apart discs having their peripheral edges diverging outwardly with respect to each other from the middle portion of the discs, said discs being adapted to receive therebetween and to hold fish on their backs, a cutting means comprising a pair of cutting members extending with their cutting edges between and spaced from said discs, and a deflector positioned between said discs and directed at an acute angle with respect to the direction of movement of the conveyor to facilitate ejection of fish therefrom.

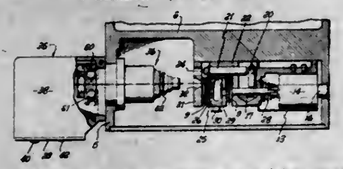
2,470,290
SAW GRINDER
John R. Chryst, Tacoma, Wash.
Application May 6, 1947, Serial No. 746,299
6 Claims. (Cl. 76—40)



1. In a saw grinder; means for holding a saw during grinding of the latter's teeth; a frame having a hollow shaft journalled thereon; a standard mounted on the shaft for swinging about the longitudinal axis of the shaft; a moveable platform supported by the standard and having a rotatable grinding wheel thereon; the wheel being moveable toward and away from the saw when the platform is correspondingly moved; the longitudinal axis of the shaft, when extended, passing through the point of contact between the wheel and a saw tooth being ground; the hollow shaft being provided with a slot in the wall thereof; a push rod slidably disposed in the bore of

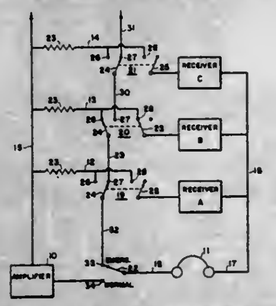
the shaft; a lift rod guided for movement in a direction paralleling the shaft; the lift rod engaging with the platform for raising the latter and thereby moving the wheel into non-grinding position when the lift rod is moved in one direction; means projecting through the slot in the hollow shaft for raising the lift rod when the push rod is raised; means for periodically advancing the saw and wheel relative to one another to present all of the saw teeth in succession to the wheel for grinding the teeth; and means for adjusting the standard, platform and wheel about said axis of the shaft into various angular positions to grind different angles of cross bevel on the saw teeth.

2,470,291
FILM IDENTIFYING AND PUNCHING DEVICE
Milford E. Collins, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application July 4, 1945, Serial No. 603,209
7 Claims. (Cl. 95—1.1)



1. A film marking system comprising means for advancing film, a punch adapted to punch said film when said film is stationary, energizing means for said film advancing means, a solenoid for actuating said punch, means for energizing said solenoid, and an electrical relay, means energized by said film advancing energizing means for disconnecting said solenoid energizing means from said solenoid when said film advancing energizing means is energized.

2,470,292
SWITCHING SYSTEM
Robert L. Daniel, Baltimore, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application March 27, 1946, Serial No. 657,578
5 Claims. (Cl. 250—20)



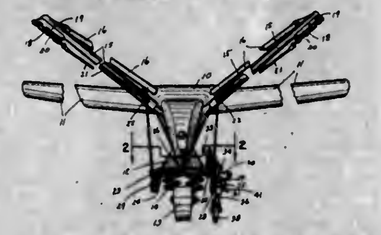
4. In an electric circuit comprising a plurality of branches, an interlocking switching system comprising: a double-pole, double throw switch in each of said branches, connecting means including said switches comprising a series circuit, each of said switches in one position completing the circuit of its respective branch, connecting the portion of said series circuit on one side thereof to said branch and interrupting the other portion of said series circuit; said switch in its other position interrupting its parallel branch, disconnecting said series circuit therefrom and completing said series circuit through said switch.

2,470,293
NOZZLE
Joseph B. D'Angelo, Tiffin, Ohio
Application February 14, 1946, Serial No. 647,498
1 Claim. (Cl. 128—239)



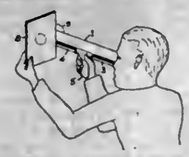
A syringe nozzle comprising a tubular barrel open at front and rear ends and having its rear end adapted for engagement with a fluid-supply tube, the front end portion of said barrel being of increased diameter and formed internally with a mixing chamber of greater diameter than the bore of said barrel and having an annular wall threaded from its front end, there being outlet openings extending radially from the rear end of the mixing chamber at a rearward incline through the annular wall thereof and spaced from each other circumferentially thereof, a head having an externally threaded neck at its rear end screwed into the mixing chamber of said barrel, said head being tapered towards its front end and having its front end portion reduced in diameter to form a tip, said head having a longitudinally extending pocket of less diameter than the mixing chamber forming a continuation of the mixing chamber at a rearward incline said head being formed with a centrally located outlet opening extending from the pocket through the tip longitudinally thereof and with other outlet openings surrounding the central outlet opening and extending from the pocket through side portions of the tip in spaced relation to each other circumferentially thereof, and an elongated medicant cartridge fitting loosely in the pocket of said head with its rear portion extending into the mixing chamber and its front end retarding free flow of fluid through the outlet openings of the head.

2,470,294
AIRCRAFT RELEASE DEVICE
Augustus H. Eberman, Geneva, Ill., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application May 10, 1945, Serial No. 593,040
8 Claims. (Cl. 244—3)



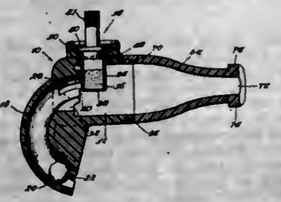
1. An aircraft release device including a control arm movably mounted upon the under carriage of the aircraft for ground contact, a releasable latch mounted on said aircraft, a connection between said control arm and latch, and elongated means slidably mounted and normally constrained to locking position and effective upon said arm leaving the ground to interlock said arm and latch connection and move said latch to releasing position upon displacement of said arm in striking the ground.

2,470,295
SPACE SCOPE
Albert Hanford Eckman, Ponca City, Okla.
Application July 19, 1946, Serial No. 684,844
1 Claim. (Cl. 272—8)



In an optical illusion device, a tubular member having an extended flange at one end with an opening through the flange positioned concentric with the axis of the tube and communicating with the interior of the tube and a second opening through the flange spaced from the former opening and axis of the tube, a distance corresponding with the distance between the eyes of the user of the device, the size of the said second opening being equal to that of the former opening, said tube having a downwardly extending handle positioned intermediate of the ends, and a tubular felt eye piece positioned in and extending from the end of the tube opposite to the end on which the flange is positioned.

2,470,296
INHALATOR
Mack R. Fields, Libertyville, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Application April 30, 1948, Serial No. 24,319
21 Claims. (Cl. 128—266)



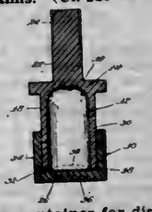
1. Equipment for introducing an airborne powdered medicament into body cavities, which comprises: a body defining a passage; said passage having an inlet; means for enabling the user to move successive charges of gas through said passage; a medicament container in said passage having an opening permitting exit of powder; a charge of medicament in said container; said medicament being powdered finely enough to pass out through said opening, at least when jolted; and means actuated by the flow of an initial portion of a normal charge of gas, for jolting said container to discharge medicament from said open end.

2,470,297
INHALATOR
Mack R. Fields, Libertyville, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Application September 4, 1947, Serial No. 772,104
3 Claims. (Cl. 128—266)



3. Equipment for introducing an airborne powdered medicament into body cavities, which comprises: a body defining a chamber; said chamber being formed with an outlet shaped to deliver fluid to the person of the user; an inlet to said chamber; a medicament container in said chamber having a foraminated wall; means actuated by the initial flow of inhaled gas through said inlet, for jolting said container to release an increment of medicament through said foraminated wall; said chamber being provided with an additional outlet for the exit of gas during exhalation; and an automatic check valve in said additional outlet to prevent inward flow.

2,470,298
POWDERED MEDICINE DISPENSER
Mack R. Fields, Libertyville, Ill., assignor to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Application February 7, 1949, Serial No. 74,979
9 Claims. (Cl. 128—272)

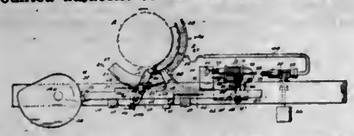


1. A dispensing container for dispensing finely divided solids into a stream of air to render them airborne, comprising, in combination: a cylindrical container body having an open end; a foraminated closure at said open end adapted to support finely divided solids and to permit them to sift through when jolted; spaced lugs projecting radially from said body remote from said closure for suspending said body; and handle means coaxial with said body and projecting axially beyond said lugs.

2,470,299
METHOD OF AND APPARATUS FOR LIQUID TREATMENT OF YARNS
William H. Furness, Haddonfield, N. J., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application July 26, 1946, Serial No. 686,341
14 Claims. (Cl. 8—151.1)

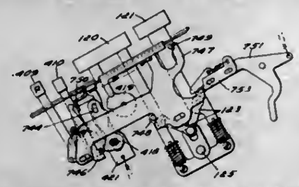
1. The process of applying liquid treatment to yarn being laid up on a reel in the form of a helix which comprises supporting a body of the liquid closely adjacent to the periphery of the reel and rapidly pulsating liquid of said body into and out of the same portion of the helix for a substantial period whereby the yarn is subjected to a scrubbing action.

3. In apparatus for the liquid treatment of yarn, the combination of a reel on which the yarn is laid up in a helix, a liquid compartment mounted adjacent to the reel and perforate in



its face adjacent to the reel, and means for pulsating the liquid in the compartment back and forth through the perforate face into and out of the helix.

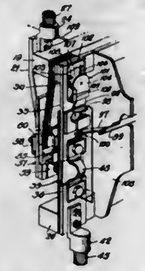
2,470,300
NONREPEAT MEANS FOR CALCULATING MACHINES
Herman Gang, Livingston, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application March 17, 1948, Serial No. 15,374
5 Claims. (Cl. 235—62)



1. In a calculating machine having a register, cyclically operable differential actuators therefor, cycling means for said actuators, devices adjustable to enter values in said actuators, and an operation key manipulable to control registering movement of the actuators by said cycling means; normally inactive non-repeat means operable by said cycling means to limit the registering action of said actuators to a single cycle, including a settable non-repeat key, a member movable in time with the actuators, a transmission train driven by said member and including a normally ineffective element, a guide abutment settable conjointly by said non-repeat and operation keys to hold said transmission element in effective condition, a second operation key, and a slide operable under control of said second key to set the abutment into holding position independently of the non-repeat key.

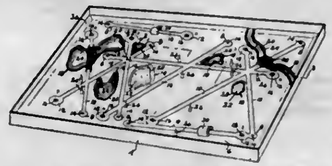
2,470,301
COMBINATION ELECTRIC SWITCH AND CIRCUIT BREAKER
Stephen S. Grady, New York, N. Y.
Application April 2, 1946, Serial No. 658,895
4 Claims. (Cl. 175—294)

1. In a circuit breaker for two conductors, the combination of a first bus bar for one conductor, a second bus bar, a contact connected to said second bus bar with its free end normally engaging said first bus bar, a third bus bar connected to the other conductor, means including a fuse for connecting the second bus bar to said third bus bar, an interposer slidably mounted between said first bus bar and contact, a lever operatively connected to said interposer, a spring biased in inoperative position and when released operatively associated to actuate said lever in turn to actuate said interposer into circuit breaking position, a latch for anchoring said spring in biased position, an electro-magnet positioned when energized to actuate said latch to release said spring, an ammeter including a pivotally mounted needle electrically connected to said second bus bar to record the amperage of the current flow when said fuse is intact, a pin insulated from



said ammeter, a conductor connecting said pin to said electro-magnet, and a second conductor connecting said electro-magnet to said third bus bar, said needle engaging said pin when the current is interrupted by the blowing of said fuse, in turn momentarily to establish a circuit after the fuse is blown between said ammeter and said third bus bar thereby to energize said electro-magnet in turn to actuate said latch.

2,470,302
GAME BOARD AND APPARATUS
Frederick E. Green, Spokane, Wash.
Application November 24, 1947, Serial No. 787,662
1 Claim. (Cl. 273—87)

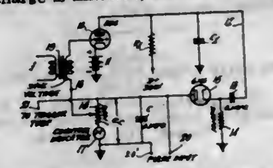


A game board for simulated golf games comprising a base board, an upper board layer superimposed upon the base board and having irregularly shaped openings therein, layers of sand-coated material under some openings and layers of smooth metal foil under other openings, the walls of said opening being beveled, and said upper board having shallow ball-receiving depressions at the tees, and deeper ball-receiving depressions at the greens, and an enclosing wall about the game board.

2,470,303
COMPUTER
Maurice L. Greenough, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1944, Serial No. 528,718
14 Claims. (Cl. 315—230)

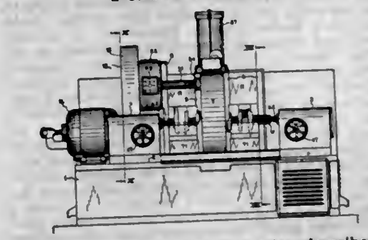
1. The combination of an oscillation generator including a storage device, impedance means for controlling the rate at which current is stored in said device and a gaseous electron discharge device provided with an anode circuit arranged to

discharge said storage device and with a grid circuit arranged to control the potential at which said discharge is initiated, and means connected



between said storage device and said grid for applying to said grid a bias potential which is stabilized at successive predetermined values dependent on the charge of said storage device.

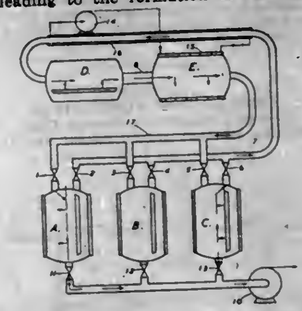
2,470,304
CRANKSHAFT LATHE
William F. Groene, Harold J. Siekmann, and Walter R. Meyer, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application January 11, 1945, Serial No. 572,388
1 Claim. (Cl. 82—24)



In a machine of the character described, a frame having means defining a work axis of rotation, a tool carrier guided by said frame for reciprocation toward and from said axis, a rack on said carrier, a shaft journaled on said frame, a pinion on said shaft meshing with said rack, a gear on said shaft, a power cylinder on said frame, a piston reciprocable in said cylinder, a rod fixed to said piston and having a rack on its end meshing with said gear, guide means for said rack, and a stop pin threaded into said frame and positioned to be engaged by said rack to positively limit movement of said carrier toward said axis.

2,470,305
PROCESS FOR THE PRODUCTION AND REFINING OF ALUMINIUM
Philipp Gross, Slough, England, assignor to International Alloys Limited, Slough, England, a body corporate of Great Britain
Application April 18, 1945, Serial No. 589,093
In Great Britain April 19, 1944
16 Claims. (Cl. 75—68)

1. A process for obtaining aluminium as a distillate from material bearing the same, which comprises evaporating a halide of the class consisting of fluoride, chloride and bromide, contacting and reacting the halide vapour in an unsaturated condition with said material at elevated temperature whereby to volatilize the aluminium by a strongly endothermic reaction as unstable aluminium halogen compound vapours, said temperature, under the prevailing pressure, being below the temperature of direct evaporation of the aluminium from said material but high enough to enable said strongly endothermic reaction leading to the formation of the unstable

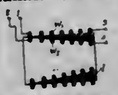


compound vapours to proceed, and converting said unstable vapours into aluminium and a stable halide by cooling said vapours to condense aluminium in the metallic state.

2,470,306
PROCESS FOR THE PRODUCTION AND REFINING OF METALS
Philipp Gross, Slough, England, assignor to International Alloys Limited, Aylesbury, England
No Drawing. Application July 22, 1947, Serial No. 762,627. In Great Britain March 27, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 27, 1966
11 Claims. (Cl. 75—93)

1. A process for distilling a normally non-volatile metal from material bearing the same, which comprises reacting at elevated temperatures the metal contained in the material with the vapour phase of a reacting halogen containing substance, brought to said phase previous to reaction, thereby to vapourize the said metal by a strongly endothermic reaction as its unstable lower halide, said temperatures, under the prevailing pressure, being below the temperature of direct evaporation of the said metal from the said material but high enough to enable said strongly endothermic reaction leading to the formation of the lower halide to proceed, and converting said lower halide into the metal and a stable halide by condensation of the metal to recover the metal therefrom.

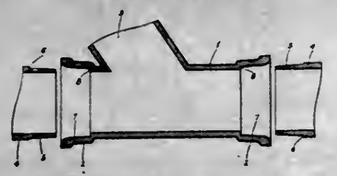
2,470,307
HIGH-FREQUENCY MATCHING TRANSFORMER
Gustav Guanella, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application April 5, 1945, Serial No. 586,766
In Switzerland February 25, 1944
2 Claims. (Cl. 178—44)



1. A matching transformer comprising a pair of conducting wires each wound into a helical coil, one of said coils being located concentrically and inside the other coil and both coils having a relative taper such that adjacent coil winding

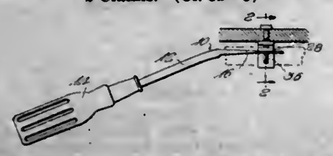
turns are spaced at a progressively varying distance to form a continuous coiled two-wire transmission line having a wave impedance varying from one end to the other end of said line, and a tapering dielectric spacing member occupying the intervening space between said coils.

2,470,308
FITTING FOR FIBER PIPES
George F. Haddican, Delano, Calif.
Application January 3, 1947, Serial No. 719,998
1 Claim. (Cl. 285—210)



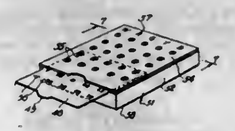
In a fitting for coupling together a metal bell portion and a fiber conduit comprising, in combination, a tubular cast metal fitting having an outwardly flared free end bell portion, said bell portion being formed internally with an outwardly facing shoulder disposed perpendicular to the longitudinal axis of the bell portion and disposed inwardly a predetermined distance from the rim of the mouth of the bell, the internal wall of the bell defining the bell portion of the fitting being tapered outwardly from the surface of said shoulder, said rim around the inner periphery of the mouth of the bell portion being rounded outwardly and a fiber conduit having a circumferential forward facing external shoulder positioned inwardly from the free end thereof a distance greater than the distance from the internal shoulder in the bell portion, to thereby extend beyond the free rounded end at the mouth of the bell portion, said fiber conduit having its free end portion outwardly of the forwardly facing shoulder exteriorly tapered to correspond to the angle of taper of the tapered internal wall of the bell portion, said fiber conduit having its free end formed with a flat edge rim surface disposed perpendicular to the longitudinal axis of the said conduit in flush abutting contact with the said outwardly facing shoulder in the bell portion, whereby the external shoulder of the fiber conduit is positioned and spaced outside the mouth of the bell portion adjacent the rounded inner periphery of the bell mouth when said flat edge rim surface of the fiber conduit and said outwardly facing shoulder in the bell portion are in abutting contact.

2,470,309
CLIP RETAINING TOOL
Peter P. Hepp, Aberdeen, Md.
Application October 25, 1945, Serial No. 624,408
2 Claims. (Cl. 81—3)



1. A clip retaining tool comprising a shank, and a claw at one end of said shank having transversely spaced arms threaded along their inner side edges for gripping engagement with threaded element to hold the clip against axial displacement on the latter.

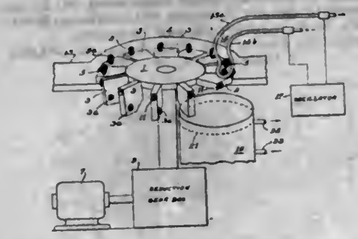
2,470,310
INDICATOR CARD FOR BINGO OR LOTTO GAMES
Herman Heyman, Brooklyn, N. Y.
Application June 8, 1946, Serial No. 675,420
2 Claims. (Cl. 273—135)



1. A game such as bingo where there are provided a plurality of cards each having a different group or arrangement of integers thereon selected from a larger predetermined number of integers, wherein each player receives one of said cards, wherein a dealer calls a succession of integers from said larger predetermined number of integers, wherein the players cover the integers called which integers happen to appear on their respective cards, and where the winner is determined by the player who is first to cover a predetermined number or arrangement of integers which have been called, characterized by the combination of a casing having a first support including a plate having a plurality of circular recesses, a second support in said casing below said plate and spaced therefrom to form a pocket, a dealt imperforate card having a predetermined group of integers impressed thereon in position to aline with the recesses in said plate when the card is positioned in said pocket, the recesses and integers being arranged in a plurality of rows, a plurality of groups of spherical bodies, one group for each row of recesses, the groups being optically distinguishable from one another, the edges of the plate surrounding the recesses being less in diameter than the diameters of the great circles of said spherical bodies to form seats for said spherical bodies in turn to receive and support said spherical bodies effectively and completely to cover the integers appearing on the dealt card which integers have been called by the dealer, and notations impressed on said plate, one notation at the top of each row of recesses to indicate the group of spherical bodies to be received in such row.

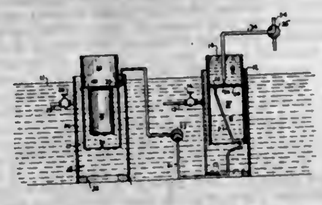
2,470,311
ROTARY CONVEYER
Cyril N. Hoyler, Princeton, and Rudolph A. Bierwirth, Kingston, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application April 16, 1943, Serial No. 483,258
1 Claim. (Cl. 198—209)

Apparatus of the character described comprising a stationary horizontal platform, a plurality of object holders pivotedly mounted in spaced relation for movement in a horizontal plane upon said platform and in a return path which extends beyond an edge of said platform, means for moving said holders beyond said edge of said platform whereby said holders are free to be swung downwardly on their pivots and caused to discharge any objects thereon and, upon continuation of said movement in said path, are returned



to their said horizontal position upon said platform.

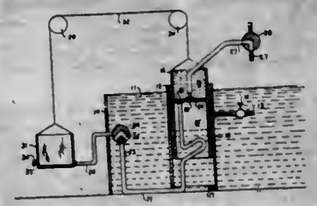
2,470,312
RECIPROCAL BUOYANCY LIFT
Abraham J. Levin, Franklin, Mich.
Application March 22, 1948, Serial No. 16,305
8 Claims. (Cl. 253—1)



1. In combination, an open-ended upright partitioned housing immersed in a fluid body and having upper and lower chambers, a compressed air supply conduit in communication with the lower chamber, a second upright housing floating in said fluid and having a fluid compartment, an airtight bulkhead carried thereby creating a reserve buoyancy for said second housing, valve means in said conduit for controlling the flow of air to said lower chamber entrapping a column of air therein to develop a reserve buoyancy in said first housing causing said upper chamber to rise above said compartment creating a head of fluid in said upper chamber relative to said compartment, a fluid conduit interconnecting said upper chamber and compartment and valve means in said conduit alternately connectable with said compartment and with said fluid body.

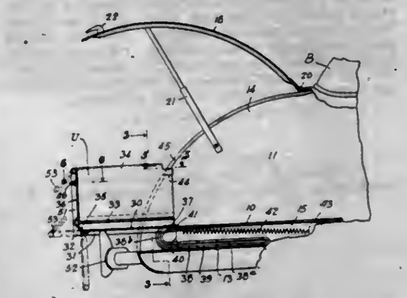
2,470,313
ACCELERATED VARIABLE BUOYANCY LIFT
Abraham J. Levin, Franklin, Mich.
Application March 26, 1948, Serial No. 17,297
7 Claims. (Cl. 253—1)

3. In combination, an open-ended upright partitioned housing immersed in a fluid body and having upper and lower chambers, a compressed air supply conduit in communication with the lower chamber, a fluid container, a plurality of pulleys, means interconnecting said housing and container suspending the same from said pulleys in spaced relation, a conduit providing communication between said upper chamber and container, valve means in said air conduit controlling the flow of air into said lower chamber entrapping a column of air therein to develop a reserve buoyancy in said housing causing said upper chamber to rise above said container creating a head of fluid in said upper chamber relative to said container, valve means in said fluid conduit controlling the flow of fluid between said upper chamber and container and adapted to alternately establish communication between said
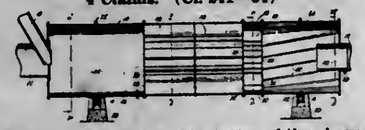


upper chamber and said fluid body, the reserve buoyancy in said housing increasing as fluid flows from its upper chamber reducing its weight, and in view of the upward thrust of its suspending means due to the increased weight of said container, and a fluid escape valve adjacent the lower end of said container to permit the withdrawal of fluid therefrom.

2,470,314
STORAGE ATTACHMENT FOR AUTOMOBILE BODIES
Peter Lim, Los Angeles, Calif.
Application May 7, 1945, Serial No. 592,314
9 Claims. (Cl. 296—26)



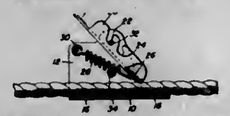
1. A storage attachment adapted for installation in an automobile body having a partition dividing it into upper and lower compartments, and a lid for closing the compartments, said storage attachment comprising: a storage unit having a bottom and sides mounted thereon for adjustment to occupy a side-forming position and a folded position wherein the unit forms a flat structure; and means mounting said unit on the body for adjustment to occupy a position for use wherein said bottom and sides form rearward continuations of said partition and of the body, respectively; said mounting means including guides by which the unit, when folded, will be guided in said lower compartment to occupy a non-use position therein; said guides having portions guiding said unit vertically when withdrawn from said lower compartment, to occupy said position for use.

2,470,315
MULTIPLE STAGE PULVERIZING AND DEHYDRATING TUBE MILL
Wallace L. McGehee, Kansas City, Mo.
Application April 29, 1944, Serial No. 533,274
4 Claims. (Cl. 241—54)



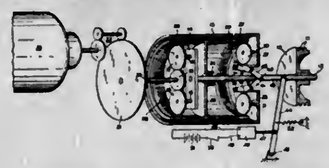
2. A continuous flow dehydrator of the character described, comprising a rotatable cylinder having its longitudinal axis disposed horizontally; means for rotating the cylinder; a hot gas inlet conduit axially disposed at one end of the cylinder; an outlet pipe axially positioned through the other end of the cylinder; means for feeding material to be dehydrated into said cylinder adjacent said hot gas inlet conduit; a suction fan in communication with the outlet pipe to create a current of gas through the cylinder from the inlet conduit to the outlet pipe; and a plurality of partitions setting off a series of divisions within the cylinder, each of said partitions being an annulus and extending radially inwardly from the wall of the cylinder, whereby to present an opening for the passage of the material being dehydrated, from one division of the cylinder to the next, one of said divisions having a number of grinder balls and a plurality of radially disposed shovels between the partitions forming that division, said shovels each having their outer ends spaced from the inner annular surface of the cylinder wall to allow free movement of the balls along the inner face of the wall of the cylinder and between the partitions forming the division containing the balls, said shovels each having its inner marginal portion forwardly angled out of the major plane of the shovel to retain the lifted material thereon until the remaining portion of the shovel passes a vertical position at the uppermost part of its path of travel.

2,470,316
ROPE HOLDER
John Zin Miller, Hagerstown, Md.
Application September 22, 1947, Serial No. 775,427
6 Claims. (Cl. 24—134)



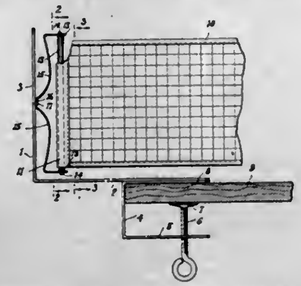
5. A rope holder comprising a housing having a base and sides, a rope engaging member, means for pivotally and adjustably supporting said member in said housing, means for resiliently biasing said member toward said base, friction conducive means associated with said member, and means for limiting the pivotal travel of said member, said supporting means including a pin secured to said sides, flanges on said member, pairs of aligned slots in said flanges having angularly disposed slots communicating with said first mentioned slots and selectively seated on said pin, said limiting means comprising a pair of stops secured to said sides engageable with said flanges, said limiting means including a spring detachably secured to said pin and said member, said friction means comprising a plurality of teeth adapted to engage a rope.

2,470,317
DISCONNECTIBLE COUPLING DEVICE
Norman B. Murphy, West Englewood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application January 30, 1946, Serial No. 644,223
4 Claims. (Cl. 74—785)



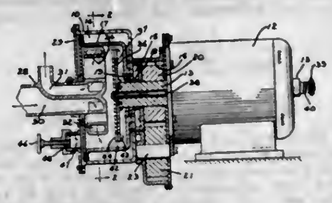
1. In combination, a driving member, a driven member, a shaft for operating said driven member in accordance with the operation of said driving member, a support carried by said shaft, means comprising a planet gear journalled in said support for rotation relative to said shaft on an axis out of alignment with the axis of rotation of said shaft and driven by said driving member, a pair of spaced, interconnected and internally toothed annular gears sleeved on said shaft, one of said annular gears meshing with said planet gear for rotation thereby of both of said annular gears relative to said shaft, a spur gear engageable with the other of said annular gears and normally driven thereby, means for locking said spur gear against rotation whereupon both of said annular gears are held against rotation and said planet gear is caused to ride on said one annular gear to thereby drive said shaft in accordance with the operation of said driving member, and means comprising a toggle mechanism for operating said locking means.

2,470,318
SUPPORT FOR TABLE TENNIS NETS
Samuel Nadelson, New York, N. Y.
Application December 15, 1945, Serial No. 635,139
2 Claims. (Cl. 273—30)



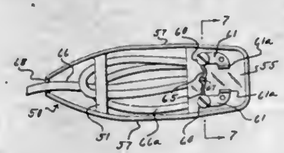
1. A net holder comprising, a bracket having an upright post, a leaf spring secured to the inner face of the post, said spring having a pair of resilient arm portions bowed or shaped to cause the same to extend toward the inner face of the post, lateral ends on said arm portions extending in a direction away from the post, a rod holding one end of a net, said rod being resiliently clamped between the lateral ends of the spring arms, said ends being apertured to receive the ends of the rod.

2,470,319
PUMP
Edward O. Norris, Westport, Conn.
Application January 15, 1946, Serial No. 641,254
16 Claims. (Cl. 103—113)



16. A liquid pump comprising a rotary cylindrical case, an air suction impeller connected to draw air from the interior of said rotary case for maintaining suction therein, an inlet duct for feeding liquid into said case due to the suction thereof, means rotating said case to maintain a peripheral film of liquid therein, and a discharge duct positioned in said case to receive liquid from said peripheral film under a pressure due to the centrifugal force developed by the rotation thereof.

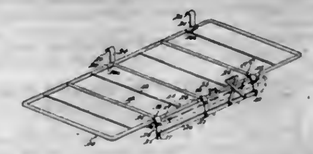
2,470,320
ELECTRICAL CONNECTION DEVICE
Herbert E. Page, Alhambra, Calif.
Application January 13, 1945, Serial No. 572,687
1 Claim. (Cl. 173—361)



In an electric wire connector device, an elongated casing open at its bottom and having a wire passing opening in an end, a base of shorter length than the casing mounted in closing relation to a portion of said open bottom at one end, plug means carried by the base and projecting therefrom for insertion in a plug receptacle member, means for connecting the plug means to a wire in the casing, and means for supporting a coil of excess wire in the casing comprising a cross piece fixed at its respective ends to opposite sides of the casing at a point between the base and the opposite end of the casing, said cross piece being narrow enough in relation to the open bottom end of the casing to permit access to the casing through the bottom thereof for the purpose of inserting said coil.

2,470,321
BODY POSITIONER ATTACHMENT FOR CASKETS
Earl R. Reese and Albertus Upton, Newton, Ill.
Application November 14, 1947, Serial No. 786,012
5 Claims. (Cl. 27—12)

4. A body positioner for a casket comprising a supporting frame adapted to be disposed in the bottom portion of a casket for supporting a corpse thereon, and means for supporting the longitudinal sides of the frame at different levels with respect to the casket bottom, said frame being

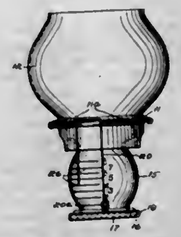


formed of separable head and foot sections, and said means being connected to said head section for supporting said head section separately or for supporting the frame as a unit.

2,470,322
THERMOSETTING PHENOLIC MOLDING COMPOSITIONS
Fritz Rosenthal, Gloucester City, N. J., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn., a corporation of Tennessee
No Drawing. Application August 13, 1945, Serial No. 610,669
4 Claims. (Cl. 260—7)

3. A thermosetting molding composition comprising approximately four parts of phenol-formaldehyde resin, from three to four parts of cottonseed hulls and a flow modifier of from one to four parts of cooked oil-extracted cottonseed meal.

2,470,323
COFFEE MAKER
Roland L. Smith, Belmont, Mass., assignor to Nuproducts Corporation, Cambridge, Mass., a corporation of Massachusetts
Application June 4, 1945, Serial No. 597,518
2 Claims. (Cl. 99—292)

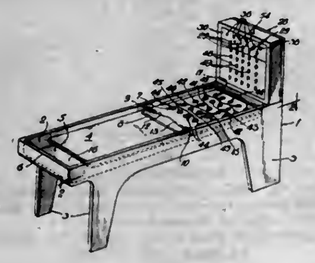


1. An infusion vessel for use with the lower water-heating vessel of a coffee maker, comprising a container having a tubular reservoir for holding ground coffee and a larger reservoir thereabove, a ring on and extending exteriorly about the infusion vessel between the two reservoirs for supporting the infusion vessel on and with its tubular reservoir depending into the lower vessel, a flexible filter over the bottom end of the infusion vessel, a draw string for maintaining the filter in place on the vessel, and means carried by the ring for receiving and anchoring the draw string.

2,470,324
GLYCIDYL ESTER COPOLYMERS
Hanns Peter Staudinger, Ewell, Donald Faulkner, Cambridge, and Maurice Dudley Cooke, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application December 9, 1944, Serial No. 567,527. In Great Britain December 3, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 3, 1963
5 Claims. (Cl. 260—86.3)

1. A process for the production of improved polymers of halogen-containing ethenoid compounds which comprises polymerising in aqueous emulsion a mixture of a halogen-containing ethenoid compound with from 1% to 50% by weight thereof of an unsaturated glycidyl ester containing an unsaturated aliphatic group.

2,470,325
POCKETED BALL GAME
Theodore B. Stillman, Brooklyn, N. Y.
Application January 16, 1946, Serial No. 641,526
2 Claims. (Cl. 273—125)



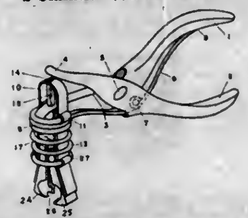
1. A game comprising a target including a plurality of missile interceptors, each adapted to retain only momentarily a missile intercepted thereby, and a plurality of electrically operated signalling devices, each connected in an energizing circuit including a normally open switch and adapted to be completed by closing said switch, all but one of said energizing circuits including an additional normally open switch connected in a parallel branch circuit so that the energizing circuit can be completed by closing either switch, each of a number of said interceptors equal to the total number of normally open switches being provided with a normally open switch adapted to be closed momentarily by a missile intercepted by the interceptor, each switch being connected in a circuit containing a relay means for closing a corresponding one of the switches in the energizing circuits and for completing a hold-in circuit which maintains energization of the relay means when the interceptor switch opens, each of the remaining interceptors being provided with a normally closed switch adapted to be opened momentarily by an intercepted missile, the last mentioned switches being connected in a series circuit forming a part of each of the interceptor circuits associated with one of the energizing circuits which includes a plurality of switches.

2,470,326
EARTH ANCHOR
Oscar F. Tallman, St. Louis, and Kenneth R. Bunde, Lemay, Mo., assignors to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application April 24, 1947, Serial No. 743,552
3 Claims. (Cl. 24—136)



1. An earth anchor which includes an elongated anchor rod, and a clamping device associated with said anchor rod adjacent to an end thereof and adapted to attach a guy to said anchor rod, said clamping device comprising a longitudinally tapered housing of U-shaped cross-section having a wall portion in contact with which a portion of said guy is disposed, and wedge-shaped means located within said housing and interposed between a portion of said anchor rod and a portion of said guy in contact with said anchor rod and guy portions for forcing said portion of said guy into gripping engagement with the wall portion of said housing with which it contacts, a portion of said anchor rod forming a wall portion of said housing.

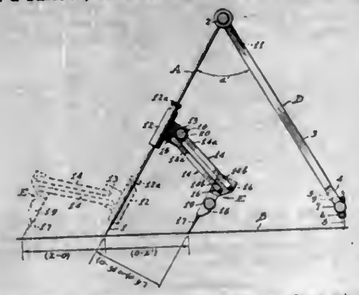
2,470,327
CLOCK HAND REMOVING TOOL
Wallis M. Tener, Lancaster, Pa.
Application February 8, 1946, Serial No. 646,276
2 Claims. (Cl. 29—232)



1. A tool for removing frictional held hands from shafts comprising a pair of manually operable pivoted levers terminating in hand grips at one end and jaws at the other end, spring means for normally forcing said jaws apart, a block secured to the lower of said jaws and formed with a central bore, a pin slidably mounted in the bore of said block, a yoke secured at a central portion to the upper end of said pin and extending downward on each side thereof, a pair of spring strips secured to opposite sides of said block and projecting downwardly therefrom, a coil spring depending from and secured to said yoke, the lower coil of said spring engaging the spring strips, a pair of hand gripping jaws of wedge shape formation secured to said spring strips, said hand gripping jaws being formed with cooperating semicircular grooves to receive and guide that part of the pin projecting below the block, the lower extremity of said jaws being formed to grip the hands to be removed, whereby manual operation of the levers will bring the upper jaw to bear against the yoke, the lower jaw moving the block and its hand gripping jaws upwardly while the upper jaw presses the yoke, the pin and the coil spring downwardly.

2,470,328
DRAFTING INSTRUMENT FOR DRAWING ELLIPSES
Robert G. Towle, San Francisco, Calif.
Application September 23, 1946, Serial No. 698,838
1 Claim. (Cl. 33—30)

In a drafting instrument for drawing ellipses on a surface, an axial leg having a pointed end



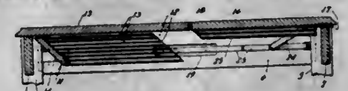
arranged to be pressed into the surface at the intersection of the major and minor axes of an ellipse to be drawn, a sleeve rotatably and slidably disposed on the axial leg, an inscriber mounted parallel to the axial leg, a pair of parallel links interconnecting the inscriber with the sleeve and made to retain the inscriber parallel with the axial leg as the inscriber is moved around the axial leg for drawing an ellipse on the surface, a pair of downwardly diverging legs rigidly connected together at their tops and hinged to the top of the axial leg for supporting the latter at various inclinations relative to the surface, the lower end portions of the diverging legs extending parallel to each other, a bar extending between the lower end portions and having point-carrying clamps at its extremities, adjusting screws for the clamps pivotally connecting the clamps and bar to the lower parallel end portions of the diverging legs, a pointer arranged on the bar midway between the ends of the point-carrying clamps, points carried by the clamps and lying in the same plane as the pointer, whereby the pointer and points can be swung as a unit into positions perpendicular to the surface, the pointer being placed on the major axis.

2,470,329
ASPHALT MOLDING COMPOSITIONS
Raymond A. Barkhuff, Jr., Hazardville, Conn., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 27, 1948, Serial No. 4,710
3 Claims. (Cl. 260—17.4)

1. An acid resistant molding composition comprising asphalt admixed with a cellulosic fiber impregnated with a copolymer of styrene and maleic anhydride.

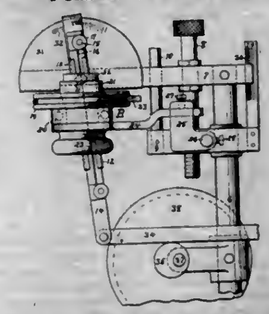
2,470,330
PIANO BENCH
Virgil D. Belfield and Elsie Belfield, Elkhorn, Wis.
Application March 7, 1946, Serial No. 652,696
4 Claims. (Cl. 45—64)

1. A piano bench comprising a frame including corner supporting legs, and front, rear and end rails rigidly connecting the upper ends of the legs, a horizontal sheet music rack mounted within the frame and comprising a casing open at one end and closed at the other end, and fixed horizontal partitions dividing the casing into similar superposed compartments, said partitions and compartments gradually receding relative to each other at said one end in an upward direction, and a flat bench top on the frame including a fixed section secured on one end of the frame and forming a fixed seat section, and a vertically



swinging section hinged on the other end of the frame and forming a lid section adapted to be opened to permit access to sheet music filed in the rack, said rack being located and always remaining in a horizontal position directly beneath the bench top and being positioned so that its open end is revealed adjacent but just beyond the inner end of the seat section when the lid section is opened.

2,470,331
MACHINE FOR LAPPING WIRE DRAWING DIES
Paul Bieberich, Fort Wayne, Ind.
Application December 15, 1945, Serial No. 635,260
4 Claims. (Cl. 51—67)

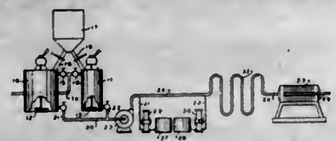


3. A lapping machine for wire drawing dies consisting of a supporting member, a rotatable die mount having supported connection with said member, means on said member for axially adjusting said mount, a guideway supported on said member provided with means for adjusting said guideway upon an axis that intersects at right angles the axis of said mount, a jig mounted in said guideway having longitudinal reciprocating movement therein, provided with a lapping wire that extends through the bore of a die compact supported on said mount and which extends in a plane parallel to that of the movement of said jig, and mechanism for activating the mount and said jig.

2,470,332
DECOLORIZATION AND CLARIFICATION OF SUGAR LIQUORS
Armand R. Bollaert, Palos Verdes Estates, and Gordon G. Halvorsen, Manhattan Beach, Calif., assignors to Great Lakes Carbon Corporation, a corporation of Delaware
Application September 29, 1945, Serial No. 619,412
5 Claims. (Cl. 127—50)

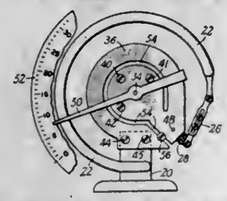
1. The method of simultaneously clarifying and defecating a sugar liquor by treatment with

a filter aid in quantity sufficient for the clarification thereof and with reagents consisting of phosphoric acid and calcium hydroxide which comprises: dispersing said filter aid in said liquor; pumping a stream of said liquor under pressure toward a filtering medium; adding said reagents to said pressure stream individually and at spaced



points along its path of flow and gently mixing said liquor after both said reagents have been added, whereby a precipitate of calcium phosphate is formed in said pressure stream, and removing said filter aid and said precipitate by passing said stream under pressure through said filtering medium.

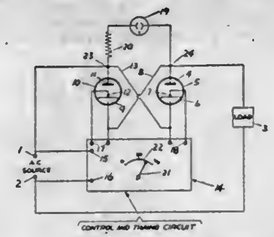
2,470,333
ZERO ADJUSTMENT MEANS
Hoel L. Bowditch, Sharon, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application June 2, 1945, Serial No. 597,356
2 Claims. (Cl. 73—415)



1. In an indicating apparatus of the character described, in combination, a support, responsive means mounted on said support and movable to positions in response to changes in a variable condition, a supporting plate portion, a shaft rotatably supported by said plate portion and rotatable about a first axis, a lever pivotally supported by said plate portion and rotatable about a second axis spaced from the first axis, said lever being mechanically connected to said responsive means and to said shaft whereby movement of said responsive means rotates said shaft, an arcuate spring strip for supporting said plate portion from said support and being flexible to provide for arcuate movement of said second axis about said first axis as a center without imparting translatory movement to said first axis, whereby movement of said plate portion and second axis adjusts the rotational relationship of said shaft and said responsive element, and means for adjusting the strain of said spring strip to adjust said rotational relationship.

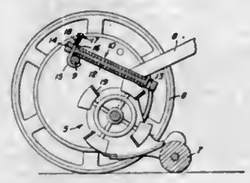
2,470,334
ALTERNATING CURRENT LOAD INDICATOR
Rufus L. Briggs, Melrose, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 13, 1946, Serial No. 676,398
5 Claims. (Cl. 177—311)

1. An indicator circuit for an alternating current load, including, in combination, a pair of parallel but oppositely-related controlled discharge tubes connected in series between a source of alternating current and a load adjustable control means connected to said discharge tubes and



controlling them to conduct without substantial time delay between them, and a glow-discharge device connected across similar electrodes of said pair of discharge tubes.

2,470,335
LAWN MOWER SHARPENER
Leo J. Bromert, Hutchinson, Kans.
Application September 2, 1948, Serial No. 47,477
2 Claims. (Cl. 51—250)

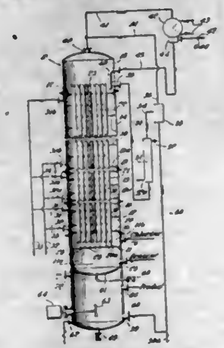


1. A sharpener for attachment to an existing cross-rod in the frame structure of a conventional reel-type lawn mower comprising a substantially flat rectangular plate provided on one side with abrasive media adapted for wiping contact with the cutting blades of the stated reel, said plate being provided at its corner portions with soles to accommodate fasteners, and fasteners, each fastener including an attaching hook and a shank portion, the shank portion being removably mounted in a selected hole and being provided with a cotter-key and further provided with a coiled spring, the coiled spring surrounding the shank between the cotter-key and an adjacent surface of said plate.

2,470,336
HALOGENATION OF AROMATIC HYDROCARBONS
Austin S. Brunjes, Plandome, N. Y., and Marcel J. P. Bogart, Teaneck, N. J., assignors to The Lummus Company, New York, N. Y., a corporation of Delaware
Original application June 22, 1942, Serial No. 447,983. Divided and this application July 20, 1945, Serial No. 606,250
2 Claims. (Cl. 260—650)

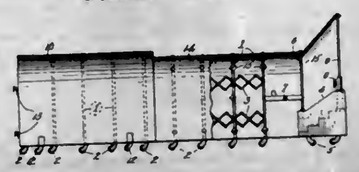
1. A continuous method of chlorinating benzene to produce maximum amounts of monochlorbenzene and minimum amounts of polychlorbenzene with high conversion of benzene, which comprises

providing a spaced group of long, catalyst packed reaction tubes extending vertically; continuously introducing gaseous chlorine into a confined space surrounding the lower ends of said tubes; continuously feeding liquid benzene into said confined space by means of a plurality of nozzles, each of which is directed into the lower end of one of the reaction tubes; removing the heat of reaction separately from vertically spaced sections of said group of tubes in accordance with the amount of heat generated therein to maintain an approxi-



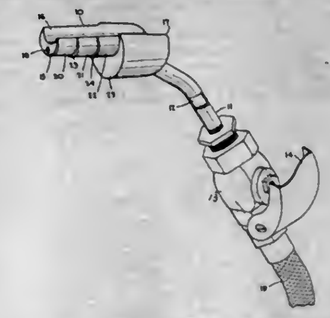
mately uniform temperature of 40° to 50° C. throughout the long reaction tubes; providing a confined collecting space around the upper ends of the reaction tubes; separately removing the vapor and liquid portions of the mixture of reaction products issuing from said reaction tubes; cooling the vapor portion thus removed to condense the benzene and chlorbenzene contained therein; venting the uncondensed hydrogen chloride; and returning the condensate to the collecting space.

2,470,337
EXTENSIBLE CANOPY
Richard L. Campbell, Carterville, Mo.
Application January 20, 1947, Serial No. 723,063
4 Claims. (Cl. 304—1)



3. An airport canopy comprising an extensible member, a shelter member and a step platform member connected together in alinement, the extensible member being composed of a series of parallel upright arches, lazy tongs connecting the arches, and a flexible waterproof fabric draped over the top and sides of the arches and connected for extension with or collapse by corresponding adjustment of the arches, the extensible member having a cover extension overlying the platform member, the platform member having an arch for vertically adjusting the cover extension relative to a height exceeding or less than that of the shelter member.

2,470,338
PROBE PRESSURE GUN
Ernest G. Chilton, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application November 29, 1947, Serial No. 788,911
2 Claims. (Cl. 175—183)

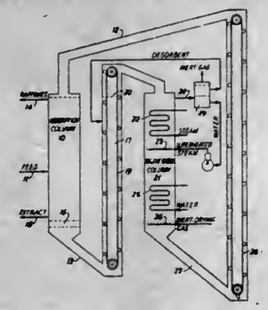


1. For use in combination with a probe element adapted to be inserted into a tube at the end of a cable, a fluid pressure device for forcing said element and cable through said tube, said device comprising an elongated barrel body having one end adapted to be inserted into the tube behind said probe element, said barrel body being formed of a plurality of cylindrical elements having diameters increasing in a step-wise fashion from said insertable end of the barrel body, said elements being arranged longitudinally and eccentrically of each other, so as to be tangent to a single plane parallel to the axis of said cylindrical elements, whereby a series of crescent-shaped shoulders is formed between said cylindrical elements, each of said shoulders being adapted substantially to close the orifice of a pipe when the adjacent cylindrical element of the smaller diameter has been inserted into said pipe, said barrel body having a longitudinal open groove cut therein from one end to the other symmetrically to said plane of tangency, said groove being adapted to receive and to guide the cable attached to said probe element, said barrel body having a bore formed therein co-longitudinally with said groove, said bore being open at the end of the barrel body insertable into the tube, pressure fluid conduit means in communication with said bore, and valve means for controlling the delivery of the pressure fluid from said conduit means through the open end of said bore to the space within the tube behind said probe element, whereby said probe element is propelled in said tube together with the attached cable entering said tube through said groove.

2,470,339
CONTINUOUS ADSORPTION PROCESS
William H. Claussen, Berkeley, and William H. Shiffler, San Francisco, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application July 30, 1945, Serial No. 607,730
15 Claims. (Cl. 196—147)

1. A process for continuously separating organic compounds capable of being selectively adsorbed by contact in the liquid phase with a solid adsorbent and wherein the specific gravity of the non-adsorbed fraction is less than that of the selectively adsorbed fraction, which comprises

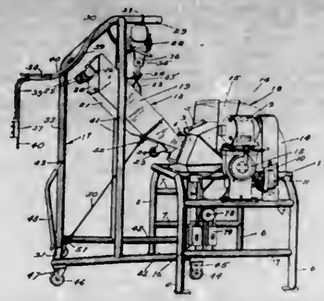
continually moving particles of a suitable solid adsorbent aggregated into a columnar mass or bed downwardly by gravity flow through an adsorption zone, continually feeding the organic compounds in the liquid phase at an intermediate point into the adsorption zone into contact with the moving mass of adsorbent, continually withdrawing a liquid non-adsorbed fraction from the upper portion of the adsorption zone, maintaining adjacent said adsorption zone a column of a desorbent liquid in free fluid inter-communication with the base of the adsorption zone, said column having a vertically extending portion of sufficient height to bal-



ance the column of liquid in the adsorption zone and a second portion extending upwardly to the base of said adsorption zone thereby constituting a desorption zone, withdrawing the solid adsorbent particles from the adsorption zone through said column whereby the selectively adsorbed fraction is desorbed by the liquid desorbent, withdrawing from the lower portion of the desorption zone the liquid fraction thus desorbed, separating the liquid desorbent from the solid adsorbent withdrawn from said column and continually adding to said column quantities of liquid desorbent corresponding to that withdrawn therefrom thereby maintaining the vertically extending portion at the required height.

2,470,340
DEBURRING AND POLISHING APPARATUS
Ernest E. Cook and Harry J. Sadler, Minneapolis, Minn., assignors to Almco, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application July 15, 1946, Serial No. 683,596
3 Claims. (Cl. 214—121)

1. A hoisting mechanism comprising, a horizontally-disposed forwardly-opening U-shaped hoist frame member, a vertically-disposed inverted U-shaped hoist frame member connected at its base to the opposite sides of the horizontal hoist frame member intermediate the ends thereof, a hoist-supporting element secured to the upper portion of said vertical hoist frame member and projecting forwardly intermediate the sides thereof, a hoist detachably secured to and depending from said hoist-supporting element, hook means carried by said hoist, a portable hoist pan adapted to pass between the side members of said horizontally-disposed U-shaped hoist frame member, a centrally-located transverse hoisting bar on said hoisting pan, a bail on said hoisting bar adapted to be engaged by the hook means carried by the hoist, and a cable secured at one end to the front end of the hoist pan and at its other end to the closed end of the horizontally-disposed hoist frame member, said cable being of a length to tilt the hoist pan forwardly



to dump its contents when said hoist pan has been elevated to a predetermined position.

2,470,341
METHOD OF FLAW DETECTION
William C. Darrah, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
No Drawing. Application March 7, 1946, Serial No. 652,824
8 Claims. (Cl. 250—71)

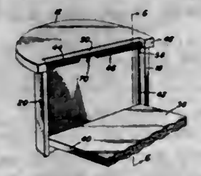
1. A method of processing a metallic body for the detection of flaws therein, comprising working a mixture of finely-divided powder of a material insoluble in a liquid and a powder of a fluorescent material soluble in said liquid into the flaws of said body, immersing the body in said liquid, and removing the excess liquid and powder from the surface of the body.

2,470,342
DISPENSER FOR ADHESIVE TAPES
Vincent L. De Luisi and Charles F. Murtaugh, Columbus, Ohio
Application September 27, 1946, Serial No. 699,720
3 Claims. (Cl. 242—55.5)



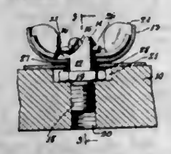
1. A dispenser for rolled tape of the type provided with a central tubular core comprising a pair of mating semicircular shells adapted for detachable connection with one another to form a substantially hollow cylinder, each of said shells being formed with a pair of inwardly projecting semicircular ledges adapted to form circular end hubs with the corresponding edges of the opposite shell when the two shells are connected, said hubs being adapted for insertion within the respective ends of said core to rotatably maintain the rolled tape within said cylinder, one of said shells being recessed along one of its adjoining peripheral edges to form a slot through which an end of the rolled tape may pass exteriorly of said cylinder, and a cutting edge carried by the outer curved surface of one of said shells.

2,470,343
WALL TABLE STRUCTURE
Fred K. Dinger, Chisholm, Minn.
Application September 9, 1946, Serial No. 48,513
3 Claims. (Cl. 311—19)



3. A table structure comprising a support having an upper flat wall and a pair of side members, an anchor member secured to a supporting structural element, a panel hinged to said anchor member, guide slots provided in said side members, guides carried by said panel slidably received in said slots, the under surface of said upper wall having a notch, a reduced extension projecting from said panel and received in said notch for supporting said panel substantially coplanar with said upper wall, and means for locking said panel to said upper wall.

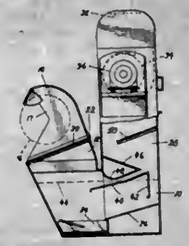
2,470,344
FASTENER
William Dzus, West Islip, N. Y.
Application July 21, 1945, Serial No. 606,313
3 Claims. (Cl. 24—221)



1. In a fastening device, a receptacle member of the type engageable with a stud member upon rotation with respect thereto and comprising a base plate having an aperture therein; handle means on said base plate for use in rotating the same; and a wire spring supported on said base plate and formed with a cross-bar portion extending across the aperture, loop portions connected to opposite ends of the cross-bar portion, and anchor portions connected to the outer ends of the loop portions and frictionally held and anchored in the handle means.

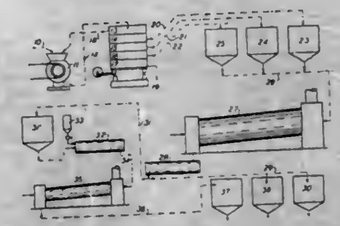
2,470,345
AIR WASHER
Orrin E. Fenn, Detroit, Mich., assignor to Peters-Dalton, Inc., Detroit, Mich., a corporation of Michigan
Application June 28, 1943, Serial No. 492,511
3 Claims. (Cl. 183—24)

2. An air washer comprising, in combination, a tank adapted to hold a body of liquid at a predetermined level, a pair of upright juxtaposed casings surmounting said tank and opening thereinto above the level of the liquid body, one of said casings serving as an air washing chamber and the other as a collector of dust laden air, a dust collecting pan in the bottom of said tank below said dust collecting casing into which the heavier dust particles entering the liquid body fall directly, an inclined flow plate in said tank sloping upwardly from below the level of the liquid under said dust collecting casing to a point a slight distance above the level of the liquid body under said air washing casing and terminating spaced from the wall of the latter opposite to the dust collecting casing, an inclined floor section in said tank under said air washing casing sloping upwardly from the inner edge of said pan to the wall of the tank opposite thereto down which lighter dust particles removed from the air washing casing are conveyed to the pan, a substantially vertical baffle member in said tank positioned between the upper margin of said flow plate and said floor section and terminating spaced above



the latter to form in combination therewith and said wall of the tank a vertical passage opening out into the bottom of the tank in the direction of said pan for the downward and lateral movement of liquid in the tank, and means for causing dust laden air to enter and flow down into said dust collecting casing and across the surface of the liquid body and up through the air washing casing at such a velocity as to sweep liquid up said flow plate and over the upper margin thereof for return of the liquid to the liquid body above said vertical passage thereby creating a circulation of liquid in the tank aiding the flow of lighter dust particles down the sloping floor section into the dust collecting pan.

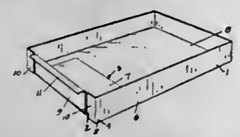
2,470,346
CALCINED DIATOMACEOUS EARTH PRODUCT
Charles A. Frankenhoff, Scarsdale, N. Y., assignor to Great Lakes Carbon Corporation, a corporation of Delaware
Original application April 30, 1946, Serial No. 665,986. Divided and this application November 12, 1946, Serial No. 709,316
3 Claims. (Cl. 252—194)



1. An anhydrous, freely permeable, granular dehumidifying agent for air and other gases, consisting essentially of massive particles of diatomaceous earth of about 0.5 inch to about 0.033 inch size prepared by calcining a raw diatoma-

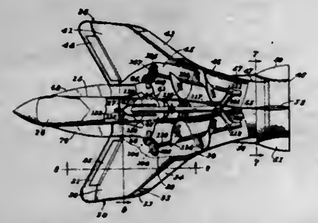
ceous earth capable of absorbing not less than about 80% of water by weight, at a temperature of about 1200° F. to about 1800° F., said particles having a water absorption of about 93 to about 114% by weight, an abrasion loss not exceeding about 6% by weight, being free of water of hydration and from the tendency to slack when wetted by water, and having a high crushing strength, said particles containing a hygroscopic salt in proportions of not less than 0.1 lb. nor more than 0.39 lb. per pound of said calcined particles.

2,470,347
LETTER TRAY
Richard L. Gallagher, Erie, Pa.
Application December 2, 1946, Serial No. 713,523
4 Claims. (Cl. 206—74)



1. A letter tray comprising two sides, an end, and a bottom with one end thereof struck out, a substantially right angled member having the vertical side thereof forming the other end of said box-like member and the other portion of said right angled member forming a portion of the bottom of said box-like member and being disposed in the struck out portion thereof, and means for tilting said right angled member.

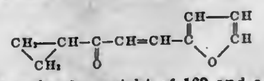
2,470,348
JET-PROPELLED AIRCRAFT
John Lewis Haight, Jr., Fort Worth, Tex.
Application July 20, 1944, Serial No. 545,823
9 Claims. (Cl. 244—15)



1. An aircraft comprising a body, means defining laterally elongated air intake openings at the sides of said body respectively, air conduits connecting said intake openings to rearwardly faced outlet openings at the rear of said body, each of said conduits including at its rearward end a cylindrical portion, turbine means including a combustion chamber in said body, compressor means in said body driven by said turbine means, a front air intake for the compression means, an outlet connection from the compressor means to said combustion chamber, exhaust conduit means for the turbine means having rearwardly directed jet openings within the cylindrical portions of said air conduits, and means driven from the turbine means for propelling air rearwardly in said air conduits.

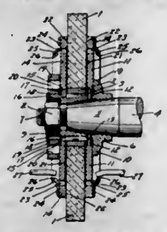
2,470,349
CYCLOPROPYL FURYL PROPENONE
James W. Hansen and Carroll C. Cassil, Berkeley, Calif., assignors to California Spray-Chemical Corporation, Richmond, Calif., a corporation of Delaware
No Drawing. Application May 29, 1945, Serial No. 596,600
2 Claims. (Cl. 260—345)

1. As a new composition of matter, the compound



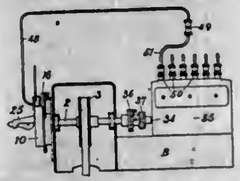
having a molecular weight of 162 and a regular rhombic crystalline form melting at 38–38½° C.

2,470,350
WATER-COOLED GRINDING WHEEL
John A. Harrington, Minneapolis, Minn., assignor to Continental Machines, Incorporated, Savage, Minn., a corporation of Minnesota
Application March 29, 1948, Serial No. 17,765
1 Claim. (Cl. 51—267)



A grinding assembly including a rotary shaft having a tapered portion and a threaded end axially outwardly of said portion, a bushing having a tapered opening corresponding to the taper on said shaft and an axially outwardly opening recess at the smaller end of said tapered opening providing a shoulder, a nut engageable with said threaded portion and said shoulder to press said bushing on the tapered portion of said shaft, a radially outwardly-projecting circumferentially-extending flange integral with said bushing adjacent its inner end, a porous grinding wheel having an axially-extended central opening receivable on said bushing, a pair of axially-spaced annular clamping flanges axially slidable on said bushing one on each side of said grinding wheel, one of said clamping flanges abutting said flange integral with said bushing, means positively locking said clamping flanges against rotation with respect to said bushing, said bushing having a threaded portion adjacent its outer end, a clamping nut on said threaded portion engageable with the other of said clamping flanges to move said clamping flanges and said grinding wheel toward frictional locking engagement with each other and with the flange on said bushing, each of said clamping flanges being provided with a circumferentially-extended row of spaced apertures axially therethrough, said apertures being spaced uniformly from the axial center of said flanges and spaced radially inwardly from the periphery thereof, said flanges being provided with opposed annular recesses which extend radially from the central openings therein to a point beyond the spaced apertures, an annular lip carried by each of said flanges intermediate said rows of apertures and the peripheral edge of said flanges whereby to provide radially inwardly opening channels communicating with said apertures, and means for simultaneously supplying a fluid coolant to said channels radially outwardly of said bushing.

2,470,351
TESTING PHASE ANGLE AND INJECTION PERIODS OF FUEL INJECTION PUMPS
Leslie Hartridge, Buckingham, England
Application February 22, 1944, Serial No. 523,448
In Great Britain February 22, 1943
14 Claims. (Cl. 73—118)



1. A method of ascertaining the phase angle or timing between the pump stages of a multi-stage fuel injection pump, consisting in intermittently supplying liquid to an injector from a pump stage, directing the resulting sprays produced during successive injection periods of the pump stage through an aperture open to the spray only at the moment of commencement of each of said periods whereby that portion of the spray produced at this moment becomes visible at the side of the aperture furthest from the injector and repeating this procedure with a second stage of the pump, the angular displacement of the shaft of the pump being tested from the shaft position at which the preceding visible sprays occurred to the shaft position at which the succeeding visible sprays occur being noted and this angle being the phase angle between the said stages of the pump.

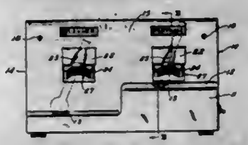
2,470,352
ELECTRICAL RESISTOR
Thomas Holmes, London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustee
Application July 20, 1945, Serial No. 606,165
In Great Britain March 21, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 21, 1964
3 Claims. (Cl. 201—76)



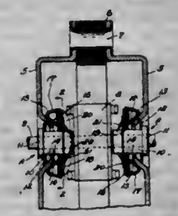
1. An electrical resistor comprising a hollow tubular member of insulating material, a coating of carbon on the internal wall of said tubular member, connecting lead-in elements internally inserted into said tubular member, and a cement consisting of silvered copper powder suspended in a binder for securing said lead-in elements in position and simultaneously sealing the ends of said tubular member.

2,407,353
ANALYTICAL APPARATUS
Anthony G. Jordan, Battle Creek, Mich.
Application November 1, 1946, Serial No. 707,058
1 Claim. (Cl. 219—19)

Analytical apparatus which includes a base having a substantially horizontal top surface and a recess in the top surface, an integral flange rising from the base adjacent one side edge, the face of the flange joining the horizontal top surface being inclined upwardly and rearwardly as it recedes from its junction with the base, an apparatus support projecting outwardly from the inclined face of the flange in spaced relation to the top surface of the base, said support having an angularly disposed groove in its outer surface to receive chemical apparatus seated in the recess and hold it at an angle to the top surface of the base, said flange having a downwardly and forwardly inclined opening therein immediately below the bottom surface of the apparatus support, a heating device removably supported in said opening, said heating device having an arcuate recess therein partially to embrace a piece of chemical apparatus seated in the recess in the base and an electrically energized heating unit in said recess.

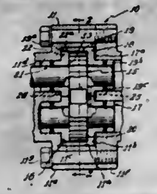


2,470,354
SELF-ALIGNING BEARING CONSTRUCTION
Theodore Y. Korsgren, Reynoldsburg, Ohio, assignor to Crise Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application November 28, 1947, Serial No. 788,593
7 Claims. (Cl. 308—72)



1. Self-aligning bearing construction comprising a sleeve formed for the reception of a rotatable shaft, a supporting frame having a laterally offset arcuate protrusion provided with an opening in which said sleeve is loosely positioned, means carried by said sleeve having edge contact with the wall surfaces of said protrusion on one side thereof, a washer loosely positioned on said sleeve in contact with the wall surfaces of said protrusion on the opposite side of the latter with respect to that contacted by the sleeve-carried means, a dust and dirt excluding disk of compressible composition and formed with an axial opening, said disk being positioned on said sleeve in contact with said washer, and fastening means engaged with said disk and sleeve to maintain the latter against longitudinal displacement with respect to said frame but admitting of limited rocking movement of the sleeve in the opening of said frame protrusion.

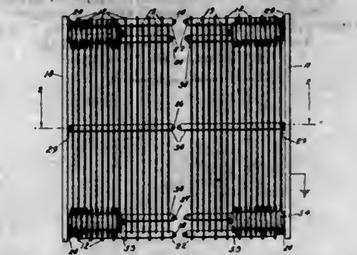
2,470,355
PRESSURE LOADED GEAR PUMP
John A. Lauck, Shaker Heights, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 23, 1945, Serial No. 630,471
7 Claims. (Cl. 103—126)



1. In a liquid pump comprising: means defining a main outside body housing composed of a first material and having a chamber therein, an inlet leading into and an outlet leading from said chamber; means including a rotary liquid displacement member in said chamber effective to draw liquid in said inlet and force the same out of said outlet; means defining a completely enclosing wear-resistant readily replaceable liner assembly received in said chamber in enclosing relation about said rotatable liquid displacement member, including a first bonnet-like bearing and pumping seal unit, said first unit comprising a radially extending annular plate having a first back face normally spaced from the adjacent end wall of said chamber forming therewith a motive pressure chamber for the reception of liquid under pressure for actuating said annular plate axially toward said rotary liquid displacement member, said first unit further comprising an axially extending tubular liner portion embracing the outer radial periphery of said rotary member, said tubular liner merging with the radial outer portion of said first annular plate and terminating at the opposite axial extremity thereof in spaced relation to the adjacent end wall of said chamber to provide for limited axial adjustment of said first unit, said radial annular plate also having a first front face engageable in bearing and pumping seal relation with said rotary liquid displacement member, a second bearing and pumping seal unit comprising a second radially extending annular plate having a second back face in engagement with the adjacent wall of said chamber and a second inner face engageable in bearing and pumping seal relation with said rotary fluid displacement member; and means placing said motive chamber in communication with liquid pressure generated by said liquid displacement means for maintaining said first inner face of said first radial annular plate in bearing and pumping seal relation with said rotary displacement member and said rotary displacement member in turn in bearing and pumping seal relation with said second inner face of said second radial annular plate.

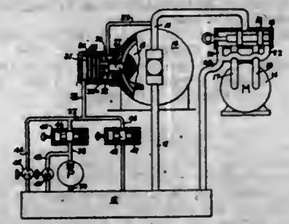
2,470,356
ELECTRICAL PRECIPITATOR
Kenneth W. MacKenzie, Newton Highlands, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 20, 1946, Serial No. 678,146
6 Claims. (Cl. 183—7)

1. A precipitating device for electrical precipitators, comprising a pair of side walls forming the end walls of said precipitating device, a plurality of dust precipitating plates positioned parallel to said side walls and to each other, a plurality of tie rods extending from one of said side walls to the other and rigidly secured and electrically connected thereto, alternate of said plates providing ground plates and being supported by said tie rods, spacing bushings on said tie rods, one on each of said tie rods between any pair of successive alternate plates, a second set of tie rods extending through cut-away portions



and openings in said alternate plates and free from said side walls, the dust precipitating plates intervening said alternate plates and providing charge plates being mounted on said second set of tie rods, spacing bushings on said second set of tie rods one on each of said tie rods between any pair of successive charge plates, and insulators secured to said side walls and two of said charge plates for supporting all of said charge plates from said side walls in spaced relation to said alternate plates.

2,470,357
CONTROL SYSTEM FOR HYDRAULIC PUMPS SUPPLYING HYDRAULIC FLUID TO DOUBLE-ACTING RAMS OF HYDRAULIC PRESSES
Howard F. MacMillin, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application July 10, 1944, Serial No. 544,221
20 Claims. (Cl. 60—52)



4. In a control mechanism for a hydraulic system including a fluid source and a motor connected to receive fluid therefrom and a flow-controlling member movable for reversibly controlling the delivery of fluid to the motor, a chamber, means movable in said chamber partitioning the same into two compartments and connected with said flow-controlling member for movement therewith, means for supplying fluid under pressure to one of said compartments for actuating said movable means to shift said flow-controlling member in one direction, means for entrapping the fluid in the said compartment including pressure relief means, and means connecting the other said compartment with the pressure side of said motor whereby a predetermined pressure therein of the pump will develop sufficient pressure in the first mentioned compartment to actuate said relief means.

2,470,358
FUSEE LIGHTER
Glen D. McKown, Cedar Lake, Ind.
Application July 18, 1947, Serial No. 761,763
2 Claims. (Cl. 102—70)



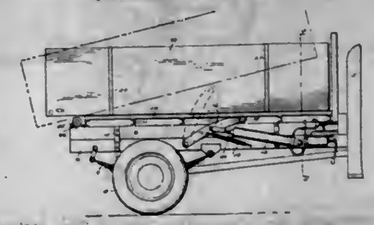
1. In a fusee lighter, in combination with a fusee body having igniting or match head material fixed to one end thereof, a flexible tape having one end bonded longitudinally to the fusee body, a striking element carried by said tape and disposed over the end of the fusee body containing the igniting or match head material and disposed in opposed relationship thereto, a protective member interposed between the striking material and match head material, and a wrapper of a readily tearable material enclosing said end of the fusee body and the portions disposed therebeyond, the opposite end of said tape being longer than the first mentioned, secured end thereof to protrude beyond the open end of said wrapper to form a tab adapted to be manually engaged and pulled in a direction away from the fusee body for tearing the wrapper from the fusee body and for releasing said member interposed between the striking surface and igniting material whereby said tab end of the tape may be swung relatively to the fusee body for scraping the striking element across the igniting material for igniting the latter and the adjacent portion of the fusee body.

2,470,359
HOSE COUPLING
Paul C. McLean, Hollywood, Calif.
Application February 21, 1946, Serial No. 649,271
2 Claims. (Cl. 285—90)



1. A unitary coupling comprising a flexible tube having an outer tubular flange and an inner tubular flange at each end of said tube, all said flanges being coaxial with the tube, whereby two grooves are defined between adjacent flanges for the insertion thereinto of ends of tubular members, said outer flanges having annular internal recesses to allow sealing expansion of adjacent portions of said tubular members when pressure is applied thereon, the outer flanges having reduced external diameters at the outer ends thereof, and the inner flanges having increased internal diameters at the outer ends thereof.

2,470,360
LUMBER LOADING TRUCK
Kirwan Y. Messick, Arlington, Va.
Application May 28, 1946, Serial No. 672,821
6 Claims. (Cl. 214—84)



1. The combination with a lumber truck, comprising members constituting a fixed floor shaped and dimensioned to receive a load of lumber with said lumber resting directly thereon and frictionally engaged therewith, of a roller disposed transversely of the truck across the rear portion thereof, and rearwardly of said floor, said roller being mounted in fixed bearings upon the truck and having its upper portion disposed enough below the floor level of the truck that the lumber will not contact said roller until the forward portion of the load of lumber is elevated, a second roller extending transversely of the truck, at a point forward of the center of gravity of the load of lumber thereon and below the level of said floor and power means for bodily elevating the latter roller while maintaining said roller substantially parallel with the first-named roller.

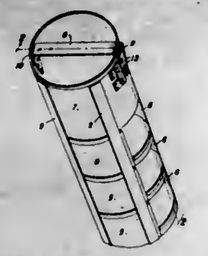
2,470,361
ART OF RECLAIMING PLASTIC SCRAP
Isador Miller, New York, and Arthur L. Beiser, Jackson Heights, N. Y., assignors to Gem Participations, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 27, 1945, Serial No. 601,940
4 Claims. (Cl. 260—486)

1. Process for utilizing polymer scrap derived from monomer containing the vinyl group which consists in decomposing the scrap by pyrolysis at subatmospheric pressures, and progressively increasing temperatures with said scrap immersed in a stable volatile liquid solvent internal heat transfer medium comprising a crude complex of low molecular weight compounds of specific gravity lower than that of the scrap and which is recovered as a residue in the purification of monomers by the fractional distillation of the products of pyrolytic decomposition of such polymer scrap.

2,470,362
CURRENCY CONTAINER
Dwight L. Moody and Henry Renek, Santa Monica, Calif.
Application March 1, 1948, Serial No. 12,448
6 Claims. (Cl. 206—0.80)

1. A multiple compartment valuables container of the character described, comprising a plurality of similar unitary cup-like sections, each having a side opening in the upper front portion thereof through which the currency may be inserted and removed, and a unitary open top cup-like uppermost section provided with a handle, all of said sections being of the same size and shape in horizontal section and being disposed and perma-

nently connected together in superimposed relation so that the bottom of each section except the

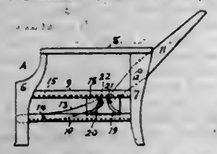


lowermost one closes the top of the section directly beneath the same.

2,470,363
MELAMINE-FORMALDEHYDE CASTING RESIN
Harold W. Mohrman, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 13, 1945, Serial No. 572,751
7 Claims. (Cl. 260—67.6)

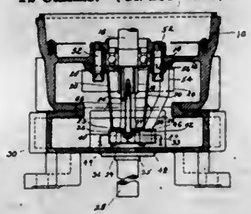
1. A process for producing a melamine-formaldehyde casting resin which comprises heating a mixture of 1 molecular proportion of melamine and an aqueous solution of 2.5–4.5 molecular proportions of formaldehyde at a pH of 6.7 to 7.3 to form a polymethylol melamine, partially condensing the polymethylol melamine by continued heating until the product has a viscosity of 60–200 centipoises at 25° C. and at the concentration resulting from the use of aqueous formaldehyde solution having a formaldehyde concentration of 37%, raising the pH of the reaction mixture to 7.7 to 8.3 and dehydrating the reaction mixture by vacuum distillation.

2,470,364
RECLINING CHAIR
Homer Niederhauser, Berne, Ind.
Application June 4, 1947, Serial No. 752,332
7 Claims. (Cl. 155—116)



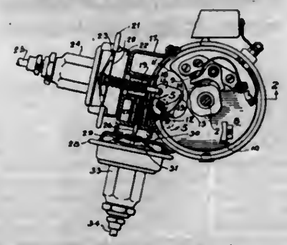
1. A reclining chair consisting of a frame having forelegs, rear legs, arm-rests, and parallel side rails spaced apart connecting said fore and rear legs, the upper side rails having longitudinal kerfs in their under portions, said lower side rails having rabbets in their upper portions, slides having longitudinal movement in said rabbets, retaining plates secured to the lower side rails confining said slides in said rabbets, a movable plate secured on each slide, the upper edge thereof extending into and having movement in the kerf of the corresponding upper side rail, each movable plate having arcuate downwardly divergent slots, a seat-frame pivotally supported in the chair-frame provided at its rear end with a cross-rod, the ends of which extend through and have guided movement in the foremost slots in said movable plates, and a back-rest pivotally supported in the chair-frame provided at its lower end with another cross-rod, the ends of which extend through and have guided movement in the rearmost slots in said movable plates, so that tilting of the seat and back-rest frames is concurrent.

2,470,365
OIL PUMP FOR DYNAMOELECTRIC MACHINES
Clarence O'Daniel, Richmond Heights, Mo., assignor to Century Electric Company, a corporation of Missouri
Application October 31, 1946, Serial No. 707,009
12 Claims. (Cl. 103—103)



12. In a dynamo electric machine, a rotatable shaft, a rotary impeller secured to and rotatable with said shaft, a chamber surrounding said impeller, and an oil duct that has one end thereof communicating with said chamber and has the other end thereof projecting upwardly from said chamber, said impeller having an upper wall that cooperates with said shaft to prevent passage of oil between said wall and said shaft, said impeller having a lower wall of annular form to provide an inlet for oil, and having a radially-extending flange that is offset from said wall by an abrupt bend of annular form, said impeller having a plurality of plane, radially-extending blades positioned between said upper and lower walls, said chamber having a top with an opening that receives and closely fits said shaft, said chamber having a bottom with an opening that is spaced from the outer periphery of said impeller blades and is spaced close to said annular flange.

2,470,366
AUTOMATIC SPARK ADVANCE MECHANISM
William Ostling, Los Angeles, Calif., assignor to California Machinery and Supply Company, Ltd., Los Angeles, Calif., a corporation of Delaware
Application February 17, 1947, Serial No. 728,984
40 Claims. (Cl. 123—117)



1. An automatic spark advance mechanism which comprises a breaker cam, a cam shaft, a

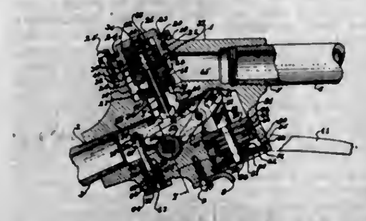
circuit breaker in operative association with said breaker cam, a rotatable mounting for said circuit breaker, means for rotating said breaker mounting about the axis of said breaker cam comprising a fluid pressure power means, a cam actuated driving connection between said fluid pressure power means and said mounting, pneumatically operated power means, and a cam actuated linkage connection between said pneumatic power means and said mounting.

2,470,367
HANDBAG PURSE
Harold G. Palma, New York, N. Y.
Application January 24, 1947, Serial No. 724,193
3 Claims. (Cl. 150—37)



1. A handbag comprising a cylindrical side wall formation having diametrically opposed openings therein, closure means for said openings, flanged circular top and bottom members secured about their peripheries to and in spaced relationship within said side wall formation, a circular dividing member disposed diagonally between said top and bottom members and having opposed peripheral sectors thereof secured at the junctures of said side wall formation with the top and bottom members respectively forming two full diameter compartments within said structure.

2,470,368
VALVE MECHANISM
Donald D. Paxton, Burbank, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application June 15, 1946, Serial No. 677,007
6 Claims. (Cl. 137—144)



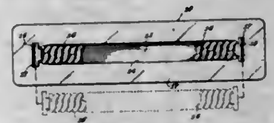
1. In a valve for controlling the flow of liquefied gases, a valve body having an inlet port adapted to be connected with a source of supply, an outlet port provided with a device affording a means of connection with a receptacle to be supplied, and manually operable valve means in said valve body comprising a pressure relieving port, a normally open valve operable to close said port, a normally closed pilot valve between said inlet and outlet ports, a main valve between said inlet and outlet ports, a valve operating device including a single manually operable lever and a member pivotally mounted on said lever; said manually operated device being constructed and arranged upon the movement of said lever in one direction, to release said normally open valve and then to open said pilot valve, and pressure responsive means effective upon the presence of pressure in said valve body between said pilot valve and said outlet port to cooperate with said manually operated device to open said main valve.

2,470,369
FURRING CLIP
Sidney J. Radeke, Ann Arbor, Mich.
Application February 18, 1946, Serial No. 648,264
10 Claims. (Cl. 72—118)



1. A clip for holding a wall board spaced from a supporting wall comprising a sheet metal blank laterally and parallelly slitted upon opposite sides of a central portion thereof to form a plurality of pairs of tongues, certain of said tongues being offset from but parallel to the original plane to embrace between the same and other of said tongues in said plane the wall board, and still other of said tongues being bent to extend perpendicular to the aforesaid tongues and the supporting wall into contact with the latter.

2,470,370
WATCH BAND DISPLAY PACKAGE
Saul Ritter, New York, N. Y.
Application November 15, 1945, Serial No. 628,937
2 Claims. (Cl. 206—78)



1. In combination an expansible and contractible watch band having end members of greater width than the width of the intermediate portion of the band, a solid container therefore comprised of a plurality of sheets of material consisting of a base board and an apertured sheet, the aperture in said sheet having the same general configuration as said band and having transverse notches to receive said end members, the distance between said notches being greater than the distance between said end members when said band is in normal contracted condition, said end members engaging the sides of said notches to retain the band in position in the container when the band is expanded and disposed in said recess under the contraction action of said band.

2,470,371
AUTOMATICALLY OPERABLE FIRE EXTINGUISHER
William L. Roessner, Cherry Hills Village, Colo., assignor to Norman A. Grassfield, Cherry Hills Village, Colo.
Application February 24, 1948, Serial No. 10,206
5 Claims. (Cl. 169—26)

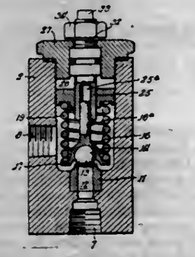
1. An automatically operable fire extinguisher comprising a shatterable chemical containing grenade, a grenade holder including a slotted handle portion, grenade breaking means comprising a striker, striker actuating means pivotally mounted in the handle, a fusible link re-

leasably connected to the actuating means, and link restraining means mounted in the handle and releasably connected to the link, said grenade breaking means being housed within the handle when in restrained position and said striker



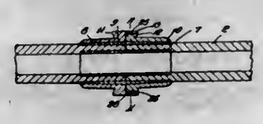
being moved by the actuating means in an arcuate path extending outwardly of the handle into grenade crashing position when the actuating mechanism becomes operable by release of the fusible link.

2,470,372
BALL TYPE PRESSURE RELIEF VALVE
Jay M. Roth, Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 17, 1944, Serial No. 545,254
1 Claim. (Cl. 137—53)



A pressure relief valve comprising a hollow housing defining a central chamber with a threaded open end and an outlet port; an inlet port in said chamber opposite said threaded end; a valve seat at the inner end of said inlet port; a valve ball normally engaged on said seat; a retainer having a stem and a frusto-spherical hollow boss surrounding the major portion of said ball and extending below the center thereof with its lower portion in-turned against said ball to anchor said ball to said retainer; an annular rim at said lower portion of said retainer; a follower adjustably mounted in the threaded portion of said chamber; a spring interposed between said follower and rim for yieldably urging said retainer in a direction to seat said ball; an apertured closure in the open end of said chamber; and follower adjusting means in said closure aperture, having a bore in which said retainer stem is guided whereby the tension of said spring is adjustable independently of and without disturbing said valve ball and retainer.

2,470,373
JOINTING OF FLEXIBLE PIPES
John Lawrence Sayers, Watford, England, assignor to Arnold Greening, Sparrows Herne, Bushey, England
Application June 12, 1945, Serial No. 598,976
In Great Britain July 13, 1944
7 Claims. (Cl. 285—193)



1. A coupling for connecting together the ends of flexible pipes, wherein a split sleeve is provided with external tapered ends, whilst a pair of sockets have tapered bores, these sockets being adapted to be drawn together over the tapered ends of the sleeve, and a circumferential outwardly projecting shoulder carried by each socket adjacent the inner ends of same, said shoulders being adapted to be engaged by a clamping tool.

2,470,374
PROCESS FOR THE PRODUCTION OF FOOD PREPARATIONS FROM POTATOES AND SIMILAR FARINACEOUS TUBERS
Martin Carl Schaul, London, England
No Drawing. Application August 17, 1946, Serial No. 691,398. In Great Britain February 22, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 22, 1963
3 Claims. (Cl. 99—207)

1. A process for the production of food preparations from potatoes which comprises first peeling said potatoes, then subjecting said peeled potatoes to a cooking treatment adapted to gelatinise part of the starch and to burst some of the starch cells without however completely cooking said potatoes, thereupon mashing the thus treated material, extruding the mashed product under atmospheric pressure and at atmospheric temperature into a form adapted for rapid and uniform drying, thereupon subjecting the product to a baking treatment as a temperature upwards of about 200° C. for a period up to 10 minutes, and finally drying the product to a low moisture content.

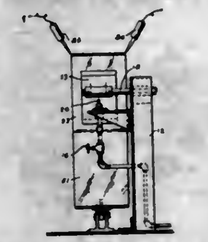
2,470,375
VENTILATOR
Alter L. Schwartzberg, Shreveport, La.
Application February 13, 1946, Serial No. 647,333
3 Claims. (Cl. 98—116)

1. In combination with a structure having an opening, a ventilator adapted to be supported in said opening including a casing having an inner and outer side wall, a closed top, bottom and end walls, said side walls having vertically spaced elongated horizontal openings, each of said openings being provided with an upwardly and inwardly directed vane, vertical guide channels at the ends of said casing on the room side thereof, a closure plate having vertically spaced elongated horizontal apertures formed therethrough slidably supported in said guide channels for controlling the flow of air through said louvers, said closure plate being formed with vertically aligned elongated guide slots, headed supporting members secured to the adjacent inside wall of said casing and extending through said slots, and an



inwardly extending closure plate operating tab on the bottom of said closure plate.

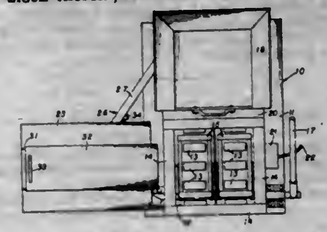
2,470,376
METHOD OF WELDING GLASS
Morton R. Shaw, Jr., Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application March 6, 1945, Serial No. 581,225
9 Claims. (Cl. 49—82)



1. The method which includes so arranging two similar pieces of glass that the parts to be joined are substantially only in line contact, arranging a third piece of glass in line contact with portions of the two pieces nearby their areas of line contact with one another, applying a series of closely spaced conductive coatings along a surface of the third piece of glass out of contact with the other pieces, including said third piece of glass and the series of coatings in parallel paths between a pair of electrodes, and applying heating potential to the electrodes as required to burn off the conductive coatings so as to heat the third piece of glass to conductivity and continuing application of the potential to melt and weld said third piece to said first two pieces by the Joule effect.

2,470,377
VIBRATING BLOCK MOLDING MACHINE
Albert C. Shepeck, Menominee, Mich.
Application June 10, 1947, Serial No. 753,622
2 Claims. (Cl. 25—41)

1. The combination with a block forming machine of the vibratory type having a mold box with an upper open end, a removable pallet within the mold box upon which the aggregate from which the block is formed and the completed block rests and means to lift the finished block and pallet clear of the upper end of the mold box, of a header plate pivotally supported on the machine adjacent the mold box to swing about a vertical axis into a position to close the upper open end of the mold box during the formation of a block therein, said header plate being also

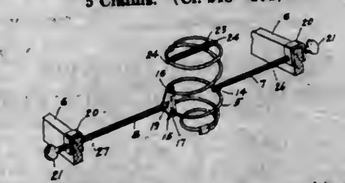


adapted to swing from its position over the mold box to a position adjacent one side thereof and means on the upper side of the header plate adapted to be projected over the open upper end of the mold box to support the pallet and a finished block.

2,470,378
PRODUCTION OF CHROMIUM AMMONIUM CHLORIDE COMPLEXES
Ljubomir W. Skala, Chicago, Ill., assignor of sixty per cent to M. M. Warner and ten per cent to Henry Blech, Chicago, Ill.
No Drawing. Application June 7, 1944, Serial No. 539,182
6 Claims. (Cl. 23—87)

1. The method of producing a complex chromium ammonium chloride combination suitable for electrolytic deposition of chromium metal, including the steps of converting potassium bichromate in the presence of hydrochloric acid by specific reduction agents comprising predetermined quantities of zincs of the solid and mossy or porous type to a bivalent chromium chloride compound, converting further said bivalent chromium chloride compound into a bivalent chromium acetate compound, separating said acetate compound by washing and filtration from the solution and oxidising said bivalent compound to a trivalent complex chromium in reaction with ammonia, ammonium chloride and water and separating the ammonium chloride crystals from the resulting product by repeated washings.

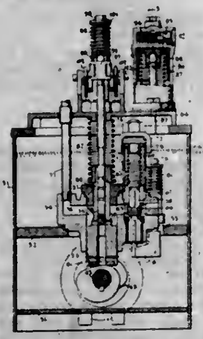
2,470,379
BABY'S BOTTLE HOLDER
Jay S. Swaim, Los Angeles, Calif.
Application August 27, 1945, Serial No. 612,769
5 Claims. (Cl. 248—104)



1. In a nursing-bottle support, in combination, a bottle holder and a pair of elongated extensible spring sections, each of said spring sections having one end attached to said bottle holder and its opposite end attachable to the side rail of a baby crib thereby to support a bottle above the bed portion of the crib, said bottle holder comprising

a wire coil of sufficiently large diameter to contain the bottle, one of said spring sections being attached to one side of said coil and the other of said spring sections being attached to the diametrically opposite side of said coil, and a plate having through it a pair of apertures, said apertures each having a side run of said coil passing through it, one of said elongated spring sections being attached to said plate.

2,470,380
VARIABLE-CAPACITY CONTROLLER FOR COMPRESSORS
Wolfgang Turnwald, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 20, 1945, Serial No. 589,357
8 Claims. (Cl. 230—25)



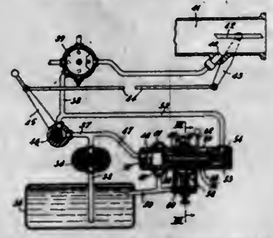
1. The combination of a compressor having inlet and discharge valves; at least one hydraulic motor operable to control the operation of an inlet valve; a hydraulic cylinder; a piston reciprocable in said cylinder and defining an impulse space therein; a connection between said impulse space and said hydraulic motor; a valve guided in said piston, shiftable in the direction of motion of the piston and serving by coaction with the piston to control a free vent from the impulse space, said valve being indifferent to pressure developed in the impulse space; means responsive to pressure developed by operation of the compressor and serving to adjust the position of said valve; an inlet valve for the impulse space; a loaded relief valve for releasing excess pressure developed in the impulse space; and means for reciprocating said piston in timed relation to cycles of the compressor.

2,470,381
UMBRELLA RIB TIP PROTECTOR
Peter Valentino, Brooklyn, N. Y.
Application December 19, 1945, Serial No. 635,901
5 Claims. (Cl. 135—36)



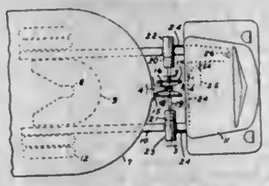
1. In an umbrella having ribs provided with enlarged tips, protective members adapted to be snapped on or off the enlarged tips, each of said members comprising a substantially spherical ball having a flattened surface, said ball comprising two complementary sections, one of said sections having said flattened surface thereon, said sections having means for releasably interlocking the same, said sections having complementary cut-outs forming a single compartment within the ball, said one of said sections having a reduced central opening therethrough into said cut-out thereof of a diameter slightly larger than the diameter of said rib tip, a resilient disc clamped between said sections between said cut-outs, said disc having a central opening therethrough of smaller diameter than the diameter of said rib tip, said disc having a plurality of radical slots extending from said central opening thereof toward the peripheral edge thereof thereby providing a plurality of yieldable tongues adapted to yield to the passage of said rib tip through said central opening of said disc in either direction and to snap back to their normal position coplanar with said disc after passage of said rib tip therethrough.

2,470,382
REGULATING AND FEED APPARATUS FOR INTERNAL-COMBUSTION ENGINES
Pierre Georges Vanni, Neuchatel, Switzerland
Application April 13, 1945, Serial No. 588,101
In Switzerland January 10, 1945
3 Claims. (Cl. 123—119)



1. A regulating and fuel feeding apparatus for internal combustion engines comprising a pump driven by the engine and producing a flow of fuel through a conduit at a speed proportional to the rotary speed of the engine, an adjustable throttle member in said conduit for producing a pressure drop in said conduit, the degree of which varies inversely with the degree of opening of said throttle, a cylinder, a piston slidably mounted in said cylinder intermediate the ends thereof dividing said cylinder into two opposed chambers with the ends of the piston forming movable walls of the two opposed chambers, pipes connecting one chamber with said conduit anteriorly of said throttle and the other chamber with said conduit posteriorly of said throttle, whereby the pressures in said conduit on opposite sides of the throttle will act upon said movable walls to balance the resultant thrust on said walls produced by the pressures in said conduit to cause the walls to assume a position of equilibrium, a reservoir for supplying fuel to said conduit, said cylinder having at least one first port communicating with said reservoir, said piston cooperating with said port for returning to the reservoir excess fuel in the conduit on the posterior side of the throttle in said conduit, to regulate the fuel feed to the motor according to the position of the adjustable throttle, said cylinder having at least one additional port communicating with said reservoir, said piston cooperating with said additional port, for returning to the reservoir, fuel in the conduit on the anterior side of the throttle, said additional port being open at the end of the displacement of said piston in the cylinder, by complete opening of the first port.

2,470,383
DEVICE FOR STABILIZING TRAILERS
Clifford M. Wakeman, Flint, Mich.
Application December 28, 1945, Serial No. 637,644
7 Claims. (Cl. 280—33.05)



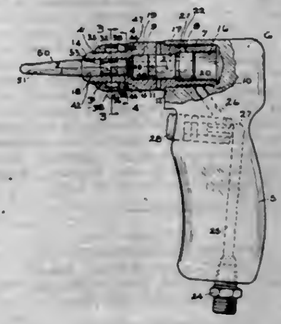
1. In a device of the character described, including a trailer and a tractor, the combination of a bracket secured to the front end of the trailer, hydraulic cylinders on said tractor oppositely disposed with respect to said bracket, pistons in said cylinders, a shaft connecting said pistons, and means on said shaft for contacting opposite sides of said bracket.

2,470,384
DOLL OR TOY FIGURE WITH ENCASED RADIO APPARATUS
Walter J. Waldron, Pomona, Calif.
Application November 29, 1948, Serial No. 62,584
4 Claims. (Cl. 250—14)



3. As an article of manufacture a radio apparatus encased within the figure of a doll, with articulated arms, comprising a vertical cylindrical casing having an elongated cross section, a horizontal deck plate, dividing the case into an upper and a lower compartment, a tuning condenser for the radio apparatus carried by said horizontal deck plate, an output transformer carried by said plate, a loudspeaker carried by said plate, arranged with its mouth piece turned upwardly and located near the upper end of the cylindrical case, a vertical deck plate, subdividing the lower compartments, tube sockets and tube held thereby carried by said vertical deck plate, intermediate transformers carried by said deck plate, aligned coaxial control shafts in the upper part of the upper compartment arranged at opposite sides of said loudspeaker and at diametrically opposite points of the cylindrical casing, said shafts projecting outwardly in opposite directions, means for transmitting a rotary motion from one of said shafts to said tuning condenser, said means including pulleys and a belt, a volume control arranged coaxially with the control shafts and carried by the case, said volume control being seated coaxially with the second shaft for direct operation by the same, means to fix the articulated arms of the doll figure to said shafts to serve as handles for the adjustment of the tuning condenser and of the volume control, a hollow doll head provided with openings, arranged directly above the upwardly turned mouth piece of the loudspeaker, to act as a sound conductor channel.

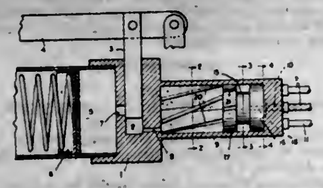
2,470,385
AIR HAMMER WITH BALL-TYPE TOOL RETAINING CHUCK
Russell J. Wenger, North Hollywood, Calif., assignor, by mesne assignments, to J. W. Merrick, Los Angeles, Calif.
Application March 8, 1946, Serial No. 653,075
9 Claims. (Cl. 125—33)



8. A power operated impact device, comprising: a body member having walls defining a cylinder; a hammer member adapted to reciprocate in said cylinder; power means for reciprocating said hammer member; an extension formed integral with said body member and having an annular wall defining a bore axially aligned with said cylinder and adapted to receive an end of a fabricating tool having a peripheral groove adjacent said end, said extension being provided with spaced holes extending radially through its annular wall; balls slidable in said holes, the diameter of said balls being greater than the thickness of said annular wall; an annular operating member rotatably mounted on said extension and provided with spaced recesses in its inner surface, said recesses having cam faces at their ends; retaining means for retaining said operating member in place on said extension with said grooves in longitudinal alignment with said balls, said operating member being adapted to be rotated to a position to cause said cam faces to project said balls radially inward into engagement with said peripheral groove of said fabricating tool when said tool is inserted in said bore to lock said tool in place in said device while permitting reciprocation of said tool under the ham-

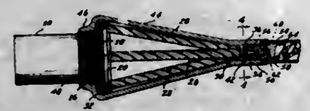
mering action of said hammer member and said operating member being adapted to be rotated to another position to radially align its recesses with said balls to permit said balls to move radially outward to release said tool to permit withdrawal of said tool from said device; and detent means for releasably holding said operating member in either of said positions.

2,470,386
LUBRICATING DEVICE
Hermann R. Abbrecht, Shaker Heights, Ohio
Application July 31, 1945, Serial No. 607,987
6 Claims. (Cl. 184—35)



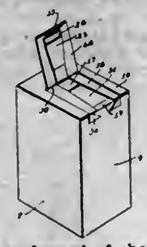
1. In a device of the character described, the combination of a cylindrical chamber, a vaned rotor fitted within said chamber, a head closing one end of said rotor save for restricted outlet openings for the spaces between the vanes of said rotor, a second head on said rotor, spaced from such first head and having a single discharge opening, the adjacent end of said cylinder having a plurality of outlet openings adapted successively to register with the opening in said second head as said rotor turns, and means adapted to supply a mobile liquid under pressure to said chamber at the opposite end thereof, whereby said rotor is caused to turn on its axis.

2,470,387
PENCIL SHARPENER
Lee Roy Baggett, Benton, Ark.
Application November 22, 1946, Serial No. 711,748
2 Claims. (Cl. 120—96)



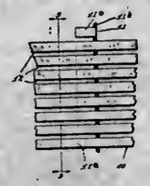
1. A pencil sharpener comprising a ferrule for the reception of a pencil shank in line with the normal central axis of the ferrule, an outer casing threaded onto said ferrule and defining a pencil cutting chamber, a right hand end hollow tubular housing secured to the right hand end of the outer casing, the forward end of said ferrule extending into said pencil cutting chamber and having gear teeth formed thereon, a left hand end bearing washer in said casing, a right hand end bearing washer in said casing, a plurality of mutually inclined cutting rollers journaled at their ends in said washers and having gear teeth at one end for engagement with the teeth on said ferrule, and means extending through said right hand end housing for spinning said rollers about the central axis of said ferrule whereby the rollers are spun about their individual axes to sharpen a pencil therebetween.

2,470,388
DISPENSING CONTAINER HAVING CLOSURE LOCKING MEANS
Charles O. Ball, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application January 25, 1945, Serial No. 574,515
3 Claims. (Cl. 229—17)



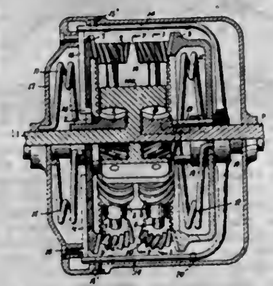
2. A container formed of sheet material and comprising a rectangular tubular body and top end flaps folded inwardly and forming a three-ply top for the container including an upper ply, an intermediate ply and a lower ply, said lower ply comprising a door section defined by weakened lines extending along the sides thereof and removable to provide a pour-out opening, said intermediate ply comprising a door section overlying said removable section and defined by weakened lines along its side edges, said upper ply having a door section having side edges defined by weakened lines, said door sections being adhered to each other and adapted to be severed along said weakened lines and form a door hinged to be swung to position to close said opening, said door section of the lower ply having its side edges protruding beyond the side edges of the overlying door section of the intermediate ply a slight distance such that as the said door is closed, said protruding edges pass between and engage beneath the adjoining edges of the intermediate ply and thereby releasably hold the door in closed position, the material forming the door being sufficiently compressible and resilient to permit said closing and releasable holding of the door.

2,470,389
METHOD OF MAKING GRILLES FOR RADIO SETS
Charles A. Bauer, Newburg, Ind., and William A. Barnes, Utica, N. Y., assignors to Hoosier Cardinal Corporation, Evansville, Ind., a corporation of Indiana
Application April 1, 1946, Serial No. 658,612
2 Claims. (Cl. 29—160)



1. The process of making a grille, comprising disposing on one face of a sheet-metal plate one or more metal reinforcing members each comprising a longitudinal flange and a web substantially normally thereto, securing the flanges of the reinforcing members to the plate, and then sawing the plate to provide a series of parallel slots transverse to the reinforcing members and extending through said plate and said flanges.

2,470,390
AUTOMATIC VARIABLE-SPEED TRANSMISSION DEVICE
Edward J. Consler, Detroit, Mich.
Application November 28, 1945, Serial No. 630,878
3 Claims. (Cl. 74—751)



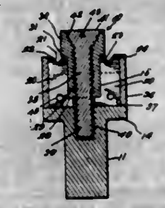
1. In a transmission of the type described, a driving shaft, a driven shaft, a series of worms tangential to and carried by said driving shaft, a hypoid-type rack carried by said driven shaft, pinions coaxial with and coupled to rotate said worms, said pinions being meshed with said rack, a worm wheel journalled on said driven shaft in mesh with said worms, and a resilient yielding coupling between said worm gear and said driven shaft to provide for partial rotation of said worm wheel on the driven shaft in relation to said rack.

2,470,391
TATTING SHUTTLE
Hilbert B. Daniello, Allentown, Pa.
Application April 18, 1947, Serial No. 742,390
1 Claim. (Cl. 87—58)



A tatting shuttle, comprising two walls of resilient material connected with each other at one end and severed from each other at the other end, the central portions of said walls having a pair of coaxial openings respectively formed therein, a bobbin having a shaft and a pair of disc-shaped sides, respectively spaced inwardly from the ends of the shaft, said central portions of the walls being yieldably bowed outwardly away from each other to receive said bobbin therebetween with the ends of said shaft journalled in said openings in the walls and with the peripheral edges of said disc-shaped sides of the bobbin in yieldable frictional contact with the bowed surfaces of the walls, said walls normally being in abutting engagement with each other at said severed end thereof whereby a spacer element may be inserted therebetween to decrease the friction between the bobbin and the walls, and the walls being bevelled at said severed ends thereof to facilitate the insertion of said spacer element.

2,470,392
TUBE CHAMFERING TOOL
Raymond M. Gassmann, Wilmette, Ill., assignor of one-fourth to Bernard M. Kollath, Roy Maier, and Albert P. Stein, Chicago, Ill.
Application October 25, 1945, Serial No. 624,449
3 Claims. (Cl. 77—73)



1. A chamfering tool comprising a shank portion, an enlarged annular table and a radially slotted boss of a diameter less than said table, a center bore extending through said boss, a plurality of similar generally rectangular blades V-notched at the outer ends thereof and having inwardly disposed toes on the inner ends thereof which latter ends seat on said table, a combined pilot post and thimble insertable in said bore and dimensionally and positionally adapted to guide work onto the tool and to space said blades apart and to engage said toes, and a ring adapted to seat upon said table and to frictionally engage outer edges of said blades to hold said blades against said thimble, said toes preventing accidental insertion of the blades in reversed position.

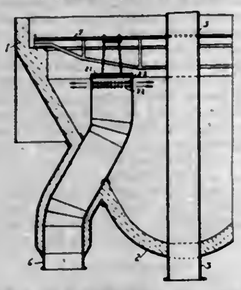
2,470,393
UREA FORMALDEHYDE TYPE OF MOLDING COMPOUNDS AND METHOD OF PRODUCING SAME
Eustace Glycofrides, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
No Drawing. Application September 2, 1944, Serial No. 552,578
2 Claims. (Cl. 260—17.3)

1. The method of producing a molding compound which comprises reacting together at a temperature not to exceed 80° C. for substantially one hour a wet mixture comprising the following ingredients in substantially the following proportions, namely, urea, 190 grams, a 40 per cent by volume solution of commercial formaldehyde, 380 grams, 10 cc. of 10 per cent sodium hydroxide, lignocellulose, 730 grams, coloring matter, 20 grams, zinc stearate, 20 grams; oven drying the reacting mixture at about 80° C. until the moisture content is reduced to about 5 per cent, milling the resultant product in rolls for from about 2 to 10 minutes with the rolls at a temperature of about 120° C. to 150° C., and grinding the rolled material to particle size.

2,470,394
FURFURYL ALCOHOL COMPOUNDS
Eustace Glycofrides, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
No Drawing. Application February 13, 1946, Serial No. 647,434
6 Claims. (Cl. 260—17.4)

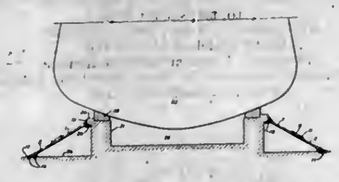
6. The method which comprises reacting 100 furfuryl alcohol with one part by weight of a catalyst consisting of a metallic halide of an acid nature, other than ferrous chloride and stannous chloride, at a temperature within a range of 60° C. to 100° C., and thereby producing a thermoplastic resin, and thereafter combining the said resin and an organic acid, the amount of acid being 1 percent to 10 percent of that of the furfuryl alcohol, and furthering the reaction at a temperature above room temperature and not above 116° C. and thereby producing a thermosetting compound, said organic acid being an acid of the group consisting of benzoic acid, formic acid, lactic acid, tartaric acid, phthalic acid, tannic acid, maleic acid, fumaric acid, and oxalic acid.

2,470,395
APPARATUS FOR CARRYING OUT CATALYTIC REACTIONS
Edwin J. Gohr and Charles W. Tyson, Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 22, 1942, Serial No. 462,914
1 Claim. (Cl. 23—288)



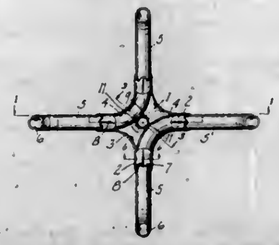
An apparatus adapted for contacting gases and finely divided solids comprising an outer vertically elongated shell forming an enclosed vessel, a conduit leading from the upper portion of said shell for removing gaseous materials therefrom, a horizontal perforated grid positioned in the lower portion of said shell, a conduit communicating with said shell below said grid for introducing a stream of gases and finely divided solids into said shell, a vertical conduit projecting through the bottom portion of said shell and extending upwardly in said shell above said grid for removing a stream of finely divided solids from said shell, a plurality of return conduits communicating with the bottom portion of said last-named vertical conduit projecting into the bottom portion of said shell below said grid, heat exchangers positioned in each of said last-named conduits whereby finely divided solids withdrawn from above said grid may be passed through said heat exchangers and returned to said shell below said grid, said return conduits being in open communication with each other, and said return conduits having a plurality of restricted orifices through which said solids discharge into said shell.

2,470,396
SPUR SHORE
Joseph D. Guerette, Brunswick, Maine
Application November 14, 1944, Serial No. 563,431
1 Claim. (Cl. 248—354)



A device of the class described for forming a brace between the floor of a ship way and an upper edge of a ground way comprising a pair of pipe sections having telescoping inner ends whereby the device is adapted to be extended and contracted, a right angled pressure plate on the outer end of one section adapted to fit against said edge, an anchor plate on the outer end of the other section adapted to bite into said floor, said angle plates being swingable about axes transverse to that of the pipe sections for compensating movement to fit against said edge and floor, and means to extend said sections to tighten said plates comprising a cam swingable in one section for camming engagement with the inner end of the other section, said cam being constructed and arranged to be swung inwardly of said one section under thrust of the other section against the said cam and into an overthrow past dead center position against said one section whereby said cam is prevented from swinging out of camming engagement with the inner end of the said other section.

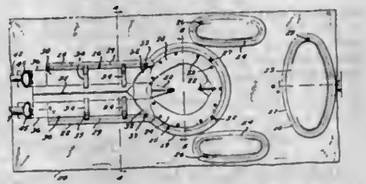
2,470,397
SWIVEL CHAIR BASE
Evan S. Harter, Sturgis, Mich., assignor to Harter Corporation, Sturgis, Mich., a corporation of Michigan
Application March 19, 1948, Serial No. 15,771
12 Claims. (Cl. 248—194)



1. A chair base or pedestal comprising a cruciform center member of generally concavo-convex shape facing downwardly and having inwardly curved side walls between the arms thereof, a pair of oppositely disposed tubular U-shaped leg members each constituting a pair of legs, the outer ends of the legs being turned downwardly, said leg members being disposed with their bights within the side walls of the center member and with their legs within the arms thereof, the arms of the center member being clamped around the

legs with the edges of the arms on the under sides thereof and welded together and to the under sides of the legs, a tubular spindle socket member disposed centrally through the top of the center member and between the bights of the leg members in supported engagement therewith and welded thereto, the socket member being also welded to the top of the center member, the upper end of the socket member being flanged outwardly to provide a spindle bearing element, and caster wheel sockets having bead-like flanges at their lower ends inserted in the downturned ends of said leg member with their said bead-like flanges abutting the ends of the legs.

2,470,398
THERAPEUTIC MATTRESS
Frederick Hayes, Los Angeles, Calif.
Application August 1, 1947, Serial No. 765,349
5 Claims. (Cl. 5—91)



1. A therapeutic mattress comprising a mattress base having a shape corresponding to that of a conventional box mattress, a plurality of flush-type fastening elements secured to the covering over one face of said base and arranged in predetermined patterns, a plurality of inflatable pads having respective marginal flanges, and a plurality of fastening elements secured in each of said flanges and engageable with fastening elements secured in the cover of said base to detachably secure said pads to said base in predetermined positions thereon, a pair of hollow-supports secured in said mattress base near one end of the latter and a pair of foot rests secured respectively to said supports, depressible to a position in which they are substantially flush with the upper surface of said base, and spring means in said supports resiliently urging said foot rests to a raised, foot-supporting position.

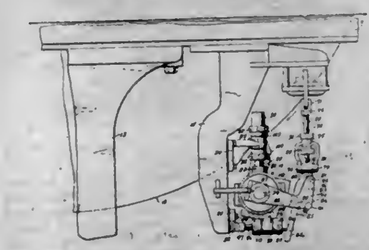
2,470,399
EJECTOR TYPE SOCKET WRENCH
Frank Holben, Middletown, R. I.
Application March 8, 1945, Serial No. 581,584
1 Claim. (Cl. 81—124.1)

In a tool of the class described, an elongated hand-grip, said hand-grip being centrally and axially bored and the bore extending through opposite ends of the hand-grip, said bore embodying graduated portions of varying diameters defining, at one end, a shank accommodating socket, a spring accommodating socket intermediate the hand grip ends, and a restricted plunger rod guide, the latter being at the inner or free end of the hand-grip, an elongated tubular shank having its inner end telescoping and secured in the shank accommodating socket of the hand-grip, said shank being provided at its outer or working end with a socket wrench, a plunger rod extending through the bore of the shank and having a head on its outer end located in said socket wrench, said rod also extending through and beyond remaining portions of the bore in said hand-grip and terminating at its other end in an operating knob, said knob being arranged exteriorly of the adjacent end of the hand-grip, a shoulder on said rod located in the



spring accommodating socket, and a coiled spring confined in said socket surrounding said rod and bearing against said shoulder and also against the adjacent inner end of said shank.

2,470,400
DOCTOR BLADE MOUNTING
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application April 27, 1945, Serial No. 590,709
5 Claims. (Cl. 92—74)

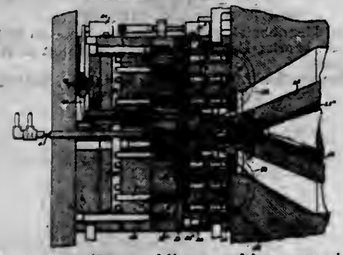


3. A doctor blade mounting comprising a shaft, bearings for the ends of said shaft, a doctor blade assembly fixedly secured to said shaft, a doctor blade forming a part of said assembly, means adjustably supporting said bearings to align said shaft with respect to a roll to be doctored, fluid, pressure actuated mechanisms, hangers of adjustable length depending from said mechanisms, first levers fixedly secured to said shaft to rotate the same, second levers pivotally connected to said first levers, of adjustable effective length straps pivotally connected said second levers to said hangers, and removable means locking said first and second levers to provide a rigid unitary connection between said mechanisms and said shaft to hold said doctor blade in pressure contact with the roll, said second levers being operable upon removal of said locking means to increase the effective lengths of said straps to cause rotation of said shaft and movement of said doctor blade away from said roll.

2,470,401
EXPLORATION BY SOIL ANALYSIS
Leo Hervits, Houston, Tex., assignor to Esso E. Rossire, Houston, Tex.
Application March 23, 1939, Serial No. 263,750
10 Claims. (Cl. 23—230)

1. In the art of exploration for oil, gas and related deposits in which the presence and proximity of such deposits to soil samples is indicated by the existence in the samples of diffused contituents from said deposits which have been modified in the soil into a form insoluble in the native environment of the samples, the method comprising collecting soil samples at spaced points in the area to be explored treating each soil sample successively with hydrochloric acid and an organic solvent for the wax-like material soluble in carbon tetrachloride contained in said soil samples, and measuring the amount of material extracted by the solvent whereby the amounts of said material extracted from the several soil samples may be correlated with soil sample locations to yield data useful in the location of the deposit sought for.

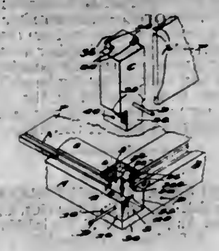
2,470,402
INJECTION MOLDING MACHINE
Conrad Jobst, Toledo, Ohio, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 4, 1945, Serial No. 620,238
8 Claims. (Cl. 18—30)



8. An injection molding machine comprising die plates having a multiplicity of mold cavities, said plates being relatively movable to and from a closed position, an injector comprising a nozzle, a main sprue channel leading from the nozzle, lateral channels distributed at intervals along said main channel and extending from the main channel to the respective mold cavities, wells positioned at intervals along the main channel and opening thereinto at points remote from the nozzle and adjacent to said lateral channels, plungers mounted for reciprocation in said wells toward and from said main channel, power means operatively connected to the plungers for moving the latter toward the main channel, and means operable automatically by a predetermined pressure of molding material in said main channel for causing the operation of said power means and thereby effecting said movement of the plungers and increasing the pressure on the molding material in the said channels and mold cavities.

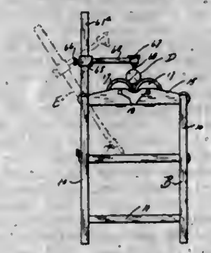
2,470,403
CORNER CONSTRUCTION
Roy Klemparens, Rosslyn, Va.
Application July 25, 1945, Serial No. 606,996
3 Claims. (Cl. 20—92)

1. A corner construction comprising two corner posts, each having end tenons, one of which end tenons is recessed to receive the other in overlapping relation, each corner post having a shoulder at the base of its tenon and perpendicular thereto, the two inner faces of said tenons,



together with the shoulder at the base of each of the two tenons, defining a four-sided socket, and a third corner post, having an end tenon seated in said four-sided socket as defined by the tenons and shoulders of the first two corner posts.

2,470,404
SHAFT TRUENESS TESTER
Arnold Kloos, Sharon, Pa.
Application May 31, 1944, Serial No. 538,124
2 Claims. (Cl. 33—174)

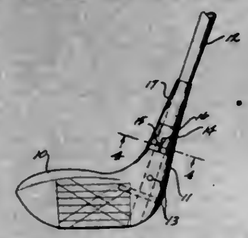


1. In a trueness testing machine for shafts and like objects the combination of a frame, means for horizontally positioning the object to be tested upon said frame, said frame including upper and lower horizontal bars, a gauge, an elongated supporting member pivoted intermediate its ends upon the upper bar and slidable therealong in parallelism with an object supported upon said frame, means on the lower end of the supporting member engaging the lower bar to hold a true linear position of the supporting member as it is moved along said upper bar for testing objects, and means mounting said gauge upon the supporting member above its pivot axis.

2,470,405
CUTTING FLUID
Hollis L. Leland, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 5, 1945, Serial No. 633,053
1 Claim. (Cl. 252—49.8)

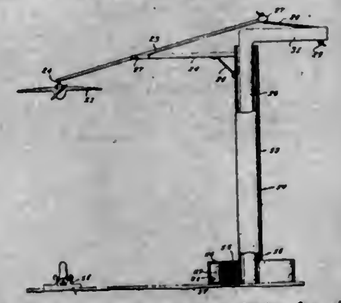
A water emulsifiable cutting oil consisting of approximately 70 parts by weight of mineral base oil, 5 parts by weight of oleic acid ester of partially dehydrated sorbitol, 15 parts by weight of the reaction product of palmitic acid ester of partially dehydrated sorbitol with ethylene oxide and 10 parts by weight of tricresyl phosphate.

2,470,406
IMPACT PRODUCING IMPLEMENT
Frederick W. Matzie, Los Angeles, Calif.
Application May 9, 1945, Serial No. 592,909
2 Claims. (Cl. 273—80)



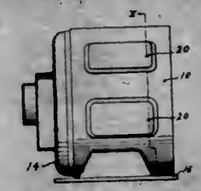
1. A golf club comprising a wooden body formed with a substantially flat striking face; an elongate, tapered hosel formed integral with said body and extending upwardly therefrom; a shaft; said hosel being formed with a bore for receiving an end of said shaft; a sleeve having a wall of constant thickness encircling the upper portion of said hosel, said sleeve having a tapered, smooth, inner wall, the angle of taper of said wall being substantially the same as the angle of taper of said hosel, the inner diameter of each portion of said sleeve being less than the initial diameter of the corresponding portion of the encircled hosel so that the wood of that portion the hosel is held in hoop compression, the lower end of said sleeve being formed with at least one slot longitudinally extending upwardly from the lower edge thereof to a point substantially midway of said sleeve; and a ferrule fixed about said shaft in abutting engagement with said sleeve, said ferrule having an outer diameter at the end contiguous to said sleeve equal to the outer diameter of the latter and an outer diameter at the opposite end slightly in excess of the outer diameter of said shaft.

2,470,407
AIRPLANE TOY
Frank L. Murphy, Dorchester, Mass.
Application November 8, 1946, Serial No. 708,629
3 Claims. (Cl. 272—31)



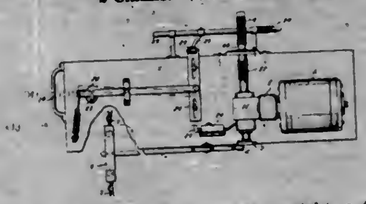
1. A toy airplane operating device for giving to the airplane a circular motion or travel in a circular path comprising a vertically extending sleeve having a laterally extending arm thereon, a pivot arm attached to the outer end of the laterally extending arm for movement therewith, an airplane connected to the outer end of the pivot arm, a central member extending upwardly through the sleeve, a base for retaining the central member in its vertically extended position, and means for connecting the upper end of the central vertically extending member to the inner end of the pivot arm, and means for causing the rotation of the sleeve about the fixed vertical central member, whereby the airplane will be extended through a circular path.

2,470,408
FRAME FOR DYNAMOELECTRIC MACHINES
Joseph Nader, Glen Ellyn, Ill., assignor to Nader Engineering Company, Chicago, Ill., a corporation of Illinois
Application March 12, 1947, Serial No. 734,272
4 Claims. (Cl. 171—252)



1. In a dynamoelectric machine, a magnetic structure, a sheet metal frame member surrounding said magnetic structure, said frame member having a plurality of integrally stamped, outwardly directed indentations spaced around the periphery thereof and outwardly spaced from the periphery of the magnetic member, said indentations extending axially beyond both end faces of the magnetic structure but terminating short of the edges of the frame, thereby defining a plurality of axially extending passages between said frame and the magnetic structure for cooling air flow.

2,470,409
POULTRY IMMERSER
Charles Nassivera, Glens Falls, N. Y.
Application September 27, 1946, Serial No. 699,911
2 Claims. (Cl. 17—11.2)



1. In a poultry immerser, an upright, a tank adapted to contain a scalding liquid arranged on one side of said upright, a table arranged above said tank and mounted for tilting movement about a horizontal axis into and out of horizontal position with respect to said tank, carrying means for suspendingly supporting a fowl mounted for eccentric movement and arranged at an angle with respect to said table and carried by the latter, power means on said table, means operatively connected to said upright and said table

for effecting the tilting movement of the latter, automatic means for initiating the actuation of said power means, timing means operatively connected to said power means for automatically stopping the latter after a predetermined duration, and means operatively connecting said power means to said carrying means for effecting eccentric movement of the latter means, whereby when the table has been moved to a horizontal position the fowl carried by the carrying means is caused to be agitated within the liquid in said tank.

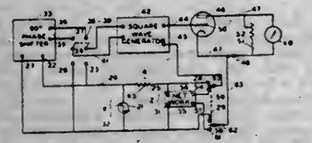
2,470,410
PREPARATION OF SILICA MAGNESIA CATALYSTS
Karl J. Nelson, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 9, 1946, Serial No. 660,841
5 Claims. (Cl. 252—457)

1. Process for the preparation of an improved silica-magnesia catalyst which comprises mulling a water suspension of silica hydrogel and magnesia, for a period of from 15 seconds to 20 minutes to form a slurry, aging the slurry at a temperature from about 125° F. to 200° F. for a period of about 2 to 12 hours, drying the slurry at a temperature in the range from about 225° F. to 600° F.

2,470,411
PROCESS OF PREPARING A SILICA-MAGNESIA GEL CATALYST
Eugene S. Corner, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 21, 1946, Serial No. 692,123
4 Claims. (Cl. 252—457)

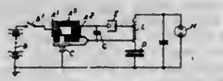
1. A process for preparing a catalyst comprising silica and magnesia, adapted for the conversion of hydrocarbon oils and having improved steam stability, which comprises preparing a hydrous oxide of silica selected from the class consisting of silica hydrogel and gelatinous precipitated silica, intermixing said hydrous oxide with magnesia and water to form a slurry containing not less than about 10% of solids, mulling said slurry for a substantial period sufficient to form an intimate homogeneous mixture of said silica and said magnesia, thereafter aging the mulled slurry at a temperature between about 60° F. and 90° F. for a period of about 8 to 150 hours and thereafter drying and activating the resulting product.

2,470,412
ALTERNATING CURRENT IMPEDANCE METER
Raymond G. Piety, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 7, 1943, Serial No. 513,312
13 Claims. (Cl. 175—183)



1. In an alternating current impedance meter, a source of alternating current, a resistance unit an impedance unit connected in series with said current source and said resistance unit, the impedance values of said units being so proportioned that the voltage drop across one of said units is negligible as compared with the voltage drop across the other of said units, a generator energized by said current source for producing a succession of square waves having a duration of one-half alternating current cycle and spaced by intervals of one-half alternating current cycle, an electron tube including an anode, a cathode, and control means for regulating the passage of electrons from the cathode to the anode, means for biasing said tube to reject voltages of less than a predetermined magnitude, an output circuit for said tube including a current source, the anode and cathode of said tube, and an indicating device, the components of said output circuit being connected in series, and means for electrically connecting said unit of lower impedance value and said square wave generator to said control means whereby the average current passing through said output circuit and said indicating device is controlled by the phase relationship between said square waves and the voltages developed across said impedance unit.

2,470,413
ELECTRICAL IGNITION SYSTEM
Frank Raymond Faber Ramsay, London, England, assignor to D. Napier & Son Limited, London, England, a company of Great Britain
Application February 17, 1947, Serial No. 729,089
In Great Britain February 20, 1946
14 Claims. (Cl. 315—209)



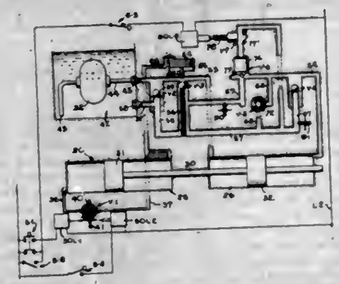
1. An electrical ignition system including an electrical impulse generator for producing high tension ignition current including a primary winding, a secondary winding, and a contact breaker; a source of high frequency energy including the said secondary winding and an auxiliary spark gap in series with it; a source of low tension energy including the said primary winding; and means for coupling a sparking plug circuit to the sources including low-pass impedance means in series with the said low tension source, so that the high frequency current resulting from an auxiliary gap spark will ionise the sparking plug gap, and a relatively low-tension discharge will follow it up to develop heat in the sparking plug gap.

2,470,414
FOLDING PEDAL WRENCH
Albert P. Rippenbein, New York, N. Y.
Application May 27, 1948, Serial No. 29,465
7 Claims. (Cl. 74—594.4)



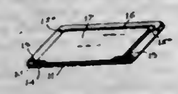
1. In a bicycle drive which includes a crank, a pedal shaft, a pedal rotatably mounted on said shaft, an aperture formed in the extremity of said crank, an end formed on said shaft for insertion in said aperture and surfaces formed on said aperture and said shaft end to frictionally engage each other as the shaft end is turned in the aperture, the improvement consisting of a planar surface formed on said shaft and means associated with said pedals and movable into engagement with said planar surface to prevent rotation of said pedal on said shaft whereby turning force may be applied through said pedal to turn the shaft end in the crank aperture.

2,470,415
DRIVE MECHANISM
Earnest Y. Seborg, Rockford, Ill., assignor to Barnes Drill Co., Rockford, Ill., a corporation of Illinois
Application March 18, 1947, Serial No. 735,406
12 Claims. (Cl. 60—97)



9. The combination in a machine tool having a reciprocable carriage, of a pair of cylinders supported below said carriage in axial alinement, a piston rod extending through both of said cylinders and operatively connected with said carriage, said rod having pistons working in the respective cylinders, valve means for admitting air to either end of one of said cylinders selectively to impart forward and return movements to the carriage, a source of liquid under pressure connected with one end of the other of said cylinders, and valve means controlling the discharge of liquid from the other end of said other cylinder to restrict the forward movement of the carriage to a feeding rate.

2,470,416
CANVAS PANEL FOR ARTISTS
Stan Silver, New York, N. Y., assignor to Master Technique Board Co., New York, N. Y.
Application November 10, 1947, Serial No. 785,004
2 Claims. (Cl. 41—4)

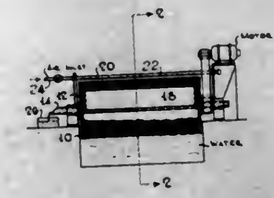


1. An artist's canvas panel, comprising a single layer canvas sheet impregnated with animal glue along the whole of one of its surfaces and a continuous rigid metal wire frame of lesser length and width than said canvas sheet, said sheet stretched over and secured at its marginal ends by the said glue around the said rigid frame, said frame defining the periphery of the panel.

2,470,417
EMULSION POLYMERIZATION IN THE PRESENCE OF SELECTIVELY HYDROGENATED TALLOW SOAPS
Byron M. Vanderbilt, Westfield, and John D. Hetchler, Rutherford, N. J.; said Vanderbilt assignor to Standard Oil Development Company, a corporation of Delaware, and said Hetchler assignor to Archer-Daniels-Midland Company, Minneapolis, Minn., a corporation of Delaware
No Drawing. Application December 30, 1944, Serial No. 570,749
10 Claims. (Cl. 260—84.5)

1. The process of producing emulsion polymerizates of conjugated diolefins having 4 to 6 carbon atoms per molecule which comprises effecting the polymerization thereof in aqueous emulsion in the presence of water-soluble soaps of selectively hydrogenated tallow acids as the emulsifying agent.

2,470,418
OIL SKIMMING DEVICE
Jules Verner, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 25, 1945, Serial No. 590,215
5 Claims. (Cl. 210—51)

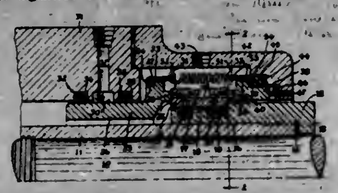


1. A skimming device for removing from a body of liquids the upper of two stratified liquids having an interface, comprising an endless fine mesh screen, means for supporting said screen over the surface of said body of liquids with a lower portion thereof extending into said upper stratified liquid, said supporting means being arranged to position said lower portion of said screen substantially at said interface, means for continuously moving the screen through said upper liquid to accumulate said upper liquid in the mesh of said screen, blower means disposed above an upper portion of said screen to discharge said accumulated liquid therefrom, and collecting means disposed to collect said discharged liquid.

2,470,419
BALANCED, COOLED, AND LUBRICATED ROTARY SEAL
Charles F. Voytech, Chicago, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application January 12, 1948, Serial No. 1,854
6 Claims. (Cl. 286—9)

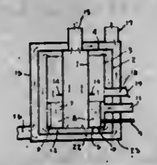
1. A fluid seal device for effecting a fluid-tight seal between a rotatable shaft and a housing therefor, said seal comprising a collar on the shaft and rotatable therewith, said collar having a pair of substantially radially disposed sealing surfaces disposed one on each side thereof, a sealing washer on each side of the collar, a radially outwardly extending abutment on each washer, a pair of cylindrical shells, one extending over each

washer, an abutment on each shell adapted to bear against the abutment on the washer, and



resilient means connecting the shells whereby to hold the washers against the collar.

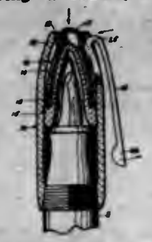
2,470,420
POT TYPE OIL BURNER AIR HEATING FURNACE
Fred E. Wilson, Milwaukee, Wis., assignor of one-half to George O. Wray, Milwaukee, Wis.
Application April 17, 1946, Serial No. 662,763
6 Claims. (Cl. 126—116)



1. A pot-type oil furnace comprising an outer drum having a top and a bottom, an inner drum located within said outer drum and having an open bottom spaced from the bottom of the outer drum and having a top extending to the top of the outer drum, the top of the outer drum serving to close the upper end of the annular space between the inner and outer drums, an annular oil pot surrounding said inner drum adjacent the bottom thereof, an annular baffle between said drums extending upwardly from said annular oil pot and having its top edge spaced from the top of said outer drum, the bottom of said annular oil pot being arranged to close the space between the annular baffle and the inner drum, a smoke pipe leading outwardly from the upper portion of said inner drum, fuel supply means for said annular oil pot, and means for conducting air for combustion to a position immediately adjacent said annular oil pot, said annular oil pot being spaced upwardly from the bottom of said outer drum, whereby the heated products of combustion will pass around and below said annular oil pot and will preheat the oil in said annular oil pot.

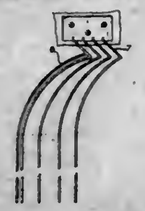
2,470,421
CLIP FOR PENS AND PENCILS
Joseph R. Woody, Navy Yard, Charleston, S. C.
Application July 18, 1947, Serial No. 761,829
2 Claims. (Cl. 24—11)

1. In combination with a pen or the like, a cap for said pen, said cap comprising a tubular member formed with an open pen-receiving lower end and a tapered open upper end, a first thimble, means for readily detachably securing said thimble in said member to provide a point-receiving cavity, a second thimble in said member upwardly of said first thimble and telescopically receiving said first thimble therein, said second thimble having an upwardly and radially inwardly-inclined skirt providing an outer cam surface and a rounded end portion providing a button adapted to project through the open upper end of said tubular member, a spring interposed between said thimbles for biasing said second thimble upwardly and project said button thereof upwardly through said open upper end of said member, a clip, pivot means pivotally mounting said clip on said tubular member adjacent said upper end thereof, said member being formed with a radially-directed opening therethrough, said clip having a radially-inwardly-directed



lever arm rearwardly of said pivot means, said lever arm extending through said opening in said member, spring means operatively associated with said clip and loading said lever arm thereof into engagement with said cam surface of said second thimble, said first-named spring being operative through said second thimble to load said clip into engagement with the exterior of said tubular member, and said cam surface and second-named spring causing inward movement of said lever arm whereby to release said clip when said second thimble is depressed downwardly.

2,470,422
DRAPERY FIXTURE
Mildred B. Wright, Berwyn, Ill.
Application October 26, 1945, Serial No. 624,856
10 Claims. (Cl. 160—84)



4. A drapery fixture comprising a plurality of curved fold retaining elements and means for supporting them adjacent an upper corner margin of a window frame in spaced apart position, said elements being spaced apart for receiving folded portions of a drape between their upper end portions and for retaining said folds in downwardly curving formations curved toward the middle of the window.

2,470,423
ELECTRICAL SPLICER
William H. Alford, Winston-Salem, N. C.
Application December 29, 1945, Serial No. 637,931
2 Claims. (Cl. 174—84)

1. An electrical wire splicer comprising in combination a pair of sleeve members, each of said members having a linearly extending wire end-receiving bore opening from its outer end, an enlarged threaded connector receiving bore opening from its inner end and a flared cam-providing bore portion connecting said aforementioned bores, the entire length of the thus provided opening through each sleeve being at least insulation-surfaced, an exteriorly threaded connector having its ends operatively engaged in the respective threaded bores of said sleeve members, said connector having a conductor receiving passage extending therethrough and communicating

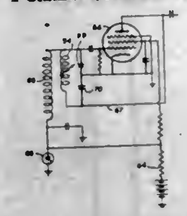


with said enlarged threaded sleeve bores, electrical conductor means extending through said connector passage, opposed oppositely directed spring material arms at each end of said conductor means, a pair of opposed wire terminal-engageable jaws in the threaded bore portion of each sleeve and carried by the respective adjacent spring material conductor-carried arms, the outer ends of the jaws normally bearing against the sleeve bore inwardly of the outwardly flared cam portion thereof, and insulation piercing means projecting inwardly from each of said jaws.

2,470,424
PRESERVATION OF FRUITS AND VEGETABLES
Dell Alves, Guadalupe, Calif.
No Drawing. Application May 16, 1946, Serial No. 670,314
5 Claims. (Cl. 99—103)

1. A wash solution for vegetable products comprising water and the reaction products of an alkali metal carbonate, water, and sulfur dioxide, the solution having a pH between about 5.0 and 6.0.

2,470,425
LOW-FREQUENCY DRIFT OSCILLATOR
John F. Bell, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Original application February 13, 1943, Serial No. 475,779. Divided and this application October 20, 1944, Serial No. 559,618
1 Claim. (Cl. 250—36)



An oscillator circuit comprising a tunable inductor, capacitor means, and an electron discharge device having a heater element, said inductor being arranged to have low inductance drift with temperature changes and one which is substantially proportional to the inductance in all settings of the inductor, said capacitor means including two capacitors having temperature coefficients which compensate for changes of capacity and inductance in said oscillator circuit due to changes of ambient temperature, a resistor heater, means for supplying current to said heater element and to said resistor heater simultaneously, a temperature divider conductor extending from said heater resistor, and a heat conductor lead extending from one of said capacitors to an intermediate point on said temperature divider conductor, said intermediate point of connection of the heat conductor lead and said temperature divider conductor and the effective length of the heat conductor lead being such that heat is transferred from said resistor heater to the capacitor connected to the heat conductor lead at a rate and to an extent to provide capacity change in the circuit to compensate for changes in the frequency which would otherwise result from changes of parameters due to the heating up of the tube.

2,470,426
SPREAD BAND TUNING CIRCUIT
Zolmon Benin, Glen Ellyn, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Original application October 28, 1942, Serial No. 463,665. Divided and this application August 22, 1945, Serial No. 612,039
3 Claims. (Cl. 250—40)

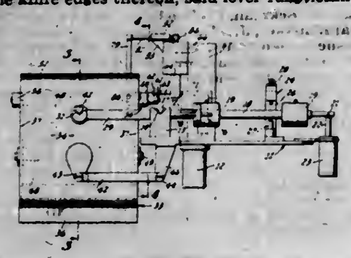


1. A tuning arrangement for a radio receiving system, and the like, for continuously tuning said system through a frequency spectrum and for simultaneously providing band spreading in selected bands of said spectrum, said arrangement comprising a tuning circuit including a first reactor, a variable reactor of opposite sign coupled in shunt with said first reactor for tuning said circuit through said spectrum, a first switching unit mechanically coupled to said variable reactor for selectively switching a plurality of further reactors of the same sign as said first reactor in circuit therewith, a second switching unit similarly coupled to said variable reactor for switching a further reactor of the same sign as said variable reactor in circuit therewith at said selected bands to provide band spreading therein, the values of the selected ones of said first mentioned further reactors being so related to the value of said second mentioned further reactor that the inductance-capacitance value of said circuit is constant at the switching points of said second mentioned further reactor, whereby said variable reactor continuously tunes said circuit throughout said spectrum.

2,470,427
ELECTRICAL SCALE
Damon D. Brodie, Los Angeles, Calif.
Application August 30, 1946, Serial No. 694,114
1 Claim. (Cl. 249—19)

In a scale of the type designed to weigh and separate continuously flowing material into batches of a predetermined weight, a platform, a scale frame supported by spaced knife edges upon said platform and including a pair of spaced arms extended at one side of said platform and a beam extended thereover, counterbalancing weights on said beam, a bucket open at its top and formed with a discharge port, knife edges supporting said bucket for pivotal movement on said arms and a lever pivotally secured to said bucket below the supporting knife edges thereof, pivotally connected to a point fixed with

respect to said platform, and positioned below the knife edges thereon, said lever functioning to

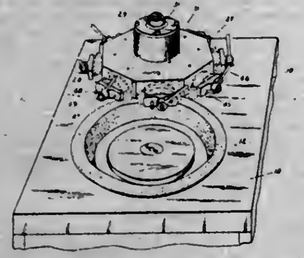


maintain said bucket in a vertical position throughout its pivotal movement.

2,470,428
SUPPRESSION OF CORROSIVE ACTION OF CARBONIC ACID
Elza Q. Camp, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 2, 1945, Serial No. 626,447
2 Claims. (Cl. 23—150)

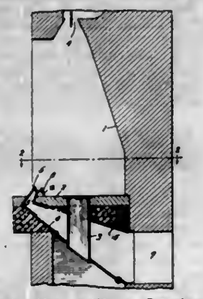
1. A method of reducing the corrosive action of a mixture consisting of water, air and carbon dioxide in contact with ferrous metal in steam boiler systems which comprises injecting in said system an inhibiting amount of carbon disulfide.

2,470,429
ROTARY TURRET TYPE WORKHOLDING FIXTURE
Walter A. Carlson, Sioux City, Iowa
Application June 13, 1946, Serial No. 676,511
3 Claims. (Cl. 51—134)



1. A fixture for holding articles to be ground comprising a body member, means for rotatably supporting said body member, a plurality of flat positioning surfaces on said body, a clamp bar for each of said surfaces, a pair of spaced studs projecting from each of said surfaces, one of said studs being longer than the other, holes through each of said clamp bars for relatively easily receiving the studs at the respective surfaces, a screw projecting from each of said surfaces, each clamp bar including a third hole for relatively easily receiving the screw at the respective surface, and a threaded clamp associated with each of said clamp bars, said clamp being adapted to engage the longer one of said studs on opening to limit movement thereof.

2,470,430
FIREPLACE AIR FEEDER CONSTRUCTION
Randolph Hicke Carter, Warrenton, Va.
Application June 30, 1945, Serial No. 602,511
7 Claims. (Cl. 126—120)



4. In combination with a fireplace including a combustion chamber having side and back walls, a hearth, a flue and a front opening communicating with the room to be heated, an elongated upwardly open aperture in said hearth extending from side wall to side wall of said combustion chamber, conduit means for supplying air to said aperture from the exterior of said room, means directed rearwardly upwardly and operatively associated with said aperture and serving as an extension of the upper edge of said aperture and thereby forming the front lowermost edge of said opening between said fireplace and said room for directing air issuing from said aperture upwardly into said fireplace toward said flue whereby the flue draft entrains a curtain of cool air across the front of said opening to effectively isolate the air in said room from the air in said combustion chamber and prevent the heated gases and smoke in said combustion chamber from entering said room.

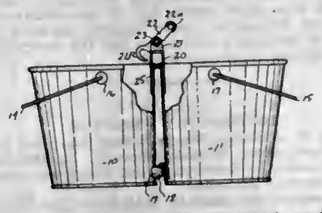
2,470,431
CLIP FOR FOUNTAIN PENS AND OTHER ARTICLES
David Coyne, New York, N. Y.
Application February 21, 1945, Serial No. 579,064
4 Claims. (Cl. 24—11)



2. A retaining device of the class described, comprising a pair of individually separate members having laterally extending attaching portions at their adjacent ends and having inner and outer confronting arms separable at their opposite ends, the portions of said arms adjacent said opposite ends being relatively flexible toward

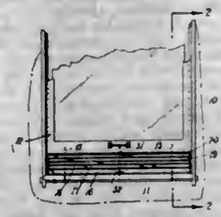
and away from each other in resilient article-gripping relation and said outer arm being less flexible than said inner arm, and interengaging means on said laterally extending end portions of said members for holding said arms in said confronting relation.

2,470,432
TWIN PAILS
Arthur Cusick, Youngstown, Ohio
Application January 22, 1946, Serial No. 642,737
2 Claims. (Cl. 220—23.4)



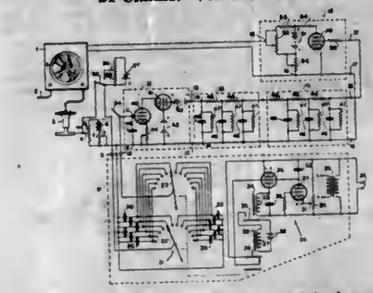
1. A pair of pails each having bails and each having a flattened side section so that they may be positioned adjacent one another, a bracket positioned on the flattened section of one of the pails and extending above the rim thereof, a pair of attachment members pivoted to the said bracket, and in spaced relation to one another, a handle spacing and holding the said attachment members at their uppermost ends, hooks formed on the lowermost end of the said attachment members, a plate positioned on the flat section of the other one of the said pails and extending above the rim thereof and having a pair of openings formed therein, the said hooks on the said attachment members being adapted to register with the said openings when the attachment members are in vertical position so that the twin pails may be carried by the said handle member and held in engaged position thereby.

2,470,433
SASH VENTILATOR
Edgar G. Davis, Detroit, Mich.
Application August 6, 1947, Serial No. 766,671
6 Claims. (Cl. 160—102)



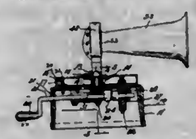
1. In combination with a window frame having a sill and a vertically sliding sash, a plurality of slats arranged in face-to-face abutment between the lower rail of said sash and said sill in the closed position of said sash, a plurality of rods depending from said sash through said slats and into said sill, said rods being provided with means for progressively raising said slats into vertically spaced relationship as said sash is raised, said means supporting said slats in outwardly and downwardly slanting position when the sash is so raised.

2,470,434
ANALYZING METHOD AND APPARATUS
Donald P. Eckman, Philadelphia, and William H. Wannamaker, Jr., Flourtown, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 27, 1945, Serial No. 585,124
21 Claims. (Cl. 235—61)



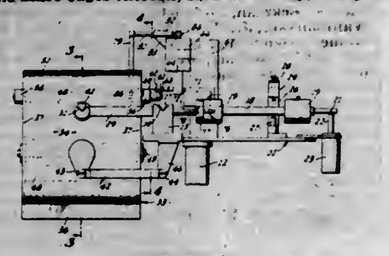
1. The method of simulating a control system comprising the steps of producing an electrical current having a substantially constant amplitude irrespective of the impedance through which it flows, passing said current through an impedance having electrical characteristics analogous to the characteristics of the control system being simulated to produce a voltage of magnitude jointly determined by the amplitude of said current and by said electrical characteristics, and varying the amplitude of said current as required to restore said voltage to a predetermined value upon departure of said voltage from said value.

2,470,435
MINIATURE TOY PHONOGRAPH
Ira Gold, Chicago, Ill., assignor to Atlas Toy Company, Chicago, Ill., a corporation of Illinois
Application February 21, 1948, Serial No. 9,985
2 Claims. (Cl. 274—9)



2. A miniature toy phonograph comprising a base having a hollow interior, a circular turntable rotatably mounted on said base, said turntable having a downturned edge around its circumference, said turntable adapted to receive and hold a grooved phonograph record, a drive shaft mounted within said base beneath said turntable, said driveshaft having on one end a hand crank manually operable from outside said base to rotate said drive shaft, a drive wheel mounted on said drive shaft with its outer edge contacting the lower surface of said turntable, a flywheel shaft extending through an opening in said base beneath said turntable, a flywheel mounted on said shaft within said base and a balance wheel mounted on said shaft above said base and beneath said turntable, said balance wheel having its outer edge in contact with the inside of the downturned edge of said turntable, said drive shaft, drive wheel, turntable, flywheel and bal-

respect to said platform, and positioned below the knife edges thereon, said lever functioning to

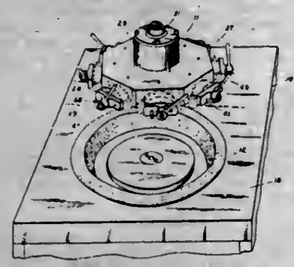


maintain said bucket in a vertical position throughout its pivotal movement.

2,470,428
SUPPRESSION OF CORROSIVE ACTION OF CARBONIC ACID
Elza Q. Camp, Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 2, 1945, Serial No. 626,447
2 Claims. (Cl. 23—150)

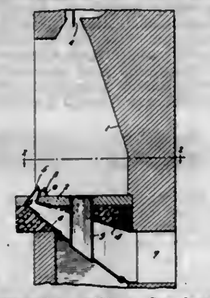
1. A method of reducing the corrosive action of a mixture consisting of water, air and carbon dioxide in contact with ferrous metal in steam boiler systems which comprises injecting in said system an inhibiting amount of carbon disulfide.

2,470,429
ROTARY TURRET TYPE WORKHOLDING FIXTURE
Walter A. Carlson, Sioux City, Iowa
Application June 13, 1946, Serial No. 676,511
3 Claims. (Cl. 51—134)



1. A fixture for holding articles to be ground comprising a body member, means for rotatably supporting said body member, a plurality of flat positioning surfaces on said body, a clamp bar for each of said surfaces, a pair of spaced studs projecting from each of said surfaces, one of said studs being longer than the other, holes through each of said clamp bars for relatively easily receiving the studs at the respective surfaces, a screw projecting from each of said surfaces, each clamp bar including a third hole for relatively easily receiving the screw at the respective surface, and a threaded clamp associated with each of said clamp bars, said clamp being adapted to engage the longer one of said studs on opening to limit movement thereof.

2,470,430
FIREPLACE AIR FEEDER CONSTRUCTION
Randolph Hicke Carter, Warrenton, Va.
Application June 30, 1945, Serial No. 602,511
7 Claims. (Cl. 126—120)



4. In combination with a fireplace including a combustion chamber having side and back walls, a hearth, a flue and a front opening communicating with the room to be heated, an elongated upwardly open aperture in said hearth extending from side wall to side wall of said combustion chamber, conduit means for supplying air to said aperture from the exterior of said room, means directed rearwardly upwardly and operatively associated with said aperture and serving as an extension of the upper edge of said aperture and thereby forming the front lowermost edge of said opening between said fireplace and said room for directing air issuing from said aperture upwardly into said fireplace toward said flue whereby the flue draft entrains a curtain of cool air across the front of said opening to effectively isolate the air in said room from the air in said combustion chamber and prevent the heated gases and smoke in said combustion chamber from entering said room.

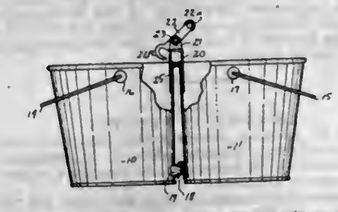
2,470,431
CLIP FOR FOUNTAIN PENS AND OTHER ARTICLES
David Coyne, New York, N. Y.
Application February 21, 1945, Serial No. 579,064
4 Claims. (Cl. 24—11)



2. A retaining device of the class described, comprising a pair of individually separate members having laterally extending attaching portions at their adjacent ends and having inner and outer confronting arms separable at their opposite ends, the portions of said arms adjacent said opposite ends being relatively flexible toward

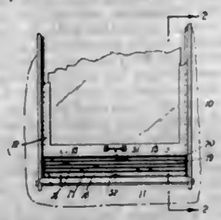
and away from each other in resilient article-gripping relation and said outer arm being less flexible than said inner arm, and interengaging means on said laterally extending end portions of said members for holding said arms in said confronting relation.

2,470,432
TWIN PAILS
Arthur Cusick, Youngstown, Ohio
Application January 22, 1946, Serial No. 642,737
2 Claims. (Cl. 220—23.4)



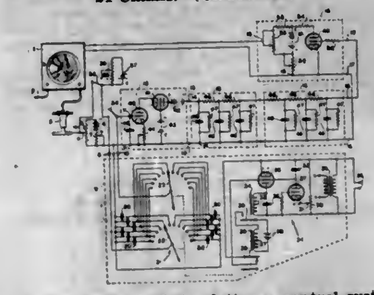
1. A pair of pails each having bails and each having a flattened side section so that they may be positioned adjacent one another, a bracket positioned on the flattened section of one of the pails and extending above the rim thereof, a pair of attachment members pivoted to the said bracket, and in spaced relation to one another, a handle spacing and holding the said attachment members at their uppermost ends, hooks formed on the lowermost end of the said attachment members, a plate positioned on the flat section of the other one of the said pails and extending above the rim thereof and having a pair of openings formed therein, the said hooks on the said attachment members being adapted to register with the said openings when the attachment members are in vertical position so that the twin pails may be carried by the said handle member and held in engaged position thereby.

2,470,433
SASH VENTILATOR
Edgar G. Davis, Detroit, Mich.
Application August 6, 1947, Serial No. 766,671
6 Claims. (Cl. 160—102)



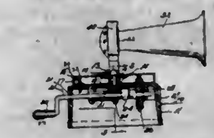
1. In combination with a window frame having a sill and a vertically sliding sash, a plurality of slats arranged in face-to-face abutment between the lower rail of said sash and said sill in the closed position of said sash, a plurality of rods depending from said sash through said slats and into said sill, said rods being provided with means for progressively raising said slats into vertically spaced relationship as said sash is raised, said means supporting said slats in outwardly and downwardly slanting position when the sash is so raised.

2,470,434
ANALYZING METHOD AND APPARATUS
Donald P. Eckman, Philadelphia, and William H. Wannamaker, Jr., Flourtown, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 27, 1945, Serial No. 585,124
21 Claims. (Cl. 235—61)



1. The method of simulating a control system comprising the steps of producing an electrical current having a substantially constant amplitude irrespective of the impedance through which it flows, passing said current through an impedance having electrical characteristics analogous to the characteristics of the control system being simulated to produce a voltage of magnitude jointly determined by the amplitude of said current and by said electrical characteristics, and varying the amplitude of said current as required to restore said voltage to a predetermined value upon departure of said voltage from said value.

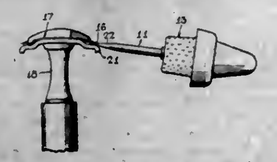
2,470,435
MINIATURE TOY PHONOGRAPH
Ira Gold, Chicago, Ill., assignor to Atlas Toy Company, Chicago, Ill., a corporation of Illinois
Application February 21, 1948, Serial No. 9,985
2 Claims. (Cl. 274—9)



2. A miniature toy phonograph comprising a base having a hollow interior, a circular turntable rotatably mounted on said base, said turntable having a downturned edge around its circumference, said turntable adapted to receive and hold a grooved phonograph record, a drive shaft mounted within said base beneath said turntable, said driveshaft having on one end a hand crank manually operable from outside said base to rotate said drive shaft, a drive wheel mounted on said drive shaft with its outer edge contacting the lower surface of said turntable, a flywheel shaft extending through an opening in said base beneath said turntable, a flywheel mounted on said shaft within said base and a balance wheel mounted on said shaft above said base and beneath said turntable, said balance wheel having its outer edge in contact with the inside of the downturned edge of said turntable, said drive shaft, drive wheel, turntable, flywheel and bal-

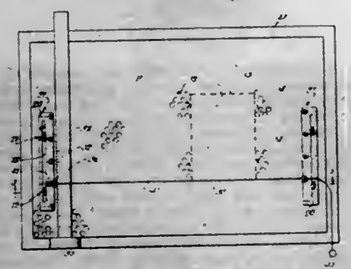
ance wheel adapted to rotate upon the manual operation of said hand crank, an arm pivotally mounted on said base, said arm having a circular end portion, a paper diaphragm mounted in said circular end portion, a vibrator attached at one end to the center of said diaphragm and extending radially from the center of said diaphragm at a sufficient distance therefrom to permit vibration of said diaphragm, said vibrator having its other end mounted in said arm, and adapted to receive and hold a phonograph needle, a horn mounted on said arm adjacent said diaphragm, said vibrator, diaphragm and horn adapted to receive through a phonograph needle vibrations from a grooved phonograph record on said turntable as said turntable is rotated, and to convert said vibrations into audible sound waves.

2,470,436
RAZOR BLADE STROPPER
Edward J. Gray, New York, N. Y.
Application May 18, 1946, Serial No. 670,749
2 Claims. (Cl. 51—205)



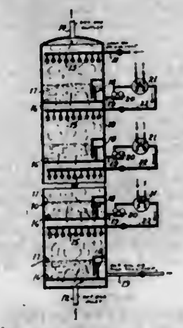
1. The method of stropping safety razor blades mounted in a safety razor blade holder, which consists of placing the finely pointed tip of a pin of hardened material between the underside of a safety razor blade edge mounted in said holder and the guard of said holder directly beneath said razor edge so that the conical portion of said pin is in contact with the underside of said razor edge, and lightly rubbing said conical portion of said tip along said razor edge one or more times prior to each use of said razor blade.

2,470,437
PRINTING FORM ALIGNING APPARATUS
Albert J. Hoerth, Des Plaines, Ill.
Application July 26, 1946, Serial No. 686,315
4 Claims. (Cl. 33—184.5)



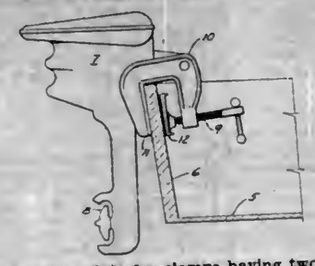
3. A device for aligning printing plates adapted to be detachably mounted on a base having a plurality of apertures for receiving the mounting means comprising in combination a plurality of pairs of plug elements each snugly engageable in an aperture of the base, a member associated with each said pair of elements, each said member and the elements individual thereto having mutually engaging means to permit the member to be adjusted laterally with respect to the base and secured in adjusted position, a post secured in each said member, each said post having a threaded portion and a thumb nut engageable therewith, an aligning wire, a clamping plate underlying said nut and having an aperture to engage the post and adapted to pinch the wire against said member, and the clamping plate having a slot for maintaining a straight position of the wire upon tightening of the thumb nut, the wire extending under tension between the posts to provide a reference line for positioning and aligning a printing plate.

2,470,438
ABSORPTION PROCESS
Robert M. Jackson, Baton Rouge, La., and Paul J. Harrington, Mountainside, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application September 17, 1943, Serial No. 502,756
5 Claims. (Cl. 183—120)



2. An improved tower for countercurrently contacting downflowing liquid and upflowing vapor streams, which comprises means for introducing a vapor stream into the bottom and means for withdrawing a vapor stream from the top of said tower, means for introducing a liquid stream into the top and means for withdrawing a liquid stream from the bottom of said tower, a plurality of contacting zones intermediate the top and bottom of said tower, said contacting zones comprising a pierced plate which permits the upflow of vapor from an adjacent zone to the zone above, said pierced plate having attached thereto a vertical weir extending above the plate, the ends of which are attached to the wall of the tower forming a trough whereby liquid on the top of said pierced plate flows over the top of said weir into the trough area, said contacting zone being further characterized by having a hood element over the top of said trough area, whereby the flow of gas from said trough area upwardly into the contacting zone is prevented, means for withdrawing liquid from the tower from the bottom of said trough area, cooling means for cooling the withdrawn liquid and means for reintroducing the cooled liquid into the zone below the zone from which it is withdrawn.

2,470,439
SAFETY PLATE
Frederick E. Kohler, Berkeley, Calif.
Application March 3, 1947, Serial No. 732,107
4 Claims. (Cl. 248—4)

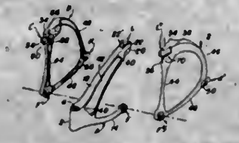


1. A safety plate for clamps having two faces inclined one with respect to the other, one face being rough and the other smoother, and means on the smoother face extending substantially along a line of constant thickness of said plate for engaging a clamp against sliding movement past the thinner edge of the plate.

2,470,440
MANUFACTURE OF DIAMOND ABRASIVE ARTICLES
Joseph N. Kuzmick, Clifton, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
No Drawing. Application March 10, 1945, Serial No. 582,164
13 Claims. (Cl. 51—298)

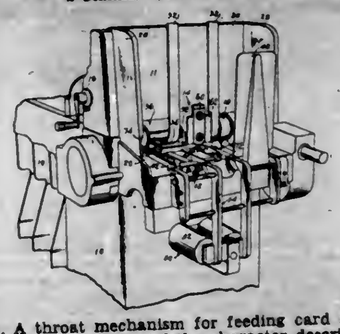
1. The method of making a resin bonded diamond abrasive body which consists in reacting a resorcinol aldehyde resin and furfuryl alcohol in an acid system, in preparing a mix thereof with diamond abrasive grains and in molding the mix under heat and pressure to convert the resin to the final infusible state.

2,470,441
BICYCLE FRAME
Herbert N. Maier, Pottstown, Pa., and Theodore H. Pickering, New Rochelle, N. Y., assignors to Doehler-Jarvis Corporation, New York, N. Y., a corporation of Michigan
Application October 11, 1946, Serial No. 702,858
22 Claims. (Cl. 280—281)



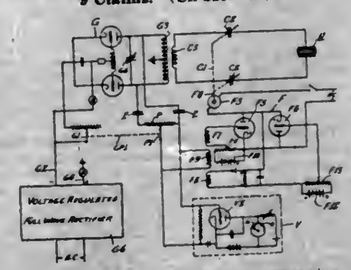
1. A bicycle frame comprising a foot pedal bearing assembly, a saddle post assembly, and three frame body sections, said frame body sections comprising front fork support and rear wheel support frame sections, each carrying a mounting part for the foot pedal bearing assembly and a part adapted to mate with cooperating parts carried by the other two frame body sections, said mounting parts for the foot pedal bearing assembly being adapted to receive therein said foot pedal bearing assembly, and the mating parts, when mated, being adapted to receive therein said saddle post assembly, said foot pedal bearing assembly and said saddle post assembly serving to fasten said three frame body sections together to form a rigid bicycle frame which carries and supports the other parts of the bicycle.

2,470,442
ADJUSTABLE THROAT MECHANISM FOR SORTING MACHINES
Gustav V. A. Malmros, Binghamton, and Edmund A. Barber, Jr., Johnson City, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 12, 1947, Serial No. 785,292
2 Claims. (Cl. 271—44)



1. A throat mechanism for feeding card and document assemblies of the character described comprising a vertically extending guide plate, a vertically extending throat plate secured to said guide plate and having a lower edge which is inclined slightly from the horizontal, a roller freely mounted for rotation about a horizontal axis and having an outer surface which is curved in a longitudinal direction, said roller being disposed beneath said inclined edge with its surface spaced from said edge a distance substantially equal to the thickness of one of the cards included in said assemblies.

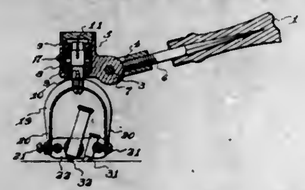
2,470,443
MEANS FOR AND METHOD OF CONTINUOUSLY MATCHING AND CONTROLLING POWER FOR HIGH-FREQUENCY HEATING OF REACTIVE LOADS
Eugene Mittelmann, Chicago, Ill.
Application July 21, 1944, Serial No. 545,917
9 Claims. (Cl. 219—47)



1. In high-frequency heating apparatus, the combination of an electronic oscillator having a tank circuit, a reactive heater, a continuously

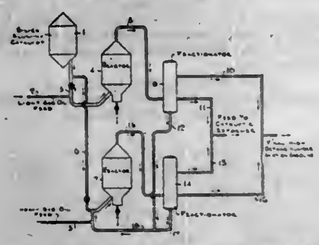
variable coupler connecting the heater into an untuned branch of the tank circuit, a circuit for tapping off from the oscillator a voltage proportional to the resonant voltage across the tank circuit, and means connected to the coupler and controlled by the tapping off circuit to vary the coupling ratio in one direction when the tapped off voltage exceeds a predetermined value and in the other direction when the tapped off voltage is below said pretermined value, without stopping the oscillator.

2,470,444
GLASS CUTTER
George A. Philippe, Fort Smith, Ark.
Application February 21, 1946, Serial No. 649,170
6 Claims. (Cl. 49—52)



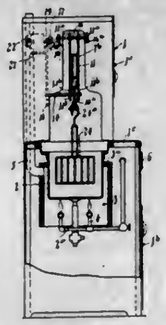
1. A glass cutter comprising a handle member, a head to which said handle member is connected, a cutter carriage yoke below said head, a vertical shaft carried by the upper portion of said yoke and rotatably mounted in the head, yieldable means for urging said yoke towards the plane of the axis of the handle, and a cutter carrying carriage rockably mounted within the yoke on pivotal points in the plane of the yoke.

2,470,445
PRODUCTION OF HIGH OCTANE NUMBER AVIATION GASOLINE
Kenneth M. Purdy, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 29, 1947, Serial No. 782,735
4 Claims. (Cl. 196—49)



1. The process of producing high octane number gasolines which comprises catalytically cracking light gas oil at temperatures of about 800–850° F. and at conversions of from 45–55 volume per cent, catalytically cracking heavy gas oil at temperatures of 950–1000° F. and at conversions of from 55–85 volume per cent, taking a C5–230° F. cut from the reaction product of the light gas oil cracking step and a 230–325° F. cut from the reaction product of the heavy gas oil cracking step, and blending these cuts to produce a high octane number aviation gasoline.

2,470,446
HEATING AND COOKING APPARATUS
Thomas B. Rankin, Brantford, Ontario, Canada
Application March 31, 1947, Serial No. 738,466
10 Claims. (Cl. 99—407)



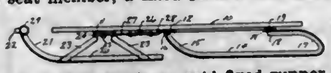
8. In a heating apparatus, a heating section, a track comprising a first section mounted over the heating section and a second section extending beyond the heating section, suspending means supported on the track for suspending the material to be heated in the heating section, endless conveyors, the endless conveyors including lugs adapted to move the suspending means along the track, one conveyor being mounted adjacent the first track section and another conveyor being mounted adjacent the second track section, and a shaft positioned adjacent the junction of the track sections, each of said conveyors including a sprocket mounted on the shaft, one of said sprockets being a driver for one conveyor and the other of said sprockets being an idler for the other conveyor, a driving sprocket for the said other conveyor, means for driving the driving sprockets of the conveyors at different speeds, the first conveyor being driven at a relatively slow speed to move the suspending means to the end of the first track section and the second conveyor being driven at a relatively greater speed to then move the suspending means along the second track section without substantially interrupting the movement of the suspending means.

2,470,447
STABILIZATION OF LOW UNSATURATION ISOOLEFINIC POLYMERS
Carll F. Van Glider, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 11, 1945, Serial No. 604,519
6 Claims. (Cl. 260—94)

1. The polymerization process consisting of the steps in combination of mixing an isoolefin and 0.1–5% of a poly alkylated phenol and polymerizing the mixture at a temperature within the range between 0° C. and —164° C. by the application to the cold mixture of a Friedel-Crafts catalyst dissolved in a non-complex forming solvent which is liquid at the reaction temperature.

2,470,448
BOBSLED
Ralph Warrender, Sharon, Pa.
Application December 23, 1946, Serial No. 718,011
1 Claim. (Cl. 280—16)

A bobsled comprising a seat member formed of a plurality of cross pieces and a plurality of slats positioned thereon and affixed thereto, a pivot member affixed beneath one of the said cross pieces and a movable runner unit mounted beneath the said pivot member, the said runner unit including a U-shaped runner member, the arms of which are spaced apart and a U portion of which is upwardly curved, a steering bar affixed to the said upwardly curved portion of the runner unit and lying on the same plane as the said seat member, a fixed runner unit attached



beneath said cross pieces, said fixed runner unit disposed behind the said movable runner unit and including spaced runners having upturned ends forming connections with the said cross pieces, a rearward projection formed on the said movable runner unit and a forwardly extending projection formed on one of the said cross pieces and a coil spring positioned between the said projections and normally holding the said movable runner unit in axial alignment with the said fixed runner unit.

2,470,449
PHOSPHOR MATERIALS
Ferd E. Williams, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 17, 1945, Serial No. 622,625
1 Claim. (Cl. 250—80)



A compound phosphor consisting of calcium phosphate, a cerium activator therefor, a radium compound intermingled with said calcium phosphate and a coating of magnesium-germanate material with manganese activator having greater magnesium oxide content than ortho proportions.

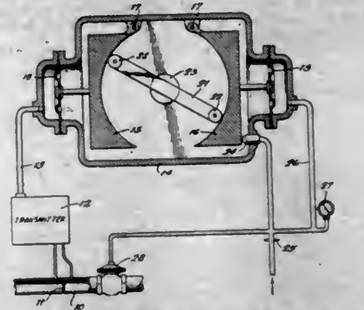
2,470,450
TANNING WITH FREE FORMALDEHYDE AND MELAMINE SIMULTANEOUSLY
Wallace Windus, Bristol, Pa., assignor to John R. Evans & Company, Camden, N. J., a corporation of New Jersey
No Drawing. Application September 7, 1945, Serial No. 615,077
6 Claims. (Cl. 8—94.33)

1. Process of tanning which comprises submerging a tannable animal skin for at least three hours in a dilute aqueous solution containing at least about 5% by weight (on the basis of the wet skin) of melamine in suspension together with an amount of dissolved formaldehyde equivalent to at least 1.5 mols of said melamine, the melamine progressively passing into solution as the solution becomes depleted of melamine as the result of the tanning action.

2,470,451
PHOSPHORS
Elton J. Wood, Hopewell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application October 17, 1945, Serial No. 622,947
2 Claims. (Cl. 252—301.6)

1. A phosphor material consisting essentially of crystallized zinc sulphide and activators of copper, manganese and terbium, the copper and manganese being up to 1% of the weight of the sulphide and the terbium being from 0.01% up to 0.02% of the weight of said sulphide.

2,470,452
RATIO CONTROL DEVICE
Robert A. Ackley, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application September 26, 1947, Serial No. 776,274
5 Claims. (Cl. 137—153)



1. A ratio control device comprising a pair of movably mounted members having concentrically curved facing surfaces, a compression strut mounted for pivotal movement about the center of said surfaces and for longitudinal movement, the ends of the strut engaging the surfaces respectively, means to urge one of the members toward the other, and means responsive to movement of the members to urge said other member toward said one member to balance the first named means.

2,470,453
TREATMENT OF MATERIALS COMPOSED PARTLY OR WHOLLY OF WOOL OR SIMILAR FIBERS
Peter Alexander, Leicester, England, assignor to Wolsey Limited, Leicester, England, a British company
No Drawing. Application December 11, 1947, Serial No. 791,150. In Great Britain November 6, 1946
3 Claims. (Cl. 26—18.5)

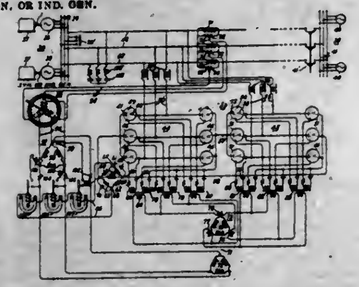
1. A process for the treatment of wool for the purpose of rendering it substantially unshrinkable which comprises exposing the wool to the action of vibrations of a frequency of between 3 kilocycles per second and 3000 kilocycles per second, said vibrations having an intensity at least sufficient to coagulate a 0.1% solution of egg albumen at the iso-electric point and at a temperature below 50° F. in a period of less than five minutes, whilst immersed in an aqueous liquid, which is chemically inert to wool.

2,470,454
STABILIZER FOR ALTERNATING CURRENT POWER TRANSMISSION SYSTEMS
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 13, 1947, Serial No. 747,787
26 Claims. (Cl. 172—237)

1. In a system of distribution having remotely situated alternating current dynamo-electric ma-

chines with an electrically long transmission line interconnecting the same, comprising a reactive power absorbing circuit for connection in parallel relation to the transmission line and including electronic means operable to control the amount of reactive power input to said absorbing circuit, and means independent of synchronizing forces transmitted by said transmission line and connected for response in accordance with the phase displacement between the voltages of said remotely situated alternating current machines for controlling said electronic means to vary the amount of reactive power drawn by said power absorbing circuit in a manner to maintain a synchronous relation between said machines.

SYN. OR IND. GEN.



13. A stabilizer adapted to control the transmission of power between an induction generator and a synchronous motor remotely situated and interconnected by an electrically long transmission line, comprising an electronic tube rectifier for connection as a parallel branch circuit to said transmission line at a point intermediate the generator and motor and provided with input and output circuits, the electronic tubes of said rectifier each being provided with a control electrode, a reactor connected in said input circuit, a closed circuit conductor constituting a virtual short circuit connected across said output circuit, a capacitor connected in parallel relation with said input circuit, and current responsive means for connection to said transmission line at the generator terminals and connected to energize each of said control electrodes.

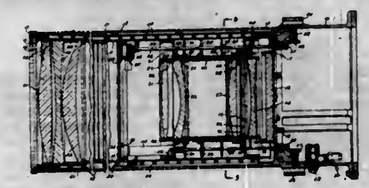
18. A variable reactive current device, comprising an electronic tube conversion unit including two groups of a plurality of electronic tubes with each group of tubes being connected as a rectifier, each of said tubes being provided with an anode, a cathode and a control electrode, means for connecting said rectifiers in series relation including a closed circuit conductor acting as a virtual short circuit for the direct current of said rectifiers, an alternating current input circuit connected to each rectifier group, inductive reactance means connected in each of the input circuits, means for energizing the anode-cathode circuit of each tube with a voltage of given phase, means for energizing the control electrode of each tube with a voltage variable in phase relative to said given voltage, and means for modifying the energization of said last mentioned means in accordance with the rate of change of phase angle between said voltages.

2,470,455

AUTOMATIC ALTITUDE AND PRESSURE COMPENSATOR FOR AERIAL CAMERA LENSES

Charles F. Avila, Milton, Mass., assignor to the United States of America as represented by the Secretary of War

Application June 18, 1946, Serial No. 677,620
10 Claims. (Cl. 95—45)



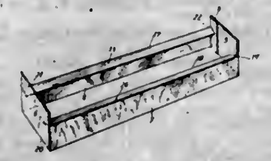
1. In an aerial camera containing a lens system comprising a plurality of lenses mounted in optical seriatim and including a single movable lens constituting the rear element thereof and also means whereby said rear lens is mounted to be movable manually relative to the other lenses, the improvement which comprises compensating means including pressure responsive means and also companion control means both operatively connected with said rear lens mounting means and being automatically actuated by variations in altitude and atmospheric pressure to move said rear lens relative to the other lens, whereby to compensate for the optical refraction of said lenses and the shift of focus due to such change in altitude and pressure and keep the image substantially fixed.

2,470,456

TRAY

Charles O. Ballar and Thomas L. Spalding, Menasha, Wis., assignors to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin

Application January 7, 1947, Serial No. 720,550
2 Claims. (Cl. 229—30)



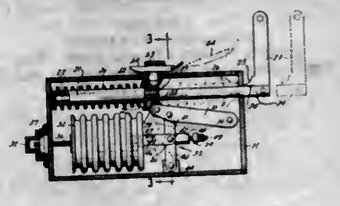
1. A tray for supporting articles formed of an elongated integral blank, the ends of said blank being partially overlapped and fastened together to form a rectangular band, said blank being provided with score lines to form opposed end walls and side walls, said side walls being provided with panel portions folded inwardly toward each other on a hinge line extending in parallel relation to the longitudinal edges of said side walls, and said panel portions being formed by cut lines extending downwardly from the top edge of the side wall at right angles thereto and terminating at said hinge line, said panel portions being adapted to assume a position for supporting articles thereon.

2,470,457

PARACHUTE RELEASE MECHANISM

Mario Eduardo Báncora, Rosario, Argentina, assignor to the United States of America as represented by the Secretary of War

Application June 10, 1946, Serial No. 675,643
6 Claims. (Cl. 244—150)



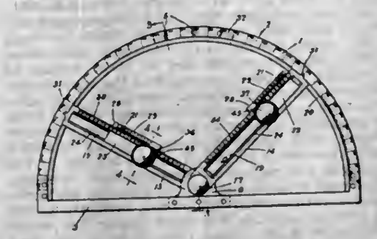
1. An automatic parachute release mechanism arranged for mounting on a parachute pack in association with the rip cord and the means for manually pulling said cord, said mechanism comprising a plunger and means for connecting it with the rip cord, said connecting means being movable on the inactive plunger when the rip cord is pulled manually, means for actuating said plunger to withdraw the rip cord automatically, and a snap action device to normally hold said plunger actuating means restrained above a certain altitude, said device including pressure responsive means to actuate it and suddenly release said plunger actuating means from restraint so as to operate the plunger for pulling the rip cord when the mechanism descends below said certain altitude.

2,470,458

PROTRACTOR

Francis A. Barr, Laureiton, Long Island, N. Y.

Application June 7, 1946, Serial No. 675,058
6 Claims. (Cl. 33—75)



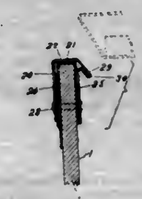
6. A measuring instrument comprising a protractor having an arcuate bar provided with a scale and a cross bar between ends of its arcuate bar, a post extending upwardly from the cross bar midway the length thereof, arms pivoted to the post and having their free ends provided with pointers cooperating with a scale provided along the arcuate bar, mounting members slidable along said arms and provided with scales companion to scales provided upon the arms, posts rising from the mounting members and provided with vertical scales, and sleeves threaded upon the last mentioned posts with their lower ends extending across the scales thereon.

2,470,459

TOBACCO HOGSHEAD

Harry Guthrie Bell, Paris, Ky., assignor to Gay and Bell, Paris, Ky., a partnership composed of Jacob Dougina Gay, Jr., Lexington, and John Wilson Bell and Harry Guthrie Bell, Paris, Ky.

Application September 27, 1945, Serial No. 618,939
4 Claims. (Cl. 217—44)



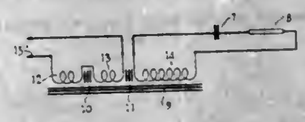
4. In a tobacco hogshead, the combination with a body composed of staves, U-shaped metal reinforcements on their ends, hoops overlying said reinforcements, and other U-shaped members also embracing the ends of some of the staves and provided with abutments projecting from the inner sides of said staves, of common securing members passing through the two U-shaped members, the hoop and staves, of a barrel head having a diameter passing within said projections, peripheral latch members on the head capable of passing the projections upon inward movement of the head and cooperating therewith to arrest the movement of the head in the opposite direction.

2,470,460

WATTAGE CONTROLLING SYSTEM

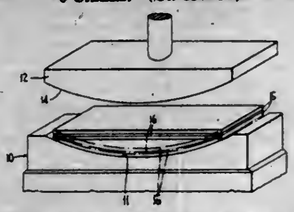
Lester F. Bird, Newark, N. J., assignor to Hanovia Chemical and Mfg. Company, Newark, N. J., a corporation of New Jersey

Application June 5, 1948, Serial No. 31,241
5 Claims. (Cl. 323—60)



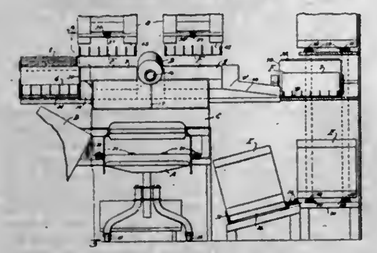
1. A wattage controlling system comprising in combination, a transformer having a magnetic core structure and mounted thereon a primary current input system comprising a plurality of coils in spaced relation to each other with high reluctance magnetic shunts between them, a secondary coil system mounted on said magnetic core structure in spaced relation to the primary coils with a high reluctance magnetic shunt between the said primary coils and the secondary coil system, a stabilizing wattage control circuit comprising a capacitor connected between one of the terminals of said secondary coil system and a load so that all the current delivered from the secondary transformer winding to the load passes therethrough, said capacitor having a reactance at line frequency of approximately twice that of the self-inductance of the transformer secondary.

2,470,461
METHOD OF MANUFACTURING GLASS
Lloyd V. Black, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 19, 1944, Serial No. 531,756
6 Claims. (Cl. 49—84)



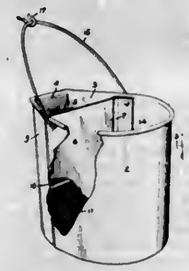
6. In the manufacture of bent laminated safety glass including superposed glass sheets and a substantially co-extensive interposed layer of organic plastic adherent to the inner surfaces of the glass sheets; the method steps which comprise assembling two first glass sheets with slight irregularities and particles thereon on opposite sides of a third glass sheet having a lower softening point than the two first sheets, heating the assembly of glass sheets until they are sufficiently soft to bend, bending together the glass sheets so assembled and heated while the interposed third sheet remains softer than said two first sheets, all irregularities and particles along the inner surfaces of said two first sheets impressing into the softer third glass sheet during the bending thereof with the third glass sheet materially uneffecting the inner surfaces of the two first glass sheets other than maintaining them in spaced relation, and removing said third sheet prior to the laminating of the two first sheets with the interposed plastic sheet.

2,470,462
EGG CANDLING BOOTH
Preston J. Blackwell, Emerson, N. J., assignor, by mesne assignments, to Robert Gair Company, Inc., New York, N. Y., a corporation of New York
Application May 15, 1946, Serial No. 669,748
4 Claims. (Cl. 88—14.5)



3. Egg candling apparatus consisting of a substantially closed darkened booth provided with an inlet opening in a wall thereof for the reception of successively fed filled cases of eggs, said opening being substantially closed by an egg case when positioned therein thereby maintaining the darkened condition within the booth, means extending from a point exteriorly of the booth through the inlet opening and into the booth forming a support along which a plurality of egg cases may be successively advanced into the booth and supported in operative position therein, a candler's seat in the booth, and a candling light positioned adjacent the candler's seat and proximate egg case, whereby the candler, in a sitting position, may candle the eggs from the case.

2,470,463
MAGAZINE FEEDBOX
John B. Botten, Chagrin Falls, Ohio
Application July 19, 1944, Serial No. 545,561
1 Claim. (Cl. 119—65)

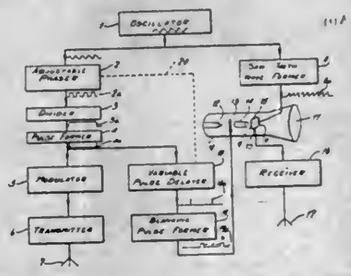


A combined feed receptacle and water bucket of the character described, comprising in combination, a container of generally pail form provided with body and bail members, the body including imperforate bottom and side wall members, the side wall member being slightly tapered for nesting purposes and including a curved front portion and a rear portion formed by two parts in planes at right angles to each other to closely fit a stall corner and an intermediate part providing a lip for use in pouring when the receptacle serves as a water bucket, a removable partition, opposite parallel supports therefor mounted on the container side wall member and extending vertically along the lines where the ends of the curved portion of the side wall meet those portions thereof which are at right angles to each other, said partition dividing the space within the container into magazine and feeding compartments and having its lower edge spaced from the container bottom to provide communication between said compartments, and an inclined screen removably mounted in the bottom of the magazine compartment opposite said opening, said screen sloping toward the opening and providing a refuse receiving pocket beneath it, the bail having such contour as to enable the receptacle to be hung upon a support in the stall corner with its rear portion closely fitted between the walls thereof.

2,470,464
TIMING AND PHASE CONTROL CIRCUITS
Robert M. Bowie, Emporium, Pa., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application August 3, 1942, Serial No. 453,367
34 Claims. (Cl. 343—13)

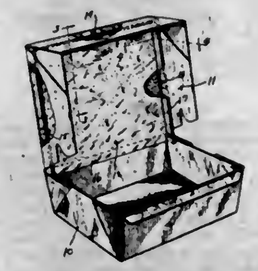
4. In a system of range finding by radio echo, a cathode-ray tube oscilloscope having three control elements one of which is a control grid and the other two are beam deflection controls, a

master oscillator, means to impress on one of said deflection control elements pulses at the master oscillator frequency, a frequency subdivider of the periodic pulse counting type for subdividing the frequency of a portion of the master oscillations, transmitter to transmit said subdivided frequency signals over a high frequency radio channel to an object, means to detect the said signals after reflection from the object, means to apply the detected signals to another deflection



control element, means for causing said tube to produce a zero setting indication in response to the direct transmission of signals from said transmitter to said detector, means connected to said control grid to select only a particular recurring period of the master oscillation frequency for comparison with the subdivided frequency means automatically effective to prevent cumulative error in said zero setting when said frequency subdivider miscounts as a result of the spurious injection of pulses into said divider.

2,470,465
FROZEN FOOD PACKAGE
Frank L. Broeren, George E. Wauda, and Robert Kuehl, Neenah, Wis., assignors to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin
Application July 26, 1946, Serial No. 686,368
7 Claims. (Cl. 99—192)



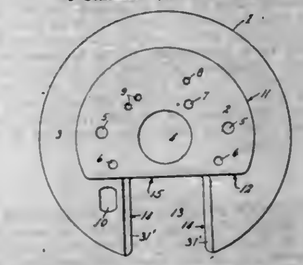
1. A frozen food package comprising a receptacle portion filled with frozen food, and a cover portion, said cover being provided with an exposed moisture-absorbent layer on the inner face thereof and in direct contact with said food, said absorbent layer being substantially saturated with water and frozen for sealing the said food within said receptacle portion.

2,470,466
KEY CASE
Douglas J. Broughton, Springfield, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application September 3, 1946, Serial No. 694,547
1 Claim. (Cl. 150—40)



In a key case having a back member, a panel member comprising rear, intermediate and front members, the rear member being hinged to the upper edge of the back member of the case, a key supporting member having a key holder connecting portion and a plate portion depending therefrom, said plate portion being positioned between the rear and intermediate panel members, fastening means extending through said rear and intermediate panel members and said plate portion to secure the key supporting member to the case, the key holder connecting portion of the key supporting member being exposed above and along the upper edge of the intermediate panel member, the front panel member extending from the upper edge of the intermediate panel member and being folded downwardly over said fastening means.

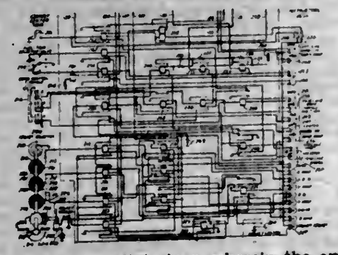
2,470,467
STATOR UNIT FOR FLYWHEEL MAGNETOS
Allen L. Brownlee, West Springfield, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application May 21, 1948, Serial No. 28,283
5 Claims. (Cl. 171—209)



1. A stator unit for a flywheel magneto, comprising, a circular steel plate having a slot which extends from its outer periphery inwardly toward but terminates short of its center and which has two spaced side walls and an inner wall interconnecting the inner ends of the side walls, a laminated armature structure including an inner part located between the inner wall of the slot and the center of the plate and permanently secured to the latter and a core extending from said inner part outwardly along the center line of said slot, a generating coil mounted on said core and capable of being moved radially on or off the core through said slot, and a cover for said

slot of thin insulating and non-magnetic material, said cover consisting of a flat piece of a length to fill said slot and of a width greater than said slot with marginal portions overlapping said side walls and lying against the inner face of said plate, said cover having a portion bent outwardly to form a recess to receive part of said coil and extending outwardly through said slot, the engagement of the coil with said portion serving to hold the marginal portions of said flat part of the cover pressed against the inner face of said plate.

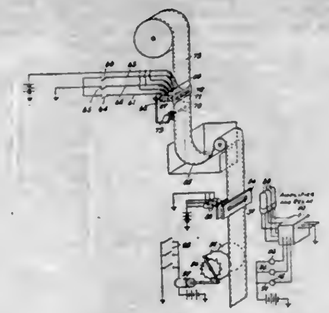
2,470,468
GROUND TRAINER FOR AIRCRAFT
Russell B. Buchanan, Lynbrook, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 28, 1946, Serial No. 718,917
13 Claims. (Cl. 35—25)



3. In an aircraft trainer, wherein the operation of the armament of an airplane is simulated, a train of counting relays, an instructor's desk, lamps at said desk responsive to said relays to indicate the simulated release of successive rockets, a rocket selector switch manually settable into a plurality of positions representative of the selected release of different groups of rockets, means for releasing said switch from its set position step-by-step in response to the operation of successive ones of said counting relays, a plurality of relays successively operable in successive positions of said switch, other lamps at said instructor's desk responsive to said latter relays to indicate the position to which said switch has been manually set, a trigger key, and means effective upon successive operations of said key and upon the successive operation of said latter relays to cause the successive operation of said counting relays.

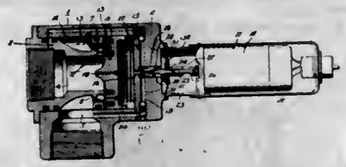
2,470,469
SEQUENCE INDICATION APPARATUS
Peter A. Bucky, Flushing, and Paul Sarason, New York, N. Y., assignors, by direct and mesne assignments, to Tell-a-Turn Corporation, New York, N. Y., a corporation of New York
Application December 8, 1945, Serial No. 633,652
1 Claim. (Cl. 177—353)

In a service system: means for indicating sequence of service, comprising a plurality of stations with customer-seating means, and an electrical circuit controlling means associated respectively with each station and independently operable, together with an indicator means visible to the occupant of the corresponding seating means and to an attendant for servicing said station; electrically-operated selector means, and independent electrical circuits between the respective circuit controlling means and selector means to advance the latter successively upon the closing of any of said circuit controlling means; means automatically controlled by the selector means to affect the indicator means of a corresponding station; and additional circuit controlling means at each indicator means and manually operable by



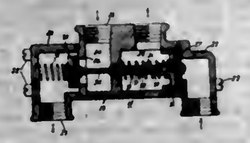
an attendant, together with independent electrical circuits respectively between the said additional circuit controlling means and the selector means to restore to normal upon said manual operation a corresponding indicator means previously affected by the closing of its first-named circuit controlling means.

2,470,470
VALVE OPERATING MECHANISM
Harry B. Carbon, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application April 10, 1945, Serial No. 587,582
3 Claims. (Cl. 137—139)



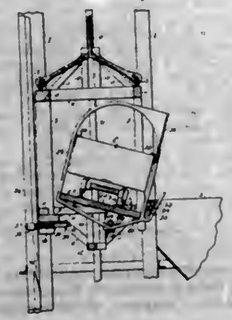
1. In a valve assembly a casing, a valve seat, a valve, a valve actuating means for moving the valve to and from its seat, said actuating means including a shaft rotatably connected to the valve, said shaft having a threaded section, a nut having a thread cooperating with the thread on the shaft, a flexible disk for supporting said nut, said threaded section being dimensioned so that when the valve is seated the nut will pass off from the threaded section on the shaft and flex the disk supporting the same said disc when flexed operating to hold said nut pressed against the threaded section for insuring engagement of the nut with the threaded section when the shaft is rotated in a reverse direction, and a reversible motor for rotating said shaft, said shaft being connected to said motor so that the shaft may move endwise with the valve toward and from its closed position.

2,470,471
DUAL CHECK VALVE
Granville E. Carleton, Beverly Farms, Mass., assignor to General Electric Company, a corporation of New York
Application February 6, 1944, Serial No. 521,543
2 Claims. (Cl. 277—3)



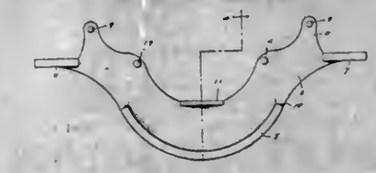
1. In a valve arrangement, the combination of a casing defining two separate passages therethrough, each passage including an inlet chamber and an outlet chamber with an opening communicating therebetween and surrounded by a valve seat, said valve seats lying in parallel planes and axially spaced, a first valve disk member adapted to sealingly engage one of said seats, a second valve member comprising a piston adapted to sealingly engage the other seat and slidably arranged in the housing for axial movement relative to the seat, separate spring means adapted to bias the valve disk and piston in the same direction against their respective seats, first and second stem members connected to said disk and piston respectively and arranged in telescopic relation with axial clearance therebetween whereby the piston may move away from its seat before the disk leaves its seat.

2,470,472
AUTOMATIC COAL DUMPING APPLIANCE
Frank E. Christopher, Morgantown, W. Va.
Application August 2, 1946, Serial No. 688,060
4 Claims. (Cl. 214—123)



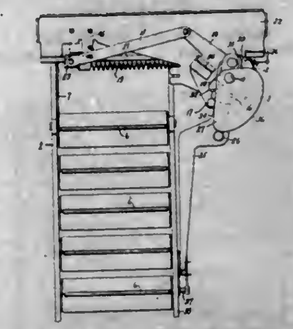
1. In a hoist-line appliance, the combination with an upright frame having an off-set guide rail, a vertically movable lift suspended in the frame, a cage pivotally mounted in the lift, and co-acting means on the cage and frame for overturning the cage, of a resiliently supported roller mounted on the lift in rolling contact with the inner side of said rail and adapted to pass through said gap for engagement with the outer side of said rail, and means for limiting the longitudinal movement of the roller mount.

2,470,473
ROCKING TOY
Raymond K. Daellenbach, Elwood City, Pa., assignor of one-half to Carl Humphrey, Grove City, Pa.
Application February 19, 1945, Serial No. 578,619
5 Claims. (Cl. 272—56)



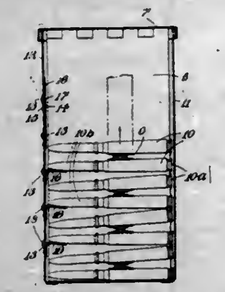
4. A rocking toy of the class described comprising a relatively wide rocker, an upstanding flange at the central portion of the rocker extending longitudinally thereof and projecting outwardly from opposite ends of the rocker, seats carried at the outer ends of the flange, and a seat supported on the upper edge of the flange at the central portion thereof and disposed below the level of the first mentioned seats, the bottom edge of the flange forming a continuation of the outer surface of the rocker and being curved in the opposite direction thereto for positioning the seats substantially beyond and only slightly above the level of the rocker ends.

2,470,474
VENDING MACHINE
Maurice F. Davis, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application January 2, 1947, Serial No. 719,749
9 Claims. (Cl. 312—92)



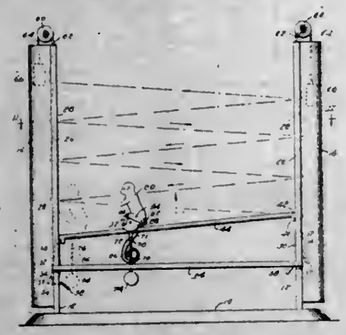
1. A vending machine comprising a reciprocably mounted pusher, a conveyor for moving a series of articles to be vended successively past said pusher, a motor, means connecting said motor to said pusher to effect movement of said pusher from a first position to a second position to eject an article from said conveyor and thereafter return said pusher to said first position, a member for advancing said conveyor to bring an article in front of said pusher, a second means movable to connect said motor to said member, and means operated by said pusher in moving to said second position for moving said second means to connect said motor to said member.

2,470,475
AMMUNITION BOX
Cecil Thomas Diaper, Bristol, England, assignor to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application September 17, 1945, Serial No. 616,833
In Great Britain September 27, 1944
1 Claim. (Cl. 89—34)



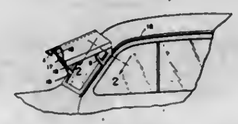
An ammunition box for belted ammunition comprising a casing to receive the ammunition belt in superposed layers, a plurality of shelves spaced one above the other within the casing, hinge means securing each shelf to the wall of the casing towards which the projectiles point and extending along said wall, and means to prevent movement of each shelf in a direction such that it supports one or more layers of belt whilst permitting freedom for the shelf to be displaced in the opposite direction by the withdrawing ammunition belt to a position against said wall.

2,470,476
TOY
Daniel C. Dozier, Norfolk, Va.
Application November 15, 1946, Serial No. 710,076
15 Claims. (Cl. 46—100)



1. A toy comprising a base, a pair of spaced upright supports at opposite ends of said base each including a pair of spaced walls forming a vertical guideway, and a generally tubular housing, vertical racks within said housings having substantially evenly spaced teeth, the teeth of one rack being staggered vertically to lie in different horizontal planes than the teeth of the other rack, a pulley mounted adjacent the top of each housing and having a flexible line extending thereover, a weight attached to one end of each of said lines for vertical movement within the associated housing, a crosshead attached to the other end of each line and including a runner slidably engaged in the associated guideway, a depending lever pivotally attached to each crosshead and including a laterally extending latch bar at its lower end successively engageable with the associated teeth and an actuating arm extending through the associated guideway, an inverted T-shape rail loosely engaged with said crossheads and extending therebetween, a carriage including a grooved wheel in rolling contact with said rail, a simulated animal figure on said carriage including articulated portions having mechanical connection with said wheel, and a counterbalance depending from said carriage and alternately engageable with said actuating arms for disengaging said latch bars from said teeth whereby said weights alternately move the corresponding ends of said rail upwardly to successively reversely inclined positions to cause said carriage to travel back and forth along said rail between said supports.

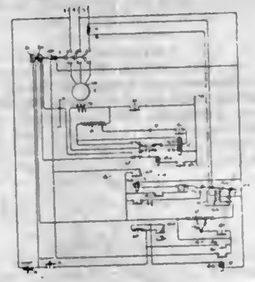
2,470,477
WINDSHIELD VISOR MOUNTING BRACKET
Frank E. Ellithorpe, Glendale, Calif., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Original application July 15, 1946, Serial No. 683,595. Divided and this application June 12, 1948, Serial No. 32,562
5 Claims. (Cl. 296—95)



1. A visor for the windshield of a vehicle having doors at opposite sides of the windshield, said visor comprising a rigid panel assemblage adapted for disposition above the windshield, a supporting bracket attached to each of the opposite ends of said assemblage, each of said brackets having an integral attaching flange reaching inwardly into the adjacent door opening and rearwardly beneath the corresponding door when closed, and attaching means coacting with the rearwardly reaching portions of said flanges and being accessible only when the adjacent doors are open.

2,470,478
SYNCHRONOUS MOTOR CONTROL SYSTEM
Samuel C. Ewing, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 11, 1948, Serial No. 32,287
2 Claims. (Cl. 318—176)

1. In combination, a synchronous motor having field and armature windings, a source of D.-C. excitation, means for connecting said field winding to said source comprising a field contactor provided with an operating coil, means for controlling said contactor comprising a field relay provided with a closing coil, a drop-out control coil, a contact for connecting said drop-out coil to the field circuit of said motor and with a contact in the coil circuit of said contactor, a starting switching device, a source of alternating voltage, a line contactor responsive to operation of said switching device for connecting said armature winding to said alternating source and provided with an interlock contact for energizing said closing coil to cause said field relay to pick up and connect said drop-out control coil to said field circuit, an auxiliary relay responsive to operation of said field relay for deenergizing said closing coil thereby to transfer control of



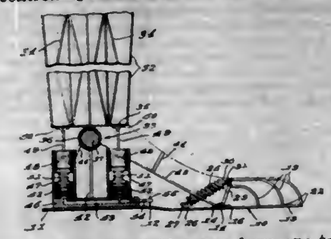
said field relay to said drop-out coil, a rectifier in circuit with said drop-out coil for supplying unidirectional current pulses to said drop-out coil to effect drop-out of said field relay in response to a predetermined duration of interval between successive impulses, and a normally closed contact on said field relay in the coil circuit of said field contactor for closing said field contactor to connect said field winding to said D.-C. source in response to drop-out of said field relay.

2,470,479
PROCESS FOR MAKING POLYSILOXANE RESINS
Charles S. Ferguson, Troy, and Charles E. Welsh, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application November 21, 1945, Serial No. 630,136
9 Claims. (Cl. 260—46.5)

6. The method of making a polysiloxane resin which comprises forming a solution of methyltrichlorosilane in a polyether solvent selected from the group consisting of bis (beta-ethoxyethyl) ether, ethylene glycol diethyl ether and mixtures thereof, adding to said solution an amount of water which is more than 25% and less than 75% of that calculated as necessary for complete hydrolysis of said trichlorosilane, the said water of hydrolysis being present in an amount equal to from 0.375 to 1.125 mols water per mol trichlorosilane, adding dimethyldichlorosilane to the partially hydrolyzed trichlorosilane and thereafter adding sufficient water to the resultant product to convert all of the chlorosilanes to polysiloxanes.

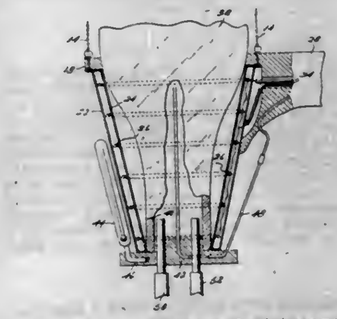
2,470,480
ARTIFICIAL FOOT
Stanley R. Fogg, Terre Haute, Ind.
Application April 23, 1946, Serial No. 664,298
9 Claims. (Cl. 3—6)

1. In an artificial limb, the combination with a lower limb portion, an ankle plate secured thereto, a sole plate pivoted at a raised point to the ankle plate, hydraulic cushioning means between the ankle plate and the heel of the sole plate in front and rear of the pivot, and means for controlling said hydraulic means, a connection



through which the fluid passes from one to the other, and means for controlling the passage of fluid through said connection.

2,470,481
FLUID HEATER
Ethelyn Freeman, Muskogee, Okla.
Application November 15, 1946, Serial No. 709,947
1 Claim. (Cl. 128—214)

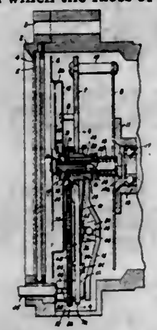


A heater for a container for intravenous fluid injections comprising a stand, spaced supporting rings for suspending the container in an inverted position from the stand, a pair of spaced heating walls having electrical heating elements carried by said supporting rings therebetween, said walls forming a base for the container, temperature controls for the heating elements, a cap for the inverted container, a vent for the container through the cap, and an injection tube extending through the cap.

2,470,482
DIRECTION INDICATOR
Samuel Gabrielson, South Lynnfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 20, 1946, Serial No. 698,129
5 Claims. (Cl. 116—129)

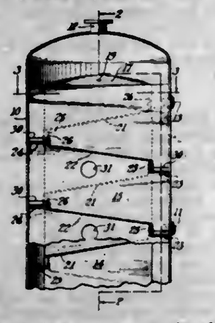
4. The combination with a direction-indicating instrument of the type having a fixed dial, a rotatable direction-responsive shaft extending through a hole in said dial from the rear and a pointer attached to said shaft in front of said dial for indicating direction on said dial, of a second course-setting pointer mounted in front of said dial on a bushing member carried on said shaft, said bushing member extending through

said hole in said dial and having extending therefrom a portion forming one face of a clutch, a hollow clutching member surrounding said bushing member and having a portion forming a mating face of said clutch, said clutching member being rotatably supported so that it is radially spaced from said bushing member and axially slidable to cause engagement of the mating faces of said clutch, means for frictionally restraining said bushing member so that it rotates with said shaft, means for biasing said clutching member to a position in which the faces of said clutch are



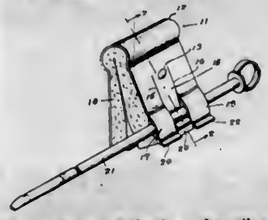
disengaged so that both of said pointers rotate with said shaft, means for axially moving said clutching member to cause engagement of the faces of said clutch and means for rotating said clutching member to adjust said second pointer relative to said shaft comprising a pinion carried by said clutching member, a rotatable gear meshing with said pinion, the width of said gear being sufficient to permit the required clutch-engaging axial movement of said pinion without unmeshing the pinion and gear and means comprising a manually rotatable shaft for rotating said gear.

2,470,483
APPARATUS FOR CONTACTING A LIQUID AND A VAPOR
Truman A. Gadwa, Mount Vernon, and David B. Flaws, New York, N. Y., assignors to The Lummus Company, New York, N. Y., a corporation of Delaware
Application May 8, 1947, Serial No. 746,658
4 Claims. (Cl. 261—113)



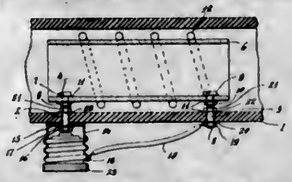
1. In a distillation column a plurality of segmental troughs, a plurality of vertical rows of transversely sloped screen decks, each of said decks extending from a trough at its upper end to a trough at its lower end and having its lower end adjacent the upper end of the screen next below but in an adjacent row and a continnous longitudinal baffle between each of said rows of sloped screen decks to restrict liquid flow to a single deck in a row, said baffle having openings adjacent the end of each deck whereby the lower end of each of said decks in one row is in direct communication with the upper end of the deck next below but in an adjacent row.

2,470,484
OIL STICK WIPER
James Gall, Jeannette, Pa.
Application June 19, 1947, Serial No. 755,625
2 Claims. (Cl. 15—210)



1. An oil stick wiper of the type described, comprising a sheet of absorbent material which is of V-form in cross-section, a holder mounted on the outer surface of said material, means for clamping said holder on said material, and clamping elements on said holder for retaining said holder on an oil stick for a motor vehicle engine.

2,470,485
ELECTRIC CIRCULATORY WATER HEATER ATTACHMENT FOR CONVENTIONAL INTERNAL-COMBUSTION ENGINES
Earl Haugland, Hampden, N. Dak.
Application May 22, 1947, Serial No. 749,836
1 Claim. (Cl. 219—38)



An electric circulatory water heater attachment for conventional internal combustion engines comprising an insulating water-and-heat-resistant open tube which fits loosely into a radiator hose; an electrical heating coil being wound upon the outer side of said tube; a threaded conductive bolt being extended from one terminal of said heating element through said hose, said tube, the center of the bottom of a screw base plug, an insulating disk and having said screw base plug secured to its end portion; another threaded conductive bolt being extended from the other terminal of said heating element through said hose and being connected by means of a wire outside of said hose to the shell of said screw base plug, and nuts on said bolts being interposed between said tube and said hose for keeping said tube in spaced relation to the inner side of said hose, all substantially as described.

2,470,486
PROCESS OF REGENERATING MAGNESIUM SILICATE ADSORBENTS
Russell J. Hawes, Cranford, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application January 14, 1947, Serial No. 722,075
7 Claims. (Cl. 252—412)

1. A method for improving the adsorbing efficiency of a magnesium silicate adsorbent which has decreased in adsorbing efficiency by having been contacted with an oil for decolorization thereof by adsorption from said oil of color-imparting bodies adsorbable by said adsorbent which comprises removing said color-imparting bodies from said adsorbent to improve the adsorbing efficiency of said adsorbent, and then subjecting said adsorbent to intimate contact with an aqueous solution containing magnesium ions to still further improve the adsorbing efficiency of said adsorbent.

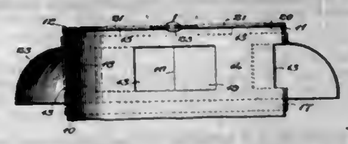
2,470,487
ADJUSTABLE ANVIL
Robert F. Hollis, Alton, Ill., assignor to Alton Box Board Company, Alton, Ill., a corporation of Delaware
Application April 13, 1944, Serial No. 530,919
2 Claims. (Cl. 93—55.1)



1. A device of the kind described comprising, a standard, a fitting adjustable vertically on said standard, a shaft extending radially from said fitting, said fitting comprising a tubular portion telescopically arranged on the standard whereby the shaft is capable of being adjusted circumferentially about the standard, an expansible anvil member mounted on said shaft, and means for expanding said anvil and maintaining the same expanded.

2,470,488
AIR FLOW CONTROL MEANS
Friedrich Honerkamp and Franz J. Kurth, New York, N. Y., assignors to Anemostat Corporation of America, New York, N. Y., a corporation of Delaware
Original application August 16, 1943, Serial No. 498,842. Divided and this application November 28, 1944, Serial No. 565,509
4 Claims. (Cl. 98—40)

1. Air flow control means comprising an air supply conduit member including side and end walls each having therein an annular row of spaced apart openings for outlet of air therefrom, and a cap member rotatably mounted on said conduit member and including side and end walls each having therein an annular row of spaced apart openings for alinement with and disalinement from the openings of the corresponding row in the side and end walls of said conduit member, respectively, by rotation of said cap member relative to said conduit member, thereby to control discharge of air from said conduit member through the sets of openings in the side and end walls thereof, respectively, and air deflector means mounted on one of said members and disposed to intercept air discharged through the



openings in the side walls of said conduit member and said cap member and to cause it to take a desired direction of flow relative to the direction of flow of air discharged through the openings in the end walls of said conduit and said cap members, said air deflector means extending around said cap member and being open at one end and closed at its other end and being secured at its closed end to the member on which it is mounted.

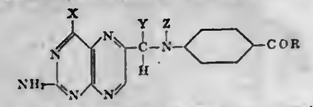
2,470,489
RIFLE ROCKET MISSILE
Nevil Monroe Hopkins, New York, N. Y.; Raymonde B. Hopkins, executrix of said Nevil Monroe Hopkins, deceased, assignor to Raymonde Briggs Hopkins, New York, N. Y.
Application June 12, 1944, Serial No. 539,906
6 Claims. (Cl. 102—49)



1. A rocket missile fashioned to be fired from a rifled gun, said rocket missile comprising an outer tubular member with rifle-engaging fins, an inner tubular member having a surface drive fit within said outer tubular member and rotated by virtue of such drive fit by said outer tubular member, a centralized plug member rigidly attached to the interior of said inner tubular member, a war-head member rigidly attached to said centralized plug member, a charge of explosive and a firing device therefor disposed in said war-head member, a rocket fuel in said inner tubular member, and a combustion chamber at the end of said inner tubular member, said chamber having a driving nozzle for the escape of the products of combustion of said rocket fuel.

2,470,490
PROCESS OF PURIFYING PTEROYLGLUTAMIC ACID AND RELATED COMPOUNDS
Brian L. Hutchings, Pearl River, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 22, 1948, Serial No. 22,720
8 Claims. (Cl. 260—251)

1. A process of separating zinc salts of compounds having the general formula



in which X is a member of the group consisting of hydrogen and —OH and —NH_2 radicals, Y and Z are members of the group consisting of hydrogen and lower alkyl radicals, and —COR an acidic radical of the group consisting of carboxy radicals and amino acid amides thereof from other pteridines which comprises the steps of preparing a solution of said compound and a soluble zinc salt at a pH within the range 10.5 to 11.2, removing insoluble matter, adjusting the pH to within the range 6.5 to 7.0 by the addition of an acidic zinc salt and recovering the insoluble zinc salt of the said compound which forms.

2,470,491
PROCESS FOR PUBIFICATION OF PTEROYLGLUTAMIC ACID
Brian L. Hutchings, Pearl River, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 12, 1946, Serial No. 715,637
6 Claims. (Cl. 260—251)

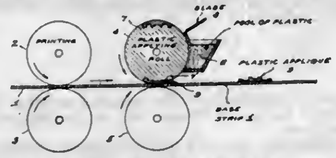
1. A process of separating the zinc salt of pteroylglutamic acid from related pterins which comprises the steps of preparing a solution of a soluble zinc salt and pteroylglutamic acid at a hydrogen ion concentration within the range pH 10.5 to pH 11.2 and separating the soluble substance from the insoluble matter, adjusting the pH of the solution to within the range 6.5 to 7.0 and separating insoluble zinc pteroylglutamate therefrom.

2,470,492
PICNIC SET
Albert W. Jenkins, New York, N. Y.
Application January 30, 1946, Serial No. 644,327
2 Claims. (Cl. 30—147)



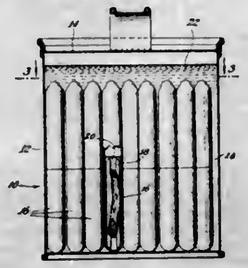
1. The herein-described implement comprising one member having a can-and-bottle-cap-opening tool at one end and having a U-shaped handle portion whose upper longitudinal flange edges are inwardly-curled, a second flat member having on its handle portion a notch which engages an inwardly bent portion of said can-opening tool when said second member is slid into the U-shaped handle portion of said first member, a third member having a flat handle portion which has a knob at one side and which is adapted to be slid into the U-shaped handle portion of said first member above said second member, and a fourth member having a curved main portion and a flat handle portion which is provided with knobs on one side and with an aperture adapted for engaging the knob on said third member when the handle of said fourth member is inserted between the third member and the inwardly curled edges of the U-shaped handle portion of said first member, said inwardly curled edges being provided with recesses adapted to engage the knobs on one side of the handle portion of said fourth member, all substantially as described.

2,470,493
METHOD OF MAKING SHELF EDGING
Edward Karfiol, Great Neck, and William A. Roehm, Rockville Centre, N. Y., assignors, by mesne assignments, to Virtu, Inc., Brooklyn, N. Y., a corporation of New York
Application November 25, 1944, Serial No. 565,154
4 Claims. (Cl. 154—97.5)



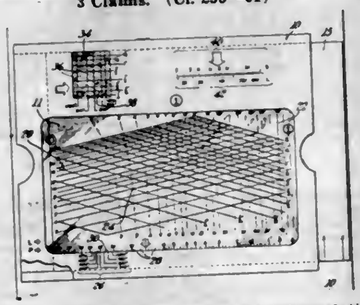
1. The herein described method which comprises: printing a design onto a surface of a base member, and then applying over at least a portion of said design a pre-formed transparent plastic applique which covers the same and registers therewith, whereby the covered portion of the printed design is visible through the thus applied transparent plastic applique.

2,470,494
SHIPPING PACKAGE OF SUTURE TUBES OR THE LIKE
Adrian B. Kennison, Plainfield, N. J., assignor to Johnson & Johnson, a corporation of New Jersey
Application July 15, 1947, Serial No. 761,064
14 Claims. (Cl. 206—63.3)



9. A shipping package of rigid but frangible hermetically sealed tubes adapted to be ruptured for removal of the contained material, whose outer surfaces are sterile, and which are ready for immediate surgical or medical use of the contained material upon the removal of the tubes from the package at shipping destination, said package comprising in combination: a hermetically sealed metal can; a plurality of such tubes vertically sustained in substantially parallel relation within said can; and a sterilizing liquid surrounding and substantially covering said tubes and filling a substantial proportion of the volume of said can, whereby said tubes are hydraulically cushioned against shock and continuously under the effective influence of the sterilizing liquid.

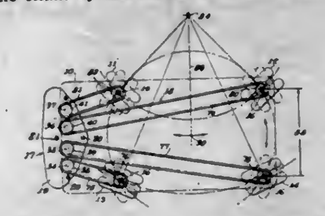
2,470,495
CALCULATOR
Harold B. Kohn, Bronx, and Morris Schneiderman, Brooklyn, N. Y.
Application September 13, 1946, Serial No. 696,862
3 Claims. (Cl. 235—61)



2. A calculator for indicating the inter-relation of factors of thickness, temperature, diameter, length and pressure of unfired pressure vessels in accordance with established formula whereby any unknown factor can be obtained when the other factors are known, which comprises an envelope having a face formed to provide a first transparent portion with a grid of crossing lines, one family of which represents thickness and the other of which represents diameter, and a correlated logarithmic temperature scale, and a second transparent portion having a grid of crossing lines representing thickness and temperature, said face being also provided with a length to diameter ratio scale; and a slide member relatively movable in said envelope, said slide member having on the side adjacent the transparent portions of the face of said envelope a family of curves representing length indexable with the grid of thickness and diameter lines, a correlated logarithmic pressure scale indexable with the temperature scale, and a system of lines representing diameter concurrently indexable with the grid of thickness and temperature, whereby limitations imposed by formula on the solution obtained by use of the first transparent portion will be indicated at the second transparent portion, the back of said envelope and the side of said slide adjacent thereto being formed to provide relatively movable cooperating scales of thickness and diameter, two separate relatively movable sets of cooperating scales of pressure and temperature, all of said scales being concurrently indexable and the selection of a set of pressure and temperature scales being governed by indications read on the grid of the second transparent portion and the length to diameter ratio scale.

2,470,496
WHEEL STEERING MECHANISM
Stephen Krilanovich, North Hollywood, Calif.
Application September 22, 1947, Serial No. 775,424
7 Claims. (Cl. 280—91)

5. A transmission for steering the four wheels of a vehicle comprising at least two shafts; a sprocket wheel on each shaft; a steering post, a sprocket wheel thereon; a cam on the steering post; a pair of sprocket wheels mounted for opposed movement under control of said cam; a second cam on said steering post; and a sprocket wheel mounted for movement transverse to the movement of the sprocket wheels controlled by the first cam; said sprocket wheels all being coplanar; a chain trained about the sprocket wheels whereby they all rotate in unison upon manual rotation of the steering post; and whereby the mentioned opposed movement of said pair of sprocket wheels effects a greater distance of travel of that portion of the chain engaged with the sprocket wheel of one of said shafts, with a corresponding greater angular travel of the latter sprocket wheel and its shaft, than is imparted to the chain by the mentioned manual rotation



of the steering post and its sprocket wheel; and whereby the transversely movable sprocket wheel, under control of the second cam, moves to effect a shortening of that portion of the chain extending between the sprocket wheel having the greater angular travel and the sprocket wheel on the other shaft to reduce the travel of that portion of the chain engaged with the latter sprocket wheel, with a corresponding lesser angular travel in the same direction of said latter sprocket wheel and its shaft; a second pair of shafts; gearing connecting the latter and the first-mentioned shafts for rotating the second pair of shafts in a direction opposite to that of the first-mentioned shafts; a vertically disposed horizontal pivot for each wheel; and chain and sprocket means operatively connecting the four mentioned shafts and each respective wheel pivot.

2,470,497
PREPARATION OF POLYSILOXANE RESINS
Harry F. Lamoreaux, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application November 21, 1945, Serial No. 630,134
10 Claims. (Cl. 260—46.5)

1. The method of hydrolyzing a mixture of chlorosilanes containing a major portion of methylchlorosilanes, methyltrichlorosilane forming a major portion of the methylchlorosilane component of said mixture, the said mixture having a monovalent hydrocarbon-to-silicon ratio greater than 1.0 and less than 1.5, which method comprises slowly adding said chlorosilane mixture to a hydrolysis medium comprising a mixture of water in excess of that necessary for complete hydrolysis of said chlorosilane mixture, a high-boiling hydrocarbon solvent, and a solvent selected from the class consisting of dioxane, bis-(beta-ethoxyethyl) ether and ethylene glycol diethyl ether, and maintaining said hydrolysis medium at a temperature above room temperature but not exceeding the boiling point of water during at least a major portion of the hydrolysis period.

2,470,498
DEVICE FOR MEASURING THE THICKNESS OF WALLS OR THE LIKE, SUBJECT TO EROSION
Howard Y. Lankford, Gary, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application October 21, 1946, Serial No. 704,645
5 Claims. (Cl. 33—143)



1. A thickness-measuring device for walls or the like comprising a tube having one end adapted to be inserted through an opening in a wall, a slide rod extending into the other end of said tube, a detent pivoted on said rod within said tube, said tube having a slot adjacent said one end permitting tilting of the detent to a position transverse to the rod in which it is engageable with the inner edge of said opening and a gauge rod slidable on said tube having a portion adapted to engage the exterior of the wall.

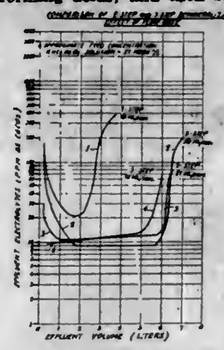
2,470,499
PIPE FITTING
Chester A. Lapp, Cleveland, Ohio
Application April 19, 1947, Serial No. 742,609
10 Claims. (Cl. 285—210)



1. A pipe fitting comprising a tubular body formed from a pressed sheet metal blank, the walls of the abutting edges of the formed blank defining a seam, perforate cups on the ends of said tubular body and a strip overlying the portion of the seam intermediate the cups.

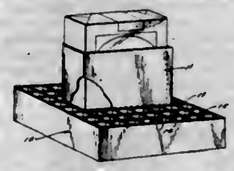
2,470,500
DEMINERALIZING
Franklin I. Latimer Lawrence, Bradford, Pa., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
Application August 25, 1945, Serial No. 612,704
4 Claims. (Cl. 99—1)

1. The process of removing electrolytes from an acidic solution containing salts which comprises bringing the solution first in contact with an anion exchanger to remove acids from the solution; thereafter bringing the solution in contact with a cation exchanger to remove metallic cations present and to replace them with hydrogen ions forming acids; and then bringing the



solution in contact with an anion exchanger to remove acids formed in the solution during the cation exchange reaction.

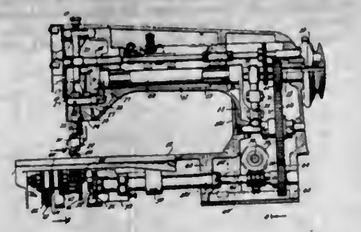
2,470,501
ASH TRAY
James Leaman, New York, N. Y.
Application March 26, 1945, Serial No. 584,834
1 Claim. (Cl. 131—235)



A tray of the class described comprising a substantially rectangular shallow container, and a filler removably fitted therein and comprising strips arranged in crossed right angular relation to form parallel rows of upright cells of a size to snugly receive one end of a cigarette, and a sheath of rectangular form adapted to contain a package of cigarettes and having slots in one end straddling said strips whereby said sheath is frictionally interlocked with the strips in upstanding position, said sheath extending above said cells a distance sufficient to hold a package of cigarettes therein seated on said strips and extending part way out of said sheath.

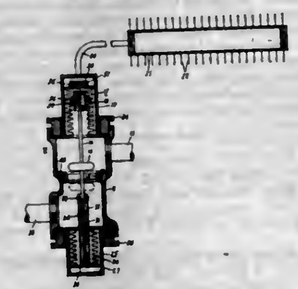
2,470,502
SEWING MACHINE
Harold J. Le Vesconte, Glendale, Calif., and Oscar Quist, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application October 20, 1945, Serial No. 623,536
7 Claims. (Cl. 112—214)

1. In a sewing machine, a frame having a base, a vertical standard and an overhanging arm, said base and standard combining to provide a lubricant retaining housing, a power receiving shaft extending into said housing, a continuously driven work feeding wheel mounted in said base, an operating shaft for said wheel which extends into said housing, and reduction gearing within said housing for interconnecting said power receiving shaft and said operating shaft, said gearing being arranged to disperse lubricant within said housing to lubricate the relatively



moving surfaces therein including all of the gearing connecting said power receiving shaft with said operating shaft.

2,470,503
AUTOMATIC INVERSE MODULATION VALVE
Samuel J. Levine, West Orange, N. J., assignor to General Electric Company, a corporation of New York
Application September 7, 1946, Serial No. 695,535
8 Claims. (Cl. 236—1)



2. An automatic inverse modulation valve having an inlet and an outlet and having in combination relatively movable through-throw valvular members having a relatively closed position intermediate a pair of open positions for controlling the flow of fluid from said inlet to said outlet, and a pair of condition responsive devices, one having connections for effecting relative movement of said members each way between said pair of open positions, and the other having connections for preventing said relative movement between said relatively closed position and one of said open positions.

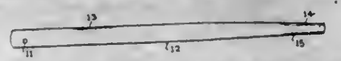
2,470,504
CONDENSING FATTY ACID HALIDES WITH AROMATIC ACID HALIDES
Eugene Lieber, New York, N. Y., and Aloysius F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 22, 1945, Serial No. 612,121
4 Claims. (Cl. 260—590)

1. The process which comprises condensing ½ to 5 mols of a fatty acid halide having the general formula RCOCl in which R represents an aliphatic hydrocarbon group having more than 10 carbon atoms, with 1 mol of an aromatic acid halide having the general formula ArCOCl, in which Ar represents an aromatic hydrocarbon nucleus, using a reaction temperature of about 400° to 700° F., and recovering from the reaction mixture a product having an average molecular weight of at least 700.

2,470,505
SLOW SETTING CEMENT AND PROCESS OF MAKING THE SAME
Norman C. Ludwig, Chicago, Ill., assignor to Universal Atlas Cement Company, a corporation of Indiana
No Drawing. Application June 28, 1946, Serial No. 680,091
7 Claims. (Cl. 106—92)

1. A cement composition for cementing oil wells having all of the characteristic properties of Portland cement except for a retarded setting rate that is substantially equal for temperatures within a range of between approximately 140 degrees F. and approximately 200 degrees F., the said composition consisting principally of Portland cement and an effective quantity of a retarding agent for retarding the stiffening rate of the said cement at the said temperatures, the retarding agent being composed of maleic acid and modified starch, the maleic acid and starch being proportioned to effect approximately equal stiffening times for the cement composition at elevated temperatures within the said range.

2,470,506
PICKER STICK
Carl Brynolf Lundstrom, Little Falls, N. Y.
Application October 19, 1948, Serial No. 55,400
6 Claims. (Cl. 139—157)

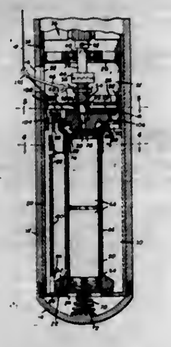


1. A wooden picker stick for use in looms, said stick having integral portions in which wood fibers, in number materially exceeding the number characteristic of a similar cross sectional area of untreated wood, are present, are bonded together in a transversely compressed state and afford localized densified portions to resist wear and impact, said densified portions being so limited as to location and transverse extent that the picker stick has throughout substantially its entire length a zone in which the wood is not densified.

2,470,507
ELECTRIC FISHING REEL
Dempsey A. Luton and Karl M. Johnson, Jackson, Wyo.
Application January 13, 1947, Serial No. 721,784
6 Claims. (Cl. 242—84.4)

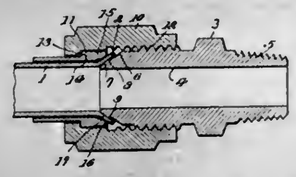
1. A unitary, power driven reel assembly, for fishing rods, comprising: a casing, an axially apertured closure at one end of said casing, a first and second partition axially spaced and intermediately disposed in said casing and forming a reel chamber, a motor chamber and an intermediate chamber, an axially extending reel rotatably mounted in said reel chamber, an electric motor axially positioned in said motor chamber, a drive shaft and clutch connected with said motor and mounted in said intermediate chamber and gearing means in said reel cham-

ber connecting said drive shaft and said reel, said reel having an axial bore, dry cell batteries in



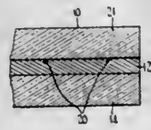
said axial bore and circuit means operably connecting said batteries and said motor.

2,470,508
COUPLING FOR TUBES
Walter Maky, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application September 22, 1944, Serial No. 555,327
1 Claim. (Cl. 285—86)



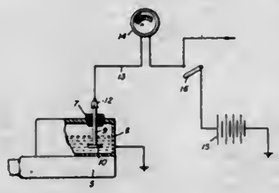
A coupling for metal tubes having the ends thereof flared comprising coupling members having a threaded connection, one of said members having a seat against which the flared end of the tube is clamped, said seat having an inner conical portion and an outer conical portion substantially parallel thereto which is offset inwardly of the inner conical portion so as to provide a shoulder therebetween so that the inner portion of the flared end of the tube contacts initially with said inner conical portion of the seat, the other coupling member having associated therewith a clamping head provided with an outer conical portion disposed radially outwardly from said shoulder so as to initially engage the outer face of the flared end of the tube in the region opposed to the outer conical portion on the seat so that the end of the tube will be bent over said shoulder into intimate contact with said outer conical portion of the seat when the coupling is closed, said head having an inner conical surface initially out of contact with the flared end of the tube and adapted to clamp the flared end of the tube against the inner conical portion on the seat when said coupling is closed.

2,470,509
METHOD OF MAKING HEATED WINDOW GLASS
Herman R. Marini, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application May 2, 1945, Serial No. 591,556
7 Claims. (Cl. 154—2.81)



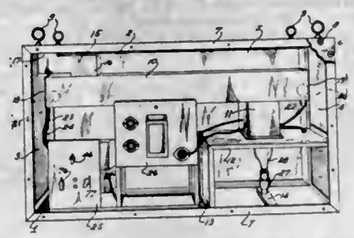
1. In a method of making a laminated defrosting unit including glass plates bonded upon opposite sides of an adherent plastic interlayer; the steps which comprise applying an interlayer of adhesive plastic material on one side of a glass plate, applying a second glass plate in superposed relation upon the exposed side of the interlayer with an interposed non-adhesive medium to prevent the second plate from adhering to the interlayer, applying heat and pressure to the assembly thus formed until the plastic is pressed and molded to the final shape of the interlayer, subsequently removing the second plate and non-adhesive medium from the interlayer, applying wires to the exposed molded surface of the interlayer, applying a glass plate to the molded interlayer in contact with the wires and bonding the elements thus assembled under the action of heat and pressure to form a composite laminated unit.

2,470,510
LIQUID LEVEL GAUGE
Nathan Ross Matson and Leo A. Milewski, Glendale, Calif., assignors of thirty-three and one-third per cent to Albert Earl Hedrick, Glendale, Calif.
Application June 20, 1947, Serial No. 755,818
1 Claim. (Cl. 73—304)



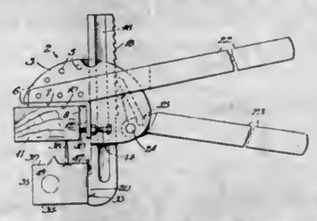
A liquid level gauge comprising a chamber containing fluid included in a circuit with a gauge instrument, an insulation sleeve in the top of the chamber, and an electrode slidable in the sleeve and frictionally held in vertically adjusted position, said electrode having its upper end connected in said circuit, said electrode having a flange at its lower end immersed in the liquid to provide a variable resistance in the circuit in accordance with variations of the level of the liquid, said gauge instrument being responsive to such variations to indicate the level of the liquid.

2,470,511
DETECTION OF IMPURITIES
Rex D. McDill, Cleveland Heights, Ohio, assignor to James B. Shaver, University Heights, Ohio
Application July 12, 1944, Serial No. 544,562
3 Claims. (Cl. 98—1)



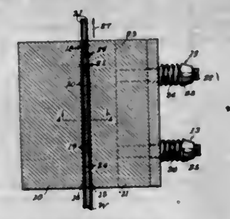
1. Measuring apparatus comprising a casing, a horizontal extending conduit therein for sampling air to be conditioned in an enclosure, removable light-tight closures at the ends of said conduit, a source of light within said conduit adjacent one of said closures, a light sensitive element within said conduit and an air sample therein and adjacent the other said closures, a depending inlet conduit communicating with said first mentioned conduit, an upwardly extending exhaust conduit communicating with said first mentioned conduit adjacent its other end and having a plurality of offsets, the inlet and outlet conduits communicating with the first mentioned conduit between the source of light and the light sensitive element, a heating device positioned below the lower end of the inlet conduit, electrical amplifying apparatus within the casing and responsive to said light sensitive element and arranged to operate a relay, a source of current controlled by the relay, and electrically operated air conditioning apparatus for said enclosure operated by said current and controlled by the relay.

2,470,512
ELECTRICAL OUTLET BOX ATTACHING TOOL
Sidney A. Moore, Phoenix, Ariz.
Application June 13, 1947, Serial No. 754,492
6 Claims. (Cl. 1—47)



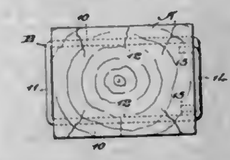
1. A tool for attaching outlet boxes to wall frame members comprising a plate-shaped body having a jaw thereon with a pressure plate thereon, a location and depth gauging plate in right angular relation thereto, a movable jaw having a box holding pressure plate with spring elements adapted to retain an outlet box thereon, and a slide operating in said frame so as to move said box toward said pressure plate on said body jaw in parallel relation therewith and means for forcing said movable jaw and box holding pressure plate toward said pressure plate on said frame jaw including a hand lever on said body, having a pawl, and a ratchet operated thereby on said movable jaw slide.

2,470,513
FILM GAUGE
Clarence W. Morse, Santa Monica, Calif., and Hans Christian Deichert, Youngstown, Ohio; said Deichert assignor to said Morse
Application December 7, 1946, Serial No. 714,762
2 Claims. (Cl. 91—53)



1. A liquid coating thickness controlling device for webs comprising a pair of relatively yieldingly movable blocks, raised rib means on the operative face of each block engaged with the opposed faces of the web to locate the same, and means on at least one of said block faces as a coated web is passed between the blocks for dividing the coating of the web into spaced strips of one thickness, then gradually spreading said strips of coating and simultaneously gradually thinning the same and then connecting the strips to form a uniformly spread coating thinner than the thickness of the strips, and having a cross-sectional area substantially equal to the sum of the cross-sectional areas of the spaced strips of coating.

2,470,514
ANTISPLITTING MEANS FOR ARTICLES OF TIMBER
George W. Muller, Miami, Fla.
Application September 6, 1946, Serial No. 695,262
2 Claims. (Cl. 20—0.5)

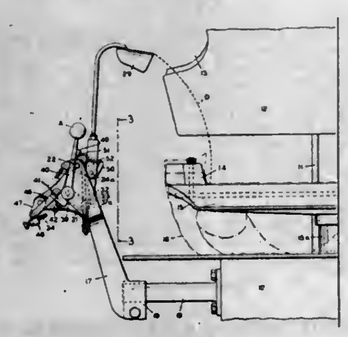


2. An article of timber having a pair of holes bored therein and extending therethrough adjacent to an end and adjacent to two opposite surfaces thereof, respectively, a rod of U shape including a pair of legs extending through said holes and a bight portion connecting said legs together and disposed against one of two other opposite surfaces of said article, the free end portions of said legs being bent toward and into overlapping relationship to each other against the other of said last mentioned surfaces and having their terminals inturned and driven into said article, whereby the end portion of the article is held against splitting longitudinally and spreading transversely in any direction.

2,470,515
PLASTICIZED PROLAMINES
Latimer D. Myers and J. D. Fitzpatrick, Cincinnati, Ohio, assignors to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application July 5, 1946, Serial No. 681,598
5 Claims. (Cl. 106—153)

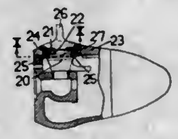
1. A composition of matter consisting essentially of zein plasticized with mixed products resulting from the heating of a higher unsaturated aliphatic nitrile with a chromic acid oxidizing solution for a sufficient time to cause cleavage of the double bond of a substantial portion of the unsaturated nitrile, the said mixed product being present in the zein in quantity sufficient to plasticize said composition.

2,470,516
AUTOMATIC RELEASE COLLAR CLAMP
Edmund N. Neckel, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application July 3, 1947, Serial No. 758,863
3 Claims. (Cl. 38—13)



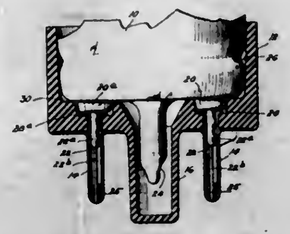
2. A shirt pressing machine of the character described, comprising a stationary frame, cooperating relatively movable head and bed members movably mounted thereon, the head being movable downwardly from open to safe closed position to close the press and the bed being movable upwardly against the closed head to apply final heavy pressure to the work, a neck band supporting block mounted upon the bed, and releasable means for clamping the neck band thereto, comprising an arm pivotally mounted upon the frame and carrying a clamp adapted for embracing and clamping relation with a neck band on said block, means normally biasing said arm toward clamp open position, and manually operated mechanism for turning said arm in one direction to advance the clamp to clamping relation with the block, said mechanism including yieldable over center toggle mechanism having a knuckle movable across dead center to a holding position as the clamp is advanced to clamping position, said toggle mechanism being so arranged that as the bed rises to apply final pressure to the work consequent rising motion of the clamp with the bed retracts said arm and returns the toggle knuckle across dead center to a position in which the arm is subjected to its bias means and is thereby returned to clamp open position.

2,470,517
VARIABLE-PITCH PROPELLER
Heinrich Obrist, Zurich, Switzerland, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft, Zurich, Switzerland, a corporation of Switzerland
Application March 27, 1945, Serial No. 585,039
In Switzerland April 27, 1944
2 Claims. (Cl. 170—160.24)



1. In a variable pitch propeller, the combination of a hollow hub having its peripheral portion constructed as a continuous un-split shell, said hub having near its axis a plurality of radially disposed bearings one for each blade root and a plurality of generally circular apertures in said peripheral portion and respectively centered on the axes of corresponding radially disposed bearings, each aperture having opposed notches for the passage of bayonet locking lugs; a plurality of blades each having a root, each of said roots having at its inner end a trunnion adapted to work in a corresponding radially disposed bearing and having near its outer end a journal the diameter of which is slightly less than that of a corresponding one of said apertures, each root having between said journal and trunnion an integral arm radial to the axis of the root; bayonet locking lugs sustained by respective roots against relative axial displacement at least in the direction toward the trunnion end thereof, said lugs having connection with and projecting radially outward beyond the journal adjacent the inward end thereof, said lugs being dimensioned to enter said shell through said notches and engage the inner surface of the shell; and bearing-forming means interposed between each journal and the surrounding portion of said shell.

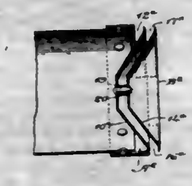
2,470,518
BASING OF RADIO TUBES AND THE LIKE
Mark J. Orr, Emporium, Pa., assignor to Sylvania Electric Products, Inc., a corporation of Massachusetts
Application November 20, 1946, Serial No. 711,106
6 Claims. (Cl. 250—27.5)



1. A radio tube comprising a glass envelope having a generally flat end, a plurality of metal leads extending through said flat end, a glass

collar surrounding each of of said leads and integral with said end, a base of insulating material having a series of cavities slightly larger than said collars and arranged to receive the collars, and an upstanding tubular portion adapted to receive said glass envelope, a plurality of metal tubes secured to said base, one tube in each of at least several of said cavities and projecting from the opposite surface of the base, the bore of said tubes being larger than the maximum diameter of said leads, said leads being secured to said tubes at their ends remote from the end of said envelope, one of said collars being larger than others and one of said cavities being larger than others to assure unique orientation of the base with respect to the envelope, and a central projection from said base having a circularly asymmetrical orientation portion.

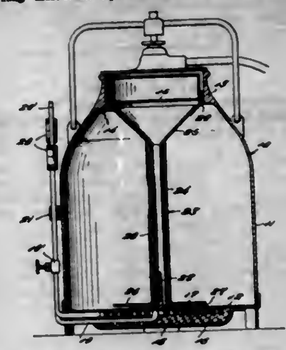
2,470,519
NOZZLE
Arthur S. Peterson and Carl K. Johnson, Elmwood, Conn., assignors to Anemostat Corporation of America, New York, N. Y., a corporation of Delaware
Application September 13, 1946, Serial No. 696,692
10 Claims. (Cl. 299—142)



1. A nozzle comprising a tubular element open at its rear end for supply of air thereto and including an end wall closing its front end, said tubular element including a side wall having therein a discharge opening for egress of air from said element, a second end wall disposed in front of and spaced from said first mentioned end wall, and a pair of side walls between said end walls at the peripheries of the latter, said pair of side walls being disposed in spaced apart relation to each other circumferentially of the nozzle to provide an air inlet opening and an air outlet opening for the space between said end walls, said inlet opening being disposed outside of planes which radiate from the axis of said tubular element and which define the angular limits of said discharge opening, and said outlet opening being disposed at least in part between said planes.

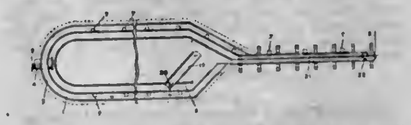
2,470,520
REFRIGERATED MILKER PAIL
Theophil J. Pfetcher, Norwalk, Wis.
Application August 8, 1946, Serial No. 689,307
4 Claims. (Cl. 31—4)

1. A refrigerated milker pail which includes a receptacle adapted to receive fresh warm milk from a supply source, means on the receptacle to refrigerate an area thereof, a tube extending into the receptacle into which fresh warm milk is delivered from the source, a spreader carried by the tube adjacent the discharge end thereof, said spreader being of an area substantially equal to the refrigerated area and feet on the spreader resting on the refrigerated area to space the spreader a small distance from the refrigerated area to create a restricted passage in which the inflowing milk is spread into a thin layer over



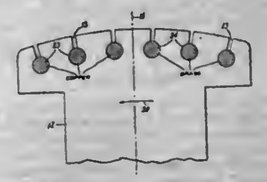
the refrigerated area and becomes chilled before it enters the receptacle around the tube.

2,470,521
CURRENT CONVEYER
Everett W. Preble, Anson, Maine
Application September 21, 1945, Serial No. 617,869
1 Claim. (Cl. 302—14)



A log conveyer comprising an elongated pool having a wall with a plurality of spaced recesses, a casing mounted in each of the recesses and having a vent, a grating covering the vent, a propeller assembly mounted in the casing, and a conveyer passage extending from the pool, said propeller assemblies and the forward walls of the recesses being inclined toward the passage.

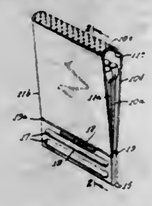
2,470,522
DAMPER WINDING FOR DYNAMOELECTRIC MACHINES
Andrew W. Rankin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 7, 1947, Serial No. 767,155
5 Claims. (Cl. 171—252)



1. A dynamoelectric machine having salient pole pieces of magnetic material with winding slots therein, and a damper winding in said slots, said winding having reactance-resistance ratio characteristic in the leading half of each pole

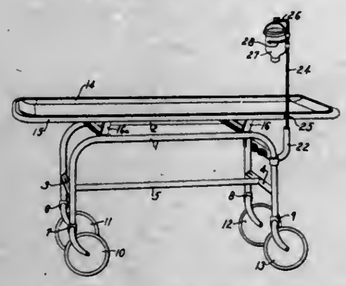
piece which, when measured at standstill, is unsymmetric with respect to the reactance-resistance ratio characteristic of said winding in the trailing half of each pole piece.

2,470,523
MATCH BOOK
Giuseppe Russo, New York, N. Y.
Application November 15, 1944, Serial No. 563,471
2 Claims. (Cl. 206—29)



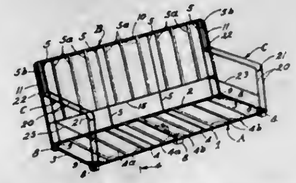
1. A match book comprising a strip of book matches having striking heads and a paper cover therefor, said cover having protective side portions on opposite sides of said strip secured to the base thereof, and free opposed ends adjacent to said striking heads, and preformed complementally reversely curved overlapping and interfitting stiffened portions on said free ends for retaining said portions in protective relation to said striking heads, one of said curved portions being shorter than the other curved portion to permit the curved portions to be pressed into interfitting relation by pressure applied to said side portions.

2,470,524
INTRAVENOUS STAND ATTACHMENT FOR WHEEL STRETCHERS
Eliot R. Scudder, Palmer, Mass., assignor to Jarvis & Jarvis, Inc., Palmer, Mass., a corporation of Massachusetts
Application July 13, 1946, Serial No. 683,574
1 Claim. (Cl. 311—10)



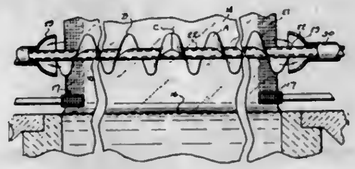
In a wheel supported stretcher having a lower chassis with vertical supports and an upper bed frame supported thereon, said bed frame having a peripheral guard rim positioned laterally beyond the vertical planes which encompass said chassis, means for suspending a jar of intravenous fluid over and above said bed frame comprising a bracket detachably secured to said chassis beneath said bed frame, said bracket having a pair of telescoping bars with clamp portions adjacent their outer ends for engaging vertical supports of said chassis and screw adjusting means at the inner ends of the bars to draw the same together in clamping engagement with said chassis, with the outer end of a bar extending beyond its clamp portion and being upwardly turned to lie in substantially vertical alignment with the edge of said peripheral guard rim, and a vertical stem rising from said vertically disposed outer bar end and extending within the peripheral guard rim of said bed frame to a point above said bed frame, said stem having at its upper end a hook member projecting inwardly over said bed frame for the suspension of said jar.

2,470,525
COUCH FRAME
Frank J. Schultheis, Lakewood, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application April 21, 1945, Serial No. 589,631
3 Claims. (Cl. 155—194)



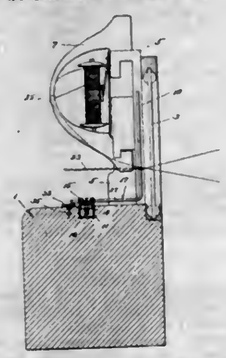
1. A metal furniture frame comprising rectangular, tubular, metal base and back frames having one side in common and defining an included obtuse angle, tubular braces connecting the sides of said back frame between its ends, tubular arm frames comprising inner and outer parallel tubes connected to and extending up from the front corners of the base frame and connected to the back between its sides, and brace tubes connecting the upwardly extending parts of the inner arm tubes to tubes of the back frame.

2,470,526
APPARATUS FOR DRAWING SHEET GLASS
Donald E. Sharp, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 8, 1944, Serial No. 566,857
9 Claims. (Cl. 49—17)



1. Apparatus for producing sheet glass comprising a receptacle adapted to be continuously supplied with a pool of molten glass, means for drawing a sheet upwardly from said pool, and rotary air flow devices positioned transversely of the sheet in its zone of formation, said devices being positively driven and having pitched blades for inducing a flow of air laterally of the sheet in both directions from the center thereof toward both edges.

2,470,527
WEFT DETECTOR
Samuel F. Siciliano, Westerly, R. I., assignor to George C. Moore Company, Westerly, R. I., a corporation of Rhode Island
Application December 6, 1945, Serial No. 633,069
20 Claims. (Cl. 139—370)



1. In a narrow fabric loom having a lay and a plurality of reeds and shuttles thereon, in combination, a weft feeler adjacent each of a plurality of reeds and positioned by engagement with a weft thread extending from a shuttle to the fabric being woven by the latter, and means calling a change in the action of the loom when any of the feelers fails to be positioned by a weft thread as the lay beats up.

2,470,528
MOUNTING BRACKET ASSEMBLY FOR CUP DISPENSERS
Clark D. Sims, Elmhurst, Ill., assignor to Lily-Tulip Cup Corporation, a corporation of Delaware
Application April 30, 1947, Serial No. 745,009
4 Claims. (Cl. 248—293)

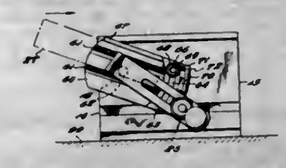


1. A mounting bracket assembly for mounting a dispenser for paper cups in a recess comprising, a bracket secured in the recess, a bracket secured to the dispenser, a pivotal connection between the brackets for swinging the upper end of the dispenser out of the recess to permit filling thereof, inter-engaging parts on the brackets for retaining the upper end of the dispenser in the recess, and cam means on the brackets for securely holding the inter-engaging parts on the brackets together.

2,470,529
PESTICIDAL COMPOSITION OF POLYETHYLENE POLYSULFIDE AND NICOTINE SULFATE
William D. Stewart, Yonkers, N. Y., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 13, 1945, Serial No. 599,317
1 Claim. (Cl. 167—24)

A composition capable of protecting plant life from destruction by fungi and insects comprising an aqueous dispersion containing a polymeric ethylene polysulfide having a polymer particle size of 1 to 3 microns and having a sulfur content of 80 to 85%, and nicotine sulfate.

2,470,530
GRINDING BLOCK ARRANGEMENT
Joseph M. Stryhal, Miami, Fla.
Application May 28, 1946, Serial No. 672,731
3 Claims. (Cl. 51—217)

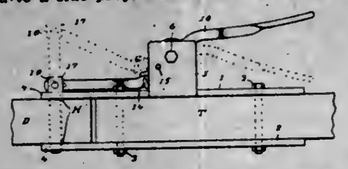


3. In a grinding block arrangement for holding work pieces and tools during the grinding operation, a prismatic block, provided with at least one T-shaped groove running in substantial parallelism to the edges of the prismatic block and further provided with holes and an adjustable clamping device provided with a clamping arm, a counter plate in contact with said arm, a clamping bolt slidable in said T-shaped groove and adapted to press said clamping arm against said work piece, and a counter pressure bolt fixed in said counter plate and pressing against said block, a swivel block provided with grooves and stops for aligning the work piece in a fixed direction on said block and further provided with a pivot, adapted to fit in one of the holes of the grinding block, an arcuate slot, a graduation scale in parallelism with said slot, a fixation means for the swivel block fixed in the grinding block and passing through the arcuate slot, adapted to fix said swivel block at the desired angle, said clamping device holding the work piece when aligned on said swivel plate.

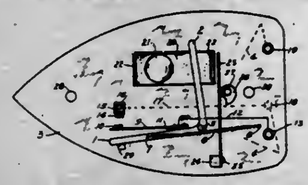
2,470,531
WAGON TONGUE HITCH
Richard Warren Suhl, Sullivan, and Elmer C. Marxmiller, Arthur, Ill.
Application October 2, 1946, Serial No. 700,760
1 Claim. (Cl. 280—33.15)

A quick detachable tongue hitch comprising top and bottom plates adapted to be fitted respectively on the top and bottom of the tongue and to extend forwardly beyond the end thereof, the forward ends of said plates having holes and

adapted to receive between them a draw bar having a hole therein, said top plate having projections extending upwardly from the sides thereof, a sleeve extended between the projections, means for securing the sleeve to the projections, a hand lever pivoted intermediate its length on said sleeve, said lever being bent to have its intermediate portion offset from its ends and to lie at the opposite side of the sleeve and adjacent one of the projections, and a coiled spring anchored to the lever at one end of the spring and to a side projection of the plate at the opposite end of the spring, said spring surrounding the sleeve and being extended over substantially the full length thereof, and a hitch pin secured to one end of the lever for alignment with the holes of the plate and with the hole of the draw bar, said spring being biased to hold the hitch pin in place, said lever being bent to form a compound curve in a vertical plane so that its forward portion when the lever is down and the hitch pin in place will lie parallel to and square with the top face of the top plate, said sleeve having an annular flange at one end and said spring urging the lever against said annular flange.



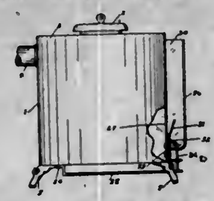
2,470,532
ELECTRIC IRON WITH THERMOKINETIC SWITCH
Albert G. Thomas, Lynchburg, Va.
Application August 14, 1943, Serial No. 498,621
8 Claims. (Cl. 219—25)



1. An electric iron comprising, an ironing element, a heating element therefor, a handle, a switch for opening and closing a circuit including said heating element, snap-acting spring-operated means for holding said switch closed or open, an iron-motion-responsive weight for moving the snap-acting means to close said switch, and time-delay means for moving the snap-acting means to open said switch.

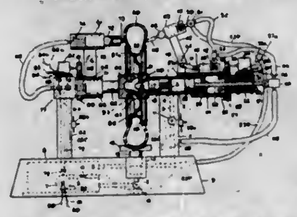
2,470,533
AUTOMATIC STOVE
Albert G. Thomas, Alexandria, Va.
Application March 7, 1945, Serial No. 581,361
3 Claims. (Cl. 236—93)

1. In a stove, an air duct connected with an opening in a wall of said stove, a flap valve for said opening pivoted to said stove adjacent the lower part of said valve, an arm extending from said valve and tending by means of its weight to assist in moving said valve in a direction away from said opening, a substantially vertically movable element adapted when lifted to strike said arm to move said valve in a direction toward said opening, and an elongated bimetal element attached adjacent one end thereof to said stove beneath a bottom surface thereof, said vertically



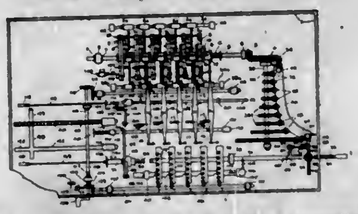
movable element being associated with said bimetal element adjacent the other end thereof to cause movement of said valve toward said opening upon rise of temperature of said bimetal element.

2,470,534
CIRCUMFERENTIALLY TRAVELING TYPE POWER-OPERATED TIRE MOUNTING AND REMOVING DEVICE
Albert G. Thomas, Alexandria, Va.
Application April 26, 1945, Serial No. 590,495
7 Claims. (Cl. 157—1.24)



1. In a tire handling device, means for holding a wheel carrying said tire, a first cylinder coaxial with said wheel, a first piston movable in said cylinder, a sleeve rotatable and slidable on said cylinder, means connecting said piston and sleeve, a second cylinder carried by said sleeve, a second piston movable in said second cylinder, a tire-removing element attached to said second piston, means for rotating said sleeve around said first cylinder, and means for producing fluid pressure in said cylinders to actuate said pistons.

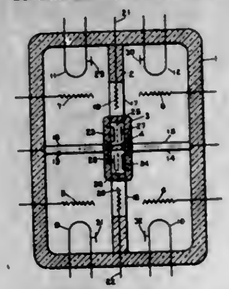
2,470,535
CALCULATING MACHINE
Albert G. Thomas, Lynchburg, Va.
Application September 3, 1946, Serial No. 694,627
16 Claims. (Cl. 235—61)



1. A calculating machine including computing mechanism comprising a plurality of numeral

wheels, a numeral wheel shaft on which said wheels are mounted, a gear carrying shaft geared to said numeral wheel shaft, said gear carrying shaft having thereon a series of gears the diameters of which increase in one direction in geometrical ratio, and a depressible multiplier key controlling each gear of said series.

2,470,536
ELECTRONIC SWITCH
Albert G. Thomas, Lynchburg, Va.
Original application January 18, 1945, Serial No. 573,366. Divided and this application October 31, 1947, Serial No. 783,295
13 Claims. (Cl. 250—27.5)



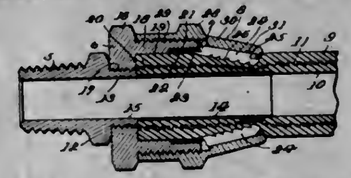
1. An electron discharge device comprising, an envelope, a cathode adjacent one end of said envelope, another cathode adjacent the opposite end of said envelope, anode means forming a partition intermediate said cathodes, and control means intermediate said cathodes and said anode means.

2,470,537
MINERAL OIL COMPOSITIONS
Stanley P. Waugh, Westfield, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application June 26, 1947, Serial No. 757,325
7 Claims. (Cl. 252—56)

1. A lubricating composition suitable for use under aqueous conditions and characterized by forming upon admixture with water a water-in-oil emulsion having lubricating properties which comprises a mineral oil in major proportional amount having dissolved therein (a) at least about 1% but less than about 15% by weight of a blown semi-drying fatty oil and (b) about 0.05 to about 1.0% by weight of (1) a hexitol anhydride partially esterified with a fatty acid of at least 12 carbon atoms and (2) about 0.05 to about 1.0% by weight of a polyoxyalkylene derivative of a hexitol anhydride partially esterified with a fatty acid of at least 12 carbon atoms.

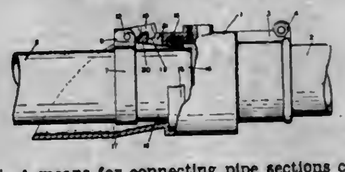
2,470,538
FOUR-PIECE HOSE COUPLING
John N. Wolfram and Shirley W. Packard, Cleveland, Ohio, assignors to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application February 16, 1944, Serial No. 522,899
5 Claims. (Cl. 285—86)

1. In a hose coupling of the character described, a nipple formed to provide a thin cylindriform extension insertible in the end of a hose to be clamped and a socket sleeve threaded on the nipple to provide a stepped annular chamber for receiving said hose end, a clamp sleeve contracting nut threadable on the socket sleeve and having a tapered camming surface surrounding the hose and the cylindriform extension inserted therein, and a contractible clamp sleeve sur-



rounding the hose within the stepped portion of the socket sleeve and the nut and having one end abutting and held against endwise movement by the socket sleeve and its other end presented for engagement by the camming surface of the nut for being contracted against the external surface of the hose as the nut is threaded home on the socket sleeve.

2,470,539
LOCK FOR IRRIGATION PIPE JOINTS
Raymond C. Wyss, Tillamook, Oreg.
Application March 5, 1947, Serial No. 732,593
2 Claims. (Cl. 285—170)



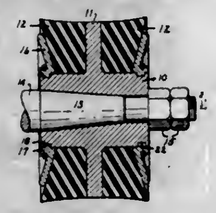
1. A means for connecting pipe sections comprising a coupling formed with a collar to engage a pipe section, a flaring skirt open at the front and top and extending outwardly from the collar to permit introduction at an incline of an abutting pipe section when connecting pipe sections together, the collar having an annular interior groove adjacent the inner end of the skirt, a packing in the groove, the skirt in rear of the open portion having an opening for a lock when pipe sections are coupled together.

2,470,540
PROTECTIVE SLEEVE FOR PUMP RODS
Henry B. Young, Houston, Tex., assignor to Mission Manufacturing Company, Houston, Tex., a corporation
Application October 8, 1943, Serial No. 505,463
10 Claims. (Cl. 74—579)



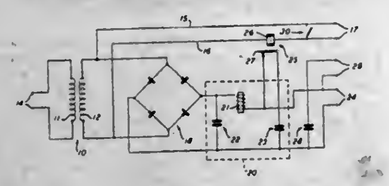
1. A reciprocating pump rod and sleeve therefor fitting closely about the rod including means to thread the sleeve on the rod, and a resilient seal to prevent leakage along the rod inside of said sleeve, said seal comprising a lip type packing disposed in the end of said sleeve.

2,470,541
SLUSH PUMP PISTON
Henry B. Young, Houston, Tex.
Application June 2, 1947, Serial No. 751,702
9 Claims. (Cl. 309—4)



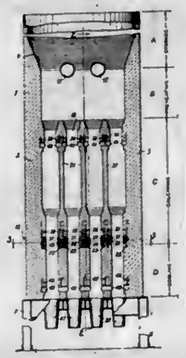
1. In a slush pump piston having a body on which a sealing packing is mounted, means for securing the sealing packing on the piston against displacement therefrom comprising a plurality of dished end plate sections, cooperating tongue and groove means on the piston body and the inner edges of said end plate sections, each end plate section having a snap ring receiving groove adapted to form a groove when the section is in assembled position on the piston body, and a snap ring placed in the thus formed groove.

2,470,542
ELECTRICAL POWER SUPPLY
Walter W. Zimmerman, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1947, Serial No. 782,719
4 Claims. (Cl. 171—97)



4. An electrical power supply network for connection to an alternating current source to modify the current therefrom and comprising an inductive voltage modifying unit to be connected to the source, a current rectifying unit having the input thereof connected to the output of the inductive unit, a pair of alternating current output terminals connected in parallel with the rectifier to the source, an alternating current buzzer having the operating coil thereof connected in the connection between one of the alternating current output terminals and the source, a filter unit having its input terminals connected across the output terminals of the rectifying unit and including a condenser in the filter circuit, a pair of direct current output terminals connected across the output of the filter unit, and a second pair of direct current output terminals also connected across the output of the filter unit but with a condenser in series between one of the said terminals and the filter unit, the armature of the buzzer being connected as a relay contact in the filter circuit in series with the filter circuit condenser to make and break the circuit through the said condenser when the buzzer is actuated.

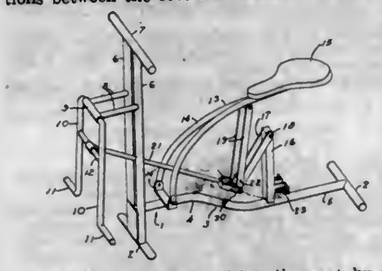
2,470,543
CALCINING APPARATUS
Victor J. Azbe, Webster Groves, Mo., assignor to Azbe Corporation, University City, Mo., a corporation of Missouri
Application October 24, 1946, Serial No. 705,259
8 Claims. (Cl. 263—29)



1. A kiln comprising a vertical hollow shaft wherein material to be calcined gravitates downward from a storage zone constituted by the uppermost portion of the shaft successively through a preheating zone, a calcining zone and a cooling zone, means including a plurality of firing walls extending from the lower end of said shaft through said cooling and calcining zones substantially to the upper end of the calcining zone dividing these zones into a plurality of vertical passages, each passage constituting a channel for downward flow of said material and having an outlet at the lower end of the shaft, whereby material flowing downward from the preheating zone is divided to flow independently in the respective channels, each firing wall and the walls of said shaft having ducts therein for introduction of fuel independently into each of said channels at the lower end of said calcining zone, gas offtakes within said kiln for withdrawing diluent gas therefrom, said offtakes being located, respectively, at the upper end of the preheating zone and in the firing walls and walls of said shaft adjacent the upper end of the calcining zone, each firing wall and the walls of said kiln having ducts therein for introducing said diluent gas into said channels adjacent the lower end of said calcining zone.

2,470,544
EXERCISING DEVICE
Joseph D. Bell, San Francisco, Calif.
Application September 24, 1948, Serial No. 50,983
7 Claims. (Cl. 272—79)

7. An exercising device comprising an elongated base frame having a post at its front and a second post rearward thereof, a seat member having a link connected to the same, a second link having one end connected to the first link and the other end to the second post, a foot rest member mounted on the first post and connections between the foot rest member and one of

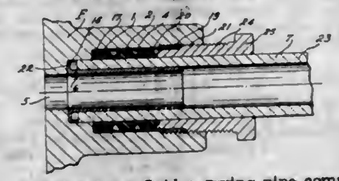


the links operable for raising the seat by the movement of the foot rest member.

2,470,545
VULCANIZING RUBBER
Edward S. Blake, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 22, 1944, Serial No. 541,661
12 Claims. (Cl. 260—79)

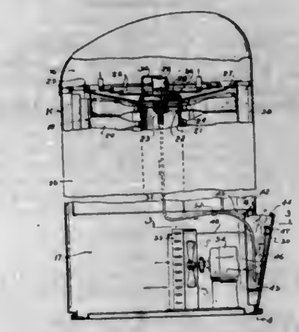
1. The process of vulcanizing a sulfur vulcanizable rubber comprising a conjugated butadiene hydrocarbon polymer which comprises heating the said rubber in the presence of, as the sole vulcanizing agent, at least 2.15 but not more than 6.8 parts by weight on the rubber of a di(hydroxy aryl)sulfide containing more than one atomic weight proportion of sulfur for each molecular weight proportion of hydroxy aryl radical.

2,470,546
TUBE SECURING MEANS
Bert G. Carlson, Gates Mills, Ohio
Application March 30, 1946, Serial No. 658,372
2 Claims. (Cl. 285—166)



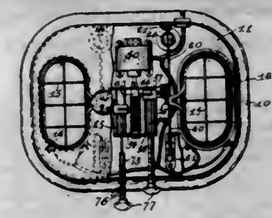
1. A fitting for a fluid carrying pipe comprising a body having an opening for an end of such a pipe and having a recess defined in part by a cylindrical surface coaxial with said pipe and an abutment surface at a substantially right angle to said pipe axis, an annular metal shell having a mid-portion engageable with said cylindrical surface and side portions extending divergingly inward, a resilient annulus in said shell, said side portions and annulus engaging with the outer surface of said pipe, and a sleeve having a face substantially at right angles to the pipe axis and being movable adjustably endwise into said recess, the inner edges of said shell initially engaging the abutment surface and sleeve face whereby axial movement of the sleeve into the body serves to force the inner edges of the shell toward each other and to increase the radial length of said side portions and the pressure of said portions and said annulus on said pipe and to deform the latter inwardly.

2,470,547
REFRIGERATOR HAVING CONDENSATE DISPOSAL MEANS
Harry S. Childers, Fresno, Calif., assignor to Vendoriator Manufacturing Company, Fresno, Calif.
Application June 30, 1945, Serial No. 602,441
8 Claims. (Cl. 62—103)



1. In combination: a cabinet having a compartment therein, having an air inlet opening and an air outlet opening; an electrical refrigerating apparatus having a cooling coil in said cabinet above said compartment, a condensate collecting pan for said coil; a fan for circulating air from said inlet opening outwardly of said outlet opening; and a disposal system for the condensate collected in said pan, comprising, a door in said air outlet opening having a receptacle thereon, means for conducting condensate from said pan to said receptacle and a wick-like material on said door, in the path of air leaving said outlet opening, and so extending into said receptacle as to have contact with the condensate in said receptacle.

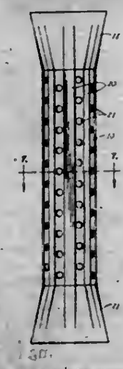
2,470,548
AUTOMATIC EGG BOILER
Norbert Desjardins, Montreal, Quebec, Canada
Application February 14, 1945, Serial No. 577,767
3 Claims. (Cl. 99—336)



1. A portable, automatic egg-boiler comprising, in combination, a water well, means for heating the water, an egg-holding basket lowerable into the water, a spring urging said basket upward and a latch for retaining said basket in lowered position, a threaded lead screw constantly rotated and held against longitudinal movement, a block slidable parallel to said screw

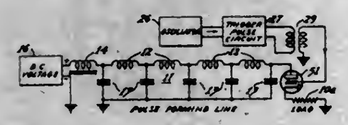
and adapted to trip the latch, an extension arm pivoted to said block and engageable with the screw threads so as to be propelled by the screw, and means for selectively engaging the arm with the screw at preselected points therealong corresponding to time intervals required by the block to reach the latch tripping position, said screw being unthreaded at this position.

2,470,549
TEXTILE THREAD CARRIER
Charles K. Dunlap, Hartsville, S. C., assignor to Sonoco Products Company, a corporation of South Carolina
Application April 1, 1946, Serial No. 656,842
5 Claims. (Cl. 242—118)



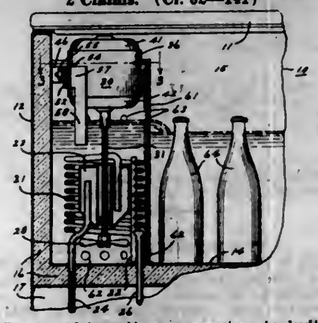
1. A textile thread carrier comprising a fibrous tubular body formed with integral conical end portions and reinforcing ribs, said end portions and reinforcing ribs being formed by folding said tubular body at intervals parallel with its longitudinal axis but in a longitudinal extent terminating short of each end of said body and flattening the folds thus formed against said body whereby said reinforcing ribs are set in place.

2,470,550
PULSE PRODUCING APPARATUS
John Evans, Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1946, Serial No. 650,967
13 Claims. (Cl. 250—27)



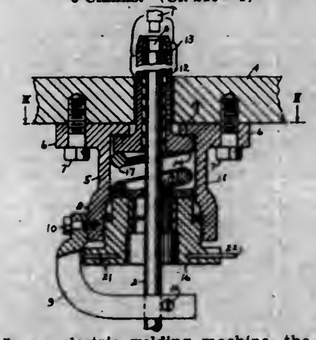
2. The method of utilizing a time delay network for producing and applying to a load high voltage impulses of short duration at time intervals long in relation to said short duration, comprising charging said network and periodically discharging said network into said load substantially without reflection at the load end of said network but with reflection at the other end of said network.

2,470,551
LIQUID COOLER, INCLUDING AGITATOR MOTOR AND HEAT REMOVING DEVICE THEREFOR
Mortimer W. Fish, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 13, 1946, Serial No. 696,646
2 Claims. (Cl. 62—141)



1. In a refrigerating apparatus including a cabinet having a plurality of walls forming an insulated compartment therein for the reception of articles to be cooled and stored, a body of liquid in said compartment, an evaporator of a refrigerating system for cooling said liquid, an agitator for circulating the liquid over said evaporator, an electric motor above the level of the body of liquid in said compartment and connected to said agitator for operating same, said motor including a casing, a rotor and a stator within said casing, said stator surrounding said rotor and engaging the inner wall surface of said motor casing, means for conducting heat directly from said motor casing to said body of liquid in said compartment, and said means comprising a metallic member having an arc-like band portion embracing a part of the outer wall surface of said motor casing within the horizontal plane of said stator and having integral spaced apart fin-like leg portions depending into said body of liquid.

2,470,552
ELECTRIC WELDING MACHINE
Lionel J. Gottschalk, New Orleans, La.
Application February 28, 1945, Serial No. 580,130
6 Claims. (Cl. 219—4)



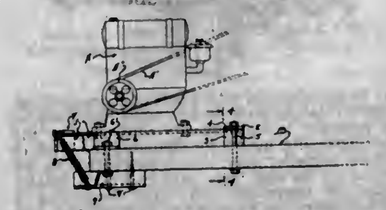
1. In an electric welding machine, the combination of a pressure applying electrode member, a fixed electrode member in alinement therewith, a movable non-current conducting member in spaced relation to said fixed electrode member, and a resilient member tending to urge said movable member forwardly whereby the work is subjected to predetermined pressure when a circuit is established through the work upon forward movement of said pressure applying electrode.

2,470,553
PROTECTING RELAY FOR LIQUID-FILLED ELECTRICAL APPARATUS
Erik Gudmundsson, Ludvika, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application August 6, 1947, Serial No. 766,705
In Sweden November 6, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 6, 1961
1 Claim. (Cl. 200—84)



A protecting relay for liquid-filled electrical apparatus, comprising a casing through which the liquid may flow, two switches, a float in the casing, means so connecting one of said switches to said float that an initial lowering of the float actuates said switch, a movable screen actuated by the flow of liquid through the casing, means for connecting the other switch to said screen, and a catching member actuated with the said screen and engaged by the said float when the latter is in a lower position.

2,470,554
PORTABLE MOTOR MOUNTING
Homer S. Hammond, Madison, Wis.
Application July 9, 1945, Serial No. 603,958
2 Claims. (Cl. 248—19)

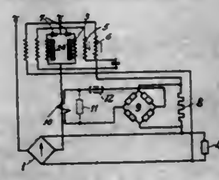


1. A motor supporting platform associated with any type of machine, to which driving power is to be applied, comprising a transversely disposed clip pocket secured to the platform, angular webs at the ends of said pocket, an alined transversely disposed clamp having end webs, a coil spring connecting the clamp and platform, a motor base, and rails secured to the base, the opposite ends of the rails being engageable with the clip pocket and clamp.

2,470,555
FORMALDEHYDE CONDENSATION PRODUCTS OF MERCAPTANS AND PROCESS FOR MAKING SAME
Marion W. Harman, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 9, 1945, Serial No. 621,387
6 Claims. (Cl. 260—306.6)

1. The process which comprises heating three molecular proportions of a mercapto thiazole with at least five molecular proportions of formaldehyde and approximately one molecular proportion of ammonia in aqueous medium producing a condensation product of said reactants which contains at least 5 but less than 7 molecular proportions of formaldehyde combined with 3 molecular proportions of said mercapto thiazole, sulfur and nitrogen atoms in the ratio of 3:2 and oxygen, with the elimination of water as a by-product of the condensation.

2,470,556
RECTIFIER WITH A VOLTAGE REGULATING REACTOR SATURABLE BY DIRECT CURRENT
Sven-Eric Hedström, Ludvika, and Uno Lamm, Kopparberg, Sweden, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application November 14, 1946, Serial No. 709,850
In Sweden November 16, 1945
10 Claims. (Cl. 321—25)

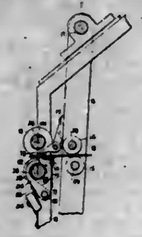


1. An electric rectifying and voltage regulating device comprising a rectifier, a direct current saturable reactor controlling the direct current voltage of said rectifier, saturating components opposing each other on said reactor acting to keep said direct current voltage normally constant, and means, actuated by a time integral of the direct current from said rectifier and acting to limit the said time integral to a permissible value.

2,470,557
GATHERING MACHINE
John George Herrmann, Baldwin, N. Y., assignor to Conveyor & Machinery Manufacturers, Inc., New York, N. Y., a corporation of New York
Application March 24, 1948, Serial No. 16,731
18 Claims. (Cl. 271—57)

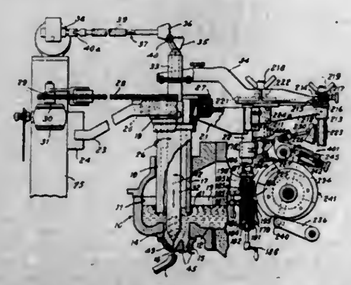
1. In combination with a gathering machine of the type having a movable card-transfer member for moving a card to a predetermined discharge position, a discharge member disposed forwardly of said card-transfer member and spaced therefrom for receiving and supporting a card being operatively moved by said transfer member toward said discharge position, an electric switch, a lever operatively engageable with said switch and movable between a predetermined switch-actuating position and a non-switch-actuating position, a movably mounted

detector finger adjacent said lever and adapted to engage the lever for operatively moving it into its said switch-actuating position, said lever being normally yieldably held in its said non-



switch-actuating position, the path of said card in moving towards said discharge position being between the said lever and said finger, whereby the card will constitute a separating barrier between the lever and finger.

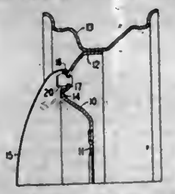
2,470,558
APPARATUS FOR AND METHOD OF FEEDING MOLTEN GLASS
William T. Honiss, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application July 7, 1943, Serial No. 493,699
13 Claims. (Cl. 49—55)



1. Glass feeding apparatus comprising a container for molten glass having an open-topped well in its bottom and a feed orifice and an auxiliary orifice in the bottom of the well and adjacent to each other, and a refractory implement depending into the glass in the well for cooperation therewith to control downward flow of glass through the well to both said orifices and having its lower end adjacent to the level of and wholly within the confines of the upper end of said auxiliary orifice so that said implement will conduct directly into the auxiliary orifice all cords moving downwardly along the implement in the well from a higher level in the container.

9. The method of feeding molten glass from a supply body in a container which comprises passing glass from the supply body downwardly through a well in the bottom of the container to a plurality of adjacent orifices in the bottom of the well simultaneously, and directing to only one of said orifices such cords as pass downwardly into the well from an upper portion of the supply body.

2,470,559
VEHICLE WHEEL
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application March 29, 1946, Serial No. 658,036
11 Claims. (Cl. 301—37)



1. The combination of a wheel having a wheel body, a cover therefor, and means for detachably connecting said cover to said wheel, said cover comprising a dish shaped member having a relatively flexible radially inturned marginal rim, said means comprising a plurality of angularly spaced generally U-shaped relatively rigid straps attached adjacent the extremities of the legs thereof to said wheel body and projecting axially outwardly therefrom, said straps being formed to provide radially outwardly projecting humps spaced axially of said wheel body and over which said cover is adapted to be forced, the radially outer extremities of said humps being arranged on a circle of slightly greater circumference than the inner circumference of the inturned portion of said rim, whereby the relatively flexible rim of the cover is distorted when forced over said humps on the relatively rigid straps.

2,470,560
OPPOSITELY ROTATING PROPELLERS
Walter S. Hoover, Montreal, Quebec, Canada
Application June 13, 1939, Serial No. 278,860
14 Claims. (Cl. 170—135.27)

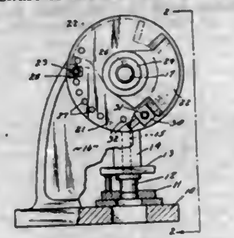


1. In combination with a pair of concentric oppositely rotating propellers in which the pitch of one propeller is hydraulically controlled by the other, hydraulic means for changing the pitch of said one propeller, valve means for controlling the flow of oil to and from said hydraulic means, means for operating said valve comprising a member operatively connected by a pin and cam connection with, and operable by the pitch changing movements of said other propeller.

2,470,561
PRESS
Hasen P. Hunter, Washingtonville, Ohio
Application April 17, 1947, Serial No. 742,055
6 Claims. (Cl. 164—102)

1. In a press including a pair of dies and means for moving one of the said dies with respect to

the other, said means comprising a crank shaft having a fly wheel thereon, means for imparting striking force to the moving parts of the said press at such times at they slow down or stop, said means comprising a weight pivoted to the crank shaft of the said press, means on said



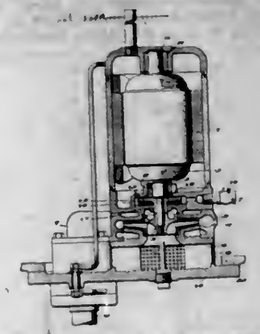
fly wheel in the path of said weight, the said weight freely movable between the said means on the fly wheel so that it is normally revolved with the fly wheel by the said means and is capable of moving to strike the said means when the fly wheel slows down or stops.

2,470,562
ORGANOSILOXANES AND METHODS OF MAKING THEM
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application April 12, 1944, Serial No. 530,749
7 Claims. (Cl. 260—46.5)

2. An organosilicon composition comprising a copolymeric organo-siloxane comprising in the molecule, oxygen atoms and units which correspond substantially to the general formulae $=SiR_2$, $RSi\equiv$ and $R'R''R'''Si-$, respectively, said units being the only silicon units present in said organosilicon composition and being joined to each other by said oxygen atoms through silicon oxygen-silicon linkages, where R, R', R'', R''' are monovalent hydrocarbon radicals which are attached to silicon through carbon silicon linkages.

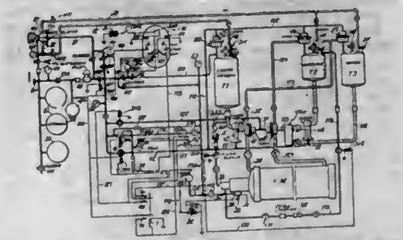
2,470,563
PUMP
Irving C. Jennings, South Norwalk, Conn.
Application January 3, 1944, Serial No. 516,787
6 Claims. (Cl. 103—87)

1. In a motor driven pump unit of the type adapted to be operated while submerged in a liquid, the combination comprising a casing provided with upper and lower end walls to define a motor chamber substantially sealed against the inflow of liquid, an electric motor in said chamber having a rotor and an upright shaft on which said rotor is mounted, bearings for said shaft, one of said bearings being mounted in said lower casing wall, a main rotary pump outside said motor chamber driven from said motor shaft, a rotary auxiliary pump outside said motor chamber and below said last-mentioned bearing, driven from said motor shaft, and having a rotor with its suction side in communication with the interior of said motor chamber through the relative slide faces of said last-mentioned bearing, whereby leakage liquid is drawn by said auxiliary pump from said motor chamber and along said bearing faces, and a gas vent pipe for said motor chamber adapted to extend above the surface of the pump submerging liquid to prevent pressure build-up in said chamber greater than that di-



rectly above the surface of the submerging liquid.

2,470,564
REACTION MOTOR CONTROL SYSTEM
Lovell Lawrence, Jr., Pines Lake, Paterson, and James H. Wyld, Pompton Lakes, N. J., assignors to Reaction Motors, Inc., Pompton Plains, N. J., a corporation of New Jersey
Application November 15, 1944, Serial No. 563,596
7 Claims. (Cl. 60—35.6)

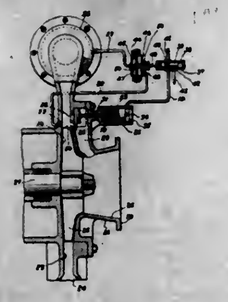


1. In a starting system for a reaction motor, a combustion chamber having an ignition device, in combination with a reservoir containing a liquid fuel, a conduit between said chamber and reservoir, a normally closed valve in said conduit, a source of gas pressure, means for connecting said reservoir to said pressure source to create pressure in the reservoir, means responsive to the pressure in said reservoir when it reaches a predetermined value for causing gas from said pressure source to purge said ignition device, and means effective upon completion of said purging for automatically opening said valve and for operating the ignition device, whereby fuel under pressure is fed to the chamber and ignited.

2,470,565
SURGE PREVENTING DEVICE FOR CENTRIFUGAL COMPRESSORS
Isidor R. Loss, Rowayton, Conn., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application October 9, 1945, Serial No. 621,193
5 Claims. (Cl. 230—115)

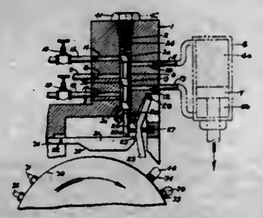
1. In combination, a centrifugal compressor having an inlet channel and a discharge channel,

an impeller to pump fluid from the inlet channel into the discharge channel, a relief port for the discharge channel adjacent the tip of the impeller, and means acting in response to an abnormal ratio of pressure values substantially at



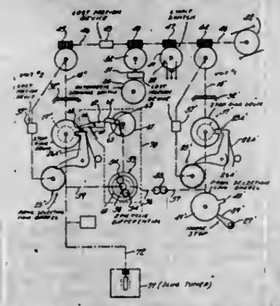
the impeller and at a point existing at a point relatively spaced from the first mentioned point to valve fluid from the discharge channel and thereby prevent the surging of compressed fluid from the discharge channel back through the impeller.

2,470,566
FLUID CONTROL VALVE MECHANISM
Hugh C. MacConnell, Jr., West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application November 30, 1946, Serial No. 713,242
6 Claims. (Cl. 121—147)



1. In combination, a valve housing formed to define a bore therein and having a transverse fluid inlet passage, a pair of transverse fluid feed passages, and a pair of transverse fluid exhaust passages extending from said bore to the exterior of said valve body, a spool valve having a pair of annular grooves formed therein, said spool valve being movably disposed in said bore and having one end projecting from said valve housing to serve as a tappet member, a horizontal pivotally mounted valve lever cooperatively disposed with said end of said spool valve, a pivoted latching member secured for cooperative engagement with said valve lever, and actuating means cooperative with said valve lever and said latching member to position said spool valve in each of three operating positions, said three operating positions of said spool valve regulating the flow of pressurized fluid from said inlet passage to each of said feed passages and from said feed passages to said exhaust passages by way of said annular grooves, in timed sequence.

2,470,567
SELECTIVE CONTROL APPARATUS FOR RADIO SYSTEMS AND THE LIKE
Richard W. May, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application April 26, 1946, Serial No. 665,107
22 Claims. (Cl. 192—142)



1. An arrangement for selectively positioning a rotatable shaft such as a control shaft for radio apparatus and the like which shaft undergoes more than one complete rotation before arriving at a certain final selective angular orientation, comprising a first automatic shaft positioning unit arranged to act as a turn controlling device to determine the number of complete rotations for said control shaft, a second similar automatic shaft positioning unit arranged to control the additional fractional rotation of said shaft to bring it to said final selective orientation, and a differential gear system operated under control of both said units to cause said shaft to be selectively stopped by the second unit only after said shaft has executed a number of complete rotations under control of the first unit.

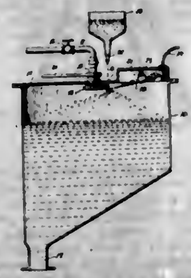
2,470,568
SPARK PLUG
John D. McCrumm, Inglewood, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application April 6, 1946, Serial No. 660,665
4 Claims. (Cl. 175—115)



1. A spark plug, comprising: a hollow metallic body adapted near the one end for mounting

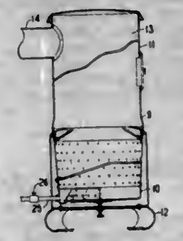
in an ignition space and adapted near the other end for connection to an electrical conductor; a frangible dielectric sleeve, bearing an annular projection, disposed coaxially in the first said end of said body and longitudinally coextensive therewith for the greater portion of the length of said sleeve, the outer end of the sleeve extending outwardly of said body end; a dielectric powder loosely and unstressedly interposed between said sleeve and said body and surrounding said projection so as to floatingly support said sleeve in said body, said powder being disposed along a major portion of the coextent of said sleeve and said body so as to separate said sleeve from all physical, electrical and thermal contact with said body throughout said coextent; an electrode of low thermal conductivity, and bearing an annular projection, disposed coaxially in said sleeve in longitudinally substantially coextensive correspondence therewith and projecting from the inner end thereof, said electrode operating at an ultra-high heat level and under a high electric potential; and a dielectric powder loosely and unstressedly interposed between said electrode and said sleeve and surrounding said projection so as to floatingly support said electrode in said floatingly mounted sleeve; whereby to relieve said sleeve of substantially all mechanical stresses and to exclude therefrom electric and thermal shocks originating in said electrode and in said plug-body.

2,470,569
APPARATUS FOR COMMINUTION OF MOLTEN METALS
Merl H. Meighan, River Edge, and Kenneth N. Brown, Teaneck, N. J., assignors to F. W. Berk & Company, Inc., New York, N. Y., a corporation of Maryland
Application February 1, 1947, Serial No. 725,920
2 Claims. (Cl. 18—2.5)



2. In combination with a tank having an opening to receive molten metal being poured from a container above said opening, a rotary head spray adjacent said opening and continuously supplying water under pressure of 50 pounds per square inch and also beneath said opening and in juxtaposition with said rotary spray head, an adjustable nozzle spray, said adjustable nozzle spray also supplying water continuously and at the rate of 50 pounds per square inch, and so positioned that the water from the said adjustable nozzle spray striking the end of said molten metal forces said molten metal into the path of the water being emitted from the rotary spray head, thereby preventing the accumulation of waste material on the side of the tank opposite the rotary spray and creating a greater degree of fines and also producing a more irregular fine, substantially as described.

2,470,570
VAPORIZING TYPE OIL BURNER
John W. Miller and Waldo G. Smith, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application May 21, 1945, Serial No. 594,986
10 Claims. (Cl. 158—91)

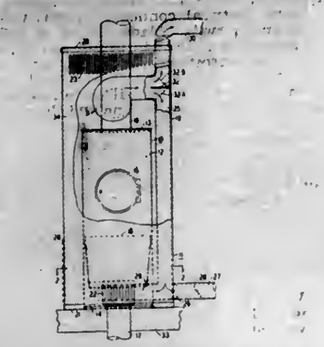


1. A burner of the vaporizing pot type comprising a tubular side wall provided with a plurality of vertically and horizontally spaced apart air inlet openings therein, said side wall being round in horizontal cross-section, a bottom wall attached to said side wall, said bottom wall having a depression therein adjacent said side wall and concentric therewith adapted to receive liquid fuel, said depression extending along the perimeter of said burner bottom wall, generally upright baffle means located adjacent the inner perimeter of said depression and having upright ends engaging said side wall, said baffle means cooperating with said side wall to provide an open topped enclosure extending substantially entirely around the perimeter of said depression, and auxiliary baffle means located within said enclosure and extending radially thereof between said side wall and said first named baffle means, said burner having a fuel inlet adjacent said depression and having means connected to said fuel inlet for delivering liquid fuel to said depression.

2,470,571
FORCED AIR AND GRAVITY CIRCULATING HEATING APPARATUS
John W. Miller, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application December 29, 1945, Serial No. 638,152
2 Claims. (Cl. 126—110)

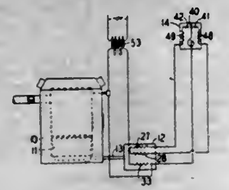
1. In a heater of the circulating type including a heat exchanger and a casing enclosing said heat exchanger in spaced relation thereto, said casing having openings therein at the top and bottom thereof for the circulation of air therethrough by gravity; the improvement which comprises, in combination, an air duct attached to said casing, said air duct having an inlet opening and a pair of spaced apart outlet openings communicating therewith exteriorly of said heat exchanger, said outlet openings being located adjacent the top and bottom of the heater respectively and being adapted for connection with conduits leading to rooms remote from the room in which said heater is located for conducting heated air to said remote rooms, an air circulating fan in said casing, said fan being located adjacent the top of the heat exchanger and arranged to discharge air from said casing into said duct through said air inlet opening, and a baffle in said duct, said baffle being adjustable in said duct to two extreme posi-

tions to divert air entering said air inlet opening selectively toward one or the other of said outlet



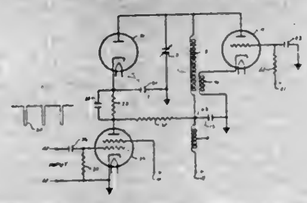
openings for selectively heating one of said remote rooms.

2,470,572
FUEL FEED CONTROL
John W. Miller and Raymond E. Fell, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application December 29, 1945, Serial No. 636,153
4 Claims. (Cl. 236—68)



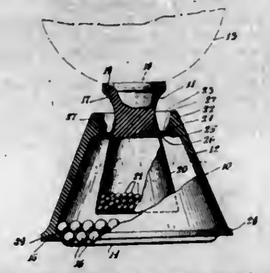
4. A fuel feed control comprising a reciprocable metering valve, spring means biasing said valve to open the latter, a member contacting said valve and adapted when moved in one direction to move said valve toward closed position, mechanism acting on said member for holding the latter in adjusted position, a pair of heat motors associated with said member and adapted when heated to move the member in opposite directions, said heat motors comprising warpable bars and electrical heating coils in heat exchange relation therewith, a flasher-type thermostat comprising a pair of spaced warpable bars which move in opposite directions when heated, heating coils in heat exchange relation with said last named pair of warpable bars, means connecting each of said second named heating coils in series with said first named heating coils respectively, and a temperature responsive warpable blade located between said second named warpable bars and adapted to move into contact with one of said thermostat warpable bars above a given temperature and with the other of said thermostat warpable bars below said given temperature, and electrical conductors connecting said blade in circuit with one of each pair of heating coils when said blade is in contact with one of the bars of said thermostat.

2,470,573
OSCILLATOR MODULATING SYSTEM
Robert C. Moore, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application June 10, 1944, Serial No. 539,701
12 Claims. (Cl. 332—15)



2. In a signalling circuit, an oscillating circuit comprising an oscillator tube and a tank circuit connected thereto, a diode connected across said tank circuit, a direct-current circuit for said diode and a resistance and a parallel combination resistor and condenser connected in series with said diode in said direct current circuit.

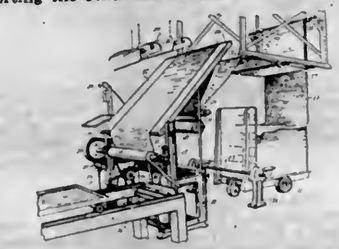
2,470,574
GOLF BALL TEE
Earl J. Nelson, Jackson Heights, N. Y.
Application August 23, 1946, Serial No. 692,653
4 Claims. (Cl. 273—33)



1. A tee for the game of golf which comprises a hollow base member having a bottom wall, a side wall, and a hollow neck at its top end, a tee-head member having a head to accommodate a golf ball and a shank depending therefrom extending into said hollow base member, means securing said shank to said base member at the neck of said base member said means suspending said shank in the center of said hollow neck and being flexible to provide universal movement of said shank, and means including a weighting material acting in the manner of a plumb bob secured to the lower end of said shank to maintain it in vertical position when said tee is placed with its bottom wall on the ground.

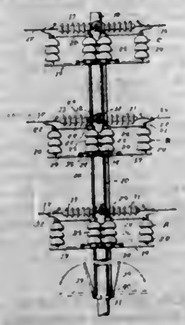
2,470,575
CLOTH INSPECTION AND HANDLING SYSTEM
Oscar J. Norton, Danville, Va., assignor to Dan River Mills, Incorporated, a corporation of Virginia
Application October 18, 1945, Serial No. 623,007
6 Claims. (Cl. 26—70)

1. In a cloth inspection machine having a frame structure supporting an inspection table and a driven cloth skewer rotatably mounted on said frame structure for drawing cloth over said inspection table and winding the inspected cloth in rolls, means for mounting said cloth skewer comprising a driven chuck journalled on said frame structure for engaging one end of said cloth skewer, a pivoted journal mounting disposed on said frame structure for slidably supporting the other end of said cloth skewer, and



means for selectively retaining said cloth skewer against sliding movement in said pivoted journal mounting for engagement with said driven chuck or for releasing said cloth skewer for sliding movement whereby said cloth skewer may be disengaged from said chuck and pivoted about said journal mounting to dispose a roll of inspected cloth wound thereon in a position extending from the machine and thereby allow said roll of cloth to be stripped from said cloth skewer.

2,470,576
GANG OPERATED SWITCH
John A. Pollock and Erskine H. Coppinger, Bainbridge, Ga., assignors, by direct and mesne assignments, to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application December 23, 1946, Serial No. 717,864
4 Claims. (Cl. 200—48)

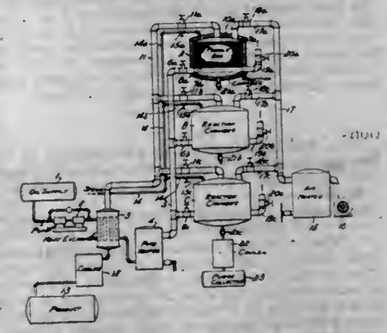


1. In a high tension electric current line switch, a supporting structure, a pair of relatively long insulators secured to said support to extend outwardly therefrom, said insulators being positioned to form an angle, an electric current feed line attached to the outer end of one insulator, an electric current outlet line attached to the outer end of the other insulator, a vertically disposed insulator structure supported rigidly beneath the feed line, an arm disposed beneath the insulator to which the outlet line is attached, a vertically arranged insulator unit supported upon the outer end of said arm for rotation on a vertical axis, a switch terminal mounted upon the top of the first mentioned vertical insulator and having electrical connection with the adjacent feed line, a switch blade having an end secured to the top of the rotatable insulator and adapted to extend across the angle formed between the horizontal insulators for electrical connection with said switch terminal, an electrical connection between the outlet line and the attached end of the switch blade, and means pivotally supported upon said supporting structure and operatively coupled with the pivoted insulator for effecting the turning of the pivoted insulator and movement of the switch blade relative to said switch terminal.

2,470,577
COMPLEX CALCIUM CARBONATE-SILICATE PIGMENT PRODUCT AND METHOD OF MAKING SAME
Howard F. Roderick, Grosse Ile, and Fritz M. Zorn, Wyandotte, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application October 11, 1945, Serial No. 621,718
5 Claims. (Cl. 106—306)

4. The method of making a complex calcium carbonate-calcium silicate product which comprises, adding in water solution, an alkali metal hydroxide to an alkali metal silicate having a silica-alkali metal oxide molar ratio in the range of water glass to adjust the resultant molar ratio of silica to alkali metal oxide in such solution in the range of 1.1–1.55 to 1, adding an alkali metal salt of carbonic acid thereto in an amount sufficient to correspond stoichiometrically to 40–85% by weight of calcium carbonate in the final product, and then adding calcium chloride to precipitate simultaneously therefrom an insoluble complex calcium carbonate and calcium silicate product.

2,470,578
THERMAL MOLECULAR ALTERATION OF CARBON COMPOUNDS
Percy H. Royster, Bethesda, Md.
Application October 3, 1942, Serial No. 460,658
3 Claims. (Cl. 196—55)

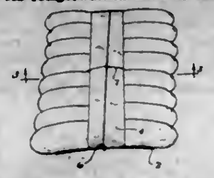


1. The process of decreasing the average molecular weight of a fluid reactant containing at least one carbonaceous component thermodynamically unstable and rapidly reactive at an elevated reaction temperature to produce a product of reaction by heating the reactant to the said

temperature for a minimum length of time, sufficiently long to effect the said reaction to a predetermined extent, and for a maximum length of time, so short that an undesired amount of decomposition of reacted product is inhibited, which comprises, as a thermal adjusting step, establishing in thermally insulated, broadly-extended, freely-bedded masses of relatively small, thermally responsive, refractory, solid, mineral particles a spatial distribution of temperatures comprising five zones of temperature in immediate mutual juxtaposition consisting in a cold zone, a thermal wave, a central hot zone, a second thermal wave and a second cold zone, the said first and second cold zones being substantially isothermal at such low temperatures that molecular alteration of the reactants and products are slow, the hot zone being substantially isothermal at the said elevated reaction temperature, the first thermal wave exhibiting large positive thermal gradients measured in the direction of fluid flow, and the second thermal wave exhibiting large negative temperature gradients similarly measured; and, as a first operating step, forcing the fluid reactant to enter the first cold zone, to traverse the first thermal wave whereby the reactant is heated to reaction temperature, controlling the rate of fluid flow, whereby the duration of exposure of the reactant in its passage through the hot zone is delimited between the said maximum and minimum, whereby the reacted product is rapidly quenched to inertness in transit through the second thermal wave, and whereby the reacted product is discharged through the second cold zone; continuing the first operating step while as (1) the two thermal waves are convectively displaced in the direction of fluid flow, (2) the first cold zone increases in spatial extent, (3) the second cold zone decreases, and (4) the central hot zone is subjected to displacement through the particles; terminating the first operating step before the disappearance of the second cold zone: and, as a second operating step, forcing the fluid reactant to traverse the said five zones in reverse sequence, whereby the translation of the two thermal waves and of the hot zone is reversed in direction and while as the second cold zone increases and the first cold zone decreases; continuing the process as a repetitive alternating succession of first and second operating steps, while as the hot zone is repeatedly reciprocated within the massed particles, the spatial extent of the two thermal waves continually and irreversibly increases, and the temperature gradients therein decrease in absolute magnitude; and terminating the described succession of first and second operating steps when the thermal waves cease sharply to define the said five zones.

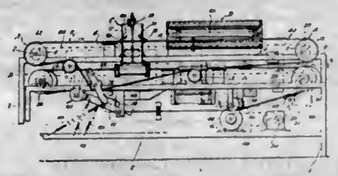
2,470,579
PACKAGING FOOD PRODUCTS
Dean E. Bueckert, Mokena, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
Application January 19, 1946, Serial No. 642,257
5 Claims. (Cl. 99—174)

1. The method of packaging elongated pieces of food products into a tight, compact, attractive bundle, which comprises, arranging a plurality of said pieces crosswise in a layer on a paper board backing of a width substantially coextensive with the length of said pieces, pulling a printed identification band somewhat taut longitudinally over the crosswise pieces in the layer and fixing the ends of the band to the backing, said band being of a width substantially narrower than said backing, tying said bundle by a cord pulled longitudinally over the band and tensioning said cord by a crosstie, said crosstie having the effect of bowing said paper board backing about its longitudinal axis to strengthen the



package and said string laying over the band in a manner to form a relatively wide obtuse angle with said band, whereby the tendency of the crosstie to sheer through the band is minimized.

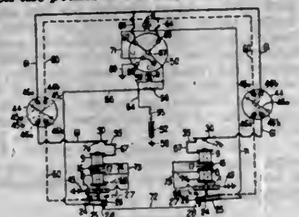
2,470,580
SPRAY COATING MECHANISM
Gerhard Gunther Schneider, Maplewood, and Clifford J. Hughes, East Orange, N. J., assignors to National Union Radio Corporation, Newark, N. J., a corporation of Delaware
Application November 2, 1944, Serial No. 561,592
7 Claims. (Cl. 91—45)



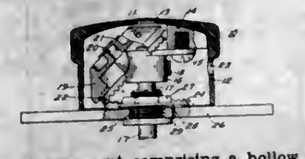
1. In a coating mechanism of the kind described, the combination comprising a conveyor for carrying pieces to be coated, means for spraying a coating material on to the exposed surface of pieces carried by the conveyor, means for continuously driving the conveyor at a predetermined speed, a second conveyor for carrying pieces to be coated arranged with the receiving end thereof adjacent the discharge end of said first mentioned conveyor, means for spraying a coating material to the exposed surface of pieces carried by said second mentioned conveyor, means for transferring pieces from the discharge end of said first mentioned conveyor to the receiving end of said second mentioned conveyor and turning the pieces over in the transfer, and means for continuously driving said second mentioned conveyor at a speed greater than the speed of the first mentioned conveyor to compensate for lag introduced when the pieces are being transferred from one conveyor to the other.

2,470,581
LOCKING SYSTEM
Francis E. Seaman, Columbus, Ohio
Application June 15, 1946, Serial No. 677,069
11 Claims. (Cl. 70—264)

1. A door locking system comprising electromagnetic units on each door to be controlled, a locking unit on each door controlled by the electromagnetic unit on such door, all of said electro-magnetic units being connected in a main circuit, a control switch for said circuit, and means for indicating each time said electro-magnetic units are energized, said means comprising a shunt circuit connected to the main circuit and including a signal, and a resistance element connected in said main circuit between the points where the shunt circuit is connected thereto so that the shunt circuit will receive sufficient current to actuate the signal only when said circuits are energized.



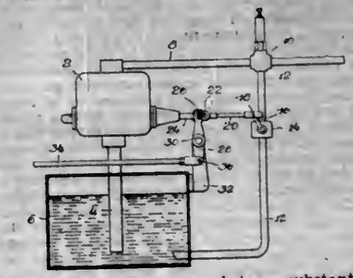
2,470,582
INDICATING CONTROL KNOB
Albert A. Seasongood, Melrose Park, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 14, 1947, Serial No. 734,808
4 Claims. (Cl. 116—124)



1. An arrangement comprising a hollow control knob having a window in its face, a conical dial member having indicia successively visible through said window, structure for supporting said dial member within said knob for rotation therewith and for rotation about an axis inclined with respect to the axis of rotation of the knob, a driven member attached to and rotatable with said dial member, and a stationary driving member operatively engaging said driven member to effect rotation thereof about its said inclined axis as said knob is rotated about its own axis.

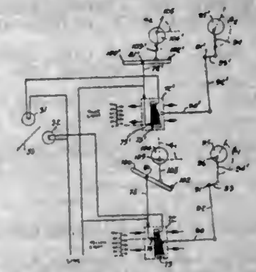
2,470,583
RELIEF VALVE CONTROL SYSTEM
Robert K. Sedgwick, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 22, 1944, Serial No. 536,653
15 Claims. (Cl. 103—42)

1. In an hydraulic system comprising a pump mechanism including a yoke for adjustably varying the discharge rate thereof, the suction side of said mechanism being connected to a fluid reservoir, and the discharge side of said mechanism being connected to a supply line adapted for communication with an associated hydraulic device, the combination of a valve comprising a casing with an internal chamber communicating with an inlet port connected to said line and a downstream outlet port connected to said reservoir, a bore within said casing, a valve stem reciprocally mounted within said bore and comprising means for closing said outlet port in the closed position of said stem, said stem having an area adapted to be acted upon by pressure fluid admitted through said inlet port for moving said stem to its open position, a chamber associated with said casing and housing yielding means for continuously urging said stem toward its closed position, a passageway through said stem for effecting hydraulic communication between said chambers in the open position of said stem to convey pressure fluid into said second-mentioned chamber for acting on an opposed area of said stem in the same direction as said yielding means, said



second-mentioned area being substantially smaller than that acted upon by pressure fluid from said inlet port, an adjustable orifice in the connection between said outlet port and said reservoir, means for adjustably varying the area of said orifice, and means operatively connecting said last-mentioned means to said yoke for actuation thereby.

2,470,584
ILLUMINATING SYSTEM AND CONTROL DEVICE FOR PHOTOGRAPHIC ENLARGERS
Alfred Simmon, Jackson Heights, N. Y., assignor to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application June 20, 1947, Serial No. 755,920
5 Claims. (Cl. 88—24)



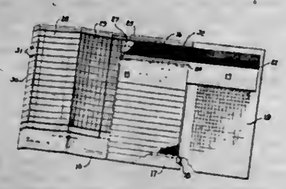
1. In combination, an illuminating and a control device for photographic enlargers, said illuminating device comprising a plurality of light sources, filters of different colors for said light sources, and means to superimpose the light quantities transmitted by said filters upon each other, said control device comprising means to adjust the intensity of each light source, a first mechanism, and a second mechanism, said means to adjust the intensity of each light source comprising a plurality of rheostats, one in series with each light source and each comprising a support, a resistor element and a sliding contact element in current conducting relationship therewith, one of the two last named elements stationary relative to said support, and the other one movable relative to said support and to said stationary element, said first mechanism com-

prising a first set of manually and simultaneously operated driving movements and a first set of elements driven thereby, said driven elements comprising a plurality of pivoted levers, each having a pivot point and a point of contact with one of the relatively movable elements of one rheostat, respectively, whereby an operative relationship between said lever and said movable rheostat element is established, and said first set of driving movements comprising means to adjust the angle of said levers by rotating them on their respective pivot points, whereby said levers may assume all possible positions between two extremes, said second mechanism comprising a second set of manually and simultaneously operated driving movements and a second set of elements driven thereby, said last named driven elements being formed by said aforementioned rheostat supports, and said second set of driving movements adapted to move said supports in a substantially straight line parallel to one of the possible positions of said levers and substantially at right angles to the direction of movement of one rheostat element relative to the other, whereby the distance between the respective pivot points and contact points may be adjusted, and whereby the relative displacement of said two elements of each rheostat is rendered proportional to the product of the angular adjustment effected by said first mechanism and the straight line adjustment effected by said second mechanism, the driving movements of one set being in phase with each other, whereby the displacement of all corresponding driven elements is changed in the same ratio, and the driving movements of the other set being out of phase with each other, whereby an harmonic motion is given to the corresponding driven elements, the sum of their displacements being constant.

2,470,585
PREPARATION OF 2-THIOUREIDO-4-METHYL THIAZOLE HYDROCHLORIDE
Russell L. Sperry, Glendora, Calif., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 6, 1946, Serial No. 714,651
3 Claims. (Cl. 260—302)

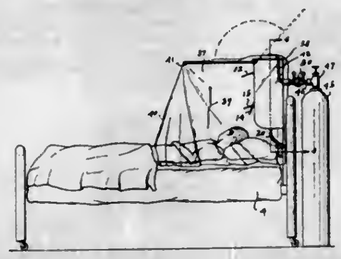
1. The hydrochloric acid addition product of 2-thioureido-4-methyl thiazole.

2,470,586
MEANS FOR MAINTAINING MULTIPLE RECORDS
Joseph H. Tathwell, Charlotte, N. C.
Application March 21, 1945, Serial No. 583,947
12 Claims. (Cl. 282—9)



1. A means for maintaining multiple records comprising a plurality of forms arranged in overlapped relation, whereby appropriately designated areas on each form are disposed in extending relation beyond the next underlying form; a sheet fixed in underlying relation to said overlapped forms and having an extensible portion adapted to be folded under said overlapped forms, said sheet having appropriately designated areas on its underlying portion and on said extensible portion disposed for registration with said first mentioned areas on said forms, and impression transfer means for duplicating entries made on said designated areas of the overlapped forms on the extensible portion of said sheet when in folded position, or on the underlying portion of said sheet with said extensible portion in extended position and in relation to entries duplicated on said extensible portion.

2,470,587
OXYGEN ADMINISTERING EQUIPMENT
Thaddeus A. Taylor, Lufkin, Tex.
Application June 3, 1948, Serial No. 30,797
5 Claims. (Cl. 128—191)



1. Oxygen administering equipment comprising, a cabinet, anchoring means adapted to be releasably secured to the head end of a mattress support, a standard supporting the cabinet, means pivotally connecting the standard to the anchoring means to pivot on a horizontal axis, means for adjusting the standard about said axis and for securing the standard at a selected point of adjustment, a retaining arm pivoted at one end, to the anchoring means and movable to active position between the support and a mattress on the support, and to inactive position clear of the mattress.

2,470,588
SAFETY RAZOR COMBINED WITH BLADE CONDITIONING MEANS
Godfrey Thornfield, London, England
Application December 9, 1943, Serial No. 513,537
In Great Britain November 27, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 27, 1962
15 Claims. (Cl. 30—34)

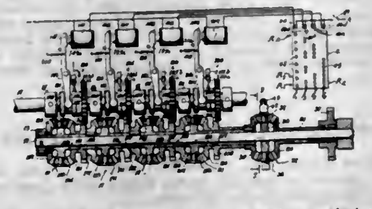
9. In a safety razor of the Gillette type comprising a base element, a blade and a clamping element by which the blade is clamped down on the base element, said clamping element having disposed on its under side a surface adapted to recondition the razor blade, in combination; a screw threaded handle, a correspondingly threaded means on said base element adapted to cooperate with said handle to keep the base, the blade and the clamping element assembled, and means on said handle axially adjustable thereto, for advancing said clamping element into blade clamping position or for retracting it into a position in which it is free to rotate for blade

reconditioning, means for rotating said clamping element when so positioned, and means for



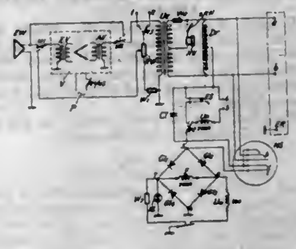
holding the blade against rotation while the clamping element is so rotated.

2,470,589
TORQUE CONVERTER
Torkel E. Torkelson, Baldwin, N. Y., assignor to Associated Development & Research Corporation
Application March 27, 1947, Serial No. 737,633
10 Claims. (Cl. 74—751)



1. In an automatic speed-change transmission, a power shaft, a driving shaft, and a driven shaft; a planetary system interposed between said driving shaft and said driven shaft and providing power transmission means therebetween, said planetary system including a spider rotatable relative to said driving and driven shafts according to the torque differential thereof, said spider having means resiliently urging it in one direction of rotation; a series of planetary gear systems arranged on an idler shaft, each said planetary system including spaced sun gears and spider-mounted planet gears meshing therewith, said planet gears being mechanically interconnected with a sun gear of the succeeding system, the said driving shaft comprising an element of the last of said series of planetary systems; a normally disengaged clutch system individual to each said planetary system mounted on said power shaft, and each having a clutch element in driving relationship with its associated planetary system; an electromagnet individual to each clutch system for actuating the same into engaged position; and an electric system responsive to torque differential between said driving and driven shafts to energize said clutch electromagnet singly or in combination to establish a desired speed of the driving shaft, said system including a commutator carried by said spider for rotation therewith; a fixed contactor including contacting finger means individual to each said electromagnet, and a plurality of mutually insulated, conductive studs arranged in rank and file on said commutator for circuit closing engagement with said fingers upon rotation of said commutator, there being a file of said studs for each electromagnet, and the number and disposition of studs in the respective ranks determining the number of clutch actuating circuits which will be closed when a rank comes into operation relationship with the fingers of the contactor.

2,470,590
REMOTE-CONTROLLED AUTOMATIC TELEPHONE FOR LOUD TRAFFIC
Otto Tschumi, Soleure, Switzerland, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland, a joint-stock company of Switzerland
Application May 12, 1944, Serial No. 535,299
In Switzerland December 21, 1942
4 Claims. (Cl. 179—81)

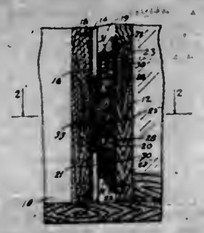


1. A remote control automatic telephone subscriber's station comprising a transducer, an amplifier having input and output connections from the amplifier to the transducer and to terminals for connecting the station with an exchange line, connections from the amplifier to another line differing from the exchange line, a first relay having operating contacts for reversing the input and output connections of the amplifier to control the speaking direction, a full wave rectifier bridge arrangement, connections including a condenser for connecting the rectifier bridge with the exchange line including a condenser in parallel with said first relay, a second relay connected across the rectifier bridge and responsive to current supplied by the exchange line through said condenser, said second relay having operating contacts for switching the amplifier from the connections with said other line to the connections with the exchange line.

2,470,591
WINDOW CONTROL DEVICE
Paul A. Viola and Vincent Viola, Bridgeport, Conn.
Application October 6, 1948, Serial No. 53,005
6 Claims. (Cl. 292—74)

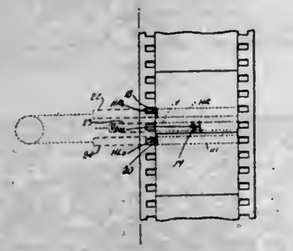
1. A window control device comprising a metal strip to be mounted on the bottom of the sash guide in a window frame and extend longitudinally thereof, a support to be mounted on the sash including a housing, a pressure block mounted in the housing, a pair of cam blocks in the housing having inclined surfaces engaging opposite ends of the first block, springs tending to

shift the cam blocks against the pressure block to shift it laterally, and a pressure shoe carried



by the pressure block to slide along the surface of the metal strip.

2,470,592
CONTROL BAND FOR GUNNERY TRAINING APPARATUS
Fred Waller, Huntington, N. Y., Willis Robert Dresser, Long Hill, Conn., and Robert E. Swain, Huntington, and Raymond William Wengel, Rochester, N. Y., assignors to The Vitarama Corporation, Long Island City, N. Y., a corporation of New York
Application May 20, 1944, Serial No. 536,578
7 Claims. (Cl. 88—19.5)



3. As an article of manufacture, a control band having a plurality of frames adapted to be used in connection with a picture band having a plurality of corresponding frames carrying the image of a target to be fired upon, a frame of said control band being formed with indicia components such as apertures in one or more of a plurality of separately allotted parallel horizontal zones respectively representing azimuth and elevation, the indicia components in all of said zones together defining the position of a single aim spot or target on the corresponding picture frame.

2,470,593
HARDENED SILICONE SURFACED COOKING IMPLEMENT
Paul S. Webb and John R. Koster, Boulder City, Nev., assignors to Processed Surfaces, Inc., New York, N. Y., a corporation of New York
Application March 17, 1947, Serial No. 735,258
1 Claim. (Cl. 220—64)

A metallic cooking implement having a cooking surface consisting of a thin coating of a hardened, non-viscous, high molecular weight alkylated siloxy composition in which a substantial portion of the silicon atoms are attached to two carbon atoms, said coating providing a surface



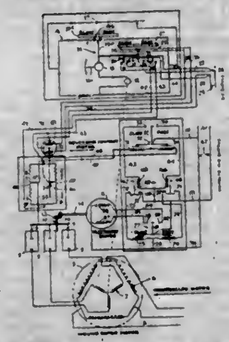
very easily cleaned so long as said coating remains continuously adherent to the metal.

2,470,594
TAPERING CLIP FOR HAIR CLIPPERS
Roy Whitney, Decatur, Ill.
Application January 21, 1948, Serial No. 3,454
4 Claims. (Cl. 30—200)



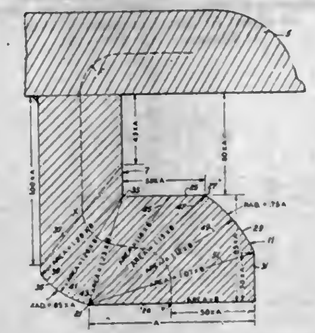
1. A tapering clip for hair clippers comprising a body of sheet material, a pair of parallel spaced hook members integral therewith and extending each from the same end of said member; said body member shaped to define on its sides opposed integral flanking flanges and the forward portion of said body bent back upon its self to function as a tapering clip for a hair clipper; whereby said hook members may be slidably hooked over the forward end of the clipper and whereby said side flanges will resiliently clamp against the adjacent side of said hair clipper to hold the tapering clip in operative position thereon.

2,470,595
APPARATUS FOR CONTROLLING THE SPEED OF ELECTRIC MOTORS
Fred Winterburn, Cornwall, Ontario, Canada, assignor to Howard Smith Paper Mills Limited, Montreal, Quebec, Canada
Application July 9, 1945, Serial No. 603,887
7 Claims. (Cl. 318—327)



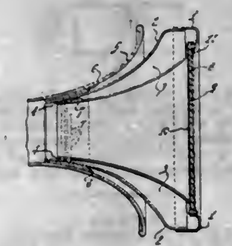
1. Apparatus for controlling the speed of a wound rotor motor having primary and secondary windings in separately supplied circuits comprising, a variable resistance in the secondary winding circuit, a magneto driven by and in direct proportion to the speed of the motor, the voltage output of the magneto being in direct proportion to its speed, a Wheatstone bridge, a battery across the input terminals of the bridge, the magneto across the output terminals of the bridge, a galvanometer in circuit with the magneto, a slide wire potentiometer means at one output terminal the movable contact of which is actuated by the galvanometer to balance the magneto output against the battery input at a preselected speed of the motor, and means responsive to the cooperative operation of the galvanometer and moving element of the potentiometer for controlling the operation of said variable resistance to adjust the motor speed and rebalance the bridge.

2,470,596
TOROIDAL MAGNET FIELD FOR DYNAMO-ELECTRIC MACHINES
Martin P. Winther, Waukegan, Ill., and Anthony Winther, Kenosha, Wis., assignors to Martin P. Winther, as trustee
Application May 5, 1948, Serial No. 25,246
15 Claims. (Cl. 171—252)



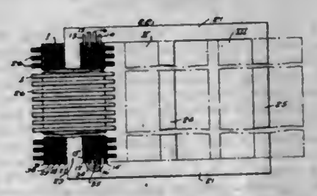
1. A pole structure for a dynamoelectric machine having an inductor, an annular field coil of rectangular section, and magnetic pole rings enveloping the coil; comprising oppositely extended interdigitated poles extending from said rings across the coil and having substantially rectangular pole faces opposite the inductor, the opposite ends of which faces track in planes within the planes of the rings, each ring having notches between its poles the bottoms of which diverge at approximately 45° from the sides of the coil, each pole being formed at a root portion between the notches by a shape converging toward the inductor and away from the adjacent notches and in its extension being formed by a radial portion converging away from the inductor, said extension having a substantially right-triangular face lying with its base near one side of the coil and its apex near the other side of the coil, a first non-radial portion extending from the apex of said triangular face to the end of the extension and flaring outward from the former to the latter, a second non-radial portion at said root portion and extending from the ring end of the pole face to the outside of the ring and flaring inward from the former to the latter, said second non-radial portion lying substantially upon an arc centered on said triangle base, and said first non-radial portion lying substantially upon an arc centered at a point between said ring end of the pole face and the center of the pole face.

2,470,597
ACOUSTIC ATTENUATOR
J. Guy Woodward, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1946, Serial No. 644,525
7 Claims. (Cl. 84—400)



1. An acoustic attenuator for a wind instrument comprising a resonant cavity having one end insertable within the bell of said instrument, an opening adjacent said insertable end and means having relatively high acoustic resistance positioned within said cavity adjacent said opening.

2,470,598
TRANSFORMER WINDINGS
William B. Biebesheimer, Toledo, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 29, 1948, Serial No. 5,073
9 Claims. (Cl. 175—361)



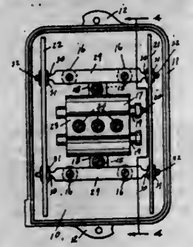
3. In an alternating-current electrical apparatus comprising concentrically arranged inductively related windings including a primary winding and a pair of secondary windings, the secondary windings comprising a nested group of an even number of concentrically related single layer coils of electrical conductors, the successive turns in each coil layer having the same diameter as the other turns in that coil layer and following a cylindrical helix path, the number of winding turns in adjacent coil layers varying so that the odd-numbered layers of the group have a like number of turns and the even-numbered layers of the group have a like number of turns different from that of the odd-numbered layers, one of the secondary windings of said pair including the innermost and the outermost coil layers of the nested group of single layer coils and the other one of the secondary windings of said pair including the next innermost and the next outermost coil layers of the nested group of layers.

2,470,599
LONG DRAFT APRON
Bruce R. Billmeyer, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application July 31, 1941, Serial No. 404,781
17 Claims. (Cl. 19—131)



1. A long draft apron for use in fiber drawing comprising a tubular body of twine disposed in the form of a helix, a wear-resistant layer of synthetic rubber composition interiorly of said body, and a wear-resistant facing of synthetic rubber composition secured to said body.

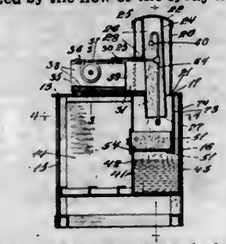
2,470,600
ELECTRIC CHIME DEVICE
Gisbert L. Bossard, Cleveland, Ohio
Application September 28, 1946, Serial No. 700,133
6 Claims. (Cl. 177—7)



1. A signal device comprising a front cover having walls thereabout embracing a resonance chamber, the side walls thereof being provided with a plurality of spaced apertures, inwardly extending bosses carried by said front cover, an electromagnetic actuating unit secured to one set of said bosses and provided with a pair of striking plungers, a pair of mounting straps secured to the other set of said bosses on opposite sides of said actuating unit, and spaced tonal bars carried by opposite ends of said straps positioned to be struck by said plungers, said bars extending parallel with and spaced from said walls opposite said apertures.

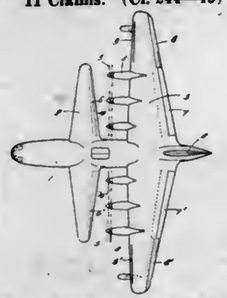
2,470,601
DUST COLLECTING APPARATUS
John R. Burke, Pawtucket, R. I.
Application July 8, 1946, Serial No. 682,110
4 Claims. (Cl. 51—273)

1. In a dust collecting apparatus for a polishing unit comprising an abrading wheel, a generally vertical suction duct extending at substantially right angles to the path of movement of the dust cast off from said wheel by centrifugal force, said duct having inlet and outlet openings therein with the inlet opening positioned in a side wall thereof opposite said wheel, means at the upper end portion of said duct for directing and discharging a liquid under pressure in said duct to pass said inlet opening in a spray, said inlet opening being positioned in the path of movement of said dust to receive therethrough dust cast off by the polishing wheel tangential thereof to be intercepted by the flow of the spray at substantial



right angles to the path of travel of the dust cast into said duct.

2,470,602
TANDEM WING AIRCRAFT
Thomas Cochrane Campbell, Hessle, and Eric Vincent Hall, Hull, England, assignors to Blackburn Aircraft Limited, Brough, England
Application October 16, 1945, Serial No. 622,624
In Great Britain December 6, 1944
11 Claims. (Cl. 244—45)



1. An aircraft comprising a main wing and a smaller leading wing and a plurality of tractor propellers disposed intermediate said wings, said propellers having their axes in the same plane as said leading wing and being disposed sufficiently close to the trailing edge of said leading wing as to induce a slipstream effect of airflow past said leading wing to increase the lift thereof, said propellers being so spaced between said wings as to induce substantially equal changes in lift per unit area due to slipstream effect on both wings so as to maintain said aircraft in balance about the center of gravity for power-off and power-on conditions.

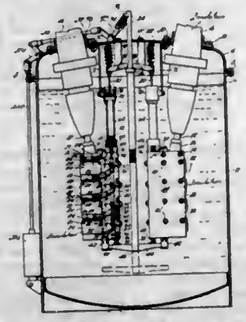
2,470,603
COLLET TYPE ELECTRODE
John H. Coulter and Arthur F. Wood, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application December 12, 1946, Serial No. 715,890
13 Claims. (Cl. 219—4)



1. In a welding electrode, the combination which comprises an electrode holder, a cap rotatably mounted on said holder, seating means in said holder for receiving a welding tip with

a portion thereof extending inside said cap, said portion of the tip defining an interspace with the inner surface of the cap, at least one clamping member in said interspace having inner and outer circumferential surfaces of increasing radial distance from each other, and means for connecting one of the two elements including said cap and said holder to said clamping member whereby upon rotational relative displacement of said two elements said clamping member will be slidably and rotationally displaced in said interspace with respect to the element to which it is not connected and will become wedged between the welding tip and the cap.

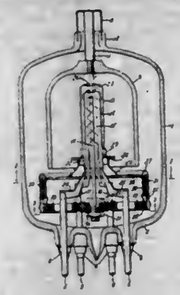
2,470,604
CIRCUIT BREAKER
James M. Cumming, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 21, 1944, Serial No. 564,447
15 Claims. (Cl. 200—150)



1. In a circuit breaker, a liquid container having side, bottom and top walls, separable contacts supported from said top wall so as to be positioned in said container below the liquid level thereof, said contacts being biased apart to an open circuit position, means located adjacent said contacts for latching said contacts closed, actuating mechanism supported on said top wall, liquid motion transmitting means also supported from said top wall and connected between said mechanism and contacts for closing said contacts against said bias when said mechanism is operated in one direction, and said mechanism having a relatively light movable rod which is separate from said motion transmitting means and contacts and extends downwardly in said container into proximity with said latching means for releasing said latching means by movement independent of said contacts in response to operation of said mechanism in the opposite direction.

2,470,605
ELECTRIC DISCHARGE DEVICE WITH INTERNAL CAPACITOR
Harold B. Cummings, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 14, 1947, Serial No. 728,553
4 Claims. (Cl. 250—27.5)

1. An electric discharge device including an envelope, a plurality of conductors sealed through said envelope, a generally planar body of insulating material supported from said conductors, a pair of cylindrical conducting members supported from said insulated member in closely



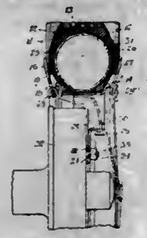
spaced relation and providing the plates of a capacitor, one of said conducting members having an inwardly directed flange, and a grid supported from said flange.

2,470,606
COMBINED BELT BUCKLE AND BOTTLE CAP REMOVER
Robert Case Dennison, Manchester, Conn.
Application March 1, 1946, Serial No. 651,160
1 Claim. (Cl. 24—178)



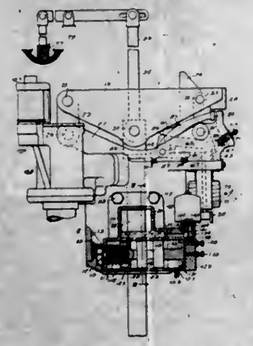
A belt buckle adapted to serve as a bottle cap remover and comprising spaced side portions, a forward end cross-bar portion extending fully across to said side portions, a rearward end cross-bar portion, an intermediate cross-bar portion extending fully across to said side portions and serving to fit under the bottom edge of a bottle cap while the forward end cross-bar is on top of the cap, a pin pivoted on the rearward end cross-bar portion and adapted, when the belt end is introduced between the forward and intermediate cross-bar portions and by passage through a hole in the belt end to engage the forward cross-bar portion to retain the belt end in position, and a narrower handle tongue-like portion forming an integral rearward extension of the rearward cross-bar portion for providing lifting leverage for the buckle as it is used to remove a cap, said handle portion being shaped to be concealed by an attachment loop of the belt.

2,470,607
TRACTION DEVICE
Theodore D. Dritz, Mount Vernon, N. Y.
Application June 26, 1947, Serial No. 757,110
3 Claims. (Cl. 152—221)



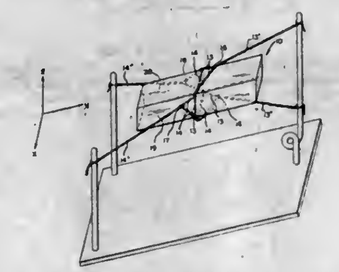
2. A traction device for a vehicle wheel having a pneumatic tire, including a plurality of flexible pads adapted to be arranged on the tire and a circular spider secured to the wheel, said pads having a base, shoulder portions and attaching means secured to both ends of said pads, said base being relatively thin and adapted to be fitted over the tread of the tire, said shoulder portion disposed at opposite sides on the walls of said tire, said spider having a plurality of radial arms extending therefrom, hooks on said arms adapted to detachably engage said attaching means at one end of said pads, the opposite ends of said pads being connected together through a strap arrangement whereby said pads will be maintained in operable position when said wheel revolves.

2,470,608
CIRCUIT BREAKER
Gilbert J. Easley, Forest Hills, and Ralph O. Bonine, Edgewood, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 18, 1944, Serial No. 545,438
15 Claims. (Cl. 200—82)



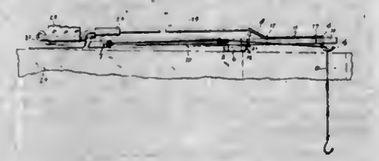
1. An operating mechanism for a circuit breaker comprising a fluid motor, means for admitting fluid pressure to said motor to operate said breaker to closed position, a valve operable to an open position during a closing operation of said motor to cause quick collapse of the fluid pressure on the working side of said motor, actuating means comprising a valve actuating piston operable by fluid pressure to initiate an opening operation of said valve, said valve being operable by fluid pressure to full open position independently of said valve actuating piston following said initial opening operation thereof.

2,470,609
PIEZOELECTRIC CRYSTAL
William C. Elmore, Swarthmore, and John F. Marshall, Primos, Pa., assignors to the United States of America as represented by the Secretary of War
Application December 10, 1945, Serial No. 634,083
8 Claims. (Cl. 171—327)



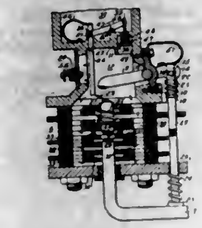
1. In a holder for a piezoelectric crystal having a longitudinal axis and opposed pairs of rectangular faces substantially parallel thereto, a supporting structure including two loops extending about said crystal substantially in a plane perpendicular to said axis, four supporting threads, means engaging one pair of said threads to one said loop at portions adjacent an opposed pair of crystal faces, means engaging the other pair of said threads to the other said loop at portions adjacent the other opposed pair of crystal faces, and yieldable means supplying tension forces in the supporting structure whereby said loops are drawn into engagement with each other and with said faces to maintain said crystal in substantially fixed position within said holder.

2,470,610
ICE FISHING JACK
Loring L. Elsemore, Bangor, Maine
Application December 26, 1946, Serial No. 718,450
2 Claims. (Cl. 43—17)



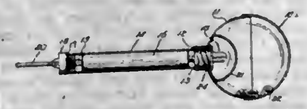
1. In a fishing jack, a body member, line-holding elements at the edge of said body, a member pivotally connected to the said body, a flagstaff secured to the upper surface of said member, said flagstaff having spaced shoulders between its ends, a signal on the outer end of said staff, a weight slidable on the said staff between the shoulders, and a guide for a fishing line on the outer end of said member whereby pull on the fishing line swings said member to a vertical position and changes the position of the flagstaff.

2,470,611
CIRCUIT INTERRUPTER
Robert E. Friedrich, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 25, 1947, Serial No. 724,425
9 Claims. (Cl. 200—150)



1. In a circuit interrupter of the fluid blast type, a relatively stationary contact, a movable contact separable from the stationary contact in one direction to establish an arc, a separate and independently movable arcing electrode disposed in proximity to the relatively stationary contact and adapted for movement in the opposite direction, and means responsive to the magnitude of the current being interrupted for causing movement of the arcing electrode in the said opposite direction to thereby cause transfer of the terminal of the arc from the movable contact to the arcing electrode to shorten the length of the arc.

2,470,612
ILLUMINATED RATTLE FOR BABIES' CRIBS
Oscar Galter, Chicago, Ill.
Application November 18, 1947, Serial No. 786,675
1 Claim. (Cl. 240—6.4)



A combination baby's crib lamp and rattle comprising a lower hollow translucent head portion having screw threads at its open upper portion, an upper hollow translucent head portion having screw threads at its open lower portion removably engaging the screw threads of said lower head portion, said lower head portion having a flanged open portion with screw threads at its lower end, a combination hollow handle and battery-holder having screw threads at its upper end removably engaging the screw threads in the flanged open portion of said lower head portion, a socket attached to said handle adjacent its upper end, an electric light bulb removably mounted in said socket and extending within said lower head portion, the lower end of said handle being open and having screw threads, a cap having screw threads removably engaging the screw threads at the lower end of said handle for closing the lower open end of said handle, a contact member attached to said cap and adapted when the cap is screwed forwardly on said handle to contact said battery and illuminate said bulb, said contact member adapted when said cap is screwed rearwardly to move away from contact with said battery and extinguish said bulb, a plurality of rattle members loosely housed in said head portions, a guard attached to the lower head portion and surrounding the top and sides of said electric light bulb to protect it from breakage by said rattle members, and an attaching means on said handle for removably attaching the device to a crib to act as a lamp.

2,470,613
ELECTRIC CAM SNAP SWITCH
Arthur C. Gaynor, Stratford, Conn., assignor to Joseph F. Gaynor, Milford, Conn.
Application April 18, 1945, Serial No. 589,026
11 Claims. (Cl. 200—68)

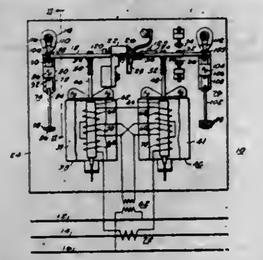


11. An electric switch comprising a casing having two separable halves, one of said halves having an opening therethrough; a contact fixedly mounted in the other half of the casing; a metal arm mounted in the contact-carrying half of the casing, the arm being movable and adapted to engage and disengage the said contact, and being yieldably maintained in engagement with the latter; a sloping projection on the arm; an operating member extending into the opening of the said one casing half for pivotal movement therein, said member having a portion engaging the projection of the arm for camming operation of the latter whereby opposite movements of the lever and arm-engaging portion thereof cause the said arm to respectively engage and disengage the contact; bearing plates on opposite sides of the operating member, pivotally connected to the latter, the walls of the opening of the said one casing half being recessed to slidably receive and nest the bearing plates and prevent the same from turning; and means associated with the bearing plates and operating member for preventing movement of the latter beyond either of two limits at which the arm respectively engages and disengages the contact.

2,470,614
RELAY
Ralph A. Geiselman and William H. Cuttino, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 27, 1944, Serial No. 533,098
7 Claims. (Cl. 200—98)

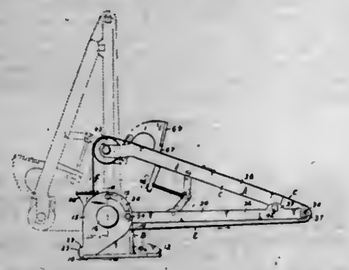
7. In a relay, in combination, a pair of spaced stationary contact members, a movable contact member, a contact arm for carrying the movable contact member, a pivot for mounting the contact arm, a pair of electromagnets disposed in spaced relation on opposite sides of the pivot to actuate the contact member, each of the electromagnets having a core member, a voltage responsive winding, and a pair of current responsive windings symmetrically placed with respect to the voltage responsive winding on the core member, the pair of current responsive windings being connected in series but being oppositely wound, the windings on the one core

member being so proportioned that when oppositely energized to the energization of the corresponding windings on the other core member the core members are simultaneously positionally varied in opposite directions to thereby actuate the contact arm to move the movable contact into selective engagement with the stationary contact members, a pair of adjustable weights positioned in spaced relation to one another in the path of movement of the pivot-



ally mounted contact arm, the weights being disposed to be selectively carried by the contact arm depending upon the direction of movement thereof about the pivot, the weights cooperating with the energization of the windings to control the selective engagement of the contact members, and magnetic means associated with the contact arm effective when a weight is carried by the contact arm to effect a positive accelerated action in the selective engagement of the contact members.

2,470,615
SANDER
Lyndon V. Grover, Los Angeles, Calif.
Application April 4, 1947, Serial No. 739,304
5 Claims. (Cl. 51—135)



1. A sander including two arms pivoted together adjacent similar ends, means connecting said arms to relatively adjust them with scissors-like action, pulleys on said arms, an endless belt trained about said pulleys, and means carried by one of said arms underlying said belt to provide a backing surface for the belt, said adjusting means including two toggle links connected together at similar ends and at their other ends pivotally connected respectively to said arms, a bolt connected at one end to the pivotal connection of said links to each other, a support as a part of one arm receiving said bolt and means threaded on said bolt and bearing against said support to effect movement of the pivotal connection of said links towards and away from said support to thereby vary the angular adjustment of said arms.

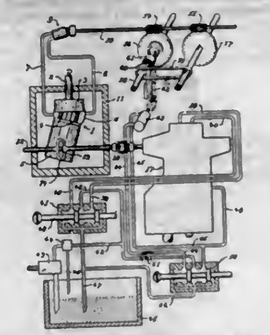
2,470,616
SHOCK ABSORBER
Ralph M. Harmon, Wichita, Kans., assignor to Beech Aircraft Corporation, Wichita, Kans., a corporation of Delaware
Application June 25, 1946, Serial No. 679,054
5 Claims. (Cl. 267—64)



1. The herein disclosed shock strut construction comprising companion tubular piston and cylinder members, an extension stop for limiting the extension movement of said members including a stem projecting inwardly from the outer end of one of said members, having an extension stop head at the inner end of the same and a stop plate carried by and at the inner end of the other of said members in position to operate freely over said stem in back of said extension stop head, a rebound check cylinder extending from the outer end of said other member inwardly over said extension stop head and having a ported orifice plate at the inner end of the same disposed between the stop plate carried by said last mentioned other member and said extension stop head carried by the first mentioned member and means for guiding said check cylinder for free longitudinal shifting movements between the outer end of said member and said stop plate at the inner end of said member and whereby said ported orifice plate at the inner end of said check cylinder will be jointly controlled by said stop plate and said extension stop head at the opposite sides of the same.

2,470,617
CONTROL FOR VARIABLE DISPLACEMENT PUMPS
William M. Hoddinott, Springfield, Mass., assignor to Van Norman Company, Springfield, Mass., a corporation of Massachusetts
Application August 28, 1944, Serial No. 551,466
4 Claims. (Cl. 103—38)

1. A hydraulic drive comprising a variable delivery pump adjustable on both sides of neutral to preset feed and rapid traverse positions, and means for adjusting the pump comprising a rod, a pair of plungers connected to the rod to move it in opposite directions, a single abutment positioned to limit said movement of both said plungers, and means to shift said abutment between



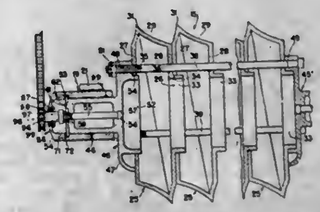
positions giving respectively a long and a short travel to the plungers.

2,470,618
ELECTRICAL APPARATUS
Lawrence T. Holden, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application March 26, 1946, Serial No. 657,303
4 Claims. (Cl. 173—324)



2. In an electrical assembly for mechanically and electrically coupling first and second chassis cards which are disposed substantially in a single plane and have adjacent edges opposing each other, the combination of a plurality of straps of springy electrical conducting material disposed in substantially parallel spaced relationship and spanning the said edges, each of said straps having a proximal end portion secured to the first card and having a distal end portion extending beyond the said edge of said second chassis card, said straps being secured to said first card at spaced points along its said edge, the distal end portions of successive straps being sprung slightly in opposite directions and provided with oppositely extending eyelet engaging projections, a like plurality of eyelets secured to the second chassis card adjacent its edge aforesaid so as to be lined up respectively with the several straps aforementioned, so that the eyelet engaging projection on each strap may engage one of said eyelets, the distal end portions of successive straps being positioned on opposite sides of the second card, and the spring action of the straps maintaining the projections in separable operable engagement with the respective eyelets.

2,470,619
SOIL PULVERIZER
William A. Hyland, Horicon, Wis., assignor to John Deere Van Brunt Company, a corporation of Wisconsin
Original application May 28, 1943, Serial No. 488,930, now Patent No. 2,418,937, dated April 15, 1947. Divided and this application August 30, 1944, Serial No. 551,926
5 Claims. (Cl. 55—77)



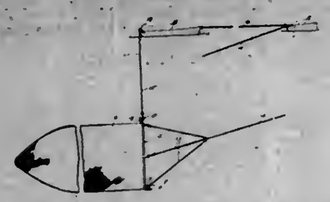
1. In a soil packer, pulverizer, or the like, a plurality of soil-engaging wheels, each consisting of a member having laterally spaced sides the outer portions of which are connected by a rim portion of V-section, forming a cutting edge that is disposed in a plane making an acute angle with respect to the axis of said wheel member, the sides of said wheel member being disposed in parallel planes perpendicular to said axis.

2,470,620
UNITARY CLOSURE AND MASK FOR CATHODE-RAY TUBES
Donald Jackson, Cambridge, England, assignor to Pye Limited, Cambridge, England, a company of Great Britain
Application November 15, 1946, Serial No. 710,119
In Great Britain September 27, 1945
2 Claims. (Cl. 178—7.5)



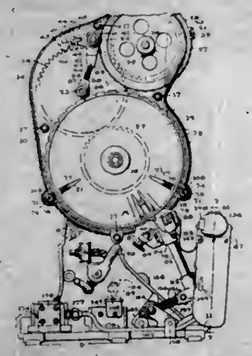
2. A closure for mounting on a television receiver cabinet in closing relation to an opening therein and in front of the cathode ray tube of the receiver, said closure consisting of a one-piece moulding of transparent material including a front portion and a flange portion forming a side wall extending around the periphery of said front portion, said front portion comprising a portion which is of outwardly curved cross-sectional configuration and merges into a peripheral marginal portion surrounding said outwardly curved portion, said marginal portion being flared divergently outwardly from said curved portion, a coating of opaque material applied to said flange portion and to said marginal portion to render said flange portion and said marginal portion opaque to form a masking frame surrounding said curved portion of said front portion which is left transparent to form a viewing window.

2,470,621
FISHING NET
Arne Jacobsen, Accord, N. Y.
Application March 2, 1945, Serial No. 580,530
1 Claim. (Cl. 43—7)



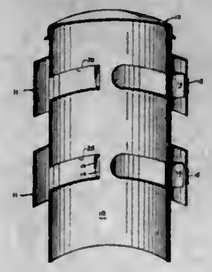
In a trolling net, a net portion, a rectangular rigid frame secured to the open end of the net, providing the mouth of the net, a wide fin pivotally connected with the lower side of the rectangular frame, arms secured to the lower side of the frame, said arms having openings, adjusting bolts secured to the fin and being extended through said openings, and nuts on the adjusting bolts and adapted to regulate the angle of operation of the fin, thereby controlling the depth of operation of the net.

2,470,622
LAUNDRY MARKING MACHINE
William J. Keuper, Cincinnati, Ohio, assignor to The National Marking Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application August 10, 1944, Serial No. 548,863
8 Claims. (Cl. 101—94)



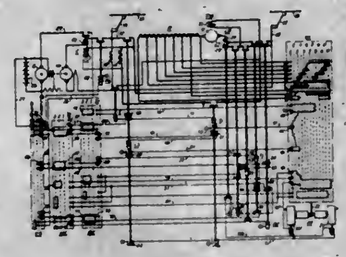
1. In a machine of the class described including a type assembly adapted to locate type at printing position, the combination of a platen-carrier rockable from normal to printing position and return, a platen slidably mounted on said platen-carrier and on which an article to be marked is adapted to be held by the operator, fluid pressure means for moving said platen toward type at printing position to take an imprint therefrom, an electro-magnetic device controlling said fluid pressure means, an electric circuit including said device and a source of electric current, a switch in said circuit, and means adapted to close said switch upon movement of the platen-carrier to printing position.

2,470,623
VENTILATOR CAP
Jack W. Kice, Wichita, Kans., assignor to The Coleman Company, Inc., Wichita, Kans.
Application July 11, 1947, Serial No. 760,480
2 Claims. (Cl. 98—66)



1. A vent cap comprising: an inner shell formed by bending a flat sheet of material into substantially cylindrical form with the ends of the sheet over-lapped; a cap closing one end of the formed shell and adapted to aid in holding the ends of the sheet in overlapped relation; perforated outwardly projecting ears, one cut from each overlapped end of the sheet; a bolt through the perforations in said ears; a nut on the bolt for rigidly clamping the open end of said shell in operating position on the open end of a vent pipe; circumferentially spaced outwardly projecting brackets cut from the material of said sheet; a vent opening in the shell between each adjacent pair of said brackets; and a shield for said vent openings supported in spaced concentric relation to the inner shell by the outer ends of said brackets, said shield also being formed by bending a flat sheet of material into substantially cylindrical form with the ends of the sheet overlapped, and having perforations for receiving the outer ends of said brackets, at least one of said brackets having its outer end passed through the overlapped ends of the shield.

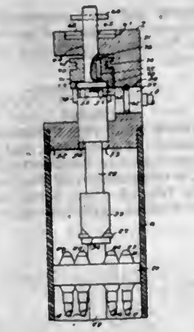
2,470,624
DYNAMIC BRAKING CONTROL SYSTEM
Bernard J. Krings, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 13, 1947, Serial No. 734,333
7 Claims. (Cl. 318—375)



1. In a control system, in combination, a motor, power conductors for the motor, electro-

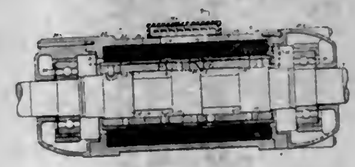
magnetic switching means for establishing dynamic braking circuit connections for the motor, a controller for controlling the operation of said switching means, a source of power for energizing said controller, and relay means responsive to the dynamic braking current and the voltage of said power conductors for maintaining the energizing circuit for said controller during dynamic braking.

2,470,625
NO-LOAD TAP CHANGER
Edmund W. Kuhn, Cortland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 20, 1947, Serial No. 775,319
6 Claims. (Cl. 200—4)



1. A tap changer for transformers comprising an insulating tube, a horizontally disposed terminal board of insulating material within the tube, a plurality of stationary contact members mounted on and extending upwardly from said terminal board and arranged substantially in the arc of a circle, a shaft extending vertically upwardly centrally of the circle of said contact members, a contact arm carried by and offset from said shaft and a bridging contact member mounted on said contact arm and adapted to engage a pair of said stationary contact members, an operating mechanism mounted at the upper end of said tube and comprising a housing, a follower shaft within the housing connected to said first named shaft, a driven gear keyed to rotate with said follower shaft and having a plurality of downwardly extending teeth, a driving gear comprising a cylindrical body portion positioned with its axis at right angles to the axis of the shaft and having a single tooth movable eccentric of the axis and continuously engaging the follower shaft to raise and lower the shaft, the tooth of said pinion gear being so arranged as to engage between two adjacent teeth on said driven gear for rotating the shaft a predetermined amount corresponding to the arc between successive switch positions while the shaft is in its upper or circuit open position, said gears being operable during each rotation of the driving gear to raise the shaft to a switch interrupting position, rotate the shaft to the next step position of the switch, and to lower the shaft to a switch closing position.

2,470,626
ELECTROMAGNETIC TORQUE RESPONSIVE DEVICE
Bernard F. Langer and Kenneth L. Wommack, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 30, 1946, Serial No. 694,062
3 Claims. (Cl. 73—136)



1. Strain responsive apparatus comprising, in combination, a stationary electromagnetic flux producing unit, a rotor assembly including a pair of spaced magnetic rings having projections disposed in interlocking relation so that small magnetic airgaps are formed therebetween, said rings being resiliently connected to permit relative movement in a direction to vary said magnetic airgaps, said rotor being disposed to be linked by the flux produced by said electromagnetic unit, and means of nonmagnetic material disposed in said rotor and being constructed and arranged to form gaps of lesser dimensions therebetween than said magnetic airgaps to limit the range of movement of said rings and, hence, the variation of said magnetic airgaps.

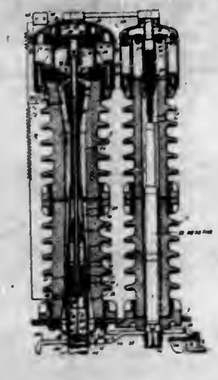
2,470,627
PHOSPHOR
Humboldt W. Leverens, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application October 24, 1945, Serial No. 624,322
1 Claim. (Cl. 252—301.6)

A phosphor material for a cathode ray beam tube consisting of zinc fluoride crystallized with cadmium and 0.001 to 0.1 mole of manganese activator per mole of zinc fluoride, said cadmium fluoride being not more than 90% of the zinc fluoride.

2,470,628
CIRCUIT INTERRUPTER
Leon R. Ludwig, Wilkinsburg, Herbert J. Webb, Forest Hills, and Benjamin P. Baker, Turtle Creek, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 24, 1944, Serial No. 537,074
11 Claims. (Cl. 200—148)

1. In a circuit interrupter of the gas blast type, means defining an orifice, a stationary contact disposed above the orifice on the low pressure side thereof, a movable contact separable from the stationary contact and movable through the orifice to draw an arc therethrough into the high pressure side of the orifice, a conducting member disposed adjacent to the orifice, and impedance means constantly connected in parallel with the contacts and having a tap connection to the conducting member to control the division of recovery voltage after arc extinction between each of

said contacts and said conducting member generally in accordance with the dielectric strength



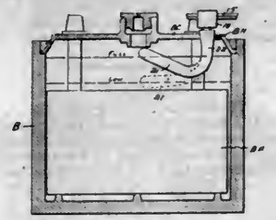
of the gaseous medium on the respective sides of said orifice.

2,470,629
PROCESS OF EMULSION POLYMERIZING BUTADIENES
Gerry P. Mack, Jackson Heights, N. Y., assignor to Advance Solvents & Chemical Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 30, 1944, Serial No. 561,158
2 Claims. (Cl. 260—23.7)

2. In a process of emulsion polymerizing, a monomeric material selected from the group consisting of the monomer of butadiene-1,3, isoprene, 2,3-dimethyl butadiene-1, 3,2-halo-butadiene-1,3, and mixtures of these monomers with other monomeric vinyl compounds capable of forming with said monomers solid copolymers in aqueous emulsion, the steps of emulsifying the monomeric material with water in the presence of an emulsifying agent and of an emulsion stabilizer which is the condensation product of about 3 moles of naphthalene beta-sodium sulfonate and about 3 moles of a sodium sulfonate of a mixture of ortho, meta and para terphenyl with about 5 moles of formaldehyde, and subjecting the emulsion thus formed to heat polymerization.

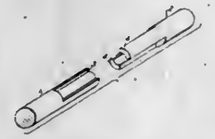
2,470,630
LIQUID LEVEL ALARM PARTICULARLY FOR STORAGE BATTERY ELECTROLYTES
Rene J. Marcou, Newton, Mass.
Application September 7, 1946, Serial No. 695,514
9 Claims. (Cl. 200—84)

5. In a device for signalling the electrolyte level of storage batteries of the type having one or more cells containing electrode plates and having cell top covers, an elbow-like hollow rubberous tube comprising generally horizontal and vertical legs and a curved flexure-hinge portion connecting them, the horizontal leg being integrally closed at the free end for buoyant reception by electrolyte of a battery cell and the vertical leg defining a portion for pendent support by a cell top cover and having a non-conductive stopper closing and sealed in the upper end thereof, external connector posts carried by the stopper, insulated conductors connected to said posts and extending to a point adjacent the closed end of the tube and there presenting bare terminal portions, and gravity movable circuit closer means held in and by the tube for movement toward and from the



integrally closed end and cooperating with said terminal portions to make and to break a circuit thereat upon flexing lowering and raising of said end respectively.

2,470,631
SLIDING JOINT FOR TRANSMISSION LINES
Cyril E. McClellan, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 28, 1943, Serial No. 496,520
3 Claims. (Cl. 174—21)

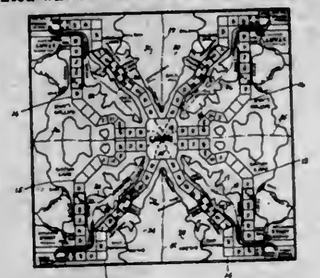


1. A concentric transmission line comprising a core conductor provided with a sliding joint comprising a first member having a plurality of arcuate projecting fingers of conducting material separated circumferentially by gaps, and a second member of conducting material having the same outside diameter, and having a plurality of circumferentially displaced channels positioned and dimensioned to engage said fingers in sliding contact, the two portions of said linear conductor projecting in opposite directions from said joint, and a sheath conductor comprising two tubular portions of the same inside and outside diameters one said portion having projecting fingers circumferentially separated by gaps and the other having channels adapted to engage the surfaces of said fingers in sliding contact.

2,470,632
CHANCE CONTROLLED GAME BOARD
Norman McLeod, Cleveland, Ohio
Application December 29, 1945, Serial No. 638,026
14 Claims. (Cl. 273—134)

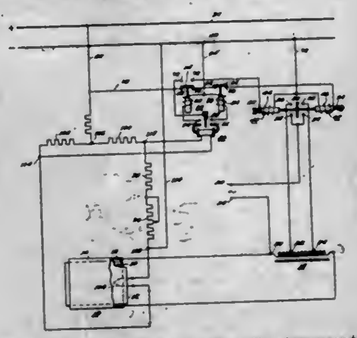
1. In a board game apparatus, a board acting as a playing field having portions simulating land areas and other portions simulating water areas with one of said simulated water areas being substantially in the center of said board, a plurality of lanes superimposed upon said board along portions of the board simulating water

areas, each of which lanes passes through the simulated water area at the center of the board,



and each of said lanes having division means to form spaces which carry one or more numerals.

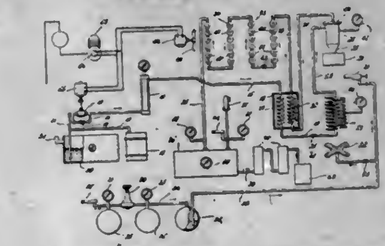
2,470,633
TEMPERATURE CONTROL SYSTEM
Clarence L. Merahon, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 30, 1947, Serial No. 794,526
2 Claims. (Cl. 219—20)



1. In a system for controlling the temperature of a window having a resistor heating element associated therewith, in combination, a transformer disposed to be connected in circuit between the resistor heating element and a source of supply, a tap changing means including a pair of windings disposed to be selectively energized to control the connections of the transformer in said circuit, a pair of contactors disposed to be selectively energized, one of the contactors being disposed when energized to connect one of the windings to be energized, the other one of the contactors being disposed when energized to effect the deenergization of the other one of the windings, said pair of contactors cooperating when deenergized to connect said other one of the windings to be energized, a polarized relay disposed for operation to control the selective energization of the contactors, and a resistance bridge circuit having a resistor associated with the window whereby the resistance thereof varies as the temperature of the window varies, the polarized relay being connected across the resistance bridge circuit to be energized in accordance with the electrical unbalance thereof.

622 O. G.—57

2,470,634
APPARATUS FOR DELEADING GASOLINE
John D. Morgan, South Orange, Sylvan R. Merley, Riverton, and Wayne E. Smith, Haddonfield, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Original application May 8, 1945, Serial No. 592,578. Divided and this application February 7, 1946, Serial No. 646,032
2 Claims. (Cl. 196—2)

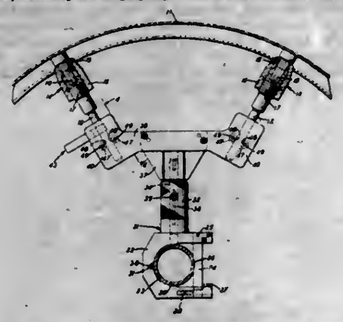


1. A portable unit for removing ethyl anti-knock compounds from gasoline comprising an inlet for liquid ethyl gasoline, a pump connected to said inlet, a pipe coil defining a heating zone, a first conduit connecting the outlet of said pump with the inlet of said zone, means for regulating the quantity of liquid ethyl gasoline delivered by said pump to said coil, a gasoline burner for heating said coil, means for regulating said burner said pump and burner regulating means serving conjointly to control the temperature in said coil within the range of from 750° F. to 850° F. whereby to vaporize such gasoline and decompose its contained ethyl anti-knock compounds, a centrifugal separator for separating ethyl decomposition products from vapor generated in said coil, a second conduit connecting the outlet of said coil to the inlet of said separator, a series of interconnected finned tubes serving as a vapor condenser, a fan for discharging air at normal atmospheric temperature over said tubes, a third conduit connecting the outlet of said separator with the inlet of said condenser, and a heat interchanger having its hot side constituting a portion of said third conduit and its cold side constituting a portion of said first conduit.

2,470,635
GAUGE FOR CHECKING THE POSITIONS OF PARTS MOUNTED ON THE INNER PERIPHERIES OF CYLINDRICAL ARTICLES
Earl C. Moss, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 10, 1946, Serial No. 682,674
4 Claims. (Cl. 33—180)

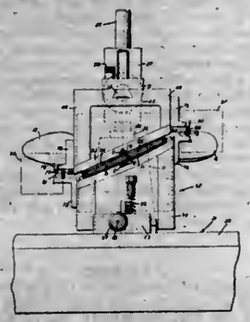
3. A gage for checking the position of a part, mounted on the inner periphery of a cylindrical article, with respect to a given line radially of the centerline of the article, the gage comprising a bar, a chuck supporting the bar and actuable for mounting on the part and securing the bar in alignment with the part, a support mountable with its centerline coinciding with the centerline of the article, a carriage movable in a guided path on the support relative to the bar, an arm supported by the carriage, movable therewith in the guided path and having a gaging surface, lying in a plane parallel with the said given radial line, to engage the bar, means cooperating with the gaging surface and the bar to indicate

whether or not the part is within predetermined limits of the said given radial line in one direction, and spaced gaging members carried by the



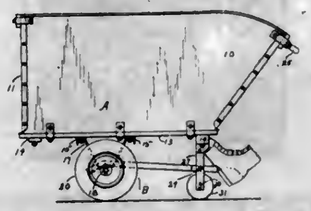
arm and extending at like angles from the gaging surface to receive the bar therebetween if the part is within predetermined limits of the said given radial line in another direction.

2,470,636
GAUGING APPARATUS
Earl C. Moss, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1946, Serial No. 683,180
2 Claims. (Cl. 33—174)



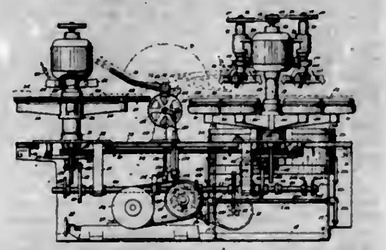
2. A gaging apparatus comprising a base having a horizontal, plane reference surface, a vertical shaft rigid on the base and conditioned to removably receive and rigidly support a correspondingly bored article to be gaged, a horizontally extending arm slidably and rotatably supported on the shaft, a first gage member shiftable on the arm radially of the shaft and vertically slidable with the arm on the shaft to be applied to one surface of a specific portion of an article on the support at a predetermined site thereon and in predetermined orientation thereto, a second gage member removably and adjustably supportable on the base to be applied to an opposite surface of the said portion of the article, aligning means on the first gage member, and aligning means on the second gage member to coact with the aligning means on the first gage member to effect accurate registration of the two gage members in predetermined relation.

2,470,637
FEED TRUCK AND MEANS FOR REMOVING FEED THEREFROM
John B. Olson, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a company of Wisconsin
Application May 14, 1947, Serial No. 747,930
6 Claims. (Cl. 280—43)



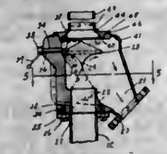
1. A feed truck of the character described comprising, a feed box the rear panel of the feed box being rigidly secured to the side panels, and positioned obliquely upwardly and rearwardly near a 45 degree angle to the bottom of the box, two transversely spaced carrying wheels rotatably mounted on said box forward of the longitudinal center thereof, transversely spaced arms transversely hinged at their upper ends to the rear bottom corners of the box, relatively small carrying wheels transversely rotatably mounted on the lower ends of said arms, a controlling element hinged to said arms a distance from the hinges thereof and extending forwardly a distance, means on the forward end of said controlling element for locking the arms in a vertical position, means for manually unlocking said locking means to permit said relatively small wheels to swing upwardly on the arm pivots as an axes and thereby lower the rear end of the box for shoveling or forking material from the box.

2,470,638
APPARATUS FOR WORKING PLASTIC MATERIAL
Clifford H. Parmelee and Arthur J. Briggs, Syracuse, N. Y., assignors to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application December 14, 1945, Serial No. 634,926
10 Claims. (Cl. 25—24)



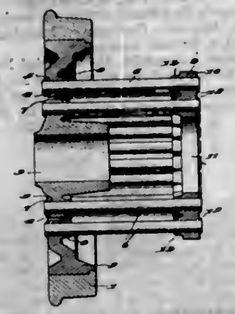
1. Apparatus of the type described including mechanism for spreading blanks of clay to bat form on a succession of transfer members, mechanism for successively moving said members through an arc to invert the same and deposit the bats on a succession of molds, mechanism operable to jigger the bats on said molds successively, and motion transmitting means for operating said mechanisms in timed relation.

2,470,639
EDUCTION HEAD FOR AIR LIFTS
John A. Piersol, Indianapolis, Ind.
Application March 20, 1946, Serial No. 655,734
9 Claims. (Cl. 183—103)



1. In an air lift system eduction head structure, having chamber forming means with substantially aligned opposite air and liquid mixture inlet and air outlet openings and a laterally discharging liquid discharge opening, the combination therewith of a dividing fin between the aligned openings and in the chamber opposite the lateral opening and directed toward the same, and drip lip forming means having its inner edge directed downwardly and defining the upper and air outlet opening.

2,470,640
WHEEL WITH RESILIENT SPOKES
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Substituted for application Serial No. 491,214, June 17, 1943. This application February 14, 1947, Serial No. 728,392
3 Claims. (Cl. 295—14)



2. A spoke for a wheel having the general shape of a U, the legs being individual metallic bars parallel with each other, and a coupling joining said bars, said coupling having two parallel openings through which said bars extend, said bars each extending entirely through said openings and being fixedly secured to said coupling only at their outer ends, said coupling having cylindrical tapered collars integral therewith and encompassing each of said spokes for a distance along their length at the side away from that to which said bars are secured.

2,470,641
DISINTEGRATED NEWSPRINT-BORIC ACID INSULATION COMPOSITION
Frederick G. Portz, Waukesha, Wis.
No Drawing. Application May 12, 1945, Serial No. 593,528
2 Claims. (Cl. 252—62)

2. An insulation composition consisting of approximately twenty-five pounds of dry powdered boric acid mixed with seventy-five pounds of dry disintegrated newsprint.

2,470,642
LOOPER
Roy H. Randall, Manchester, Mich.
Application January 13, 1947, Serial No. 721,841
2 Claims. (Cl. 112—201)



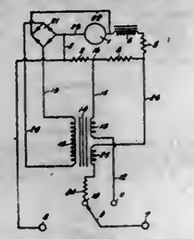
1. A looper comprising a shank, a narrow cross arm on the end of the shank having a flat face on its rear side, a head extending across one end of the arm lying in a plane forward of the rear side of the arm, the forward extremity of the head forming a loop picking point, the other extremity forming a cast off point, the forward side of the arm being bowed outwardly from the head and meeting the rear side of the arm at the opposite side of the shank to form a wedge shaped loop divider, said head in rear of the loop picking point being provided with a needle passage, the latter extending along the side of the arm and across the axis of the shank.

2,470,643
LIGHT SWITCH
Herman P. Rath, North Bergen, N. J.
Application August 10, 1945, Serial No. 610,139
7 Claims. (Cl. 200—155)



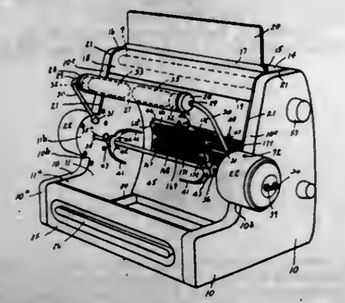
1. A switch device comprising a pair of tubular members through the axis of one of which an electric cord is adapted to pass, one member being fixed on the cord and including an enlarged casing forming a chamber around one end thereof, the other member being rotatable on the first member and in said chamber, a cover detachable with said casing and having an aperture registering with the bore of the fixed tubular member, said fixed tubular member having spaced electric contacts extending into said chamber, the ends of one conductor of the cord being adapted to extend radially into said chamber for engagement with said electric contacts, the spaced contacts normally breaking the circuit through said conductor, and said rotatable member having in said chamber a spring contact adapted to bridge said spaced contacts in placing the same in electric communication in one position of said rotatable member.

2,470,644
ELECTRICAL MEASURING INSTRUMENT
John Cecil Redman, Harrow Weald, England
Application November 19, 1946, Serial No. 710,782
In Great Britain November 19, 1945
7 Claims. (Cl. 171—95)



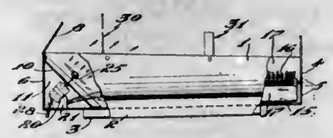
1. A permanent magnet, moving coil, electrical measuring instrument including in combination a rectifier having alternating current terminals, electrical connections connecting the direct current terminals of said rectifier to the instrument movement, an instrument movement circuit including a resistance shunt, an inductance in series with said shunt, a transformer having its secondary winding connected across the alternating current terminals of the rectifier, and an input lead connected to the resistance shunt through a primary winding of the transformer.

2,470,645
PORTABLE ELECTRIC BARBECUE
James H. Reichart, Muncie, Ind.
Application August 2, 1943, Serial No. 496,987
10 Claims. (Cl. 99—421)



1. A barbecue and like device including in combination an open face housing, a rotatable spit in the open face thereof and above the base of the housing, heating means in the housing rearwardly of the spit position, an open top drawer type tray conforming to and closing the lower front portion of the housing and positioned forwardly of as well as beneath the spit and extending into the housing an appreciable distance behind the spit, and a generally vertically directed and apertured deflector positioned rearwardly of the spit position and through the aperture of which said heating means is exposed, the lower end of the deflector terminating forwardly of the back of the drawer type tray and above the top of the sides thereof.

2,470,646
CLOTHES DRIER
Charles L. Richardson, Belmont, Mass.
Application March 24, 1948, Serial No. 16,703
5 Claims. (Cl. 34—239)



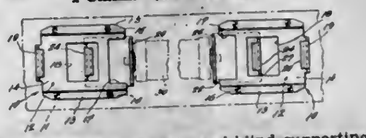
1. A portable clothes drier comprising an elongate crib-like body having a closed end and a partition extending diagonally from the bottom wall portion to the outer edge of said closed end so as to define an enclosed chamber, heating elements extending along the bottom wall portion of said body between the inner end of said partition and the other end of said body, a screen extending above said heating elements so as to divide the interior of said body into longitudinally extending inner and outer flow channels, a motor within said chamber having its shaft extending through said partition, a fan carried by the projecting end of said shaft, the parts being so constructed and arranged that said fan induces a flow of air through the inner channel about said heating elements toward said fan and against said partition and a counterflow of heated air toward said opposite end, and a rack for supporting articles to be dried so that they are suspended in said outer flow channel where they are subjected both to radiation from said heating elements and the counterflow of heated air.

2,470,647
ARMATURE CONSTRUCTION FOR DYNAMO-ELECTRIC MACHINES
Leslie Roberts, Bradford, England, assignor to The English Electric Company, Limited, London, England, a British company
Application August 21, 1947, Serial No. 769,932
In Great Britain September 10, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 10, 1961
4 Claims. (Cl. 171—321)



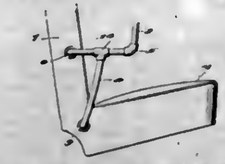
1. In an armature for a dynamo-electric machine, a cylindrical commutator having a plurality of segments, each of said segments having a lug at one end thereof which is thinner than the segment, an armature conductor brazed to each of said lugs, the combined thickness of the conductor and lug being less than the thickness of the segment, insulating means substantially filling the spaces between adjacent lugs, and a ring element disposed between said lugs and the cylindrical surface of the commutator, said ring element extending radially substantially the same distance as the lugs.

2,470,648
COMBINED ADJUSTABLE CURTAIN AND BLIND BRACKET
John J. Rohleder, Baltimore, Md.
Application August 21, 1947, Serial No. 769,935
1 Claim. (Cl. 248—263)



In an adjustable curtain and blind-supporting bracket, the combination with a body plate provided with a longitudinally-extending out-pressed portion, a side strip arranged on each side of said out-pressed portion, there being a plurality of spaced apertures arranged in said side strips for receiving fastening elements for securing said body plate to a supporting surface, said body plate being provided with an opening therein intermediate its ends, a prong arranged at right angles with respect to said body plate and having one end secured thereto for supporting a curtain rod, of an adjustable plate interposed between said supporting surface and said body plate and frictionally engaged by the out-pressed portion of the latter, a transversely-extending prong having one end secured to said adjustable plate and projecting through the opening in said body plate for supporting a curtain rod, a shoulder arranged on each side of said last-named prong for preventing binding of said prong in said opening, and a transversely-disposed apertured arm projecting from said adjustable plate for supporting an end of a shade roller.

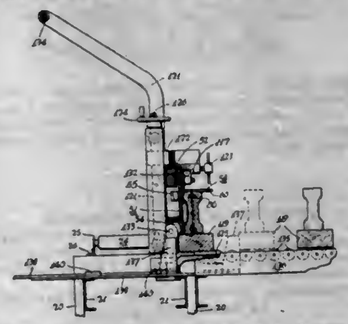
2,470,649
ARMREST AND STANCHION
William T. Rossell, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application January 22, 1945, Serial No. 573,831
6 Claims. (Cl. 155—16)



2. The combination of a vehicle seat, a stanchion secured to and extending from the ceiling of the vehicle downwardly to a point alongside the end of said seat and terminating substantially above said seat, and an arm rest secured to and extending from the back of said seat substantially horizontally and fixedly secured to the bottom of said stanchion, said arm rest and said stanchion by their construction leaving a clear space immediately opposite and above the end of said seat.

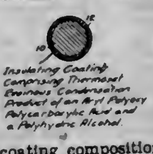
2,470,650
MACHINE FOR MAKING REINFORCED CONCRETE BEAMS
William N. Russell, Philadelphia, Pa.
Application January 16, 1948, Serial No. 2,607
21 Claims. (Cl. 25—41)

1. In a molding machine the combination with an elongated conveyor of a relatively fixed upright wall member substantially parallel to and adjoining one side of the conveyor, a carriage mounted for movement on the conveyor and having one edge thereof contiguous to the surface of said upright wall member, said carriage forming the bottom wall of a mold of which the said



upright wall member forms one side, and opposite side and end wall mold members supported on said carriage, said conveyor extending beyond an end of the side wall member so as to permit movement of the bottom, the other side and the end walls of said mold to a position clear of the relatively fixed side wall.

2,470,651
POLYMERS OF CONDENSATION PRODUCT OF ARYL DIETHER DICARBOXYLIC ACID AND DIHYDRIC ALCOHOL
Gerson S. Schaffel, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 23, 1944, Serial No. 536,878
12 Claims. (Cl. 260—75)

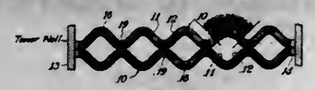


1. A liquid coating composition comprising a volatile solvent having dissolved therein a thermosettable polyester derived by heating a dihydric alcohol having no reactive groups other than the hydroxyl groups and resorcinol-O, O-diacetic acid in the presence of a catalyst selected from the group consisting of zinc chloride, sulfuric acid, aluminum chloride, antimony fluoride, antimony chloride, and boron trifluoride until condensation therebetween and cross-linking of the condensation product has occurred, the proportions of said alcohol and acid being stoichiometrically equal.

2,470,652
INDUSTRIAL CONTACTING MATERIAL
Raymond C. Seofield, Hitchcock, Tex., assignor to Pan American Refining Corporation, Texas City, Tex., a corporation of Delaware
Application November 30, 1946, Serial No. 713,333
14 Claims. (Cl. 261—95)

1. An apparatus for countercurrent contacting of vapor and liquid comprising a plurality of

superposed porous mats of undulating shape, the ridges of each mat contacting the troughs of the mat above it to provide for downward flow of liquid through said apparatus, each mat comprising a plurality of undulating foraminous



metal sheets in capillary contact, the openings in said sheets being larger than capillary size and in nonregistering relation, thereby forming tortuous vapor passages through said mats unsealed by said liquid.

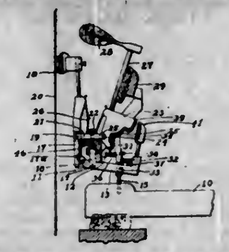
2,470,653
RESISTANCE THERMOMETER
Earl L. Schulman and Adam C. Beller, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 10, 1946, Serial No. 1,655
5 Claims. (Cl. 201—63)



1. A resistance thermometer comprising a resistance element disposed in a casing comprising an insulating thermoset resin to insulate the resistance element and to provide a member of predetermined shape, the resistance element being formed of an alloy of iron with from 26% to 31% nickel, 17.5% to 19.5% cobalt, 0.2% to 0.5% manganese, 0.05% to 0.2% silicon, and 0.01% to 0.05% carbon, the alloy having been formed into wire and annealed for about one hour at a temperature of between 800° C. and 1100° C. in a reducing, non-carburizing atmosphere, the resistance element having after annealing a specific resistance at least 25 times that of copper, and an average temperature coefficient of resistance between 0° C. and 100° C. substantially equal to that of copper between 0° C. and 100° C.

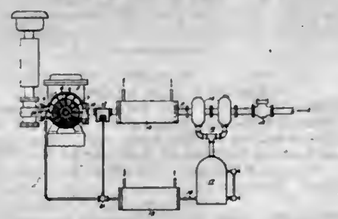
2,470,654
PIANO ACTION
Wallace H. Schults, Perkasie, Pa.
Application July 15, 1946, Serial No. 683,635
5 Claims. (Cl. 84—240)

1. In a piano action having the usual fixed frame rail and keyboard, a bridge secured across said rail, a damper lever pivoted on the front end of said bridge, a tone damper on said lever, a hammer carrying butt pivoted on the rear end of said bridge, a single resilient member secured on the bridge between and engaging both the hammer and the damper and tending to swing the same apart, said butt having a rearwardly projecting back-check and a downwardly projecting heel, a wippen across and pivoted to the underside of said rail, an upstanding jack hinged directly on the wippen, a spring interposed between



the jack and a part of the wippen tending to hold said jack in contact with said butt, and means carried on the jack for engagement with the butt heel for determining the relative positions of the parts for obtaining desired touch.

2,470,655
COOLING AND LUBRICATION OF COMPRESSORS
Melvin C. Shaw, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 12, 1944, Serial No. 539,807
8 Claims. (Cl. 230—207)



1. The method of cooling and lubricating an air compressor having air inlet and discharge ports communicating with a compression chamber, which comprises, preparing a composite liquid comprising a solution of water-soluble oil in water, so compounding said liquid that the proportion of water and water-soluble oil is such that if said liquid is injected into said chamber there is at least such an excess of water that the oil will remain in solution in water during the compression process, and such solution will be discharged with the air from said discharge port, and injecting said liquid into said chamber while said compressor is in operation to cool and lubricate said compressor.

2,470,656
SLIDING VANE ROTARY COMPRESSOR
Christopher Sherrock, Preston, England
Application July 16, 1946, Serial No. 684,525
In Great Britain July 27, 1945
2 Claims. (Cl. 230—157)

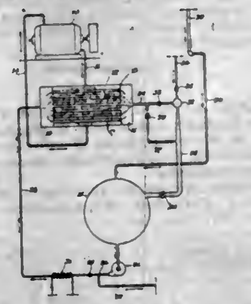
1. A rotary compressor including a soft light alloy rotor, trunnions and flat hard metal vanes, wherein said vanes are caused to slide through said trunnions which have an oscillatory motion in the rotor, each trunnion consisting of at least

two materials interposed between the vanes and the light alloy of the rotor one of such materials being arranged to give a combination of surfaces selected for its suitability where the sliding mo-



tion of said vanes occurs and the other arranged to give a combination of surfaces selected for its suitability where the oscillatory motion of the trunnion occurs.

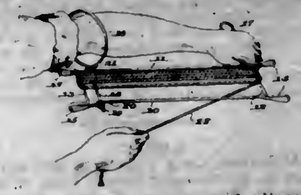
2,470,657
APPARATUS FOR COOLING AIR BY THE EVAPORATION OF LIQUIDS
Frank C. Simonds, Moylan, Pa.
Application March 21, 1947, Serial No. 736,247
6 Claims. (Cl. 62—152)



1. In apparatus for cooling a fluid, a heat exchanger having primary and secondary cooling fluid passages therein in fluid sealed and heat exchange relationship with respect to each other, a primary cooling fluid conduit system connected to said primary cooling fluid passages of the heat exchanger, an exhaust steam line, a condenser operating under vacuum and connected to said exhaust steam line to receive steam therefrom and condense the same, a pipe system for introducing at least a portion of said condensate from said condenser into one end of the secondary cooling fluid passages of said heat exchanger, and a second pipe system connecting the vacuum side of said condenser to the other end of said secondary fluid passages of the heat exchanger to reduce the pressure therein and vaporize the condensate thereby cooling the primary cooling fluid passing through said heat exchanger.

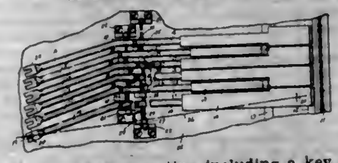
2,470,658
REEL ASSEMBLY
Walter M. Simpson, Evansville, Ind.
Application November 14, 1945, Serial No. 628,448
3 Claims. (Cl. 242—96)

1. A reel assembly comprising an elongated body formed of a single piece of wire providing a skeleton frame having spaced substantially parallel end portions about which material is adapted to be wound, said end portions being provided with ears at their extremities for limiting the lateral disposition of the material wound on the reel, an integrally formed elongated handle having a twisted connection with the reel body adjacent one end of the same, a circular arm guide rotatably journalled on the same side



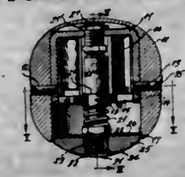
of the reel body as the handle and adjacent the opposite end of the reel body for receiving the forearm of an individual with the handle gripped in the hand, said arm-guide being rotatable to a position to bring it into substantially the plane of the handle of the body and the reel.

2,470,659
PIANO KEY MOUNTING
Edward C. Sloan, Madison, Wis., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application April 19, 1946, Serial No. 663,259
10 Claims. (Cl. 84—435)



1. A piano key mounting including a key bed support for a plurality of piano keys, each of said keys including an extension thereof terminating in a point of lift, a transversely extending balance rail supported on said key bed support, and a hinge bearing element for each of said keys hingedly supported on said balance rail having one point of bearing directly under the key supported thereby and a lateral offset point of bearing to one side of said key and beyond the bearing support of the adjacent key.

2,470,660
ELECTRIC VIBRATOR
Leland H. Snyder, Chicago, Ill., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application April 7, 1945, Serial No. 587,179
2 Claims. (Cl. 128—52)



1. An electric vibrator comprising a hollow casing having a rounded exterior contour suitable for gripping with the palm and fingers of

the user, said casing being open at one end, a solenoid coil insertable through said open end and secured within said casing, a plunger extending axially of said casing and coil toward the open end of said casing; a resilient seal member mounted on said plunger and movable therewith and engageable with the interior walls of said casing to seal said open end of the casing, said resilient seal member having an exterior surface protruding out of said casing to constitute a massaging tool, and means carried by said seal member for attachment thereto of other massaging devices.

2,470,661

PHASE-SEQUENCE VOLTAGE NETWORK

William K. Sonnemann, Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 27, 1947, Serial No. 737,663
3 Claims. (Cl. 171—119)



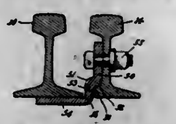
1. A network for segregating a phase-sequence component of a system of delta voltages, comprising a single-phase impedance-device including an element having mutual inductance, the impedance-angle of the impedance-device at the system-frequency, and the magnitude of the mutual inductance, being conjointly such that the mutual inductance will produce a voltage substantially at the apex of an equilateral triangle built upon the voltage across the terminals of the impedance-device as a base, in the vector-diagram, said network having four terminals, two terminals being adapted to connect the respective terminals of the impedance-device to two of the delta-points of the delta input-voltages, one terminal being for the other delta-point of the delta input-voltages, and the remaining terminal being for the mutual-inductance voltage, the latter two terminals being the output-terminals of the network, characterized by said impedance-device including a resistor and a mutual-inductance element, said mutual-inductance element being a tapped reactor having said resistor connected to the tapped point.

2,470,662

GUARDRAIL ASSEMBLY FOR RAILROAD TRACK EQUIPMENT

Lee Spencer, Phoenix, Ariz., assignor to American Brake Shoe Company, New York, N. Y., a corporation of Delaware

Application June 7, 1944, Serial No. 539,074
3 Claims. (Cl. 238—19)



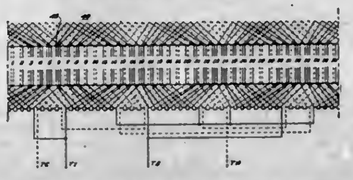
1. In a structure for stiffening a guard rail of standard rolled rail section, said structure comprising a running rail, the said guard rail of standard rolled rail section having a cut-off base flange with its cut-off edge adjacent but spaced from the base flange of the running rail, a plurality of stiffening angles, each stiffening angle comprising a vertical web plate and a flat horizontal foot, said stiffening angles having their web plates disposed against the guard rail web at locations spaced along the length of the guard rail, each said web plate having an opening, said guard rail web having openings in register with the web plate openings of the several stiffening angles, clamping bolts in the respective registered openings, said web plates extending downwardly between said cut-off edge and the edge of the base flange of the running rail, said angle stiffeners having their feet engaging the under surface of said running rail base flange and terminating short of the remote edge of said running rail base flange, all said stiffening angles having the same section regardless of position along the length of the guard rail to permit the same angle to be used at any point regardless of guard rail flare, and a plurality of tie plates under said rails at locations between said stiffening angles, said tie plates having abutments on the side of the guard rail remote from the running rail, whereby the tie plate abutments take the horizontal thrust of the guard rail caused by car wheels, and whereby said stiffening angles are free to stiffen the guard rail web and to prevent tilting or rolling of the guard rail without otherwise interfering with relative movement between said guard rail and running rail.

2,470,663

THREE-LAYER SINGLE-PHASE WINDING

Joseph M. Stein and Robert W. Eggiestone, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 26, 1947, Serial No. 771,044
12 Claims. (Cl. 318—221)



1. A single-phase induction-motor having a stationary primary member and a rotor-member, said stationary primary member having a slotted stator-core and main and starting windings having coil-sides disposed in the slots of the stator-core; said main winding having coils which are all identical with each other, all having the same pitch and the same number of turns per coil, said main winding being also a three-layer winding having one, two or three main-winding coil-sides in the various slots in such manner as to approximate a sinusoidal ampere-turn distribution; and said starting winding being a similar winding of less copper, with a smaller number of coils, and different turns per coil, disposed in slots which do not have three main-winding coil-sides in them.

3. A single-phase self-starting squirrel-cage motor, as defined in claim 1, characterized by said rotor-member being a squirrel-cage member, and said starting winding being in a circuit which serially includes a phase-shifting means and a starting-switch which opens before the motor attains its full speed during starting; the number of stator-core slots being nine per pole, the main-winding pitch being two-thirds of full pitch, the number of main-winding coils being eight per pole, and the numbers of main-winding coil sides in successive slots, for any pole, being 1, 2, 2, 3, 3, 2, 2 and 1, respectively.

2,470,664

SEALING MEANS

Charles C. Sterrett, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 25, 1945, Serial No. 574,547
8 Claims. (Cl. 286—9)



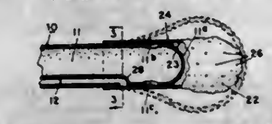
1. In an enclosed, gas-filled machine having a rotatable shaft, liquid gland seal means for preventing escape of gas along the shaft, means for removing from the shaft sealing liquid flowing from the gland seal, labyrinth seal means encircling the shaft adjacent the gland seal for preventing the entrance of sealing liquid into the machine, and a closed annular equalizing chamber extending around the shaft closely adjacent to the labyrinth seal on the side thereof away from the gland seal, said equalizing chamber having a restricted annular opening therein around the shaft, said annular opening being relatively large as compared to the clearance between the labyrinth seal and the shaft.

2,470,665

SUCTION APPARATUS

Charles William Stiehl, South Milwaukee, Wis.

Application July 8, 1947, Serial No. 759,657
7 Claims. (Cl. 128—276)



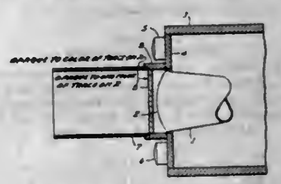
1. In gastro-intestinal suction tube apparatus, a tubular suction member having a suction opening in an end thereof, a perforated protective hood carried by the tubular member adjacent said end for maintaining the suction opening spaced from the gastro-intestinal walls, said hood comprising inner and outer sacs of soft, tissue-like rubber connected in such manner as to provide a plurality of openings extending from exterior to interior thereof and a sealed space between the sacs, and means for supplying pressure medium to the space between the sacs whereby to inflate the same to the form of a protective hood disposed about said suction openings.

2,470,666

TUBE

Frederick G. Suffield, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 25, 1944, Serial No. 551,124
5 Claims. (Cl. 250—164)



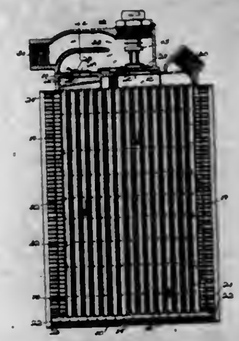
1. In combination with a cathode-ray tube, having a fluorescent screen on which a cathode-ray beam produces a trace of predetermined color, an optical path over which an observer can view said screen, enclosing walls about said path consisting at least in part of a material, having substantially higher opacity to said color than it has to other colors.

2,470,667

OIL COOLER

Edward C. Warrick, Cincinnati, Ohio, and Harold Cruzan, Los Angeles, Calif., assignors to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio

Application January 10, 1944, Serial No. 517,720
9 Claims. (Cl. 257—2)



1. A liquid cooling unit for use in a liquid circulating system, said unit comprising a casing, a series of conduits extending transversely across said casing for supplying liquid thereto adjacent to one side thereof, said conduits being spaced longitudinally of the casing and in series extending throughout a major portion of the length of said casing and further being spaced apart for the flow of liquid therebetween exteriorly, means for the supply of liquid to said conduits, means for the outlet of liquid from said casing at a point remote from said side thereof, means for causing liquid flowing through said casing between said conduits and said outlet means to flow substantially throughout that portion of the length of the casing which is occupied by said series of conduits, means for cooling the liquid

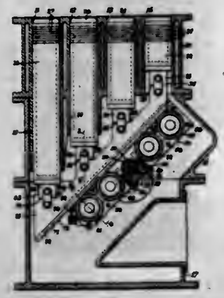
during its flow through said casing, and means requiring the liquid normally to flow through said conduits and the casing and to effect flow of the liquid between said inlet and said outlet means in by-passing relationship to said conduits and said casing in response to obstruction to flow of the liquid through said conduits and said casing.

2,470,668
WELDING SYSTEM
Alfred B. White, Murrysville, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1946, Serial No. 667,762
11 Claims. (Cl. 315—271)



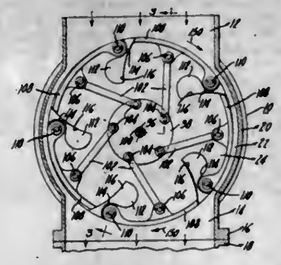
1. For use with an arc welding circuit including a reactance device and having a high-frequency arc stabilizing source connected thereto, an arc stabilizing circuit including a condenser and a resistor connected in a series circuit path in shunt relation with the arc intermediate the reactance device and the arc.

2,470,669
DRIVING GEAR OF MULTICYLINDER RECIPROCATING-PISTON ENGINES
William Arthur Williams, London, England
Application February 20, 1946, Serial No. 648,938
In Great Britain September 5, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires September 5, 1964
10 Claims. (Cl. 121—117)



1. A multi-cylinder engine comprising a plurality of cylinders disposed side by side, a plurality of pistons slidable in said cylinders, a single crosshead member connected to said pistons and arranged to reciprocate as one therewith, a straight cam track formed on the crosshead member and extending at a substantial inclination to the cylinder axes, a single crankshaft, a crankpin on said crankshaft disposed adjacent the cam track, and a carriage device operatively connecting the crankpin with the crosshead member and which includes a body pivotally mounted on the crankpin and a plurality of rollers, pivoted upon the body to roll along the cam track as the pistons reciprocate.

2,470,670
ROTARY EXPANSIBLE CHAMBER PUMP
Albert H. Winkler and Emil O. Wirth, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 26, 1944, Serial No. 547,056
4 Claims. (Cl. 230—154)

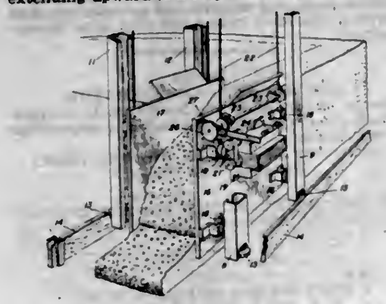


1. In a fluid pumping device: a casing including a cylindrical chamber; oppositely disposed fluid inlet and outlet passages for said chamber; a rotor within the casing, said rotor having a central opening therein; means for mounting said rotor for rotation within the casing; a gear secured to the rotor and having a common axis therewith; inwardly extending circumferentially spaced partitions on the rotor; pumping members disposed between the partitions; means pivoting the respective pumping members adjacent one end thereof, the pivoted ends of said members being disposed adjacent respective partitions and the free ends of said members being adapted to swing on their respective axes through an arc substantially parallel with one face of the respective partitions, the pumping members and partitions being adapted to define pumping chambers; a shaft extending into the casing through the opening in the rotor; a member in the casing secured to said shaft; means connecting the member with the respective pumping members; a gear secured to said shaft; means for rotating the gears at the same speed; and infinitely variable adjusting means for varying the position of the shaft from coaxial association relative to the rotor to an offset position relative to the axis of said rotor; the mechanism being so constructed and arranged that the pumping members may be moved inwardly in respect to the center of the rotor when adjacent the inlet and outwardly when adjacent the outlet.

2,470,671
MONOLITHIC WALL MOLDING MACHINE
Floyd E. Withrow, Concord, Calif.
Application April 16, 1947, Serial No. 741,732
7 Claims. (Cl. 25—131)

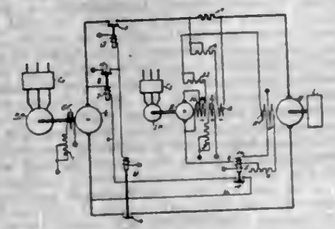
6. In a monolithic wall machine, a pair of spaced parallel overhead rails, opposed pairs of spaced parallel vertical rails having roller connection at their upper ends with said overhead rails, said vertical rails having channel shaped cross-section with the flanges of the channel having inturned lips spaced to provide a slot, vertically spaced guide rollers in each vertical guide, cushioning means carried by said guide rollers, a pair of mold plates each supported from a respective overhead rail by a pair of the vertical rails and the guide rollers carried therein said cushioning means being interposed between the vertical supports and the plates, a winch mounted

on each plate, cables wound on each winch and extending upward to a respective overhead guide,



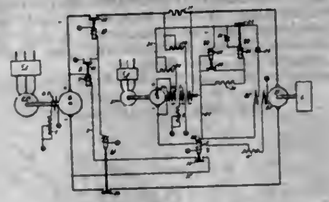
and an electric vibrator for each plate located on the outer side thereof.

2,470,672
ROTOTROL SCHEME
John R. Wrathall, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1946, Serial No. 713,321
6 Claims. (Cl. 318—465)



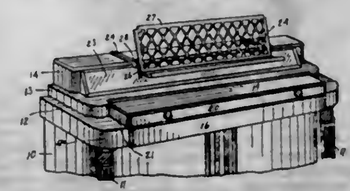
1. In a system of control, in combination, a direct current motor having an armature circuit in which the current may vary from a relatively high value in one direction, the normal direction, to a relatively high value in the opposite, or abnormal, direction, a field winding for the motor normally energized to provide a safe maximum speed for the motor when no other excitation effect than this one field is present, a second field winding, a regulating generator connected to said second field winding, said regulating generator producing a voltage that is a function of the current in the armature winding of the motor and being so connected to the second field winding that the second field winding is energized cumulatively to the first field winding so long as the current in the motor armature winding is in the normal direction, an electromagnetic device having two actuating coils, one connected in series with the first field winding and one connected in series with the second field winding, both of said coils acting cumulative when the currents in both the field windings are in the desired direction, and acting differentially to cause the electromagnetic device to become deenergized in the event of a reversal of the polarity of the regulating generator, and means responsive to the deenergization of said electromagnetic device for effecting the deenergization of the motor armature circuit.

2,470,673
MOTOR CONTROL SYSTEM
John R. Wrathall, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1946, Serial No. 716,117
4 Claims. (Cl. 318—474)



1. In a system of control, in combination, a direct-current motor having an armature circuit in which the current may vary from a relatively high value in one direction, the normal direction, to a relatively high value in the opposite, or abnormal, direction, a field winding for the motor normally energized to provide a safe maximum speed for the motor when no other excitation effect than this one field is present, a second field winding for the motor, a regulating generator connected to said second field winding, a field winding for the regulating generator interconnected with said armature circuit whereby said regulating generator produces a voltage that is a function of the current in the armature winding of the motor, said regulating generator being so connected as to polarity to the second field winding of the motor that this said second field winding is energized cumulatively to the first field winding so long as the current in the armature winding of the regulating generator is in the normal direction, a rectifier in the circuit of the second field winding to prevent reversal of the current in the second field winding in the event the polarity of the regulating generator reverses, and means responsive to a reversal of the polarity of the regulating generator for effecting the opening of the circuit of the second field winding.

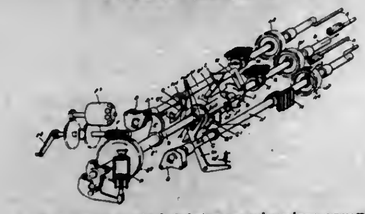
2,470,674
PIANO CASING
William Zaiser, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill., a corporation
Application November 4, 1944, Serial No. 561,677
1 Claim. (Cl. 84—177)



In a casing for upright pianos a lower table portion, a cavity type portion of substantial depth comprising rim arms at each end thereof having a key bed therebetween substantially within the level of said cavity type portion, an elevated deck portion above said table portion and stepped inwardly therefrom, a rear portion stepped inward-

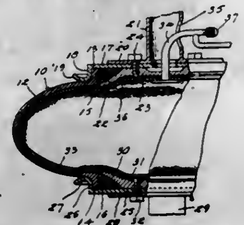
ly and upwardly from said deck portion, and a keyboard supported by said key bed in a plane above the level of said table portion substantially within the level of the deck portion.

2,470,675
SPRING-OPERATED DRIVING MECHANISM
Archibald Allan, Whitley Bay, and Joseph Small, Gateshead, England, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a company of Great Britain
Application January 23, 1945, Serial No. 574,131
In Great Britain February 1, 1944
9 Claims. (Cl. 185—37)



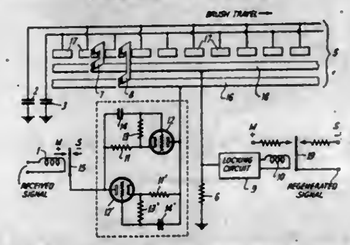
1. Spring operated driving mechanism comprising a single driven member, at least two driving springs, retaining means for holding each of the springs in the charged condition, a driving connection from each spring to the driven member permitting the latter to be driven through a working operation by each spring in succession while other springs remain inoperative, means for limiting the movement of the driven member on the completion of a working operation and retaining it until the initiation of the next working operation, externally initiated release means to release the driven member limiting means at each actuation and to release different driving springs in successive actuations and independent means for charging the driving springs.

2,470,676
PNEUMATIC VEHICLE SUSPENSION
Application May 29, 1944, Serial No. 537,792
Earl B. Aldous, Gansevoort, N. Y.
2 Claims. (Cl. 267—65)



1. A vehicle suspension comprising an inflated circular member including an outer casing, an inner casing, upper and lower attaching means for securing said outer casing to said vehicle, said attaching means including a tubular central support, an annular flange on the end of said support, an outer clamping plate abutting the flange of said support, an annular bead on the peripheral edges of said outer casing, an inner clamping plate adjacent said outer clamping plate, peripheral flanges on said clamping plates for clamping the bead of said outer casing therebetween, means securing said clamping plates to the flange of said support, and a reinforcing disc between said inner casing and said inner clamping plate.

2,470,677
SYNCHRONOUS REGENERATOR
Warren August Anderson, Nutley, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 18, 1947, Serial No. 755,447
6 Claims. (Cl. 178—70)



4. Electrical apparatus comprising, in combination, a source of signal intelligence composed of mark and space elements generated at a constant unit interval frequency, a first relay actuated by said signal intelligence, a local source of direct current potential, contacts on said first relay arranged to switch to positive potential during mark elements and negative potential during space elements, a constant current impedance device energized by said potentials, a commutator, a plurality of segments on said commutator, a first condenser connected to alternate ones of said segments, the other side of said first condenser being grounded, a second condenser connected to the others of said segments, the other side of said second condenser being grounded, a first commutator bar connected to the output of said constant current device, a second commutator bar connected to a resistance, the other side of said resistance being grounded, a first brush arranged to sweep said segments at unit interval frequency and to complete a circuit between said segments and said first commutator bar, a second brush arranged to sweep said segments one unit interval later than said first brush and to complete a circuit between said segments and said second commutator bar, said brushes contacting said segments during substantially the entire unit interval, a locking circuit energized by potentials produced across said resistance, a second relay actuated by said locking circuit and a second source of direct current potential, a tongue on said second relay arranged to complete a circuit to the positive or negative terminal of said second source of potential in accordance with the energization of said locking circuit.

2,470,678
MATERNITY GARMENT
Pearl Auslender, Chicago, Ill.
Application June 8, 1944, Serial No. 539,281
1 Claim. (Cl. 2—105)

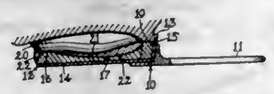
A maternity garment comprising a blouse having a longitudinal slit at each side thereby providing front and rear flaps, a pair of horizontally disposed bands, said bands being attached to both said front and rear flaps adjacent said slits and

substantially concealed by said flaps, means adjustably securing said bands together at the front of the blouse and beneath said front flap, and tie



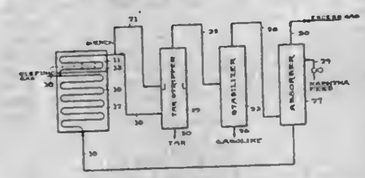
members secured to each side of the front flap for closing said blouse at the sides and tying in the back.

2,470,679
DENTAL MEANS AND METHOD
Edward E. Beers, Brooklyn, N. Y.
Application October 19, 1945, Serial No. 623,205
5 Claims. (Cl. 32—17)



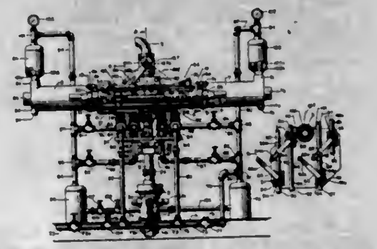
1. The method of making an impression form or cast in plastic material by using a tray, preparatory to making a denture, which consists in contacting the front central portion of the upper gum in the tray and simultaneously contacting the rear portions of both sides of the gum in said tray and at the same time avoiding contact in said tray with the intermediate portions of the sides of said gum, and thereby relieving the gum groove within the margin of the impression form or cast between the front central portion and the two rear side extremities thereof while producing said impression form or cast in plastic condition thereof.

2,470,680
PROCESS FOR CRACKING HYDROCARBON OILS
Harold Beuther, Oakmont, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application October 19, 1945, Serial No. 623,281
11 Claims. (Cl. 196—9)



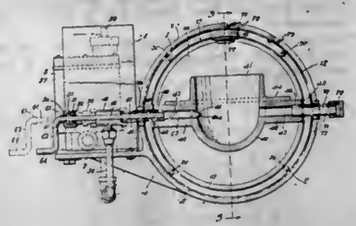
1. A process for cracking hydrocarbon oils to obtain gasoline wherein a stream of light hydrocarbon oil containing normally gaseous hydrocarbons largely paraffinic in character is subjected to relatively drastic cracking conditions and normally gaseous hydrocarbons of more highly olefinic character are added to the stream and the combined stream subjected to further cracking under relatively less drastic conditions.

2,470,681
FLOW INTERMITTER FOR CASED WELLS
Alexander Boynton, San Antonio, Tex.; Sida S. Martin executrix of said Alexander Boynton, deceased
Application August 23, 1943, Serial No. 499,670
10 Claims. (Cl. 121—124)



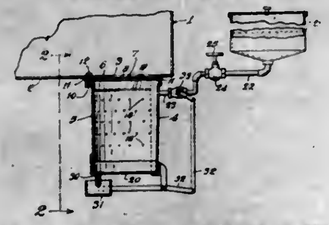
9. In a flow intermitter for a well; a cylinder having a piston therein; first and second pairs of feeder and bleeder valves in spaced relation to said piston; first and second conduits, the first connected to one end of said cylinder and the second to the other end; and means upon said piston to alternately open one valve of both said pairs and simultaneously close the other two so as to increase the pressure within one of said conduits and simultaneously decrease the pressure within the other to successively force said piston in opposite directions for purposes described.

2,470,682
LIQUID FUEL BURNER WITH VAPORIZING ASSEMBLY
James L. Breese, Santa Fe, N. Mex., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application June 14, 1944, Serial No. 540,249
1 Claim. (Cl. 158—91)



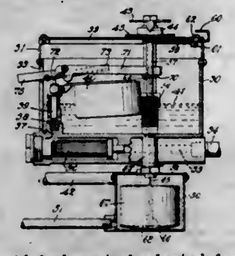
In a liquid fuel burner, a pot having an open end, a circumferential side wall and an end wall, said side wall having a plurality of air inlet apertures located at various distances from the ends of the pot, a vaporizing cup in said pot having lateral extensions engaging opposite parts of said circumferential side wall, each said extension having a passage extending therethrough into communication with the interior of the cup, and means for securing the cup in relation to the pot including a liquid fuel inlet duct extending through the pot wall and entering one of said lateral extensions and a securing element extending through the pot wall and entering the other of said lateral extensions.

2,470,683
VERTICAL SEMICYLINDRICAL BURNER
James L. Breese and Bruce Hayter, Santa Fe, N. Mex., assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application September 15, 1944, Serial No. 554,264
3 Claims. (Cl. 158—91)



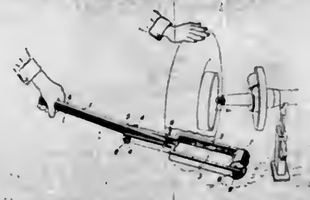
1. In a pot type liquid fuel burner, a vertical burner pot having a closed bottom and an apertured top wall, a wall structure joining them, having a generally upright, imperforate fuel-vaporizing panel, and a perforate air-admission portion having primary air inlet apertures located at various levels in, and distributed substantially from side to side of, the perforate portion, adapted to direct jets of primary air toward the vaporizing panel, said portion also having a horizontally disposed row of secondary air inlet apertures located below the top wall and above the primary air inlet apertures, means for supplying liquid fuel to the inner surface of the panel below the secondary air inlet apertures and above the primary air inlet apertures, whereby it may flow freely by gravity down the panel to and through the area within which the primary air inlet apertures direct their air jets toward the vaporizing panel.

2,470,684
TWO-LEVEL FLOAT VALVE STRUCTURE
James L. Breese and Bruce Hayter, Santa Fe, N. Mex., assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Continuation of application Serial No. 442,936, May 14, 1942. This application January 8, 1947, Serial No. 720,758
1 Claim. (Cl. 158—38)



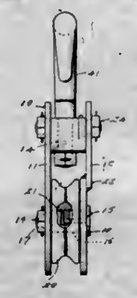
In a liquid fuel control adapted for use with a pot type liquid fuel burner receiving fuel at two different levels, a primary fuel chamber, a liquid fuel inlet pipe extending thereto, inlet valve means therefor, a secondary chamber located beneath said primary chamber, a fuel passage extending from said primary to said secondary chamber, a rotary valve element, concentric with said fuel passage, adapted to control the volume of flow of fuel through said passage, a liquid fuel delivery line extending from said secondary chamber, and adapted to supply fuel to the burner, a float in said secondary chamber, a connecting element extending upwardly from said float through said passage means, and means for closing said inlet valve means in response to upward movement of said float and said connecting means in response to an increase in the level of liquid fuel in said secondary chamber, said connecting means including a rod supported upon said float and extending upwardly through said fuel passage and rotary valve element, and a control arm for said inlet valve means, normally gravitationally supported upon said rod.

2,470,685
WHEEL AND TIRE APPLYING DEVICE
George F. Brown, Tulsa, Okla.
Application October 1, 1945, Serial No. 619,645
5 Claims. (Cl. 280—36)



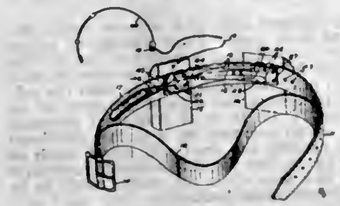
1. A truck for use in applying or removing tires and wheels, comprising a bifurcated frame including a pair of spaced arms for receiving the tire or wheel, roller means journaled in said arms at one end thereof, an operating lever pivoted intermediate its ends, to said spaced arms at the other end thereof, and abutment means, carried by the inner end of said lever, engageable against the upper part of said arms when said operating lever is moved about its pivot, whereby a lift applied to the outer end of the operating lever serves to lift the frame and to lift the tire or wheel positioned thereon.

2,470,686
SNATCH BLOCK
Bert B. Bryson and Marion Alvin Coleman, Kilgore, Tex.
Application August 27, 1947, Serial No. 770,910
5 Claims. (Cl. 254—193)



5. An improved snatch block comprising a pair of parallel side members, a pulley rotatable between said members at one end thereof, means pivotally securing said members together at one end thereof, a cylindrical member rotatably carried by one of said side members at the other end thereof, said latter member formed with a channelled recess at one end thereof adjacent the other side member, said recess opening radially through one side of said rotatable member, a flanged pin on the other side member, the flange of said pin engaging in said recess for supporting the other member from said rotatable member, said flange being slidable from said recess in one rotated position of said rotatable member whereby said snatch block may be opened at one end between said side members, said rotatable member formed with a pair of oppositely disposed flat sides, a supporting hook on said rotatable member, the shank of said hook engaging through the flat sides of said rotatable member, and means securing said hook on said latter member.

2,470,687
ANTENNA BELT AND RADIO RECEIVER
Orrin G. Cafrelia and James E. Votour, Medford, Mass.
Application March 13, 1948, Serial No. 15,926
6 Claims. (Cl. 250—16)



1. Radio receiving apparatus of the character described, comprising a two-ply antenna belt having a pair of terminal plates disposed between its plies in spaced relation, each plate having terminals passing through the outer belt ply and formed exteriorly as elements of separable fasteners, an antenna disposed between the belt plies and connected to a pair of terminals on one of said plates, bridging wires also disposed between said belt plies and connected to complemental terminals on the respective plates, a radio receiver and a case enclosing the same, a set of batteries and a case enclosing the same, each of said cases having a terminal plate having terminals electrically connected to the receiver and batteries respectively, and the exposed portions of said terminals being formed as elements of separable fasteners adapted to engage the terminals of the respective terminal plates of said belt, whereby the encased receiver and the encased set of batteries may be mechanically and electrically connected to the antenna belt by engaging said fasteners.

2,470,688
ALKALI-ALKALINE EARTH HYDROXIDE-IMPREGNATED CARBON CATALYST AND ITS PREPARATION
Austin George Carter, Swansea, Wales, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa.
No Drawing. Application June 15, 1946, Serial No. 677,085. In Great Britain August 28, 1945
4 Claims. (Cl. 252—425)

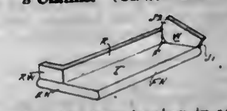
1. A catalyst mass comprising a coherent mixture containing as essential active constituents amorphous carbon, at least one hydroxide of the group consisting of the hydroxides of magnesium, calcium, strontium, barium and beryllium, and at least one material of the group consisting of alkali hydroxides and carbonates.

2,470,689
PROCESS FOR TIN-COATING THE INTERIORS OF COPPER TUBES
Donald K. Crampton, Marion, and Maurice L. Wood, Waterbury, Conn., assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
Application February 16, 1943, Serial No. 476,046
2 Claims. (Cl. 117—97)



1. The process of coating the interior of a substantially straight copper-base metal tube, with tin-base metal, comprising: heating a substantially straight copper-base metal tube to a substantially-uniform temperature substantially throughout its length between its opposite end portions, which temperature is at least as high as the melting-point of the tin-base metal with which the interior of the tube is to be coated but not in excess of about 600° F., by means of the inherent resistance of the tube to the passage of electric current longitudinally through the tube, by applying electric current to the said opposite end portions of said tube and passing said electric current longitudinally through said tube; rotating the said heated tube about its longitudinal axis with said axis in a position inclined to the horizontal with one end of said tube higher than the other end with both of said ends open; and then introducing said tin-base metal in molten condition into the said open higher end of said rotating inclined heated tube into molten alloying coating contact with the interior surface of said tube, any excess of said molten tin-base metal draining out through said open lower end.

2,470,690
CONCRETE STEP FORM
Frederick A. Dahle, Los Angeles, Calif.
Application September 23, 1946, Serial No. 698,765
8 Claims. (Cl. 25—118)



1. A concrete step form having, in combination, a block-shaped core presenting a step tread top face and a riser face along one longitudinal side, and right and left end step wing faces for molding a wing on either end of a proposed step; a forwardly facing longitudinally extending nose depth channel bodily shiftable on the said top face toward or from said riser and whose bottom edge stands on said top face and means for fixedly holding the channel to the said top face, a step end nose channel coplanar with and normal to and abutting the concave side of the longitudinal channel and bodily shiftable on said top face and means for holding the end nose channel on said top face and to the longitudinal channel; a

riser panel parallel to and spaced from the said riser face of the core, an elongate riser rim strip forming the bottom of the form space between the core and said panel; a tread wing form wall spaced from an adjacent wing face of the core and abutting the riser panel to close the riser form space and means for holding tread wing wall and said panel in adjusted position on the core, a wing rim form device forming the bottom of the space between the core and said wall; the said panel and said wing wall extending to a desired height above the plane of the said core top and below the top edge of said channels to determine the thickness of the said tread and produce a nose deeper than the tread thickness.

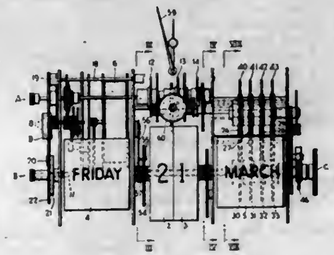
2,470,691
SCRAPER FOR FREEZING APPARATUS
Charles Erickson and Erick Spellman, New York, N. Y.
Application January 24, 1946, Serial No. 4,126
8 Claims. (Cl. 259—134)



1. A dasher or scraper assembly for a confection refrigeration machine, including a rotatable shaft having a pair of substantially parallel spaced arms projecting rigidly from the side thereof, a scraper adapted to be supported upon said arms, one of the latter arms having an aperture near the end thereof and the other arm having an open slot in the outer free end of the arm, a pivot member fixed upon the scraper adapted to be inserted into the aperture in the one arm on said shaft, said pivot member being directed toward one end of the scraper and offset with respect to the general plane of the latter, a second similarly offset pivot member spaced from but substantially alined with the first mentioned pivot member and directed toward the other end of said scraper, the open slot in the second arm on the shaft being undercut to form a bearing for the second pivot member and the latter pivot member having a flat portion upon one side thereof to reduce the cross section thereof in one direction to provide for ready introduction of said second pivot member into said open slot and cause said slot to retain said pivot member when the scraper is swung over upon said arms and the assembly introduced into the drum or cylinder of the machine, with the scraper occupying an angular position with respect to the shaft of said assembly.

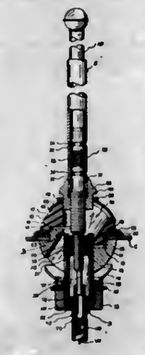
2,470,692
PERPETUAL CALENDAR
Ivor A'Court Farr, Stafford, England
Application February 11, 1947, Serial No. 727,886
In Great Britain February 13, 1946
2 Claims. (Cl. 58—6)

1. A perpetual calendar comprising a setting shaft, a constant speed driving element, means actuated thereby once a day to advance the setting shaft by a fraction of a revolution, a returning spring acting on the setting shaft tending to return it to an initial position, a day-number indicator, gearing connecting the setting shaft and the day-number indicator so that the fractional advance of the setting shaft changes the day-number indicator upward by one unit, a set of four toothed discs secured on the setting shaft and respectively formed with a series of 27, 28, 29 and 30 equally spaced operative teeth, all the series of teeth commencing at corresponding points on the disc peripheries, a final tooth of larger size formed on each disc at the end of the respective series of operative teeth, a detent associated with each disc and normally held in an inoperative position out of engagement with the teeth thereof, a month-name indicator, means operated by a return of the setting shaft to its initial position to advance the month-name



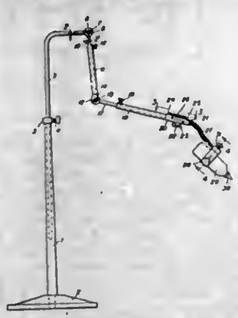
indicator by one step, and selector means actuated at each month-name change to render operative the detent appropriate to the month-name then indicated so that it co-operates with the teeth of its associated disc to hold the setting shaft against the returning action of its spring for 27, 28, 29 or 30 fractional advances thereof, as the case may be, a further fractional advance causing the final and larger tooth of the disc to displace the detent to its inoperative position and thus allow the setting shaft to be returned to its initial position.

2,470,693
SWIVEL BALL ANTENNA SUPPORT
Theodore R. Finke, Euclid, and Jack L. Stewart and Lewis H. Finneburgh, Jr., Cleveland Heights, Ohio, assignors to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio
Application May 14, 1947, Serial No. 748,048
7 Claims. (Cl. 248—43)



1. In an antenna support, a pair of half ball members having generally semispherical surfaces and generally chordal mating surfaces, said mating surfaces comprising a generally circular outer chordal surface and bosses and mating recesses spaced from the perimeter of said chordal surfaces, said half ball members adapted to be positioned on the panel of an automotive vehicle with said bosses extending through an opening thereof for positioning the assembled ball relative thereto, one of said ball members comprised at least in part of an electrically insulating material and the other of said ball members comprised at least in part of an electrically conducting material.

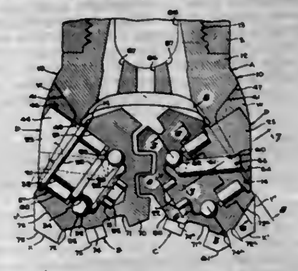
2,470,694
BABY BOTTLE HOLDER
Lee Sing Foo, Manchester, N. H.
Application August 18, 1947, Serial No. 769,213
1 Claim. (Cl. 248—1)



A baby bottle holder including a vertical hollow standard having a weighted base detachably secured thereto, an inverted L-shaped supporting rod supported in the upper end of said standard, pivotally interconnected telescoping extensions supported at the outer end of said rod, pivotally connected heads supported at the outer end of said outermost extension, a flexible connection supported by the outermost head, an adjustable band bottle encircling bracket on the outer end of said flexible connection, and a screw clamp plate supported by said bracket said clamp plate and bracket together supporting a baby bottle.

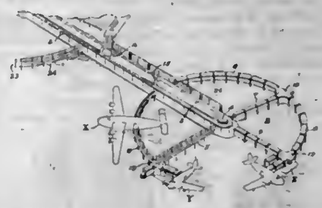
2,470,695
CONE TYPE WELL DRILLING BIT
John S. Goodwin and Charles E. Whittaker, Whittier, Calif., assignors to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application November 17, 1947, Serial No. 786,516
10 Claims. (Cl. 255—71)

10. A well drilling bit including a body having diametrically opposite depending legs, a notch extending upwardly into the lower end of each said leg, each said notch being enlarged at the outer side of the leg to form a recess at least partially surrounding the notch, cutter carrying pin elements each having a head extending through one of said notches and into the recess and engaging the walls of the notch, welding material occupying the recesses and bonding the heads to the legs, two cutter elements, one cutter element being in the shape of a cone and extending across the center of the bit and the other cutter element being in the shape of a frustum of a cone with the tip of the first mentioned cutter element adjacent its outer edge, the conical portions of the cutter elements being meshed together at the center of the bit, anti-friction means mounting the cutter elements on the pin elements to provide two assemblies of pin and cutter elements respectively, said anti-friction means including registering grooves on the pin



and cutter elements of each said assembly forming a ball race for each said assembly, balls in each said ball race, one of the elements of each said assembly having a ball passing bore therein extending to the ball race, a plug closing each said bore and having its inner end forming a continuation of the wall of the ball race, and welding material retaining said plugs in said bores.

2,470,696
CONVEYER SYSTEM FOR CARGO AIRPORTS
Jorge Gonzáles, Torreon, Mexico, and Yusuf Meer, Wyckoff, N. J.
Application November 16, 1944, Serial No. 563,656
14 Claims. (Cl. 198—81)



14. An airplane freight terminal comprising a main conveyor system having runs leading to and from a distribution loop in which the conveyor makes a turn around the center, a plurality of airplane loading points spaced around said center, a circumferentially disposed conveyor section connecting said loading points, and branch conveyors connecting said circumferentially disposed sections with said loop, said conveyors being constructed and arranged to transfer freight automatically from one conveyor to another.

2,470,697
INSTRUMENT FOR DRAWING CIRCULAR AND CURVILINEAR LINES
Gustave A. Haederer, Philadelphia, Pa.
Application June 30, 1944, Serial No. 542,939
12 Claims. (Cl. 33—177)

11. An instrument for use in the delineation and measurement of circular lines comprising a relatively rigid main body member, a flexible

beam having its opposite ends movably secured to corresponding ends of said main body member, said flexible beam being provided with a free drawing edge and being characterized in that at least one edge of the beam throughout its full length extending freely between the movably secured ends thereof, when in unflexed state, is of a curvature capable of causing said free drawing edge to assume varying degrees of circular curvature when the beam is flexed upon the application of a force applied to the center thereof, and beam deflecting means interposed between said main body member and the midpoint of said beam operative to apply a deflecting force to the



beam for varying the curvature of the latter, said means being so disposed and operative relatively to the secured ends of the beam as to be capable of imparting to the free drawing edge thereof a curvature coincident with the arc of a circle, and additional means interposed between said main body member and said beam for varying the curvature of the latter in the regions thereof respectively extending between its pivoted ends and said first-mentioned means, said additional means being in the form of slidable elements, each of which bears an index for registry with calibrated position-indicating scales provided upon said body member.

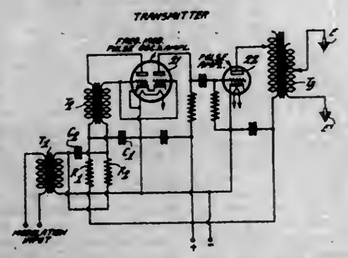
2,470,698

PULSE MODULATION SIGNALING SYSTEM

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application August 30, 1945, Serial No. 613,512, which is a division of application Serial No. 448,223, June 24, 1942. Divided and this application May 13, 1947, Serial No. 747,826

6 Claims. (Cl. 332—14)



1. A pulse modulation signalling system comprising a vacuum tube pulsing oscillator electrode structure, connections for causing said oscillator to periodically produce pulses of energy, said connections including a regenerative feedback transformer and a time constant circuit made up of a resistor and a capacitor, the bias potential for said oscillator being determined by the charge on said capacitor and the value of said resistor through which said charge leaks off, and a source of modulation coupled to the oscillator for varying the bias, to thereby modulate the pulse frequency.

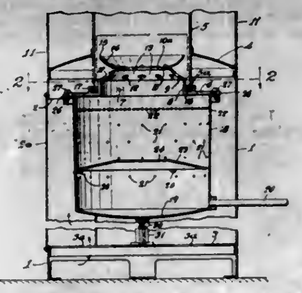
2,470,699

COMBUSTION RING FOR POT TYPE BURNERS OF THE HYDROXYLATING TYPE

Bruce Hayter and Milton D. Huston, Santa Fe, N. Mex., assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware

Application November 9, 1944, Serial No. 562,676

5 Claims. (Cl. 158—91)



1. In a combined combustion ring and flame deflector for use with burner pots of pot type burners, an outer ring portion formed and adapted to engage the upper edge of a pot, and extending radially inwardly from said pot edge, a flame passage member of generally cylindrical form, at the inner edge of said ring, a hood portion extending upwardly and inwardly from an upper portion of said flame passage member, said hood defining a central aperture coaxial with said flame passage member and of substantially smaller diameter and an upwardly and outwardly flared deflector element extending from an upper part of said hood portion.

2,470,700

SPRING FLOATED VALVE HEAD

Guy J. Henry, Arlington Heights, Ill.

Application October 13, 1945, Serial No. 622,163

1 Claim. (Cl. 251—46)



A valve of the type described, comprising a threadedly actuable, rotatable stem, a valve member telescoped on one end of said stem and movable axially relative thereto, roller bearing means articulating and swiveling said member and stem to engage and disengage the member with a valve port upon rotative actuation of the stem, said stem moving relative to said member following initial engagement of the latter with said port, coacting means on said stem and member engageable to transmit thrust from the former to the latter to finally seat said member against said port following said relative movement, and a compression spring disposed internally of said member in thrust engagement between the same and said end of said stem, whereby to prevent chatter between the stem and member and resiliently maintain the member in predetermined, axially spaced relation to the stem prior to engagement of the member with the port, said roller bearing means limiting the axial spacing of the member relative to the stem and preventing separation thereof under the force of said spring, said stem being rotatable relative to the member when the latter is engaged with the port prior to said final seating.

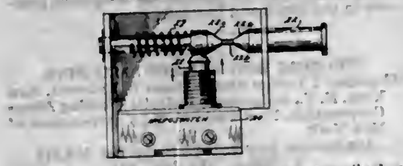
2,470,701

SAFETY SWITCH

Leonard Jacobs, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application August 29, 1947, Serial No. 771,321

2 Claims. (Cl. 200—54)



1. In apparatus of the character described, a switch having an actuating arm, a plunger mounted for axial movement along a line which intersects the line of movement of said arm, said plunger having an intermediate dwell-portion of reduced diameter, equal diameter end portions, and switch positions corresponding to said portions, said arm being biased into contact with said plunger, and a coil spring associated with said plunger biasing said plunger from one of said end positions to said intermediate position, said spring being inoperative when said plunger is in its other end position.

2,470,702

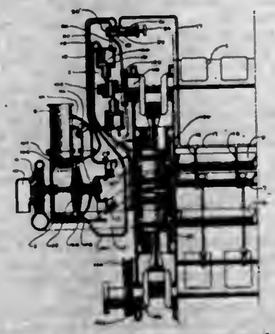
INTERNAL-COMBUSTION ENGINE PLANT, INCLUDING A SCAVENGING COMPRESSOR DRIVEN BY AN EXHAUST GAS TURBINE

Johan Erik Johansson, Goteborg, Sweden, assignor to Aktiebolaget Götaverken, Goteborg, Sweden, a corporation of the Kingdom of Sweden

Application April 17, 1944, Serial No. 531,523

In Sweden May 7, 1943

3 Claims. (Cl. 60—13)



1. An internal combustion engine plant comprising in combination, an internal combustion engine, a turbine adapted to be driven by exhaust gases from said engine, a scavenging air compressor mechanically connected with said turbine, a first exhaust gas conduit for supplying exhaust gases finally expanded in said engine to said turbine, a second exhaust gas conduit for supplying to said turbine high pressure exhaust gases at a pressure higher than the final pressure in said engine, a scavenging air conduit for supplying scavenging air from said scavenging compressor to said engine, a second compressor mechanically connected with said engine and constructed and arranged to produce air at a pressure higher than the pressure of said scavenging air and at a temperature lower than the temperature of said high pressure exhaust gases, means for supplying air from said second compressor to said turbine, and means responsive to an increase of the pressure of air produced by said second compressor for supplying air from said second compressor to said second exhaust gas conduit.

2,470,703

METHOD FOR OBTAINING FAT-SOLUBLE VITAMIN-CONTAINING MATERIALS IN OIL

Charles J. Kern, Long Island City, and Joseph M. Tabor, East Islip, N. Y., assignors to American Home Products Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 20, 1946, Serial No. 711,208

7 Claims. (Cl. 167—81)

3. The process of treating a vitamin-containing oil selected from the group consisting of fish and animal oils to extract its vitamin content and to obtain a highly potent concentrate therefrom comprising saponifying the oil and extracting the vitamin content with a mixture comprising an organic solvent in which fat-soluble vitamins are soluble and an oil selected from the group consisting of vegetable and mineral oil, the oil in said mixture being present to the extent of about 0.05% to 5% by weight of said solvent.

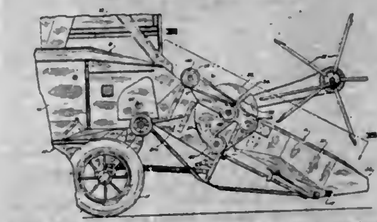
2,470,704

CROP FEED MECHANISM FOR COMBINES

Alfred Korsmo, Hopkins, and Martin Ronning, St. Louis Park, Minn., assignors to Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota

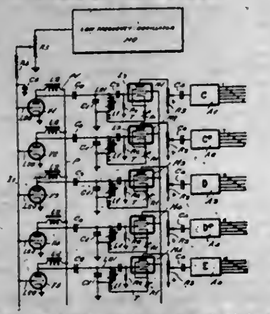
Application June 24, 1946, Serial No. 678,846

13 Claims. (Cl. 56—124)



3. In a combine having a thresher part and a harvester part located forwardly thereof, a first endless conveyor for moving grain from the harvester part in a rearward direction, a second endless conveyor for receiving grain from the first conveyor and delivering the grain rearwardly to the thresher part, the first conveyor being wider than the second and projecting at each side beyond the corresponding side of the second conveyor, and a pair of transverse conveyors positioned over the said projecting sides of the first conveyor for moving grain thereon inwardly and delivering this grain to the second conveyor.

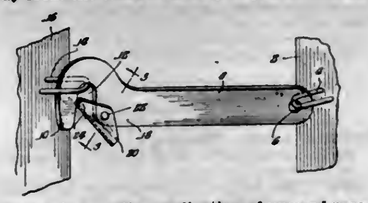
2,470,705
VIBRATO ORGANIZATION
Merwin J. Larsen, Rochester, N. Y., assignor to Central Commercial Company, Chicago, Ill., a corporation of Illinois
Original application September 19, 1944, Serial No. 554,837. Divided and this application June 27, 1946, Serial No. 679,616
3 Claims. (Cl. 250—36)



1. In a vibrato organization for electrical musical instruments, the combination comprising twelve frequency dividing circuits, said dividing circuits each embodying a plurality of space discharge devices adapted to produce frequencies at octave separation corresponding to the vibration frequencies of notes of the same letter in the even tempered musical scale; each of said space discharge devices having an output path provided with a selectively actuable electric switch adapted to be controlled from the playing-key of a keyboard; a master oscillator for and individual to each separate dividing circuit for transmitting a controlling frequency to the highest frequency stage thereof; and means for producing a vibrato effect in the output waves of all of said dividing circuits, said means embodying a low frequency oscillator and a set of high vacuum control tubes connected in circuit with said low frequency oscillator and concurrently activated thereby, and means including tuned resonant tank circuits connected with said master oscillators of the respective dividing circuits and with said control tubes and capacitative circuits for periodically shunting said tank circuits during alternate changes in the effective resistance of said control tubes and changes of voltage on the grids thereof.

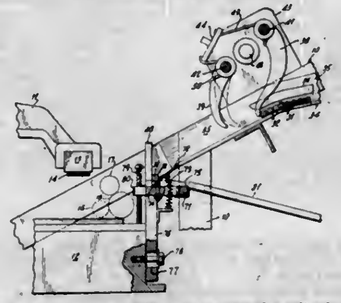
2,470,706
SAFETY HOOK
Charles O. Larson, Sterling, Ill.
Application June 11, 1945, Serial No. 598,833
2 Claims. (Cl. 292—108)

1. A livestock safety hook comprising an elongated, relatively flat bar having at one end provision for pivotal connection to a member to be locked, the opposite end of the bar being goose-necked in formation to provide a relatively long hook extending transversely of the longitudinal axis of the bar and an intervening long throat extending substantially parallel with the hook, and an elongated latch pivotally mounted to the bottom portion of the bar adjacent the bottom of the throat and adapted under the influence of gravity to assume an inclined position at an angle of substantially forty-five degrees to the longitudinal axis of the bar and with the lower end of the latch extending below the bar and lying laterally of the pivotal axis in a direction away from the throat whereby to prevent release



of the latch upon the application of upward pressure to the lower end thereof.

2,470,707
WELDING ROD MARKING MACHINE
Theodore I. Lewton and William B. Kriewall, New York, N. Y., assignors to Eutectic Welding Alloys Corporation, New York, N. Y., a corporation of New York
Application July 2, 1947, Serial No. 758,572
4 Claims. (Cl. 101—44)

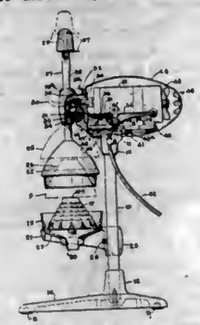


1. In a machine of the character described, the combination of a frame, a printing head mounted for back and forth reciprocating motion on the frame, means for so reciprocating the head, a supply receptacle for holding a plurality of cylindrical rods to be printed, said receptacle including a pair of parallel inclined side members on which the ends of the rods are supported to roll downwardly by gravity, two detents, one spaced upward of the other, disposed in the path of the rods for arresting rolling movement thereof, means for successively operating the detents first to open the upper detent to release one rod from the supply into engagement with the lower detent and then to open the latter, and means to close said upper detent as said lower detent is opened to release a rod into position for surface contact with the printing head on the forward stroke of the latter.

2,470,708
MOTORIZED PRESSURE JUICE EXTRACTOR
George Le Witt, New Britain, Conn.
Application March 11, 1947, Serial No. 733,737
6 Claims. (Cl. 100—42)

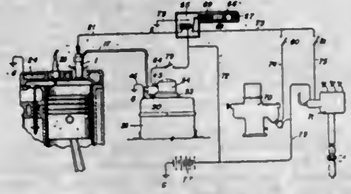
1. In a juice extractor, a supporting post having an upper side bracket, said bracket having a side hub, a rack mounted to move up and down within said hub, an idle pinion mounted on said bracket and engaging said rack, a shaft mounting said idle pinion and having a worm gear thereon, a gear reduction motor unit tiltably

mounted on said bracket, and carrying a worm on the motor shaft, said worm being caused to engage said worm gear when said motor unit is tilted in one direction, a stop on said bracket



engaged by the base of said motor unit to support said motor unit when tilted out of use, a base cone secured to said post, and a movable hollow juice extractor head secured to the lower end of said rack.

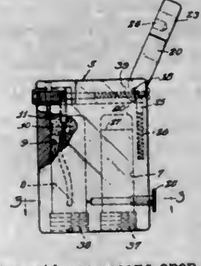
2,470,709
ENGINE COMBUSTION CONTROLLING DEVICE
Charles W. MacMillan, Alexandria, Va.
Application May 23, 1946, Serial No. 671,858
11 Claims. (Cl. 123—117)



1. In combination with an internal combustion engine, a balanced diaphragm type of pressure-responsive unit operatively disposed in contact with combustion chamber gases, a pressure control unit pneumatically communicating with said pressure-responsive unit, electromagnetic means for regulating the operation of said engine, an electric current source connected in circuit with said pressure-responsive unit, and means responsive to the functioning of said circuit for operation of said electromagnetic means.

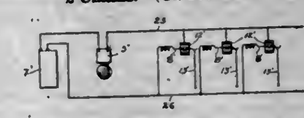
2,470,710
CIGARETTE LIGHTER
Homer A. Mason, Chicago, Ill.
Application July 27, 1946, Serial No. 686,629
4 Claims. (Cl. 67—7.1)

4. A cigarette lighter comprising, a body made of transparent material equipped with conventional spark creating means and wick means, a fuel chamber in the said body having the said wick connected thereto to feed minute quantities of fuel through capillary action to the top portion of the said wick, an auxiliary fuel chamber in the said body, valve means interconnecting the said fuel chamber and the said auxiliary fuel chamber, cap means made of transparent material articulately secured to the said body adapted to cover the exposed portion of the said wick, the said cap means being provided with dual indentations adjacent its point of articulation, resiliently urged detent means secured to the said body and adapted to engage alternately and releasably one of said dual indentations to



maintain the said cap means open and to sealably confine the exposed portion of the said wick when the said cap means is closed, and screw plug means acting as closures for independent accessibility to the openings of the said fuel chamber and the said auxiliary fuel chamber for filling the same with fuel when needed.

2,470,711
FIRE ALARM
Ivar O. Moberg, Lowell, Mass.
Application January 3, 1946, Serial No. 638,835
2 Claims. (Cl. 177—311)



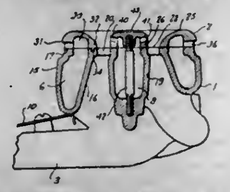
1. An apparatus of the character described, comprising an electrically operated alarm device, an electric circuit in which said device is operatively connected, a switch in said circuit comprising a movable contact and two stationary contacts, said movable contact being located between said stationary contacts, a means connected with said movable contact and tending to move the latter into engagement with one of said stationary contacts, and a thread connected with said movable contact and holding it normally in its open position, said thread being composed essentially of a copolymer of vinyl chloride and vinyl acetate and being prestretched, whereby it operates upon overheating to shrink and thereby to close the circuit through one of said stationary contacts and upon rupture to close the circuit through the other of said stationary contacts.

2,470,712
CATALYTIC DEALKYLATION OF ALKYLATED COMPOUNDS
Charles W. Montgomery and William A. Horne, Oakmont, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application September 18, 1946, Serial No. 697,826
4 Claims. (Cl. 260—672)

1. In a process for catalytically dealkylating a high boiling alkyl aromatic hydrocarbon into a

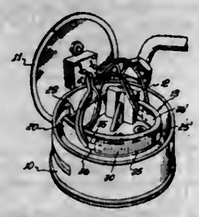
lower boiling homologue while in contact with hydrogen, a metallic catalyst of the eighth group of the periodic table, and at a temperature in the range 250° to 400° C., the step which comprises treating the catalyst in the absence of hydrogen with said high boiling alkyl aromatic hydrocarbon.

2,470,713
DOUBLE GAS BURNER WITH REMOVABLE CAP
Ervin H. Mueller, Grosse Pointe, Mich.
Application June 4, 1945, Serial No. 597,519
4 Claims. (Cl. 158—116)



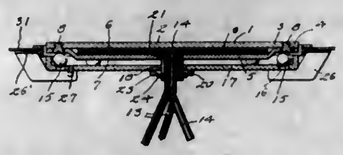
1. A double gas burner comprising a body member having outer and intermediate walls defining an outer chamber, said walls having top surfaces, an inner wall defining an upwardly opening inner chamber, said inner wall having a top surface, separate conduit means for conducting gas to the outer chamber and to the inner chamber, a cap member disposed on the body member, the underside of the cap member having alternate downwardly extending projections and recesses with the projections contacting the top surface of the outer wall to provide outwardly opening ports leading from the outer chamber for the issuance of flame supporting gas, said cap member seating on the intermediate wall to close the outer chamber, said cap member seating on the inner wall, the cap member having an aperture therein in substantial alignment with the inner chamber, upper surfaces of the cap member around said aperture having alternate upwardly extending projections and recesses, and a closure piece secured in position over the aperture and contacting with the upwardly extending projections around the aperture so that the recesses provide outwardly opening ports for the issuance of flame supporting gas.

2,470,714
ELECTRIC PRESSURE INDICATOR
Searle G. Nevius, Santa Monica, Calif.
Application February 9, 1945, Serial No. 577,090
5 Claims. (Cl. 201—63)



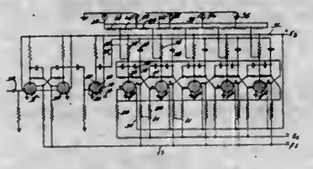
1. In a pressure pick-up instrument, a flexible tube adapted to be flexed by differential in fluid pressure between its interior and exterior, said tube being of curved longitudinal section and having its ends fixed against relative movement, and a strain sensitive element carried by a curved portion of the tube in position to be stressed by flexure of the tube in response to said fluid pressure differential.

2,470,715
ELECTRIC HEATING UNIT
Salvador Guillemin Olivares, Mexico City, Mexico
Application September 27, 1946, Serial No. 699,680
In Mexico September 27, 1945
1 Claim. (Cl. 219—37)



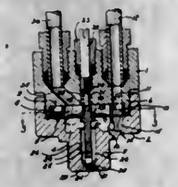
A heating unit comprising a disc-shaped upper plate formed with a non-reflecting upper surface, a disc-shaped lower plate formed with an upwardly offset rim, means securing said plates together, a heating element disposed in the space between said plates, said heating element being formed of radially disposed heating coils, heat insulated means between said element and said plates, supporting means secured to said plates and extending laterally therefrom, and a flanged reflecting rim carried by said supporting means spaced from the marginal edges of said plates, said supporting means including a flanged disc formed with spaced openings, spherical heat insulating members seating in said openings and bearing against the lower side of said lower plate for supporting the latter spaced from the flange of said flanged disc, and radially extending supporting arms carried by said flanged disc.

2,470,716
ELECTRONIC COUNTING SYSTEM
Wilcox P. Overbeck, Chicago, Ill., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application June 11, 1943, Serial No. 490,505
10 Claims. (Cl. 235—92)



1. A counting system comprising an odd number, five or more, of trigger circuits each capable of assuming a conducting and a non-conducting condition of stability, conduction-controlling means for each circuit, connections between each circuit and the conduction-controlling means of adjacent circuits to establish different conditions of stability for alternate trigger circuits except for two adjacent circuits which are in the same condition of stability, and means responsive to an initiating pulse to affect the position of said adjacent circuits in relation to the other trigger circuits in the system.

2,470,717
FUEL INJECTOR FOR INTERNAL-COMBUSTION ENGINES
Vincent Palumbo, Cleveland Heights, Ohio
Original application March 16, 1944, Serial No. 526,696. Divided and this application September 5, 1946, Serial No. 694,949
7 Claims. (Cl. 299—107.6)



1. A fuel injector for internal combustion engines comprising a diaphragm means including a peripheral holding part and a working part, a valve having operative connection with said working part of the diaphragm means, a casing member enclosing a valve opening working space and a shoulder surrounding an open side of said space and wherewith the peripheral holding part of the diaphragm means is engaged, said casing member having an outlet orifice in operative relation to which said valve is disposed, a ring-like element engaged with the peripheral holding part of the diaphragm means on the side thereof opposite said shoulder, said element having a recess that opens through the face of the element opposite that engaging said holding part, a second casing member arranged in face-to-face relation with the first casing member, means for holding the two casing members together with said holding part clamped between said shoulder and the ring-like element, the space surrounded by said ring-like element constituting a valve closing working space, the second mentioned casing member including an inlet passage that opens into said recess and a relief passage that opens into the valve closing working space, there being passageways through which communication is established between said recess and the valve opening working space, and there being also a bleeder port through which communication is established between said working spaces, the cross sectional area of which port is substantially smaller than that of said passageways.

2,470,718
SPRAY GUN
Donald J. Peeps, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application September 8, 1947, Serial No. 772,779
1 Claim. (Cl. 299—140.1)

In a spray gun of the type described, a body having a spray material duct and an air duct, an internally threaded cylindrical nipple extending axially from the forward end of the gun with which the spray material duct communicates, the air duct having its outlet above the nipple, a spray material tip with an axial bore and a ported peripheral flange, said tip being threadedly connected to the nipple, an air cap fitted over the tip and seating against the forward side of the edge of the flange, said cap being provided with a central air port surrounding the outlet of the tip and with two opposed side air ports which have supply passages with entrances radially outside of the seating contact between the cap and the flange, an annular air dividing and baffling member fitting tightly in reenforcing engagement over the nipple and held between the rear side of the flange and the forward end of the body, there being an air chamber between the member and the body communicating with the air duct, said annular member having passages therethrough terminating on its forward face radially inside of the contacting surface between the rear side of the flange and the member, said passages directing air from the chamber forwardly through the ported tip flange to the central air



port of the cap, said member also having secondary air passage means directing air from the chamber forwardly past the outer edge of the flange to the two opposed side air ports of the cap, the said secondary air passage means having a single entering port on the rear side of the member directly in line with the outlet of the air duct, a valve seating in said entering port, and a valve shank extending rearwardly and axially within the air duct and with a manually operable part extending exteriorly from the rearward portion of the spray gun.

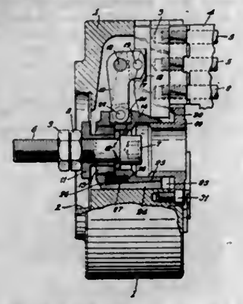
2,470,719
STABILIZED FOAM-FORMING COMPOSITION
Joseph M. Perri, West Chester, Pa., assignor to National Foam System, Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 26, 1945, Serial No. 596,083
4 Claims. (Cl. 252—307)

1. A foam-forming composition consisting essentially of an aqueous solution of a protein hydrolysate containing a heavy metal salt of an inorganic acid selected from the group consisting of the chlorides, nitrates and sulphates of ferric iron, aluminum, chromium, nickel and cobalt in combination with urea in an amount sufficient to render said salt soluble in said solution.

2,470,720
SELF-LOCKING CHUCK
Harry L. Proctor, Logansport, Ind., assignor to Logansport Machine Co. Inc., Logansport, Ind., a corporation of Indiana
Application May 31, 1947, Serial No. 751,515
13 Claims. (Cl. 279—119)

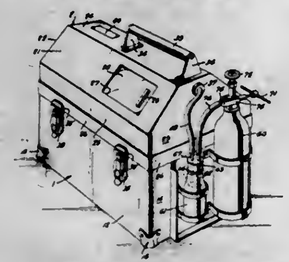
5. In a chuck, a housing, a draw sleeve mounted for axial movement, and chuck jaws mounted for radial movement therein, actuating means between the sleeve and the jaws whereby axial movement of the sleeve imparts

radial movement to the jaws means for displacing the sleeve axially to close the chuck jaws, means interposed between the housing and the



sleeve for automatically locking the sleeve against jaw release movement by centrifugal force.

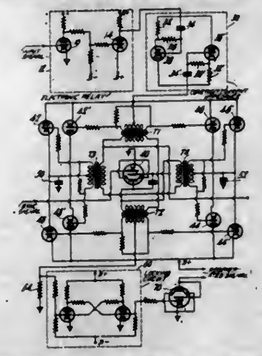
2,470,721
PORTABLE INFANT INCUBATOR
John Louis Pragel, Baltimore, Md.
Application August 15, 1947, Serial No. 766,761
7 Claims. (Cl. 128—1)



1. A portable infant-incubator comprising a casing defined by a bottom, side and end walls, a removable rack fitted within said casing having a platform spaced from the bottom and sides of said casing for supporting an infant thereon, the spaces between the platform and casing adapted to accommodate a plurality of hot water bottles to warm the interior of said casings, a hood-shaped cover for said casing coextensive with the upper boundaries thereof hingedly mounted to the top thereof along one side for covering completely said casing, fastening means on the other side thereof for effecting a close fit of said cover on said casing, said cover having an opening in at least one side thereof and a transparent movable closure for said opening to permit access to the infant, and means for admitting oxygen into said casing for utilization by the infant.

2,470,722
ELECTRONIC SYNCHRONOUS SIGNAL REGENERATOR
Sydney Rattner, Baltimore, Md., assignor to Radio Corporation of America, a corporation of Delaware
Application February 15, 1949, Serial No. 76,532
4 Claims. (Cl. 178—70)

1. Electrical apparatus comprising, in combination, a source of signal intelligence composed of mark and space elements, an electronic relay actuated under the control of said signal intelligence for producing a first reference potential during said mark elements and a second reference potential during said space elements, a plurality of charging devices, an impedance device, an electronic commutator alternately and cyclically at



unit interval frequency charging said devices by said potentials at a constant current rate and discharging said devices through said impedance, the charging of said devices taking place over substantially the entire unit interval, and means for producing regenerated signals in accordance with potentials developed across said impedance.

2,470,723
PLASTIC FASTENING
Paul C. Roche, Erie, Pa., assignor to National Organ Supply Company, Erie, Pa., a corporation of Pennsylvania
Application May 31, 1946, Serial No. 673,393
1 Claim. (Cl. 279—89)

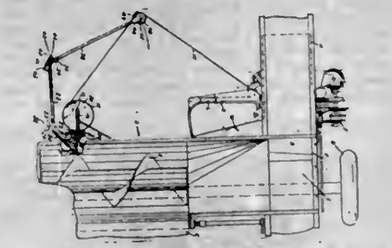


A part of flexible plastic having molded therein a tunnel and a passageway leading from the outside of the part and extending transverse to and intersecting the tunnel, a part of the passageway being offset to one side of the tunnel to provide a locking shoulder facing away from the tunnel entrance, and a mating part having a shank received in the tunnel and a head on the shank received in the passageway and engaging the shoulder.

2,470,724
FEED REGULATING MEANS FOR BALER TYING MECHANISMS
Martin Ronning, St. Louis Park, and Kenneth M. Keith, Minneapolis, Minn., assignors, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota
Application April 8, 1944, Serial No. 530,090
6 Claims. (Cl. 100—20)

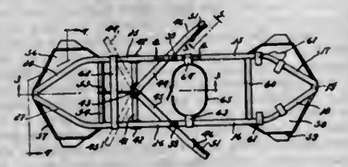
1. The combination with a baler having a bale tying mechanism and a rotatable spool of wire for feeding wire to said mechanism, of mechanism for regulating the feed of the wire to said

tying mechanism, comprising, a brake member, a swingable arm for actuating said brake member, spring means operative to move said arm to normally apply the brake member to the spool, a second arm pivotally connected to and swingable



on the first arm and engaging the wire to draw it away from a line between the spool and tying mechanism, and means responsive to movement of said second arm for swinging the first arm to release the brake member from the spool.

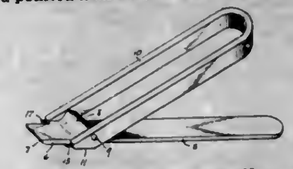
2,470,725
SWIMMER'S BOAT
Gustaf W. Rydner, Detroit, Mich.
Application July 5, 1945, Serial No. 603,389
5 Claims. (Cl. 9—18)



1. A device of the class described comprising a pair of frame sections hingedly connected together at their opposed ends, each of said sections comprising an upper frame and a lower frame positioned in alignment with each other and embodying spaced-apart rails; means for locking said sections against relative swingable movement; supporting arms on the upper rails of one of said sections and projecting below the lower rails of the corresponding section; and a supporting belt carried on the lower end of said supporting members for supporting a body at a point below the lowermost rails of said frame.

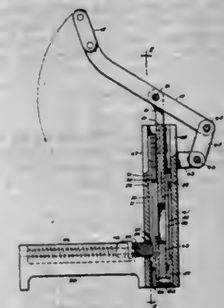
2,470,726
STAPLE REMOVER
Werner Schafroth, Brookline, and George M. Beal, Lansdowne, Pa., assignors to International Staple and Machine Company, Clifton Heights, Pa., a corporation of Pennsylvania
Application November 19, 1945, Serial No. 629,358
3 Claims. (Cl. 254—28)

1. A staple remover designed for use in removing heavy duty staples from cartons and similar packages, said staple remover comprising a flat elongated base plate, one end portion of which is formed as an anvil adapted to engage the exposed face of the back of a staple with the entire remainder of the base plate resting on the exposed surface of the carton from which the staple is to be removed, a pivot pin carried by said base plate, a lever carried by said pivot pin, and a pair of spaced pointed members carried by said lever, po-



sitioned on each side of said anvil and adapted to be inserted beneath the back of said staple.

2,470,727
ANVIL CLINCHING STAPLING MACHINE
Werner Schafroth, Brookline, Pa., assignor to International Staple and Machine Company, Clifton Heights, Pa., a corporation of Pennsylvania
Application November 30, 1945, Serial No. 631,965
5 Claims. (Cl. 1—49)

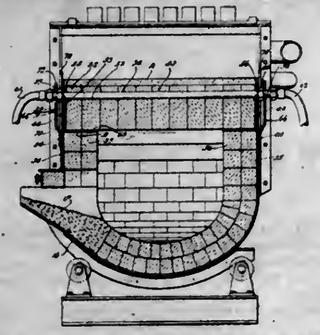


1. In a stapling machine, a frame, a sliding block movably mounted on the frame, a handle by which said block may be operated, a staple driving plunger arranged on the frame and operatively connected to and movable by said block, staple clinching anvils arranged on the frame and operatively connected to and movable by said block, cam means on said block and influencing said plunger, and other cam means on the block influencing the anvils, said last-mentioned cam means being arranged below the first-mentioned cam means and operable subsequently thereto.

2,470,728
REVERBERATORY FURNACE
Wenzeslaw Frank Sklenar, Chicago, Ill., assignor of one-fourth to John H. Ehard, Chicago, Ill.
Application October 3, 1946, Serial No. 701,036
8 Claims. (Cl. 266—33)

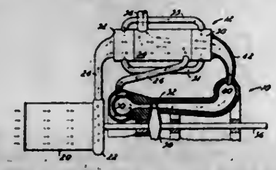
1. In a reverberatory furnace for melting metals, the combination of a curved bottom shell, said shell being lined with refractory material and forming an elongated chamber with a well for metal having a burner opening at its front end and an uptake at its rear end, with a pair of side walls each comprising a metal shell member and a refractory lining, the said side walls having upper supporting surfaces, the surfaces being stepped downwardly toward the uptake, and a plurality of arch units laid side by side engaging each other on said supporting surfaces to

form a closed roof, the said arch units each comprising a pair of clamping plates and a cooling tube member joining said plates and placing a predetermined pressure upon a plurality of



bricks forming the arch, the said arch units each having a compressible pad between said plates and the end bricks whereby the expansion and contraction of the bricks is permitted and taken up by said pad.

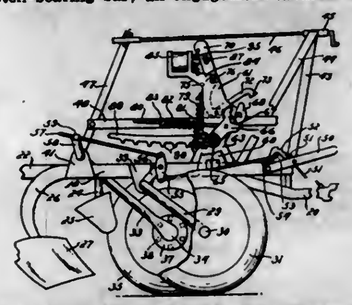
2,470,729
GAS TURBINE POWER PLANT
Edward A. Stalker, Bay City, Mich.
Application May 14, 1947, Serial No. 748,097
4 Claims. (Cl. 60—41)



1. In combination, a liquid-containing high temperature heat exchanger, a liquid-containing low temperature heat exchanger, means connecting said liquid exchangers in series for the flow of liquid from one to the other to convey heat therebetween, a gas regenerator, means to direct motive fluid through said low temperature exchanger and said regenerator in succession to heat said motive fluid, and means to direct heating gas through said high temperature exchanger and said regenerator in succession to heat said liquid and said motive fluid flowing through said regenerator.

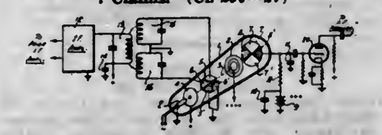
2,470,730
FLOW CONTROL
Benjamin D. Stevenson, Flushing, Mich.
Application July 9, 1945, Serial No. 603,824
1 Claim. (Cl. 97—72)

In a device of the class described, a supporting frame adapted for supporting a ground working implement and movable to operative and inoperative position; a raising mechanism for raising said frame from operative to inoperative position; a latch mechanism for retaining said raising mechanism in inoperative position; a pair of spaced apart plates mounted on and projecting upwardly from said frame; an arm pivotally mounted on and adapted for movement between said plates; a swingably mounted latch releasing dog on said arm and adapted upon movement of said arm in one direction for releasing said latching mechanism; a bracket mounted on and projecting outwardly from the upper end of said plates; a solenoid mounted on said bracket; and a slidable plunger in said solenoid adapted upon energizing of said solenoid for moving said arm in said direction; means for preventing movement of said frame from inoperative to operative position and embodying a longitudinally, movable notch-bearing bar; an engagement member en-



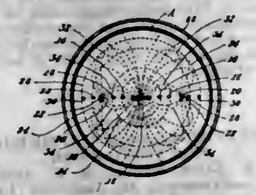
gageable in the notch in said bar for preventing longitudinal movement of the same and retaining said frame in inoperative position; a roller bearing arm mounted on said first named arm and lying between said plates; a roller on the lower end of said roller bearing arm engageable with the upper face of said bar for normally retaining said engagement member in said notch; a heel on said dog engageable with said roller and adapted upon movement of said first named arm in said direction for moving said roller bearing arm to inoperative position for permitting dis-engagement of said notch with said engagement member and retaining said roller bearing arm rocked to inoperative position for preventing binding of said roller with said bar.

2,470,731
ANGLE MODULATED CARRIER WAVE DETECTOR
George C. Szikiai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 14, 1944, Serial No. 544,939
7 Claims. (Cl. 250—27)



2. A detector of angle modulated carrier waves comprising a frequency discriminator network for deriving from said waves a first and a second high frequency voltage whose relative magnitudes vary in accordance with instantaneous frequency deviations of said waves relative to the center frequency thereof, a cathode ray tube including an emitter of a primary electron stream, a target arranged to be traversed by said electron stream and having at least two areas of substantially different secondary electron emission ratio, an electrode for collecting secondary electrons liberated from said target, deflectors coupled to said frequency discriminator network and constructed so as to deflect said electron stream in one direction in accordance with said first voltage and at right angles to said one direction in accordance with said second voltage, and an output circuit including an impedance element effectively connected between said target and said collector electrode for developing an output voltage representative of the modulation of said waves.

2,470,732
NEGATIVE TRANSCONDUCTANCE ELECTRICAL DISCHARGE TUBE
Juan Francisco Visscher, Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee
Application November 5, 1943, Serial No. 509,136
4 Claims. (Cl. 250—27.5)

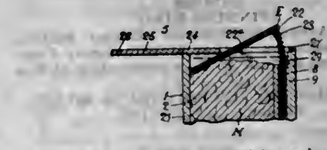


1. A negative transconductance tube comprising a cathode, an output electrode comprising two rod-shaped members placed at opposite sides of said cathode substantially in a plane through said cathode and plate members on said rod-shaped members, an anode, a control electrode adjacent to and surrounded by said anode and surrounding said rod-shaped and plate members and said cathode, first and second auxiliary electrodes, said first auxiliary electrode surrounding said cathode and said second auxiliary electrode surrounding said first auxiliary electrode and separating said output electrode from said cathode, a third auxiliary electrode interposed between said output electrode and said control electrode, said second auxiliary electrode having diametrically opposed shielding plates having longitudinal axes arranged substantially parallel to the longitudinal axis of the electrode system of the tube and being located in said plane, said shielding plates being placed to shield said output electrodes from the direct flow of electrons from said cathode.

2,470,733
STABILIZED BLASTING EXPLOSIVE COMPOSITION
Edward Whitworth, West Kilbride, and James C. Hornel, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 20, 1946, Serial No. 644,195. In Great Britain March 14, 1945
4 Claims. (Cl. 52—11)

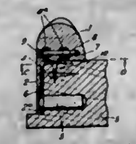
1. A blasting explosive composition comprising a liquid explosive nitric ester, at least one salt selected from the group consisting of ammonium nitrate and a mixture of ammonium nitrate and sodium nitrate, and from 0.25 to 2.5% by weight of a substantially equimolecular mixture of at least one dialkali hydrogen ortho-phosphate and at least one alkali metal dihydrogen ortho-phosphate.

2,470,734
POCKET LIGHTER FOR CIGARS AND CIGARETTES
Raymond Welanske, North Tonawanda, N. Y., assignor to Hygrade Industries, Inc., Buffalo, N. Y., a corporation of New York
Application May 23, 1947, Serial No. 749,947
4 Claims. (Cl. 67—7.1)



1. A pocket lighter comprising a body member having a main chamber for an absorbent medium in which liquid fuel is held in suspension and a second narrow tubular chamber parallel to the main chamber, the body member having a continuous bottom opening and having front and side walls which project beyond the bottom opening and a rear wall formed to provide a recess adjoining the bottom opening, the front, side and rear walls framing the bottom opening, a plate closely fitting within the bottom opening and being freely movable angularly with respect thereto whereby at its front end it projects outward beyond the bottom opening and at its rear end projects inward beyond the bottom opening and into the chamber, a flint element loading spring confined within the second chamber and having its lower end attached to the front end portion of said plate, and a panel normally fitted and confined within the projecting portion of the side and front walls of the body member and slidably movable in either direction of its plane through said recess and between said side walls, the panel being completely removable from the body member by sufficiently continued outward sliding movement, the inner end of the panel providing a fulcrum about which the plate may progressively tilt during the sliding movement of the panel relatively to the bottom opening, the movement of the panel to fully closed position causing the plate, under the pressure of the spring, to occupy a position immediately below the panel and in a plane parallel to it in which position the plate is in normal uniform contact with the panel.

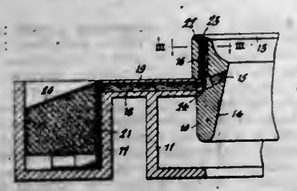
2,470,735
STAPLE FOR DOOR LOCKS
Leonard Weare Young, Moor Park, England, assignor to Ingersoll Limited, London, England
Application November 20, 1946, Serial No. 710,963
In Great Britain June 18, 1945
3 Claims. (Cl. 292—340)



1. A construction for door locks comprising a cover plate for attachment to a door jamb and having apertured lugs extending outwardly therefrom, a door lock member mounted over said cover plate and for fitting against the door jamb, recesses in said member for receiving said lugs,

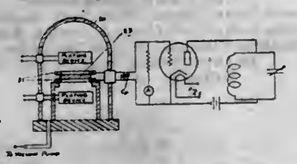
bores in said member and coinciding with the apertures in said lugs, and pins in said bores and extending through said apertures to secure said member to said cover plate, said bores opening in a portion of said member that is covered when the door is closed to render said pins inaccessible.

2,470,736
SPINNING RING
Hyatt B. Atwood and Charles Fillinger, Buffalo, N. Y., assignors to Herr Manufacturing Company Inc., Buffalo, N. Y., a corporation of New York
Application July 31, 1946, Serial No. 687,370
6 Claims. (Cl. 57—120)



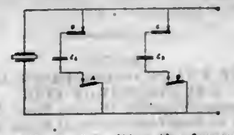
1. A device of the character described, comprising a spinning ring for a traveler having traveler-engaging bearing faces at its inner and top sides and having intersecting transverse and upright ports opening onto such faces, respectively, a lubricant well applied to the ring in lubricant-conducting relation to said ports, a wick in lubricant-conducting relation with said well and extending through said transverse port for feeding the lubricant to the inner bearing face of the ring, and means in said upright port defining a plurality of lubricant-conducting elements in communicating relation at their lower end with the transverse port for feeding the lubricant by capillary attraction to the top bearing face of the ring.

2,470,737
METHOD AND MEANS OF FINISHING PIEZOELECTRIC CRYSTALS
Henry M. Bach, Lawrence, N. Y., assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y.
Application August 29, 1944, Serial No. 551,738
5 Claims. (Cl. 171—327)



1. A method of processing a piezo-electric plate comprising the steps of varying the input reactance across the plate until a value of reactance is obtained causing the plate to have an activity dip, etching the plate to remove surface material therefrom, and then loading the plate until the activity dip of the plate occurs at substantially the same value of input reactance as that at which the activity dip was originally obtained.

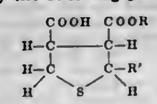
2,470,738
TEMPERATURE COMPENSATED CRYSTAL UNIT
Henry M. Bach, Lawrence, N. Y., assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y.
Application January 30, 1945, Serial No. 575,236
15 Claims. (Cl. 171—327)



1. The method of limiting the frequency variation with temperature of a piezo-electric vibratory plate comprising the steps of decreasing the input impedance of the plate when the frequency rises above a first upper limit value as a result of temperature changes, and increasing the input impedance when the frequency drops below a second lower limit value as a result of other temperature changes.

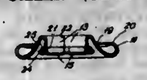
2,470,739
CARBOXYTHIOPHANES AND METHOD OF PREPARING SAME
Bernard R. Baker, Nanuet, N. Y., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 16, 1945, Serial No. 605,468
6 Claims. (Cl. 260—329)

1. Compounds of the group consisting of those represented by the following general formula:



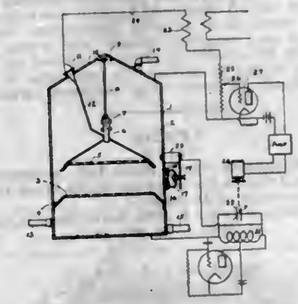
wherein R is an alkyl radical and R' is a carbalkoxyalkyl radical.

2,470,740
REINFORCED SOCKET FOR SNAP FASTENERS
Paul E. Fenton, Middlebury, and Otto J. Hueister, Waterbury, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application September 28, 1944, Serial No. 556,236
17 Claims. (Cl. 24—216)



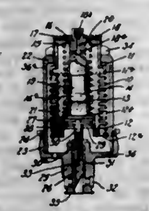
1. In snap fasteners, a socket part having a tubular stud receiving portion defined by circumferentially arranged yieldable members, an imperforated wall extending integrally from one end of said members and circumferentially enveloping said members, the other end of said members terminating in inwardly directed stud engaging projections, a spring ring arranged upon outer surfaces of said members adjacent the second named end thereof, and means on said members retaining said ring against accidental displacement therefrom.

2,470,741
AUTOMATIC AGITATOR FOR APPARATUS SUBJECTING LIQUID TO ELECTRICAL POTENTIAL BETWEEN ELECTRODES
Herman L. Gordon, Silver Spring, Md., assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y.
Application May 26, 1945, Serial No. 595,933
6 Claims. (Cl. 204—273)



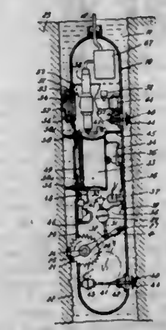
1. An automatic agitator for an apparatus wherein liquid is subjected to an electrical potential between electrodes, comprising a container for the liquid, said container having a vibratory wall portion, electrical means for driving said vibratory wall portion, and a control circuit connected to said electrical means and connected in series with the electrodes, said control circuit including means for energizing said electrical means in accordance with the resistance across the electrodes.

2,470,742
DENSITY RESPONSIVE DEVICE
Elmer A. Haase and Jay A. Bolt, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 6, 1944, Serial No. 525,278
2 Claims. (Cl. 236—92)



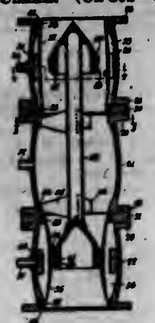
1. A density-responsive control unit for actuating a regulating element such as a needle valve in accordance with changes in pressure and temperature over a certain altitude range including a corrugated bellows having a movable end, means connected to said latter end mounting said element, a cap at the opposite end of the bellows, supporting means to which said cap is secured, a hollow cylinder located centrally of the bellows and fixed to said movable end, a piston member projecting from said cap into said cylinder, said bellows being partly evacuated to an internal pressure corresponding to a pressure existing at an altitude well above normal ground level, a spring in said bellows encircling said cylinder and piston and functioning to sustain the bellows against abnormal collapse at ground level barometer due to evacuation, a damping fluid partly filling the bellows and a temperature-responsive inert gas filling the space above the damping fluid, said cylinder being ported to the interior of the bellows to provide a dash-pot action during extension and contraction of the bellows.

2,470,743
METHOD AND APPARATUS FOR GEOPHYSICAL PROSPECTING
Frank P. Hochgesang, Woodbury, and Carleton H. Schlesman, Camden, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application September 16, 1944, Serial No. 554,380
1 Claim. (Cl. 250—53)



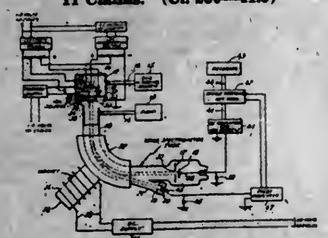
An apparatus for geophysical prospecting comprising in combination an elongated sealed housing adapted to be lowered and raised in a drill hole, means including a cable for lowering and raising said housing in the drill hole, milling cutters carried by said housing for removing the mud sheath from at least a portion of the wall of said drill hole, squeegees also carried by said housing for scraping that portion of the wall from which the mud sheath has been removed, means defining a chamber in said housing, a window in the means defining the chamber adapted to contact the cleaned wall of the drill hole, means including a bellows for extending and retracting said window with respect to the housing, guide means for said housing, pneumatic means for extending said guide means into contact with the wall of the drill hole, separate pneumatic means for operating the milling cutters, the squeegees, the guide extending means, and the means for extending and retracting the window, a multifrequency source of power, electrical means responsive to different frequencies of power for selectively energizing said pneumatic means, an X-ray tube in said chamber for generating X-rays, means for directing the X-rays through said window against the cleaned wall of the drill hole, and a photosensitive element in said chamber for recording the X-rays that have been dispersed by diffraction produced by the crystalline substance or substances in the wall and which have been back-reflected into the chamber.

2,470,744
AIR LOCK AND VALVE FOR PNEUMATIC CONVEYING SYSTEMS
Arthur H. Kern, New York, N. Y., assignor to Airborne Conveyors Corporation, New York, N. Y., a corporation of New York
Application October 22, 1945, Serial No. 623,750
7 Claims. (Cl. 302—62)



1. In a pneumatic system including regions of different pressure, an air-lock interposed between said regions and comprising inlet and outlet chambers and an intermediate chamber, the inlet and outlet chambers communicating respectively with said regions of different pressure, means for varying the pressure in said intermediate chamber to make it alternately equal to said different pressures, a pair of valves positioned between the intermediate chamber and the inlet and outlet chambers respectively, each valve comprising a centrally disposed valve seat and a deflectable tubular sleeve surrounding said valve seat and adapted to deflect into and out of a valve-closing position in contact with said valve seat, the deflections of said sleeve being responsive to the pressures on its opposite sides, and means for subjecting the opposite sides of each sleeve to said different pressures in a predetermined timed sequence to establish communication between the chambers whose pressures have been equalized and to seal off communication between the chambers whose pressures are different.

2,470,745
MASS SPECTROMETER
Carleton H. Schlesman, Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application May 15, 1945, Serial No. 593,952
11 Claims. (Cl. 250—41.9)



1. A mass spectrometer of the scanning type comprising in combination a source of an ion stream, means for dispersing said ion stream in accordance with the mass of the ions to form a mass spectrum, a main target therefor, means to sweep the spectrum across said target, an auxiliary target disposed within the path of said sweeping spectrum but between the original position of said spectrum and said main target, whereby a portion of said spectrum undergoing deflection will strike said auxiliary target before striking said main target, means to amplify the electrical signals produced by said main target as said spectrum is directed thereacross, means to record said amplified signals, and means actuated by the electrical signals produced by the auxiliary target to control the recording of the electrical signals produced by the main target.

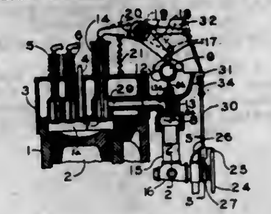
2,470,746
VALVE
Harold B. Schultz, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 8, 1945, Serial No. 621,095
5 Claims. (Cl. 303—54)



1. A valve for use in a fluid pressure system comprising a valve body, inlet, working and return ports in the body, means communicating the ports with one another, a poppet valve in the body subjected to inlet port pressure, means in the body having an opening therein to slidably receive one end of the poppet valve to provide a guide therefor, said one end of the poppet valve constituted to be sealed from the inlet port pressure, means normally urging the poppet valve toward its seat to cut off communication between the inlet port and the other two ports, valve means in the body including a valve head carried by the other end of the poppet valve and a valve seat movable with respect to the valve head for controlling communication between the working and return ports and normally arranged to establish communication between the working and return ports, a longitudinal passage extending through the poppet valve and valve head, and means for operating the valve means and the poppet valve to urge the latter in a direction away from its seat to establish communication between the inlet and the working port and to urge the former in a direction to cut off communication between the working and return ports, said poppet valve seat, opening, and valve head, having equal diameters so constituted as to provide equal effective areas subject to inlet, return and working port pressures, whereby a hydraulically balanced poppet valve is obtained irrespective of the position of said poppet valve.

2,470,747
DUAL FUEL COMBUSTION SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Harold F. Shepherd, Springfield, Ohio, assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 12, 1945, Serial No. 615,762
9 Claims. (Cl. 60—16)

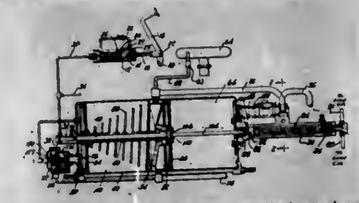
1. In a multi-cylinder compression ignition engine adapted for the burning of dual fuels, including a high pressure starting air regulating valve adapted to control the introduction of high pressure starting air to start said engine, a check valve in the cylinder head in communication with said starting air regulating valve through which high pressure starting air passes enroute to said



cylinder, means to hold said starting air regulating valve open after the engine has been started and means to operate said check valve to control the admission of low pressure gaseous fuel passing through said open starting air regulating valve into said cylinder for engine operation.

2,470,748
BOOSTER UNIT FOR HYDRAULIC PRESSURE SYSTEMS
Thomas H. Thomas and Earl R. Price, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 4, 1943, Serial No. 504,854
4 Claims. (Cl. 60—54.5)

4. For use in a hydraulic pressure system, a booster unit comprising a power cylinder casing, a partition dividing said casing into two sections except for an opening through the center thereof, two power pistons arranged in tandem each in one of the sections of the power cylinder, a tubular member extending through the opening in the partition to interconnect the two power pistons and combine them into a unitary power element, a hydraulic master cylinder having an outlet port adapted to be connected to a hydraulically operated motor, a piston reciprocable in the master cylinder, force transmitting means arranged to transmit force from the unitary power element to the master cylinder piston, a hydraulic follow-up cylinder located at the rear end of the power cylinder casing and including a sleeve extending into the interior of the aforementioned tubular member, said hydraulic follow-up piston having an inlet port adapted to

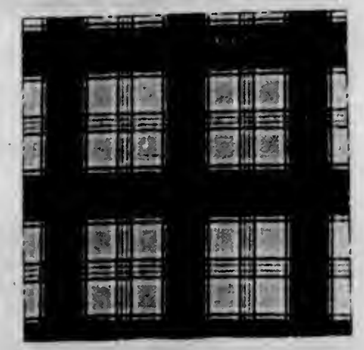


be connected to an operator operated master cylinder, a piston in said hydraulic follow-up cylinder extending through said sleeve and acting against the unitary power element to add its force to that developed by the power cylinder pistons, said follow-up piston having a cross-sectional area appreciably less than the cross-sectional area of the piston in the power operated master cylinder, and hydraulically operated valve means acted on by the pressure developed in the operator operated master cylinder and arranged to control operation of the power cylinder pistons.

DESIGNS

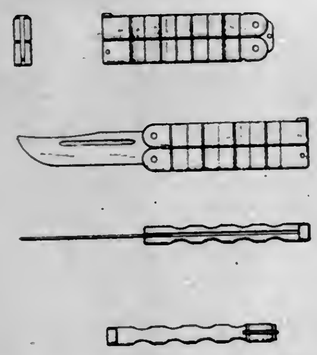
MAY 17, 1949

153,745
DESIGN FOR A TEXTILE FABRIC
John H. Abt, New York, N. Y.
Application April 26, 1948, Serial No. 145,966
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric, substantially as shown.

153,746
DESIGN FOR A KNIFE OR SIMILAR ARTICLE
Cecil H. Alexander, Grand Junction, Colo., assignor to Zip Clip Knife Corporation, Grand Junction, Colo., a corporation of Colorado
Application July 28, 1947, Serial No. 140,567
Term of patent 3½ years
(Cl. D22—3)



The ornamental design for a knife or similar article, as shown.

153,747
DESIGN FOR A SHELL FOR A BRACELET OR SIMILAR ARTICLE
Eric G. O. Anderson, Cranston, R. I., assignor to Everfine Jewelry Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application July 28, 1947, Serial No. 140,556
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a shell for a bracelet or similar article, as shown.

153,748
DESIGN FOR A TOP SHELL FOR AN EXPANSIBLE BRACELET OR SIMILAR ARTICLE
Eric G. O. Anderson, Cranston, R. I., assignor to Everfine Jewelry Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application September 25, 1947, Serial No. 141,580
Term of patent 3½ years
(Cl. D45—4)



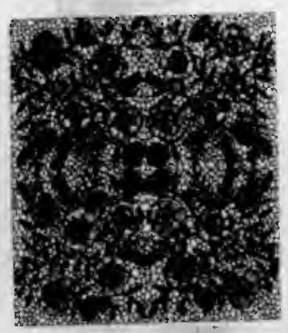
The ornamental design for a top shell for an expansible bracelet or similar article, as shown.

153,749
DESIGN FOR A TOP SHELL FOR AN EXPANSIBLE BRACELET OR SIMILAR ARTICLE
Eric G. O. Anderson, Cranston, R. I., assignor to Everfine Jewelry Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application September 25, 1947, Serial No. 141,581
Term of patent 3½ years
(Cl. D45—4)



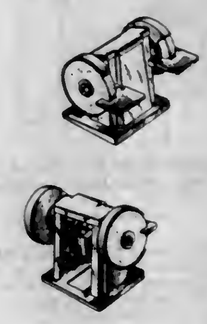
The ornamental design for a top shell for an expansible bracelet or similar article, as shown.

153,750
DESIGN FOR A LACE
Ralph L. Anderson, New York, N. Y.
Application September 12, 1947, Serial No. 141,359
Term of patent 3½ years
(Cl. D47—6)



The ornamental design for a lace, as shown and described.

153,751
DESIGN FOR A GRINDER
Merrill K. Apple, Oakland, Calif., assignor to McCaldry, Inc., Oakland, Calif., a corporation of California
Application September 10, 1946, Serial No. 133,223
Term of patent 3½ years
(Cl. D37—1)

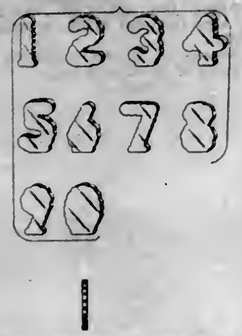


The ornamental design for a grinder, substantially as shown.

153,752
DESIGN FOR A FONT OF SIGN LETTERS OR SIMILAR ARTICLE
Joseph E. Baker, Newark, Ohio
Application March 6, 1947, Serial No. 137,393
Term of patent 3½ years
(Cl. D64—12)

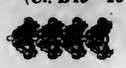


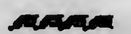
153,752—Continued



The ornamental design for a font of sign letters or similar article, substantially as shown and described.

153,753
DESIGN FOR A JEWELRY CHAIN
Paul Bardach, Providence, R. I.
Application October 9, 1948, Serial No. 149,055
Term of patent 3½ years
(Cl. D45—16)







The ornamental design for a jewelry chain, substantially as shown.

153,754
DESIGN FOR A JEWELRY CHAIN
Paul Bardach, Providence, R. I.
Application October 9, 1948, Serial No. 149,058
Term of patent 3½ years
(Cl. D45—16)







The ornamental design for a jewelry chain, substantially as shown.

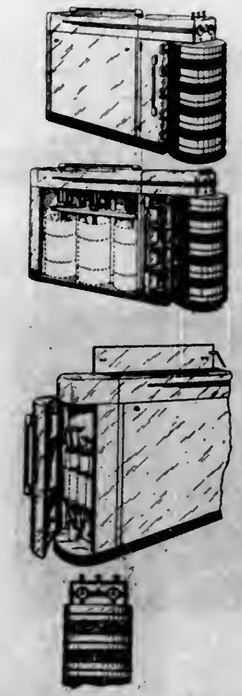
153,755
DESIGN FOR A JEWELRY CHAIN
Paul Bardach, Providence, R. I.
Application October 9, 1948, Serial No. 149,060
Term of patent 3½ years
(Cl. D45—16)





The ornamental design for a jewelry chain, substantially as shown.

153,756
DESIGN FOR AN AUTOMOBILE SERVICING UNIT
Basil A. Beaver, Minneapolis, Minn.
Application February 4, 1948, Serial No. 144,276
Term of patent 14 years
(Cl. D52—2)



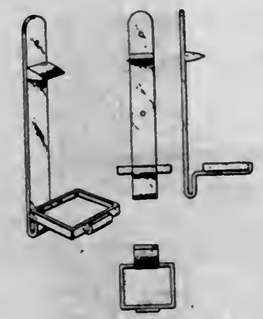
The ornamental design for an automobile servicing unit, as shown and described.

153,757
DESIGN FOR A LIQUID WAX APPLICATOR
Emile Bélanger and Gérard Mercier, Ahuntsic, Montreal, Quebec, Canada
Application June 16, 1947, Serial No. 139,720
Term of patent 3½ years
(Cl. D9—2)



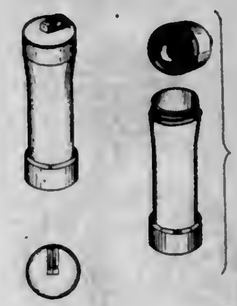
The ornamental design for a liquid wax applicator, as shown and described.

153,758
DESIGN FOR A COMBINED HAIRPIN HOLDER AND OPENING FIXTURE
John A. Bennett, Tulsa, Okla.
Application September 29, 1947, Serial No. 141,653
Term of patent 14 years
(Cl. D86—10)



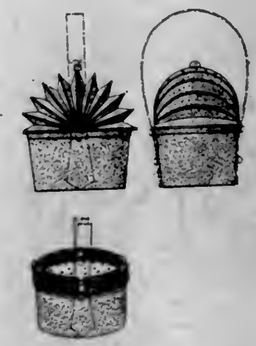
The ornamental design for a combined hairpin holder and opening fixture, as shown.

153,759
DESIGN FOR AN ATOMIZER
Armand Blatt, New York, N. Y.
Application February 25, 1948, Serial No. 144,721
Term of patent 7 years
(Cl. D82—1)



The ornamental design for an atomizer, substantially as shown.

153,760
DESIGN FOR A HANDBAG
Eli Bogan, New York, N. Y.
Application July 24, 1948, Serial No. 147,745
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a handbag, as shown and described.

153,761
DESIGN FOR A DOLL HEAD
Calvin Harris Boughman, New York, N. Y.
Application January 3, 1948, Serial No. 143,531
Term of patent 3½ years
(Cl. D34—4)



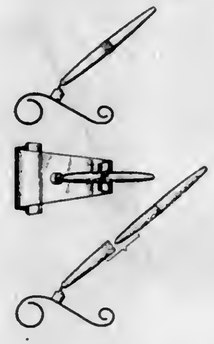
The ornamental design for a doll head, as shown.

153,762
DESIGN FOR A NURSERY LAMP
Edward Brenner, Hollywood, Calif.
Application June 25, 1947, Serial No. 139,899
Term of patent 7 years
(Cl. D48—20)



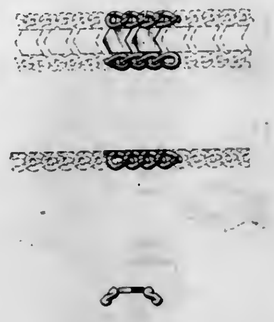
The ornamental design for a nursery lamp, as shown.

153,763
DESIGN FOR A DESK WRITING UNIT
Laurie J. Campbell, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application August 12, 1947, Serial No. 140,835
Term of patent 3½ years
(Cl. D74—1)



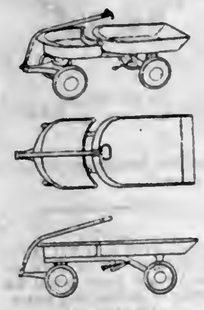
The ornamental design for a desk writing unit, as shown.

153,764
DESIGN FOR A CHAIN FOR A BRACELET OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application February 11, 1948, Serial No. 144,414
Term of patent 14 years
(Cl. D45—4)



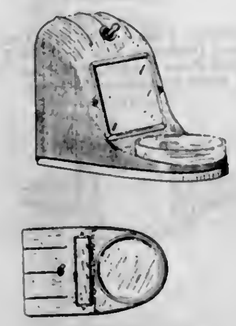
The ornamental design for a chain for a bracelet or similar article, substantially as shown and described.

153,765
DESIGN FOR A CHILD'S WAGON WITH DUMP BODY
Andrew J. Chroninger, Jackson, Mich.
Application June 26, 1947, Serial No. 139,937
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a child's wagon with dump body, substantially as shown.

153,766
DESIGN FOR A COMBINED SIGNAL LIGHT AND ASH RECEIVER
Arthur C. Conner, Salt Lake City, Utah
Application October 13, 1947, Serial No. 141,882
Term of patent 3½ years
(Cl. D72—1)



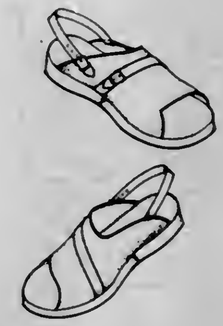
The ornamental design for a combined signal light and ash receiver, as shown.

153,767
DESIGN FOR A COMBINED PERFUME BOTTLE AND CONTAINER
René Denis, Paris, France, assignor to Societe a Responsabilite Limitee: Franco Continentale des Parfums, Paris, France, a corporation of France
Application October 6, 1947, Serial No. 141,765
In France June 27, 1947
Term of patent 3½ years
(Cl. D58—9)



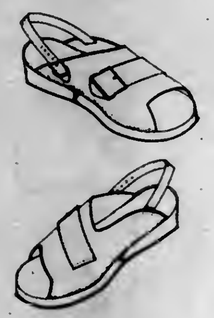
The design for a combined perfume bottle and container, as shown.

153,768
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Herman Diamant, New York, N. Y.
Application January 8, 1949, Serial No. 146
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a shoe or similar article, substantially as shown.

153,769
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Herman Diamant, New York, N. Y.
Application January 8, 1949, Serial No. 147
Term of patent 3½ years
(Cl. D7—7)



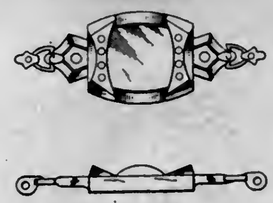
The ornamental design for a shoe or similar article, substantially as shown.

153,770
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Herman Diamant, New York, N. Y.
Application January 8, 1949, Serial No. 148
Term of patent 3½ years
(Cl. D7—7)



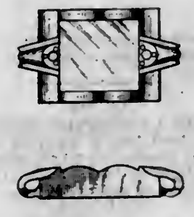
The ornamental design for a shoe or similar article, substantially as shown.

153,771
DESIGN FOR A WATCHCASE
Harry Dinhofer, New York, N. Y.
Application June 4, 1948, Serial No. 146,756
Term of patent 3½ years
(Cl. D42—8)



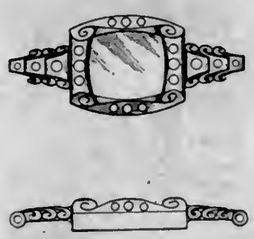
The ornamental design for a watchcase, substantially as shown.

153,772
DESIGN FOR A WATCHCASE
Harry Dinhofer, New York, N. Y.
Application June 4, 1948, Serial No. 146,757
Term of patent 3½ years
(Cl. D42—8)



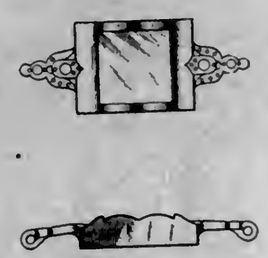
The ornamental design for a watchcase, substantially as shown.

153,773
DESIGN FOR A WATCHCASE
Harry Dinhofer, New York, N. Y.
Application June 4, 1948, Serial No. 146,759
Term of patent 3½ years
(Cl. D42—8)



The ornamental design for a watchcase, substantially as shown.

153,774
DESIGN FOR A WATCHCASE
Harry Dinhofer, New York, N. Y.
Application June 4, 1948, Serial No. 146,760
Term of patent 3½ years
(Cl. D42—8)



The ornamental design for a watchcase, substantially as shown.

153,775
DESIGN FOR A PIG BANK
Samuel Dubiner, Toronto, Ontario, Canada
Application December 11, 1947, Serial No. 143,102
Term of patent 14 years
(Cl. D34—11)



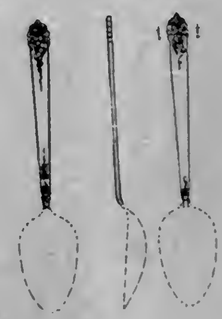
The ornamental design for a pig bank, as shown.

153,776
DESIGN FOR A SALVAGE HOOK
Harry J. Zimmerman, New Haven, Conn.
Application May 11, 1948, Serial No. 146,261
Term of patent 14 years
(Cl. D54—13)



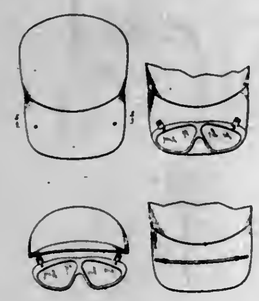
The ornamental design for a salvage hook, substantially as shown.

153,777
DESIGN FOR A SPOON OR SIMILAR ARTICLE OF FLATWARE
Arthur A. Eisenberg, New York, N. Y., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application December 7, 1948, Serial No. 150,025
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or similar article of flatware, as shown and described.

153,778
DESIGN FOR A COMBINATION CAP AND EYE SHIELD
Samuel Feldman, Brooklyn, N. Y.
Application November 20, 1947, Serial No. 142,684
Term of patent 14 years
(Cl. D57—1)



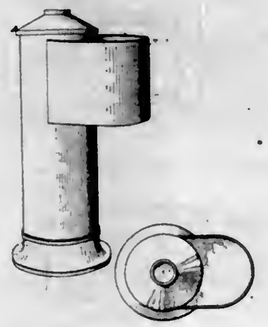
The ornamental design for a combination cap and eye shield, substantially as shown and described.

153,779
DESIGN FOR A HANDBAG FRAME
Angelo J. Fieres, Hollis, Long Island, N. Y.
Application March 20, 1948, Serial No. 145,256
Term of patent 7 years
(Cl. D87—1)



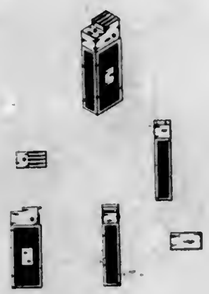
The ornamental design for a handbag frame, substantially as shown.

153,780
DESIGN FOR A STEAM CLEANER FOR AUTOMOBILES OR THE LIKE
Albert C. Fletcher, Oklahoma City, Okla.
Application July 29, 1946, Serial No. 132,092
Term of patent 14 years
(Cl. D49—1)



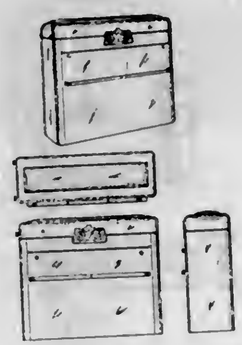
The ornamental design for a steam cleaner for automobiles or the like, substantially as shown and described.

153,781
DESIGN FOR A CIGARETTE LIGHTER
Irving Florman, New York, N. Y.
Application September 15, 1947, Serial No. 141,392
Term of patent 14 years
(Cl. D48—27)



The ornamental design for a cigarette lighter, substantially as shown.

153,782
DESIGN FOR A CABINET FOR LUBRICATING EQUIPMENT
Alexander P. Fox, University City, and August D. Reisert, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application March 5, 1948, Serial No. 144,914
Term of patent 3½ years
(Cl. D52—2)



The ornamental design for a cabinet for lubricating equipment, substantially as shown and described.

153,783
DESIGN FOR A SCOOP SPOON
Clifford D. George, Florence, S. C.
Application January 14, 1947, Serial No. 136,135
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a scoop spoon, as shown.

153,784
DESIGN FOR A DISPLAY SIGN
Gilbert C. Gettelman, Hartford, Wis., assignor, by mesne assignments, to Hamilton Watch Company, Lancaster, Pa., a corporation of Pennsylvania
Application August 12, 1947, Serial No. 140,827
Term of patent 3½ years
(Cl. D1—12)



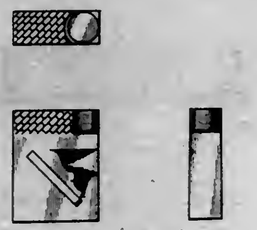
The ornamental design for a display sign, as shown and described.

153,785
DESIGN FOR A NEGLIGEE
Violet Giovagnoni, New York, N. Y.
Substituted for design application 134,913, November 20, 1946. This application June 14, 1948, Serial No. 146,952
Term of patent 7 years
(Cl. D3—26)



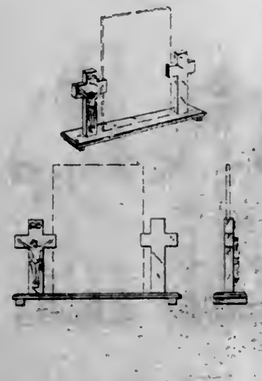
The ornamental design for a negligee, substantially as shown.

153,786
DESIGN FOR A FLASK
Clay A. Gladstone, Los Angeles, Calif.
Application October 31, 1947, Serial No. 142,245
Term of patent 3½ years
(Cl. D58—6)



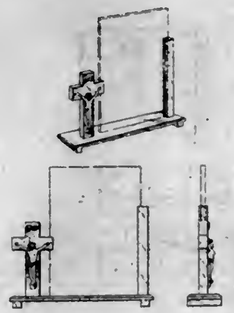
The ornamental design for a flask, as shown and described.

153,787
DESIGN FOR A PICTURE FRAME OR THE LIKE
Marvin Y. Goldberg, Brooklyn, N. Y. assignor to Alphabest Products Corporation, New York, N. Y., a corporation of New York
Application January 29, 1947, Serial No. 136,486
Term of patent 3½ years
(Cl. D29—20)



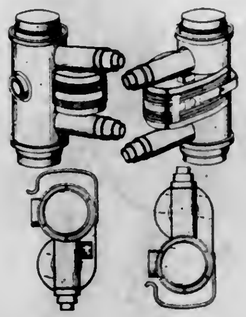
The ornamental design for a picture frame or the like, as shown and described.

153,788
DESIGN FOR A PICTURE FRAME OR THE LIKE
Marvin Y. Goldberg, Brooklyn, N. Y., assignor to Alphabest Products Corporation, New York, N. Y., a corporation of New York
Application January 29, 1947, Serial No. 136,487
Term of patent 3½ years
(Cl. D29—20)



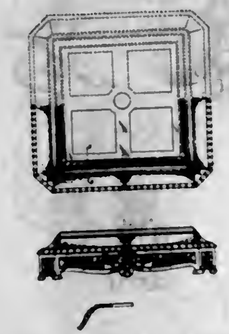
The ornamental design for a picture frame or the like, as shown and described.

153,789
DESIGN FOR A HOUSING FOR X-RAY TUBE AND BLOWER
Edwin R. Goldfield and Ralph C. Schiring, University Heights, Ohio, assignors to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 25, 1948, Serial No. 146,595
Term of patent 14 years
(Cl. D26—5)



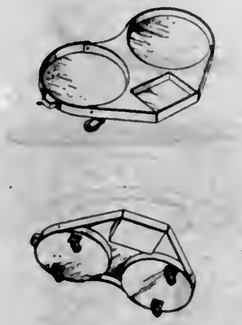
The ornamental design for a housing for X-ray tube and blower, as shown.

153,790
DESIGN FOR A FLOOR LAMP BASE
Irving I. Gotliffe, New York, N. Y., assignor to Remsen Lamp Manufacturing Co., Brooklyn, N. Y., a partnership composed of Joseph Zweig and Benjamin Zweig
Application November 10, 1947, Serial No. 142,446
Term of patent 3½ years
(Cl. D48—20)



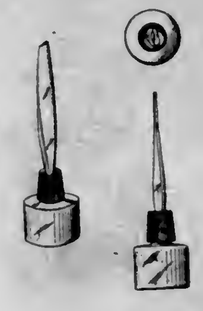
The ornamental design for a floor lamp base, as shown and described.

153,791
DESIGN FOR A SCRUB BUCKET DOLLY
Frank H. Gruettner, Buffalo, N. Y.
Application October 1, 1947, Serial No. 141,701
Term of patent 14 years
(Cl. D49—1)



The ornamental design for a scrub bucket dolly, as shown.

153,792
DESIGN FOR A BOTTLE
Ralph G. Gulley, New York, N. Y., assignor to Revlon Products Corporation, New York, N. Y., a corporation of New York
Application June 11, 1947, Serial No. 139,595
Term of patent 7 years
(Cl. D58—8)



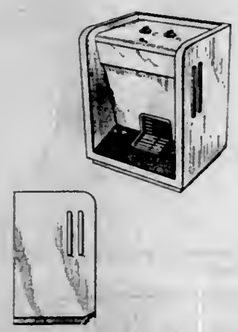
The ornamental design for a bottle, substantially as shown.

153,793
DESIGN FOR A COMBINATION CONTAINER FOR COSMETICS AND CLOSURE THEREFOR
Frank P. Hageman, Vincent I. Mora, and Herbert C. Richardson, Minneapolis, Minn., assignors to Duncan Storm Ltd., Inc., Minneapolis, Minn., a corporation of Delaware
Application November 2, 1946, Serial No. 134,483
Term of patent 3½ years
(Cl. D58—8)

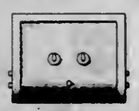


The ornamental design for a combination container for cosmetics and closure therefor, substantially as shown.

153,794
DESIGN FOR A THERAPEUTIC CABINET
George H. Hansen, Mission, Kans., Gerhard J. Schroer, Kansas City, Mo., and Conrad J. Curtis, Overland Park, Kans., assignors to C. Earl Hovey, Kansas City, Mo., trustee
Application March 1, 1948, Serial No. 144,844
Term of patent 14 years
(Cl. D83—1)







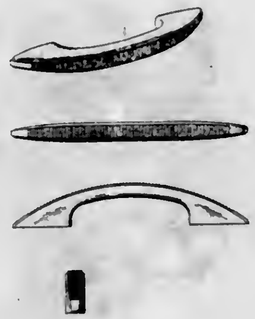
The ornamental design for a therapeutic cabinet, as shown.

153,795
DESIGN FOR A CHARM OR SIMILAR ARTICLE
King Arthur Harrington, San Francisco, Calif.
Application May 17, 1948, Serial No. 146,469
Term of patent 3½ years
(Cl. D45—17)



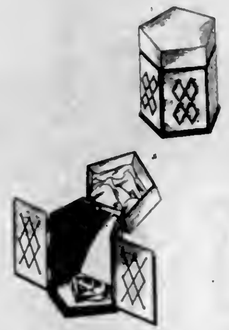
The ornamental design for a charm or similar article, as shown.

153,796
DESIGN FOR A STOVE HANDLE
Robert F. Hefferan, Grand Rapids, Mich., assignor to Winters & Crampton Corporation, Grand Rapids, Mich., a corporation of Michigan
Application September 14, 1946, Serial No. 133,368
Term of patent 7 years
(Cl. D81—25)



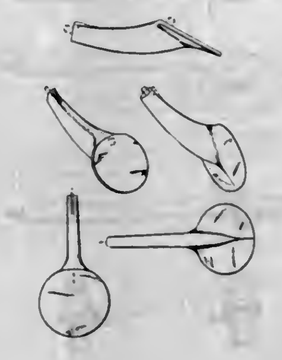
The ornamental design for a stove handle, as shown and described.

153,797
DESIGN FOR A DISPLAY BOX
Jacques Heim, Paris, France
Application February 26, 1947, Serial No. 137,188
Term of patent 3½ years
(Cl. D80—5)



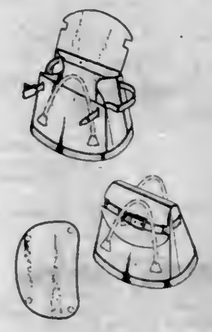
The ornamental design for a display box, substantially as shown and described.

153,798
DESIGN FOR A FISHING LINE SINKER OR THE LIKE
Clair L. Hinkson, Seattle, Wash., assignor to Hinkson Mfg. Co., Seattle, Wash., a partnership
Application October 10, 1947, Serial No. 141,843
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a fishing line sinker or the like, as shown.

153,799
DESIGN FOR A BAG OR LIKE RECEPTACLE
Alex Hochner, New York, N. Y.
Application April 24, 1948, Serial No. 145,939
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a bag or like receptacle, substantially as shown and described.

153,800
DESIGN FOR AN EAR CLIP FINDING
Karl F. Hoeckele, Newark, N. J., assignor to Eastern Jewelry Finding Works, Inc., a corporation of New Jersey
Application February 18, 1948, Serial No. 144,567
Term of patent 14 years
(Cl. D45—9)



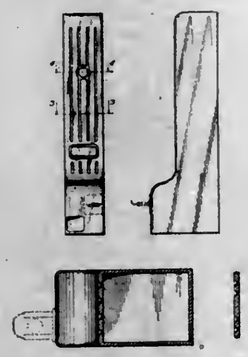
The ornamental design for an ear clip finding, substantially as shown.

153,801
DESIGN FOR A GLOW LAMP
Aaron H. Hoffedits, Sacramento, Calif.
Application August 28, 1948, Serial No. 148,301
Term of patent 3½ years
(Cl. D48—20)



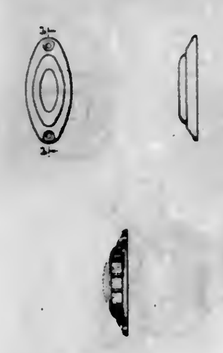
The ornamental design for a glow lamp, as shown.

153,802
DESIGN FOR A VENDING MACHINE HOUSING
Clarence A. Hokinson, Chicago, Ill.
Application December 18, 1947, Serial No. 143,206
Term of patent 3½ years
(Cl. D52—3)



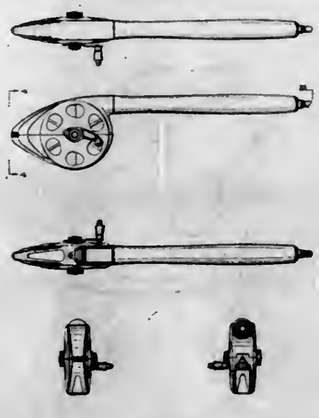
The ornamental design for a vending machine housing, as shown and described.

153,803
DESIGN FOR AN ELECTRICAL PUSH-BUTTON COVER PLATE
William Huppert, New York, N. Y.
Application October 30, 1946, Serial No. 134,391
Term of patent 14 years
(Cl. D26—13)



The ornamental design for an electrical push-button cover plate, substantially as shown and described.

153,804
DESIGN FOR A COMBINED FISHING REEL AND ROD SEAT
Edwin P. Hurd, Detroit, Mich., assignor to Hurd Lock and Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 11, 1947, Serial No. 141,873
Term of patent 14 years
(Cl. D31—4)



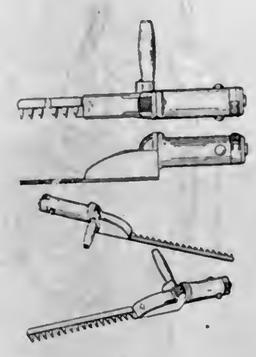
The ornamental design for a combined fishing reel and rod seat, as shown and described.

153,805
DESIGN FOR A PORTABLE SIGNAL LIGHT FOR MOTOR VEHICLE OR SIMILAR ARTICLE
Frederick K. Hussey, New York, N. Y.
Application May 18, 1948, Serial No. 146,433
Term of patent 14 years
(Cl. D72—1)



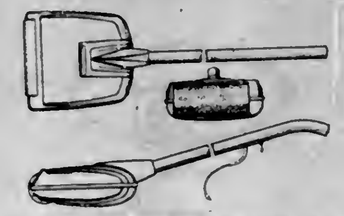
The ornamental design for a portable signal light for motor vehicle, or similar article, substantially as shown and described.

153,806
DESIGN FOR A HEDGE TRIMMER
Ivar Jepson, Oak Park, Ill., assignor to Sunbeam Corporation, Chicago, Ill., a corporation of Illinois
Application February 16, 1948, Serial No. 144,522
Term of patent 14 years
(Cl. D22—4)



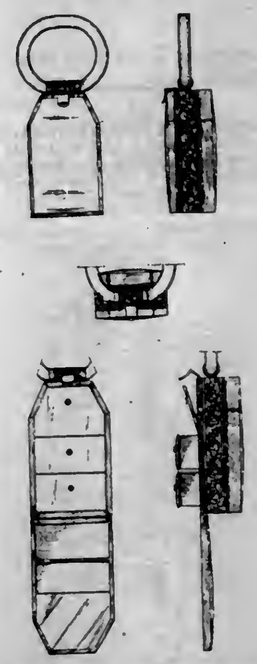
The ornamental design for a hedge trimmer, substantially as shown.

153,807
DESIGN FOR A POLISHER
Clarence Karstadt, Glen Ellyn, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application June 1, 1948, Serial No. 146,707
Term of patent 14 years
(Cl. D9—2)



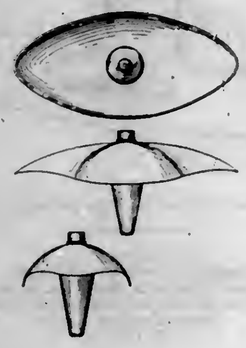
The ornamental design for a polisher, as shown.

153,808
DESIGN FOR A HANDBAG
Louis Kaufman, New York, N. Y.
Application August 14, 1948, Serial No. 148,117
Term of patent 7 years
(Cl. D87—3)



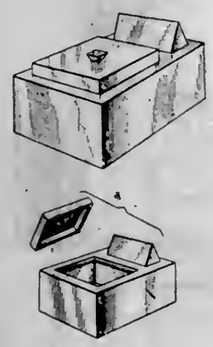
The ornamental design for a handbag, substantially as shown and described.

153,809
DESIGN FOR A LIGHTING FIXTURE
Edward B. Kirk, New York, N. Y., assignor to Donald Deskey Associates, New York, N. Y., a partnership
Application February 21, 1948, Serial No. 144,652
Term of patent 14 years
(Cl. D48—23)



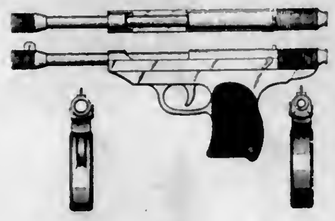
The ornamental design for a lighting fixture, as shown.

153,810
DESIGN FOR A COMBINED HAIRPIN RECEPTACLE AND OPENER
John Joseph Koslap, Garfield, N. J.
Application April 9, 1947, Serial No. 138,263
Term of patent 7 years
(Cl. D86—10)



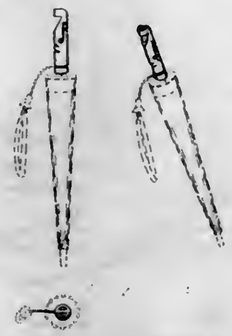
The ornamental design for a combined hairpin receptacle and opener, as shown.

153,811
DESIGN FOR A TOY PISTOL
Peter Lim, Los Angeles, Calif., assignor of one-half to Young H. Kim, Los Angeles, Calif.
Application May 19, 1947, Serial No. 139,136
Term of patent 3½ years
(Cl. D34—15)



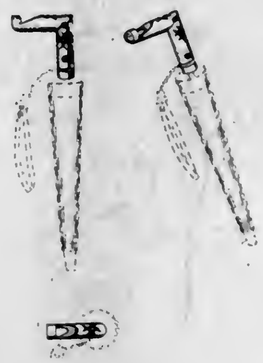
The ornamental design for a toy pistol, as shown and described.

153,812
DESIGN FOR AN UMBRELLA
Isidor Lusterman, New York, N. Y.
Application March 4, 1947, Serial No. 137,308
Term of patent 7 years
(Cl. D88—3)



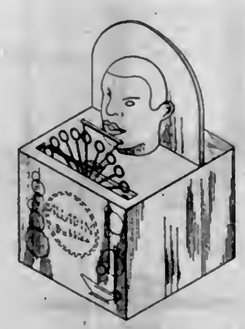
The ornamental design for an umbrella, substantially as shown and described.

153,813
DESIGN FOR AN UMBRELLA
Isidor Lusterman, New York, N. Y.
Application March 4, 1947, Serial No. 137,309
Term of patent 7 years
(Cl. D88—3)



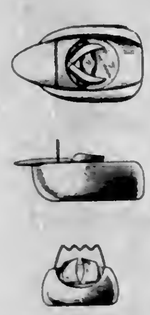
The ornamental design for an umbrella, substantially as shown and described.

153,814
DESIGN FOR A BUBBLE BLOWING DISPLAY DEVICE
Harry Margolis, Brooklyn, N. Y.
Application February 11, 1948, Serial No. 144,416
Term of patent 7 years
(Cl. D1—2)



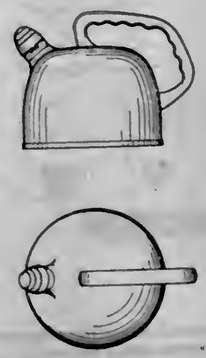
The ornamental design for a bubble blowing display device, substantially as shown and described.

153,815
DESIGN FOR A FINGER SUPPORT FOR MANICURING OPERATIONS
Raymond J. McKee, Brooklyn, N. Y.
Application November 6, 1946, Serial No. 134,557
Term of patent 3½ years
(Cl. D86—10)

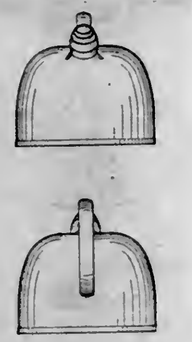


The ornamental design for a finger support for manicuring operations, as shown.

153,816
DESIGN FOR A TEAKETTLE
Albert D. Mortrude, Detroit, Mich., assignor to Kromex Corporation, Cleveland, Ohio, a corporation of Ohio
Application June 12, 1947, Serial No. 139,612
Term of patent 14 years
(Cl. D44—25)

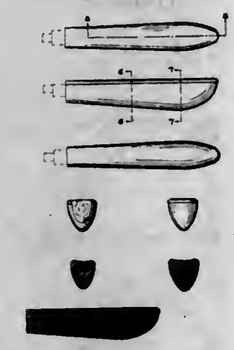


153,816—Continued



The ornamental design for a teakettle, substantially as shown.

153,817
DESIGN FOR A HANDLE FOR COOKING UTENSILS
Albert D. Mortrude, Detroit, Mich., assignor to Kromex Corporation, Cleveland, Ohio, a corporation of Ohio
Application June 12, 1947, Serial No. 139,618
Term of patent 14 years
(Cl. D44—29)



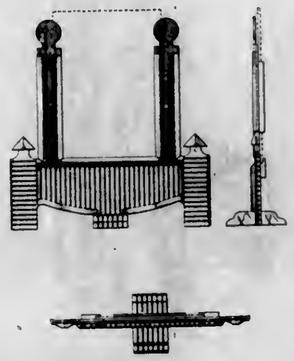
The ornamental design for a handle for cooking utensils, substantially as shown.

153,818
DESIGN FOR A CRUTCH
Charles B. Neptune, Los Angeles, Calif.
Application June 14, 1946, Serial No. 130,725
Term of patent 14 years
(Cl. D83—1)



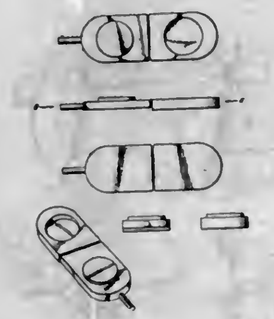
The ornamental design for a crutch, substantially as shown.

153,819
DESIGN FOR A PICTURE FRAME
Edward Olszewski, Detroit, Mich.
Application March 11, 1948, Serial No. 145,021
Term of patent 14 years
(Cl. D28—20)



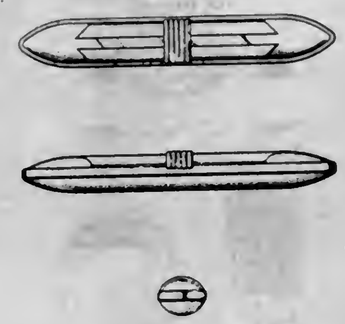
The ornamental design for a picture frame, as shown and described.

153,820
DESIGN FOR A MOLD FOR FOOD PATTIES
John H. Osgood and Wallace A. Goodwin, Sierra Madre, Calif.
Application April 9, 1946, Serial No. 129,707
Term of patent 14 years
(Cl. D44—1)



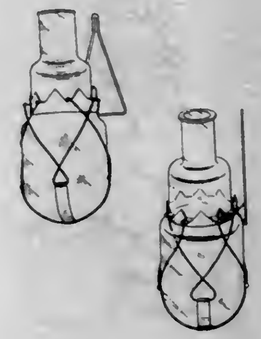
The ornamental design for a mold for food patties, as shown.

153,821
DESIGN FOR A DIRECTIONAL SIGNAL FOR MOTOR VEHICLES OR THE LIKE
Svend Pedersen and Fred W. Neumeyer, Chicago, and Leo P. Helmey, Clarendon Hills, Ill.
Application January 24, 1947, Serial No. 136,366
Term of patent 3½ years
(Cl. D72—1)



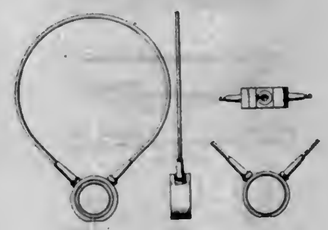
The ornamental design for a directional signal for motor vehicles or the like, substantially as shown.

153,822
DESIGN FOR A COMBINED VINE HOLDER AND WALL BRACKET THEREFOR
Howard J. Pruehnow, Summit, N. J.
Application October 30, 1947, Serial No. 142,232
Term of patent 14 years
(Cl. D35—3)



The ornamental design for a combined vine holder and wall bracket therefor, as shown.

153,823
DESIGN FOR A FLEXIBLE CABLE LOCK
Edward G. Reese, Landisville, and Gerald B. Fenstermaker, Lancaster, Pa., assignors to Reese Padlock Company, Lancaster, Pa., a copartnership
Application December 8, 1947, Serial No. 143,048
Term of patent 14 years
(Cl. D50—7)



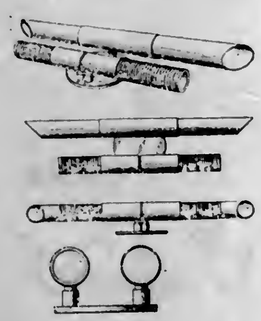
The ornamental design for a flexible cable lock, substantially as shown and described.

153,824
DESIGN FOR AN ASH TRAY
Louis A. Revell, Los Angeles, Calif.
Application July 31, 1948, Serial No. 147,859
Term of patent 14 years
(Cl. D85—2)



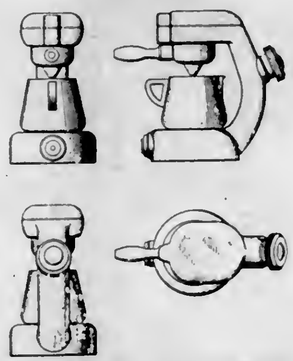
The ornamental design for an ash tray, substantially as shown.

153,825
DESIGN FOR A TELEVISION ANTENNA
Rudolph Riderman, Chicago, Ill., assignor to Precision Plastic Products, Inc., Chicago, Ill., a corporation of Illinois
Application October 11, 1948, Serial No. 149,071
Term of patent 3½ years
(Cl. D26—14)



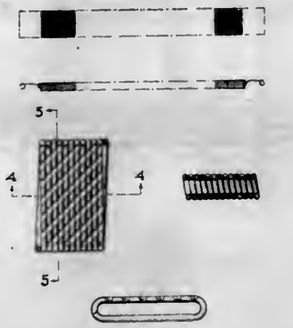
The ornamental design for a television antenna, substantially as shown.

153,826
DESIGN FOR A COFFEE MAKER OR SIMILAR ARTICLE
Giordano Robbiati, Milan, Italy, assignor to Oscar Colcaire, Detroit, Mich., and Arthur R. Wilson, Washington, D. C.
Application June 26, 1947, Serial No. 139,948
In Italy September 14, 1946
Term of patent 14 years
(Cl. D44—26)



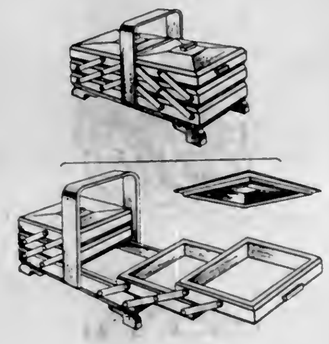
The ornamental design for a coffee maker or similar article, as shown.

153,827
DESIGN FOR AN EXTENSIBLE WATCH BRACELET
Charles Schaeffer, Cleveland, Ohio, assignor, by mesne assignments, to John Major, Chicago, Ill., and Hans J. Duester, Norwood Park Station, Chicago, Ill.
Application September 18, 1947, Serial No. 141,464
Term of patent 14 years
(Cl. D45—4)



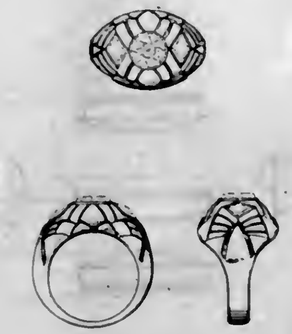
The ornamental design for an extensible watch bracelet, substantially as shown and described.

153,828
DESIGN FOR A FOLDING JEWEL CHEST
Charles C. Settle, Columbus, Ind.
Application October 13, 1947, Serial No. 141,886
Term of patent 3½ years
(Cl. D86—9)



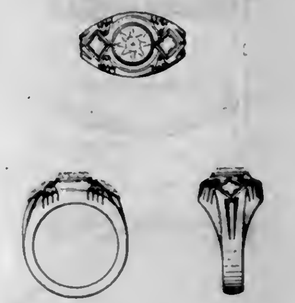
The ornamental design for a folding jewel chest, as shown.

153,829
DESIGN FOR A FINGER RING
Herbert J. A. Skipp, East Providence, R. I., assignor to James Perry Mfg. Co., Providence, R. I., a corporation of Rhode Island
Application October 1, 1948, Serial No. 148,930
Term of patent 7 years
(Cl. D45—10)



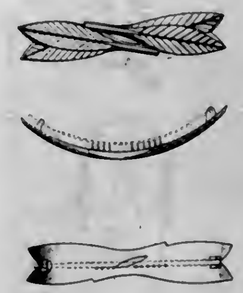
The ornamental design for a finger ring, substantially as shown.

153,830
DESIGN FOR A FINGER RING
Herbert J. A. Skipp, East Providence, R. I., assignor to James Perry Mfg. Co., Providence, R. I., a corporation of Rhode Island
Application October 1, 1948, Serial No. 148,931
Term of patent 7 years
(Cl. D45—10)



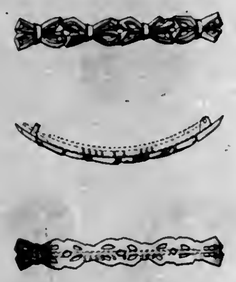
The ornamental design for a finger ring, substantially as shown.

153,831
DESIGN FOR A BARRETTE
Nathan L. Solomon, Englewood, N. J.
Application November 20, 1947, Serial No. 142,671
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a barrette, as shown.

153,832
DESIGN FOR A BARRETTE
Nathan L. Solomon, Englewood, N. J.
Application November 20, 1947, Serial No. 142,672
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a barrette, as shown.

153,833
DESIGN FOR A LAMP STAND
Eunice M. St. John, Los Angeles, Calif.
Application August 14, 1948, Serial No. 148,127
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a lamp stand, as shown.

153,834
DESIGN FOR A WALL PLAQUE
David D. Stockdale, Ravenna, Ohio
Application May 2, 1947, Serial No. 138,759
Term of patent 3½ years
(Cl. D29—23)



The ornamental design for a wall plaque, as shown.

153,835
DESIGN FOR A DRAWER PULL
Carl W. Sundberg and Montgomery Ferar, Detroit, Mich., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application September 19, 1947, Serial No. 141,480
Term of patent 14 years
(Cl. D10—8)



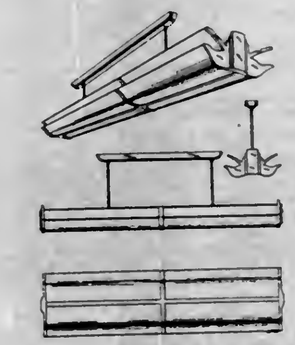
The ornamental design for a drawer pull, substantially as shown.

153,836
DESIGN FOR A BELT BUCKLE OR SIMILAR ARTICLE
George A. Thoresen, Providence, R. I., assignor to The Robbins Company, Attleboro, Mass., a corporation of Massachusetts
Application March 19, 1948, Serial No. 145,217
Term of patent 7 years
(Cl. D17—1)



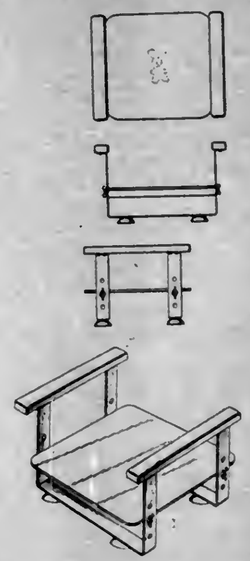
The ornamental design for a belt buckle or similar article, substantially as shown.

153,837
DESIGN FOR A LIGHTING FIXTURE
John S. Walsh, San Francisco, Calif.
Application July 26, 1948, Serial No. 147,780
Term of patent 14 years
(Cl. D48—23)



The ornamental design for a lighting fixture, substantially as shown.

153,838
DESIGN FOR A CHILD'S CHAIR
Emerson A. Ward, Detroit, Mich.
Application November 9, 1946, Serial No. 134,674
Term of patent 3½ years
(Cl. D15—8)



The ornamental design for a child's chair as shown.

153,839
DESIGN FOR A KEY CHAIN
Paul Stephen Zahora, Bloomington, Ind.
Application October 22, 1947, Serial No. 142,086
Term of patent 3½ years
(Cl. D17—14)



The ornamental design for a key chain, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A P Parts Corporation, The, Toledo, Ohio. Lubricant compositions. Serial No. 558,267, May 17. Class 15.

Abco Metal Products, Hawthorne, Calif. Metal coffee makers. Serial No. 542,261, May 17. Class 13.

Abraham & Straus, Inc., Brooklyn, N. Y. Men's suits, coats, and overcoats. Serial No. 543,858, May 17. Class 39.

Adams & Westlake Company, The, Chicago, Ill. Electric lighting fixtures. Serial No. 525,518, May 17. Class 21.

Adirondack Wholesale Groceries, Inc., Hudson Falls, N. Y. Evaporated milk, canned citrus fruit juices, peanut butter, etc. Serial No. 521,551, May 17. Class 46.

Adler Company, The, Cincinnati, Ohio. Knitted socks. Serial No. 525,757, May 17. Class 39.

Aero Service Corporation, Philadelphia, Pa. Correcting projectors, orthographs, tracing projectors, etc. Serial No. 553,047, May 17. Class 26.

Aetna Packing Company, Baltimore, Md. Pickles, pickle relishes, olives, etc. Serial No. 514,159, May 17. Class 46.

Ahrens Publishing Company, Inc., New York, N. Y. Newspaper published weekly. Serial No. 551,423, May 17. Class 38.

Ahrens Publishing Company, Inc., New York, N. Y. Periodical. Serial No. 551,424, May 17. Class 38.

Ahrens Publishing Company, Inc., New York, N. Y. Pictorial magazine. Serial No. 551,426, May 17. Class 38.

Aladdin Manufacturing Company, Inc., Kansas City, Mo. Wood shaping arbors. Serial No. 545,212, May 17. Class 23.

Amalgamated Sugar Company, The, Ogden, Utah. Icing sugar and granulated sugar. Serial No. 511,194, May 17. Class 46.

Amend, Fred W., Co., Chicago, Ill. Candy. Serial No. 543,769, May 17. Class 46.

American Brake Shoe Company, New York, N. Y. Frictional elements for brakes and clutches, etc. Serial No. 547,215, May 17. Class 35.

American Lumber Products, Louisville, Ky. Air dried red aromatic cedar lumber. Serial No. 541,907, May 17. Class 12.

American Press, The, New York, N. Y. Publication. Serial No. 559,668, May 17. Class 38.

American Steel Foundries, Chicago, Ill. Railway draft rigging, draft gears, and parts thereof. Serial No. 547,813, May 17. Class 19.

American Steel Foundries, Chicago, Ill. Railway car trucks and parts thereof. Serial No. 547,814, May 17. Class 19.

American Welding and Manufacturing Company, The, Warren, Ohio. Brake slack adjuster for railway cars. Serial No. 547,221, May 17. Class 19.

Amplifier Corp. of America, New York, N. Y. Magnetic tape. Serial No. 538,845, May 17. Class 21.

Anderson Die Casting & Engineering Corporation, Los Angeles, Calif. Tilting devices for Venetian blinds. Serial No. 541,994, May 17. Class 13.

Anderson-Stola Pharmaceuticals, Inc., Kansas City, Mo. Electrical charge detecting instruments. Serial No. 554,354, May 17. Class 26.

Annin & Co., New York, N. Y. Bunting comprised of nylon and wool. Serial No. 567,747, May 17. Class 42.

Apple Growers Association, Hood River, Oreg. Canned fruits, cider vinegar, fresh deciduous fruits. Serial No. 538,589, May 17. Class 46.

Armco Steel Corporation, Middletown, Ohio. Stainless steel and chromium steel sheets. Serial No. 563,232, May 17. Class 14.

Armstrong, D., & Company, Inc., Rochester, N. Y. Shoes. Serial No. 519,373, May 17. Class 39.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Serial No. 546,456, May 17. Class 19.

Artistic Foundations, Inc., New York, N. Y. Girdles, corsets, and brassières, etc. Serial No. 547,223, May 17. Class 39.

Astor-Ramel Mfg. Co., Inc., New York, N. Y. Dresser sets. Serial No. 564,705, May 17. Class 40.

Astor-Ramel Mfg. Co., Inc., New York, N. Y. Dresser sets. Serial No. 565,034, May 17. Class 40.

Atkinson, J. & E., Limited, London, W. 1, England. Eau de cologne and lavender water. Serial No. 557,719, May 17. Class 6.

Atkinson, J. & E., Limited, London, W. 1, England. Lavender water. Serial No. 557,720, May 17. Class 6.

Atkinson, J. & E., Limited, London, W. 1, England. Eau de cologne. Serial No. 557,721, May 17. Class 6.

Atlas Powder Company, Wilmington, Del. Powder, dynamite, and blasting caps. Serial No. 562,302, May 17. Class 9.

Atlas Supply Company, Newark, N. J. Shock absorbers. Serial No. 559,966, May 17. Class 19.

Avon Products, Inc., New York, N. Y. Perfumes. Serial No. 508,206, May 17. Class 6.

Barker, Moore & Mein Company, Philadelphia, Pa. Compound for treating diseases of poultry. Serial No. 515,290, May 17. Class 6.

Bates Shoe Company, Webster, Mass. Men's shoes. Serial No. 544,841, May 17. Class 39.

Bayuk Cigars Incorporated, Philadelphia, Pa. Cigars. Serial No. 542,271, May 17. Class 11.

Beh and Company, Incorporated, New York, N. Y. Rubber toilet trays. Serial No. 548,470, May 17. Class 2.

Bendix Aviation Corporation, Detroit, Mich. Radio transmitters and receivers, radio tubes and television receivers. Serial No. 549,874, May 17. Class 21.

Bennett Design and Engineering Co., Washington, D. C. Ash trays. Serial No. 547,963, May 17. Class 8.

Bergman, Manuel, doing business as C S Brass Manufacturing Co., New York, N. Y. Brass pipe fittings. Serial No. 513,095, May 17. Class 13.

Big Drip: *See*—
Rinnman, Harry.

Bill Brothers Publishing Corporation, New York, N. Y. Trade magazines and publications. Serial No. 539,266, May 17. Class 38.

Bilsh Milling Company, Seymour, Ind. Wheat flour. Serial No. 544,317, May 17. Class 46.

Bliss Brothers Company, Attleboro, Mass. Compacts, cigarette cases, lipsticks. Serial No. 541,490, May 17. Class 28.

Blue Diamond Safe Co., Wichita, Kans. Floor and wall safes. Serial No. 543,080, May 17. Class 23.

Bocher, Main R., doing business as Mainbocher, New York, N. Y. Perfumes and toilet waters. Serial No. 539,639, May 17. Class 6.

Boott Mills, Lowell, Mass. Motor robes, couch throws, and upholstery cloth. Serial No. 543,361, May 17. Class 42.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. Serial No. 558,452, May 17. Class 39.

Breck, John H., Inc., Springfield, Mass. Preparation for the treatment of the hair. Serial No. 549,343, May 17. Class 6.

Brickseal Refractory Co., Hoboken, N. J. Refractory coating. Serial No. 541,504, May 17. Class 12.

Brinly-Hardy Company, Louisville, Ky. Plows and parts thereof. Serial No. 561,391, May 17. Class 23.

Brinly-Hardy Company, Louisville, Ky. Middle-breaker plows and parts thereof. Serial No. 561,392, May 17. Class 23.

Brinly-Hardy Company, Louisville, Ky. Plows and parts thereof. Serial No. 561,393, May 17. Class 23.

Brinly-Hardy Company, Louisville, Ky. Plows and parts thereof. Serial No. 561,395, May 17. Class 23.

Brinly-Hardy Company, Louisville, Ky. Cultivators. Serial No. 561,396, May 17. Class 23.

Brown & Bigelow, St. Paul, Minn. Wall calendars. Serial No. 549,332, May 17. Class 38.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables and billiard cues. Serial No. 546,855, May 17. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Sandpaper. Serial No. 564,985, May 17. Class 4.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Leather cleaner and leather dressing. Serial No. 565,472, May 17. Class 4.

Bunny Products: *See*—
Dimit, Dwan G.

Burroughs Adding Machine Company, Detroit, Mich. Office furniture. Serial No. 522,952, May 17. Class 32.

Bury Quilting Manufacturing Company Limited, The, Manchester, England. Cotton piece goods. Serial No. 563,554, May 17. Class 42.

Bycolite Fertiliser Manufacturing Company, Clinton, S. C. Fertilizer and more especially a fertiliser containing an insecticide. Serial No. 562,976, May 17. Class 10.

C S Brass Manufacturing Co.: *See*—
Bergman, Manuel.

Callaway Mills Company, La Grange, Ga. Bath mats, toilet lid covers, bathroom rugs of cotton, towels and wash cloths. Serial No. 567,904, May 17. Class 42.

Campbell, A. S., Co., Inc., doing business as Cello Products Company, Boston, Mass. Automobile parts and equipment. Serial No. 555,154, May 17. Class 19.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Bituminous plastic patching compositions. Serial No. 556,279, May 17. Class 12.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Asbestos cement shingles. Serial No. 556,483, May 17. Class 12.

Cargair, Inc., Los Angeles, Calif. Tie-down equipment. Serial No. 564,390, May 17. Class 13.

Carpenter, Doyle G., doing business as Triple AAA Company, Oklahoma City, Okla. Maltless soft drinks and syrups. Serial No. 531,647, May 17. Class 46.

Case Clothes, Inc., New York, N. Y. Men's and women's suits and coats. Serial No. 542,532, May 17. Class 39.

Cello Products Company: *See*—
Campbell, A. S., Co., Inc.

Charleton Decorating Company, New York, N. Y. Glassware. Serial No. 543,781, May 17. Class 33.
Charleton Decorating Company, New York, N. Y. Chinaware. Serial No. 543,782, May 17. Class 30.
Chatham Manufacturing Company, Elkin, N. C. Blankets. Serial No. 507,957, May 17. Class 42.
Chems: *See*—
Mumford, Kenneth O.
Chesterman-Leeland Co., Philadelphia, Pa. Bust forms. Serial No. 564,986, May 17. Class 40.
Chickasha Milling Company, Chickasha, Okla. Wheat flour. Serial No. 533,996, May 17. Class 46.
Childs, Elisabeth M., doing business as Childsco Products Co., Macon, Ga. Hand soap and all-purpose cleaning preparation. Serial No. 562,323, May 17. Class 4.
Childsco Products Co.: *See*—
Childs, Elisabeth M.
Chippewa Springs Corporation, Minneapolis, Minn. Natural spring-water. Serial No. 535,810, May 17. Class 45.
Chryson's, Ltd., Los Angeles, Calif. Skin lotions and skin creams. Serial No. 557,508, May 17. Class 6.
Clark Thread Company, The, Wilmington, Del., and Clarkdale, Ga. Rubberised thread. Serial No. 533,141, May 17. Class 43.
Clark Thread Company, The, Wilmington, Del., and Clarkdale, Ga. Rubberised thread. Serial No. 533,143, May 17. Class 43.
Clark, W. H., Fruit Company, Jacksonville, Fla. Fresh citrus fruits. Serial No. 534,603, May 17. Class 46.
Clark, W. H., Fruit Company, Jacksonville, Fla. Fresh citrus fruits. Serial No. 534,876, May 17. Class 46.
Cohen, B. & Co., Inc., New York, N. Y. Women's lounging robes. Serial No. 500,368, May 17. Class 39.
Colgate-Palmolive-Peet Company, Jersey City, N. J. After shave lotion and talc powder. Serial No. 551,609, May 17. Class 6.
Collier, R. T., Corporation, Los Angeles, Calif. Chemical products derived from petroleum. Serial No. 530,171, May 17. Class 6.
Columbia Protektosite Co. Inc., Carlstadt, N. J. Eyeglasses, ophthalmic lenses and eye-glass frames. Serial No. 564,769, May 17. Class 26.
Compo Shoe Machinery Corporation, Boston, Mass. Adhesive shoe cement. Serial No. 544,674, May 17. Class 5.
Compo Shoe Machinery Corporation, Boston, Mass. Chemical preparation. Serial No. 544,675, May 17. Class 6.
Concrete Engineers Company, Glendale, Calif. Concrete structures. Serial No. 526,686, May 17. Class 12.
Congoleum-Nairn, Inc., Kearny, N. J. Pigmented composition tiles. Serial No. 545,340, May 17. Class 12.
Continental Screw Company, New Bedford, Mass. Screws, bolts, nuts, etc. Serial No. 543,279, May 17. Class 13.
Cook, F. W., Company, Inc., Evansville, Ind. Beer. Serial No. 539,498, May 17. Class 48.
Crawford Manufacturing Co., Inc., Richmond, Va. Slip cover material, awning fabrics, and coated and uncoated canvas fabrics. Serial No. 548,238, May 17. Class 42.
Crawford Manufacturing Co., Inc., Richmond, Va. Automobile seat covers. Serial No. 548,240, May 17. Class 19.
Crawford Manufacturing Co., Inc., Richmond, Va. Automobile seat covers and automobile scuff pads. Serial No. 550,217, May 17. Class 19.
Custom House Packing Company, Monterey, Calif. Canned fish. Serial No. 537,664, May 17. Class 46.
Custom House Packing Company, Monterey, Calif. Canned fish. Serial No. 537,666, May 17. Class 46.
Cutting Specialties, Incorporated, Detroit, Mich. Circular metal cutting saws, circular wood cutting saws, wood cutting band resaws, etc. Serial No. 533,716, May 17. Class 23.
Dache, Lilly, Inc., New York, N. Y. Women's and misses' hats, gloves, collars, etc. Serial No. 552,956, May 17. Class 39.
Damon Creations, Inc., New York, N. Y. Four-in-hand neckties, bow ties, knitted ties, etc. Serial No. 542,448, May 17. Class 39.
Dan River Mills, Incorporated, Danville, Va. Rayon suiting fabrics. Serial No. 567,857, May 17. Class 42.
Dearborn Supply Company, Chicago, Ill. Face powder and rouge. Serial No. 532,430, May 17. Class 6.
Decatur Milling Company, Inc., Decatur, Ill. Corn products. Serial No. 521,801, May 17. Class 46.
Defiance Manufacturing Company: *See*—
Odell, Benjamin B.
Delaney Co., The, Houston, Tex. Structural steel elements. Serial No. 533,728, May 17. Class 12.
Denison Manufacturing Company, Framingham, Mass. Tissue paper. Serial No. 553,479, May 17. Class 37.
Desire Foundations, Ltd., New York, N. Y. Brassières, girdles, and foundation garments. Serial No. 559,218, May 17. Class 39.
Dick, A. B., Company, Chicago, Ill. Lettering and drafting guides and rulers. Serial No. 559,660, May 17. Class 28.
Dickerson Company, The: *See*—
Dickerson, E. S., Jr.
Dickerson, E. S., Jr., doing business as The Dickerson Company, Philadelphia, Pa. Oil, grease and moisture absorbent. Serial No. 567,190, May 17. Class 4.
Dimit, Dwan G., doing business as Bunny Products, Pasadena, Calif. Plumbers metal nipple trays. Serial No. 538,256, May 17. Class 13.
Dings Magnetic Separator Co., Milwaukee, Wis. Magnets, magnetic clutches, magnetic chucks, etc. Serial No. 545,621, May 17. Class 21.
Dings Magnetic Separator Co., Milwaukee, Wis. Magnets and magnetic pulleys. Serial No. 545,623, May 17. Class 21.
Dodge-Culp, Inc., Ridley Park, Pa. Playpens. Serial No. 552,126, May 17. Class 32.
Dohrmann Hotel Supply Co., San Francisco, Calif. Metal dish trucks and metal hand trucks. Serial No. 514,742, May 17. Class 19.
Dowd Chair Rental and Sales: *See*—
Dowd, Thomas J.
Dowd, Thomas J., doing business as Dowd Chair Rental and Sales, Buffalo, N. Y. Chairs, tables, etc. Serial No. 540,232, May 17. Class 32.
Duck, T. S., & Co.: *See*—
Duck, Thomas S.
Duck, Thomas S., doing business as T. S. Duck & Co., Ontario, Calif. Juvenile furniture. Serial No. 550,315, May 17. Class 32.
Duncan Coffee Company, Houston, Tex. Coffee. Serial No. 536,062, May 17. Class 46.
Edwal Laboratories, Inc., The, Chicago, Ill. Inert chemical to be added to photographic solutions. Serial No. 528,009, May 17. Class 6.
Englander, Frank F., New York, N. Y. Weekly newsletter. Serial No. 517,839, May 17. Class 38.
Enjay Construction Company, Chicago, Ill. Airplane hangars. Serial No. 517,465, May 17. Class 12.
Enterprise Manufacturing Company, The, Akron, Ohio. Spoons for artificial fishing bait. Serial No. 543,356, May 17. Class 22.
Enterprise Manufacturing Company, The, Akron, Ohio. Spoons for artificial fishing bait. Serial No. 543,358, May 17. Class 22.
Estep, William, Chicago, Ill. Exercising goggles. Serial No. 544,258, May 17. Class 26.
FR Corporation, The, New York, N. Y. Film wipers, film developing tanks, thermometers, etc. Serial Nos. 559,698–9, May 17. Class 26.
Fabrique D'Horlogerie Chs. Tissot & Fils Societe Anonyme, Le Locle, Switzerland. Watches, dials, clockworks, watchcases. Serial No. 564,442, May 17. Class 27.
Famous Funnies, Inc., Waterbury, Conn. Comic magazines. Serial No. 556,025, May 17. Class 38.
Feature Publications, Inc., New York, N. Y. Periodical publication. Serial No. 547,982, May 17. Class 38.
Feltus Printing Company, Inc., Bloomington, Ind. Periodical newspapers. Serial No. 559,838, May 17. Class 38.
Fischer, B., & Co., Inc., New York, N. Y. Coffee. Serial Nos. 536,885–6, May 17. Class 46.
Fischer, B., & Co., Inc., New York, N. Y. Coffee. Serial No. 536,886, May 17. Class 46.
Food Machinery and Chemical Corporation: *See*—
Westvaco Chemical Corporation.
Ford Motor Company, Dearborn, Mich. Antifreeze alcohol and other antifreeze liquids, etc. Serial No. 569,130, May 17. Class 6.
Ford Motor Company, Dearborn, Mich. Lubricating greases and lubricating compounds. Serial No. 569,139, May 17. Class 15.
Forrester-Dorman Company, Flushing, N. Y. Valves. Serial No. 541,927, May 17. Class 13.
Foster, Charles, New York, N. Y. Optical goods. Serial No. 555,746, May 17. Class 26.
Francois Laboratories, Inc., New York, N. Y. Cold wave permanent kit. Serial No. 497,928, May 17. Class 44.
Franklin Chemical Company, Inc., Franklin, Minn. Penetrating oils. Serial No. 557,840, May 17. Class 15.
Fremont Mills, The: *See*—
Nebraska Consolidated Mills Company.
Frito Company, The, Dallas, Tex. House organ. Serial No. 560,880, May 17. Class 38.
Gabriel Company, The, Cleveland, Ohio. Shock absorbers. Serial No. 548,359, May 17. Class 19.
General Cable Corporation, New York, N. Y. Insulated electrical conductors. Serial No. 545,736, May 17. Class 21.
General Dyestuff Corporation, New York, N. Y. Fluorescent dyestuffs. Serial No. 555,497, May 17. Class 6.
General Radio Company, Cambridge, Mass. Electrical apparatus. Serial No. 533,496, May 17. Class 21.
General Radio Company, Cambridge, Mass. Electrical apparatus. Serial No. 533,500, May 17. Class 21.
Germain Seed and Plant Company, Los Angeles, Calif. Paper tape with a wire core. Serial No. 526,590, May 17. Class 7.
Germain Seed and Plant Company, Los Angeles, Calif. Paper tape with wire core. Serial No. 526,719, May 17. Class 7.
Gerts, Mitchell, doing business as Hollywood Pipe Tobacco Co., Los Angeles, Calif. Pipe tobacco. Serial No. 543,439, May 17. Class 17.
Gold Medal Haarlem Oil Corporation, Jersey City, N. J. Haarlem oil. Serial No. 539,312, May 17. Class 6.
Golfdom, Inc., Chicago, Ill. Periodical publication. Serial No. 536,379, May 17. Class 38.
Gro-Cord Rubber Company, Lima, Ohio. Soles and heels. Serial No. 547,341, May 17. Class 39.
Halex Limited, London, England. Combs. Serial No. 566,277, May 17. Class 40.

Handman, Maurice, doing business as Maurells Products Co., New York, N. Y. Bubble bath. Serial No. 537,179, May 17. Class 6.
Hanover Shoe, Inc., The, Hanover, Pa. Shoes, hosiery, and slippers. Serial No. 548,584, May 17. Class 39.
Hanson-Van Winkle-Munning Company, assignor to Optimus Equipment Company, Matawan, N. J. Machines for washing, rinsing and drying metal. Serial No. 548,363, May 17. Class 23.
Hardinge Brothers, Inc., Elmira, N. Y. Lathes, chucking machines, milling machines and parts thereof, etc. Serial No. 541,930, May 17. Class 23.
Haskell, Charles C., & Co., Inc., Richmond, Va. Diuretic, sedative and anti-capillary-fragility preparation. Serial No. 548,651, May 17. Class 6.
Haspel Brothers, Inc., New Orleans, La. Men's and boys' suits, coats, pants, etc. Serial No. 548,076, May 17. Class 39.
Heart of America Venetian Blind Service: *See*—
Richardson, Tolbert E.
Hercules Powder Company, Wilmington, Del. Dynamite. Serial No. 552,329, May 17. Class 9.
Highway Truck Equipment Co.: *See*—
Wilkinson, Richard G.
Hollywood Pipe Tobacco Co.: *See*—
Gerts, Mitchell.
Holmberg, Rudolph, doing business as Neptune Health Products, New York, N. Y. Preparation for aiding in the relief of constipation. Serial No. 552,589, May 17. Class 6.
Holmes Eureka Lumber Company, Eureka and San Francisco, Calif. Lumber. Serial No. 546,299, May 17. Class 12.
Hopkins Distributing Company: *See*—
Hopkins, John T.
Hopkins, John T., doing business as Hopkins Distributing Company, Longview, Tex. Powdered douche. Serial No. 557,528, May 17. Class 6.
Hornbeak, James H., doing business as Toss Foods, assignor to Toss Foods Incorporated, Monroe, La. Mayonnaise, salad dressing, and sandwich spread. Serial No. 539,701, May 17. Class 45.
Horton Manufacturing Company, Fort Wayne, Ind. Washing machines and ironing machines. Serial No. 544,449, May 17. Class 24.
Hosier, Arnold D., Quincy, Mich. Insulating wool. Serial No. 556,013, May 17. Class 12.
House Beautiful Curtains, Inc., New York, N. Y. Window and shower curtains. Serial No. 563,251, May 17. Class 42.
Hubbard, C. N., Kansas City, Mo. Non-explosive cleaning compound. Serial No. 560,468, May 17. Class 4.
Hudson, H. D., Manufacturing Company, Chicago, Ill. Sinks, bayrack fixtures, etc. Serial No. 510,686, May 17. Class 13.
Hudson, J. L., Company, The, Detroit, Mich. Wardrobe trunks, wardrobe cases, suitcases, etc. Serial No. 538,758, May 17. Class 3.
Huffman Manufacturing Company, The, Dayton, Ohio. Bicycles, and structural parts therefor. Serial No. 554,569, May 17. Class 19.
Imco Manufacturing Corporation, The, New York, N. Y. Pyrophoric lighters, flint, wicks. Serial No. 537,316, May 17. Class 8.
Instaprint, New York, N. Y. Photographic contact printer. Serial No. 549,259, May 17. Class 26.
International Celucotton Products Company, Chicago, Ill. Cabinets for dispensing paper tissue sheets. Serial No. 552,246, May 17. Class 2.
International Minerals & Chemical Corporation, Chicago, Ill. Fertilizers. Serial No. 564,626, May 17. Class 10.
Jacobi, Martin, Inc., Buffalo, N. Y. Men's hat stay. Serial No. 541,423, May 17. Class 39.
James and Buckley, Dos Palos, Calif. Fresh lettuce, carrots and cantaloupes. Serial No. 536,619, May 17. Class 46.
Jeffrey Manufacturing Company, The, Columbus, Ohio. Blowers and exhausters and parts thereof. Serial No. 543,461, May 17. Class 34.
Jem Camera Co., The, Newark, N. J. Cameras. Serial No. 559,662–3, May 17. Class 26.
Jenkins, George O., Company, Bridgewater, Mass. Leatherboard and fibreboard. Serial No. 546,396, May 17. Class 50.
Joanna Western Mills Company, Chicago, Ill. Window shades and window shade rollers. Serial No. 536,784, May 17. Class 32.
Kaiser Frazer Corporation, Willow Run, Mich. Automobile seat and trim panel covers, automobile wheel rim rings, etc. Serial No. 530,318, May 17. Class 19.
Karpen, S., & Bros., Chicago, Ill. Mattresses, box springs, sofas, and chairs. Serial No. 542,213, May 17. Class 32.
Karpen, S., & Bros., Chicago, Ill. Davenports, sofas, love seats, chairs. Serial No. 542,214, May 17. Class 32.
Karpen, S., & Bros., Chicago, Ill. Mattresses and box springs. Serial No. 544,513, May 17. Class 32.
Karrier Motors Limited, Coventry, Warwickshire, England. Passenger road vehicles, etc. Serial No. 516,851, May 17. Class 19.
Kelley-Koett Manufacturing Company, The, Covington, Ky. Photofluorographic X-ray apparatus. Serial No. 516,196, May 17. Class 44.
Kennedy Sinclairs, Inc., New York, N. Y. Periodical publications. Serial No. 560,576, May 17. Class 38.
Kerr Dental Manufacturing Company: *See*—
Kerr Manufacturing Company.
Kerr Manufacturing Company, Detroit, Mich., by change of name from Kerr Dental Manufacturing Company. Machines for industrial precision centrifugal casting. Serial No. 500,226, May 17. Class 23.
Kockums Mekaniska Verkstads Aktiebolag, Malmo, Sweden. War, cargo and passenger ships, boats and vessels, etc. Serial No. 518,765, May 17. Class 19.
Kooltex Knitting Mills, Inc., Millsboro, Pa. Men's and boys' underwear, women's union suits, children's underwear and sleeping garments, etc. Serial No. 537,705, May 17. Class 39.
Krinard Packing Company, Riverside, Calif. Fresh citrus fruits. Serial No. 537,706, May 17. Class 46.
Landon, Maurice, doing business under the name of "Parfums Saint-Cyr," New York, N. Y., and Paris, France. Perfumes, toilet waters, colognes, etc. Serial No. 507,194, May 17. Class 6.
Landon, Maurice, doing business under the name of Parfums Saint-Cyr, New York, N. Y., and Paris, France. Perfumes, toilet waters, colognes, etc. Serial No. 507,196, May 17. Class 6.
Lavino, E. J., and Company, Philadelphia, Pa. Refractory bricks, refractory plastics, and refractory cements. Serial No. 552,304, May 17. Class 12.
Laymon, Herman B., doing business as Worlds Products Company, Spencer, Ind. Razor blades. Serial No. 532,302, May 17. Class 28.
Lentini, Joseph, doing business as Lentini Packing Co., Brooklyn, N. Y. Edible oils. Serial No. 538,015, May 17. Class 46.
Lentini Packing Co.: *See*—
Lentini, Joseph.
Levy Bros. & Adler Rochester, Inc., Rochester, N. Y. Men's coats. Serial No. 538,151, May 17. Class 39.
Levy Brothers' Clothing Company, Tucson, Ariz. Men's suits, topcoats and overcoats. Serial No. 547,563, May 17. Class 39.
Lewis Asphalt Engineering Corporation, New York, N. Y. Asphalt adhesive cement. Serial No. 549,453, May 17. Class 12.
Lime Equipment Company, Lebanon, Pa. Machinery for the manufacture of lime. Serial No. 522,301, May 17. Class 34.
Logan Co., Louisville, Ky. Wire panel. Serial No. 538,423, May 17. Class 13.
Logsdon, Bernard, Killbuck, Ohio. Ointment. Serial No. 556,106, May 17. Class 6.
Losee Products Co., Hebron, Ill. Electric water heaters. Serial No. 529,070, May 17. Class 21.
Lugene Inc.: *See*—
Silson, Victor.
Lyon Metal Products, Incorporated, Aurora, Ill. Service cars, basket trucks, and wheeled chair trucks. Serial No. 537,204, May 17. Class 19.
M & R Manufacturing Corp., Brooklyn, N. Y. Baby safety table. Serial No. 541,850, May 17. Class 32.
MacDermid Incorporated, Waterbury, Conn. Chemicals for cleaning metals, etc. Serial No. 548,974, May 17. Class 4.
Mackintosh-Hemphill Company, Pittsburgh, Pa. Alloy iron castings. Serial No. 560,765, May 17. Class 14.
Mackintosh-Hemphill Company, Pittsburgh, Pa. Castings of ferrous metal. Serial No. 560,766, May 17. Class 14.
Maginniss Power Tool Co., Mansfield, Ohio. Electric apparatus. Serial No. 548,597, May 17. Class 21.
Mainbocher: *See*—
Bocher, Maie R.
Mann, Harry, Chicago, Ill. Gauge for measuring and marking the hem of garments. Serial No. 555,111, May 17. Class 26.
Mason, An & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y. Candies. Serial No. 542,608, May 17. Class 46.
Master Appliance Mfg. Co., Racine, Wis. Electric fans. Serial No. 509,156, May 17. Class 21.
Matchless Metal Polish Co., The, Chicago, Ill. Buffing and polishing compound. Serial No. 514,766, May 17. Class 4.
Maurell Products Co.: *See*—
Handman, Maurice.
McArthur, Warren, Corporation, Bantam, Conn. Seats for use in aircraft and railroad cars. Serial No. 500,232, May 17. Class 19.
Melsinger Company, New York, N. Y. Dental units, dental casting machines, dental lathes, etc. Serial No. 535,860, May 17. Class 44.
Monark Battery Company, Inc., Chicago, Ill. Storage batteries. Serial No. 539,833, May 17. Class 21.
Moseberg Pressed Steel Corporation, Attleboro, Mass. Accessories for textile, wire and rubber machinery. Serial No. 534,660, May 17. Class 23.
Mumford, Kenneth O., doing business as Chems, Gardena, Cal. Breath deodorizer. Serial No. 555,614, May 17. Class 6.
Mupu Citrus Association, Santa Paula, Calif. Fresh citrus fruit. Serial No. 545,859, May 17. Class 46.
Murray Company, The, Dallas, Tex. Linters and lint cleaning machinery, boilers, shakers, etc. Serial No. 535,586, May 17. Class 23.

Mykrom Co., The, Portland, Oreg. Telescopic sights for rifles. Serial No. 553,733, May 17. Class 26.

Naamloose Vennootschap Chemicalienhandel Odol Company (Odol Maatschappij), Amsterdam, Netherlands. Disinfectants. Serial No. 548,518, May 17. Class 6.

Nachman Corporation, Chicago, Ill. Spring assemblies for upholstery. Serial No. 549,368, May 17. Class 32.

Naken, M. L., Co., Chicago, Ill. Chests for receiving and storing table flatware. Serial No. 528,733, May 17. Class 2.

National Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. Serial No. 488,659, May 17. Class 39.

National Remedy Company, Inc., White Plains, N. Y. Medicinal oil. Serial No. 545,873, May 17. Class 6.

National Sewing Machine Company, Belvidere, Ill. Sewing machines and attachments. Serial No. 556,885, May 17. Class 23.

Nation's Cycle Center, The: *See*—
Willey, Gordon A.

Nebraska Consolidated Mills Company, Omaha, Nebr., doing business as The Fremont Mills. Wheat flour. Serial No. 533,193, May 17. Class 46.

Neisler Mills, Inc., Kings Mountain, N. C. Rayon fabrics. Serial No. 568,522, May 17. Class 42.

Nelson, N. P., Iron Works, Inc., Clifton, N. J. Bucket loaders, snow loaders, belt conveyors, etc. Serial No. 493,385, May 17. Class 23.

Neptune Health Products: *See*—
Holmberg, Rudolph.

Nestle-Lemur Company, The, Meriden, Conn. Toilet preparations. Serial No. 549,567, May 17. Class 6.

New Braunfels Textile Mills, New Braunfels, Tex. Cotton piece goods. Serial No. 556,116, May 17. Class 42.

Nixon Brassiere Mfg. Co., New York, N. Y. Brassières. Serial Nos. 558,311–13, May 17. Class 39.

Nomesser Products Company: *See*—
Zesbaugh, Paul L.

Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Oslo, Norway. Fertilizers. Serial No. 564,257, May 17. Class 10.

Norton, W. W., & Company, Inc., New York, N. Y. Books. Serial No. 550,252, May 17. Class 38.

Norwich Knitting Company, Norwich, N. Y. Polo shirts, knit jackets, and sweaters for men, women, and children. Serial No. 547,270, May 17. Class 39.

Odell, Benjamin B., doing business as Defiance Manufacturing Company, Los Angeles, Calif. Gasoline tank caps. Serial No. 514,743, May 17. Class 19.

Olson Radio Warehouse, Inc., Akron, Ohio. Electrical apparatus. Serial No. 546,597, May 17. Class 21.

Optimus Equipment Company: *See*—
Hanson-Van Winkle-Munning Company.

Orbit Valve Company, Tulsa, Okla. Non-thermostatic valves. Serial No. 517,197, May 17. Class 13.

Oshkosh Filter & Softener Company, Oshkosh, Wis. Water treating equipment. Serial No. 552,262, May 17. Class 31.

Oster, John, Manufacturing Company, Racine, Wis. Electric lather making and dispensing apparatus for barbers. Serial No. 521,922, May 17. Class 21.

Owen, R. C., Company, Gallatin, Tenn. Chewing tobacco. Serial No. 521,282, May 17. Class 17.

Owen, R. C., Company, Gallatin, Tenn. Chewing tobacco. Serial No. 521,284, May 17. Class 17.

Pacific Coast Cement Company, Seattle, Wash. Portland cement and high-early strength cement. Serial No. 554,145, May 17. Class 12.

"Parfums Saint-Eyr": *See*—
Landon, Maurice.

Parke, Davis & Company, Detroit, Mich. Expectorant. Serial No. 555,791, May 17. Class 6.

Parker Brothers, Inc., Salem, Mass. Card game. Serial No. 554,698, May 17. Class 22.

Park Square Motors, Inc., Brooklyn, N. Y. Second-hand automobiles. Serial No. 516,667, May 17. Class 19.

Parsons Industries, Inc., Traverse City, Mich. Aircraft rotor blades. Serial No. 557,308, May 17. Class 19.

Pasco Packing Co., Dade, Fla. Canned citrus segments. Serial No. 524,560, May 17. Class 46.

Patent Button Co., The, Waterbury, Conn. Complete slide fasteners and also slide fastener parts and accessories. Serial No. 541,698, May 17. Class 13.

Peckat, Charles, Manufacturing Co., Maywood, Ill. Windshield visor or sunshade for automobiles. Serial No. 559,248, May 17. Class 19.

Pendleton Woolen Mills, Pendleton and Portland, Oreg. Piece goods and blankets. Serial No. 535,994, May 17. Class 42.

Perkins Glue Company, Lansdale, Pa. Urea formaldehyde and phenol formaldehyde resins, casein glues, vegetable glues, etc. Serial No. 550,431, May 17. Class 5.

Pioneer Engineering Works, Inc., Minneapolis, Minn. Portable rock crushing plants, portable screening plants, vibrating screens, etc. Serial No. 538,448, May 17. Class 23.

Pioneer Suspender Company, Philadelphia, Pa. Buckles. Serial No. 491,283, May 17. Class 40.

Piper Aircraft Corporation, Lock Haven, Pa. Airplanes and structural parts thereof. Serial No. 554,150, May 17. Class 19.

Plomb Tool Company, Los Angeles, Calif. Large tool chest on wheels. Serial No. 535,179, May 17. Class 10.

Pocket Books, Inc., New York, N. Y. Books. Serial No. 555,445, May 17. Class 38.

Polyscope Equipment & Appliance Co. Inc., Brooklyn, N. Y. Automobile mirrors. Serial No. 554,254, May 17. Class 19.

Pomerants, A., & Company, Philadelphia, Pa. Calendars. Serial No. 580,352, May 17. Class 38.

Portable Light Co., Inc., The, New York, N. Y. Electrical marine apparatus. Serial No. 533,873, May 17. Class 21.

Procter & Gamble Company, The, Cincinnati, Ohio. Coning oil. Serial No. 550,168, May 17. Class 15.

Pure Oil Company, The, Chicago, Ill. Gasoline, kerosene, gas oils, etc. Serial No. 507,936, May 17. Class 15.

Pure Oil Company, The, Chicago, Ill. Motor fuel oils. Serial No. 534,186, May 17. Class 15.

R. & R. Products Co.: *See*—
Ramires, Manuel L.

Radio Corporation of America, New York, N. Y. Soundheads and racks provided with mounted units of amplifiers. Serial No. 554,815, May 17. Class 26.

Raffetto, G. B., Inc., New York, N. Y. Marrons, chutney condiments, fruits, etc. Serial No. 530,763, May 17. Class 46.

Ramires, Manuel L., doing business as R. & R. Products Co., Corpus Christi, Tex. Chewing gum. Serial No. 544,764, May 17. Class 46.

Rapids-Standard Company, Inc., The, Grand Rapids, Mich. Electrically operated, heavy duty, portable, endless belt conveyors. Serial No. 487,334, May 17. Class 23.

Raytheon Manufacturing Company, Newton, Mass. Apparatus for supplying impulses of current to electric welding machines. Serial No. 479,901, May 17. Class 21.

Real Silk Hosiery Mills, Inc., Indianapolis, Ind. Liquid deodorizer. Serial No. 527,843, May 17. Class 6.

Reed Roller Bit Company, Houston, Tex. Roller type earth drilling bits, scrape type earth drilling bits, bit break out plates, etc. Serial No. 546,427, May 17. Class 23.

Richards-Wilcox Manufacturing Company, Aurora, Ill. Sliding hangers. Serial No. 528,308, May 17. Class 13.

Richardson, Tolbert E., doing business as Heart of American Venetian Blind Service, Kansas City, Mo. Venetian blinds. Serial No. 550,614, May 17. Class 32.

Rimman, Harry, doing business as Big Drip, St. Charles, Ill. Moisture absorbing receptacle containing dehydrating chemicals. Serial No. 501,774, May 17. Class 6.

Rite-Form Corset Co., Inc., New York, N. Y. Corsets and girdles. Serial No. 542,355, May 17. Class 39.

Roble, R. S., Inc., Cambridge, Mass. Planning, arrangement, and conduct of travel tours. Serial No. 534,341, May 17. Class 55.

Rose-Derry Company, Newton, Mass. Crib mattresses. Serial No. 551,824, May 17. Class 32.

Rum Company Ltd., Basle, Switzerland. Rum and brandy. Serial No. 540,903, May 17. Class 49.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' and children's chemises, panties, pajamas, etc. Serial No. 517,205, May 17. Class 39.

Schuman Farms: *See*—
Schuman, Meyer Co.

Schuman, Meyer, Co., doing business as Schuman Farms, Beverly Hills, Watsonville, Calif., and Chicago, Ill. Fresh lettuce. Serial No. 548,019, May 17. Class 46.

Scott Paper Company, Chester, Pa. Paper towels. Serial No. 554,428, May 17. Class 37.

Sedgwick Machine Works, Inc., New York, N. Y. Utility trailers. Serial No. 546,793, May 17. Class 10.

Seneca Coal & Iron Corporation, New York, N. Y. Coal. Serial No. 544,914, May 17. Class 1.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. Serial No. 555,833, May 17. Class 6.

Sheldon, Owen, Corporation, New York, N. Y. Men's and boys' outer shirts and pajamas. Serial No. 546,866, May 17. Class 39.

Sherwin Williams Company, The, Cleveland, Ohio. House organ, color chip compilations, and printed publications. Serial No. 533,504, May 17. Class 38.

Sierra Madre-Lamanda Citrus Association, Pasadena, Calif. Fresh citrus fruits. Serial No. 546,796, May 17. Class 46.

Silson, Victor, doing business as Victor Silson Company, assignor to Lugene Inc., New York, N. Y. Sunglasses, spectacle frames. Serial No. 559,738, May 17. Class 26.

Silson, Victor, Company: *See*—
Silson, Victor.

Simmons Company, New York, N. Y. Mattresses and box springs. Serial No. 549,975, May 17. Class 32.

Sioux Falls Rendering Company, Sioux Falls, S. Dak. Hog feeds, soy bean oil meal, meat scraps, etc. Serial No. 497,574, May 17. Class 46.

Smith, A. O., Corporation, Milwaukee, Wis. Electric welding apparatus. Serial No. 527,640, May 17. Class 21.

Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Textile and wool carpets and rugs. Serial No. 545,546, May 17. Class 42.

Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Textile and wool carpets and rugs. Serial No. 545,547, May 17. Class 42.

Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Textile and wool carpets and rugs. Serial No. 545,550–1. May 17. Class 42.

Southern California Section of the American Chemical Society, Los Angeles, Calif. Monthly bulletin. Serial No. 493,463, May 17. Class 38.

Sperry Corporation, The: *See*—
Sperry Gyroscope Company, Inc.

Sperry Gyroscope Company, Inc., now by merger The Sperry Corporation, Great Neck, N. Y. Thermionic tubes. Serial No. 513,852, May 17. Class 21.

Sport Products, Inc., Cincinnati, Ohio. Athletic equipment. Serial No. 530,979, May 17. Class 22.

Star Glow Electric Products, Inc., Chicago, Ill. Electric hot plates. Serial No. 492,106, May 17. Class 21.

Starline Inc., Harvard, Ill. Barn stalls. Serial No. 545,787–8, May 17. Class 12.

Stein, S., & Co., Inc., New York, N. Y. Woolen goods in the piece and in cut lengths. Serial No. 568,685, May 17. Class 42.

Stinson and Lula, McAllen, Tex. Fresh citrus fruits. Serial No. 478,666, May 17. Class 46.

Stonecutter Mills Corporation, New York, N. Y. Piece goods. Serial No. 543,234, May 17. Class 42.

Street & Smith Publications, Inc., New York, N. Y. Column in a periodical. Serial No. 547,677, May 17. Class 38.

Stroock, S., & Co. Inc., New York, N. Y. Woven cloth. Serial No. 558,956, May 17. Class 42.

Stylewise Hosiery Sales, Inc., New York, N. Y. Hosiery. Serial No. 547,046, May 17. Class 39.

Sun Oil Company, Philadelphia, Pa. Tire irons, lug wrenches, rubber tire mallets, and tire spreaders. Serial No. 535,194, May 17. Class 23.

Sun Oil Company, Philadelphia, Pa. Liquefied petroleum gas. Serial No. 571,755, May 17. Class 6.

Superb Glove Company, The, Johnstown, N. Y. Ladies' and men's gloves. Serial No. 554,051, May 17. Class 39.

Sutton Manufacturers, Inc., Miami, Fla. Doors, wall and ceiling paneling. Serial No. 555,848, May 17. Class 12.

Sweeny Lithograph Company, Inc., Belleville, N. J. Cravats. Serial No. 547,679, May 17. Class 39.

Swift Spinning Mills, Inc., Columbus, Ga. Cotton yarn. Serial No. 506,252, May 17. Class 43.

Talon, Inc., Meadville, Pa. Pullman curtains. Serial No. 551,746, May 17. Class 42.

Tavaro S. A., Geneva, Switzerland. Sewing machines and parts thereof and accessories. Serial No. 517,437, May 17. Class 23.

Thor Packing Co.: *See*—
Thornburg, M. E.

Thornburg, M. E., doing business as Thor Packing Co., Holtville, Calif. Fresh vegetables. Serial No. 531,544, May 17. Class 46.

Tichenor & Ferguson, Los Angeles, Calif. Brassières. Serial No. 553,318, May 17. Class 39.

Tide Water Associated Oil Company, New York, N. Y. Lubricating oil. Serial No. 554,533, May 17. Class 15.

Tidewater Equipment Co., Brunswick, Ga. Pulpwood wagons and rubber tired four-wheeled logging carts. Serial No. 515,589, May 17. Class 10.

Torres, August S., Kinderhook, N. Y. Electric coffee roasters. Serial No. 499,925, May 17. Class 21.

Torres, August S., Kinderhook, N. Y. Coffee. Serial No. 511,935, May 17. Class 46.

Toss Foods, assignee: *See*—
Hornbeak, James H.

Toss Foods Incorporated: *See*—
Hornbeak, James H.

Triple AAA Company: *See*—
Carpenter, Doyle O.

Trip-L-Seal, Inc., Washington, D. C. Portland patching cement. Serial No. 540,986, May 17. Class 12.

Tripoli Canning Co., Inc., Tripoli, Iowa. Canned boned chicken, canned boned turkey, and canned corn. Serial No. 530,263, May 17. Class 46.

Tuxco Corporation, Evanston, Ill. Brake drums. Serial No. 523,296, May 17. Class 19.

Union Cutlery Company, Inc., Olean, N. Y. Knives, pocket-knives, pruning knives, etc. Serial No. 544,008, May 17. Class 23.

Union Cutlery Company, Inc., Olean, N. Y. Cutlery. Serial No. 544,009, May 17. Class 23.

Union Metal Manufacturing Company, The, Canton, Ohio. Heavy duty cargo trailers and trailer vehicle undercarriages, ship masts, steel cargo ship booms, and ship rudders. Serial No. 506,708, May 17. Class 19.

United Parcel Service of America, Inc., Wilmington, Del. Motor vehicle delivery service. Serial No. 533,084, May 17. Class 55.

United States Tobacco Company, Flemington, N. J., and New York, N. Y. Snuff. Serial No. 550,880, May 17. Class 17.

Waegemans, E., & Son, Inc., Bridgeport, Conn. Cigars. Serial No. 548,531, May 17. Class 17.

Wamsutta Mills, New Bedford, Mass. Men's negligee shirts, shorts, and pajamas. Serial No. 540,747, May 17. Class 39.

Warner Company, Philadelphia, Pa. Specially prepared hydrated lime. Serial No. 558,191, May 17. Class 6.

Wayne Candles, Inc., Fort Wayne, Ind. Candles. Serial No. 528,593, May 17. Class 46.

Westvaco Chemical Corporation, now by merger to Food Machinery and Chemical Corporation, New York, N. Y. Chlorinated phosphatic detergent. Serial No. 564,173, May 17. Class 4.

Wilkins, E. J., Company, Gloversville, N. Y. Pocketbooks and billfolds. Serial No. 533,092, May 17. Class 3.

Wilkins, E. J., Company, Gloversville, N. Y. Billfolds. Serial No. 533,093, May 17. Class 3.

Wilkinson, Richard G., doing business as Highway Truck Equipment Co., Buffalo, N. Y. Fuel tanks. Serial No. 555,033, May 17. Class 19.

Willey, Gordon A., doing business as The Nation's Cycle Center, Maywood, Ill. Motorcycle windshields, motorcycle bumpers, motorcycle fender plates, etc. Serial No. 519,300, May 17. Class 19.

Winkelmann, Walter K., Sparta, N. J. Newspaper column. Serial No. 550,975, May 17. Class 38.

Wuhl Shoe Company, St. Louis, Mo. Women's, girls', and children's shoes. Serial No. 544,954, May 17. Class 39.

Worlds Products Company: *See*—
Laymon, Herman B.

Yosemite Chemical Company, San Francisco, Calif. Chemical preparations. Serial No. 523,108, May 17. Class 6.

Zesbaugh, Paul L., doing business as Nomesser Products Company, Minneapolis, Minn. Ash trays. Serial No. 519,791, May 17. Class 8.

LIST OF REGISTRANTS OF TRADE-MARKS

Abrams, David, doing business as Toppe Plastic Products, New York, N. Y. Identification tag holders. 500,984, May 17; Serial No. 524,273. Class 3.

Abrams, Irving, New York, N. Y. Ladies' fur coats, jackets, capes and scarfs. 509,977, May 17; Serial No. 514,457. Class 39.

Ajax Electric Company, Inc., Philadelphia, Pa. Electric furnaces. 509,814, May 17; Serial No. 499,185, published Jan. 18, 1949. Class 21.

Aktieselskavet De Danske Spritfabrikker, Copenhagen, Denmark. Yeast for medical and chemical uses. 192,109, Nov. 25, 1924. Republished May 17. Class 6.

Aktieselskabet De Danske Spritfabrikker, Copenhagen, Denmark. Alcoholic liquors. 330,709, Oct. 20, 1936. Republished May 17. Class 49.

Alabama-Georgia Syrup Company: *See*—
Cairo Syrup Company.

Alexander Bros. Company, Savannah, Ga. Overalls, work shirts, jumpers, etc. 258,042, renewed June 25, 1949. O. G. May 17. Class 39.

Allied Chemical & Dye Corporation, New York, N. Y. Tarlike liquid bituminous material. 442,704, May 17; Serial No. 518,864, published Sept. 21, 1948. Class 1.

Altman, B., & Co., New York, N. Y. Knitted woolen suits for boys and girls. 301,195, Feb. 21, 1933. Republished May 17. Class 39.

Altman, B., & Co., New York, N. Y. Dresses for adults. 334,409, May 5, 1936. Republished May 17. Class 39.

Altman, B., & Co., New York, N. Y. Hosiery. 371,522, Sept. 20, 1939. Republished May 17. Class 39.

American Felt Company, Glenville, Conn. Weather strip felt. 509,934, May 17; Serial No. 550,205, published Jan. 25, 1949. Class 12.

American Grease Stick Company, Muskegon, Mich. Lubricating oils. 509,981, May 17; Serial No. 518,636. Class 15.

American Oil Company, The, Baltimore, Md. Automobile polish, furniture polish, etc. 436,020, Jan. 20, 1948. Canceled. O. G. May 17. Class 16.

American Oil Company, The, Baltimore, Md. Automobile polish, furniture polish, etc. 436,033, Jan. 20, 1948. Canceled. O. G. May 17. Class 16.

Amorskin Corporation, New York, N. Y., by Perry N. Zang, Freeport, N. Y. Soaps. 240,586, Nov. 20, 1928. Republished May 17. Class 4.

Amorskin Corporation, New York, N. Y., by Perry N. Zang, Freeport, N. Y. Face cream. 240,775, Nov. 20, 1928. Republished May 17. Class 6.

Arbogast, Fred, by Fred Arbogast and Co., Inc., Akron, Ohio. Artificial fish bait. 411,754, Jan. 30, 1945. Republished May 17. Class 22.

Arbogast, Fred, by Fred Arbogast and Co., Inc., Akron, Ohio. Artificial fish bait. 414,660, June 19, 1945. Republished May 17. Class 22.

Arbogast, Fred, and Co., Inc.: *See*—
Arbogast, Fred.

Ardes, Elizabeth, Sales Corporation, New York, N. Y. Rouge, lipstick and nail polish. 510,008, May 17; Serial No. 561,285. Class 6.

Ardin, Lucien, Inc., New York, N. Y. American aperitif wine. 389,488, Aug. 5, 1941. Republished May 17. Class 47.

Ardin, Lucien, Inc., New York, N. Y. American vermuth. 389,488, Aug. 5, 1941. Republished May 17. Class 47.

Ardin, Lucien, Inc., New York, N. Y. Wines. 406,428, Apr. 4, 1944. Republished May 17. Class 47.

Ardin, Lucien, Inc., New York, N. Y. Wines. 418,814, Jan. 8, 1946. Republished May 17. Class 47.

Artility Metal Products, Inc., Elkhart, Ind. Office, household, and factory chairs. 362,887, Dec. 6, 1938. Canceled. O. G. May 17. Class 32.

Artype, Incorporated, Chicago, Ill. Letters, symbols, arks, insignia and similar matter capable of conveying intelligence. 509,850, May 17; Serial No. 530,462, published Jan. 25, 1949. Class 38.

Asset Realization Company, Newark, N. J. Services rendered in the real estate brokerage business. 510,006, May 17; Serial No. 533,259. Class 35.

Associated Anaheim Growers by Yorba Orange Growers Association, Anaheim, Calif. Fresh citrus fruit. 334,111–13, Apr. 21, 1936. Republished May 17. Class 46.

Associated Anabeim Growers by Yorba Orange Growers Association, Anabeim, Calif. Fresh citrus fruit. 350,962, Oct. 12, 1937. Republished May 17. Class 46.

Associated Anaheim Growers by Yorba Orange Growers Association, Anaheim, Calif. Fresh citrus fruit. 351,202, Oct. 19, 1937. Republished May 17. Class 46.

Atlantic Mills, The, Oneyville, R. I. and Stottville, N. Y. by A. D. Juilliard & Co., Inc., New York, N. Y. Woolen textile fabrics in the piece. 233,309–10, Sept. 27, 1927. Republished May 17. Class 42.

Backer, Alexander, doing business as Alexander Backer Company, Brooklyn, N. Y. 509,890, May 17; Serial No. 538,290, published Jan. 18, 1949. Class 50.

Backer, Alexander, Company: *See*—
Backer, Alexander.

Ball, F. M., & Company, Oakland, Calif. Canned fruits. 509,899, May 17; Serial No. 540,628, published Jan. 18, 1949. Class 46.

Barker, Moore & Mein Co., Inc., The, Philadelphia, Pa. Mineral appetizer and condition powders. 274,678, Sept. 2, 1930. Republished May 17. Class 6.

Bates & Klinke, Inc., Attleboro, Mass. Babies' bracelets. 428,725, Apr. 1, 1947. Republished May 17. Class 28.

Bates & Klinke, Inc., Attleboro, Mass. Jewelry. 431,498, July 22, 1947. Republished May 17. Class 28.

Bates, R. B., Manufacturing Co.: *See*—
Bates, Robert.

Bates, Robert, doing business as R. B. Bates Manufacturing Co., Athens, Tenn. Cleaning compound. 509,983, May 17; Serial No. 524,105. Class 4.

Battle Creek Food Company, The, Battle Creek, Mich. Cereal breakfast food. 237,738, Jan. 17, 1928. Republished May 17. Class 46.

Bayshore Industries, Inc., Elkton, Md. Toy balloons. 435,426, Dec. 23, 1947. Republished May 17. Class 22.

Bayshore Industries, Inc., Elkton, Md. Toy balloons and wind-operated sound emitting toys. 437,499, Mar. 23, 1948. Republished May 17. Class 22.

Becker, Henry, & Son, Inc., Roseland, N. J. Milk. 289,163, Nov. 17, 1931. Republished May 17. Class 46.

Becker, Henry, & Son, Inc., Roseland, N. J. Milk bottle covers. 297,353, Sept. 13, 1932. Republished May 17. Class 50.

Bendix Aviation Corporation, Detroit, Mich, and Teterboro, N. J. Thermal time delay tubes. 509,893, May 17; Serial No. 530,258, published Feb. 1, 1949. Class 21.

Berbiglia, Inc.: *See*—
Denebeim Distilling Company.

Berger Hosiery Company, Incorporated, Philadelphia, Pa. Ladies' and children's panties, slips, chemise and petticoats. 327,232, Aug. 20, 1935. Republished May 17. Class 39.

Berger Hosiery Company, Incorporated, Philadelphia, Pa. Ladies' brassieres. 386,682, Mar. 11, 1941. Republished May 17. Class 39.

Bernstein, Lawrence, New York, N. Y. Children's rayon underwear. 255,029, renewed Apr. 9, 1949. O. G. May 17. Class 39.

Berwind-White Coal Mining Company, The, Philadelphia, Pa. Bituminous coal. 262,482, Oct. 15, 1929. Republished May 17. Class 1.

Bick, Harry S., & Son, New York, N. Y. Ladies' jewelry. 509,947, May 17; Serial No. 551,759, published Feb. 1, 1949. Class 28.

Blackinton, Pauline M., doing business as The Toy House, Medford, Mass., to World Toy House, Inc., St. Paul, Minn. Card games, bean-bag games, table games, etc. 235,687, renewed Apr. 30, 1949. O. G. May 17. Class 22.

Bon Ami Company, The, New York, N. Y. Household cleanser in cake form. 510,004, May 17; Serial No. 575,512. Class 4.

Bornot, Inc., Philadelphia, Pa. Cleaning, dyeing, pressing, and storing garments and household goods. 509,967–8, May 17; Serial Nos. 528,758–9, published Jan. 25, 1949. Class 35.

Botany Mills, Inc.: *See*—
Botany Worsted Mills.

Botany Worsted Mills, by Botany Mills, Inc., Passaic, N. J. Woolen and worsted piece goods. 363,371, Dec. 20, 1938. Republished May 17. Class 42.

Botany Worsted Mills, by Botany Mills, Inc., Passaic, N. J. Machine woolen and worsted knitting yarn. 369,787, Aug. 19, 1941. Republished May 17. Class 43.

Bradford Bros., Inc., Placentia, Calif. Fresh citrus fruits. 244,197, July 17, 1928. Republished May 17. Class 46.

Bradford Bros., Inc., Placentia, Calif. Fresh citrus fruit. 373,226, Nov. 28, 1939. Republished May 17. Class 46.

Brown, George C., & Company, Memphis, Tenn., by George C. Brown & Company, Greensboro, N. C. Kennel bedding and sawdust. 248,243, Oct. 16, 1928. Republished May 17. Class 1.

Brown, Thomas L., Ltd., Kansas City, Mo. Fresh meat. 419,083, Feb. 5, 1946. Republished May 17. Class 46.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes, smoking tobacco, chewing tobacco, and snuff. 509,937, May 17; Serial No. 550,462, published Feb. 1, 1949. Class 17.

Brunswick Worsted Mills, Inc., Moosup, Conn. Woolen and worsted yard goods. 509,847, May 17; Serial No. 529,134, published June 8, 1948. Class 42.

Buffalo Specialty Company, by Liquid Veneer Corporation, Buffalo, N. Y. Animal and insect poison. 226,073, Mar. 20, 1927. Republished May 17. Class 6.

Bunyan, Paul, Foods, Inc., Seattle, Wash. Canned fruits, vegetables, berries, etc. 361,136, Oct. 11, 1938. Republished May 17. Class 46.

Burlington Mills Corporation, Greensboro, N. C. Piece goods, bedspreads, draperies, etc. 509,900, May 17; Serial No. 541,080, published Jan. 18, 1949. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Piece goods. 509,958, May 17; Serial No. 535,150, published Feb. 1, 1949. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Piece goods. 509,959, May 17; Serial No. 555,153, published Feb. 1, 1949. Class 42.

Burroughs, Edgar Rice, Inc., Tarzan, Calif. Fabrics in the piece. 324,000, May 7, 1935. Canceled. O. G. May 17. Class 42.

Bush, W. J., & Company Limited, London, England. Pomades and toilet ointments, preparations for the teeth and hair, bath salts, etc. 257,880, renewed June 18, 1949. O. G. May 17. Class 6.

Cairo Syrup Company, Atlanta, Ga., by Alabama-Georgia Syrup Company, Montgomery, Ala. Blended cane and corn syrup. 295,822, July 12, 1932. Republished May 17. Class 46.

Cairo Syrup Company, Atlanta, Ga., by Alabama-Georgia Syrup Company, Montgomery, Ala. Cane syrup. 295,823, July 12, 1932. Republished May 17. Class 46.

Cairo Syrup Company, Atlanta, Ga., by Alabama-Georgia Syrup Company, Montgomery, Ala. Cane syrup. 295,952, July 19, 1932. Republished May 17. Class 46.

Campbell-Taggart Associated Bakeries, Inc., Dallas, Tex. Bread. 382,966, Nov. 19, 1940. Republished May 17. Class 46.

Capitol Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 509,962, May 17; Serial No. 556,245, published Feb. 1, 1949. Class 42.

Carolina Farmer Publishing Company, Inc., The, Greensboro, N. C. Monthly magazine. 509,974, May 17; Serial No. 505,731. Class 38.

Caron Corporation: *See*—
Daltroff, E. & Cie.

Chance, A. B., Company, Centralia, Mo. Electrical apparatus. 509,867, May 17; Serial No. 530,236, published Jan. 25, 1949. Class 21.

Charles of the Ritz, Inc., New York, N. Y. Toilet creams. 365,361, Mar. 7, 1939. Republished May 17. Class 6.

Chicago Dietetic Supply House, Inc., The, Chicago, Ill. Washed bran, bran wafers, bran breakfast food, etc. 220,019, Oct. 26, 1926. Republished May 17. Class 46.

Chicago Dietetic Supply House, Inc., The, Chicago, Ill. Canned fruits and vegetables, canned apple sauce, etc. 386,722, Apr. 22, 1941. Republished May 17. Class 46.

China & Glass Distributors, Inc., New York, N. Y. Chinaware, pottery, crockery, etc. 509,844, May 17; Serial No. 528,769, published Jan. 18, 1949. Class 30.

Chocolate Man, Inc., The, New York, N. Y. Candies. 438,972, May 25, 1948. Republished May 17. Class 46.

Chocolats de la Coupe d'Or, Maison L. Veint Roard & Compagnie, Societe a Responsabilite Limitee, Paris, France. Candies, chocolate, ginger bread, etc. 442,707, May 17; Serial No. 521,854, published Feb. 1, 1949. Class 46.

Chula Vista Citrus Association, by The Chula Vista Citrus Association, Chula Vista, Calif. Fresh citrus fruits. 267,929, May 4, 1930. Republished May 17. Class 46.

Chula Vista Citrus Association, The: *See*—
Chula Vista Citrus Association.

Cincinnati Cotton Products Company, The, Cincinnati, Ohio. Shroud cloths. 509,885, May 17; Serial No. 537,872, published Jan. 18, 1949. Class 42.

Clark, Verdelle, Presque Isle, Maine. Artificial fishing flies. 427,325–6, Feb. 4, 1947. Republished May 17. Class 22.

Clayton, S. C., Co., Inc., Boston, Mass. Marmalade. 509,828, May 17; Serial No. 520,091, published Jan. 11, 1949. Class 46.

Clever Tobacco Co., Inc., Irvington, N. Y. Little cigars. 509,938, May 17; Serial No. 550,585, published Feb. 1, 1949. Class 17.

Coe Laboratories, Inc., Chicago, Ill. Denture impression material. 509,992, May 17; Serial No. 554,549, Class 44.

Columbus Coated Fabrics Corporation, Columbus, Ohio. Plastic coated textile fabrics. 442,702, May 17; Serial No. 505,890, published Jan. 25, 1949. Class 42.

Commander Larabee Cereal Company, Chicago, Ill., by Commander-Larabee Milling Company, Minneapolis, Minn. Cake flour. 238,658, Feb. 14, 1928. Republished May 17. Class 46.

Commander-Larabee Milling Company: *See*—
Commander Larabee Cereal Company.

Commerce Clearing House, Inc., Chicago, Ill. Publication. 509,832, May 17; Serial No. 522,699, published Jan. 18, 1949. Class 38.

Conklin, E. W., & Son: *See*—
Conklin, Horace E.

Conklin, Horace E., doing business as E. W. Conklin & Son, Binghamton, N. Y., by The Philadelphia Seed Company, Philadelphia, Pa. Grass, field, and agricultural seeds, and seed grains. 237,548, Jan. 10, 1928. Republished May 17. Class 1.

Conmar Products Corporation, New York, N. Y., by Conmar Products Corporation, Newark, N. J. Slide fasteners. 324,689, May 28, 1935. Republished May 17. Class 13.

Conmar Products Corporation, Newark, N. J. Slide fasteners. 374,106, Jan. 2, 1940. Republished May 17. Class 13.

Conmar Products Corporation, Newark, N. J. Slide fasteners. 375,306, Feb. 13, 1940. Republished May 17. Class 13.

Consolidated Royal Chemical Corporation: *See*—
Walker, W. & H., Inc.

Consolidated Royal Chemical Corporation, Chicago, Ill. Log make-up. 509,923, May 17; Serial No. 545,346, published Feb. 1, 1949. Class 6.

Continental Mills, Inc., Seattle, Wash. Prepared pie crust. 342,590, Feb. 2, 1937. Republished May 17. Class 45.

Continental Mills, Inc., Philadelphia, Pa. Knitted and woven clothe. 509,930, May 17; Serial No. 548,801, published Jan. 25, 1949. Class 42.

Cook Coffee Company, The: *See*—
India Tea Company.

Cortley Curtain Corporation, New York, N. Y. Window curtains. 509,963, May 17; Serial No. 560,319, published Jan. 18, 1949. Class 42.

Coty, Inc., by Coty, Inc. (1939), Wilmington, Del., and New York, N. Y. Perfume, toilet water, face powder, etc. 184,091, May 20, 1924. Republished May 17. Class 6.

Coty, Inc. (1939): *See*—
Coty, Inc.

Country Press, Inc., by Fawcett Publications, Inc., Greenwich, Conn. Magazines. 356,672, May 10, 1938. Republished May 17. Class 38.

Cowiche Growers, Inc., Cowiche, Wash. Fresh deciduous fruits. 263,135, Dec. 17, 1929. Republished May 17. Class 46.

Crandall Packing Company, to The Garlock Packing Company, Palmyra, N. Y. Packing. 32,487, re-renewed Feb. 7, 1949. O. G. May 17. Class 35.

Crawford-Austin Manufacturing Company, Waco, Tex. Cotton pickers' sacks. 257,349, renewed June 4, 1949. O. G. May 17. Class 2.

Crawford Manufacturing Co., Inc., Richmond, Va. Slip cover material. 509,935, May 17; Serial No. 550,219, published Jan. 18, 1949. Class 42.

Cream Dore Mfg. Co., Inc., Binghamton, N. Y. Peanut butter. 438,523, Apr. 27, 1948. Republished May 17. Class 46.

Crown Zellerbach Corporation, also doing business as National Paper Products Co., and Nata Products Company, San Francisco, Calif. Toilet tissue. 509,991, May 17; Serial No. 542,004. Class 37.

Crystal Gelatine Company, Boston, Mass., by Eastman Gelatine Corporation, Peabody, Mass. Gelatin. 70,410, Aug. 26, 1906. Republished May 17. Class 46.

Cubbison Cracker Co.: *See*—
Cubbison, Harry G.

Cubbison Cracker Company: *See*—
Cubbison, Harry G.

Cubbison, Harry G., doing business as Cubbison Cracker Co., by Cubbison Cracker Company, Los Angeles, Calif. Toast. 250,962, Dec. 18, 1928. Republished May 17. Class 46.

Cucamonga Winery, Cucamonga, Calif. Wines. 396,479, July 21, 1942. Republished May 17. Class 47.

Culbertson Investment Company, Ventura, Calif. Fresh citrus fruits. 433,738, Oct. 28, 1947. Republished May 17. Class 46.

Cumberland Macaroni Mfg. Company, Cumberland, Md. Macaroni. 256,291, renewed May 14, 1949. O. G. May 17. Class 46.

Curtis, A. W., Jr., Detroit, Mich., doing business as A. W. Curtis Laboratories. Face creams. 500,829, May 17; Serial No. 520,619, published Dec. 14, 1948. Class 6.

Curtis, A. W., Laboratories: *See*—
Curtis, A. W., Jr.

Cutting Room Appliances Corporation, New York, N. Y. Cloth laying machines and parts therefor. 438,710, May 11, 1948. Republished May 17. Class 23.

Daltroff, E., & Cie, doing business as Parfumerie Caron, Paris, France, by Caron Corporation, New York, N. Y. Face and toilet powders. 333,448, Mar. 24, 1936. Republished May 17. Class 6.

Dan River Mills, Incorporated, Danville, Va. Cotton piece goods. 509,964, May 17; Serial No. 560,451, published Jan. 18, 1949. Class 42.

Davis & Lawrence Company: *See*—
Davis and Lawrence Co.

Davis and Lawrence Co., New York, N. Y., by Davis & Lawrence Company, Dobbs Ferry, N. Y. Medicinal preparation. 54,100, June 19, 1906. Republished May 17. Class 6.

De Danske Spritfabrikker Aktieselskab, Copenhagen, Denmark. Brandy. 351,219, Oct. 19, 1937. Republished May 17. Class 49.

Deens Products Company, Chicago, Ill. Electric lamps. 509,925, May 17; Serial No. 545,620, published Jan. 18, 1949. Class 21.

Del-Mar-Va Hatcheries: *See*—
Holsinger, Lloyd E.

Denebeim Distilling Company, by Berbiglia, Inc., Kansas City, Mo. Whiskey. 438,071, Apr. 6, 1948. Republished May 17. Class 49.

Dermator Chemical Co.: *See*—
Noveck, Morris.

Detroit Harvester Company, Detroit, Mich. Hydraulically operated vehicle window regulators, hydraulically operated vehicle seat adjusters, and hydraulic mechanisms. 437,427, Mar. 23, 1948. Republished May 17. Class 23.

Dettra Flag Company, Inc., Oaks, Pa. Flags, pennants, banners, etc. 237,330, Jan. 10, 1928. Republished May 17. Class 50.

Dew Beverage Co., Inc., Kansas City, Mo. Non-alcoholic maltless beverages. 438,547, Apr. 27, 1948. Republished May 17. Class 45.

Diebert Bros. & Snyder, Biola and Fresno, Calif., by Diebert Packing Company, Biola, Calif. Raisins. 349,662, Aug. 31, 1937. Republished May 17. Class 46.

Diebert Packing Company: *See*—
Diebert Bros. & Snyder.

Dietary Foods Company, by Lars Company, Incorporated, Minneapolis, Minn. Low calory dieting food. 320,995, Nov. 19, 1935. Republished May 17. Class 46.

Dinges, Wilton C., doing business as The Emeco Co., Baltimore, Md., by Emeco Corporation, Hanover, Pa. Household chairs, utility tables, dinette tables, etc. 430,029, June 3, 1947. Republished May 17. Class 32.

Dohrmann Hotel Supply Co., San Francisco, Calif. Silver-plated flatware. 509,903, May 17; Serial No. 542,015, published Feb. 1, 1949. Class 28.

Doods Medicine Company Limited, The, Toronto, Ontario, Canada. Medicinal pills. 317,211, Sept. 18, 1934. Republished May 17. Class 6.

Dowell Incorporated, Midland, Mich., assignor to Dowell Incorporated, Wilmington, Del. Cellular material. 509,823, May 17; Serial No. 514,109, published Jan. 25, 1949. Class 12.

Drive-A-Car System, Inc., Kansas City, Mo. Motor car rental service. 510,007, May 17; Serial No. 555,476. Class 35.

Du-Bal Packing Company, Salinas, Calif. Fresh lettuce. 442,710, May 17; Serial No. 523,651, published Feb. 1, 1949. Class 46.

Dubonnet Wine Corporation: *See*—
Societe Anonyme Dubonnet.

Dubonnet Wine Corporation, New York, N. Y. Wines. 319,695, Dec. 4, 1934. Republished May 17. Class 47.

Dubonnet Wine Corporation, New York, N. Y. Wine aperitif. 411,845, Feb. 6, 1945. Republished May 17. Class 47.

Dumeri Textile Co., Inc., New York, N. Y. Broadcloth fabrics in the piece. 509,836, May 17; Serial No. 525,802, published Jan. 18, 1949. Class 42.

Dunne, W. H., Co., The, Norwich, N. Y. Canned peas, canned corn, coffee, etc. 113,710, Oct. 31, 1916. Recanned corn, coffee, etc. 113,710, Oct. 31, 1916. Republished May 17. Class 46.

Durolith Paint & Varnish Co., Incorporated, Bristol, to Arthur C. Mansels Industries, Incorporated, Philadelphia, Pa. Ready-mixed paint. 258,544, renewed July 9, 1949. O. G. May 17. Class 16.

Duro-Test Corporation, North Bergen, N. J. Fluorescent lamps. 509,815, May 17; Serial No. 490,487, published Feb. 1, 1949. Class 21.

Dutton-Lainson Company: *See*—
Jaden, Fred I.

Dwinell-Wright Company, Boston, Mass. Blended coffee. 74,022, re-renewed Aug. 17, 1949. O. G. May 17. Class 46.

Dyer-Gram Mfg. Co., Inc., Tampa, Fla. Electrical display and advertising signs and cabinets. 509,837, May 17; Serial No. 526,734, published Jan. 18, 1949. Class 21.

Eastman Gelatine Corporation: *See*—
Crystal Gelatine Company.

Eaton, Crane & Pike Company, to Eaton Paper Corporation, Pittsfield, Mass. Memorandum pads and writing paper. 253,754, renewed Mar. 5, 1949. O. G. May 17. Class 37.

Eaton Paper Corporation: *See*—
Eaton, Crane & Pike Company.

Eddy Manufacturing Co.: *See*—
Mendoiica, Edward E.

Eggeman, Robert G., doing business as Rope Treat, Westminster, Colo. Liquid dressing. 509,988, May 17; Serial No. 537,669. Class 4.

Ekco Products Company: *See*—
Katzinger, Edward, Company.

Elco Food Products Company: *See*—
Lasry, Elias.

Electra Voice Corporation, Chicago, Ill. Telephonic call apparatus, telephonic communication apparatus, electrical public address apparatus, etc. 442,699, May 17; Serial No. 498,214, published Apr. 22, 1947. Class 21.

Elizabeth City Hosiery Co., by Robinson Manufacturing Company, Elizabeth City, N. C. Hosiery. 87,437, July 16, 1912. Republished May 17. Class 39.

Elizabeth City Hosiery Co., by Robinson Manufacturing Company, Elizabeth City, N. C. Hosiery. 308,316, Nov. 28, 1933. Republished May 17. Class 39.

Elizabeth City Hosiery Co., by Robinson Manufacturing Company, Elizabeth City, N. C. Hosiery. 327,276, Aug. 20, 1935. Republished May 17. Class 39.

Elocsser-Heynemann Company: *See*—
Neustadter Bros.

Elocsser-Heynemann Company, San Francisco, Calif. Overalls. 200,660, July 7, 1925. Republished May 17. Class 39.

Emeco Co., The: *See*—
Dinges, Wilton C.

Emeco Corporation: *See*—
Dinges, Wilton C.

Emergency Laboratories, New York, N. Y., to Omega Chemical Company, Inc., Jersey City, N. J. Remedy for eruptional skin diseases. 74,724, re-renewed Aug. 3, 1949. O. G. May 17. Class 6.

Emmart Food Producta Co.: *See*—
Republic Food Co.

Esso Standard Oil Company: *See*—
Stanco Incorporated.

Fair, The, Chicago, Ill. Radio receiving sets. 509,868, May 17; Serial No. 536,364, published Jan. 25, 1940. Class 21.

Fawcett Publications, Inc.: *See*—
Country Press, Inc.

Fawcett Publications, Inc., Greenwich, Conn. Magazines. 268,108, Mar. 11, 1930. Republished May 17. Class 38.

Fay, Edward J.: *See*—
Parfumerie de Raymond.

Fay, Edward J., to Parfumerie de Raymond, New York, N. Y. Perfumes, toilet water, hair tonic, etc. 255,667, renewed Apr. 30, 1949. O. G. May 17. Class 6.

Federal Manufacturing & Engineering Corp. Brooklyn, N. Y. Photographic lenses. 431,059, July 1, 1947. Republished May 17. Class 26.

Federal Manufacturing & Engineering Corp. Brooklyn, N. Y. Photographic lenses. 431,267, July 15, 1947. Republished May 17. Class 26.

Federal Manufacturing & Engineering Corp., New York, N. Y. Photographic cameras. 438,442, Apr. 20, 1948. Republished May 17. Class 26.

Fehr Baking Company of Beaumont, Beaumont, Tex. Bread. 346,104, May 18, 1937. Republished May 17. Class 46.

Feleh-Anderson Co., Providence, R. I. Shoe buckles. 509,948, May 17; Serial No. 551,786, published Feb. 1, 1949. Class 28.

Fire-King Fuel Corporation: *See*—
Union Coal Co., Inc.

Firestone Industrial Products Company: *See*—
Firestone Tire & Rubber Company, The.

Firestone Tire & Rubber Company, The, doing business as Firestone Industrial Products Company, Akron, Ohio. Transparent or translucent plastic films in the nature of piece goods. 442,696, May 17; Serial No. 478,749, published Jan. 18, 1949. Class 42.

Firth Carpet Company, New York, N. Y. Carpets and rugs. 442,714, May 17; Serial No. 525,816, published Jan. 18, 1949. Class 42.

Folker Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 509,902, May 17; Serial No. 541,827, published Feb. 1, 1949. Class 42.

Foremost Dairies, Inc.: *See*—
Foremost Dairy Products, Inc.

Foremost Dairy Products, Inc., by Foremost Dairies, Inc., Jacksonville, Fla. Fresh milk, buttermilk and sour milk. 274,581, Sept. 2, 1930. Republished May 17. Class 46.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 253,075, renewed Feb. 19, 1949. O. G. May 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 253,920–1, renewed Mar. 12, 1949. O. G. May 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 254,467–8, renewed Mar. 26, 1949. O. G. May 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 254,493, renewed Mar. 26, 1949. O. G. May 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 253,145, renewed Apr. 16, 1949. O. G. May 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 255,253–8, renewed Apr. 16, 1949. O. G. May 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Coat and suit fabrics of wool. 256,360, renewed May 14, 1949. O. G. May 17. Class 42.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 257,068, renewed May 28, 1949. O. G. May 17. Class 42.

Forstmann Woolen Co.: *See*—
Forstmann & Huffmann Company.

Fox-Case Corporation, by Movietonews, Inc., New York, N. Y. Motion pictures. 239,013, Feb. 21, 1928. Republished May 17. Class 26.

Fox Case Corporation, by Movietonews, Inc., New York, N. Y. Motion pictures. 251,585, Jan. 8, 1929. Republished May 17. Class 26.

Fox Case Corporation, by Movietonews, Inc., New York, N. Y. Motion pictures. 251,605, Jan. 8, 1929. Republished May 17. Class 26.

Fox Film Corporation, by Twentieth Century-Fox Film Corporation, New York, N. Y. Moving-picture films. 109,106–7, June 2, 1925. Republished May 17. Class 26.

Fox Hearst Corporation, now by change of name to Movietonews, Inc., by Movietonews, Inc., New York, N. Y. Motion picture films. 288,807, Nov. 3, 1931. Republished May 17. Class 26.

Frances Citrus Association: *See*—
San Joaquin Fruit Co.

Frances Citrus Corporation: *See*—
San Joaquin Fruit Co.

Frick-Gallagher Manufacturing Co., The, Wellsion, Ohio. Rotary merchandise display stands. 308,428, Dec. 5, 1933. Republished May 17. Class 32.

Friedman, Sol, & Sons, New York, N. Y. Ladies' slips. 410,096, Nov. 7, 1944. Republished May 17. Class 39.

Friel, S. E. W., Queenstown, Md. Canned tomato juice and canned vegetables. 509,914, May 17; Serial No. 543,912, published Feb. 1, 1949. Class 46.

Frigie Corp.: *See*—
Frigie Corporation of America.

Frigie Corporation of America, doing business as Frigie Corp., Chicago, Ill. Ice cream bars. 509,843, May 17; Serial No. 528,713, published Jan. 25, 1949. Class 46.

Garberding, Waldo L., doing business as Twentieth Century Manufacturing Co., Chicago, Ill. Reamers. 509,812, May 17; Serial No. 493,265, published Jan. 4, 1949. Class 23.

Gardner Publications, Inc., Cincinnati, Ohio. Technical magazine. 509,924, May 17; Serial No. 546,471, published Jan. 25, 1949. Class 38.

Garlock Packing Company, The: *See*—
Crandall Packing Company.

Garlock Packing Company, The, Palmyra, N. Y. Cord plugs for cleaning condenser tubes. 257,033, renewed May 28, 1949. O. G. May 17. Class 13.

General Electric X-Ray Corporation: *See*—
Victor X-Ray Corporation.

General Naval Stores Company, Inc., New York, N. Y., by Newport Industries, Inc., Pensacola, Fla. Gloss oils. 295,055, June 14, 1932. Republished May 17. Class 16.

General Products Corporation, Union Springs, N. Y. Molded plastic parts for internal combustion engine ignition systems. 509,821, May 17; Serial No. 511,464, published Jan. 25, 1949. Class 21.

General Shoe Corporation, Nashville, Tenn. Boots, shoes, and slippers. 369,966, Aug. 8, 1939. Canceled. O. G. May 17. Class 39.

Gerber Brothers, Brooklyn, N. Y. Canned fruits, canned vegetables, canned fish, etc. 252,969, renewed Feb. 19, 1949. O. G. May 17. Class 46.

Gipson, Leland F., Oakland, Calif. Preparation for external application. 509,816, May 17; Serial No. 499,704, published Jan. 25, 1949. Class 6.

Goldinger, Harry, Textile Corporation, Los Angeles, Calif. Fabrics. 509,933, May 17; Serial No. 549,728, published Jan. 18, 1949. Class 42.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber hose. 212,545, May 4, 1926. Republished May 17. Class 35.

Gordon-Allen Ltd., by Par Soap Company, Oakland, Calif. Granulated laundry soap. 284,755, July 7, 1931. Republished May 17. Class 4.

Gosse, F. A., Company, Seattle, Wash. Canned fish. 297,949, Oct. 4, 1932. Republished May 17. Class 46.

Gottfried Company, The: *See*—
Quality Frock Company.

Granat Bros., Inc., San Francisco, Calif. Watches. 509,950, May 17; Serial No. 552,142, published Feb. 1, 1949. Class 27.

Graton & Knight Company, Worcester, Mass. Leather shoe soles. 257,077, renewed May 28, 1949. O. G. May 17. Class 39.

Graton & Knight Company, Worcester, Mass. Leather belting. 439,072–3, June 1, 1948. Republished May 17. Class 35.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Tea. 258,480, renewed July 9, 1949. O. G. May 17. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Coffee. 259,085, renewed July 23, 1949. O. G. May 17. Class 46.

Greensboro Overall Company, Greensboro, N. C. Overalls, work shirts, and work pants for men and children. 378,336, Dec. 5, 1939. Republished May 17. Class 39.

Greensboro Overall Company, Greensboro, N. C. Overalls, work shirts, and work pants for men and children. 381,997, Oct. 15, 1940. Republished May 17. Class 39.

Greensboro Overall Company, Greensboro, N. C. Men's and boys' overalls, work coats, dungarees, and work pants. 413,972, May 22, 1945. Republished May 17. Class 39.

Guerrera, Filomena, Ellwood City, Pa. Nonalcoholic, maltless beverages. 509,904, May 17; Serial No. 542,826, published Jan. 4, 1949. Class 45.

Guth, Edwin F., Company, The, St. Louis, Mo. Fixtures for electric lights. 509,838, May 17; Serial No. 527,020, published Aug. 10, 1948. Class 21.

Haarmann-De Laire-Schaefer Co., by Maywood Chemical Works, Maywood, N. J. Perfumery and flavoring products. 41,630, Dec. 8, 1903. Republished May 17. Classes 6 and 46.

Haarmann-De Laire-Schaefer Co., by Maywood Chemical Works, Maywood, N. J. Perfumery. 41,631, Dec. 8, 1903. Republished May 17. Class 6.

Hagan, George J., Company, Pittsburgh, Pa. Industrial heating furnaces. 219,003, Oct. 19, 1926. Republished May 17. Class 21.

Haire Publishing Company, New York, N. Y. Magazine. 510,002, May 17; Serial No. 556,794. Class 38.

Hall, William D., Dayton, Ohio. Antiseptic. 253,499, renewed Feb. 26, 1949. O. G. May 17. Class 6.

Hallicrafters Co., The, Chicago, Ill. Radio receiving sets. 509,917, May 17; Serial No. 544,728, published Feb. 1, 1949. Class 21.

Hallicrafters Co., The, Chicago, Ill. Radio receiving sets. 509,918, May 17; Serial No. 544,731, published Feb. 1, 1949. Class 21.

Hampshire Paper Company, Inc., Holyoke, Mass. Writing paper and mailing envelopes. 435,232–3, Dec. 16, 1947. Republished May 17. Class 37.

Hansen, Charles H., doing business as Chas. H. Hansen Music Co., New York, N. Y. Series of publications comprising sheet music collections. 442,712, May 17; Serial No. 525,214, published Jan. 25, 1949. Class 38.

Hansen, Chas. H., Music Co.: *See*—
Hansen, Charles H.

Hawkins, Tom C.: *See*—
Olson, Eric R., and T. C. Hawkins.

Health Laboratories: *See*—
Walker, W. & H., Inc.

Hearst Corporation: *See*—
King Features Syndicate, Inc.

Hearst Corporation, The: *See*—
Star Company.

Hearst Corporation, The, New York, N. Y. Cartoons or comic strips. 412,113, Feb. 20, 1945. Republished May 17. Class 38.

Heide, Henry, to Henry Heide, Incorporated, New York, N. Y. Confectionery generally. 32,606, re-renewed Mar. 21, 1949. O. G. May 17. Class 46.

Heide, Henry, Incorporated: *See*—
Heide, Henry.

Heiman, Arthur S., Inc., New York, N. Y. Piece goods. 509,956, May 17; Serial No. 555,097, published Feb. 1, 1949. Class 42.

Heiman, Arthur S., Inc., New York, N. Y. Rayon piece goods. 509,982, May 17; Serial No. 518,952. Class 42.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Buckles and slides. 509,927, May 17; Serial No. 547,548, published Feb. 1, 1949. Class 28.

Hockensmith Corporation, The, Penn, Pa. Mine car wheels. 509,987, May 17; Serial No. 535,152. Class 19.

Hoffman, E. A., Candy Co.: *See*—
Hoffman, Ellc A.

Hoffman, E. A., Candy Co., Inc.: *See*—
Hoffman, Ellc A.

Hoffman, E. A., Candy Co., Inc., Los Angeles, Calif. Candy. 207,146, Dec. 22, 1925. Republished May 17. Class 46.

Hoffman, E. A., Candy Co., Inc., Los Angeles, Calif. Candy. 438,104, Apr. 6, 1948. Republished May 17. Class 46.

Hoffman, E. A., Candy Co. Inc., Los Angeles, Calif. Candy. 509,835, May 17; Serial No. 525,326, published Jan. 25, 1949. Class 46.

Hoffman, Ellc A., doing business as E. A. Hoffman Candy Co., by E. A. Hoffman Candy Co., Inc., Los Angeles, Calif. Candy and chocolates. 187,291, July 29, 1924. Republished May 17. Class 46.

Hollingsworth & Whitney Company, Boston, Mass. Tympan paper. 509,869, May 17; Serial No. 536,392, published Sept. 14, 1948. Class 37.

Holmes Silk Company, The, Williamsport, Pa. Black silk taffeta in the piece. 70,921, Oct. 13, 1908. Republished May 17. Class 42.

Holsinger, Lloyd E., doing business as Del-Mar-Va Hatcheries, Denton, Md., by L. B. MacDowell, Salisbury, Md. Eggs, baby chicks, and live poultry. 209,755, Apr. 16, 1930. Republished May 17. Classes 1 and 46.

House Beautiful Curtains, Inc., New York, N. Y. Shower curtains. 509,945, May 17; Serial No. 551,276, published Jan. 18, 1949. Class 42.

Hudnut, Richard, New York, N. Y. Charts for individual analyses for beauty and grooming. 442,708, May 17; Serial No. 522,863, published Jan. 18, 1949. Class 38.

Hudson, J. L., Company, The, Detroit, Mich. Radio receiving sets. 509,989, May 17; Serial No. 539,519. Class 21.

Humphrey Elevator Co., Fairbault, Minn. Elevators. 176,674, Nov. 27, 1923. Republished May 17. Class 23.

Ideal Industries, Inc., Sycamore, Ill. Portable electric industrial vacuum cleaners and blowers. 509,823, May 17; Serial No. 516,483, published Jan. 18, 1949. Class 21.

Ideal Publishing Corp., New York, N. Y. Periodical. 510,000, May 17; Serial No. 555,820. Class 38.

Imperial Sugar Company, Sugar Land, Tex. Cane sugar. 268,005, Mar. 4, 1930. Republished May 17. Class 46.

India Tea Company, Chicago, Ill., by The Cook Coffee Company, Cleveland, Ohio. Coffees, teas, cocoa, etc. 82,239, June 13, 1911. Republished May 17. Class 46.

Industrial Publishing Company, The, Cleveland, Ohio. Publication. 509,857, May 17; Serial No. 533,165, published Jan. 25, 1949. Class 38.

Institutional Products Company, New York, N. Y. Sheets, towels, toweling, etc. 509,961, May 17; Serial No. 555,521, published Feb. 1, 1949. Class 42.

Insulated Duct & Cable Company, Trenton, N. J. Flexible non-metallic conduits for insulating and mechanical protection of wires and cables. 254,872, renewed Apr. 2, 1949. O. G. May 17. Class 21.

Jaden, F., Manufacturing Co.: *See*—
Jaden, Fred I.

Jaden, Fred I., doing business as F. Jaden Manufacturing Co., by Dutton-Lainson Company, Hastings, Nebr. Tire pumps and slip-on connections for tire pumps. 176,409, Nov. 27, 1923. Republished May 17. Class 23.

Jaden, Fred I., doing business as F. Jaden Manufacturing Co., by Dutton-Lainson Company, Hastings, Nebr. Oil cans. 246,007, Sept. 11, 1928. Republished May 17. Class 2.

Jamestown Lounge Company, Jamestown, N. Y. Household furniture. 360,282–3, Sept. 13, 1938. Republished May 17. Class 32.

Jensen, Georg, Inc., New York, N. Y. Clocks, watches, and watches and attached watch bracelets. 509,618, May 17; Serial No. 504,361, published Feb. 1, 1949. Class 27.

Jewett & Sherman Company, Milwaukee, Wis. Peanut butter. 387,472, May 20, 1941. Canceled. O. G. May 17. Class 46.

Joanna Western Mills Company, Chicago, Ill. Tag cloth. 509,874–5, May 17; Serial Nos. 536,808–9, published Jan. 18, 1949. Class 42.

Joanna Western Mills Company, Chicago, Ill. Label cloth. 509,876, May 17; Serial No. 536,811, published Feb. 1, 1949. Class 42.

Joanna Western Mills Company, Chicago, Ill. Label cloth. 509,877, May 17; Serial No. 536,814, published Jan. 18, 1949. Class 42.

Joanna Western Mills Company, Chicago, Ill. Coated and waterproofed cloth. 509,878–9, May 17; Serial Nos. 536,820–1, published Jan. 18, 1949. Class 42.

Jones & Laughlin Steel Company, to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Articles of cold drawn steel, cold-rolled steel, steel forgings, etc. 73,103, re-renewed Mar. 23, 1949. O. G. May 17. Class 14.

Jones & Laughlin Steel Corporation: *See*—
Jones & Laughlin Steel Company.

Journal of Commerce Corporation, New York, N. Y. Newspapers. 258,747, renewed July 16, 1949. O. G. May 17. Class 38.

Juilliard, A. D., & Co., Inc.: *See*—
Atlantic Mills, The.

Junior Food Products Co., Inc., Tyrone, Pa. Flavored gelatin dessert preparation. 438,070, Apr. 6, 1948. Republished May 17. Class 46.

Karrier Motors Limited, Coventry, Warwickshire, England. Commercial road vehicles, passenger road vehicles; and municipal road vehicles. 509,979, May 17; Serial No. 516,850. Class 19.

Karrier Motors Limited, Coventry, England. Passenger road vehicles; commercial road vehicles. 509,980, May 17; Serial No. 516,852. Class 19.

Katz, Abe M., Company, Robstown, Tex. Fresh vegetables. 345,534, Apr. 27, 1937. Republished May 17. Class 46.

Katzinger, Edward, Company, to Ekco Products Company, Chicago, Ill. Base-metal pie plates, cake pans, and household culinary molds. 252,975, renewed Feb. 19, 1949. O. G. May 17. Class 13.

Katzinger, Edward, Company, to Ekco Products Company, Chicago, Ill. Base-metal bowls, pans, pots, kettles, etc. 252,992, renewed Feb. 19, 1949. O. G. May 17. Classes 13 and 23.

Katzinger, Edward, Company, to Ekco Products Company, Chicago, Ill. Strapping iron. 258,411, renewed July 9, 1949. O. G. May 17. Class 13.

Katzinger, Edward, Company, to Elco Products Company, Chicago, Ill. Sheet metal, plated metal, and metal alloys. 258,543, renewed July 9, 1949. O. G. May 17. Class 14.

Kemp, E. F., Inc., Somerville, Mass. Salted nuts. 509,853, May 17; Serial No. 532,706, published Jan. 25, 1949. Class 46.

Kendall Company, The, Walpole, Mass. Diaper cloth, cheesecloth and sheetings. 509,864, May 17; Serial No. 535,714, published Feb. 1, 1949. Class 42.

Kerkof, Inc.: *See*—
Smith, Alfred H., Co.

Kleckhefer Container Company, Milwaukee, Wis., by Kleckhefer Container Company, Camden, N. J. Paperboard shipping baskets. 309,344, Jan. 9, 1934. Republished May 17. Class 2.

Kilburn Mill, New Bedford, Mass. Knitted and woven fabrics. 509,965, May 17; Serial No. 560,480, published Jan. 18, 1949. Class 42.

Kimberly-Clark Corporation, Neenah, Wis. Book paper. 439,085, June 1, 1948. Republished May 17. Class 37.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Cartoons. 329,624, Nov. 5, 1935. Republished May 17. Class 38.

King Features Syndicate Inc., by The Hearst Corporation, New York, N. Y. Monthly publication. 339,106, Sept. 22, 1936. Republished May 17. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Cartoon and comic strip. 363,172, Dec. 13, 1938. Republished May 17. Class 38.

King Features Syndicate Inc., by The Hearst Corporation, New York, N. Y. Cartoon series. 366,426, Apr. 11, 1939. Republished May 17. Class 38.

L. & B. Jewelry Manufacturing Company, Providence, R. I. Jewelry. 509,866, May 17; Serial No. 537,899, published Feb. 1, 1949. Class 28.

Lamont, Robert, doing business as Red Rock Beverage Company, Altoona, Pa. Non-alcoholic, maltless beverages. 438,398, Apr. 20, 1948. Republished May 17. Class 45.

Lara Company, Incorporated: *See*—
Dietary Foods Company.

Lasry, Elias, doing business as Elco Food Products Company, New York, N. Y. Canned tuna fish. 408,431, Aug. 8, 1944. Republished May 17. Class 46.

Law, John W., Co., Santa Maria, Calif. Fresh vegetables. 437,257, Mar. 9, 1948. Republished May 17. Class 46.

Lee, Frank H. Company, The, Danbury, Conn. Men's and women's felt hats. 324,338, May 14, 1935. Canceled. O. G. May 17. Class 39.

Lee, H. D., Company, Incorporated, The, Kansas City, Mo. Cleanser and detergent. 419,594, Feb. 26, 1946. Republished May 17. Class 4.

Leverton and Company, Houston, Tex. Olives and maraschino-type cherries. 259,438, renewed July 30, 1949. O. G. May 17. Class 46.

Lewis, I., Cigar Manufacturing Company, Newark, N. J. Cigars. 509,907–8, May 17; Serial Nos. 543,488–9, published Feb. 1, 1949. Class 17.

Lewis, I., Cigar Manufacturing Company, Newark, N. J. Cigars. 509,909, May 17; Serial No. 543,492, published Feb. 1, 1949. Class 17.

Lewis, I., Cigar Manufacturing Company, Newark, N. J. Cigars. 509,910–11, May 17; Serial Nos. 543,493–4, published Feb. 1, 1949. Class 17.

Lewis, I., Cigar Manufacturing Company, Newark, N. J. Cigars. 509,912, May 17; Serial No. 543,496, published Feb. 1, 1949. Class 17.

Lewis, I., Cigar Manufacturing Company, Newark, N. J. Cigars. 509,913, May 17; Serial No. 543,499, published Feb. 1, 1949. Class 17.

Libbey, W. S., Company, Lewiston, Maine. Blankets. 288,832, Mar. 18, 1930. Republished May 17. Class 42.

Libbey, W. S., Company, Lewiston, Maine. Rubberized fabric. 308,382, Dec. 5, 1933. Republished May 17. Class 42.

Libbey, W. S., Company, Lewiston, Maine. Blankets. 316,437, Aug. 28, 1934. Republished May 17. Class 42.

Libbey, W. S., Company, Lewiston, Maine. Blankets and cotton and wool mixtures of piece goods. 369,066, July 11, 1939. Republished May 17. Class 42.

Libbey, W. S., Company, Lewiston, Maine. Blankets and cotton and wool mixtures of piece goods. 385,064, Feb. 11, 1941. Republished May 17. Class 42.

Lily Mill and Power Company, by Lily Mills Company, Shelby, N. C. Sewing thread. 305,781, Aug. 22, 1933. Republished May 17. Class 43.

Lily Mills Company: *See*—
Lily Mill and Power Company.

Lily Mills Company, Shelby, N. C. Crochet cotton. 355,633, Mar. 22, 1938. Republished May 17. Class 43.

Lily Mills Company, Shelby, N. C. Hand knitting needles and hand sewing needles. 357,511, June 7, 1938. Republished May 17. Class 40.

Lily Mills Company, Shelby, N. C. Hand knitting needles and hand sewing needles. 360,002, Sept. 6, 1938. Republished May 17. Class 40.

Limestone Products Corporation of America, Newton, N. J. Pulverized limestone. 434,010, Nov. 4, 1947. Republished May 17. Class 1.

Limestone Products Corporation of America, Newton, N. J. Ground or pulverized limestone. 434,011–13, Nov. 4, 1947. Republished May 17. Class 1.

Lipson, Charles, Co., Philadelphia, Pa. Bubble gum. 509,846, May 17; Serial No. 529,062, published Mar. 16, 1948. Class 46.

Liquid Veneer Corporation: *See*—
Buffalo Specialty Company.

Liquid Veneer Corporation, Buffalo, N. Y. Insecticide. 294,363, May 24, 1932. Republished May 17. Class 6.

Liquid Veneer Corporation, Buffalo, N. Y. Lustrous transparent coating. 356,886, May 17, 1938. Republished May 17. Class 16.

Litecraft Manufacturing Company, Newark, N. J. Electric lighting fixtures. 509,831, May 17; Serial No. 522,911, published Feb. 1, 1949. Class 21.

Livierato, Bernard A., doing business as Livierato Brothers, New York, N. Y. Green coffee. 509,892, May 17; Serial No. 538,644, published Jan. 25, 1949. Class 46.

Livierato Brothers: *See*—
Livierato, Bernard A.

Lorillard, P., Company, New York, N. Y. Cigars. 509,880, May 17; Serial No. 536,924, published Feb. 1, 1949. Class 17.

Loudonville Milling Company, The, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill. Wheat flour. 509,854, May 17; Serial No. 532,716, published Jan. 11, 1949. Class 46.

Loudonville Milling Company, The, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill. Wheat flour. 509,855, May 17; Serial No. 532,718, published Jan. 25, 1949. Class 46.

Loudonville Milling Company, The, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill. Wheat flour. 509,856, May 17; Serial No. 532,722, published Jan. 25, 1949. Class 46.

Lowe Brothers Company, The, Dayton, Ohio. Liquid and paste paints, colors in oil, colors in Japan, and dry colors. 65,447, Sept. 24, 1907. Republished May 17. Class 16.

MacDowell, L. B.: *See*—
Holsinger, Lloyd E.

Macy, R. H., & Co., Inc., New York, N. Y. Watches. 509,951, May 17; Serial No. 552,369, published Feb. 1, 1949. Class 27.

Magee Carpet Company, The, Bloomsburg, Pa. Textile carpets and rugs. 509,922, May 17; Serial No. 545,171, published Jan. 25, 1949. Class 42.

Maison F. Chauvenet S. A., Nuits-St-Georges, France, by R. C. Williams & Company, Inc., New York, N. Y. Wines. 319,095–6, Nov. 13, 1934. Republished May 17. Class 47.

Maison F. Chauvenet, S. A., Nuits-St-Georges, France, by R. C. Williams & Company, Inc., New York, N. Y. Wines. 320,149–50, Dec. 18, 1934. Republished May 17. Class 47.

Malibu Fabrics, Inc., New York, N. Y. Nylon and silk satin fabrics. 442,703, May 17; Serial No. 515,270, published Jan. 25, 1949. Class 42.

Manen, Antonio R., Barcelona, Spain. Typographical and lithographical printed work. 442,705, May 17; Serial No. 518,868, published Jan. 25, 1949. Class 38.

Mangels, Arthur C., Industries, Incorporated: *See*—
Durolith Paint & Varnish Co., Incorporated.

Manx Tweed (Manufacturing) Company, Limited, Laxey, Isle of Man, British Isles. Piece goods. 509,928, May 17; Serial No. 547,643, published Jan. 25, 1949. Class 42.

Marison & Rosenberg Co.: *See*—
Marison & Rosenberg Co., Inc.

Marison & Rosenberg Company: *See*—
Marison & Rosenberg Co., Inc.

Marison & Rosenberg Co., Inc., by Marison & Rosenberg Company, New York, N. Y. Publication. 852,607, Dec. 7, 1937. Republished May 17. Class 38.

Marison & Rosenberg Co., Inc., by Marison & Rosenberg Co., New York, N. Y. Women's ready-to-wear apparel. 856,085, Apr. 12, 1938. Republished May 17. Class 39.

Marison & Rosenberg Co., Inc., by Marison & Rosenberg Co., New York, N. Y. Ladies' handbags. 856,214, Apr. 19, 1938. Republished May 17. Class 39.

Market Basket Corporation, Geneva, N. Y. Canned vegetables, canned fruits, peanut butter, etc. 509,894, May 17; Serial No. 539,329, published Jan. 25, 1949. Class 46.

Marks, Shirley, New York, N. Y. Non-precious costume jewelry. 509,943, May 17; Serial No. 50,815, published Feb. 1, 1949. Class 28.

Marlboro Shirt Company, Inc., Baltimore, Md. Men's and boys' dress, negligee and work shirts. 339,768, Oct. 20, 1936. Republished May 17. Class 39.

Marquis, A. N., Company, The, Chicago, Ill. Publication in the nature of a directory. 509,921, May 17; Serial No. 545,142, published Jan. 18, 1949. Class 38.

Mars, Incorporated, Chicago, Ill. Candy bars. 442,698, May 17; Serial No. 497,670, published Nov. 5, 1946. Class 46.

Marshall Field & Company, Chicago, Ill., by Vrats Underwear Company, Pawtucket, R. I. Knitted underwear. 121,460, Apr. 30, 1918. Republished May 17. Class 39.

Marshall Field & Company, Chicago, Ill. Blankets. 509,931, May 17; Serial No. 549,537, published Jan. 18, 1949. Class 42.

Marshall, James (Devon) Limited, assignor to J. S. Marshall, Totnes, England. Candy. 442,701, May 17; Serial No. 502,446, published Feb. 22, 1949. Class 46.

Marshall, James S.: *See*—
Marshall, James (Devon) Limited.

Marshall-Wells Company: *See*—
Marshall-Wells Hardware Co.

Marshall-Wells Hardware Co., to Marshall-Wells Company, Duluth, Minn. Stoves and kitchen-ranges. 72,875, renewed Mar. 2, 1949. O. G. May 17. Class 34.

Marshall-Wells Hardware Co., to Marshall-Wells Company, Duluth, Minn. Lawn-mowers. 73,540, re-renewed Apr. 27, 1949. O. G. May 17. Class 23.

Marta Cigar Co.: *See*—
Midella, Biagio.

Marta Cigar Co., New York, N. Y. Cigars. 374,019, Dec. 26, 1939. Republished May 17. Class 17.

Marta Cigar Co., New York, N. Y. Cigars. 376,370, Mar. 19, 1940. Republished May 17. Class 17.

Matthews, Geo. B., & Sons, by Geo. B. Matthews & Sons, Inc., New Orleans, La. Stock feed. 117,178, June 19, 1917. Republished May 17. Class 46.

Matthews, Geo. B., & Sons, Inc.: *See*—
Matthews, Geo. B., & Sons.

Mayers, L. & C., Co., Inc., New York, N. Y. Jewelry. 509,887, May 17; Serial No. 537,927, published Feb. 1, 1949. Class 28.

Maywood Chemical Works: *See*—
Haarmann-De Laire-Schaefer Co.

Maywood Hosiery Mills, Inc., Cordele, Ga., by Will de Laine Hosiery Mills, Inc., Charlotte, N. C. Hosiery. 423,989, Sept. 17, 1946. Republished May 17. Class 39.

McBride, D. F., Wenlaco, Tex. Fresh vegetables. 435,078, Apr. 6, 1948. Republished May 17. Class 46.

McCanley Corporation, Dayton, Ohio. Propellers. 509,975, May 17; Serial No. 506,179. Class 19.

McCormick & Co., Incorporated, Baltimore, Md. Insecticide. 244,124, July 10, 1928. Republished May 17. Class 6.

McCray Refrigerator Company, Kendallville, Ind. Refrigerators. 52,105, May 1, 1906. Republished May 17. Class 34.

McCree Products Company: *See*—
McCree, Wade H.

McCree, Wade H., doing business as McCree Products Company, Chicago, Ill. Healing salves for external application. 250,058, renewed Nov. 27, 1948. O. G. May 17. Class 6.

McGill Manufacturing Company, Inc., Valparaiso, Ind. Electric lamp guard. 509,820, May 17; Serial No. 510,885, published Feb. 1, 1949. Class 21.

Measurements Corporation, Boonton, N. J. Radio frequency signal generators for measurement purposes, etc. 382,796, Nov. 12, 1940. Republished May 17. Class 26.

Mendonca, Edward E., doing business as Eddy Manufacturing Co., Hayward, Calif. Christmas tree lighting outfits. 442,711, May 17; Serial No. 524,660, published Jan. 18, 1949. Class 21.

Mercury Battery Charger Company, The: *See*—
Mercury Corporation, The.

Mercury Corporation, The, by The Mercury Battery Charger Company, Kansas City, Mo. Combination battery charging and testing apparatus. 392,137, Dec. 9, 1941. Republished May 17. Class 26.

Mergenthaler Linotype Company, New York, to Mergenthaler Linotype Company, Brooklyn, N. Y. Machines for producing type-bars. 74,289, re-renewed June 29, 1949. O. G. May 17. Class 23.

Mershon Co., Inc., Glendale, Calif. Gun recoil pads, gun butt extension spacers and gun butt plates. 438,519, Apr. 27, 1948. Republished May 17. Class 9.

Metals & Controls Corporation: *See*—
Spencer Thermostat Company.

Middleby, Joseph, Jr., Inc.: *See*—
Middleby, Jos., Jr., Inc.

Middleby, Jos., Jr., Inc., by Joseph Middleby, Jr., Inc., Boston, Mass. Flavoring extracts, mince meat. 111,375, July 11, 1916. Republished May 17. Class 46.

Midulla, B., Company: *See*—
Midulla, Biagio.

Midulla, Biagio, doing business as B. Midulla Company, by Marta Cigar Co., New York, N. Y. Cigars. 200,884, Feb. 23, 1926. Republished May 17. Class 17.

Midwest Utilities Co., Inc., St. Louis, Mo. Trading stamps. 509,954, May 17; Serial No. 554,319, published Jan. 18, 1949. Class 38.

Miller Printing Machinery Co., Pittsburgh, Pa. Printing presses. 255,807, renewed Apr. 30, 1949. O. G. May 17. Class 23.

Miller, R. G., Inc., Dalton, Ga. Pile rugs. 509,906, May 17; Serial No. 552,474. Class 42.

Morris, Philip & Co. Ltd. Incorporated, New York, N. Y. Cigarettes. 509,939–41, May 17; Serial No. 550,717–19, published Feb. 1, 1949. Class 17.

Morris, Philip & Co. Ltd. Incorporated, New York, N. Y. Smoking tobacco. 509,942, May 17; Serial No. 550,720, published Feb. 1, 1949. Class 17.

Morton Salt Company, Chicago, Ill. Salt and meat and poultry seasoning. 509,883–4, May 17; Serial No. 537,339–40, published Jan. 25, 1949. Class 46.

Motor Terminals Company, Wilmington, Del., to Motor Terminals, Inc., Cincinnati, Ohio. Hoisting cranes and parts thereof. 254,543; renewed Mar. 26, 1943. O. G. May 17. Class 23.

Motor Terminals, Inc.: *See*—
Motor Terminals Company.

Mount Olive Pickle Company, Inc., Mount Olive, N. C. Pickles. 258,293, renewed July 2, 1940. O. G. May 17. Class 46.

Movietonews, Inc.: *See*—
Fox-Case Corporation.

Murray Hill Books Incorporated, New York, N. Y. Printed textbooks. 509,824, May 17; Serial No. 514,128, published Jan. 18, 1949. Class 38.

Naco Fertiliser Company: *See*—
Nitrate Agencies Company.

Nata Products Company: *See*—
Crown Zellerbach Corporation.

National Cooperatives, Incorporated: *See*—
Universal Milking Machine Company, The.

National Geographic Society, Washington, D. C. Exploring and discovering, gathering, compiling, and disseminating knowledge of the science of the earth and its life, etc. 509,970, May 17; Serial No. 531,698, published Jan. 18, 1949. Class 38.

National Paper Products Co.: *See*—
Crown Zellerbach Corporation.

National Telephone Supply Company, The, Cleveland, Ohio. Connecting and terminating sleeves for wires and cables. 509,872–3, May 17; Serial Nos. 536,628–9, published Jan. 25, 1949. Class 21.

National Trading Company, Inc., Hickory, N. C. Radio receiving sets and parts therefor. 442,697, May 17; Serial No. 487,565, published July 23, 1946. Class 21.

Naylor, H. W., Co.: *See*—
Naylor, Howard W.

Naylor, Howard W., doing business as H. W. Naylor Co., Morris, N. Y. Test dilutors. 509,995, May 17; Serial No. 546,415. Class 44.

Neustadter Bros., by Eloesser-Heynemann Company, San Francisco, Calif. Coats, blouses, jumpers, etc. 119,354, Nov. 13, 1917. Republished May 17. Class 39.

Newport Company, The, Carrollville, Wis., by Newport Industries, Inc., Pensacola, Fla. Rosin. 267,927–8, Mar. 4, 1930. Republished May 17. Class 1.

Newport Company, The, Carrollville, Wis., by Newport Industries, Inc., Pensacola, Fla. Rosin. 285,066, July 14, 1931. Republished May 17. Class 1.

Newport Company, The, Carrollville, Wis., by Newport Industries, Inc., Pensacola, Fla. Turpentine. 295,791, July 12, 1932. Republished May 17. Class 16.

Newport Company, The, Carrollville, Wis., by Newport Industries, Inc., Pensacola, Fla. Pine oil. 296,992, Aug. 30, 1932. Republished May 17. Class 6.

Newport Company, The, Carrollville, Wis., by Newport Industries, Inc., Pensacola, Fla. Pine oil. 296,994, Aug. 30, 1932. Republished May 17. Class 6.

Newport Industries, Inc.: *See*—
General Naval Stores Company, Inc.
Newport Company, The.

New York Civil Service Employees' Publishing Company, Inc., The, New York, N. Y. Weekly newspaper. 254,283, renewed May 19, 1949. O. G. May 17. Class 38.

Nicholson File Company, Providence, R. I. Files and rasps. 249,815, Nov. 20, 1928. Republished May 17. Class 23.

Nickel Cadmium Battery Corporation, Easthampton, Mass. Storage batteries. 437,097, Apr. 6, 1948. Republished May 17. Class 21.

Nicolet, Pierre, Tramelan, Switzerland. Watches and parts of watches. 509,953, May 17; Serial No. 558,124, published Feb. 1, 1949. Class 27.

Nielsen Bros., El Centro, Calif. Fresh vegetables. 427,889, Feb. 25, 1947. Republished May 17. Class 46.

Nitrate Agencies Company, to Naco Fertiliser Company, New York, N. Y. Fertilizers and fertilizer materials. 259,170, renewed July 23, 1949. O. G. May 17. Class 10.

Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, calendars, etc. 509,944, May 17; Serial No. 550,820, published Jan. 18, 1949. Class 38.

Norfolk and Western Railway Company, Roanoke, Va. Railroad transportation of passengers and freight. 509,971, May 17; Serial No. 551,702, published Jan. 25, 1949. Class 55.

Normandin, E., Societe & Co., Chateauneuf, France. Cognac brandy. 314,686, July 3, 1934. Republished May 17. Class 49.

Norris Incorporated, Atlanta, Ga. Candy. 263,719, Nov. 12, 1929. Republished May 17. Class 46.

Norris Incorporated, Atlanta, Ga. Candy. 344,411, Mar. 23, 1937. Republished May 17. Class 46.

Norris Incorporated, Atlanta, Ga. Candy. 348,407, July 27, 1937. Republished May 17. Class 46.

Norris Incorporated, Atlanta, Ga. Candy. 371,760, Oct. 3, 1939. Republished May 17. Class 46.

Norris Incorporated, Atlanta, Ga. Candy. 386,998, Apr. 29, 1941. Republished May 17. Class 46.

Norris Incorporated, Atlanta, Ga. Candy. 392,790, Jan. 13, 1942. Republished May 17. Class 46.

Norris Inc., Atlanta, Ga. Candy. 500,896, May 17; Serial No. 540,198, published Feb. 1, 1949. Class 46.

North American Electric Lamp Company, St. Louis, Mo. Adapter devices. 358,256, July 5, 1938. Republished May 17. Class 21.

Noveck, Morris, doing business as Dermatox Chemical Co., New Britain, Conn. Skin lotion and an antiseptic toilet cream. 246,132, Sept. 4, 1928. Republished May 17. Class 6.

Nutting Truck and Caster Company: *See*— Nutting, Walter M.

Nutting Truck Company: *See*— Nutting, Walter M.

Nutting, Walter M., doing business as Nutting Truck Company, by Nutting Truck and Caster Company, Faribault, Minn. Floor trucks. 170,547, July 17, 1923. Republished May 17. Class 19.

Nye-Wait Company, Inc., Auburn, N. Y. Textile rugs and carpets. 509,926, May 17; Serial No. 546,144, published Jan. 18, 1949. Class 42.

Oakford Company, The: *See*— Oakford & Fahnestock.

Oakford & Fahnestock, to The Oakford Company, Peoria, Ill. Package-tea. 32,516, re-renewed Feb. 21, 1949. O. G. May 17. Class 46.

Occupational Hazards, Inc., Cleveland, Ohio. Publication. 509,858, May 17; Serial No. 533,196, published Jan. 25, 1949. Class 38.

O'Donnell-Usen Company, The, by O'Donnell-Usen Fisheries Corporation, Boston, Mass. Fresh fish. 249,778, Nov. 20, 1928. Republished May 17. Class 46.

O'Donnell-Usen Fisheries Corporation: *See*— O'Donnell Company, The.

Olson, Eric E., and T. C. Hawkins, Crafton, Pa. Medicinal preparation. 396,697, July 28, 1942. Republished May 17. Class 6.

Omanoff, Arthur A., doing business under the name of Omanoff Caviar Co., New York, N. Y. Canned imported spratts, canned sardines, canned anchovies, and canned tuna fish. 509,998, May 17; Serial No. 546,321. Class 46.

Omanoff Caviar Co.: *See*— Omanoff, Arthur A.

Omega Chemical Company, Inc.: *See*— Emergency Laboratories.

Omicron Delta Kappa Society, The, Cincinnati, Ohio. News magazine. 436,012, Jan. 20, 1948. Republished May 17. Class 38.

Oneida Ltd., Sherrill and Oneida, N. Y. Silverplated flat tableware. 509,833, May 17; Serial No. 523,985, published Feb. 1, 1949. Class 28.

Oneida Ltd., Sherrill and Oneida, N. Y. Silverplated flat tableware. 509,834, May 17; Serial No. 524,002, published Feb. 1, 1949. Class 28.

Open Road Publishing Company, The, Boston, Mass. Weekly newspaper. 509,827, May 17; Serial No. 518,313, published Jan. 18, 1949. Class 38.

Padgitt Bros. Company, Dallas, Tex. Harness and saddlery, team collars, backbands, hame straps, etc. 260,039, renewed Aug. 13, 1949. O. G. May 17. Class 3.

Page & Dixon Drug Co., Inc., Chicago, Ill. Cold cream, lipstick, cologne, etc. 410,298, Nov. 21, 1944. Canceled. O. G. May 17. Class 6.

Palmer, Mona, executrix and sole trustee of the estate of R. Palmer, Los Angeles, Calif. Magazine. 509,848, May 17; Serial No. 529,390, published Jan. 18, 1949. Class 38.

Palmer, Russell, Estate of: *See*— Palmer, Mona, executrix.

Pamm Freres Montres Lusina S. A. R. L., Geneva, Switzerland. Watches and parts thereof. 509,978, May 17; Serial No. 514,668. Class 27.

Pancofilm, Inc., Chelsea, Mass. Sheet material of vinyl resin resembling artificial leather. 509,845, May 17; Serial No. 528,952, published Jan. 18, 1949. Class 50.

Par Soap Company: *See*— Gordon-Allen Ltd.

Paragon Art & Linen Co. Inc., New York, N. Y. Table place mats of linen, cotton, and rayon. 509,976, May 17; Serial No. 511,829. Class 42.

Pardee, Clara N., Hastings on Hudson, N. Y. Dried beef. 442,706, May 17; Serial No. 520,229, published Dec. 28, 1948. Class 46.

Parfumerie Caron: *See*— Daltroff, E., & Cie.

Parfumerie Roger et Gallet, Societe Anonyme, Paris, France, to Roger & Gallet, New York, N. Y. Perfumery products. 237,727, renewed June 18, 1940. O. G. May 17. Class 6.

Parsons & Baker Company, The, Phoenixville, Pa. Ladies' knit underwear. 97,883, June 23, 1914. Republished May 17. Class 30.

Penn Metal Corporation of Penna., Philadelphia, Pa. Steel lockers, steel cabinets, tool cabinets, etc. 439,199, June 8, 1948. Republished May 17. Class 32.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y., to J. C. Penney Company, New York, N. Y. Cotton canvas work gloves. 253,832, renewed Mar. 5, 1949. O. G. May 17. Class 39.

Peter, Arnold H., to Wallerstein Company, Inc., New York, N. Y. Alkaline solution. 74,148, renewed June 22, 1949. O. G. May 17. Class 6.

Peter Pan Foundations, Inc., New York, N. Y. Brassières. 400,875, Mar. 23, 1943. Republished May 17. Class 39.

Peter Pan Foundations, Inc., New York, N. Y. Girdles and brassières. 417,181, Oct. 16, 1945. Republished May 17. Class 39.

Peter Pan Foundations, Inc., New York, N. Y. Brassière. 413,977, Jan. 15, 1946. Republished May 17. Class 39.

Peterson Nut Company, The, Cleveland, Ohio. Candied and salted nuts and nuts in their natural state. 245,062, Aug. 7, 1928. Republished May 17. Class 46.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic rubber tires. 309,188, Jan. 2, 1934. Canceled. O. G. May 17. Class 35.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes. 388,506, June 24, 1941. Canceled. O. G. May 17. Class 35.

Philadelphia Seed Company, The: *See*— Conklin, Horace E.

Pilgrim Laundry, Inc., The, Brooklyn, N. Y. Laundry, dry-cleaning, shirt repairs, etc. 509,909, May 17; Serial No. 529,295, published Nov. 16, 1948. Class 55.

Pio, Bartolomeo, Philadelphia, Pa. Wines. 419,788, Mar. 5, 1946. Canceled. O. G. May 17. Class 47.

Post Produce Company, Edinburg, Tex. Fresh vegetables. 509,929, May 17; Serial No. 547,658, published July 13, 1948. Class 46.

Prince Matchabelli, Inc.: *See*— Prince Matchabelli Perfumery.

Prince Matchabelli Perfumery, to Prince Matchabelli, Inc., New York, N. Y. Perfumes. 254,122, renewed Mar. 12, 1949. O. G. May 17. Class 6.

Pyramid Rubber Co., The: *See*— Pyramid Rubber Company, The.

Pyramid Rubber Company, The, by The Pyramid Rubber Co., Ravenna, Ohio. Rubber nursing bottle nipples. 300,315, Jan. 10, 1933. Republished May 17. Class 44.

Pyramid Rubber Company, The, by The Pyramid Rubber Co., Ravenna, Ohio. Nursing nipples for babies. 316,309, Aug. 21, 1934. Republished May 17. Class 44.

Quaker Manufacturing Company, Chicago, Ill. Mechanically synchronized air and oil controls. 439,311, June 15, 1948. Republished May 17. Class 34.

Quaker City Chocolate and Confectionery Company, Philadelphia, Pa. Chocolate covered candy bar. 439,047, June 1, 1948. Republished May 17. Class 46.

Quality Frock Company, Los Angeles, Calif., by The Gottfried Company, Cleveland, Ohio. Dresses. 285,105, July 14, 1931. Republished May 17. Class 39.

R E C Sales Company: *See*— R. E. C. Sales Company.

R. E. C. Sales Company, Hollywood, assignor to R E C Sales Company, Los Angeles, Calif. Electrically illuminated advertising sign. 442,709, May 17; Serial No. 523,422, published Feb. 1, 1949. Class 21.

Red Devil Tools: *See*— Smith, Landon P., Inc.

Red Rock Beverage Company: *See*— Lamont, Robert.

Reeves Brothers, Inc., New York, N. Y. Piece goods. 509,955, May 17; Serial No. 534,704, published Jan. 18, 1949. Class 42.

Reeves & Sons, Ltd., Dalston, London, England. Artists' colors. 217,279, Aug. 31, 1926. Republished May 17. Class 16.

Reeves & Sons, Ltd., Dalston, London, England. Mediums, size and varnish for artists' use. 217,290, Aug. 31, 1926. Republished May 17. Class 16.

Reeves & Sons, Ltd., London, England. Pencils, chalk holders, rubber erasers, etc. 225,978, Mar. 29, 1927. Republished May 17. Class 37.

Regal Musical Instrument Co., Chicago, Ill. Tenor guitar, ukulele, banjo, etc. 256,104, renewed May 7, 1949. O. G. May 17. Class 36.

Rents, Fred, Paper Company, Chicago, Ill. Greaseproof and waterproof wrapping paper. 249,791, Nov. 20, 1928. Republished May 17. Class 37.

Republic Food Products Co., doing business as Emmart Food Products Co., Chicago, Ill. Canned foods. 509,851, May 17; Serial No. 530,767, published Jan. 25, 1949. Class 46.

Richardson Company, The, Lockland, Ohio. Molded storage battery boxes. 509,813, May 17; Serial No. 495,989, published Feb. 1, 1949. Class 21.

Rival Foods, Inc., Cambridge, Mass. Canned fruits, canned berries, canned citron and fruit peel, etc. 509,862, May 17; Serial No. 535,351, published Feb. 1, 1949. Class 46.

Rival Foods, Inc., Cambridge, Mass. Canned vegetables, canned tomato juice, canned fruits, etc. 509,863, May 17; Serial No. 535,625, published Feb. 1, 1949. Class 46.

Robbins & Myers, Inc., Springfield, Ohio. Electric fans, electric hoists, electric winches, etc. 509,839, May 17; Serial No. 527,899, published Jan. 18, 1949. Class 21.

Robinson Manufacturing Company: *See*— Elizabeth City Hosiery Co.

Roebling's, John A., Sons Company, Trenton, N. J. Magnet wire. 509,916, May 17; Serial No. 544,284, published Feb. 1, 1949. Class 21.

Roger & Gallet: *See*— Parfumerie Roger et Gallet, Societe Anonyme.

Rope Treat: *See*— Eggeman, Robert G.

Rorer, William H., Inc., Philadelphia, Pa. Liquid preparation for use in the treatment of epidermophytosis. 509,952, May 17; Serial No. 552,924, published Feb. 1, 1949. Class 6.

Royal Battery Corporation, Paterson, N. J. Storage batteries and dry cell batteries. 509,870, May 17; Serial No. 536,450, published Jan. 25, 1949. Class 21.

Rum Company Ltd., Basel, Switzerland. Brandy. 509,990, May 17; Serial No. 540,902. Class 49.

Russell Electric Company, Chicago, Ill. Electrically operated glue pots and electric heating elements. 509,849, May 17; Serial No. 530,256, published Feb. 1, 1949. Class 21.

Rust Craft Publishers: *See*— United Printers and Publishers (Incorporated).

Sadwin Curtain Mfg. Co., Inc., Woonsocket, R. I. Window and shower curtains. 509,960, May 17; Serial No. 555,307, published Feb. 1, 1949. Class 42.

Sage, John, Flushing, N. Y. Device for preventing thumbsucking, nail biting, etc. 509,994, May 17; Serial No. 546,327. Class 44.

Sandeman, Geo. O., Sons & Co. Limited, by Geo. O. Sandeman Sons & Co. Limited, London, England. Wines. 437,108, Mar. 9, 1948. Republished May 17. Class 47.

Sanderson, Arthur, & Sons Limited, London, England. Textile piece goods. 427,060, Jan. 28, 1947. Republished May 17. Class 42.

San Joaquin Fruit Co., Tustin, by Frances Citrus Corporation, Santa Ana, Calif. Fresh citrus fruits. 122,821–2, Sept. 17, 1918. Republished May 17. Class 46.

San Joaquin Fruit Co., Tustin, by Frances Citrus Association, Santa Ana, Calif. Fresh citrus fruits. 123,063, Oct. 8, 1918. Republished May 17. Class 46.

Sawyer Tanning Company, Napa, Calif. Leather. 412,853, Mar. 27, 1945. Republished May 17. Class 1.

Sawyer Tanning Company, Napa, Calif. Leather. 413,312–13, Apr. 17, 1945. Republished May 17. Class 1.

Schaltz, Baujan, & Co., Beardstown, Ill. Wheat flour and corn meal. 509,830, May 17; Serial No. 520,904, published Jan. 25, 1949. Class 46.

Sciafani Brothers, by Joseph L. Sciafani, Inc., Brooklyn, N. Y. Canned vegetables and canned fish. 288,218, Oct. 20, 1931. Republished May 17. Class 46.

Sciafani, Joseph L., Inc.: *See*— Sciafani Brothers.

Scott, Henry L., Company, by Scott Testers, Inc., Providence, R. I. Charts for use on machines for testing the strength or stretch of material. 378,711, June 18, 1940. Republished May 17. Class 26.

Scott Testers, Inc.: *See*— Scott, Henry L.

Sears, Roebuck and Co., Chicago, Ill. Window curtains, draperies, drapery fabrics, etc. 509,932, May 17; Serial No. 549,583, published Jan. 18, 1949. Class 42.

Shattuck, Frank G., Company, New York, N. Y. Candies and cocoa. 509,859, May 17; Serial No. 533,628, published Jan. 18, 1949. Class 46.

Sheboygan Chair Company, by Sheboygan Chair Company, Inc., Sheboygan, Wis. Chairs. 53,813, June 12, 1906. Republished May 17. Class 32.

Sheboygan Chair Company, by Sheboygan Chair Company, Inc., Sheboygan, Wis. Children's high chairs. 396,028, June 23, 1942. Republished May 17. Class 32.

Sheboygan Chair Company, Inc.: *See*— Sheboygan Chair Company.

Shoecraft, Inc., The: *See*— Shoecraft Shop, Inc., The.

Shoecraft Shop, Inc., The, by Shoecraft, Inc., New York, N. Y. Ladies' and misses' leather boots and shoes. 121,832, May 28, 1918. Republished May 17. Class 39.

Siegel, Nathan, doing business as Williamsburg Knitting Mills, assignor to Williamsburg Knitting Mills, Inc., to Williamsburg Knitting Mills, Inc., Brooklyn, N. Y. Undergarments. 253,646, renewed Mar. 5, 1940. O. G. May 17. Class 39.

Sigma Nu Fraternity, Indianapolis, Ind. Chinaware. 437,035, Mar. 2, 1948. Republished May 17. Class 30.

Sigma Nu Fraternity, Indianapolis, Ind. Chinaware. 437,050–60, Mar. 2, 1948. Republished May 17. Class 30.

Simplex Binder Co., New York, N. Y. Rapid calculating books. 509,946, May 17; Serial No. 551,321, published Jan. 18, 1949. Class 38.

Sligh Furniture Company, to Sligh Furniture Company, Grand Rapids, Mich. Wooden household furniture. 251,539, renewed Jan. 8, 1949. O. G. May 17. Class 32.

Smith, Alfred H., Co., New York, N. Y., by Kerkoff, Inc., East Orange, N. J. Perfumes. 70,602–3, Sept. 5, 1908. Republished May 17. Class 6.

Smith, Benjamin D., doing business as Smith Mfg. Co., Utica, N. Y. Insecticides. 257,009, renewed June 11, 1949. O. G. May 17. Class 6.

Smith-Johnson Corporation, Los Angeles, Calif. Lubrication equipment. 427,429, Aug. 27, 1935. Republished May 17. Class 23.

Smith, Landon P., Inc., by Red Devil Tools, Irvington, N. J. Abrasive materials. 335,649, June 9, 1936. Republished May 17. Class 4.

Smith, Landon P., Inc., by Red Devil Tools, Irvington, N. J. Golf tees. 407,683, June 20, 1944. Republished May 17. Class 22.

Smith Mfg. Co.: *See*— Smith, Benjamin D.

Snow Crop Marketers, Inc., New York, N. Y. Frozen vegetables. 421,993, June 25, 1946. Republished May 17. Class 46.

Sobeco Tanneries, Inc., Norcross, Ga. Leather. 260,455, Aug. 27, 1929. Republished May 17. Class 1.

Societe Anonyme des Anciens Etablissements J. M. Paillard, Paris, France. Erasers of rubber or composition materials. 256,051, renewed May 7, 1949. O. G. May 17. Class 37.

Societe Anonyme Dubonnet, Paris, France, by Dubonnet Wine Corporation, New York, N. Y. Appetising-wine. 119,680, Nov. 27, 1917. Republished May 17. Class 47.

Societe D'Electrochimie, D'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France. Aluminous abrasives. 365,345, Mar. 7, 1939. Republished May 17. Class 4.

Sorg Paper Company, The, Middletown, Ohio. Printing paper, writing paper, tag paper, etc. 442,715, May 17; Serial No. 525,966, published Jan. 4, 1949. Class 37.

Southern Welding and Machine Company, Charlottesville, Va. Earth scrapers. 438,675, May 11, 1948. Republished May 17. Class 23.

Southland Coffee Company, Atlanta, Ga. Coffee. 284,980, July 14, 1931. Republished May 17. Class 46.

Southland Coffee Company, Atlanta, Ga. Coffee. 333,628, Mar. 31, 1936. Republished May 17. Class 46.

South St. Louis County News, Affton, Mo. Newspaper. 509,985, May 17; Serial No. 526,707. Class 38.

Spaulding China Company, Inc., New York, N. Y. Chinaware. 442,713, May 17; Serial No. 525,690, published Jan. 18, 1949. Class 30.

Spaulding & Company, Chicago, Ill. Jewelry. 442,700, May 17; Serial No. 500,840, published Jan. 25, 1949. Class 28.

Spencer Thermostat Company, assignor to Metals & Controls Corporation, Attleboro, Mass. 509,977, May 17. Water, steam, and gas valves, Serial No. 527,145, published Mar. 30, 1948. Class 13; magnetic relays and mechanically-actuated electric switches, Serial No. 527,153, published Sept. 21, 1948. Class 21; thermostatic controls for actuating valves and electric switches, Serial No. 527,087, published Dec. 21, 1948. Class 26; gas burners and safety pilots, Serial No. 527,146, published Feb. 17, 1948. Class 34. (Consolidated certificate, Classes 13, 21, 26, and 34.)

Spiliadis, B., & Co., Inc., New York, N. Y. Canned olive oil. 402,201, July 6, 1943. Republished May 17. Class 46.

Spiliadis, B., & Co., Inc., New York, N. Y. Olive oil, canned vegetables, canned fruits, and dried beans. 404,679, Dec. 14, 1943. Republished May 17. Class 46.

Sprague Electric Company, North Adams, Mass. Electrical capacitors. 509,822, May 17; Serial No. 513,602, published Jan. 18, 1949. Class 21.

Spreckles Sugar Company, San Francisco, Calif. Sugar. 259,068, July 23, 1929. Republished May 17. Class 46.

Squirt Company, The, by The Squirt Company, Beverly Hills, Calif. Fresh citrus fruits and canned fruit juices. 358,777, July 8, 1941. Republished May 17. Class 46.

Staley, A. E., Manufacturing Company, Decatur, Ill. Indelible starch. 509,986, May 17; Serial No. 530,128. Class 6.

Stanco Incorporated, to Esso Standard Oil Company, New York, N. Y. Nose and throat spray. 253,502, renewed Feb. 26, 1949. O. G. May 17. Class 6.

Standard Company, Inc., Fall River, Mass. Expansion watch bands. 509,826, May 17; Serial No. 517,746, published Feb. 1, 1949. Class 28.

Standard Milling Company: *See*— Loudonville Milling Company, The.

Standard Transformer Corporation, Chicago, Ill. Fixed and variable transformers, reactors, transmitters, etc. 509,871, May 17; Serial No. 536,457, published Jan. 25, 1949. Class 21.

Stanford Fruit Growers, Inc., Lake Alfred, Fla. Fresh citrus fruit. 509,852, May 17; Serial No. 531,839, published Feb. 1, 1949. Class 46.

Star Company, by The Hearst Corporation, New York, N. Y. Newspaper section. 95,678, Mar. 3, 1914. Republished May 17. Class 38.

Star Company, by The Hearst Corporation, New York, N. Y. Newspaper section. 105,616, Aug. 10, 1915. Republished May 17. Class 38.

Star Company, by The Hearst Corporation, New York, N. Y. Newspaper section. 112,947, Oct. 3, 1916. Republished May 17. Class 38.

Steck Company, The, Austin, Tex. School books. 509,901, May 17; Serial No. 541,776, published Jan. 18, 1949. Class 38.

Stephano Bros., Philadelphia, Pa. Cigarettes and smoking-tobacco. 33,327, re-renewed Aug. 8, 1949. O. G. May 17. Class 17.

Stevens Products, Inc., East Orange, N. J. Cone diaphragm. 509,897, May 17; Serial No. 540,333, published Feb. 1, 1949. Class 21.

Stokely-Van Camp, Inc., Indianapolis, Ind. Canned mixture of green and dry beans. 509,866, May 17; Serial No. 536,008, published Jan. 11, 1949. Class 46.

Stokes, W. H., Milling Co., Watertown, S. Dak., by Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 68,811, Apr. 28, 1908. Republished May 17. Class 46.

Sue Ann Food Products Corporation, Chicago, Ill. Cheese, cheese food and cheese spreads. 509,981, May 17; Serial No. 535,271, published Aug. 24, 1948. Class 46.

Summers, Charles G., Jr., Inc., New Freedom, Pa. Canned cut wax beans, canned white sweet corn, canned lima beans, etc. 434,211, Nov. 11, 1947. Republished May 17. Class 46.

Supercurline Corp., New York, N. Y. Hair waving cream. 380,343, Aug. 20, 1940. Republished May 17. Class 6.

Taylor, K., Distilling Co. Inc., The, Frankfort, Ky. Whiskey. 317,044, Sept. 11, 1934. Canceled. O. G. May 17. Class 49.

Taylor, K., Distilling Co. Inc., The, Frankfort, Ky. Whiskey. 324,469, May 21, 1935. Canceled. O. G. May 17. Class 49.

Taylor, K., Distilling Co. Inc., The, Frankfort, Ky. Whiskey. 326,983, Oct. 15, 1935. Canceled. O. G. May 17. Class 49.

Taylor, K., Distilling Company, Inc., The, Frankfort, Ky. Whiskey, gin, rum, etc. 335,509, June 2, 1936. Canceled. O. G. May 17. Class 49.

Taylor, K., Distilling Co. Inc., The, Frankfort, Ky. Whiskey. 308,401–2, June 20, 1939. Canceled. O. G. May 17. Class 49.

Taylor, K., Distilling Co. Inc., The, Frankfort, Ky. Whiskey. 374,052, Dec. 26, 1939. Canceled. O. G. May 17. Class 49.

Taylor, K., Distilling Co., Incorporated, The, Frankfort, Ky., Whiskey, 375,332, Feb. 13, 1940. Canceled. O. G. May 17. Class 49.

Telematic Corporation, Chicago, Ill. Float controlled liquid level gauging apparatus and parts thereof. 430,605, June 17, 1947. Republished May 17. Class 26.

Terteling Brothers, Incorporated, Madisonville, Ky. Coal. 509,898, May 17; Serial No. 540,341, published Jan. 18, 1949. Class 1.

Thatcher Glass Manufacturing Company, Inc., Elmira, N. Y. Glass milk bottles. 509,865, May 17; Serial No. 535,896, published Jan. 25, 1949. Class 33.

Thomas Publishing Company, New York, N. Y. Periodical. 509,936, May 17; Serial No. 550,460, published Jan. 18, 1949. Class 38.

Thompson, Frank E., Jr., doing business as Woodbeck Publishing Company, Grand Rapids, Mich. Periodical. 509,973, May 17; Serial No. 504,404. Class 38.

Timken-Detroit Axle Company, The: *See*—
Timken-Detroit Company, The.

Timken-Detroit Company, The, to The Timken-Detroit Axle Company, Detroit, Mich. Oil burners. 254,589, renewed Mar. 26, 1949. O. G. May 17. Class 34.

Toppa Plastic Products: *See*—
Abrams, David.

Toy House, The: *See*—
Blackinton, Pauline M.

Trade-Wind Motorfans, Inc., Los Angeles, Calif. Fans and blowers. 368,987, July 11, 1939. Republished May 17. Class 34.

Trade-Wind Motorfans, Inc., Los Angeles, Calif. Fans and blowers. 372,735, Nov. 14, 1939. Republished May 17. Class 34.

Twentieth Century-Fox Film Corporation: *See*—
Fox Film Corporation.

Twentieth Century-Fox Film Corporation, New York, N. Y. Silent, sound, dialogue, and talking motion picture films. 336,090, June 23, 1936. Republished May 17. Class 26.

Twentieth Century-Fox Film Corporation, New York, N. Y. Motion picture camera carriages. 337,897, Aug. 25, 1936. Republished May 17. Class 26.

Twentieth Century-Fox Film Corporation, New York, N. Y. Silent, sound, dialogue, and talking motion picture films. 414,000, May 22, 1945. Republished May 17. Class 26.

Twentieth Century Manufacturing Co.: *See*—
Garberding, Waldo L.

Uncas Manufacturing Company, Providence, R. I. Jewelry. 509,919–20, May 17; Serial Nos. 545,052–3, published Feb. 1, 1949. Class 28.

Union Coal Co., Inc., Rochester, N. Y., by Fire-King Fuel Corporation, Rochester, N. Y., Coke. 326,905, Aug. 13, 1935. Republished May 17. Class 1.

Union Coal Company, Inc., Rochester, N. Y., by Fire-King Fuel Corporation, Rochester, N. Y. Coal. 358,571, July 19, 1938. Republished May 17. Class 1.

United-Carr Fastener Corporation: *See*—
United States Fastener Co.

United Printers and Publishers (Incorporated), doing business as Rust Craft Publishers, Boston, Mass. Greeting cards. 509,949, May 17; Serial No. 551,921, published Jan. 18, 1949. Class 38.

United Shoe Machinery Company, to United Shoe Machinery Corporation, Boston, Mass. Machinery for cutting or trimming parts of boots or shoes; machinery for inserting fastenings, slugs, etc. 72,303, re-renewed Jan. 12, 1949. O. G. May 17. Class 23.

United Shoe Machinery Corporation: *See*—
United Shoe Machinery Company.

United States Fastener Co., Portland, Maine, and Boston, Mass., to United-Carr Fastener Corporation, Cambridge, Mass. Snap fasteners. 72,888, re-renewed Mar. 2, 1949. O. G. May 17. Class 40.

Universal Milking Machine Company, The, Columbus, Ohio, by National Cooperatives, Incorporated, Chicago, Ill. Milking-machines, pulsators, teat-cups, etc. 147,709, Oct. 25, 1921. Republished May 17. Class 23.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Receptacles. 317,873, Oct. 9, 1934. Republished May 17. Class 2.

Vanetta Velvet Corporation, New York, N. Y. Pile and flat fabrics. 509,866, May 17; Serial No. 560,668, published Jan. 18, 1949. Class 42.

Verney Corporation, Boston, Mass. Piece goods. 509,819, May 17; Serial No. 506,944, published Feb. 1, 1949. Class 42.

Vesta Underwear Company: *See*—
Marshall Field & Company.

Victor Chemical Works, Chicago, Ill. Monocalcium phosphate. 509,840, May 17; Serial No. 528,536, published Jan. 11, 1949. Class 46.

Victor Chemical Works, Chicago, Ill. Monocalcium phosphate. 509,841, May 17; Serial No. 528,541, published Jan. 11, 1949. Class 46.

Victor X-Ray Corporation, Chicago, Ill., to General Electric X-Ray Corporation, Milwaukee, Wis. Mixture of barium sulphate with cereal adapted to be used internally. 254,022, renewed Mar. 12, 1949. O. G. May 17. Class 6.

Vulcain Watch Company, Inc., New York, N. Y. Watches. 509,888, May 17; Serial No. 537,957, published Feb. 1, 1949. Class 27.

Wahl, Martin C., Inc., El Centro, Calif. Fresh vegetables and fresh melons. 509,905, May 17; Serial No. 542,896, published Jan. 18, 1949. Class 46.

Walker, W. & H., Inc., doing business as Health Laboratories, Pittsburgh, Pa., by Consolidated Royal Chemical Corporation, Chicago, Ill. Medicines. 249,263, Nov. 13, 1928. Republished May 17. Class 6.

Wallace, R., & Sons Manfg. Co., The, Wallingford, Conn. Silver-plated flatware and hollow ware. 509,860, May 17; Serial No. 535,108, published Feb. 1, 1949. Class 28.

Wallerstein Company, Inc.: *See*—
Peter, Arnold H.

Wall-Streeter Shoe Co., North Adams, Mass. Men's, women's, misses', and children's shoes. 251,242, Jan. 1, 1929. Republished May 17. Class 39.

Warner Electric Brake Manufacturing Company, South Beloit, Ill. Electric cables, connectors, plugs and sockets. 509,842, May 17; Serial No. 528,549, published Jan. 25, 1949. Class 21.

Watts, Ritter & Co., Huntington, W. Va. Printed cotton cloth in the piece. 509,889, May 17; Serial No. 538,204, published Jan. 18, 1949. Class 42.

Waukesha Roxo Company, by Waukesha Roxo Corporation, Milwaukee and Waukesha, Wis. Non-alcoholic, maltless beverages, Tom Collins mixer, etc. 379,853, July 30, 1940. Republished May 17. Class 45.

Waukesha Roxo Corporation: *See*—
Waukesha Roxo Company.

Wawak Company, Inc., Chicago, Ill. Woolen piece goods. 509,997–9, May 17; Serial Nos. 554,056–8. Class 42.

Wayside Gardens Co. Inc., The, Mentor, Ohio. Hardy plants, lilies, imported and native garden bulbs. 231,410, Aug. 16, 1927. Republished May 17. Class 1.

Wayside Gardens Co. Inc., The, Mentor, Ohio. Booklets. 234,100, Oct. 18, 1927. Republished May 17. Class 38.

Wedrick, W. R., Farms, Inc.: *See*—
Wedrick, William R.

Wedrick, William R., by W. R. Wedrick Farms, Inc., Silver Lake, Ind. Onions. 173,946, Oct. 2, 1923. Republished May 17. Class 46.

Weinberg Corporation, Chicago, Ill. Men's suits, coats, vests, etc. 439,024, June 1, 1948. Republished May 17. Class 39.

Wellston Manufacturing Co., The, Wellston, Ohio, by Frick-Gallagher Manufacturing Co., The. Display stands. 192,889, Dec. 16, 1924. Republished May 17. Class 32.

Wesix Electric Heater Co., San Francisco, Calif. Electric space heaters. 509,891, May 17; Serial No. 538,328, published Feb. 1, 1949. Class 21.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; loose leaf filler paper; and envelopes. 442,716, May 17; Serial No. 526,022, published Dec. 9, 1947. Class 37.

Western Family Publishing Company, Los Angeles, Calif. Bi-Monthly magazine. 509,817, May 17; Serial No. 503,685, published Jan. 18, 1949. Class 38.

Westphal, Paul, Incorporated, New York, N. Y. Hair tonic, hair dressing, and liquid dandruff remover preparation. 366,194, Apr. 4, 1939. Republished May 17. Class 6.

Westphal, Paul, Incorporated, New York, N. Y. Hair tonic, hair dressing, and dandruff preparation. 366,813, May 2, 1939. Republished May 17. Class 6.

Whaley-Eaton Corporation, Washington, D. C. Publication. 509,957, May 17; Serial No. 535,130, published Jan. 25, 1949. Class 38.

Wheeling Stamping Company, Wheeling, W. Va. Threaded caps. 509,881–2, May 17; Serial Nos. 537,115–16, published Jan. 18, 1949. Class 50.

Wheel Truing Brake Shoe Company, Detroit, Mich. Brake-shoes. 510,001, May 17; Serial No. 556,748. Class 19.

White, Ray J., Lewiston, Idaho. Services of real estate brokerage, mortgaging and insuring. 510,006, May 17; Serial No. 544,414. Class 55.

Whitehead & Kales Company, Detroit, Mich. Dollies. 509,895, May 17; Serial No. 540,004, published Jan. 4, 1949. Class 19.

Whittier Select Citrus Association, Whittier, Calif. Fresh citrus fruits. 193,048, Dec. 16, 1924. Republished May 17. Class 46.

Widmer's Grape Products Industry, by Widmer's Wine Cellars, Inc., Naples, N. Y. Grape juice. 247,712–14, Oct. 2, 1928. Republished May 17. Class 45.

Widmer's Grape Products Industry, by Widmer's Wine Cellars, Inc., Naples, N. Y. Grape juice. 251,710, Sept. 24, 1929. Republished May 17. Class 45.

Widmer's Wine Cellars, by Widmer's Wine Cellars, Inc., Naples, N. Y. Wine. 308,527, Jan. 18, 1934. Republished May 17. Class 47.

Widmer's Wine Cellars, Inc.: *See*—
Widmer's Grape Products Industry.
Widmer's Wine Cellars.

Widmer's Wine Cellars, Inc., Naples, N. Y. Wines. 314,198–200, June 19, 1934. Republished May 17. Class 47.

Widmer's Wine Cellars, Inc., Naples, N. Y. Wines. 320,147, Dec. 18, 1934. Republished May 17. Class 47.

Widmer's Wine Cellars, Inc., Naples, N. Y. Wines. 323,225, Apr. 9, 1935. Republished May 17. Class 47.

Widmer's Wine Cellars, Inc., Naples, N. Y. Carbonated wines. 329,117, Oct. 15, 1935. Republished May 17. Class 47.

Will de Laine Hosiery Mills, Inc.: *See*—
Maywood Hosiery Mills, Inc.

Williams, R. C., & Company, Inc.: *See*—
Maison F. Chanvenet S. A.

Williamsburg Knitting Mills: *See*—
Siegel, Nathan.

Williamsburg Knitting Mills, Inc.: *See*—
Siegel, Nathan.

Williamson Candy Company, Chicago, Ill. Sandwich filler. 347,964, July 13, 1937. Canceled. O. G. May 17. Class 46.

Wilson Brothers, Chicago, Ill. Shirts, nightshirts, and pajamas. 254,816, renewed Apr. 2, 1949. O. G. May 17. Class 39.

Wilson Brothers, Chicago, Ill. Negligee shirts, hosiery, and pajamas. 255,121, renewed Apr. 16, 1949. O. G. May 17. Class 39.

Wolf Brothers & Co., Red Lion, Pa. Cigars. 509,916, May 17; Serial No. 544,418, published Jan. 18, 1949. Class 17.

Wolverine Brass Works, Grand Rapids, Mich. Standard and convertible traps, adjustable and universal traps, deep seal and centrifugal traps, etc. 69,312, June 2, 1908. Republished May 17. Class 13.

Wood, John, Manufacturing Company, Inc., Conshohocken and Philadelphia, Pa., and Chicago, Ill. Electric water heaters. 509,906, May 17; Serial No. 543,347, published Feb. 1, 1949. Class 21.

Woodbeck Publishing Company: *See*—
Thompson, Frank E., Jr.

Woolf Brothers, Inc., Kansas City, Mo. Men's and boys' clothing. 228,404, May 31, 1927. Republished May 17. Class 39.

World Toy House, Inc.: *See*—
Blackinton, Pauline M.

Wyeth Incorporated: *See*—
Wyeth, John, & Brother, Inc.

Wyeth, John, & Brother, Inc., to Wyeth Incorporated, Philadelphia, Pa. Laxative confection. 73,189, re-renewed Mar. 30, 1949. O. G. May 17. Class 6.

Yorba Orange Growers Association: *See*—
Associated Anaheim Growers.

Zang, Perry N.: *See*—
Amorskin Corporation.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bedding and sawdust, Kennel. George C. Brown & Company. 248,243, Oct. 16, 1928. Republished May 17.

Bituminous material, Tar-like liquid. Allied Chemical & Dye Corporation. 442,704, May 17; Serial No. 518,864, published Sept. 21, 1948.

Coal. Terteling Brothers, Incorporated. 509,898, May 17; Serial No. 540,341, published Jan. 18, 1949.

Coal. Union Coal Company, Inc. 358,571, July 19, 1938. Republished May 17.

Coal, Bituminous. The Berwind-White Coal Mining Company. 262,462, Oct. 15, 1929. Republished May 17.

Coke. Union Coal Co., Inc. 326,905, Aug. 13, 1935. Republished May 17.

Eggs, baby chicks and live poultry. L. E. Holsinger. 269,755, Apr. 15, 1930. Republished May 17.

Leather. Sawyer Tanning Company. 412,853, Mar. 27, 1945. Republished May 17.

Leather. Sawyer Tanning Company. 413,312–13, Apr. 17, 1945. Republished May 17.

Leather. Sobeco Tanneries, Inc. 260,455, Aug. 27, 1929. Republished May 17.

Limestone, Ground or pulverized. Limestone Products Corporation of America. 434,011–13, Nov. 4, 1947. Republished May 17.

Limestone, Pulverized. Limestone Products Corporation of America. 434,010, Nov. 4, 1947. Republished May 17.

Plants, Hardy, lilies, imported and native garden bulbs. The Wayside Gardens Co. Inc. 231,410, Aug. 16, 1927. Republished May 17.

Rosin. The Newport Company. 267,927–8, Mar. 4, 1930. Republished May 17.

Rosin. The Newport Company. 285,066, July 14, 1931. Republished May 17.

Seeds, Grass, field, and agricultural and seed grains. H. E. Conklin. 237,548, Jan. 10, 1928. Republished May 17.

CLASS 2

Baskets, Paperboard shipping. Kleckhefer Container Company. 309,344, Jan. 9, 1934. Republished May 17.

Cans, Oil. F. I. Jaden. 246,697, Sept. 11, 1928. Republished May 17.

Receptacles. Van Camp Hardware & Iron Company. 317,873, Oct. 9, 1934. Republished May 17.

Sacks, Cotton pickers'. Crawford-Austin Manufacturing Company. 257,349, renewed June 4, 1949. O. G. May 17.

CLASS 3

Harness and saddlery, team collars, backbands, hame straps, etc. 260,039, renewed Aug. 13, 1949. O. G. May 17.

Holders, Identification tag. D. Abrams. 509,984, May 17; Serial No. 524,273.

CLASS 4

Abrasive materials. Landon P. Smith, Inc. 335,649, June 9, 1936. Republished May 17.

Abrasives, Aluminous. Societe d'Electrochimie, d'Electrometallurgie et des Aciéries Electriques d'Ugine. 365,845, Mar. 7, 1939. Republished May 17.

Cleaning compound. R. Batea. 509,983, May 17; Serial No. 524,105.

Cleanser and detergent. The H. D. Lee Company, Incorporated. 419,594, Feb. 26, 1946. Republished May 17.

Cleanser in cake form, Household. The Bon Ami Company. 510,004, May 17; Serial No. 575,512.

Dressing, Liquid. R. G. Eggeman. 509,988, May 17; Serial No. 537,669.

Soaps. Amorskin Corporation. 249,586, Nov. 20, 1928. Republished May 17.

Soap, Granulated laundry. Gordon-Allen Ltd. 284,755, July 7, 1931. Republished May 17.

CLASS 6

Alkaline solution. A. H. Peter. 74,148, re-renewed June 22, 1949. O. G. May 17.

Antiseptic. W. D. Hall. 253,499, renewed Feb. 26, 1949. O. G. May 17.

Appetizer, Mineral, and condition powders. The Barker, Moore & Mein Co., Inc. 274,678, Sept. 2, 1930. Republished May 17.

Canned fruits and vegetables, canned apple sauce, etc. The Chicago Dietetic Supply House, Inc. 386,722, Apr. 22, 1941. Republished May 17.

Cold cream, lipstick, cologne, etc. Page & Dixon Drug Co., Inc. 410,268, Nov. 21, 1944. Canceled. O. G. May 17.

Confection, Laxative. John Wyeth & Brother, Inc. 73,189, re-renewed Mar. 30, 1949. O. G. May 17.

Face and toilet powders. E. Daltroff & Cie. 333,448, Mar. 24, 1936. Republished May 17.

Face cream. Amorskin Corporation. 249,775, Nov. 20, 1928. Republished May 17.

Face creams. A. W. Curtis, Jr. 509,829, May 17; Serial No. 520,619, published Dec. 14, 1948.

Hair tonic, hair dressing, and dandruff preparation. Paul Westphal, Incorporated. 366,813, May 2, 1939. Republished May 17.

Hair tonic, hair dressing, and liquid dandruff remover preparation. Paul Westphal, Incorporated. 366,194, Apr. 4, 1939. Republished May 17.

Hair waving cream. Supercurline Corp. 380,343, Aug. 20, 1940. Republished May 17.

Insecticide. Liquid Veneer Corporation. 294,353, May 24, 1932. Republished May 17.

Insecticide. McCormick & Co., Incorporated. 244,124, July 10, 1928. Republished May 17.

Insecticides. B. D. Smith. 257,609, renewed June 11, 1949. O. G. May 17.

Leg make-up. Consolidated Royal Chemical Corporation. 509,923, May 17; Serial No. 545,346, published Feb. 1, 1949.

Lotion, Skin, and an antiseptic toilet cream. M. Noveck. 246,132, Sept. 4, 1928. Republished May 17.

Medicinal pills. The Doods Medicine Company Limited. 317,211, Sept. 18, 1934. Republished May 17.

Medicinal preparation. Davis and Lawrence Co. 54,100, June 19, 1906. Republished May 17.

Medicinal preparation. E. R. Olson, and T. C. Hawkins. 396,697, July 28, 1942. Republished May 17.

Medicines. W. & H. Walker, Inc. 249,263, Nov. 13, 1928. Republished May 17.

Mixture of barium sulphate with cereal adapted to be used internally. Victor X-Ray Corporation. 254,022, renewed Mar. 12, 1949. O. G. Mar. 17.

Perfume, toilet water, face powder, etc. Coty, Inc. 184,091, May 20, 1924. Republished May 17.

Perfumery. Haarmann-De Laire-Schaefer Co. 41,631, Dec. 8, 1903. Republished May 17.

Perfumery and flavoring products. Haarmann-De Laire-Schaefer Co. 41,630, Dec. 8, 1903. Republished May 17.

Perfumery products. Parfumerie Roger et Gallet, Societe Anonyme. 257,727, renewed June 18, 1949. O. G. May 17.

Perfumes. Prince Matchabelli Perfumery. 254,122, renewed Mar. 12, 1949. O. G. May 17.

Perfumes. Alfred H. Smith Co. 70,592–3, Sept. 15, 1908. Republished May 17.

Perfumes, toilet water, hair tonic, etc. E. J. Fay. 255,667, renewed Apr. 30, 1949. O. G. May 17.

Pine oil. The Newport Company. 296,992, Aug. 30, 1932. Republished May 17.

Pine oil. The Newport Company. 296,994, Aug. 30, 1932. Republished May 17.

Poison, Animal and insect. Buffalo Specialty Company. 226,073, Mar. 29, 1927. Republished May 17.

Pomades and toilet ointments, preparations for the teeth and hair, bath salts, etc. W. J. Bush & Company Limited. 257,880, renewed June 18, 1949. O. G. May 17.

Preparation for external application. J. F. Gipson. 509,816, May 17; Serial No. 499,704, published Jan. 25, 1949.

Preparation for use in the treatment of epidermophytosis, Liquid. William H. Rorer, Inc. 509,952, May 17; Serial No. 552,024, published Feb. 1, 1949.

Remedy for eruptional skin diseases. Emergency Laboratories. 74,724, re-renewed Aug. 3, 1949. O. G. May 17.

Rouge, lipstick and nail polish. Elisabeth Arden Sales Corporation. 510,003, May 17; Serial No. 561,285.

Salves, Healing, for external application. W. H. McCree. 250,058, renewed Nov. 27, 1948. O. G. May 17.

Spray, Nose and throat. Stanco Incorporated. 253,562, renewed Feb. 26, 1949. O. G. May 17.

Starch, Indelible. A. E. Staley Manufacturing Company. 509,966, May 17; Serial No. 530,128.

Toilet creams. Charles of the Ritz, Inc. 365,361, Mar. 7, 1939. Republished May 17.

Yeast for medical and chemical uses. Aktieselskabet De Danske Spritfabrikker. 192,109. Nov. 25, 1924. Republished May 17.

CLASS 9

Pads, Gun recoil, gun butt extension spacer and gun butt plates. Mershon Co., Inc. 438,519, Apr. 27, 1948. Republished May 17.

CLASS 10

Fertilizers and fertilizer materials. Nitrate Agencies Company. 259,170, renewed July 23, 1949. O. G. May 17.

CLASS 12

Cellular material. Dowell Incorporated. 509,823, May 17; Serial No. 514,109, published Jan. 25, 1949.

Felt, Weather strip. American Felt Company. 509,934, May 17; Serial No. 550,205, published Jan. 25, 1949.

CLASS 13

Bowls, pans, pots, kettles, etc., Base-metal. Edward Katzinger Company. 252,992, renewed Feb. 19, 1949. O. G. May 17.

Fasteners, Slide. Conmar Products Corporation. 324,689, May 28, 1935. Republished May 17.

Fasteners, Slide. Conmar Products Corporation. 374,106, Jan. 2, 1940. Republished May 17.

Fasteners, Slide. Conmar Products Corporation. 375,306, Feb. 13, 1940. Republished May 17.

Iron, Strapping. Edward Katzinger Company. 258,411, renewed July 9, 1949. O. G. May 17.

Pie plates, cake pans, and household culinary molds, Base-metal. Edward Katzinger Company. 252,975, renewed Feb. 19, 1949. O. G. May 17.

Plugs for cleaning condenser tubes, Cord. The Garlock Packing Company. 257,033, renewed May 28, 1949. O. G. May 17.

Traps, Standard and convertible, adjustable and universal traps, deep seal and centrifugal traps, etc. Wolverine Brass Works. 69,312, June 2, 1908. Republished May 17.

Valves, Water, steam, and gas. Spencer Thermostat Company. 509,972, May 17; Serial No. 527,145, published Mar. 30, 1948. Consolidated certificate, Classes 13, 21, 26, and 34.

CLASS 14

Articles of cold drawn steel, cold-rolled steel, steel forgings, etc. Jones & Laughlin Steel Company. 73,163, re-renewed Mar. 23, 1940. O. G. May 17.

Sheet metal, plated metal, and metal alloys. Edward Katzinger Company. 258,543, renewed July 9, 1949. O. G. May 17.

CLASS 15

Oils, Lubricating. American Grease Stick Company. 509,981, May 17; Serial No. 518,638.

CLASS 16

Coating, Lustrous transparent. Liquid Veneer Corporation. 356,886, May 17, 1938. Republished May 17.

Colors, Artists'. Reeves & Sons, Ltd. 217,279, Aug. 31, 1926. Republished May 17.

Gloss oils. General Naval Stores Company, Inc. 295,055, June 14, 1932. Republished May 17.

Mediums, size and varnish for artists' use. Reeves & Sons, Ltd. 217,290, Aug. 31, 1926. Republished May 17.

Paint, Ready mixed. Durolith Paint & Varnish Co., Incorporated. 258,544, renewed July 9, 1949. O. G. May 17.

Paints, Liquid and paste, colors in oil, colors in Japan, and dry colors. The Lowe Brothers Company. 65,447, Sept. 24, 1907. Republished May 17.

Polish, Automobile, furniture polish, etc. The American Oil Company. 436,020, Jan. 20, 1948. Canceled. O. G. May 17.

Polish, Automobile, furniture polish, etc. The American Oil Company. 436,033, Jan. 20, 1948. Canceled. O. G. May 17.

Turpentine. The Newport Company. 295,791, July 12, 1932. Republished May 17.

CLASS 17

Cigars. I. Lewis Cigar Manufacturing Company. 509,907–8, May 17; Serial No. 543,488, published Feb. 1, 1949.

Cigars. I. Lewis Cigar Manufacturing Company. 509,909, May 17; Serial No. 543,492, published Feb. 1, 1949.

Cigars. I. Lewis Cigar Manufacturing Company. 509,910–11, May 17; Serial No. 543,493, published Feb. 1, 1949.

Cigars. I. Lewis Cigar Manufacturing Company. 509,912, May 17; Serial No. 543,496, published Feb. 1, 1949.

Cigars. I. Lewis Cigar Manufacturing Company. 509,913, May 17; Serial No. 543,499, published Feb. 1, 1949.

Cigars. P. Lorillard Company. 509,880, May 17; Serial No. 536,924, published Feb. 1, 1949.

Cigars. Marta Cigar Co. 374,019, Dec. 26, 1939. Republished May 17.

Cigars. Marta Cigar Co. 376,370, Mar. 19, 1940. Republished May 17.

Cigars. B. Midulla. 209,384, Feb. 23, 1926. Republished May 17.

Cigars. Wolf Brothers & Co. 509,916, May 17; Serial No. 544,418, published Jan. 18, 1949.

Cigars, Little. Clover Tobacco Co., Inc. 509,938, May 17; Serial No. 550,585, published Feb. 1, 1949.

Cigarettes. Philip Morris & Co. Ltd. Incorporated. 509,939–41, May 17; Serial Nos. 550,717–19, published Feb. 1, 1949.

Cigarettes and smoking-tobacco. Stephano Bros. 33,327, re-renewed Aug. 8, 1949. O. G. May 17.

Cigarettes, smoking tobacco, chewing tobacco, and snuff. Brown & Williamson Tobacco Corporation. 509,937, May 17; Serial No. 550,452, published Feb. 1, 1949.

Tobacco, Smoking. Philip Morris & Co. Ltd. Incorporated. 509,942, May 17; Serial No. 550,720, published Feb. 1, 1949.

CLASS 19

Brake-shoes. Wheel Truing Brake Shoe Company. 510,001, May 17; Serial No. 536,748.

Car wheels, Mine. The Hockensmith Corporation. 509,987, May 17; Serial No. 535,152.

Doilies. Whitehead & Kales Company. 509,895, May 17; Serial No. 540,004, published Jan. 4, 1949.

Propellers. McCauley Corporation. 509,975, May 17; Serial No. 506,179.

Trucks, Floor. W. M. Nutting. 170,547, July 17, 1923. Republished May 17.

Vehicles, Commercial road; passenger road vehicles; and municipal road vehicles. Karrier Motors Limited. 509,979, May 17; Serial No. 516,850.

Vehicles, Passenger road; commercial road vehicles. Karrier Motors Limited. 509,980, May 17; Serial No. 516,852.

CLASS 21

Adapter devices. North American Electric Lamp Company. 358,256, July 5, 1938. Republished May 17.

Batteries, Storage. Nickel Cadmium Battery Corporation. 437,997, Apr. 6, 1948. Republished May 17.

Batteries, Storage, and dry cell batteries. Royal Battery Corporation. 509,870, May 17; Serial No. 536,450, published Jan. 25, 1949.

Cables, Electric, connectors, plugs and sockets. Warner Electric Brake Manufacturing Company. 509,842, May 17; Serial No. 528,549, published Jan. 25, 1949.

Conduits for insulating and mechanical protection of wires and cables, Flexible non-metallic. Insulated Duct & Cable Company. 254,872, renewed Apr. 2, 1949. O. G. May 17.

Cone diaphragm. Stevens Products, Inc. 509,897, May 17; Serial No. 540,333, published Feb. 1, 1949.

Electrical apparatus. A. B. Chance Company. 509,867, May 17; Serial No. 536,236, published Jan. 25, 1949.

Electrical capacitators. Sprague Electric Company. 509,822, May 17; Serial No. 513,692, published Jan. 18, 1949.

Electrically operated glue pots and electric heating elements. Russell Electric Company. 509,849, May 17; Serial No. 530,256, published Feb. 1, 1949.

Fans, Electric, electric hoists, electric winches, etc. Robbins & Myers, Inc. 509,839, May 17; Serial No. 527,809, published Jan. 18, 1949.

Fixtures for electric lights. The Edwin F. Guth Company. 509,838, May 17; Serial No. 527,020, published Aug. 10, 1948.

Furnaces, Industrial heating. George J. Hagan Company. 219,603, Oct. 19, 1926. Republished May 17.

Furnaces, Electric. Ajax Electric Company, Inc. 509,814, May 17; Serial No. 499,186, published Jan. 18, 1949.

Heaters, Electric space. Wesix Electric Heater Co. 509,891, May 17; Serial No. 538,328, published Feb. 1, 1949.

Heaters, Electric water. John Wood Manufacturing Company, Inc. 509,906, May 17; Serial No. 543,347, published Feb. 1, 1949.

Lamp guard, Electric. McGill Manufacturing Company, Inc. 509,820, May 17; Serial No. 510,855, published Feb. 1, 1949.

Lamps, Electric. Deena Products Company. 509,925, May 17; Serial No. 545,020, published Jan. 18, 1949.

Lamps, Fluorescent. Duro-Test Corporation. 509,815, May 17; Serial No. 499,487, published Feb. 1, 1949.

Lighting fixtures, Electric. Litecraft Manufacturing Company. 509,831, May 17; Serial No. 521,911, published Feb. 1, 1949.

Lighting outfits, Christmas tree. E. E. Mendonca. 442,711, May 17; Serial No. 524,660, published Jan. 18, 1949.

Magnet wire. John A. Roebling's Sons Company. 509,915, May 17; Serial No. 544,284, published Feb. 1, 1949.

Molded plastic parts for internal combustion engine ignition systems. General Products Corporation. 509,821, May 17; Serial No. 511,464, published Jan. 25, 1949.

Radio receiving sets. The Fair. 509,868, May 17; Serial No. 536,304, published Jan. 25, 1949.

Radio receiving sets. The Hallicrafters Co. 509,917, May 17; Serial No. 544,726, published Feb. 1, 1949.

Radio receiving sets. The Hallicrafters Co. 509,918, May 17; Serial No. 544,731, published Feb. 1, 1949.

Radio receiving sets. The J. L. Hudson Company. 509,989, May 17; Serial No. 539,519.

Radio receiving sets and parts therefor. National Trading Company, Inc. 442,667, May 17; Serial No. 487,365, published July 23, 1946.

Relays, Magnetic, and mechanically-actuated electric switches. Spencer Thermostat Company. 509,972, May 17; Serial No. 527,153, published Sept. 21, 1948. Consolidated certificate, Classes 13, 21, 26, and 34.

Sign, Electrically illuminated advertising. R. E. C. Sales Company. 442,709, May 17; Serial No. 523,422, published Feb. 1, 1949.

Signs, Electrical display and advertising, and cabinets. Dyer-Gram Mfg., Co., Inc. 509,837, May 17; Serial No. 520,734, published Jan. 18, 1949.

Sleeves, Connecting and terminating, for wires and cables. The National Telephone Supply Company. 509,872–3, May 17; Serial No. 536,628, published Jan. 25, 1949.

Storage battery boxes, Molded. The Richardson Company. 509,813, May 17; Serial No. 495,989, published Feb. 1, 1949.

Telephonic call apparatus, telephonic communication apparatus, electrical public address apparatus, etc. Electro Voice Corporation. 442,699, May 17; Serial No. 498,214, published Apr. 22, 1947.

Transformers, Fixed and variable, reactors, transmitters, etc. Standard Transformer Corporation. 509,871, May 17; Serial No. 536,457, published Jan. 25, 1949.

Tubes, Thermal time delay. Bendix Aviation Corporation. 509,893, May 17; Serial No. 539,258, published Feb. 1, 1949.

Vacuum cleaners and blowers, Portable electric industrial. Ideal Industries, Inc. 509,825, May 17; Serial No. 510,483, published Jan. 18, 1949.

CLASS 22

Card games, bean-bag games, table games, etc. P. M. Blackinton. 255,087, renewed Apr. 30, 1949. O. G. May 17.

Fish bait, Artificial. F. Arbogast. 411,754, Jan. 30, 1945. Republished May 17.

Fish bait, Artificial. F. Arbogast. 414,060, June 19, 1945. Republished May 17.

Fishing flies, Artificial. V. Clark. 427,325–6, Feb. 4, 1947. Republished May 17.

Golf tees. Landon P. Smith, Inc. 407,683, June 20, 1944. Republished May 17.

Toy balloons. Bayshore Industries, Inc. 435,426, Dec. 23, 1947. Republished May 17.

Toy balloons and wind-operated sound emitting toys. Bayshore Industries, Inc. 437,499, Mar. 23, 1948. Republished May 17.

CLASS 23

Bowls, pans, pots, kettles, etc., Base-metal. Edward Katzinger Company. 252,992, renewed Feb. 19, 1949. O. G. May 17.

Cloth laying machines and parts therefor: Cutting Room Appliances Corporation. 438,710, May 11, 1948. Republished May 17.

Cranes and parts thereof, Hoisting. Motor Terminals Company. 254,543, renewed Mar. 26, 1949. O. G. May 17.

Elevators. Humphrey Elevator Co. 176,674, Nov. 27, 1923. Republished May 17.

Files and rasps. Nicholson File Company. 249,815, Nov. 20, 1928. Republished May 17.

Lawn-mowers. Marshall-Wells Hardware Co. 73,540, re-renewed Apr. 27, 1949. O. G. May 17.

Lubrication equipment. Smith-Johnson Corporation. 327,429, Aug. 27, 1935. Republished May 17.

Machinery for cutting or trimming parts of boots or shoes; machinery for inserting fastenings, slugs, etc. United Shoe Machinery Company. 72,303, re-renewed Jan. 12, 1949. O. G. May 17.

Machines for producing type-bars. Mergenthaler Linotype Company. 74,289, re-renewed June 29, 1949. O. G. May 17.

Milking-machines, pulsators, teat-cups, etc. The Universal Milking Machine Company. 147,709, Oct. 25, 1921. Republished May 17.

Presses, Printing. Miller Printing Machinery Co. 255,807, renewed Apr. 30, 1949. O. G. May 17.

Pumps, Tire, and slip-on connections for tire pumps. F. I. Jaden. 176,469, Nov. 27, 1923. Republished May 17.

Reamers. W. L. Garberding. 509,812, May 17; Serial No. 493,295, published Jan. 4, 1949.

Regulators, Hydraulically operated vehicle window, hydraulically operated vehicle seat adjusters, and hydraulic mechanisms. Detroit Harvester Company. 437,427, Mar. 23, 1948. Republished May 17.

Scrapers, Earth. Southern Welding and Machine Company. 438,675, May 11, 1948. Republished May 17.

CLASS 26

Battery charging and testing apparatus, Combination. The Mercury Corporation. 302,137, Dec. 9, 1941. Republished May 17.

Cameras, Photographic. Federal Manufacturing & Engineering Corp. 438,442, Apr. 20, 1948. Republished May 17.

Carriages, Motion picture camera. Twentieth Century-Fox Film Corporation. 337,897, Aug. 25, 1936. Republished May 17.

Charts for use on machines for testing the strength or stretch of material. Henry L. Scott Company. 378,711, June 18, 1940. Republished May 17.

Controls for actuating valves and electric switches, Thermostatic. Spencer Thermostat Company. 509,972, May 17; Serial No. 527,087, published Dec. 21, 1948. Consolidated certificate, Classes 13, 21, 26, and 34.

Films, Moving-picture. Fox Film Corporation. 199,106–7, June 2, 1925. Republished May 17.

Films, Silent, sound, dialogue, and talking motion picture. Twentieth Century-Fox Film Corporation. 336,090, June 23, 1936. Republished May 17.

Films, Silent, sound, dialogue, and talking motion picture. Twentieth Century-Fox Film Corporation. 414,000, May 22, 1945. Republished May 17.

Gauging apparatus and parts thereof, Float controlled liquid level. Telematic Corporation. 430,605, June 17, 1947. Republished May 17.

Generators, Radio frequency signal, for measurement purposes, etc. Measurements Corporation. 382,796, Nov. 12, 1940. Republished May 17.

Lenses, Photographic. Federal Manufacturing & Engineering Corp. 431,059, July 1, 1947. Republished May 17.

Lenses, Photographic. Federal Manufacturing & Engineering Corp. 431,267, July 15, 1947. Republished May 17.

Motion picture films. Fox Hearst Corporation. 288,807, Nov. 3, 1931. Republished May 17.

Motion pictures. Fox-Case Corporation. 239,013, Feb. 21, 1928. Republished May 17.

Motion pictures. Fox Case Corporation. 251,585, Jan. 8, 1929. Republished May 17.

Motion pictures. Fox Case Corporation. 251,605, Jan. 8, 1929. Republished May 17.

CLASS 27

Clocks, watches, and watches and attached watch bracelets. Georg Jensen Inc. 509,818, May 17; Serial No. 504,361, published Feb. 1, 1949.

Watches. Granat Bros., Inc. 509,950, May 17; Serial No. 552,142, published Feb. 1, 1949.

Watches. R. H. Macy & Co., Inc. 509,951, May 17; Serial No. 552,369, published Feb. 1, 1949.
Watches. Vulcain Watch Company, Inc. 509,888, May 17; Serial No. 537,957, published Feb. 1, 1949.
Watches and parts of watches. Pierre Nicolet. 509,953, May 17; Serial No. 553,124, published Feb. 1, 1949.
Watches and parts thereof. Pamm Freres Montres Lusina S. A. R. L. 509,978, May 17; Serial No. 514,668.

CLASS 28

Bands, Expansion watch. Standard Company, Inc. 509,826, May 17; Serial No. 517,748, published Feb. 1, 1949.
Bracelets, Babies'. Bates & Klinke, Inc. 428,725, Apr. 1, 1947. Republished May 17.
Buckles and slides. Hickok Manufacturing Co. Inc. 509,927, May 17; Serial No. 547,548, published Feb. 1, 1949.
Buckles, Shoe. Feich-Anderson Co. 509,946, May 17; Serial No. 551,786, published Feb. 1, 1949.
Flatware, Silver-plated. Dohrmann Hotel Supply Co. 509,903, May 17; Serial No. 542,015, published Feb. 1, 1949.
Flatware, Silver-plated, and hollow ware. The R. Wallace & Sons Manfg. Co. 509,860, May 17; Serial No. 535,108, published Feb. 1, 1949.
Jewelry. Bates & Klinke, Inc. 431,498, July 22, 1947. Republished May 17.
Jewelry. L. & B. Jewelry Manufacturing Company. 509,886, May 17; Serial No. 537,899, published Feb. 1, 1949.
Jewelry. L. & C. Mayers Co., Inc. 509,887, May 17; Serial No. 537,927, published Feb. 1, 1949.
Jewelry. Spaulding & Company. 442,700, May 17; Serial No. 500,840, published Jan. 25, 1949.
Jewelry. Uncas Manufacturing Company. 509,919–20, May 17; Serial Nos. 545,052–3, published Feb. 1, 1949.
Jewelry, Ladies'. Harry S. Bick & Son. 509,947, May 17; Serial No. 551,759, published Feb. 1, 1949.
Jewelry, Non-precious costume. Shirley Marks. 509,943, May 17; Serial No. 550,816, published Feb. 1, 1949.
Tableware, Silverplated flat. Oneida Ltd. 509,833, May 17; Serial No. 523,985, published Feb. 1, 1949.
Tableware, Silverplated flat. Oneida Ltd. 509,834, May 17; Serial No. 524,002, published Feb. 1, 1949.

CLASS 30

Chinaware. Sigma Nu Fraternity. 437,035, Mar. 2, 1948. Republished May 17.
Chinaware. Sigma Nu Fraternity. 437,059–60, Mar. 2, 1948. Republished May 17.
Chinaware. Spaulding China Company, Inc. 442,713, May 17; Serial No. 525,806, published Jan. 18, 1949.
Chinaware, pottery, crockery, etc. China & Glass Distributors, Inc. 509,844, May 17; Serial No. 528,709, published Jan. 18, 1949.

CLASS 32

Chairs. Sheboygan Chair Company. 53,813, June 12, 1906. Republished May 17.
Chairs. Children's high. Sheboygan Chair Company. 396,028, June 23, 1942. Republished May 17.
Chairs, Household, utility tables, dinette tables, etc. W. C. Dinges. 430,029, June 3, 1947. Republished May 17.
Chairs, Office, household, and factory. Artility Metal Products, Inc. 362,887, Dec. 6, 1938. Canceled. O. G. May 17.
Furniture, Household. Jamestown Lounge Company. 380,282–3, Sept. 13, 1938. Republished May 17.
Furniture, Wooden household. Sligh Furniture Company. 251,539, renewed Jan. 8, 1949. O. G. May 17.
Lockers, Steel, steel cabinets, tool cabinets, etc. Penn Metal Corporation of Penna. 439,199, June 8, 1948. Republished May 17.
Stands, Display. The Wellston Manufacturing Co. 192,880, Dec. 16, 1924. Republished May 17.
Stands, Rotary merchandise display. The Frick-Gallagher Manufacturing Co. 308,428, Dec. 5, 1933. Republished May 17.

CLASS 33

Bottles, Glass milk. Thatcher Glass Manufacturing Company, Inc. 509,865, May 17; Serial No. 535,896, published Jan. 25, 1949.

CLASS 34

Air and oil controls, Mechanically synchronised. Quaker Manufacturing Company. 439,311, June 15, 1948. Republished May 17.
Burners, Gas, and safety pilots. Spencer Thermostat Company. 509,972, May 17; Serial No. 527,146, published Feb. 17, 1948. Consolidated certificate, Classes 13, 21, 26, and 34.
Burners, Oil. The Timken-Detroit Company. 254,589, renewed Mar. 26, 1949. O. G. May 17.
Fans and blowers. Trade-Wind Motorfans, Inc. 368,987, July 11, 1939. Republished May 17.
Fans and blowers. Trade-Wind Motorfans, Inc. 372,735, Nov. 14, 1939. Republished May 17.
Refrigerators. McCray Refrigerator Company. 52,105, May 1, 1906. Republished May 17.
Stoves and kitchen-ranges. Marshall-Wells Hardware Co. 72,875, re-renewed Mar. 2, 1949. O. G. May 17.

CLASS 35

Belting, Leather. Graton & Knight Company. 439,072–3, June 1, 1948. Republished May 17.
Hose, Rubber. The Goodyear Tire & Rubber Company. 212,545, May 4, 1926. Republished May 17.
Packings. Crandall Packing Company. 32,487, re-renewed Feb. 7, 1949. O. G. May 17.
Tires and tubes, Pneumatic. The Pharis Tire and Rubber Company. 388,506, June 24, 1941. Canceled. O. G. May 17.
Tires, Pneumatic rubber. The Pharis Tire and Rubber Company. 309,188, Jan. 2, 1934. Canceled. O. G. May 17.

CLASS 36

Guitar, ukulele, banjo, Tenor, etc. Regal Musical Instrument Co. 256,164, renewed May 7, 1949. O. G. May 17.

CLASS 37

Erasers of rubber or composition materials. Societe Anonyme des Anciens Etablissements J. M. Paillard. 256,051, renewed May 7, 1949. O. G. May 17.
Pads, Memorandum, and writing paper. Eaton, Crane & Pike Company. 253,754, renewed Mar. 5, 1949. O. G. May 17.
Paper, Book. Kimberly-Clark Corporation. 439,085, June 1, 1948. Republished May 17.
Paper, Greaseproof and waterproof wrapping. Fred Rentz Paper Company. 249,791, Nov. 20, 1928. Republished May 17.
Paper, Printing, writing paper, tag paper, etc. The Sorg Paper Company. 442,715, May 17; Serial No. 526,966, published Jan. 4, 1949.
Paper, Tympan. Hollingsworth & Whitney Company. 509,869, May 17; Serial No. 536,392, published Sept. 14, 1948.
Paper, Writing, and mailing envelopes. Hampshire Paper Company, Inc. 435,232–3, Dec. 16, 1947. Republished May 17.
Pencils, chalk holders, rubber erasers, etc. Reeves & Sons, Ltd. 225,978, Mar. 29, 1927. Republished May 17.
Tablets, Paper; loose leaf filler paper, and envelopes. Western Tablet & Stationery Corporation. 442,716, May 17; Serial No. 526,022, published Dec. 9, 1947.
Tissue, Toilet. Crown Zellerbach Corporation. 509,991, May 17; Serial No. 542,004.

CLASS 38

Booklets. The Wayside Gardens Co. Inc. 234,109, Oct. 18, 1927. Republished May 17.
Books, Rapid calculating. Simplex Binder Co. 509,946, May 17; Serial No. 551,321, published Jan. 18, 1949.
Books, School. The Steck Company. 509,901, May 17; Serial No. 541,776, published Jan. 18, 1949.
Cards, Greeting. United Printers and Publishers (Incorporated). 509,949, May 17; Serial No. 551,921, published Jan. 18, 1949.
Cards, Greeting, printed greeting folders, calendars, etc. Norcross, Inc. 509,944, May 17; Serial No. 550,820, published Jan. 18, 1949.
Cartoon and comic strip. King Features Syndicate, Inc. 363,172, Dec. 13, 1938. Republished May 17.
Cartoon series. King Features Syndicate, Inc. 366,426, Apr. 11, 1939. Republished May 17.
Cartoons. King Features Syndicate, Inc. 329,624, Nov. 5, 1935. Republished May 17.
Cartoons or comic strips. The Hearst Corporation. 412,113, Feb. 20, 1945. Republished May 17.
Charts for individual analysis for beauty and grooming. Richard Hudnut. 442,708, May 17; Serial No. 522,863, published Jan. 18, 1949.
Letters, symbols, marks, insignia, and similar matter capable of conveying intelligence. Artype, Incorporated 509,850, May 17; Serial No. 530,452, published Jan. 25, 1949.
Magazine. Haire Publishing Company. 510,002, May 17; Serial No. 556,794.
Magazine. M. Palmer. 509,848, May 17; Serial No. 529,399, published Jan. 18, 1949.
Magazine, Bi-monthly. Western Family Publishing Company. 509,817, May 17; Serial No. 503,088, published Jan. 18, 1949.
Magazine, Monthly. The Carolina Farmer Publishing Company, Inc. 509,974, May 17; Serial No. 505,731.
Magazine, News. The Omicron Delta Kappa Society. 430,012, Jan. 20, 1948. Republished May 17.
Magazine, Technical. Gardner Publications, Inc. 509,924, May 17; Serial No. 545,471, published Jan. 25, 1949.
Magazines. Country Press, Inc. 356,672, May 10, 1938. Republished May 17.
Magazines. Fawcett Publications, Inc. 268,108, Mar. 11, 1930. Republished May 17.
Newspaper. South St. Louis County News. 508,985, May 17; Serial No. 525,707.
Newspaper, Weekly. The New York Civil Service Employees' Publishing Company, Inc. 254,283, renewed May 19, 1949. O. G. May 17.

Newspaper, Weekly. The Open Road Publishing Company. 509,827, May 17; Serial No. 518,313, published Jan. 18, 1949.
Newspapers. Journal of Commerce Corporation. 258,747, renewed July 16, 1949. O. G. May 17.
Periodical. Ideal Publishing Corp. 510,000, May 17; Serial No. 555,820.
Periodical. Thomas Publishing Company. 509,936, May 17; Serial No. 550,460, published Jan. 18, 1949.
Periodical. F. E. Thompson, Jr. 509,973, May 17; Serial No. 504,404.
Printed work, Typographical and lithographical. R. A. Manen. 442,705, May 17; Serial No. 518,868, published Jan. 25, 1949.
Publication. Commerce Clearing House, Inc. 509,832, May 17; Serial No. 522,699, published Jan. 18, 1949.
Publication. The Industrial Publishing Company. 509,857, May 17; Serial No. 533,165, published Jan. 25, 1949.
Publication. Marlson & Rosenberg Co., Inc. 352,807, Dec. 7, 1937. Republished May 17.
Publication. Occupational Hazards, Inc. 509,858, May 17; Serial No. 533,195, published Jan. 25, 1949.
Publication. Whaley-Eaton Corporation. 509,957, May 17; Serial No. 555,130, published Jan. 25, 1949.
Publication in the naturs of a directory. The A. N. Marquis Company. 509,921, May 17; Serial No. 545,142, published Jan. 18, 1949.
Publication, Monthly. King Features Syndicate Inc. 339,106, Sept. 22, 1936. Republished May 17.
Section, Newspaper. Star Company. 95,678, Mar. 3, 1914. Republished May 17.
Section, Newspaper. Star Company. 105,616, Aug. 10, 1915. Republished May 17.
Section, Newspaper. Star Company. 112,947, Oct. 3, 1916. Republished May 17.
Series of publications comprising sheet music collections. C. H. Hansen. 442,712, May 17; Serial No. 525,214, published Jan. 25, 1949.
Textbooks, Printed. Murray Hill Books Incorporated. 509,824, May 17; Serial No. 514,128, published Jan. 18, 1949.
Trading stamps. Midwest Utilities Co., Inc. 509,954, May 17; Serial No. 554,319, published Jan. 18, 1949.

CLASS 39

Apparel, Women's ready-to-wear. Marlson & Rosenberg Co., Inc. 356,085, Apr. 12, 1938. Republished May 17.
Boots and shoes, Ladies' and misses' leather. The Shoecraft Shop, Inc. 121,832, May 28, 1918. Republished May 17.
Boots, shoes, and slippers. General Shoe Corporation. 309,966, Aug. 8, 1939. Canceled. O. G. May 17.
Brassiere. Peter Pan Foundations, Inc. 400,675, Mar. 23, 1943. Republished May 17.
Brassière. Peter Pan Foundations, Inc. 418,977, Jan. 15, 1946. Republished May 17.
Brassières, Ladies'. Berger Hosiery Company, Incorporated. 385,682, Mar. 11, 1941. Republished May 17.
Clothing, Men's and boys'. Woolf Brothers, Inc. 228,464, May 31, 1927. Republished May 17.
Coats, blouses, jumpers, etc. Neustadter Bros. 119,354, Nov. 13, 1917. Republished May 17.
Coats, jackets, capes, and scarfs, Ladies' fur. L. Abrams. 509,977, May 17; Serial No. 514,457.
Dresses. Quality Frock Company. 285,105, July 14, 1931. Republished May 17.
Dresses for adults. B. Altman & Co. 334,409, May 5, 1936. Republished May 17.
Girdles and brassières. Peter Pan Foundations, Inc. 417,181, Oct. 16, 1945. Republished May 17.
Gloves, Cotton canvas work. J. C. Penney Company. 253,832, renewed Mar. 8, 1949. O. G. May 17.
Handbags, Ladies'. Marlson & Rosenberg Co., Inc. 356,214, Apr. 19, 1938. Republished May 17.
Hats, Men's and women's felt. The Frank H. Lee Company. 324,338, May 14, 1935. Canceled. O. G. May 17.
Hosiery. B. Altman & Co. 371,522, Sept. 26, 1939. Republished May 17.
Hosiery. Elizabeth City Hostery Co. 87,437, July 16, 1912. Republished May 17.
Hosiery. Elizabeth City Hostery Co. 308,316, Nov. 28, 1933. Republished May 17.
Hosiery. Elizabeth City Hostery Co. 327,276, Aug. 20, 1935. Republished May 17.
Hosiery. Maywood Hosiery Mills, Inc. 423,989, Sept. 17, 1946. Republished May 17.
Overalls. Blocsser-Heynemana Company. 200,660, July 7, 1925. Republished May 17.
Overalls, work coats, dungarees, and work pants, Men's and boys'. Greensboro Overall Company. 413,972, May 22, 1945. Republished May 17.
Overalls, work shirts, and work pants for men and children. Greensboro Overall Company. 373,336, Dec. 5, 1939. Republished May 17.
Overalls, work shirts, and work pants for men and children. Greensboro Overall Company. 381,997, Oct. 15, 1940. Republished May 17.
Overalls, work shirts, jumpers, etc. Alexander Bros. Company. 258,042, renewed June 25, 1949. O. G. May 17.
Panties, slips, chemise, and petticoats, Ladies' and children's. Berger Hosiery Company, Incorporated. 327,232, Aug. 20, 1935. Republished May 17.
Shirts, Men's and boys' dress, negligee, and work. Marlboro Shirt Company, Inc. 339,768, Oct. 20, 1936. Republished May 17.
Shirts, Negligee, hosiery, and pajamas. Wilson Brothers. 265,121, renewed Apr. 16, 1949. O. G. May 17.
Shirts, nightshirts, and pajamas. Wilson Brothers. 254,816, renewed Apr. 2, 1949. O. G. May 17.
Shoes, Men's, women's, misses', and children's. Wall-Streeter Shoe Co. 251,242, Jan. 1, 1929. Republished May 17.
Slips, Ladies'. S. Friedman & Sons. 410,096, Nov. 7, 1944. Republished May 17.
Soles, Leather shoe. Graton & Knight Company. 267,077, renewed May 28, 1949. O. G. May 17.
Suits, coats, vests, etc., Men's. Weinberg Corporation. 439,024, June 1, 1948. Republished May 17.
Suits, Knitted woolen, for boys and girls. B. Altman & Co. 301,195, Feb. 21, 1933. Republished May 17.
Undergarments. N. Siegel. 253,446, renewed Mar. 5, 1949. O. G. May 17.
Underwear, Children's rayon. L. Bernstein. 255,029, renewed Apr. 9, 1949. O. G. May 17.
Underwear, Knitted. Marshall Field & Company. 121,409, Apr. 30, 1918. Republished May 17.
Underwear, Ladies' knit. The Parsons & Baker Company. 97,883, June 23, 1914. Republished May 17.

CLASS 40

Fasteners, Snap. United States Fastener Co. 72,888, renewed Mar. 2, 1949. O. G. May 17.
Needles, Hand knitting, and hand sewing needles. Lily Mills Company. 357,511, June 7, 1938. Republished May 17.
Needles, Hand knitting, and hand sewing needles. Lily Mills Company. 360,002, Sept. 6, 1938. Republished May 17.

CLASS 42

Blankets. W. S. Libbey Company. 268,832, Mar. 18 1930. Republished May 17.
Blankets. W. S. Libbey Company. 316,437, Aug. 28, 1934. Republished May 17.
Blankets. Marshall Field & Company. 509,931, May 17; Serial No. 549,537, published Jan. 18, 1949.
Blankets and cotton and wool mixtures of piece goods. W. S. Libbey Company. 360,066, July 11, 1939. Republished May 17.
Blankets and cotton and wool mixtures of piece goods. W. S. Libbey. 385,064, Feb. 11, 1941. Republished May 17.
Carpets and rugs. Firth Carpet Company. 442,714, May 17; Serial No. 525,816, published Jan. 18, 1949.
Carpets and rugs, Textile. The Magee Carpet Company. 509,922, May 17; Serial No. 545,271, published Jan. 25, 1949.
Cloth, Coated and waterproofed. Joanna Western Mills Company. 509,878–9, May 17; Serial No. 536,820, published Jan. 18, 1949.
Cloth, Diaper, cheesecloth and sheetings. The Kendall Company. 509,864, May 17; Serial No. 535,714, published Feb. 1, 1949.
Cloth, Label. Joanna Western Mills Company. 509,876, May 17; Serial No. 536,811, published Feb. 1, 1949.
Cloth, Label. Joanna Western Mills Company. 509,877, May 17; Serial No. 536,814, published Jan. 18, 1949.
Cloth, Printed cotton, in the piece. Watts, Ritter & Co. 509,889, May 17; Serial No. 536,204, published Jan. 18, 1949.
Cloth, Tag. Joanna Western Mills Company. 509,874–5, May 17; Serial No. 536,808, published Jan. 18, 1949.
Cloths, Knitted and woven. Continental Mills, Inc. 509,930, May 17; Serial No. 548,801, published Jan. 25, 1949.
Cloths, Shroud. The Cincinnati Cotton Prodbcts Company. 509,885, May 17; Serial No. 537,872, published Jan. 18, 1949.
Curtains, Shower. House Beautiful Curtains, Inc. 509,945, May 17; Serial No. 551,276, published Jan. 18, 1949.
Curtains, Window, Cortley Curtain Corporation. 509,963, May 17; Serial No. 560,319, published Jan. 18, 1949.
Curtains, Window and shower. Sadwin Curtain Mfg. Co., Inc. 509,960, May 17; Serial No. 555,307, published Feb. 1, 1949.
Curtains, Window, draperies, drapery fabrics, etc. Sears, Roebuck and Co. 509,932, May 17; Serial No. 549,583, published Jan. 18, 1949.
Fabric, Rubberized. W. S. Libbey Company. 308,362, Dec. 5, 1933. Republished May 17.
Fabrics. Harry Goldinger Textile Corporation. 509,933, May 17; Serial No. 549,728, published Jan. 18, 1949.
Fabrics, Broadcloth, in the piece. Dumari Textile Co., Inc. 509,836, May 17; Serial No. 525,802, published Jan. 18, 1949.
Fabrics in the piece. Edgar Rice Burroughs Inc. 324,000, May 7, 1935. Canceled. O. G. May 17.
Fabrics in the piece, Textile. Capitol Fabrics, Inc. 509,962, May 17; Serial No. 556,245, published Feb. 1, 1949.
Fabrics in the piece, Textile. Folker Fabrics Corporation. 509,902, May 17; Serial No. 541,827, published Feb. 1, 1949.

Fabrics in the piece, Woolen textile. The Atlantic Mills. 233,309–10, Sept. 27, 1927. Republished May 17.
Fabrics, Knitted and woven. Kilburn Mills. 509,985, May 17; Serial No. 560,480, published Jan. 18, 1949.
Fabrics, Nylon and silk satin. Malibu Fabrics, Inc. 442,703, May 17; Serial No. 515,270, published Jan. 25, 1949.
Fabrics of wool, Coat and suit. Forstmann & Huffmann Company. 256,389, renewed May 14, 1949. O. G. May 17.
Fabrics, Pile and flat. Vanetta Velvet Corporation. 509,966, May 17; Serial No. 560,668, published Jan. 18, 1949.
Fabrics, Plastic coated textile. Columbus Coated Fabrics Corporation. 442,702, May 17; Serial No. 505,890, published Jan. 25, 1949.
Films, Transparent or translucent plastic, in the nature of piece goods. The Firestone Tire & Rubber Company. 442,096, May 17; Serial No. 478,749, published Jan. 18, 1949.
Mats of linen, cotton, and rayon, Table place. Paragon Art & Linen Co. Inc. 509,976, May 17; Serial No. 511,829.
Piece goods. Burlington Mills Corporation. 509,958, May 17; Serial No. 555,150, published Feb. 1, 1949.
Piece goods. Burlington Mills Corporation. 509,950, May 17; Serial No. 555,153, published Feb. 1, 1949.
Piece goods. Arthur S. Heiman, Inc. 509,950, May 17; Serial No. 555,097, published Feb. 1, 1949.
Piece goods. Manx Tweed (Manufacturing) Company Limited. 509,928, May 17; Serial No. 547,643, published Jan. 25, 1949.
Piece goods. Reeves Brothers, Inc. 509,955, May 17; Serial No. 554,704, published Jan. 18, 1949.
Piece goods. Verney Corporation. 509,819, May 17; Serial No. 508,944, published Feb. 1, 1949.
Piece goods, bedspreads, draperies, etc. Burlington Mills Corporation. 509,900, May 17; Serial No. 541,080, published Jan. 18, 1949.
Piece goods, Cotton. Dan River Mills, Incorporated. 509,904, May 17; Serial No. 560,451, published Jan. 18, 1949.
Piece goods, Rayon. Arthur S. Heiman, Inc. 509,982, May 17; Serial No. 518,952.
Piece goods, Textile. Arthur Sanderson & Sons Limited. 427,060, Jan. 28, 1947. Republished May 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 253,075, renewed Feb. 19, 1949. O. G. May 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 253,920–1, renewed Mar. 12, 1949. O. G. May 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 254,457–8, renewed Mar. 26, 1949. O. G. May 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 254,693, renewed Mar. 26, 1949. O. G. May 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 255,145, renewed Apr. 16, 1949. O. G. May 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 255,253–8, renewed Apr. 16, 1949. O. G. May 17.
Piece goods, Woolen. Forstmann & Huffmann Company. 257,068, renewed May 28, 1949. O. G. May 17.
Piece goods, Woolen. Wawak Company, Inc. 509,997–9, May 17; Serial Nos. 554,056–8.
Piece goods, Woolen and worsted. Botany Worsted Mills. 363,371, Dec. 20, 1938. Republished May 17.
Rugs and carpets, Textile. Nye-Wait Company, Inc. 509,926, May 17; Serial No. 546,144, published Jan. 18, 1949.
Rugs, Pile. R. G. Miller, Inc. 509,996, May 17; Serial No. 552,474.
Sheets, towels, toweling, etc. Institutional Products Company. 509,961, May 17; Serial No. 555,521, published Feb. 1, 1949.
Slip cover material. Crawford Manufacturing Co., Inc. 509,935, May 17; Serial No. 550,219, published Jan. 18, 1949.
Taffeta in the piece, Black silk. The Holmes Silk Company. 70,921, Oct. 13, 1908. Republished May 17.
Woolen and worsted yard goods. Brunswick Worsted Mills, Inc. 509,847, May 17; Serial No. 529,134, published June 8, 1948.

CLASS 43

Cotton, Crochet. Lily Mills Company. 355,633, Mar. 22, 1938. Republished May 17.
Thread, Sewing. Lily Mill and Power Company. 305,781, Aug. 22, 1933. Republished May 17.
Yarn, Machine woolen and worsted knitting. Botany Worsted Mills. 389,757, Aug. 19, 1941. Republished May 17.

CLASS 44

Denture impression material. Coe Laboratories, Inc. 509,992, May 17; Serial No. 554,549.
Device for printing thumb-sucking, nail biting, etc. J. Sage. 509,994, May 17; Serial No. 546,327.
Dilators, Teat. H. W. Naylor. 509,995, May 17; Serial No. 546,415.
Nipples for babies, Nursing. The Pyramid Rubber Company. 316,309, Aug. 21, 1934. Republished May 17.
Nipples, Rubber nursing bottle. The Pyramid Rubber Company. 300,815, Jan. 10, 1933. Republished May 17.

CLASS 45

Beverages, Non-alcoholic maltless. Dew Beverage Co., Inc. 438,547, Apr. 27, 1948. Republished May 17.
Beverages, Nonalcoholic, maltless. F. Guerrera. 509,904, May 17; Serial No. 542,826, published Jan. 4, 1949.
Beverages, Non-alcoholic, maltless. R. Lamont. 438,308, Apr. 20, 1948. Republished May 17.
Beverages, Non-alcoholic, maltless, Tom Collins mixer, etc. Waukesha Roxo Company. 379,853, July 30, 1940. Republished May 17.
Juice, Grape. Widmer's Grape Products Industry. 247,712–14, Oct. 2, 1928. Republished May 17.
Juice, Grape. Widmer's Grape Products Industry. 261,719, Sept. 24, 1929. Republished May 17.

CLASS 46

Beef, Dried. C. N. Pardee. 442,706, May 17; Serial No. 520,229, published Dec. 28, 1948.
Bran, Washed, bran wafers, bran breakfast food, etc. The Chicago Dietectic Supply House, Inc. 220,019, Oct. 26, 1926. Republished May 17.
Bread. Campbell-Taggart Associated Bakeries, Inc. 382,906, Nov. 19, 1940. Republished May 17.
Bread. Fehr Baking Company of Beaumont. 346,104, May 18, 1937. Republished May 17.
Candies. The Chocolate Man, Inc. 438,972, May 25, 1948. Republished May 17.
Candies, and cocoa. Frank G. Shattuck Company. 509,859, May 17; Serial No. 533,023, published Jan. 18, 1949.
Candies, chocolate, ginger bread, etc. Chocolats de la Coupe d'Or, Maison L. Velut Roard & Compagnie, Societe Responsabilite Limitee. 442,707, May 17; Serial No. 521,854, published Feb. 1, 1949.
Candy. E. A. Hoffman Candy Co., Inc. 207,146, Dec. 22, 1925. Republished May 17.
Candy. E. A. Hoffman Candy Co., Inc. 438,104, Apr. 6, 1948. Republished May 17.
Candy. E. A. Hoffman Candy Co. Inc. 509,835, May 17; Serial No. 525,326, published Jan. 25, 1949.
Candy. James Marshall (Devon) Limited. 442,701, May 17; Serial No. 502,446, published Feb. 22, 1949.
Candy. Norris Incorporated. 263,719, Nov. 12, 1929. Republished May 17.
Candy. Norris Incorporated. 348,407, July 27, 1937. Republished May 17.
Candy. Norris Incorporated. 344,411, Mar. 23, 1937. Republished May 17.
Candy. Norris Incorporated. 371,760, Oct. 3, 1939. Republished May 17.
Candy. Norris Incorporated. 386,998, Apr. 29, 1941. Republished May 17.
Candy. Norris Incorporated. 392,790, Jan. 13, 1942. Republished May 17.
Candy. Norris Inc. 509,896, May 17; Serial No. 540,198, published Feb. 1, 1949.
Candy and chocolates. E. A. Hoffman. 187,291, July 29, 1924. Republished May 17.
Candy bar, Chocolate covered. Quaker City Chocolate and Confectionery Company. 439,047, June 1, 1948. Republished May 17.
Candy bars. Mars, Incorporated. 442,698, May 17; Serial No. 497,670, published Nov. 5, 1946.
Canned cut wax beans, canned white sweet corn, canned lima beans, etc. Charles G. Summers, Jr., Inc. 434,211, Nov. 11, 1947. Republished May 17.
Canned fish. F. A. Gosse Company. 297,949, Oct. 4, 1932. Republished May 17, 1949.
Canned foods. Republic Food Products Co. 509,851, May 17; Serial No. 530,787, published Jan. 25, 1949.
Canned fruits. F. M. Ball & Company. 509,899, May 17; Serial No. 540,628, published Jan. 18, 1949.
Canned fruits and vegetables, canned apple sauce, etc. The Chicago Dietectic Supply House, Inc. 386,722, Apr. 22, 1941. Republished May 17.
Canned fruits, canned berries, canned citron and fruit peel, etc. Rival Foods, Inc. 509,862, May 17; Serial No. 535,351, published Feb. 1, 1949.
Canned fruits, canned vegetables, canned fish, etc. Gerber Brothers. 252,969, renewed Feb. 19, 1949. O. G. May 17.
Canned fruits, vegetables, berries, etc. Paul Bunyan Foods, Inc. 361,136, Oct. 11, 1938. Republished May 17.
Canned imported sprats, canned sardines, canned anchovies, and canned tuna fish. A. A. Omanoff. 509,993, May 17; Serial No. 546,321.
Canned mixture of green and dry beans. Stokely-Van Camp, Inc. 509,868, May 17; Serial No. 536,008, published Jan. 11, 1949.
Canned olive oil. B. Spiliadis & Co., Inc. 402,201, July 6, 1943. Republished May 17.
Canned peas, canned corn, coffee, etc. The W. H. Dunne Co. 113,710, Oct. 31, 1916. Republished May 17.
Canned tomato juice and canned vegetables. S. E. W. Friel. 509,914, May 17; Serial No. 543,012, published Feb. 1, 1949.
Canned tuna fish. E. Lasry. 408,431, Aug. 8, 1944. Republished May 17.
Canned vegetables and canned fish. Sciafani Brothers. 288,218, Oct. 20, 1931. Republished May 17.

Canned vegetables, canned fruits, peanut butter, etc. Market Basket Corporation. 509,894, May 17; Serial No. 539,320, published Jan. 25, 1949.
Canned vegetables, canned tomato juice, canned fruits, etc. Rival Foods, Inc. 509,863, May 17; Serial No. 535,625, published Feb. 1, 1949.
Cereal breakfast food. The Battle Creek Food Company. 237,738, Jan. 17, 1928. Republished May 17.
Cheese, cheese food and cheese spreads. Sue Ann Food Products Corporation. 509,861, May 17; Serial No. 535,271, published Aug. 24, 1948.
Coffee. The Great Atlantic and Pacific Tea Company. 259,085, renewed July 23, 1949. O. G. May 17.
Coffee. Southland Coffee Company. 284,960, July 14, 1931. Republished May 17.
Coffee. Southland Coffee Company. 383,628, Mar. 31, 1936. Republished May 17.
Coffee, Blended. Dwinell-Wright Company. 74,922, renewed Aug. 17, 1949. O. G. May 17.
Coffee, Green. B. A. Livierato. 500,892, May 17; Serial No. 538,644, published Jan. 25, 1949.
Coffees, teas, cocoa, etc. India Tea Company. 82,239, June 13, 1911. Republished May 17.
Confectionery generally. H. Helde. 32,606, re-renewed Mar. 21, 1949. O. G. May 17.
Eggs, baby chicks, and live poultry. L. E. Holsinger. 269,755, Apr. 15, 1930. Republished May 17.
Extracts, Flavoring, and mincemeat. Jos. Middleby, Jr., Inc. 111,375, July 11, 1916. Republished May 17.
Feed, Stock. Geo. B. Matthews & Sons. 117,178, June 19, 1917. Republished May 17.
Fish, Fresh. The O'Donnell Company. 249,778, Nov. 20, 1928. Republished May 17.
Flour, Cake. Commander Larabee Cereal Company. 238,658, Feb. 14, 1928. Republished May 17.
Flour, Wheat. The Londonville Milling Company. 509,854, May 17; Serial No. 532,715, published Jan. 11, 1949.
Flour, Wheat. The Londonville Milling Company. 509,855, May 17; Serial No. 532,718, published Jan. 25, 1949.
Flour, Wheat. The Londonville Milling Company. 509,856, May 17; Serial No. 532,722, published Jan. 25, 1949.
Flour, Wheat. W. H. Stokes Milling Co. 66,811, Apr. 28, 1908. Republished May 17.
Flour, Wheat, and corn meal. Schultz, Baojan & Co. 509,830, May 17; Serial No. 520,904, published Jan. 25, 1949.
Food, Low calory dieting. Dietary Foods Company. 329,995, Nov. 19, 1935. Republished May 17.
Fruit, Fresh citrus. Associated Anaheim Growers. 334,111–13, Apr. 21, 1936. Republished May 17.
Fruit, Fresh citrus. Associated Anaheim Growers. 350,962, Oct. 12, 1937. Republished May 17.
Fruit, Fresh citrus. Associated Anaheim Growers. 351,202, Oct. 19, 1937. Republished May 17.
Fruit, Fresh citrus. Bradford Bros., Inc. 373,228, Nov. 28, 1939. Republished May 17.
Fruit, Fresh citrus. Stanford Fruit Growers, Inc. 509,852, May 17; Serial No. 531,859, published Feb. 1, 1949.
Fruits, Fresh citrus. Bradford Bros., Inc. 244,197, July 17, 1928. Republished May 17.
Fruits, Fresh citrus. Chula Vista Citrus Association. 207,929, May 4, 1930. Republished May 17.
Fruits, Fresh citrus. Culbertson Investment Company. 433,738, Oct. 28, 1947. Republished May 17.
Fruits, Fresh citrus. San Joaquin Fruit Co. 122,821–2, Sept. 17, 1918. Republished May 17.
Fruits, Fresh citrus. San Joaquin Fruit Co. 123,063, Oct. 8, 1918. Republished May 17.
Fruits, Fresh citrus. Whittier Select Citrus Association. 193,048, Dec. 16, 1924. Republished May 17.
Fruits, Fresh citrus, and canned fruit juices. The Squirt Company. 388,777, July 8, 1941. Republished May 17.
Fruits, Fresh deciduous. Cowiche Growers, Inc. 205,135, Dec. 17, 1929. Republished May 17.
Gelatin. Crystal Gelatine Company. 70,410, Aug. 25, 1908. Republished May 17.
Gelatin dessert preparation, Flavored. Junior Food Products Co., Inc. 438,070, Apr. 6, 1948. Republished May 17.
Gum, Bubble. Charles Lipson Co. 509,846, May 17; Serial No. 529,062, published Mar. 16, 1948.
Ice cream bars. Frigie Corporation of America. 509,843, May 17; Serial No. 528,713, published Jan. 25, 1949.
Lettuce, Fresh. Du-Bal Packing Company. 442,710, May 17; Serial No. 523,651, published Feb. 1, 1949.
Macaroni. Cumberland Macaroni Mfg. Company. 256,291, renewed May 14, 1949. O. G. May 17.
Marmalade. S. C. Clayton Co., Inc. 509,828, May 17; Serial No. 520,091, published Jan. 11, 1949.
Meat, Fresh. Thomas L. Brown, Ltd. 419,083, Feb. 5, 1946. Republished May 17.
Milk. Henry Becker & Son, Inc. 289,163, Nov. 17, 1931. Republished May 17.
Milk, Fresh, buttermilk, and sour milk. Foremost Dairy Products, Inc. 274,881, Sept. 2, 1930. Republished May 17.
Monocalcium phosphate. Victor Chemical Works. 509,840, May 17; Serial No. 528,536, published Jan. 11, 1949.
Nuts, Candied and salted, and nuts in their natural state. The Peterson Nut Company. 245,002, Aug. 7, 1928. Republished May 17.
Nuts, Salted. E. F. Kemp, Inc. 509,853, May 17; Serial No. 532,706, published Jan. 25, 1949.
Olive oil, canned vegetables, canned fruit, and dried beans. B. Spiliadis & Co., Inc. 404,879, Dec. 14, 1943. Republished May 17.
Olives and maraschino-type cherries. Leverton and Company. 259,438, renewed July 30, 1949. O. G. May 17.
Onions. W. R. Wedrick. 173,946, Oct. 2, 1923. Republished May 17.
Package-tea. Oakford & Fahnestock. 32,516, re-renewed Feb. 21, 1949. O. G. May 17.
Peanut butter. Cream Dove Mfg. Co., Inc. 438,528, Apr. 27, 1948. Republished May 17.
Peanut butter. Jewett & Sherman Company. 387,472, May 20, 1941. Canceled. O. G. May 17.
Perfumery and flavoring products. Haarmann-De Laire-Schaefer Co. 41,630, Dec. 8, 1908. Republished May 17.
Pickles. Mount Olive Pickle Company, Inc. 258,293, renewed July 2, 1949. O. G. May 17.
Pie crust, Prepared. Continental Mills, Inc. 342,890, Feb. 2, 1937. Republished May 17.
Raisins. Diebert Bros. & Snyder. 349,662, Aug. 31, 1937. Republished May 17.
Sandwich filler. Williamson Candy Company. 347,964, July 13, 1937. Canceled. O. G. May 17.
Seasoning, Salt and meat and poultry. Morton Salt Company. 509,883–4, May 17; Serial No. 537,330, published Jan. 25, 1949.
Sugar. Spreckels Sugar Company. 259,008, July 23, 1929. Republished May 17.
Sugar, Cane. Imperial Sugar Company. 268,005, Mar. 4, 1930. Republished May 17.
Syrup, Blended cane and corn. Cairo Syrup Company. 295,822, July 12, 1932. Republished May 17.
Syrup, Cane. Cairo Syrup Company. 295,828, July 12, 1932. Republished May 17.
Syrup, Cane. Cairo Syrup Company. 295,952, July 19, 1932. Republished May 17.
Tea. The Great Atlantic and Pacific Tea Company. 258,480, renewed July 9, 1949. O. G. May 17.
Toast. H. G. Cobbison. 250,962, Dec. 18, 1928. Republished May 17.
Vegetables, Fresh. Abe M. Kats Company. 345,534, Apr. 27, 1937. Republished May 17.
Vegetables, Fresh. John W. Law Co. 437,257, Mar. 9, 1948. Republished May 17.
Vegetables, Fresh. D. F. McBride. 438,078, Apr. 6, 1948. Republished May 17.
Vegetables, Fresh. Nielsen Bros. 427,880, Feb. 25, 1947. Republished May 17.
Vegetables, Fresh. Post Produce Company. 509,929, May 17; Serial No. 547,658, published July 13, 1948.
Vegetables, Fresh, and fresh melons. Martin C. Wahl, Inc. 509,905, May 17; Serial No. 542,896, published Jan. 18, 1949.
Vegetables, Frozen. Snow Crop Marketers, Inc. 421,993, June 25, 1940. Republished May 17.

CLASS 47

Appetizing-wine. Societe Anonyme Dubonnet. 119,560, Nov. 27, 1917. Republished May 17.
Vermouth, American. Lucien Ardin Inc. 389,488, Aug. 5, 1941. Republished May 17.
Wine. Widmer's Wine Cellars. 309,627, Jan. 16, 1934. Republished May 17.
Wine, American aperitif. Lucien Ardin Inc. 389,486, Aug. 5, 1941. Republished May 17.
Wine aperitif. Dubonnet Wine Corporation. 411,845, Feb. 6, 1945. Republished May 17.
Wines. Lucien Ardin Inc. 406,428, Apr. 4, 1944. Republished May 17.
Wines. Lucien Ardin Inc. 418,814, Jan. 8, 1946. Republished May 17.
Wines. Cucamonga Winery. 396,479, July 21, 1942. Republished May 17.
Wines. Dubonnet Wine Corporation. 319,695, Dec. 4, 1934. Republished May 17.
Wines. Maison F. Chauvenet S. A. 319,095–6, Nov. 13, 1934. Republished May 17.
Wines. Maison F. Chauvenet S. A. 320,149–50, Dec. 18, 1934. Republished May 17.
Wines. B. Pio. 419,788, Mar. 5, 1946. Canceled. O. G. May 17.
Wines. Geo. G. Sandeman Sons & Co. Limited. 437,108, Mar. 9, 1948. Republished May 17.
Wines. Widmer's Wine Cellars. 314,198–200, June 19, 1934. Republished May 17.
Wines. Widmer's Wine Cellars, Inc. 320,147, Dec. 18, 1934. Republished May 17.
Wines. Widmer's Wine Cellars, Inc. 323,225, Apr. 9, 1935. Republished May 17.
Wines, Carbonated. Widmer's Wine Cellars, Inc. 329,117, Oct. 15, 1935. Republished May 17.

CLASS 49

Brandy. De Danske Spritfabrikker Aktieselskab. 351,219, Oct. 19, 1937. Republished May 17.
Brandy. Rum Company Ltd. 509,990, May 17; Serial No. 540,902.
Brandy, Cognac. E. Normandin Societe & Co. 314,686, July 3, 1934. Republished May 17.
Liquors, Alcoholic. Aktieselskabet De Danske Spritfabrikker. 339,709, Oct. 20, 1936. Republished May 17.

Whiskey. Denebeim Distilling Company. 438,071, Apr. 6, 1948. Republished May 17.
Whiskey. The K. Taylor Distilling Co. Inc. 317,044, Sept. 11, 1934. Canceled. O. G. May 17.
Whiskey. The K. Taylor Distilling Co. Inc. 324,469, May 21, 1935. Canceled. O. G. May 17.
Whiskey. The K. Taylor Distilling Co. Inc. 328,983, Oct. 15, 1935. Canceled. O. G. May 17.
Whiskey. The K. Taylor Distilling Co., Inc. 368,401–2, June 20, 1939. Canceled. O. G. May 17.
Whiskey. The K. Taylor Distilling Co., Inc. 374,052, Dec. 26, 1939. Canceled. O. G. May 17.
Whiskey. The K. Taylor Distilling Co., Incorporated. 375,332, Feb. 13, 1940. Canceled. O. G. May 17.
Whiskey, gin, rum, etc. The K. Taylor Distilling Company. 335,509, June 2, 1936. Canceled. O. G. May 17.

CLASS 50

Art ware. A. Backer. 509,890, May 17; Serial No. 538,230, published Jan. 18, 1949.
Caps, Threaded. Wheeling Stamping Company. 509,881–2, May 17; Serial No. 537,115, published Jan. 18, 1949.
Covers, Milk bottle. Henry Becker & Son, Inc. 297,353, Sept. 13, 1932. Republished May 17.
Flags, pennants, banners, etc. Dettra Flag Company, Inc. 237,330, Jan. 10, 1928. Republished May 17.
Sheet material of vinyl resin resembling artificial leather. Panesflm, Inc. 509,845, May 17; Serial No. 528,952, published Jan. 18, 1949.

CLASS 55

Cleaning, dyeing, pressing and storing garments and household goods. Bornot, Inc. 509,967–8, May 17; Serial Nos. 528,758–9, published Jan. 25, 1949.
Exploring and discovering, gathering, compiling and disseminating knowledge of the science of the earth and its life, etc. National Geographic Society. 509,970, May 17; Serial No. 531,698, published Jan. 18, 1949.
Laundry, dry-cleaning, shirt repairs, etc. The Pilgrim Laundry, Inc. 509,969, May 17; Serial No. 529,295, published Nov. 16, 1948.
Railroad transportation of passengers and freight. Norfolk and Western Railway Company. 509,971, May 17; Serial No. 531,702, published Jan. 25, 1949.
Real estate brokerage business. Services rendered in the. Asset Realization Company. 510,005, May 17; Serial No. 533,259.
Real estate brokerage, mortgaging and insuring. Services of. R. J. White. 510,006, May 17; Serial No. 544,414.
Rental serivce, Motor car. Drive-A-Car System, Inc. 510,007, May 17; Serial No. 558,478.

LIST OF PLANT PATENTEES

Clarke, W. B., & Co., assignee: *See*—
Clarke, Walter B.
Clarke, Walter B., assignor to W. B. Clarke & Co., San Jose, Calif. Lilac plant. 837, May 17.
Siebenthaler Co., The, assignee: *See*—
Siebenthaler, John D.
Siebenthaler, John D., assignor to The Siebenthaler Co., Dayton, Ohio. Honey locust tree. 836, May 17.

LIST OF DESIGN PATENTEES

Abt, John H., New York, N. Y. Textile fabric. 153,745, May 17.
Alexander, Cecil H., assignor to Zip Clip Knife Corporation, Grand Junction, Colo. Knife or similar article. 153,746, May 17.
Alphabest Products Corporation, assignee: *See*—
Goldbert, Marvin Y.
Anderson, Eric G. O., Cranston, assignor to Everfine Jewelry Manufacturing Company, Providence, R. I. Shell for a bracelet or similar article. 153,747, May 17.
Anderson, Eric G. O., Cranston, assignor to Everfine Jewelry Manufacturing Company, Providence, R. I. Top shell for an expansible bracelet or similar article. 153,748, May 17.
Anderson, Eric G. O., Cranston, assignor to Everfine Jewelry Manufacturing Company, Providence, R. I. Top shell for an expansible bracelet or similar article. 153,749, May 17.
Anderson, Ralph L., New York, N. Y. Lace. 153,750, May 17.
Appie, Merrill K., assignor to McCaldry, Inc., Oakland, Calif. Grinder. 153,751, May 17.
Baker, Joseph E., Newark, Ohio. Front of sign letters or similar article. 153,752, May 17.
Bardach, Paul, Providence, R. I. Jewelry chain. 153,753, May 17.
Bardach, Paul, Providence, R. I. Jewelry chain. 153,754, May 17.
Bardach, Paul, Providence, R. I. Jewelry chain. 153,755, May 17.
Beaver, Basil A., Minneapolis, Minn. Automobile servicing unit. 153,756, May 17.
Belanger, Emile, and G. Mercier, Abuntsic, Montreal, Quebec, Canada. Liquid wax applicator. 153,757, May 17.
Bennett, John A., Tulsa, Okla. Combined hairpin holder and opening fixture. 153,758, May 17.
Birtman Electric Company, assignee: *See*—
Karstadt, Clarence.
Blatt, Armand, New York, N. Y. Atomizer. 153,759, May 17.
Bogan, Eli, New York, N. Y. Handbag. 153,760, May 17.
Boughman, Calvin H., New York, N. Y. Doll head. 153,761, May 17.
Brenner, Edward. Hollywood, Calif. Nursery lamp. 153,762, May 17.
Campbell, Laurie J., Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Desk writing unit. 153,763, May 17.
Chernow, Michael, New York, N. Y. Chain for a bracelet or similar article. 153,764, May 17.
Chroninger, Andrew J., Jackson, Mich. Child's wagon with dump body. 153,765, May 17.
Colcaire, Oscar, assignee: *See*—
Robbiati, Giordano.
Conner, Arthur C., Salt Lake City, Utah. Combined signal light and ash receiver. 153,766, May 17.
Curtis, Conrad J.: *See*—
Hansen, George H., Schroer, and Curtis.
Denis, René, assignor to Societe a Responsabilite Limitee: Franco Continentale des Parfums, Paris, France. Combined perfume bottle and container. 153,767, May 17.
Desky, Donald, Associates, assignee: *See*—
Kirk, Edward H.
Diamant, Herman, New York, N. Y. Shoe or similar article. 153,768, May 17.
Diamant, Herman, New York, N. Y. Shoe or similar article. 153,769, May 17.
Diamant, Herman, New York, N. Y. Shoe or similar article. 153,770, May 17.
Dinhofer, Harry, New York, N. Y. Watch case. 153,771, May 17.
Dinhofer, Harry, New York, N. Y. Watch case. 153,772, May 17.
Dinhofer, Harry, New York, N. Y. Watch case. 153,773, May 17.
Dinhofer, Harry, New York, N. Y. Watch case. 153,774, May 17.
Dubiner, Samuel, Toronto, Ontario, Canada. Pig bank. 153,775, May 17.
Duester, Hans J., assignee: *See*—
Schaeffer, Charles.
Duncan Storm Ltd., Inc., assignee: *See*—
Hageman, Frank P., Mora, and Richardson.
Eastern Jewelry Finding Works, Inc., assignee: *See*—
Hoeckele, Karl F.
Eimmerman, Harry J., New Haven, Conn. Salvage hook. 153,776, May 17.
Eisenberg, Arthur A., assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 153,777, May 17.
Everfine Jewelry Manufacturing Company, assignee: *See*—
Anderson, Eric G. O.
Feldman, Samuel, Brooklyn, N. Y. Combination cap and eye shield. 153,778, May 17.
Fenstermaker, Gerald B.: *See*—
Reese, Edward G., and Fenstermaker.
Ferar, Montgomery: *See*—
Sundberg, Carl W., and Ferar.
Fieres, Angelo J., Hollis, Long Island, N. Y. Handbag frame. 153,779, May 17.
Fletcher, Albert C., Oklahoma City, Okla. Steam cleaner for automobiles or the like. 153,780, May 17.
Florman, Irving, New York, N. Y. Cigarette lighter. 153,781, May 17.
Fox, Alexander P., University City, and A. D. Reisert, assignors to Lincoln Engineering Company, St. Louis, Mo. Cabinet for lubricating equipment. 153,782, May 17.
George, Clifford D., Florence, S. C. Scoop spoon. 153,783, May 17.
Getleiman, Gilbert C., Hartford, Wis., assignor, by mesne assignments, to Hamilton Watch Company, Lancaster, Pa. Display sign. 153,784, May 17.
Giovagnool, Violet, New York, N. Y. Negligee. 153,785, May 17.
Gladstone, Clay A., Los Angeles, Calif. Flask. 153,786, May 17.
Goldberg, Marvin Y., Brooklyn, assignor to Alphabest Products Corporation, New York, N. Y. Picture frame or the like. 153,787, May 17.
Goldberg, Marvin Y., Brooklyn, assignor to Alphabest Products Corporation, New York, N. Y. Picture frame or the like. 153,788, May 17.
Goldfield, Edwin R., and R. C. Schiring, University Heights, assignors to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Housing for X-ray tube and blower. 153,789, May 17.
Goodwin, Wallace A.: *See*—
Osgood, John H., and Goodwin.
Gotliffe, Irving L., New York, assignor to Remsen Lamp Manufacturing Co., Brooklyn, N. Y. Floor lamp base. 153,790, May 17.
Gruettner, Frank H., Buffalo, N. Y. Scrub bucket dolly. 153,791, May 17.
Gulley, Ralph G., assignor to Revlon Products Corporation, New York, N. Y. Bottle. 153,792, May 17.
Hageman, Frank P., Y. I. Mora, and H. C. Richardson, assignors to Duncan Storm Ltd., Inc., Minneapolis, Minn. Combination container for cosmetics and closure therefor. 153,793, May 17.
Hamilton Watch Company, assignee: *See*—
Gettelman, Gilbert C.
Hansen, George H., Mission, Kans., G. J. Schroer, Kansas City, Mo., and C. J. Curtis, Overland Park, Kans., assignors to C. E. Hovey, Kansas City, Mo., trustee. Therapeutic cabinet. 153,794 May 17.
Harrington, King A., San Francisco, Calif. Charm or similar article. 153,795, May 17.
Hefferan, Robert F., assignor to Winters & Crampton Corporation, Grand Rapids, Mich. Stove handle. 153,796, May 17.
Heim, Jacques, Paris, France. Display box. 153,797, May 17.
Helmey, Leo P.: *See*—
Pedersen, Sven, and Neumayer and Helmey.
Hinkson, Clair L., assignor to Hinkson Mfg. Co., Seattle, Wash. Fishing line sinker or the like. 153,798, May 17.
Hinkson Mfg. Co., assignee: *See*—
Hinkson, Clair L.
Hochner, Alex, New York, N. Y. Bag or like receptacle. 153,799, May 17.
Hoeckele, Karl F., Newark, N. J., assignor to Eastern Jewelry Finding Works, Inc. Ear clip finding. 153,800, May 17.

Hoffeditz, Aaron H., Sacramento, Calif. Glow lamp. 153,801, May 17.
Hokinson, Clarence A., Chicago, Ill. Vending machine housing. 153,802, May 17.
Hovey, C. Earl, trustee, assignee: *See*—
Hansen, George H., Schroer, and Curtis.
Huppert, William, New York, N. Y. Electrical push-button cover plate. 153,803, May 17.
Hurd, Edwin P., assignor to Hurd Lock and Manufacturing Company, Detroit, Mich. Combined fishing reel and rod seat. 153,804, May 17.
Hurd Lock and Manufacturing Company, assignee: *See*—
Hurd, Edwin P.
Hussey, Frederick K., New York, N. Y. Portable signal light for motor vehicle or similar article. 153,805, May 17.
Jepson, Ivar, Oak Park, assignor to Sunbeam Corporation, Chicago, Ill. Hedge trimmer. 153,806, May 17.
Karstadt, Clarence, Glen Ellyn, Ill., assignor to Birtman Electric Company. Polisher. 153,807, May 17.
Kaufman, Louis, New York, N. Y. Handbag. 153,808, May 17.
Kim, Young H., assignee: *See*—
Lim, Peter.
Kirk, Edward B., assignor to Donald Deskey Associates, New York, N. Y. Lighting fixture. 153,809, May 17.
Koslap, John J., Garfield, N. J. Combined hairpin receptacle and opener. 153,810, May 17.
Kromex Corporation, assignee: *See*—
Mortrude, Albert D.
Lim, Peter, assignor of one-half to Y. H. Kim, Los Angeles, Calif. Toy pistol. 153,811, May 17.
Lincoln Engineering Company, assignee: *See*—
Fox, Alexander P., and Reisert.
Lusterman, Isidor, New York, N. Y. Umbrella. 153,812, May 17.
Lusterman, Isidor, New York, N. Y. Umbrella. 153,813, May 17.
Major, John, assignee: *See*—
Schaeffer, Charles.
Margolis, Harry, Brooklyn, N. Y. Bubble blowing display device. 153,814, May 17.
Marx, Louis, & Company, Inc., assignee: *See*—
Campbell, Laurie J.
McCaldry, Inc., assignee: *See*—
Apple, Merrill K.
McKee, Raymond J., Brooklyn, N. Y. Finger support for manieuring operations. 153,815, May 17.
Mercier, Gérard: *See*—
Bélanger, Emile, and Mercier.
Mora, Vincent L.: *See*—
Hageman, Frank P., and Richardson.
Mortrude, Albert D., Detroit, Mich., assignor to Kromex Corporation, Cleveland, Ohio. Teakettle. 153,816, May 17.
Mortrude, Albert D., Detroit, Mich., assignor to Kromex Corporation, Cleveland, Ohio. Handle for cooking utensils. 153,817, May 17.
National Silver Company, assignee: *See*—
Eisenberg, Arthur A.
Neptune, Charles B., Los Angeles, Calif. Crutch. 153,818, May 17.
Neumeyer, Fred W.: *See*—
Pedersen, Svend, Neumeyer, and Helmey.
Olszewski, Edward, Detroit, Mich. Picture frame. 153,819, May 17.
Osgood, John H., and W. A. Goodwin, Sierra Madre, Calif. Mold for food patties. 153,820, May 17.
Pedersen, Svend, and F. W. Neumeyer, Chicago, and L. P. Helmey, Clarendon Hills, Ill. Directional signal for motor vehicles or the like. 153,821, May 17.
Perry, James, Mfg. Co., assignee: *See*—
Skipp, Herbert J. A.
Picker X-Ray Corporation, Waite Manufacturing Division, Inc., assignee: *See*—
Goldfield, Edwin R., and Schiring.
Precision Plastic Products, Inc., assignee: *See*—
Riderman, Rudolph.
Pruchnow, Howard J., Summit, N. J. Combined vine holder and wall bracket therefor. 153,822, May 17.
Reese, Edward G., Landisville, and G. B. Fenstermaker, assignors to Reese Padlock Company, Lancaster, Pa. Flexible cable lock. 153,823, May 17.
Reese Padlock Company, assignee: *See*—
Reese, Edward G., and Fenstermaker.
Reisert, August D.: *See*—
Fox, Alexander P., and Reisert.
Remsen Lamp Manufacturing Co., assignee: *See*—
Gotliffe, Irving I.
Revell, Louis A., Los Angeles, Calif. Ash tray. 153,824, May 17.
Revlon Products Corporation, assignee: *See*—
Gulley, Ralph G.
Richardson, Herbert C.: *See*—
Hageman, Frank P., Mora, and Richardson.
Riderman, Rudolph, assignor to Precision Plastic Products, Inc., Chicago, Ill. Television antenna. 153,825, May 17.
Robbiati, Giordano, Milan, Italy, assignor to O. Colcaire, Detroit, Mich., and A. R. Wilson, Washington, D. C. Coffee maker or similar article. 153,826, May 17.
Robbins Company, The, assignee: *See*—
Thoresen, George A.
St. John, Eunice M., Los Angeles, Calif. Lamp stand. 153,833, May 17.
Schaeffer, Charles, Cleveland, Ohio, assignor, by mesne assignments, to J. Major, Chicago, and H. J. Duester, Norward Park Station, Chicago, Ill. Extensible watch bracelet. 153,827, May 17.
Schiring, Ralph C.: *See*—
Goldfield, Edwin R., and Schiring.
Schroer, Gerhard J.: *See*—
Hansen, George H., Schroer, and Curtis.
Sears, Roebuck and Co., assignee: *See*—
Sundberg, Carl W., and Ferar.
Settle, Charles C., Columbus, Ind. Folding jewel chest. 153,828, May 17.
Skipp, Herbert J. A., East Providence, assignor to James Perry Mfg. Co., Providence, R. I. Finger ring. 153,829, May 17.
Skipp, Herbert J. A., East Providence, assignor to James Perry Mfg. Co., Providence, R. I. Finger ring. 153,830, May 17.
Societe a Responsabilite Limitee: Franco Continentale des Parfums, assignee: *See*—
Denis, René.
Solomon, Nathan L., Englewood, N. J. Barrette. 153,831, May 17.
Solomon, Nathan L., Englewood, N. J. Barrette. 153,832, May 17.
Stockdale, David D., Ravenna, Ohio. Wall plaque. 153,834, May 17.
Sunbeam Corporation, assignee: *See*—
Jepson, Ivar.
Sundberg, Carl W., and M. Ferar, Detroit, Mich., assignors to Sears, Roebuck and Co., Chicago, Ill. Drawer pull. 153,835, May 17.
Theoresen, George A., Providence, R. I., assignors to The Robbins Company, Attleboro, Mass. Belt buckle or similar article. 153,836, May 17.
Walsh, John S., San Francisco, Calif. Lighting fixture. 153,837, May 17.
Ward, Emerson A., Detroit, Mich. Child's chair. 153,838, May 17.
Wilson, Arthur R., assignee: *See*—
Robbiati, Giordano.
Winters & Crampton Corporation, assignee: *See*—
Hefferan, Robert F.
Zahora, Paul S., Bloomington, Ind. Key chain. 153,839, May 17.
Zip Clip Knife Corporation, assignee: *See*—
Alexander, Cecil H.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories, assignee: *See*—
Fields, Mack R.
Abbrecht, Hermann R., Shaker Heights, Ohio. Lubricating device. 2,470,386, May 17.
Ackerman, Ernest A., Shaker Heights, Ohio. Socket for miniature bulbs and the like and mounting therefor. 2,470,280, May 17.
Ackley, Robert A., assignor to Republic Flow Meters Company, Chicago, Ill. Ratio control device. 2,470,452, May 17.
Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,470,086, May 17.
Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Expansible chamber hydraulic motor with distributing valve in piston. 2,470,087, May 17.
Adel Precision Products Corp., assignee: *See*—
Paxton, Donald D.
Advance Solvents & Chemical Corporation, assignee: *See*—
Mack, Gerry P.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Gertler, Samuel I.
Airborne Conveyors Corporation, assignee: *See*—
Korn, Arthur H.
Aksomitas, William E., assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for cooling hollow glassware. 2,470,228, May 17.
Aktiebolaget Götaverken, assignee: *See*—
Johannson, Johan E.
Aktiengesellschaft Brown, Boveri & Cie. assignee: *See*—
Pfenninger, Hans.
Aktieselskabet Esab, assignee: *See*—
Madsen, Karl K.
Aldous, Earl B., Gansevoort, N. Y. Pneumatic vehicle suspension. 2,470,676, May 17.
Alexander, Peter, assignor to Wolsey Limited, Leicester, England. Treatment of materials composed partly or wholly of wool or similar fibers. 2,470,453, May 17.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Stabilizer for alternating current power transmission systems. 2,470,454, May 17.
Alford, William H., Winston-Salem, N. C. Electrical splicer. 2,470,423 May 17.
Allan, Archibald, Whitley Bay, and J. Small, Gateshead, assignors to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Spring-operated driving mechanism. 2,470,675, May 17.
Alldredge, Marshall H., Detroit, Mich., assignor to Thompson Products, Inc. Socket assembly. 2,470,205, May 17.
Allingham, Wilber J., Denver, Colo. Preservative coatings for foods. 2,470,281, May 17.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Altorfer, Hans A.
Shaw, Melvin C.
Allmänna Svenska Elektriska Aktiebolaget, assignee: *See*—
Gudmundsson, Erik.
Hedstrom, Sven-Relc, and Lamm.
Alnico, Incorporated, assignee: *See*—
Cook, Ernest E., and Sadler.
Alton Box Board Company, assignee: *See*—
Hollis, Robert F.
Altorfer, Hans A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine construction. 2,470,126, May 17.
Alvos, Dell, Guadalupe, Calif. Preservation of fruits and vegetables. 2,470,424, May 17.
American Brake Shoe Company, assignee: *See*—
Lerner, Earl A.
Spencer, Lee.
American Cyanamid Company, assignee: *See*—
Baker, Bernard R.
Hutchings, Brian L.
Sperry, Russell L.
American Home Products Corporation, assignee: *See*—
Kern, Charles J., and Tabor.
American Laundry Machinery Company, The, assignee: *See*—
Neckel, Edmund N.
American Magnesium Metals Corporation, assignee: *See*—
Carter, Austin G.
American Pulley Company, The, assignee: *See*—
McCloskey, Joseph E.
American Steel Foundries, assignee: *See*—
Clasen, Claus J. W.
Sedgwick, Robert K.
American Telephone and Telegraph Company, assignee: *See*—
Clos, Charles.
American Viscose Corporation, assignee: *See*—
Furness, William H.
Anderson, Charles H., J.: *See*—
Hergmann, Jan, Lamberts, and Anderson.
Anderson, John R.: *See*—
Swietoslawski, Wojciech, and Anderson.
Anderson, Victor E., Pacific, Wash. Patch cutting machine. 2,470,220, May 17.
Anderson, Warren A., Nutley, N. J., assignor to Radio Corporation of America. Synchronous regenerator. 2,470,677, May 17.
Andreasen, Arthur A., and G. M. Rust, Louisville, assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky. Distillation vapor loss detector. 2,470,230, May 17.
Anemostat Corporation of America, assignee: *See*—
Honerkamp, Friederich, and Kurth.
Peterson, Arthur S., and Johnson.
Archer-Daniels-Midland Company, assignee: *See*—
Vanderbilt, Byron M., and Hetcheler.
Archibald, Francis M., Elizabeth, N. J., assignor, by mesne assignments, to Standard Oil Development Company. Distillation of alcohols from aqueous mixtures of alkyl sulfates and sulfuric acid. 2,470,206, May 17.
Armstrong Cork Company, assignee: *See*—
Billmeyer, Bruce R.
Associated Development & Research Corporation, assignee: *See*—
Torkelson, Torkel E.
Wallach, Irving D.
Atlas Toy Company, assignee: *See*—
Gold, Ira.
Atwood, Hyatt B., and C. Fillinger, assignors to Herr Manufacturing Company Inc., Buffalo, N. Y. Spinning ring. 2,470,736, May 17.
Auslender, Pearl, Chicago, Ill. Maternity garment. 2,470,678, May 17.
Autophon Aktiengesellschaft, assignee: *See*—
Tschumi, Otto.
Avila, Charles F., Milton, Mass., assignor to the United States of America as represented by the Secretary of War. Automatic altitude and pressure compensator for aerial camera lenses. 2,470,455, May 17.
Avila, Frank W., Columbia City, Ind., assignor to International Harvester Company. Synchroniser. 2,470,208, May 17.
Asbe Corporation, assignee: *See*—
Asbe, Victor J.
Asbe, Victor J., Webster Groves, assignor to Asbe Corporation, University City, Mo. Calcining apparatus. 2,470,543, May 17.
Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Finishing piezoelectric crystals. 2,470,737, May 17.
Bach, Henry M., Lawrence, assignor to Premier Crystal Laboratories, Incorporated, New York, N. Y. Temperature compensated crystal unit. 2,470,738, May 17.
Baggett, Lee R., Benton, Ark. Pencil sharpener. 2,470,387, May 17.
Ballar, Charles O., and T. L. Spalding, Menasha, assignors to Marathon Corporation, Rothschild, Wis. Tray. 2,470,456, May 17.
Bakelite Corporation, assignee: *See*—
Bender, Howard L., and Farnham.
Baker, Benjamin P.: *See*—
Ludwig, Leon R., Webb, and Baker.
Baker, Bernard R., Nanuet, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Carboxythiophanee and preparing same. 2,470,739, May 17.
Baker, Corwin W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rough rounding machine. 2,470,127, May 17.
Baker, David B.: *See*—
Beckman, William O., and Baker.
Baker, Frederick C., and E. O. Spencer, Portland, Oreg. Mounting for shafts and the like. 2,470,282, May 17.
Ball, Charles O., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Dispensing container having closure locking means. 2,470,388, May 17.
Bancora, Mario E., Rosario, Argentina, assignor to the United States of America as represented by the Secretary of War. Parachute release mechanism. 2,470,457, May 17.
Barber, Edmund A., Jr.: *See*—
Malmros, Gustav V. A., and Barber.
Barger, Fred H., San Fernando, Calif. Door closing device. 2,470,283, May 17.

Barkhuff, Raymond A., Jr., Hazardville, Conn., assignor to Monsanto Chemical Company, St. Louis, Mo. Asphalt molding compositions. 2,470,329, May 17.

Barnes Drill Co., assignee: *See*—
Seberg, Earnest Y.

Barnes, William A.: *See*—
Bauer, Charles A., and Barnes.

Barr, Francis A., Lanreiton, Long Island, N. Y. Protractor. 2,470,458, May 17.

Barrick, Ray E., Baltimore, and A. Morison, Brooklandville, assignors to The Glenn L. Martin Company, Middle River, Md. Airplane wing leading edge construction. 2,470,128, May 17.

Barry, L. N., Company, The, assignee: *See*—
Pleis, Erwin.

Barry, Lawrence N., assignee: *See*—
Pleis, Erwin.

Bauer, Charles A., Newburg, Ind., and W. A. Barnes, Utica, N. Y., assignors to Hoosier Cardinal Corporation, Evansville, Ind. Making grilles for radio sets. 2,470,389, May 17.

Bausch & Lomb Optical Company, assignee: *See*—
Lindgren, Nils, and Roos.

Beal, George M.: *See*—
Schafroth, Werner, and Beal.

Beale, Evelyn S. L., Staines, assignor to Alan Muntz & Company Limited, Hounslow, England. Internal-combustion operated free-piston machine. 2,470,231, May 17.

Bechman, William C., Chicago, and D. B. Baker, Riverside, Ill., assignors to International Harvester Company. Fluid controlled vehicle change-speed steering apparatus. 2,470,209, May 17.

Beech Aircraft Corporation, assignee: *See*—
Harmon, Ralph M.

Beers, Edward E., Brooklyn, N. Y. Dental means and method. 2,470,879, May 17.

Beller, Adam C.: *See*—
Schulman, Earl L., and Beller.

Belser, Arthur L.: *See*—
Miller, Isador, and Belser.

Belsfield, Elsie: *See*—
Belfield, Virgil D. and E.

Belsfield, Virgil D. and E., Elkhorn, Wis. Piano bench. 2,470,330, May 17.

Bell, Harry G., assignor to Gay and Bell, Paris, Ky. Tobacco hogshead. 2,470,459, May 17.

Bell, John F., Chicago, Ill., assignor to Zenith Radio Corporation. Low-frequency drift oscillator. 2,470,425, May 17.

Bell, Joseph D., San Francisco, Calif. Exercising device. 2,470,544, May 17.

Bell Telephone Laboratories, Incorporated, assignee. *See*—
Buchanan, Russell B.

Bellucci, Anthony J.: *See*—
Seymour, George W., White, and Bellucci.

Beloit Iron Works, assignee: *See*—
Hornbostel, Lloyd.

Bemis, Robert E., and J. C. McMillan, Houston, Tex. Screen. 2,470,129, May 17.

Bender, Howard L., and A. G. Farnham, Bloomfield, N. J., assignors to Bakelite Corporation. Caustic resistant etherified phenolformaldehyde resins. 2,470,130, May 17.

Bendix Aviation Corporation, assignee: *See*—
Childs, Robert S.
Daniel, Robert L.
Haase, Elmer A., and Bolt.
Mock, Frank C.
Murphy, Norman B.
Schultz, Harold B.
Thomas, Thomas H., and Price.
Winkler, Albert H., and Wirth.

Benin, Zolmon, Glen Ellyn, Ill., assignor to Zenith Radio Corporation. Spread band tuning circuit. 2,470,426, May 17.

Bennett, Maxwell K., New Westminster, British Columbia, Canada. Priming device. 2,470,232, May 17.

Benning, Anthony F., and R. C. McHarness, Woodstown, N. J., and W. S. Murray, assignors to Kinetic Chemicals, Inc., Wilmington, Del. Purification of crude monofluorodichloromethane. 2,470,088, May 17.

Berger, Emil J., and H. K. West, assignors to Dexdale Hosiery Mills, Lansdale, Pa. Loop regulating mechanism for straight knitting machines. 2,470,131, May 17.

Bergman, William E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Well washing fluid and using the same. 2,470,132, May 17.

Bergmans, Jan, C. A. Lamberts, and C. H. J. Anderson, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Bar system and lamp fitting comprising such a bar system. 2,470,284, May 17.

Berk, F. W., & Company, Inc., assignee: *See*—
Meighan, Meri H., and Brown.

Beuther, Harold, Oakmont, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Cracking hydrocarbon oils. 2,470,660, May 17.

Bieberich, Paul, Fort Wayne, Ind. Machine for lapping wire drawing dies. 2,470,331, May 17.

Biebesheimer, William B., Toledo, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Transformer windings. 2,470,598, May 17.

Bierwirth, Rudolph A.: *See*—
Hoyler, Cyril N., and Bierwirth.

Bierwirth, Rudolph A., Kingston, N. J., assignor to Radio Corporation of America. Radio frequency apparatus for heating metallic articles of large surface area to volume ratio. 2,470,285, May 17.

Bilhuber, E., Inc., assignee: *See*—
Harvill, Edward K., and Herbst.

Billmeyer, Bruce R., assignor to Armstrong Cork Company, Lancaster, Pa. Long draft apron. 2,470,599, May 17.

Bird, Lester F., assignor to Hanovia Chemical and Mfg. Company, Newark, N. J. Wattage controlling system. 2,470,460, May 17.

Birginal, Sylvester J., Chicago, Ill. Blind stitching means. 2,470,286, May 17.

Bitner, Robert J., assignor to Gasket Engineering Co., Inc., Kansas City, Mo. Multiple crystal holder. 2,470,133, May 17.

Bitner, Robert J., assignor to Gasket Engineering Co., Inc., Kansas City, Mo. Temperature controlled oven for dual quartz crystals. 2,470,134, May 17.

Black, Lloyd V., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Manufacturing glass. 2,470,461, May 17.

Blackburn Aircraft Limited, assignee: *See*—
Campbell, Thomas C., and Hall.

Blackwell, Preston J., Emerson, N. J., assignor, by mesne assignments, to Robert Gair Company, Inc., New York, N. Y. Egg candling booth. 2,470,462, May 17.

Blake, Edward S., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing rubber. 2,470,545, May 17.

Blech, Henry, assignee: *See*—
Skala, Ljubomir W.

Bogart, Marcel J. P.: *See*—
Brunjes, Austin S., and Bogart.

Bollaert, Armand It., Palos Verdes Estates, and G. G. Halvorsen, Manhattan Beach, Calif., assignors to Great Lakes Carbon Corporation. Decolorization and clarification of sugar liquors. 2,470,332, May 17.

Bolt, Jay A.: *See*—
Haase, Elmer A., and Bolt.

Bonine, Ralph O.: *See*—
Easley, Gilbert J., and Bonine.

Booth, Jack J., Dallas, Tex. Molding plastic shoes. 2,470,089, May 17.

Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. High-angle joint assembly. 2,470,210, May 17.

Borg-Warner Corporation, assignee: *See*—
Lauck, John A.
Roth, Jay M.

Bossard, Gisbert L., Cleveland, Ohio. Electric chime device. 2,470,600, May 17.

Bostock, Godfrey S., Thrall, and T. G. Sharples, Stafford, England. Adjustable cutting and marking die. 2,470,135, May 17.

Botten, John B., Chagrin Falls, Ohio. Magazine feedbox. 2,470,463, May 17.

Bowditch, Hoel L., Sharon, assignor to The Foxboro Company, Foxboro, Mass. Zero adjustment means. 2,470,333, May 17.

Bowie, Robert M., Emporium, Pa., assignor to Sylvania Electric Products Inc. Timing and phase control circuits. 2,470,464, May 17.

Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Festoon bracket. 2,470,283, May 17.

Boye, James H., Manufacturing Company, assignee: *See*—
Boye, James H.

Boye Needle Company, The, assignee: *See*—
Carlson, Gustav A.

Boynton, Alexander, deceased, San Antonio, Tex.; S. S. Martin, executrix. Flow intermitter for cased wells. 2,470,681, May 17.

Bozeman, Virgil F., Sr., Moline, C. W. Walz and R. D. Griff, Rock Island, and H. F. Clausen, assignors to Deer & Company, Moline, Ill. Beet harvester. 2,470,211, May 17.

Bramberry, Harry M., New Castle, Ind. Composition for treating metallic wear surfaces. 2,470,136, May 17.

Breese Burners, Inc., assignee: *See*—
Breese, James L.
Breese, James L., and Hayter.
Hayter, Bruce, and Hnston.

Breese, James L., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Liquid fuel burner with vaporizing assembly. 2,470,682, May 17.

Breese, James L., and B. Hayter, assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Vertical semicylindrical burner. 2,470,683, May 17.

Breese, James L., and B. Hayter, assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Two-level float valve structure. 2,470,684, May 17.

Brewer, Nathaniel, Newtown, assignor to Fischer & Porter Company, Hatboro, Pa. Apparatus for forming precision-bore tubing or the like. 2,470,234, May 17.

Briggs, Arthur J.: *See*—
Parmelee, Clifford H., and Briggs.

Briggs, Rufus L., Melrose, assignor to Raytheon Manufacturing Company, Newton, Mass. Alternating current load indicator. 2,470,334, May 17.

Bristol Aeroplane Company, Limited, The, assignee: *See*—
Diaper, Cecil T.

Brodie, Damon D., Los Angeles, Calif. Electrical scale. 2,470,427, May 17.

Broersen, Frank L., G. E. Wauda, and R. Kuehl, Neenah, assignors to Marathon Corporation, Rothschild, Wis. Frozen food package. 2,470,465, May 17.

Bromert, Leo J., Hutchinson, Kans. Lawn mower sharpener. 2,470,335, May 17.

Bronson, Edward A.: *See*—
Crowder, Harry Q. E., and Bronson.

Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Key case. 2,470,466, May 17.

Brown, George F., Tulsa, Okla. Wheel and tire applying device. 2,470,685, May 17.

Brown, Kenneth N.: *See*—
Meighan, Meri H., and Brown.

Brown, Morris R., McMinnville, Oreg. Steering means for power-driven surf-boards. 2,470,137, May 17.

Browning, Charles B., Vallejo, Calif. Tamperproof mailbox. 2,470,138, May 17.

Brownlee, Allen L., assignor to Wico Electric Company, West Springfield, Mass. Stator unit for flywheel magneton. 2,470,467, May 17.

Brunjes, Austin S., Plandome, N. Y., and M. J. P. Bogart, Teaneck, N. J., assignors to The Lummus Company, New York, N. Y. Halogenation of aromatic hydrocarbons. 2,470,336, May 17.

Bryson, Bert B., and M. A. Coleman, Kilgore, Tex. Snatch block. 2,470,686, May 17.

Buchanan, Russell B., Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground trainer for aircraft. 2,470,468, May 17.

Bucky, Peter A., Flushing, and P. Sarason, assignors to Tell-A-Turn Corporation, New York, N. Y. Sequence indication apparatus. 2,470,469, May 17.

Burke, John R., Pawtucket, R. I. Dust collecting apparatus. 2,470,601, May 17.

Burrell, Benjamin S., East Chicago, Ind. Coiling machine for strip material. 2,470,235, May 17.

Buxton, Incorporated, assignee: *See*—
Broughton, Douglas J.

Cafrella, Orazio O., and J. E. Velour, Medford, Mass. Antenna belt and radio receiver. 2,470,587, May 17.

California Hacienda Machinery and Supply Company, Ltd., assignee: *See*—
Ostling, William.

California Research Corporation, assignee: *See*—
Clausesen, William H., and Shiffer.

California Spray-Chemical Corporation, assignee: *See*—
Hansen, James W., and Cassil.

Camp, Elsa Q., Goose Creek, Tex., assignor to Standard Oil Development Company. Suppression of corrosive action of carbonic acid. 2,470,428, May 17.

Campbell, Arthur W., Wheaton, Ill., assignor to the United States of America as represented by the Secretary of War. Camera shutter. 2,470,139, May 17.

Campbell, Richard L., Carterville, Mo. Extensible canopy. 2,470,337, May 17.

Campbell, Thomas C., Hessle, and E. V. Hall, Hull, assignors to Blackburn Aircraft Limited, Brough, England. Tandem wing aircraft. 2,470,602, May 17.

Canadian Industries Limited, assignee: *See*—
Hornibrook, Walter J.

Carbon, Harry B., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve operating mechanism. 2,470,470, May 17.

Carleton, Granville E., Beverly Farms, Mass., assignor to General Electric Company. Dual check valve. 2,470,471, May 17.

Carlson, Bert G., Games Mills, Ohio. Tube securing means. 2,470,546, May 17.

Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Winder bobbin. 2,470,212, May 17.

Carlson, Walter A., Sioux City, Iowa. Rotary turret type workholding fixture. 2,470,429, May 17.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Lankford, Howard Y.

Carrigan, Tracy, H. G. Holmes, and C. A. Shoemaker, Lansing, Mich., assignors to Food Machinery and Chemical Corporation. Device for optically checking dirigible wheels. 2,470,090, May 17.

Carter, Austin G., Swansea, Wales, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Alkali-alkaline earth hydroxide-impregnated carbon catalyst and its preparation. 2,470,088, May 17.

Carter, Clarence E., San Francisco, Calif. Hair clipper. 2,470,287, May 17.

Carter, Randolph H., Warrenton, Va. Fireplace air feeder construction. 2,470,430, May 17.

Cashman, Aloysius F.: *See*—
Lieber, Eugene, and Cashman.

Cassil, Carroll C.: *See*—
Hansen, James W., and Cassil.

Castner, George P., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Washing machine having rotatable tub with upper and lower discharge means. 2,470,140, May 17.

Caves, Lawrence C., Tulsa, Okla. Adhesive waterproof plastic composition. 2,470,141, May 17.

Celanese Corporation of America, assignee: *See*—
Seymour, George W., White, and Bellocci.

Central Commercial Company, assignee: *See*—
Larsen, Merwin J.

Century Electric Company, assignee: *See*—
O'Daniel, Clarence.

Chapman, Charles C., near Oklahoma City, Okla., and H. V. Hendrix, Borger, Tex., assignors to Phillips Petroleum Company. Production of catalysts of the silica-alumina type. 2,470,142, May 17.

Charlop, Elliot, New York, N. Y. Package opener. 2,470,236, May 17.

Chase Brass & Copper Co., Incorporated, assignee: *See*—
Crampton, Donald K., and Wood.

Childers, Harry S., assignor to Vendorlator Manufacturing Company, Fresno, Calif. Refrigerator having condensate disposal means. 2,470,547, May 17.

Childs, Robert S., Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Excess pressure protected pressure responsive device. 2,470,288, May 17.

Chilton, Ernest G., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Probe pressure gun. 2,470,338, May 17.

Christiansen, Andrew L., Willowbrook, Calif. Fish backbone removing machine. 2,470,289, May 17.

Christie, John R., New City, N. Y. Pocket flight position indicator. 2,470,143, May 17.

Christopher, Frank E., Morgantown, W. Va. Automatic coal dumping appliance. 2,470,472, May 17.

Chryst, John R., Tacoma, Wash. Saw grinder. 2,470,290, May 17.

Cities Service Oil Company, assignee: *See*—
Morgan, John D., Merley, and Smith.

Clark, Robert K., United States Army, St. Paul, Minn. Generator brush tool. 2,470,091, May 17.

Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Isomerization and alkylation of normal paraffins. 2,470,144, May 17.

Clasen, Clans J. W., assignor to American Steel Foundries, Chicago, Ill. Side frame and brake support strncture. 2,470,237, May 17.

Clausen, Howard F.: *See*—
Boseman, Virgil F., Sr., Walz, Griff, and Clausen.

Clausesen, William H., Berkeley, and W. H. Shiffer, assignors to California Research Corporation, San Francisco, Calif. Continuous adeorption process. 2,470,339, May 17.

Clemmons, Herbert D., assignor to Scovill Manufacturing Company, Sturgis, Mich. Valve mechanism. 2,470,213.

Cleveland Graphite Bronze Company, The, assignee: *See*—
Schaefer, Ralph.

Clos, Charles, Middle Village, N. Y., assignor to American Telephone and Telegraph Company. Multifrequency signaling system. 2,470,145, May 17.

Coate, C. F., assignee: *See*—
McNamara, Charles J.

Coleman Company, Inc., The, assignee: *See*—
Kice, Jack W.

Coleman, Marion A.: *See*—
Bryson, Bert B., and Coleman.

Collins, Milford E., Los Angeles, Calif., assignor to Radio Corporation of America. Film identifying and punching device. 2,470,291, May 17.

Collins Radio Company, assignee: *See*—
May, Richard W.

Consier, Edward J., Detroit, Mich. Automatic variable-speed transmission device. 2,470,390, May 17.

Continental Machines, Incorporated, assignee: *See*—
Harrington, John A.

Control Instrument Company, Inc., assignee: *See*—
Feller, Anton M.

Conveyor & Machinery Manufacturers, Inc., assignee: *See*—
Herrmann, John G.

Cook, Ernest E., and H. J. Sadler, assignors to Almco, Incorporated, Minneapolis, Minn. Deburring and polishing apparatus. 2,470,340, May 17.

Cooke, Maurice D.: *See*—
Staudinger, Hanns P., Faulkner, and Cooke.

Coppinger, Erskine H.: *See*—
Pollock, John A., and Coppinger.

Corner, Eugene S., Roselle, N. J., assignor to Standard Oil Development Company. Preparing a silica-magnesia gel catalyst. 2,470,411, May 17.

Corning Glass Works, assignee: *See*—
Hyde, James F.
Shaw, Morton R., Jr.

Correale, Ernest and J., Jersey City, N. J. Shuffleboard-billiard table with replaceable top. 2,470,238, May 17.

Correale, Ernest and J., Jersey City, N. J. Pool table with adjustable cue rack. 2,470,239, May 17.

Correale, Joseph: *See*—
Correale, Ernest and J.

Corson, Ben B., and G. A. Webb, assignors, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa. Dehydrogenation process. 2,470,092, May 17.

Coulter, John H., and A. F. Wood, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Collet type electrode. 2,470,603, May 17.

Coyne, David, New York, N. Y. Clip for fountain pens and other articles. 2,470,431, May 17.

Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Apparatus for casting stereotype plates. 2,470,146, May 17.

Cramer, Marvin H., George, Iowa. Excavating machine. 2,470,147, May 17.

Crampton, Donald K., Marion, and M. L. Wood, assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Tin-coating the interiors of copper tubes. 2,470,689, May 17.

Crane Packing Company, assignee: *See*—
Voytech, Charles F.

Crise Manufacturing Company, assignee: *See*—
Korsgren, Theodore Y.

Crosby, Murray G., Upper Montclair, N. J., assignor to Radio Corporation of America. Limiting detector circuits. 2,470,240, May 17.

Crowder, Harry Q. R., Altadena, and E. A. Bronson, Pasadena, Calif. Apparatus for applying wax to thin sheets. 2,470,093, May 17.

Crusan, Harold: *See*—
Warrick, Edward C., and Crusan.

Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,470,604, May 17.

Cummings, Harold R., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device with internal capacitor. 2,470,605, May 17.

Cusick, Arthur, Youngstown, Ohio. Twin pails. 2,470,432, May 17.

Cuttino, William H.: *See*—
Geiselman, Ralph A., and Cuttino.

Daellenbach, Raymond E., Ellwood City, assignor of one-half to C. Humphrey, Grove City, Pa. Rocking toy. 2,470,473, May 17.

Dahle, Frederick A., Los Angeles, Calif. Concrete step form. 2,470,690, May 17.

D'Angelo, Joseph B., Tiffin, Ohio. Nozzle. 2,470,293, May 17.

Daniel, Robert L., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Switching system. 2,470,292, May 17.

Daniello, Hilbert B., Allentown, Pa. Tatting shuttle. 2,470,391, May 17.

Dan River Mills, Incorporated, assignee: *See*—
Norton, Oscar J.

Darrah, William C., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Method of flaw detection. 2,470,341, May 17.

Davis, Edgar G., Detroit, Mich. Sash ventilator. 2,470,433, May 17.

Davis, Maurice F., Syracuse, N. Y., assignor to General Electric Company. Vending machine. 2,470,474, May 17.

Deere & Company, assignee: *See*—
Boseman, Virgil F., Sr., Wals, Griff, and Clausen.

Deere Manufacturing Co., assignee: *See*—
West, James R., Hill, and McClellan.

Deichert, Hans C.: *See*—
Morse, Clarence W., and Deichert.

Delsasso, Leo P.: *See*—
Sherwood, Robert M., Urick, and Delsasso.

De Luisi, Vincent L., and C. F. Murtaugh, Columbus, Ohio. Dispenser for adhesive tapes. 2,470,342, May 17.

Demuth, Galen W., Moorestown, N. J., assignor to Radio Corporation of America. Keyboard for musical instruments. 2,470,148, May 17.

Denison Engineering Company, The, assignee: *See*—
Adams, Cecil E.

Dennison, Robert C., Manchester, Conn. Combined belt buckle and bottle cap remover. 2,470,606, May 17.

Derby, John H., Scarsdale, N. Y. Pile. 2,470,149, May 17.

Desjardins, Norbert, Montreal, Quebec, Canada. Automatic egg boiler. 2,470,548, May 17.

De Vaney, Fred D., assignor to Erie Mining Company, Hibbing, Minn. Froth flotation of oxide iron ore. 2,470,150, May 17.

De Vilbiss Company, The, assignee: *See*—
Feeps, Donald J.

Dewey and Almy Chemical Company, assignee: *See*—
Egan, Charles H.

Dexdale Hosiery Mills, assignee: *See*—
Berger, Emil J., and West.

Diaper, Cecil T., assignor to The Bristol Aeroplane Company Limited, Bristol, England. Ammunition box. 2,470,476, May 17.

Diard, Ray, Newport, Wash. Rotary hydraulic fluid transmission mechanism. 2,470,241, May 17.

Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Monoazo dye. 2,470,094, May 17.

Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Oak Ridge, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Diphenylamine compounds. 2,470,095, May 17.

Diemer, Gesinus: *See*—
Jonker, Johan L. H., and Diemer.

Digby, Emmett B., Atlanta, Ga. Machine for picking feathers from fowls. 2,470,151, May 17.

Dillon, Orel E.: *See*—
Marks, Ben D., and Dillon.

Dinger, Fred K., Chisholm, Minn. Wall table structure. 2,470,343, May 17.

Distillers Company Limited, The, assignee: *See*—
Standinger, Hanns P., Faulkner, and Cooke.

Doehler-Jarvis Corporation, assignee: *See*—
Maier, Herbert N., and Pickering.

Douglas Aircraft Company, Inc., assignee: *See*—
McCrumm, John D.

Dozier, Daniel C., Norfolk, Va. Toy. 2,470,476, May 17.

Dozier, Robertha, Irvine, Ky. Inside flue stop. 2,470,152, May 17.

Dresser, Willis R.: *See*—
Waller, Fred, Dresser, Swain, and Wengel.

Dritz, Theodore D., Mount Vernon, N. Y. Traction device. 2,470,607, May 17.

Dunlap, Charles K., Hartsville, S. C., assignor to Sonoco Products Company. Textile thread carrier. 2,470,540, May 17.

Dunn, William, West Islip, N. Y. Fastener. 2,470,344, May 17.

Easley, Gilbert J., Forest Hills, and R. O. Bonine, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,470,608, May 17.

Eastman Kodak Company, assignee: *See*—
Dickey, Joseph B., and McNally.

Eberman, Augustus H., Geneva, assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Aircraft release device. 2,470,294, May 17.

Eck, Myron Y., Dayton, Ohio. Commutator. 2,470,096, May 17.

Eckman, Albert H., Ponca City, Okla. Space scope. 2,470,295, May 17.

Eckman, Donald P., Philadelphia, and W. H. Wannamaker, Jr., Flourtown, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Analyzing method and apparatus. 2,470,434, May 17.

Egan, Charles H., Belmont, assignor to Dewey and Almy Chemical Company, North Cambridge, Mass. Soda lime. 2,470,214, May 17.

Egglestone, Robert W.: *See*—
Stein, Joseph M., and Egglestone.

Ehardt, John H., assignee: *See*—
Skienar, Wenceslaw F.

Electric Storage Battery Co., The, assignee: *See*—
Gray, Robin.

Ellithrope, Frank E., Glendale, Calif., assignor to The Fulton Company, West Allis, Wis. Windshield visor mounting bracket. 2,470,477, May 17.

Elmore, William C., Swarthmore, and J. F. Marshall, Primos, Pa., assignors to the United States of America as represented by the Secretary of War. Piezoelectric crystal. 2,470,609, May 17.

Elsemore, Loring L., Bangor, Maine. Ice fishing jack. 2,470,610, May 17.

Emery Industries, Inc., assignee: *See*—
Myers, Latimer D., and Fitzpatrick.

English Electric Company, Limited, The, assignee: *See*—
Roberts, Lesalle.

Erickson, Charles, and E. Spellman, New York, N. Y. Scraper for freezing apparatus. 2,470,091, May 17.

Erie Mining Company, assignee: *See*—
De Vaney, Fred D.

Escher Wyss Maschinenfabriken Aktiengesellschaft, assignee: *See*—
Obrist, Heinrich.

Eutectic Welding Alloys Corporation, assignee: *See*—
Leaton, Theodore L., and Kriewall.

Evans, John, Hightstown, N. J., assignor to Radio Corporation of America. Pulse producing apparatus. 2,470,550, May 17.

Evans, John R., & Company, assignee: *See*—
Windus, Wallace.

Ewing, Samuel C., Scotia, N. Y., assignor to General Electric Company. Synchronous motor control system. 2,470,478, May 17.

Fairey Aviation Company Limited, The, assignee: *See*—
Forsyth, Archibald G.

Farnham, Alford G.: *See*—
Bender, Howard L., and Farnham.

Farr, Ivor A., Stafford, England. Perpetual calendar. 2,470,692, May 17.

Faulkner, Donald: *See*—
Staudinger, Hanns P., Faulkner, and Cooke.

Fell, Raymond E.: *See*—
Miller, John W., and Fell.

Feller, Anton M., Elizabeth, N. J., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Resistor and making same. 2,470,153, May 17.

Felsing, Urban S., Chosen, Fla. Lift attachment for tractor drawbars. 2,470,242, May 17.

Fenn, Orrin E., assignor to Peters-Dalton, Inc., Detroit, Mich. Air washer. 2,470,345, May 17.

Fenton, Paul E., Middlebury, and O. J. Huelster, assignors to Scovill Manufacturing Company, Waterbury, Conn. Reinforced socket for snap fasteners. 2,470,740, May 17.

Ferguson, Charles S., Troy, and C. E. Welsh, Schenectady, N. Y., assignors to General Electric Company. Making polysiloxane resins. 2,470,479, May 17.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Inhalator. 2,470,296, May 17.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Inhalator. 2,470,297, May 17.

Fields, Mack R., Libertyville, assignor to Abbott Laboratories, North Chicago, Ill. Powdered medicine dispenser. 2,470,298, May 17.

Fillinger, Charles: *See*—
Atwood, Hyatt B., and Fillinger.

Finke, Theodore R., Euclid, J. L. Stewart and L. H. Finneburgh, Jr., Cleveland Heights, assignors to The Gabriel Company, Cleveland, Ohio. Swivel ball antenna support. 2,470,693, May 17.

Finneburgh, Lewis H., Jr.: *See*—
Finke, Theodore R., Stewart, and Finneburgh.

Fischer & Porter Company, assignee: *See*—
Brewer, Nathaniel.

Fish, Mortimer W., assignor to General Motors Corporation, Dayton, Ohio. Liquid cooler, including agitator motor and heat removing device therefor. 2,470,561, May 17.

Fitzgerald, Mae H., Mineral Wells, Tex. Bottle rack. 2,470,154, May 17.

Fitzpatrick, J. D.: *See*—
Myers, Latimer D., and Fitzpatrick.

Flaws, David B.: *See*—
Gadwa, Truman A., and Flaws.

Fogg, Stanley R., Terre Haute, Ind. Artificial foot. 2,470,480, May 17.

Foo, Lee S., Manchester, N. H. Baby bottle holder. 2,470,604, May 17.

Food Machinery and Chemical Corporation, assignee: *See*—
Carrigan, Tracy, Holmes, and Shoemaker.

Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, England. Power plant assembly. 2,470,155, May 17.

Foss, George W., assignee: *See*—
Pietz, Ervin.

Foxboro Company, The, assignee: *See*—
Bowditch, Hoel L.

Frankenhoff, Charles A., Scarsdale, N. Y., assignor to Great Lakes Carbon Corporation. Calcined diatomaceous earth product. 2,470,346, May 17.

Freeman, Ethelyn, Muskogee, Okla. Fluid heater. 2,470,481, May 17.

Friedrich, Robert E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,470,611, May 17.

Frostad, George G., Milwaukee, Wis. Printing apparatus. 2,470,243, May 17.

Fry, Glenn A., Columbus, Ohio, assignor to the United States of America as represented by the Secretary of War. Contrast measuring apparatus having relatively rotatable polarising elements for optical sighting instruments. 2,470,156, May 17.

Fryklund, Robert A., Somerville, assignor to Submarine Signal Company, Boston, Mass. Electrical reproducing stylus. 2,470,244, May 17.

Fulton Company, The, assignee: *See*—
Ellithorpe, Frank E.

Furness, William H., Haddonfield, N. J., assignor to American Viscose Corporation, Wilmington, Del. Method of and apparatus for liquid treatment of yarns. 2,470,299, May 17.

Gabriel Company, The, assignee: *See*—
Finke, Theodore R., Stewart, and Finneburgh.

Gabrielson, Samuel, South Lynnfield, Mass., assignor to General Electric Company. Direction indicator. 2,470,482, May 17.

Gadwa, Truman A., Mount Vernon, and D. B. Flaws, assignors to The Lummus Company, New York, N. Y. Apparatus for contacting a liquid and a vapor. 2,470,483, May 17.

Gair, Robert, Company, Inc., assignee: *See*—
Blackwell, Preston J.

Gall, James, Jeannette, Pa. Oil stick wiper. 2,470,484, May 17.

Gallagher, Richard L., Erie, Pa. Letter tray. 2,470,847, May 17.

Galter, Oscar, Chicago, Ill. Illuminated rattle for babies' cribs. 2,470,612, May 17.

Gambino, Nate, Modesto, Calif. Hair comb device. 2,470,157, May 17.

Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Nonrepeat means for calculating machines. 2,470,300, May 17.

Garrett, Bowman S., Brooklyn, N. Y., assignor to Standard Oil Development Company. Isobutylene extraction. 2,470,207, May 17.

Garlet Engineering Co., Inc., assignee: *See*—
Bitner, Robert J.

Gassmann, Raymond M., Wilmette, assignor of one-fourth to B. M. Follath, R. Maier, and A. P. Stein, Chicago, Ill. Tube chamfering tool. 2,470,392, May 17.

Gay and Bell, assignee: *See*—
Bell, Harry G.

Gaynor, Arthur C., Stratford, assignor to J. F. Gaynor, Milford, Conn. Electric cam snap switch. 2,467,613, May 17.

Gaynor, Joseph F., assignee: *See*—
Gaynor, Arthur C.

Gazda, Antoine, Providence, R. I. Firing rate control mechanism for automatic firearms. 2,470,158, May 17.

Geary, Frederick L., Springfield, Mass. Game apparatus. 2,470,159, May 17.

Geiselman, Ralph A., and W. H. Cuttino, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay. 2,470,614, May 17.

Gem Participations, Inc., assignee: *See*—
Miller, Leador, and Beiser.

General Electric Company, assignee: *See*—
Alexanderson, Ernst F. W.
Carleton, Granville E.
Cummings, Harold R.
Davis, Maurice F.
Ewing, Samuel C.
Ferguson, Charles S., and Welsh.
Gabrielson, Samuel.
Lamoreaux, Harry F.
Levine, Samuel J.
Rankin, Andrew W.

General Motors Corporation, assignee: *See*—
Fish, Mortimer W.

Gertler, Samuel I., Washington, D. C., assignor to the United States of America as represented by the Secretary of Agriculture. Phenylsemioxamazide insecticidal compositions. 2,470,160, May 17.

Glasin, John A., Galveston, Tex. Table cushion adjusting mechanism. 2,470,161, May 17.

Globe Oil Tools Company, assignee: *See*—
Goodwin, John S., and Whittaker.

Globe-Wernicke Company, The, assignee: *See*—
Srofe, Jesse.

Glycofrides, Eustace, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Urea formaldehyde type of molding compounds and producing same. 2,470,393, May 17.

Glycofrides, Eustace, Toledo, Ohio, assignor to Owens-Illinois Glass Company. Furfuryl alcohol compounds. 2,470,394, May 17.

Gochmann, Maurice H., Dearborn, Mich., assignor, by mesne assignments, to the United States of America. Rocket-propelled device. 2,470,162, May 17.

Gohr, Edwin J., and C. W. Tyson, Summit, N. J., assignors to Standard Oil Development Company. Apparatus for carrying out catalytic reactions. 2,470,395, May 17.

Gold, Ira, assignor to Atlas Toy Company, Chicago, Ill. Miniature toy phonograph. 2,470,435 May 17.

Gonsáles, Jorge, Torreon, Mexico, and Y. Meer, Wyckoff, N. J. Conveyer system for cargo airports. 2,470,696, May 17.

Goodrich, B. F., Company, The, assignee: *See*—
Stewart, William D.

Goodwin, John S., and C. E. Whittaker, Whittier, assignors to Globe Oil Tools Company, Los Nietos, Calif. Cone type well drilling bit. 2,470,605, May 17.

Gordon, Herman L., Silver Spring, Md., assignor to Premier Crystal Laboratories, Incorporated, New York. Automatic agitator for apparatus subjecting liquid to electrical potential between electrodes. 2,470,741, May 17.

Goss Printing Press Company, The, assignee: *See*—
Crafts, Curtis S.

Gottschalk, Lionel J., New Orleans, La. Electric welding machine. 2,470,552, May 17.

Goulette, Joseph G., Newmarket, N. H. Radius forming device. 2,470,097, May 17.

Grady, Stephen S., New York, N. Y. Combination electric switch and circuit breaker. 2,470,301, May 17.

Graham, Matthew P., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Swivel joint. 2,470,215, May 17.

Grassfield, Norman A., assignee: *See*—
Boesener, William L.

Gray, Edward J., New York, N. Y. Razor blade stropper. 2,470,436, May 17.

Gray, Robin, Clifton Junction, near Manchester, England, assignor to The Electric Storage Battery Co. Plate support for electric accumulators. 2,470,163, May 17.

Great Lakes Carbon Corporation, assignee: *See*—
Bollaert, Armand R., and Halvorsen.
Frankenhoff, Charles A.

Green, Frederick E., Spokane, Wash. Game board and apparatus. 2,470,302, May 17.

Green, Thomas D., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Cooling the internal surface of a bottle, jar, or other hollow glass article. 2,470,245, May 17.

Greening, Arnold, assignee: *See*—
Sayers, John L.

Greenough, Maurice L., Princeton, N. J., assignor to Radio Corporation of America. Computer. 2,470,303, May 17.

Griff, Robert D.: *See*—
Boseman, Virgil F., Sr., Wals, Griff, and Clausen.

Groene, William F., H. J. Siekmann, and W. R. Meyer, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft lathe. 2,470,304, May 17.

Gross, Philipp, assignor to International Alloys Limited, Slough, England. Production and refining of aluminum. 2,470,305 May 17.

Gross, Philipp, Slough, assignor to International Alloys Limited, Aylesbury, England. Production and refining of metals. 2,470,306, May 17.

Grover, Lyndon V., Los Angeles, Calif. Sander. 2,470,615, May 17.
Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation, New York, N. Y. High-frequency matching transformer. 2,470,307, May 17.
Gudmundsson, Erik, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Protecting relay for liquid-filled electrical apparatus. 2,470,553, May 17.
Guerette, Joseph D., Brunswick, Maine. Spur shore. 2,470,396, May 17.
Gulf Research & Development Company, assignee: *See*—
Montgomery, Charles W., and Horne.
Benther, Harold.
H-P-M Development Corporation, assignee: *See*—
MacMillin, Howard F.
Hasse, Elmer A., and J. A. Bolt, assignors to Bendix Aviation Corporation, South Bend, Ind. Density responsive device. 2,470,742, May 17.
Haddison, George F., Delano, Calif. Fitting for fiber pipes. 2,470,308, May 17.
Haederer, Gustave A., Philadelphia, Pa. Instrument for drawing circular and curvilinear lines. 2,470,897, May 17.
Haight, John T., Jr., Fort Worth, Tex. Jet-propelled aircraft. 2,470,348, May 17.
Hall, Albert C., Boston, Mass., assignor, by mesne assignments, to Research Corporation, New York, N. Y. Servomechanism. 2,470,099, May 17.
Hall, Eric V.: *See*—
Campbell, Thomas C., and Hall.
Hallmark, Aubrey C., Naval Base, S. C. Automatic air gauge. 2,470,164, May 17.
Halvorsen, Gordon G.: *See*—
Bollaert, Armand R., and Halvorsen.
Hamilton Watch Company, assignee: *See*—
Weaver, Harry D.
Hammond, Homer S., Madison, Wis. Portable motor mounting. 2,470,554, May 17.
Hanovia Chemical and Mfg. Company, assignee: *See*—
Bird, Lester F.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Pulse modulation signaling system. 2,470,698, May 17.
Hansen, James W., and C. C. Cassil, Berkeley, assignors to California Spray-Chemical Corporation, Richmond, Calif. Cyclopropyl furyl propenone. 2,470,349, May 17.
Hansen Manufacturing Company, Inc., assignee: *See*—
Richardson, Lloyd D.
Harman, Marion W., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Formaldehyde condensation products of mercaptans and making same. 2,470,555, May 17.
Harmon, Ralph M., assignor to Beech Aircraft Corporation, Wichita, Kans. Shock absorber. 2,470,616, May 17.
Harrington, John A., Minneapolis, assignor to Continental Machines, Incorporated, Savage, Minn. Water-cooled grinding wheel. 2,470,350, May 17.
Harrington, Paul J.: *See*—
Jackson, Robert M., and Harrington.
Harter Corporation, assignee: *See*—
Harter, Evan S.
Harter, Evan S., assignor to Harter Corporation, Sturgis, Mich. Swivel chair base. 2,470,397, May 17.
Hartford-Empire Company, assignee: *See*—
Aksomitas, William E.
Green, Thomas D.
Honiss, William T.
MacConnell, Hugh C., Jr.
Hartford National Bank and Trust Company, assignee, as trustee: *See*—
Bergmans, Jan, Lamberts, and Anderson.
Holmes, Thomas.
Jonker, Johan L. H., and Diemer.
Visscher, Juan F.
Hartridge, Leslie, Buckingham, England. Testing phase angle and injection periods of fuel injection pumps. 2,470,351, May 17.
Hartung, Walter H., Baltimore, Md. Ethers of oximino acid chlorides. 2,470,083, May 17.
Hartzler, Boyd C., Sharonville, Ohio. Revolving attachment for dining tables. 2,470,165, May 17.
Harvill, Edward K., Orange, and R. M. Herbst, Short Hills, assignors to E. Bilhuber, Inc., Orange, N. J. Substituted alpha-halogen alkyl tetrasoles and obtaining the same. 2,470,084, May 17.
Harvill, Edward K., Orange, and R. M. Herbst, Short Hills, assignors to E. Bilhuber, Inc., Orange, N. J. Substituted amino alkyl tetrazoles. 2,470,085, May 17.
Haugland, Earl, Hampden, N. Dak. Electric circulatory water heater attachment for conventional internal-combustion engines. 2,470,485, May 17.
Hawes, Russell J., Cranford, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Regenerating magnesium silicate adsorbents. 2,470,486, May 17.
Hayes, Frederick, Los Angeles, Calif. Therapeutic matting. 2,470,398, May 17.
Hayter, Bruce: *See*—
Breese, James L., and Hayter.
Hayter, Bruce, and M. D. Huston, assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Combustion ring for pot type burners of the hydroxylating type. 2,470,099, May 17.
Hedrick, Albert E., assignee: *See*—
Matson, Nathan R., and Milewski.
Hedström, Sven-Eric, Ludvika, and U. Lamm, Kopparberg, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Rectifier with a voltage regulating reactor saturable by direct current. 2,470,556, May 17.
Heine, Ferdinand H., assignor to Koehring Company, Milwaukee, Wis. Door operating mechanism for mixers. 2,470,100, May 17.
Heisman, Robert, Los Angeles, Calif. Mechanical movement. 2,470,246, May 17.
Hellatrom, Carl R.: *See*—
Norman, Joseph W., and Hellatrom.
Hendrix, Hurshel V.: *See*—
Chapman, Charles C., and Hendrix.
Henry, Guy J., Arlington Heights, Ill. Spring floated valve head. 2,470,700, May 17.
Hepp, Peter P., Aberdeen, Md. Clip retaining tool. 2,470,309, May 17.
Herbst, Robert M.: *See*—
Harvill, Edward K., and Herbst.
Herr Manufacturing Company Inc., assignee: *See*—
Atwood, Hyatt B., and Fillinger.
Herrmann, John G., Baldwin, assignor to Conveyor & Machinery Manufacturers, Inc., New York, N. Y. Gathering machine. 2,470,557, May 17.
Hetchler, John D.: *See*—
Vanderbilt, Byron M., and Hetchler.
Hetzel, Stanford J.: *See*—
Kennedy, Robert M., and Hetzel.
Hetzel, Stanford J., Cheltenham, and R. M. Kennedy, Drexel Hill, assignors to Sun Oil Company, Philadelphia, Pa. Polymerization of ethylene. 2,470,166, May 17.
Heymann, Herman, Brooklyn, N. Y. Indicator card for bingo or lotto games. 2,470,310, May 17.
Hill, George B.: *See*—
West, James R., Hill, and McClellan.
Hobbs, James C., Painesville, Ohio, and J. C. Hobbs, II, Oil City, Pa. Expansion flange. 2,470,167, May 17.
Hobbs, James C., II: *See*—
Hobbs, James C. and J. C., II.
Hochgesang, Frank P., Woodbury, and C. H. Schleesman, Camden, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for geophysical prospecting. 2,470,743, May 17.
Hoddinott, William M., assignor to Van Norman Company, Springfield, Mass. Control for variable displacement pumps. 2,470,617, May 17.
Hoerth, Albert J., Des Plaines, Ill. Printing form aligning apparatus. 2,470,437, May 17.
Hoffmann-La Roche Inc., assignee: *See*—
Platt, John T., and Wenner.
Holben, Frank, Middletown, R. I. Ejector type socket wrench. 2,470,399, May 17.
Holden, Lawrence T., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical apparatus. 2,470,618, May 17.
Hollis, Robert F., assignor to Alton Box Board Company, Alton, Ill. Adjustable anvil. 2,470,487, May 17.
Holmes, Herbert G.: *See*—
Carrigan, Tracy, Holmes, and Shoemaker.
Holmes, Thomas, London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Electrical resistor. 2,470,352, May 17.
Honerkamp, Friedrich, and F. J. Kurth, assignors to Anemostat Corporation of America, New York, N. Y. Air flow control means. 2,470,488, May 17.
Honiss, William T., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of feeding molten glass. 2,470,558, May 17.
Hoosier Cardinal Corporation, assignee: *See*—
Baner, Charles A., and Barnes.
Hoover, Walter S., Montreal, Quebec, Canada. Oppositely rotating propellers. 2,470,560, May 17.
Hopkins, Nevil M., deceased; R. B. Hopkins, executrix, assignor to R. B. Hopkins, New York, N. Y. Rifle rocket missile. 2,470,489, May 17.
Hopkins, Raymonde B., assignee, executrix: *See*—
Hopkins, Nevil M.
Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,470,559, May 17.
Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Doctor blade mounting. 2,470,400, May 17.
Horne, William A.: *See*—
Montgomery, Charles W., and Horne.
Hornel, James C.: *See*—
Whitworth, Edward, and Hornel.
Hornibrook, Walter J., McMasterville, Quebec, assignor to Canadian Industries Limited, Montreal, Quebec, Canada. Polymeric 4-vinylcyclohexene dioxide compositions. 2,470,168, May 17.
Horvitz, Leo, assignor to E. E. Rosaire, Houston, Tex. Exploration by soil analysis. 2,470,401, May 17.
Howse, Cyril G., Farmoor, Botley, England. Mechanical milking apparatus. 2,470,160, May 17.
Hoyler, Cyril N., Princeton, and R. A. Bierwirth, Kingston, N. J., assignors to Radio Corporation of America. Rotary conveyer. 2,470,311, May 17.
Hubbard, Arthur R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for turning the platform covers of platform shoes. 2,470,170, May 17.

Hueleter, Otto J.: *See*—
Fenton, Paul E., and Hueleter.
Hughes, Clifford J.: *See*—
Schaelder, Gerhard G., and Hughes.
Humphrey, Carl, assignee: *See*—
Daellenbach, Raymond E.
Hunter, Hasen F., Washingtonville, Ohio. Press. 2,470,561, May 17.
Huston, Milton D.: *See*—
Hayter, Bruce, and Huston.
Hutchings, Brian L., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Purifying pteroylglutamic acid and related compounds. 2,470,490, May 17.
Hutchings, Brian L., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Purification of pteroylglutamic acid. 2,470,491, May 17.
Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organosiloxanes and making them. 2,470,562, May 17.
Hydrocarbon Research, Inc., assignee: *See*—
Keith, Percival C.
Hygrade Industries, Inc., assignee: *See*—
Wolanske, Raymond.
Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Soil pulverizer. 2,470,619, May 17.
Ibiach, Franz O., U. S. Navy, Columbus, Wis. Actuating means for simulated radio compass on aviation trainers. 2,470,101, May 17.
Imperial Chemical Industries Limited, assignee: *See*—
Whitworth, Edward, and Hornel.
Ingersoll Limited, assignee: *See*—
Young, Leonard W.
Ingersoll-Rand Company, assignee: *See*—
Loss, Isidor R.
International Alloys Limited, assignee: *See*—
Gross, Philipp.
International Business Machines Corporation, assignee: *See*—
Malmroe, Gustav V. A., and Barber.
International Harvester Company, assignee: *See*—
Avila, Frank W.
Bechman, William O., and Baker.
Mott, Carl W.
International Staple and Machine Company, assignee: *See*—
Schafroth, Werner.
Schafroth, Werner, and Beal.
Jackson, Donald, assignor to Pye Limited, Cambridge, England. Unitary closure and mask for cathode-ray tubes. 2,470,620, May 17.
Jackson, Robert M., Baton Rouge, La., and P. J. Harrington, Mountainside, N. J., assignors to Standard Oil Development Company. Absorption process. 2,470,438, May 17.
Jacobs, Leonard, Philadelphia, Pa., assignor to Radio Corporation of America. Safety switch. 2,470,701, May 17.
Jacobsen, Arne, Accord, N. Y. Fishing net. 2,470,621, May 17.
James Manufacturing Company, assignee: *See*—
Olson, John B.
Jarvis & Jarvis, Inc., assignee: *See*—
Scudder, Eliot R.
Jenkins, Albert W., New York, N. Y. Picnic set. 2,470,492, May 17.
Jennings, Irving C., South Norwalk, Conn. Pump. 2,470,563, May 17.
Jobst, Conrad, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Injection molding machine. 2,470,402, May 17.
Johansson, Johan E., assignor to Aktiebolaget Götaverken, Goteborg, Sweden. Internal-combustion engine plant, including a scavenging compressor driven by an exhaust gas turbine. 2,470,702, May 17.
Johnson, Carl K.: *See*—
Peterson, Arthur S., and Johnson.
Johnson, James S., Pasadena, Calif. Fluid fuel burning floor furnace. 2,470,247, May 17.
Johnson & Johnson, assignee: *See*—
Kennison, Adrian B.
Johnson, Karl M.: *See*—
Linton, Dempsey A., and Johnson.
Jonker, Johan L. H., and G. Diemer, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron discharge tube with metal foil electrode. 2,470,248, May 17.
Jordan, Anthony G., Battle Creek, Mich. Analytical apparatus. 2,470,353, May 17.
Karasick, Mary K., executrix: *See*—
Karasick, Samuel.
Karasick, Samuel, deceased, Great Barrington, Mass.; M. K. Karasick, executrix. Permanent magnet field coupling. 2,470,249, May 17.
Karnol, Edward, Great Neck, and W. A. Rochm, Rockville Centre, assignors, by mesne assignments, to Virtu, Inc., Brooklyn, N. Y. Making shelf edging. 2,470,493, May 17.
Kearney, James R.: *See*—
Tallman, Oscar F., Kearney, and Runde.
Keith, Kenneth M.: *See*—
Honning, Martin, and Keith.
Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Synthesizing motor fuels of high antiknock values. 2,470,216, May 17.
Kennedy, Robert M.: *See*—
Hetzel, Stanford J., and Kennedy.
Kennedy, Robert M., Drexel Hill, and S. J. Hetzel, Cheltenham, assignors to Sun Oil Company, Philadelphia, Pa. Polymerization of olefins. 2,470,171, May 17.
Kennison, Adrian B., Plainfield, N. J., assignor to Johnson & Johnson. Shipping package of suture tubes or the like. 2,470,494, May 17.
Kern, Charles J., Long Island City, and J. M. Tabor, East Islip, assignors to American Home Products Corporation, New York, N. Y. Obtaining fat-soluble vitamin-containing materials in oil. 2,470,703, May 17.
Keuper, William J., assignor to The National Marking Machine Company, Cincinnati, Ohio. Laundry marking machine. 2,470,622, May 17.
Kice, Jack W., assignor to The Coleman Company, Inc., Wichita, Kans. Ventilator cap. 2,470,623, May 17.
Kienle, David, New York, N. Y. Belt carried tape holder for electrical workers. 2,470,250, May 17.
Kinetic Chemicals, Inc., assignee: *See*—
Benning, Anthony F., McIlarness, and Murray.
Klemparens, Roy, Roselyn, Va. Corner construction. 2,470,403, May 17.
Kleos, Arnold, Sharon, Pa. Shaft trueness tester. 2,470,404, May 17.
Knapp-Monarch Company, assignee: *See*—
Snyder, Leland H.
Koehring Company, assignee: *See*—
Heine, Ferdinand H.
Kohler, Frederick E., Berkeley, Calif. Safety plate. 2,470,439, May 17.
Kohn, Harold B., Bronx, and M. Schnelderman, Brooklyn, N. Y. Calculator. 2,470,495, May 17.
Kolbert, Oswald, Flushing, and A. S. Messer, Ozone Park, assignors to Waldes Kohinoor, Inc., Long Island City, N. Y. Slide fastener. 2,470,251, May 17.
Kollath, Bernard M., assignee: *See*—
Gussmann, Raymond M.
Koppers Company, Inc., assignee: *See*—
Corson, Ben B., and Webb.
Rueckel, Walter C.
Swietoslawski, Wojciech, and Anderson.
Korn, Arthur H., assignor to Airborne Conveyors Corporation, New York, N. Y. Air lock and valve for pneumatic conveying systems. 2,470,744, May 17.
Korsgren, Theodore Y., Reynoldsburg, assignor to Crise Manufacturing Company, Columbus, Ohio. Self-aligning bearing construction. 2,470,354, May 17.
Korsmo, Alfred, Hopkins, and M. Ronning, St. Louis Park, assignors to Minneapolis-Moline Company, Hopkins, Minn. Crop feed mechanism for combines. 2,470,704, May 17.
Koster, John R.: *See*—
Webb, Paul S., and Koster.
Kriewall, William B.: *See*—
Leston, Theodore L., and Kriewall.
Krilanovich, Stephen, North Hollywood, Calif. Wheel steering mechanism. 2,470,496, May 17.
Krings, Bernard J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamic braking control system. 2,470,624, May 17.
Krnee, William P., San Francisco, and J. W. Steel, Alameda, Calif. Conversion unit for coining presses. 2,470,102, May 17.
Knehl, Robert: *See*—
Broeren, Frank L., Wanda, and Knehl.
Kuhn, Edmund W., Cortland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. No-load tap changer. 2,470,625, May 17.
Kurth, Franz J.: *See*—
Honerkamp, Friedrich, and Kurth.
Kuzmick, Joseph N., Clifton, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Manufacture of diamond abrasive articles. 2,470,440, May 17.
Kyle, Samuel C., Berkeley, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Hydraulic pumping jack with control responsive to abnormal conditions. 2,470,252, May 17.
Lamberts, Calmor A.: *See*—
Bergmans, Jan, Lamberts, and Anderson.
Lamm, Uno: *See*—
Hedstrom, Sven-Eric, and Lamm.
Lamoreaux, Harry F., Ballston Lake, N. Y., assignor to General Electric Company. Preparation of polysiloxane resins. 2,470,497, May 17.
Langer, Bernard F., and K. L. Wommack, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electromagnetic torque responsive device. 2,470,626, May 17.
Lankford, Howard Y., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Device for measuring the thickness of walls or the like, subject to erosion. 2,470,498, May 17.
Lapp, Chester A., Cleveland, Ohio. Pipe fitting. 2,470,499, May 17.
Larsen, Merwin J., Rochester, N. Y., assignor to Central Commercial Company, Chicago, Ill. Vibrato organization. 2,470,705, May 17.
Larson, Charles O., Sterling, Ill. Safety hook. 2,470,706, May 17.

Lauck, John A., Shaker Heights, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Pressure loaded gear pump. 2,470,355, May 17.

Lawrence, Franklin I. L., Bradford, Pa., assignor to The Permutit Company, New York, N. Y. Demineralizing. 2,470,500, May 17.

Lawrence, Lovell, Jr., Pines Lake, Paterson, and J. H. Wyld, Pompton Lakes, assignors to Reaction Motors, Inc., Pompton Plains, N. J. Reaction motor control system. 2,470,564, May 17.

Leaman, James, New York, N. Y. Ash tray. 2,470,501, May 17.

Le Blond, R. K., Machine Tool Company, The, assignee: *See*—
Groene, William F., Siekmann, and Meyer.

Lee, John D., Redondo Beach, Calif. Inside thread caliper. 2,470,254, May 17.

Leeds and Northrup Company, assignee: *See*—
Seasongood, Albert A.

Leese, Charles P., assignor to Standard Car Truck Company, Chicago, Ill. Friction bolster spring. 2,470,172, May 17.

Lehane, Timothy J.: *See*—
Rhodes, Lewis B., and Lehane.

Leland, Hollis L., Cranford, N. J., assignor to Standard Oil Development Company. Cutting fluid. 2,470,405, May 17.

Lerner, Earl A., Chicago Heights, Ill., assignor to American Brake Shoe Company, New York, N. Y. Conveyer carrier blades with equaliser tops. 2,470,253, May 17.

Leston, Theodora I., and W. B. Kriewall, assignors to Eutectic Welding Alloys Corporation, New York, N. Y. Welding rod marking machine. 2,470,707, May 17.

Leverens, Humboldt W., Princeton, N. J., assignor to Radio Corporation of America. Phosphor materials. 2,470,173, May 17.

Leverens, Humboldt W., Princeton, N. J., assignor to Radio Corporation of America. Phosphor. 2,470,627, May 17.

Le Vesconte, Harold J., Glendale, Calif., and O. Quist, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,470,502, May 17.

Levin, Abraham J., Franklin, Mich. Reciprocal buoyancy lift. 2,470,312, May 17.

Levin, Abraham J., Franklin, Mich. Accelerated variable buoyancy lift. 2,470,313, May 17.

Levine, Samuel J., West Orange, N. J., assignor to General Electric Company. Automatic inverse modulation valve. 2,470,503, May 17.

Lewis, Albert M., and P. B. Weller, Detroit, Mich. Collapsible box. 2,470,174, May 17.

Le Witt, George, New Britain, Conn. Motorized pressure juice extractor. 2,470,708, May 17.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Sharp, Donald E.

Lieber, Eugene, New York, N. Y., and A. F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Condensing fatty acid halides with aromatic acid halides. 2,470,504, May 17.

Lily-Tulip Cup Corporation, assignee: *See*—
Sims, Clark D.

Lim, Peter, Los Angeles, Calif. Storage attachment for automobile bodies. 2,470,314, May 17.

Lindgren, Nils, Irondequoit, and P. A. Roos, Greece, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Surface comparison microscope having light conducting members providing grazing and diffuse illumination. 2,470,176, May 17.

Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Liquid hydrogen fluoride composition. 2,470,175, May 17.

Lochman, Emil R., Milwaukee, Wis. Power-operated driving and braking mechanism. 2,470,103, May 17.

Logansport Machine Co. Inc., assignee: *See*—
Proctor, Harry L.

Loss, Isidor R., Rowayton, Conn., assignor to Ingersoll-Rand Company, New York, N. Y. Surge preventing device for centrifugal compressors. 2,470,566, May 17.

Ludwig, Leon R., Wilkinsburg, H. J. Webb, Forest Hills, and B. F. Baker, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,470,628, May 17.

Ludwig, Norman C., Chicago, Ill., assignor to Universal Atlas Cement Company. Slow setting cement and making the same. 2,470,505, May 17.

Lummus Company, The, assignee: *See*—
Brunjes, Austin S., and Bogart.
Gadwa, Truman A., and Flawa.

Lundstrom, Carl B., Little Falls, N. Y. Picker stick. 2,470,506, May 17.

Luton, Dempsey A., and K. M. Johnson, Jackson, Wyo. Electric fishing reel. 2,470,507, May 17.

MacConnell, Hugh C., Jr., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Fluid control valve mechanism. 2,470,566, May 17.

MacDonald, Joseph R., Winchester, assignor to Macmor Corporation, Boston, Mass. Lobster trap. 2,470,177, May 17.

Mack, Gerry P., Jackson Heights, assignor to Advance Solvents & Chemical Corporation, New York, N. Y. Emulsion polymerizing butadienes. 2,470,629, May 17.

MacKenzie, Kenneth W., Newton Highlands, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical precipitator. 2,470,356, May 17.

MacMillan, Charles W., Alexandria, Va. Engine combustion controlling device. 2,470,709, May 17.

MacMillin, Howard F., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Control system for hydraulic pumps supplying hydraulic fluid to double-acting rams of hydraulic presses. 2,470,357, May 17.

Macmor Corporation, assignee: *See*—
MacDonald, Joseph R.

Madsen, Karl K., L. de Zamora, Argentina, assignor to Aktieselskabet Esab, Copenhagen, Denmark. Semiautomatic arc welding apparatus and method. 2,470,178, May 17.

Maier, Herbert N., Pottstown, Pa., and T. H. Pickering, New Rochelle, assignors to Doehler-Jarvis Corporation, New York, N. Y. Bicycle frame. 2,470,441, May 17.

Maier, Roy, assignee: *See*—
Gassmann, Raymond M.

Maky, Walter, assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,470,508, May 17.

Mallory, P. R., & Co., Inc., assignee: *See*—
Coulter, John H., and Wood.

Malmros, Gustav V. A., Binghamton, and E. A. Barber, Jr., Johnson City, assignors to International Business Machines Corporation, New York, N. Y. Adjustable throat mechanism for sorting machines. 2,470,442, May 17.

Marathon Corporation, assignee: *See*—
Ballar, Charles O., and Spalding.
Broeren, Frank L., Wauda, and Kuehl.
Murphy, Merrill M.

Marcou, Rene J., Newton, Mass. Liquid level alarm particularly for storage battery electrolytes. 2,470,630, May 17.

Marini, Herman R., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Making heated window glass. 2,470,509, May 17.

Market Forge Co., assignee: *See*—
Warshaw, Nathaniel.

Marks, Ben D., and O. E. Dillon, Corpus Christi, Tex. Pipe-line recovery device. 2,470,255, May 17.

Marshall, John F.: *See*—
Elmore, William C., and Marshall.

Martin, Glenn L., Company, The, assignee: *See*—
Barrick, Ray E., and Morison.

Martin, Harry R., Des Moines, Iowa. Battery post clamp. 2,470,104, May 17.

Martin, Sida S., executrix: *See*—
Boynton, Alexander.

Marxmiller, Elmer C.: *See*—
Suhl, Richard W., and Marxmiller.

Mason, Homer A., Chicago, Ill. Cigarette lighter. 2,470,710, May 17.

Master Technique Board Co., assignee: *See*—
Silver, Stan.

Matson, Nathan R., and L. A. Milewski, assignors of thirty-three and one-third per cent to A. E. Hedrick, Glendale, Calif. Liquid level gauge. 2,470,510, May 17.

Matthews, W. N., Corporation, assignee: *See*—
Pollock, John A., and Copplinger.

Matzie, Frederick W., Los Angeles, Calif. Impact producing implement. 2,470,406, May 17.

May, Richard W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Selective control apparatus for radio systems and the like. 2,470,567, May 17.

McClellan, Cyril E., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sliding joint for transmission lines. 2,470,631, May 17.

McClellan, Marcus E.: *See*—
West, James R., Hill, and McClellan.

McCloskey, Joseph E., assignor to The American Pulley Company, Philadelphia, Pa. Holding element for hub collars. 2,470,179, May 17.

McCrumm, John D., Inglewood, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Spark plug. 2,470,568, May 17.

McDill, Rex D., Cleveland Heights, assignor to J. B. Shaver, University Heights, Ohio. Detection of impurities. 2,470,511, May 17.

McGehee, Wallace L., Kansas City, Mo. Multiple stage pulverizing and dehydrating tube mill. 2,470,315, May 17.

McHarness, Robert C.: *See*—
Benning, Anthony F., McHarness, and Murray.

McHatton, Rex L., South Bend, Ind. Carbonaceous deodorizer and making same. 2,470,180, May 17.

McIlroy, Harold G., Burbank, Calif. Quick-action coupling. 2,470,256, May 17.

McIntyre, Angus W., Victoria, British Columbia, Canada. Heating device adapted to electric ranges. 2,470,181, May 17.

McKown, Glen D., Cedar Lake, Ind. Fusee lighter. 2,470,358, May 17.

McLean, Paul C., Hollywood, Calif. Hose coupling. 2,470,359, May 17.

McLeod, Norman, Cleveland, Ohio. Chance controlled game board. 2,470,632, May 17.

McLoughlin, Arthur J., Elmhurst, N. Y. Snow shovel. 2,470,217, May 17.

McMillan, James: *See*—
Remis, Robert E., and McMillan.

McNally, James G.: *See*—
Dickey, Joseph B., and McNally.

McNamara, Charles J., Crafton, assignor to N. R. McNamara and C. F. Coate, doing business as Precision Instrument & Manufacturing Company, Pittsburgh, Pa. Toolholder. 2,470,218, May 17.

McNamara, N. R., assignee: *See*—
McNamara, Charles J.

McNaughton, Roy A., assignor to Sylvania Electric Products Inc., Emporium, Pa. Linear response vacuum tube voltmeter. 2,470,219, May 17.

Meer, Yusuf: *See*—
Gonsales, Jorge, and Meer.

Meighan, Merl H., River Edge, and K. N. Brown, Teaneck, N. J., assignors to F. W. Berk & Company, Inc., New York, N. Y. Apparatus for comminution of molten metals. 2,470,569, May 17.

Merley, Sylvan R.: *See*—
Morgan, John D., Merley, and Smith.

Merrick, J. W., assignee: *See*—
Wenger, Russell J.

Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature control system. 2,470,633, May 17.

Messer, Albert S.: *See*—
Kolbert, Oswald, and Messer.

Messick, Kirwan Y., Arlington, Va. Lumber loading truck. 2,470,360, May 17.

Meyer, Walter R.: *See*—
Groene, William F., Siekmann, and Meyer.

Milewski, Leo A.: *See*—
Matson, Nathan R., and Milewski.

Miller, Isador, New York, and A. L. Beiser, Jackson Heights, assignors to Gem Participations, Inc., New York, N. Y. Reclaiming plastic scrap. 2,470,361, May 17.

Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Forced air and gravity circulating heating apparatus. 2,470,571, May 17.

Miller, John W., and W. G. Smith, assignors to Motor Wheel Corporation, Lansing, Mich. Vaporizing type oil burner. 2,470,570, May 17.

Miller, John W., and R. E. Fell, assignors to Motor Wheel Corporation, Lansing, Mich. Fuel feed control. 2,470,572, May 17.

Miller, John Z., Hagerstown, Md. Rope holder. 2,470,316, May 17.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Eckman, Donald P., and Wannamaker.

Minneapolis-Moline Company, assignee: *See*—
Korsmo, Alfred, and Ronning.
Ronning, Martin, and Keith.

Mission Manufacturing Company, assignee: *See*—
Young, Henry B.

Mittelmann, Eugene, Chicago, Ill. Continuously matching and controlling power for high-frequency heating of reactive loads. 2,470,443, May 17.

Moberg, Ivar O., Lowell, Mass. Fire alarm. 2,470,711, May 17.

Mock, Frank C., assignor to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,470,098, May 17.

Mohrman, Harold W., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Melamine-formaldehyde casting resin. 2,470,363, May 17.

Monroe Calculating Machine Company, assignee: *See*—
Gang, Herman.

Monsanto Chemical Company, assignee: *See*—
Barkhuff, Raymond A., Jr.
Blake, Edward S.
Harman, Marion W.
Mohrman, Harold W.

Montgomery, Charles W., and W. A. Horne, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Catalytic dealkylation of alkylated compounds. 2,470,712, May 17.

Moody, Dwight L., and H. Renek, Santa Monica, Calif. Currency container. 2,470,362, May 17.

Moore, George C., Company, assignee: *See*—
Siciliano, Samuel F.

Moore, Milton K., Corpus Christi, Tex. Electrical protective system. 2,470,257, May 17.

Moore, Robert C., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Oscillator modulating system. 2,470,573, May 17.

Moore, Sidney A., Phoenix, Ariz. Electrical outlet box attaching tool. 2,470,512, May 17.

Morgan, John D., South Orange, S. R. Merley, Riverton, and W. E. Smith, Haddonfield, N. J., assignors to Cities Service Oil Company, New York, N. Y. Apparatus for deleading gasoline. 2,470,634, May 17.

Morison, Ayers: *See*—
Barrick, Ray E., and Morison.

Morse, Clarence W., Santa Monica, Calif., and H. C. Deichert, Youngstown, Ohio, said Deichert assignor to said Morse. Film gauge. 2,470,513, May 17.

Moss, Earl C., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauge for checking the positions of parts mounted on the inner peripheries of cylindrical articles. 2,470,635, May 17.

Moss, Earl C., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauging apparatus. 2,470,636, May 17.

Motor Wheel Corporation, assignee: *See*—
Horn, Harry J.
Miller, John W.
Miller, John W., and Fell.
Miller, John W., and Smith.

Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Pump. 2,470,220, May 17.

Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Apparatus for and method of dressing cylindrical surfaces. 2,470,221, May 17.

Mueller, Ervin H., Grosse Pointe, Mich. Double gas burner with removable cap. 2,470,713, May 17.

Muller, George W., Miami, Fla. Antisplitting means for articles of timber. 2,470,514, May 17.

Muntz, Alan, & Company Limited, assignee: *See*—
Beale, Evelyn S. L.

Murphy, Frank L., Dorchester, Mass. Airplane toy. 2,470,407, May 17.

Murphy, Merrill M., assignor to The Marathon Manufacturing Co., Marathon, N. Y. Portable lifting jack. 2,470,105, May 17.

Murphy, Norman B., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Disconnectible coupling device. 2,470,317, May 17.

Murray, D. J. Manufacturing Co., assignee: *See*—
Payser, Stanley D.
Rosmait, John A.

Murray, William S.: *See*—
Benning, Anthony F., McHarness, and Murray.

Murtaugh, Charles F.: *See*—
De Lelsi, Vincent L., and Murtaugh.

Mustafa, Ferhad, Highland Park, Mich. Collapsible wheel chair. 2,470,258, May 17.

Myers, Latimer D., and J. D. Fitzpatrick, assignors to Emery Industries, Inc., Cincinnati, Ohio. Plasticised prolamines. 2,470,515, May 17.

Nadelson, Samuel, New York, N. Y. Support for table tennis nets. 2,470,318, May 17.

Nader Engineering Company, assignee: *See*—
Nader, Joseph.

Nader, Joseph, Glen Ellyn, assignor to Nader Engineering Company, Chicago, Ill. Frame for dynamoelectric machines. 2,470,408, May 17.

Napier, D., & Son Limited, assignee: *See*—
Ramsay, Frank R. F.

Nash-Kelvinator Corporation, assignee: *See*—
Wahlberg, Nils E.

Nassivera, Charles, Glen Falls, N. Y. Poultry immerser. 2,470,409, May 17.

National Foam System, Inc., assignee: *See*—
Perri, Joseph M.

National Marking Machine Company, The, assignee: *See*—
Keuper, William J.

National Grain Supply Company, assignee: *See*—
Roche, Paul C.

National Supply Company, The, assignee: *See*—
Shepherd, Harold F.

National Union Radio Corporation, assignee: *See*—
Schneider, Gerhard G., and Hughes.

Neckel, Edmund N., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Automatic release collar clamp. 2,470,515, May 17.

Nelson, Earl J., Jackson Heights, N. Y. Golf ball tee. 2,470,574, May 17.

Nelson, Karl J., Cranford, N. J., assignor to Standard Oil Development Company. Preparation of silica magnesia catalysts. 2,470,410, May 17.

Nevins, Searle O., Santa Monica, Calif. Electric pressure indicator. 2,470,714, May 17.

Niederhauser, Homer, Berne, Ind. Reclining chair. 2,470,364, May 17.

Nordberg Manufacturing Company, assignee: *See*—
Turnwald, Wolfgang.

Norman, Joseph W., Springfield, and C. R. Hellstrom, Wellesley, assignors to Smith and Wesson, Inc., Springfield, Mass. Safety device for revolvers. 2,470,259, May 17.

Norris, Edward O., Westport, Conn. Pump. 2,470,319, May 17.

Norton, Oscar J., Danville, Va., assignor to Dan River Mills, Incorporated. Cloth inspection and handling system. 2,470,575, May 17.

Nnproducts Corporation, assignee: *See*—
Smith, Roland L.

Obriet, Heinrich, assignor to Escher Wyss Maschinenfabriken Aktiengesellschaft. Zurich, Switzerland. Variable-pitch propeller. 2,470,517, May 17.

O'Daniel, Clarence, Richmond Heights, Mo., assignor to Century Electric Company. Oil pump for dynamoelectric machines. 2,470,365, May 17.

Olivares, Salvador G., Mexico City, Mexico. Electric heating unit. 2,470,715, May 17.

Oliver, Walter E., Quincy, Mass. Autographic register. 2,470,260, May 17.

Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Feed truck and removing feed therefrom. 2,470,637, May 17.

Onondaga Pottery Company, assignee: *See*—
Parmelee, Clifford H., and Briggs.

Orr, Mark J., Emporium, Pa., assignor to Sylvania Electric Products, Inc. Basing of radio tubes and the like. 2,470,518, May 17.

Ostling, William, assignor to California Machinary and Supply Company, Ltd., Los Angeles, Calif. Automatic spark advance mechanism. 2,470,366, May 17.

Overbeck, Wilcox P., Chicago, Ill., assignor to Research Corporation, New York, N. Y. Electronic counting system. 2,470,716, May 17.

Owens-Illinois Glass Company, assignee: *See*—
Ball, Charles O.
Glycofelides, Eustace.
Jobst, Conrad.

Packard, Shirley W.: *See*—
Wolfram, John N., and Packard.

Page, Herbert E., Alhambra, Calif. Electrical connection device. 2,470,320, May 17.

Palma, Harold G., New York, N. Y. Handbag purse. 2,470,367, May 17.

Palumbo, Vincent, Cleveland Heights, Ohio. Fuel injector for internal-combustion engines. 2,470,717, May 17.

Pan American Refining Corporation, assignee: *See*—
Scofield, Raymond C.

Paramount Textile Machinery Co., assignee: *See*—
Richter, Henry.

Parker Appliance Company, The, assignee: *See*—
Carbon, Harry B.
Maky, Walter.
Wolfram, John N., and Packard.

Parmelee, Clifford H., and A. J. Briggs, assignors to Onondaga Pottery Company, Syracuse, N. Y. Apparatus for working plastic material. 2,470,638, May 17.

Parry, Vernon F., Golden, Colo. Reducing iron ores. 2,470,106, May 17.

Patterson, John A., Westfield, N. J., assignor, by mesne assignments, to Standard Oil Development Company. Distillation of alcohols containing impurities less soluble in water. 2,470,222, May 17.

Paxton, Donald D., Burbank, Calif., assignor to Adel Precision Products Corp. Valve mechanism. 2,470,368, May 17.

Payzer, Stanley D., assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Apparatus for handling chipper knives. 2,470,261, May 17.

Payzer, Stanley D., assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Handling chipper knives. 2,470,262, May 17.

Peck, Ernest L., Erie, Pa. Loader for revolvers. 2,470,182, May 17.

Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 2,470,718, May 17.

Peery, Norman F., assignor to Shell Development Company, San Francisco, Calif. Hydrocarbon conversion process. 2,470,263, May 17.

Pelton Water Wheel Company, The, assignee: *See*—
Kyle, Samuel C.

Permutit Company, The, assignee: *See*—
Lawrence, Franklin I. L.

Perri, Joseph M., West Chester, assignor to National Foam System, Inc., Philadelphia, Pa. Stabilized foam-forming composition. 2,470,719, May 17.

Peters-Dalton, Inc., assignee: *See*—
Fenn, Orrin E.

Peters, Henry P., Lester, Iowa. Gauge for laying asphalt shingles. 2,470,183, May 17.

Peterson, Arthur S., and C. K. Johnson, Elwood, Conn., assignors to Abemostat Corporation of America, New York, N. Y. Nozzle. 2,470,519, May 17.

Pfenninger, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Arrangement for cooling combustion chambers. 2,470,184, May 17.

Pfetcher, Theophil J., Norwalk, Wis. Refrigerated milker pail. 2,470,520, May 17.

Philco Corporation, assignee: *See*—
Moore, Robert C.
Traub, Ernest H.

Philippe, George A., Fort Smith, Ark. Glass cutter. 2,470,444, May 17.

Phillips Petroleum Company, assignee: *See*—
Bergman, William E.
Chapman, Charles C., and Hendrix.
Piety, Raymond G.

Piacenti, Frank, New York, N. Y. Collapsible tire remover. 2,470,107, May 17.

Pickering, Theodore H.: *See*—
Maier, Herbert N., and Pickering.

Piersol, John A., Indianapolis, Ind. Eduction head for air lifts. 2,470,830, May 17.

Piety, Raymond G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alternating current impedance meter. 2,470,412, May 17.

Pieta, Ervin, assignee: *See*—
Pieta, Ervin.

Pieta, Ervin, assignor to L. N. Barry, G. W. Foss, and E. Pieta, doing business as The L. N. Barry Company, Cambridge, Mass. Vibration isolator. 2,470,185, May 17.

Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Wheel with resilient spokes. 2,470,640, May 17.

Pittsburgh Plate Glass Company, assignee: *See*—
Black, Lloyd V.
Marini, Herman R.

Platt, John T., Passaic, and W. Wenner, Montclair, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Heterocyclic amines. 2,470,108, May 17.

Platt, John T., Passaic, and W. Wenner, Montclair, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Heterocyclic amines. 2,470,109, May 17.

Pollock, John A., and E. H. Coppinger, Bainbridge, Ga., assignors to W. S. Matthews Corporation, St. Louis, Mo. Gang operated switch. 2,470,576, May 17.

Portable Industries, Inc., assignee: *See*—
Temple, Stanley A.

Portz, Frederick G., Waukesha, Wis. Disintegrated newsprint-boric acid insulation composition. 2,470,641, May 17.

Powell, John, New York, N. Y. Combination animal carrier and display pen. 2,470,223, May 17.

Pregel, John L., Baltimore, Md. Portable infant incubator. 2,470,721, May 17.

Preble, Everett W., Anson, Maine. Current conveyer. 2,470,521, May 17.

Precision Instrument & Manufacturing Company, assignee: *See*—
McNamara, Charles J.

Premier Crystal Laboratories, Incorporated, assignee: *See*—
Bach, Henry M.
Gordon, Hermao L.

Price, Earl R.: *See*—
Thomas, Thomas H., and Price.

Price, Laurence L., Los Angeles, Calif. Control means for towel cabinets. 2,470,186, May 17.

Price, Laurence L., Los Angeles, Calif. Towel dispenser. 2,470,187, May 17.

Processed Surfaces, Inc., assignee: *See*—
Webb, Paul S., and Koster.

Proctor, Harry L., assignor to Logansport Machine Co. Inc., Logansport, Ind. Self-locking chuck. 2,470,720, May 17.

Purdy, Kenneth M., Baton Rouge, La., assignor to Standard Oil Development Company. Production of high octane number aviation gasoline. 2,470,445, May 17.

Pye Limited, assignee: *See*—
Jackson, Donald.

Quist, Oscar: *See*—
Le Vesconte, Harold J., and Quist.

Radeke, Sidney J., Ann Arbor, Mich. Furring clip. 2,470,369, May 17.

Radio Corporation of America, assignee: *See*—
Anderson, Warren A.
Bierwirth, Rudolph A.
Collins, Milford E.
Crosby, Murray G.
Demuth, Galan W.
Evans, John.
Greenough, Maurice L.
Hansell, Clarence W.
Hoyler, Cyril N., and Bierwirth.
Jacobs, Leonard.
Lererena, Humboldt W.
Rattner, Sydney.
Saikhi, George C.
Torsch, Charles E.
Williams, Ferd E.
Wood, Elton J.
Woodward, J. Guy.

Radio Patents Corporation, assignee: *See*—
Guanella, Gustav.

Ramsay, Frank R. F., assignor to D. Napier & Son Limited, London, England. Electrical ignition system. 2,470,413, May 17.

Randall, Roy H., Manchester, Mich. Looper. 2,470,642, May 17.

Rankin, Andrew W., Schenectady, N. Y., assignor to General Electric Company. Damper winding for dynamoelectric machines. 2,470,522, May 17.

Rankin, Thomas B., Brantford, Ontario, Canada. Heating and cooking apparatus. 2,470,446, May 17.

Rath, Herman P., North Bergen, N. J. Light switch. 2,470,643, May 17.

Rattner, Sydney, Baltimore, Md., assignor to Radio Corporation of America. Electronic synchronous signal regenerator. 2,470,722, May 17.

Raybestos-Manhattan, Inc., assignee: *See*—
Kaznick, Joseph N.

Raytheon Manufacturing Company, assignee: *See*—
Briggs, Rufus L.
Darrah, William C.
MacKenzie, Kenneth W.

Reaction Motors, Inc., assignee: *See*—
Lawrence, Lovell, Jr., and Wyld.

Redman, John C., Harrow Weald, England. Electrical measuring instrument. 2,470,644, May 17.

Reese, Earl R., and A. Upton, Newton, Ill. Body positioner attachment for caskets. 2,470,321, May 17.

Reichart, James H., Muncie, Ind. Portable electric barbecue. 2,470,645, May 17.

Renek, Henry: *See*—
Moody, Dwight L., and Renek.

Republic Flow Meters Company, assignee: *See*—
Ackley, Robert A.

Republic Steel Corporation, assignee: *See*—
Schulthels, Frank J.

Research Corporation, assignee: *See*—
Hall, Albert C.
Overbeck, Wilcox P.

Reyrolle, A., & Company Limited, assignee: *See*—
Allan, Archibald, and Small.

Rhodes, Charles J., Wakefield, England. Press for cutting sheet metal. 2,470,110, May 17.

Rhodes, Lewis R., Washington, D. C., and T. J. Lehane, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Sensible heat control system. 2,470,188, May 17.

Richardson, Charles L., Belmont, Mass. Clothes drier. 2,470,646, May 17.

Richardson, Lloyd D., Dayton, Ohio, assignor to Hansen Manufacturing Company, Inc., Princeton, Ind. Electric motor bearing. 2,470,264, May 17.

Richter, Henry, assignor to Paramount Textile Machinery Co., Kankakee, Ill. Setting apparatus for textile fabrics. 2,470,265, May 17.

Richter, Henry, assignor to Paramount Textile Machinery Co., Kankakee, Ill. Ejector mechanism for retorts. 2,470,266, May 17.

Rippenbein, Albert P., New York, N. Y. Folding pedal wrench. 2,470,414, May 17.

Ritter, Saul, New York, N. Y. Watch band display package. 2,470,370, May 17.

Roberts, Leslie, Bradford, assignor to The English Electric Company, Limited, London, England. Armature construction for dynamoelectric machines. 2,470,647, May 17.

Roche, Paul C., assignor to National Organ Supply Company, Erie, Pa. Plastic fastening. 2,470,723, May 17.

Roderick, Howard F., Grosse Ile, and F. M. Zorn, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Complex calcium carbonate-silicate pigment product and making same. 2,470,577, May 17.

Roehm, William A.: *See*—
Karbol, Edward, and Roehm.

Roessner, William L., assignor to N. A. Grassfield, Cherry Hills Village, Colo. Automatically operable fire extinguisher. 2,470,371, May 17.

Rohleder, John J., Baltimore, Md. Combined adjustable curtain and blind bracket. 2,470,648, May 17.

Ronning, Martin: *See*—
Korsmo, Alfred, and Ronning.

Ronning, Martin, St. Louis Park, and K. M. Keith, Minneapolis, assignors, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn. Feed regulating means for baler tying mechanisms. 2,470,724, May 17.

Roos, Paul A.: *See*—
Lindgren, Nils, and Roos.

Rosaire, Esme E., assignee: *See*—
Horvitz, Leo.

Rosental, Frits, Gloucester City, N. J., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Thermosetting phenolic molding compositions. 2,470,322, May 17.

Rosmait, John A., Appleton, assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Paper pulp agitator. 2,470,267, May 17.

Rossell, William T., assignor to Transit Research Corporation, New York, N. Y. Armrest and stanchion. 2,470,649, May 17.

Roth, Jay M., Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Ball type pressure relief valve. 2,470,372, May 17.

Rowan, Maurice, Richmond Hill, N. Y. Safety thermostatic control for gaseous burners. 2,470,268, May 17.

Royster, Percy H., Bethesda, Md. Thermal molecular alteration of carbon compounds. 2,470,578, May 17.

Rubissow, George A., New York, N. Y. Bettering pelts and hides. 2,470,111, May 17.

Rubissow, George A., New York, N. Y. Manufacturing molds. 2,470,180, May 17.

Rueckel, Walter C., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Ceramic nozzle for regenerative underjet coke ovens. 2,470,112, May 17.

Rueckert, Dean E., Mokena, assignor to Swift & Company, Chicago, Ill. Packaging food products. 2,470,570, May 17.

Runde, Kenneth R.: *See*—
Tallman, Oscar F., Runde, and Kearney.

Russell, William N., Philadelphia, Pa. Machine for making reinforced concrete beams. 2,470,650, May 17.

Russo, Giuseppe, New York, N. Y. Match book. 2,470,523, May 17.

Rust, George M.: *See*—
Andreasen, Arthur A., and Rust.

Rydner, Gustaf W., Detroit, Mich. Swimmer's boat. 2,470,725, May 17.

Sarason, Paul: *See*—
Bucky, Peter A., and Sarason.

Sadler, Harry J.: *See*—
Cook, Ernest E., and Sadler.

Sayers, John L., Watford, assignor to A. Greening, Sparrows Herne, Bushey, England. Jointing of flexible pipes. 2,470,373, May 17.

Schaefer, Ralph, assignor to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Friction material. 2,470,269, May 17.

Schaffel, Gerson S., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Polymers of condensation product of aryl diether dicarboxylic acid and dihydric alcohol. 2,470,651, May 17.

Schafroth, Werner, Brookline, assignor to International Staple and Machine Company, Clifton Heights, Pa. Anvil clinching stapling machine. 2,470,727, May 17.

Schafroth, Werner, Brookline, and G. M. Beal, Lansdowne, assignors to International Staple and Machine Company, Clifton Heights, Pa. Staple remover. 2,470,726, May 17.

Schaul, Martin C., London, England. Production of food preparations from potatoes and similar farinaceous tubers. 2,470,374, May 17.

Scherbatskoy, Serge A., assignor to Well Surveys, Incorporated, Tulsa, Okla. Ionization chamber. 2,470,224, May 17.

Schlesman, Carleton H.: *See*—
Hochgesang, Frank P., and Schlesman.

Schlesman, Carleton H., Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mass spectrometer. 2,470,745, May 17.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of olefin polymers. 2,470,190, May 17.

Schneider, Gerhard G., Maplewood, and C. J. Hughes, East Orange, assignors to National Union Radio Corporation, Newark, N. J. Spray coating mechanism. 2,470,580, May 17.

Schnelderman, Morris: *See*—
Kohn, Harold B., and Schneiderman.

Schulman, Earl L., and A. C. Beller, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resistance thermometer. 2,470,653, May 17.

Schultheis, Frank J., Lakewood, assignor to Republic Steel Corporation, Cleveland, Ohio. Couch frame. 2,470,525, May 17.

Scholtz, Harold B., assignor to Bendix Aviation Corporation, South Bend, Ind. Valve. 2,470,746, May 17.

Schultz, Wallace H., Perkasie, Pa. Piano action. 2,470,654, May 17.

Schwartzberg, Alter L., Shreveport, La. Ventilator. 2,470,375, May 17.

Scofield, Raymond C., Hitchcock, assignor to Pan American Refining Corporation, Texas City, Tex. Industrial contacting material. 2,470,652, May 17.

Scovill Manufacturing Company, assignee: *See*—
Clemmons, Herbert D.
Fenton, Paul E., and Hinelster.

Scudder, Eliot R., assignor to Jarvis & Jarvis, Inc., Palmer, Mass. Intravenous stand attachment for wheel stretchers. 2,470,524, May 17.

Seagram, Joseph E., & Sons, Inc., assignee: *See*—
Andreasen, Arthur A., and Rust.

Seaman, Francis E., Columbus, Ohio. Locking system. 2,470,581, May 17.

Seasongood, Albert A., Melrose Park, assignor to Leeds and Northrup Company, Philadelphia, Pa. Indicating control knob. 2,470,582, May 17.

Seisel, Harry, London, England. Furniture. 2,470,113, May 17.

Selberg, Earnest T., assignor to Barnes Drill Co., Rockford, Ill. Drive mechanism. 2,470,415, May 17.

Sedgwick, Robert K., assignor to American Steel Foundries, Chicago, Ill. Relief valve control system. 2,470,583, May 17.

Seymour, George W., B. B. White, and A. J. Bellucci, Cumberland, Md., assignors to Celanese Corporation of America. Rapid ripening of cellulose esters. 2,470,191, May 17.

Seymour, George W., Maplewood, B. B. White, Summit, and A. J. Bellucci, East Orange, N. J., assignors to Celanese Corporation of America. Rapid ripening of cellulose esters. 2,470,192, May 17.

Sharp, Donald E., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for drawing sheet glass. 2,470,526, May 17.

Sharples, Thomas G.: *See*—
Bostock, Godfrey S., and Sharples.

Shaver, James B., assignee: *See*—
McDill, Rex D.

Shaw, Melvin C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Cooling and lubrication of compressors. 2,470,655, May 17.

Shaw, Morton R., Jr., assignor to Corning Glass Works, Corning, N. Y. Welding glass. 2,470,876, May 17.

Shell Development Company, assignee: *See*—
Chilton, Ernest G.
Peery, Norman F.

Shepeck, Albert C., Menominee, Mich. Vibrating block molding machine. 2,470,377, May 17.

Shepherd, Harold F., Springfield, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Dual fuel combustion system for internal-combustion engines. 2,470,747, May 17.

Sherwood, Robert M., and R. J. Urick, San Diego, and L. P. Delsasso, Los Angeles, Calif. Optical sound bearing system. 2,470,114, May 17.

Shiffer, William H.: *See*—
Clausen, William H., and Shiffer.

Shoemaker, Clyde A.: *See*—
Carrigan, Tracy, Holmes, and Shoemaker.

Sherrock, Christopher, Preston, England. Sliding vane rotary compressor. 2,470,656, May 17.

Siciliano, Samuel F., assignor to George C. Moore Company, Westerly, R. I. Weft detector. 2,470,527, May 17.

Siekmann, Harold J.: *See*—
Groene, William F., Siekmann, and Meyer.

Silver, Stan, assignor to Master Technique Board Co., New York, N. Y. Canvas panel for artists. 2,470,416, May 17.

Silverman, Abraham, Pittsburgh, Pa. Plumber's sewer snake apparatus. 2,470,225, May 17.

Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Illuminating system and control device for photographic enlargers. 2,470,584, May 17.

Simmon Brothers, Inc., assignee: *See*—
Simmon, Alfred.

Simonds, Frank C., Moylan, Pa. Apparatus for cooling air by the evaporation of liquids. 2,470,657, May 17.

Simpson, Walter M., Evansville, Ind. Reel assembly. 2,470,658, May 17.

Sims, Clark D., Elmhurst, Ill., assignor to Lily-Tulip Cup Corporation. Mounting bracket assembly for cup dispensers. 2470,528, May 17.

Sinclair Refining Company, assignee: *See*—
Watkins, Franklin M.

Skala, Ljubomir W., assignor of sixty per cent to M. M. Warner and ten per cent to H. Blech, Chicago, Ill. Production of chromium ammonium chloride complexes. 2,470,378, May 17.

Skiemar, Wenceslaw F., assignor of one-fourth to J. H. Ehardt, Chicago, Ill. Reverberatory furnace. 2,470,728, May 17.

Sloan, Edward C., Madison, Wis., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano key mounting. 2,470,650, May 17.

Small, Joseph: *See*—
Allan, Archibald, and Small.

Smith, Howard, Paper Mills Limited, assignee: *See*—
Winterburn, Fred.

Smith, Roland L., Belmont, assignor to Nuproducts Corporation, Cambridge, Mass. Coffee maker. 2,470,323, May 17.

Smith, Waldo G.: *See*—
Miller, John W., and Smith.

Smith, Wayne E.: *See*—
Morgan, John D., Merley, and Smith.

Smith and Weeson, Inc., assignee: *See*—
Norman, Joseph W., and Hellstrom.

Snyder, Leland H., Chicago, Ill., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Electric vibrator. 2,470,660, May 17.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Hochgesang, Frank P., and Schleeman.
Schlesman, Carleton H.

Solar Corporation, assignee: *See*—
Castner, George P.

Sonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phase-sequence voltage network. 2,470,601, May 17.

Sonoco Products Company, assignee: *See*—
Dunlap, Charles K.

Spalding, Thomas L.: *See*—
Ballar, Charles O., and Spalding.

Spellman, Erick: *See*—
Erickson, Charles, and Spellman.

Spencer, Elbert G.: *See*—
Baker, Frederick C., and Spencer.

Spencer, Lee, Phoenix, Ariz., assignor to American Brake Shoe Company, New York, N. Y. Guardrail assembly for railroad track equipment. 2,470,662, May 17.

Sperry, Russell L., Glendora, Calif., assignor to American Cyanamid Company, New York, N. Y. Preparation of 2-thioureido-4-methyl thiazole hydrochloride. 2,470,585, May 17.

Srofe, Jesse, assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Folding box. 2,470,270, May 17.

Stalker, Edward A., Bay City, Mich. Gas turbine power plant. 2,470,729, May 17.

Standard Car Truck Company, assignee: *See*—
Leese, Charles P.

Standard Oil Development Company, assignee: *See*—
Archibald, Francis M.
Camp, Elsa Q.
Corner, Eugene S.
Garrett, Bowman S.
Gohr, Edwin J., and Tyson.
Jackson, Robert M., and Harrington.
Leland, Hollis L.
Lieber, Eugene, and Cashman.
Nelson, Karl J.
Patterson, John A.
Purdy, Kenneth M.
Vanderbilt, Byron M., and Hetchler.
Van Gilder, Carl F.
Verner, Jules.

Staudinger, Hanns P., Ewell, D. Faulkner, Cambridge, and M. D. Cooke, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Glycidyl ester copolymers. 2,470,324, May 17.

Steel, Joseph W.: *See*—
Kruse, William P., and Steel.

Stein, Albert P., assignee: *See*—
Gassman, Raymond M.

Stein, Joseph M., and R. W. Eggiestone, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Three-layer single-phase winding. 2,470,663, May 17.

Steinbacher, Le Roy S., Battle Creek, Mich. Receptacle support. 2,470,271, May 17.

Sterrett, Charles C., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Sealing means. 2,470,664, May 17.

Stevenson, Benjamin D., Flushing, Mich. Plow control. 2,470,730, May 17.

Stewart, Jack L.: *See*—
Fink, Theodore R., Stewart, and Finneburgh.

Stewart, William D., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Organic polysulfides. 2,470,115, May 17.

Stewart, William D., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Pesticidal composition of polyethylene polysulfide and nicotine sulfate. 2,470,529, May 17.

Stiebl, Charles W., South Milwaukee, Wis. Suction apparatus. 2,470,665, May 17.

Stillman, Theodore B., Brooklyn, N. Y. Pocketed ball game. 2,470,325, May 17.

Stratford, William M., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treatment of hydrocarbons. 2,470,193, May 17.

Stryhal, Joseph M., Miami, Fla. Grinding block arrangement. 2,470,530, May 17.

Submarine Signal Company, assignee: *See*—
Pryklund, Robert A.

Sufield, Frederick G., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tube. 2,470,666, May 17.

Suhi, Richard W., Sullivan, and E. C. Marxmiller, Arthur, Ill. Wagon tongue hitch. 2,470,531, May 17.

Sun Chemical Corporation, assignee: *See*—
Wekeman, Stephen N.

Sun Oil Company, assignee: *See*—
Hetzel, Stanford J., and Kennedy.
Kennedy, Robert M., and Hetzel.

Swain, Jay S., Los Angeles, Calif. Baby's bottle holder. 2,470,379, May 17.

Swain, Robert R.: *See*—
Waller, Fred, Dresser, Swain, and Wengel.

Swietoslawski, Wojciech, and J. R. Anderson, assignors to Koppers Company, Inc., Pittsburgh, Pa. Separation of compounds by crystallization. 2,470,116, May 17.

Swift & Company, assignee: *See*—
Rueckert, Dean E.

Sylvania Electric Products Inc., assignee: *See*—
Bowie, Robert M.
McNaughton, Roy A.
Orr, Mark J.

Salkind, George C., Princeton, N. J., assignor to Radio Corporation of America. Angle modulated carrier wave detector. 2,470,731, May 17.

Tabor, Joseph M.: *See*—
Kern, Charles J., and Tabor.

Tallman, Oscar F., St. Louis, and K. R. Runde, Lemay, assignors to James R. Kearney Corporation, St. Louis, Mo. Earth anchor. 2,470,326, May 17.

Tathwell, Joseph H., Charlotte, N. C. Maintaining multiple records. 2,470,586, May 17.

Taylor, Thaddeus A., Lufkin, Tex. Oxygen administering equipment. 2,470,587, May 17.

Tell-A-Turn Corporation, assignee: *See*—
Bucky, Peter A., and Sarason.

Temple, Stanley A., assignor, by mesne assignments, to Portable Industries, Inc., Cleveland, Ohio. Gun and projectile therefor. 2,470,117, May 17.

Tener, Wallis M., Lancaster, Pa. Clock hand removing tool. 2,470,327, May 17.

Terry, Charlee R., Tulsa, Okla. Burn-in tool. 2,470,194, May 17.

Texas Company, The, assignee: *See*—
Clarke, Louis A.
Stratford, William M.

Thomas, Albert G., Alexandria, Va. Automatic stove. 2,470,533, May 17.

Thomas, Albert G., Alexandria, Va. Circumferentially traveling type power-operated tire mounting and removing device. 2,470,534, May 17.

Thomas, Albert G., Lynchburg, Va. Electric iron with thermokinetic switch. 2,470,532, May 17.

Thomas, Albert G., Lynchburg, Va. Calculating machine. 2,470,535, May 17.

Thomas, Albert G., Lynchburg, Va. Electronic switch. 2,470,536, May 17.

Thomas, Thomas H., and E. R. Price, assignors to Bendix Aviation Corporation, South Bend, Ind. Booster unit for hydraulic pressure systems. 2,470,748, May 17.

Thompson, James G., Winston-Salem, N. C. Quarter boot. 2,470,195, May 17.

Thompson Products, Inc., assignee: *See*—
Alldredge, Marshall H.
Booth, James H.
Graham, Matthew P.

Thornefield, Geoffrey, London, England. Safety razor combined with blade conditioning means. 2,470,588, May 17.

Thrasher, William H., Birmingham, Ala. Electrical connector. 2,470,196, May 17.

Tide Water Associated Oil Company, assignee: *See*—
Hawes, Russell J.
Waugh, Stanley P.

Torkelson, Torkel E., Baldwin, N. Y., assignor to Associated Development & Research Corporation. Torque converter. 2,470,589, May 17.

Torsch, Charles E., Lancaster Township, Lancaster County, Pa., assignor to Radio Corporation of America. Electron beam deflection control system. 2,470,197, May 17.

Towle, Robert G., San Francisco, Calif. Drafting instrument for drawing ellipses. 2,470,328, May 17.

Transit Research Corporation, assignee: *See*—
Piron, Emil H.
Rossell, William T.

Traub, Ernest H., assignor to Philco Corporation, Philadelphia, Pa. Image forming projection with Schmidt-type optical system. 2,470,198, May 17.

Trevor, John B., Jr., Clinton, Md. Voltage multiplier. 2,470,118, May 17.

Trimmer, Russell S., Compton, Calif. Retractable golf bag cart. 2,470,272, May 17.

Tschumi, Otto, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland. Remote-controlled automatic telephone for loud trafic. 2,470,590, May 17.

Turawald, Wolfgang, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Variable-capacity controller for compressors. 2,470,380, May 17.

Tyson, Charles W.: *See*—
Gohr, Edwin J., and Tyson.

Undy, Gustav E., assignor to Weltronic Company, Detroit, Mich. Electrical control system. 2,470,119, May 17.

Union Special Machine Company, assignee: *See*—
Le Vasconte, Harold J., and Quist.

United Aircraft Products, Inc., assignee: *See*—
Warrick, Edward C., and Crusan.

United Shoe Machinery Corporation, assignee: *See*—
Baker, Corwin W.
Hubbard, Arthur R.

United States of America, assignee: *See*—
Goehmann, Maurice H.

Universal Atlas Cement Company, assignee: *See*—
Ludwig, Norman C.

Universal Oil Products Company, assignee: *See*—
Linn, Carl B.
Schmerling, Louis.

University of Tennessee Research Corporation, The, assignee: *See*—
Rosenthal, Fritz.

Upton, Albertus: *See*—
Reese, Earl R., and Upton.

Urick, Robert J.: *See*—
Sherwood, Robert M., Urick, and Delassso.

Valentino, Peter, Brooklyn, N. Y. Umbrella rib tip protector. 2,470,381, May 17.

Van Brunt, John Deere, Company, assignee: *See*—
Hyland, William A.

Vanderbilt, Byron M., Westfield, and J. D. Hetchler, Rutherford, N. J.; said Vanderbilt assignor to Standard Oil Development Company, and said Hetchler assignor to Archer-Daniels-Midland Company, Minneapolis, Minn. Emulsion polymerization in the presence of selectively hydrogenated tallow soaps. 2,470,417, May 17.

Van Gilder, Carll F., Roselle, N. J., assignor to Standard Oil Development Company. Stabilization of low unsaturation isoolefinic polymers. 2,470,447, May 17.

Vanity Fair Mills, Inc., assignee: *See*—
Young, George O.

Vanni, Pierre G., Neuchatel, Switzerland. Regulating and feed apparatus for internal-combustion engines. 2,470,382, May 17.

Van Norman Company, assignee: *See*—
Hoddinott, William M.

Vapor Heating Corporation, assignee: *See*—
Rhodes, Lewis B., and Lehane.

Vendorlator Manufacturing Company, assignee: *See*—
Childers, Harry S.

Verner, Jules, Linden, N. J., assignor to Standard Oil Development Company. Oil skimming device. 2,470,418, May 17.

Viola, Paul A. and V., Bridgeport, Conn. Window control device. 2,470,591, May 17.

Viola, Vincent: *See*—
Viola, Paul A. and V.

Virtu, Inc., assignee: *See*—
Karfiol, Edward, and Roehm.

Visscher, Joan F., Buenos Aires, Argentina, assignor to Hartford National Bank and Trust Company, Hartford, Conn., trustee. Negative transconductance electrical discharge tube. 2,470,732, May 17.

Vitarama Corporation, The, assignee: *See*—
Waller, Fred, Dresser, Swain, and Wengel.

Vivian, George S., Surbiton, England. Carton and secondary closure therefor. 2,470,199, May 17.

Von Uffel, Murray G., West Los Angeles, Calif. Combined steering wheel and braking mechanism. 2,470,273, May 17.

Votour, James E.: *See*—
Cafrella, Orrin G., and Votour.

Voytech, Charles F., assignor to Crane Packing Company, Chicago, Ill. Balanced, cooled, and lubricated rotary seal. 2,470,419, May 17.

Wahlberg, Nils E., Chicago, Ill., assignor to Nash-Kelvinator Corporation, Kenosha, Wis. Automotive transmission. 2,470,274, May 17.

Wakeman, Clifford M., Flint, Mich. Device for stabilizing trailers. 2,470,383, May 17.

Waldes Kohinoor, Inc., assignee: *See*—
Kolbert, Oswald, and Messer.

Waldron, Walter J., Pomona, Calif. Doll or toy figure with encased radio apparatus. 2,470,384, May 17.

Walker, Ass W., Buffalo, N. Y. Automatically controlled marker to record movement and means to provide relative values. 2,470,121, May 17.

Walker, Brooks, Piedmont, Calif. Bombing from fast moving planes. 2,470,120, May 17.

Wallach, Irving D., Port Washington, assignor to Associated Development & Research Corporation, New York, N. Y. Shoe sole. 2,470,200, May 17.

Waller, Fred, Huntington, N. Y., W. R. Dresser, Long Hill, Conn., R. R. Swain, Huntington, and R. W. Wengel, Rochester, assignors to The Vitarama Corporation, Long Island City, N. Y. Control band for gunnery training apparatus. 2,470,592, May 17.

Wals, Claude W.: *See*—
Boseman, Virgil F., Sr., Wals, Griff, and Clausen.

Wannamaker, William H., Jr.: *See*—
Eckman, Donald P., and Wannamaker.

War, the United States of America as represented by the Secretary of, assignee: *See*—
Avila, Charles F.
Bancora, Mario E.
Campbell, Arthur W.
Elmore, William C., and Marshall.
Fry, Glenn A.
Holden, Lawrence T.

Warner, M. M., assignee: *See*—
Skala, Ljubomir W.

Warrender, Ralph, Sharon, Pa. Bobsled. 2,470,448, May 17.

Warrick, Edward C., Cincinnati, Ohio, and H. Crusan, Los Angeles, Calif., assignors to United Aircraft Products, Inc., Dayton, Ohio. Oil cooler. 2,470,667, May 17.

Warshaw, Nathaniel, Brookline, assignor to Market Forge Co., Everett, Mass. Rollerway conveyer. 2,470,275, May 17.

Watkins, Franklin M., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Oil addend. 2,470,276, May 17.

Wauda, George E.: *See*—
Broeren, Frank L., Wauda, and Kuehl.

Waugh, Stanley P., Westfield, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Mineral oil compositions. 2,470,537, May 17.

Weaver, Harry D., assignor to Hamilton Watch Company, Lancaster, Pa. Cap-securing means. 2,470,226, May 17.

Webb, George A.: *See*—
Corson, Ben B., and Webb.

Webb, Herbert J.: *See*—
Ludwig, Leon R., Webb, and Baker.

Webb, Paul S., and J. R. Koster, Boulder City, Nev., assignors to Processed Surfaces, Inc., New York, N. Y. Hardened silicone surfaced cooking implement. 2,470,593, May 17.

Weller, Peter B.: *See*—
Lewis, Albert M., and Weller.

Wels, Arthur, Chicago, Ill. Garment clasp. 2,470,122, May 17.

Wekeman, Stephen N., Saddle River Township, Bergen County, N. J., assignor to Sun Chemical Corporation, New York, N. Y. Optical lens unit with image reversing means. 2,470,277, May 17.

Well Surveys, Incorporated, assignee: *See*—
Scherbatskoy, Serge A.

Welch, Charles E.: *See*—
Ferguson, Charles S., and Welsh.

Weltronic Company, assignee: *See*—
Undy, Gustav E.

Wengel, Raymond W.: *See*—
Waller, Fred, Dresser, Swain, and Wengel.

Wenger, Russell J., North Hollywood, assignor, by mesne assignments, to J. W. Merrick, Los Angeles, Calif. Air hammer with ball-type tool retaining chuck. 2,470,385, May 17.

Wenner, Wilhelm: *See*—
Platt, John T., and Wenner.

Werner, John F., Tracy, Minn. Roof ventilator. 2,470,201, May 17.

West, Howard K.: *See*—
Berger, Emil J., and West.

West, James R., G. B. Hill, and M. E. McClellan, Ottumwa, Iowa, assignors to Deere Manufacturing Co. Baling press. 2,470,278, May 17.

Western Electric Company, Incorporated, assignee: *See*—
Moss, Earl C.
Zimmerman, Walter W.

Westinghouse Electric Corporation, assignee: *See*—
Biebesheimer, William B.
Cumming, James M.
Easley, Gilbert J., and Bonine.
Friedrich, Robert E.
Geiselman, Ralph A., and Cuttino.
Krings, Bernard J.
Kuhn, Edmund W.
Langer, Bernard F., and Wommack.
Ludwig, Leon R., Webb, and Baker.
McClellan, Cyril E.
Mershon, Clarence L.
Schaffel, Gerson S.
Schulman, Earl L., and Beller.
Sonnemann, William K.
Stein, Joseph M., and Eggleston.
Sterrett, Charles C.
Suffield, Frederick G.
White, Alfred B.
Wrathall, John R.

Wheeler, Carl L., Albuquerque, N. Mex. Ski. 2,470,227, May 17.

White, Alfred B., Murrysville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding system. 2,470,668, May 17.

White, Blanche B.: *See*—
Seymour, George W., White, and Bellucci.

Whited, John E., Shawnee, Okla. Pipe racking apparatus. 2,470,279, May 17.

Whitney, Roy, Decatur, Ill. Tapering clip for hair clippers. 2,470,504, May 17.

Whittaker, Charles E.: *See*—
Goodwin, John S., and Whittaker.

Whitworth, Edward, West Kilbride, and J. C. Hornel, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Stabilized blasting explosive composition. 2,470,733, May 17.

Wickenden, Leonard, Westport, Conn. Filtering process. 2,470,202, May 17.

Wickenden, Leonard, Westport, Conn. Filter. 2,470,203, May 17.

Wico Electric Company, assignee: *See*—
Brownlee, Allen L.

Williams, Ferd E., Princeton, N. J., assignor to Radio Corporation of America. Phosphor materials. 2,470,449, May 17.

Williams, William A., London, England. Driving gear of multicylinder reciprocating-piston engines. 2,470,600, May 17.

Wilson, Fred E., assignor of one-half to G. O. Wray, Milwaukee, Wis. Pot type oil burner air heating furnace. 2,470,420, May 17.

Windus, Wallace, Bristol, Pa., assignor to John R. Evans & Company, Camden, N. J. Tanning with free formaldehyde and melamine simultaneously. 2,470,450, May 17.

Winkler, Albert H., and E. O. Wirth, assignors to Bendix Aviation Corporation, South Bend, Ind. Rotary expansible chamber pump. 2,470,670, May 17.

Winterburn, Fred, Cornwall, Ontario, assignor to Howard Smith Paper Mills Limited, Montreal, Quebec, Canada. Apparatus for controlling the speed of electric motors. 2,470,505, May 17.

Winther, Anthony: *See*—
Winther, Martin P. and A.

Winther, Martin P., Waukegan, Ill., and A. Winther, Kenosha, Wis., assignors to M. P. Winther, as trustee. Toroidal magnet field for dynamoelectric machines. 2,470,506, May 17.

Wirth, Emil O.: *See*—
Winkler, Albert H., and Wirth.

Wishon, Dewey W., Oak Ridge, Tenn. Radiator testing device. 2,470,204, May 17.

Withrow, Floyd E., Concord, Calif. Monolithic wall molding machine. 2,470,671, May 17.

Wolanske, Raymond, North Tonawanda, assignor to Hygrade Industries, Inc., Buffalo, N. Y. Pocket lighter for cigars and cigarettes. 2,470,734, May 17.

Wolfram, John N., and S. W. Packard, assignors to The Parker Appliance Company, Cleveland, Ohio. Four-piece hose coupling. 2,470,538, May 17.

Wolsey Limited, assignee: *See*—
Alexander, Peter.

Wommack, Kenneth L.: *See*—
Langer, Bernard F., and Wommack.

Wood, Arthur F.: *See*—
Coulter, John H., and Wood.

Wood, Elton J., Hopewell, N. J., assignor to Radio Corporation of America. Phosphors. 2,470,451, May 17.

Wood, Maurice L.: *See*—
Crampton, Donald K., and Wood.

Woodward, J. Guy, Princeton, N. J., assignor to Radio Corporation of America. Acoustic attenuator. 2,470,507, May 17.

Woody, Joseph R., Navy Yard, Charleston, S. C. Clip for pens and pencils. 2,470,421, May 17.

Wrathall, John R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rototrol scheme. 2,470,672, May 17.

Wrathall, John R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,470,673, May 17.

Wray, George O., assignee: *See*—
Wilson, Fred E.

Wright, Mildred B., Berwyn, Ill. Drapery fixture. 2,470,422, May 17.

Wurlitzer, Rudolph, Company, The, assignee: *See*—
Eberman, Augustus H.
Sloan, Edward C.
Zaiser, William.

Wyandotte Chemicals Corporation, assignee: *See*—
Roderick, Howard F., and Zorn.

Wyld, James H.: *See*—
Lawrence, Lovell, Jr., and Wyld.

Wyss, Raymond C., Tillamook, Oreg. Lock for irrigation pipe joints. 2,470,539, May 17.

Young, George O., Robesonia, assignor to Vanity Fair Mills, Inc., Reading, Pa. Thread tension mechanism. 2,470,123, May 17.

Young, George O., Robesonia, assignor to Vanity Fair Mills, Inc., Reading, Pa. Thread letoff feeding mechanism. 2,470,124, May 17.

Young, George O., Robesonia, assignor to Vanity Fair Mills, Inc., Reading, Pa. Automatic beam letoff. 2,470,125, May 17.

Young, Henry B., assignor to Mission Manufacturing Company, Houston, Tex. Protective sleeve for pump rods. 2,470,540, May 17.

Young, Henry B., Houston, Tex. Slush pump piston. 2,470,541, May 17.

Young, Leonard W., Moor Park, assignor to Ingersoll Limited, London, England. Staple for door locks. 2,470,735, May 17.

Zaiser, William, Rockville Center, N. Y., assignor to The Rudolph Wurlitzer Company, Chicago, Ill. Piano casing. 2,470,674, May 17.

Zenith Radio Corporation, assignee: *See*—
Bell, John F.
Bennin, Zolmon.

Zimmerman, Walter W., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical power supply. 2,470,542, May 17.

Zorn, Fritz M.: *See*—
Roderick, Howard F., and Zorn.

LIST OF PLANT INVENTIONS

Honey locust tree. J. D. Siebenthaler. 836, May 17.
Lilac plant. W. H. Clarke. 837, May 17.

LIST OF DESIGN INVENTIONS

Applicator, Liquid wax. E. Belanger and G. Mercier. 153,757, May 17.
Ash tray. L. A. Revell. 153,824, May 17.
Atomizer. A. Platt. 153,759, May 17.
Bag or like receptacle. A. Hochner. 153,799, May 17.
Bank, Pig. S. Dubiner. 153,775, May 17.
Barrette. N. L. Solomon. 153,831–2, May 17.
Base, Floor lamp. I. I. Gotliffe. 153,790, May 17.
Bottle. R. G. Gulley. 153,792, May 17.
Bracelet, Extensible watch. C. Schaeffer. 153,827, May 17.
Buckle or similar article, Belt. O. A. Thoresen. 153,836, May 17.
Cabinet for lubricating equipment. A. P. Fox and A. D. Reisert. 153,782, May 17.
Cabinet, Therapeutic. G. H. Hansen, G. J. Schroer, and C. J. Curtis. 153,794, May 17.
Cap and eye shield, Combination. S. Feldman. 153,778, May 17.
Case, Watch. H. Dinhofer. 153,771–4, May 17.
Chain for a bracelet or similar article. M. Chernow. 153,764, May 17.
Chain, Jewelry. P. Hardach. 153,753–5, May 17.
Chain, Key. P. S. Zahora. 153,839, May 17.
Chair, Child's. E. A. Ward. 153,838, May 17.
Charm or similar article. K. A. Harrington, 153,795, May 17.
Chest, Folding jewel. C. C. Settle. 153,828, May 17.
Cleaner for automobiles or the like, Steam. A. C. Fletcher. 153,780, May 17.
Clip finding, Ear. K. F. Hoeckele. 153,800, May 17.
Coffee maker or similar article. G. Robbiati. 153,826, May 17.
Container for cosmetics and closure therefor, Combination. H. F. P. Hageman, V. I. Mora, and H. C. Richardson. 153,703, May 17.
Cover plate, Electrical push-button. W. Huppert. 153,803, May 17.
Crutch. C. B. Neptune. 153,818, May 17.
Desk writing unit. L. J. Campbell. 153,763, May 17.
Display box. J. Heim. 153,797, May 17.
Display device, Bubble blowing. H. Margolis. 153,814, May 17.
Display sign. G. C. Gettelman. 153,784, May 17.
Doll head. C. H. Boughman. 153,761, May 17.
Dolly, Scrub bucket. F. H. Gruettner. 153,791, May 17.
Fixture, Lighting. E. B. Kirk. 153,809, May 17.
Fixture, Lighting. J. S. Walsh. 153,837, May 17.
Flask. C. A. Gladstone. 153,786, May 17.
Font of sign letters or similar article. J. E. Baker. 153,752, May 17.
Frame, Handbag. A. J. Fieres. 153,779, May 17.
Frame or the like, Picture. M. Y. Goldberg. 153,787–8, May 17.
Frame, Picture. E. Olszewski. 153,819, May 17.
Grinder. M. K. Apple. 153,751, May 17.
Hairpin holder and opening fixture, Combined. J. A. Bennett. 153,758, May 17.
Hairpin receptacle and opener, Combined. J. J. Koslap. 153,810, May 17.
Handbag. E. Hogan. 153,760, May 17.
Handbag. L. Kaufman. 153,808, May 17.
Handle for cooking utensils. A. D. Mortrude. 153,817, May 17.
Handle, Stove. R. F. Heffernan. 153,706, May 17.
Hook, Salvage. H. J. Elmmerman. 153,776, May 17.
Housing for X-ray tube and blower. E. R. Goldfield and H. C. Schiring. 153,789, May 17.
Housing, Vending machine. C. A. Hokinson. 153,802, May 17.
Knife or similar article. C. H. Alexander. 153,740, May 17.
Lace. R. L. Anderson. 153,750, May 17.
Lamp, Glow. A. H. Hoffeditz. 153,801, May 17.
Lamp, Nursery. E. Brenner. 153,762, May 17.
Lighter, Cigarette. L. Florman. 153,781, May 17.
Lock, Flexible cable. E. G. Reese and G. B. Fenstermaker. 153,823, May 17.
Mold for food patties. J. H. Osgood and W. A. Goodwin. 153,820, May 17.
Negligee. V. Giovagnoni. 153,785, May 17.
Perfume bottle and container, Combined. R. Denis. 153,767, May 17.
Plaque, Wall. D. D. Stockdale. 153,834, May 17.
Polisher. C. Karstadt. 153,807, May 17.
Pull, Drawer. C. W. Sundberg and M. Ferar. 153,835, May 17.
Ring, Finger. H. J. A. Skipp. 153,829–30, May 17.
Seat, Combined fishing reel and rod. E. P. Hurd. 153,804, May 17.
Servicing unit, Automobile. B. A. Beaver. 153,756, May 17.
Shell for a bracelet or similar article. E. G. O. Anderson. 153,747, May 17.
Shell for an expansible bracelet or similar article, Top. E. G. O. Anderson. 153,748–9, May 17.
Shoe or similar article. H. Diamant. 153,708–70, May 17.
Signal for motor vehicles or the like, Directional. S. Pedersen, F. W. Neumeyer, and L. P. Helmey. 153,821, May 17.
Signal light and ash receiver, Combined. A. C. Conner. 153,766, May 17.
Signal light for motor vehicle or similar article, Portable. F. K. Hussey. 153,805, May 17.
Sinker or the like, Fishing line. C. L. Hinkson. 153,798, May 17.
Spoon or similar article of flatware. A. A. Eisenberg. 153,777, May 17.
Spoon, Scoop. C. D. George. 153,783, May 17.
Stand, Lamp. E. M. St. John. 153,833, May 17.
Support for manicuring operations, Finger. R. J. McKee. 153,815, May 17.
Teakettle. A. D. Mortrude. 153,816, May 17.
Television antenna. R. Hiderman. 153,825, May 17.
Textile fabric. J. H. Abt. 153,745, May 17.
Toy pistol. P. Lim. 153,811, May 17.
Trimmer, Hedge. I. Jepson. 153,806, May 17.
Umbrella. I. Lusterman. 153,812–13, May 17.
Vine holder and wall bracket therefor, Combined. H. J. Pruchnow. 153,822, May 17.
Wagon with dump body, Child's. A. J. Chroninger. 153,765, May 17.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorption process. R. M. Jackson and P. J. Harrington. 2,470,438, May 17.
Actuating means for simulated radio compass on aviation trainers. F. O. Ibiach. 2,470,101, May 17.
Adjustable cutting and marking die. G. S. Bostock and T. G. Sharples. 2,470,135, May 17.
Adsorption process, Continuous. W. H. Claussen and W. H. Shiffer. 2,470,339, May 17.
Agitator for apparatus subjecting liquid to electrical potential between electrodes, Automatic. H. L. Gordon. 2,470,741, May 17.
Aircraft, Jet-propelled. J. L. Haight, Jr. 2,470,348, May 17.
Aircraft, Tandem wing. T. C. Campbell and E. V. Hall. 2,470,602, May 17.
Aircraft release device. A. H. Eberman. 2,470,294, May 17.
Air feeder construction, Fireplace. R. H. Carter. 2,470,430, May 17.
Air flow control means. F. Honerkamp and F. J. Kurth. 2,470,488, May 17.
Airplane wing leading edge construction. R. E. Barrick and A. Morison. 2,470,128, May 17.
Air washer. G. E. Fenn. 2,470,345, May 17.
Alarm particularly for storage battery electrolytes, Liquid level. E. J. Marcou. 2,470,630, May 17.
Aligning apparatus, Printing form. A. J. Hoerth. 2,470,437, May 17.
Alkali-alkaline earth hydroxide-impregnated carbon catalyst and its preparation. A. G. Carter. 2,470,688, May 17.
Alpha-halogen alkyl tetrasoles and obtaining the same, Substituted. E. K. Harvill and R. M. Herbst. 2,470,084, May 17.
Alternating current impedance meter. R. G. Piety. 2,470,412, May 17.
Alternating current load indicator. R. L. Briggs. 2,470,334, May 17.
Aluminium, Production and refining of. P. Gross, 2,470,306, May 17.
Amino alkyl tetrasoles, Substituted. E. K. Harvill and E. M. Herbst. 2,470,085, May 17.
Ammunition box. C. T. Diaper. 2,470,476, May 17.
Analytical apparatus. A. G. Jordan. 2,470,353, May 17.
Analysing method and apparatus. D. P. Eckman and W. H. Wannamaker, Jr. 2,470,434, May 17.
Anchor, Earth. O. F. Tallman and K. R. Bunde. 2,470,326, May 17.
Antisplitting means for articles of timber. G. W. Muller. 2,470,514, May 17.
Anvil, Adjustable. R. F. Hollis. 2,470,487, May 17.
Apparatus for and method of dressing cylindrical surfaces. C. W. Mott. 2,470,221, May 17.
Apparatus for and method of feeding molten glass. W. T. Honiss. 2,470,558, May 17.
Apparatus for applying wax to thin sheets. H. Q. R. Crowder and E. A. Bronson. 2,470,093, May 17.
Apparatus for carrying out catalytic reactions. E. J. Gohr and C. W. Tyson. 2,470,395, May 17.
Apparatus for casting stereotype plates. C. S. Crafts. 2,470,146, May 17.
Apparatus for comminution of molten metals. M. H. Meighan and K. N. Brown. 2,470,589, May 17.
Apparatus for contacting a liquid and a vapor. T. A. Gadwa and D. B. Flaws. 2,470,483, May 17.
Apparatus for controlling the speed of electric motors. F. Winterburn. 2,470,595, May 17.
Apparatus for cooling air by the evaporation of liquids. F. C. Simonds. 2,470,657, May 17.
Apparatus for cooling hollow glassware. W. E. Aksomitas. 2,470,226, May 17.
Apparatus for deleading gasoline. J. D. Morgan, S. R. Merley, and W. E. Smith. 2,470,634, May 17.
Apparatus for drawing sheet glass. D. E. Sharp. 2,470,526, May 17.
Apparatus for forming precision-bore tubing or the like. N. Brewer. 2,470,234, May 17.
Apparatus for handling chipper knives. S. D. Payser. 2,470,261, May 17.
Apparatus for heating metallic articles of large surface area to volume ratio, Radio frequency. R. A. Bierwirth. 2,470,285, May 17.
Apparatus for working plastic material. C. H. Parmelee and A. J. Briggs. 2,470,638, May 17.
Appliance, Automatic coal dumping. F. E. Christopher. 2,470,472, May 17.
Apron, Long draft. B. R. Billmeyer. 2,470,599, May 17.
Arc welding apparatus and method, Semiautomatic. K. K. Madsen. 2,470,178, May 17.
Armrest and stanchion. W. T. Rossell. 2,470,649, May 17.
Armature construction for dynamoelectric machines. L. Roberts. 2,470,647, May 17.
Arrangement for cooling combustion chambers. H. Pfenninger. 2,470,184, May 17.
Artificial foot. S. E. Fogg. 2,470,480, May 17.
Ash tray. J. Leaman. 2,470,501, May 17.
Assembly for railroad track equipment, Guardrail. L. Spencer. 2,470,662, May 17.
Attachment for caskets, Body positioner. E. R. Reese and A. Upton. 2,470,321, May 17.
Attachment for conventional internal-combustion engines, Electric circulatory water heater. E. Haugland. 2,470,495, May 17.
Attachment for dining tables, Revolving. B. C. Hartzler. 2,470,165, May 17.
Attachment for tractor drawbars, Lift. U. S. Felsing. 2,470,242, May 17.
Attachment for wheel stretchers, Intravenous stand. E. B. Scudder. 2,470,524, May 17.
Attenuator, Acoustic. J. G. Woodward. 2,470,597, May 17.
Automatic air gauge. A. C. Hallmark. 2,470,164, May 17.
Automatic egg boiler. N. Desjardins. 2,470,548, May 17.
Automatic inverse modulation valve. S. J. Levine. 2,470,503, May 17.
Automatic release collar clamp. E. N. Neckel. 2,470,516, May 17.
Baby bottle holder. L. S. Foo. 2,470,694, May 17.
Baby's bottle holder. J. S. Swaim. 2,470,379, May 17.
Baling press. J. E. West, G. B. Hill, and M. E. McClellan. 2,470,278, May 17.
Ball type pressure relief valve. J. M. Roth. 2,470,372, May 17.
Bar system and lamp fitting comprising such a bar system. J. Bergmans, C. A. Lamberts, and C. H. J. Anderson. 2,470,284, May 17.
Barbecue, Portable electric. J. H. Reichart. 2,470,645, May 17.
Base, Swivel chair. E. S. Harter. 2,470,397, May 17.
Battery post clamp. H. R. Martin. 2,470,104, May 17.
Beam letoff, Automatic. G. O. Young. 2,470,125, May 17.
Bearing: *See*—
Electric motor bearing.
Bearing construction, Self-aligning. T. Y. Korsgren. 2,470,354, May 17.
Belt and radio receiver, Antenna. O. G. Cafrella and J. E. Votour. 2,470,687, May 17.
Bench, Planer. V. D. and E. Belfield. 2,470,330, May 17.
Bettering pelts and hides. G. A. Rubissow. 2,470,111, May 17.
Bicycle frame. H. N. Maier and T. H. Pickering. 2,470,441, May 17.
Bit: *See*—
Cone type well drilling bit.
Blind stitching means. S. J. Birginal. 2,470,286, May 17.
Block: *See*—
Snatch block.
Block arrangement, Grinding. J. M. Stryhal. 2,470,530, May 17.
Board: *See*—
Chance controlled game board.
Boat, Swimmer's. G. W. Rydner. 2,470,725, May 17.
Bobsled. R. Warrender. 2,470,448, May 17.
Boiler: *See*—
Automatic egg boiler.
Bombing from fast moving planes. B. Walker. 2,470,120, May 17.
Book, Match. G. Russo. 2,470,523, May 17.
Booster unit for hydraulic pressure systems. T. H. Thomas and E. R. Price. 2,470,748, May 17.
Boot, Quarter. J. G. Thompson. 2,470,195, May 17.
Booth, Egg candling. P. J. Blackwell. 2,470,462, May 17.
Bottle rack. M. H. Fitzgerald. 2,470,154, May 17.
Box: *See*—
Ammunition box. Folding box.
Collapsible box.
Bracket: *See*—
Combined adjustable curtain and blind bracket. Windshield visor mounting bracket.
Festoon bracket.
Bracket assembly for cup dispensers, Mounting. C. D. Sims. 2,470,528, May 17.
Buckle and bottle cap remover, Combined belt. R. C. Dennison. 2,470,606, May 17.
Burn-in tool. C. R. Terry. 2,470,194, May 17.
Burner: *See*—
Vaporising type oil burner. Vertical semicylindrical burner.

Burner with removable cap, Double gas. E. H. Mueller. 2,470,713, May 17.
Burner with vaporising assembly, Liquid fuel. J. L. Breese. 2,470,682, May 17.
Butadienes, Emulsion polymerising. G. P. Mack. 2,470,629, May 17.
Calcined diatomaceous earth product. C. A. Frankenhoff. 2,470,346, May 17.
Calcining apparatus. V. J. Asbe. 2,470,543, May 17.
Calcium carbonate-silicate pigment product and making same, Complex. H. F. Roderick and F. M. Zorn. 2,470,577, May 17.
Calculating machine. A. G. Thomas. 2,470,535, May 17.
Calculator. H. B. Kohn and M. Schneiderman. 2,470,495, May 17.
Calendar, Perpetual. I. A. Farr. 2,470,692, May 17.
Caliper, Inside thread. J. D. Lee. 2,470,254, May 17.
Camera shutter. A. W. Campbell. 2,470,139, May 17.
Canopy, Extensible. R. L. Campbell. 2,470,337, May 17.
Cap: *See*—
Ventilator cap.
Cap-securing means. H. D. Weaver. 2,470,226, May 17.
Carboxythiophanes and preparing same. B. R. Baker. 2,470,739, May 17.
Card for bingo or lotto games, Indicator. H. Heyman. 2,470,310, May 17.
Carrier: *See*—
Textile thread carrier.
Carrier and display pen, Combination animal. J. Powels. 2,470,223, May 17.
Cart, Retractable golf bag. R. S. Trimmer. 2,470,272, May 17.
Carton and secondary closure therefor. G. S. Vivian. 2,470,199, May 17.
Case: *See*—
Key case.
Catalysts of the silica-alumina type, Production of. C. C. Chapman and H. V. Hendrix. 2,470,142, May 17.
Catalytic dealkylation of alkylated compounds. C. W. Montgomery and W. A. Horne. 2,470,712, May 17.
Caustic resistant etherified phenolformaldehyde resins. H. L. Bender and A. G. Farnham. 2,470,130, May 17.
Cellulose esters, Rapid ripening of. G. W. Seymour, B. B. White, and A. J. Bellucci. 2,470,191–2, May 17.
Cement and making the same, Slow setting. N. C. Ludwig. 2,470,505, May 17.
Chair: *See*—
Collapsible wheel chair. Reclining chair.
Chance controlled game board. N. McLeod. 2,470,632, May 17.
Charge forming device. F. C. Mock. 2,470,098, May 17.
Chime device, Electric. G. L. Bossard. 2,470,600, May 17.
Chromium ammonium chloride complexes, Production of. L. W. Skala. 2,470,378, May 17.
Chuck, Self-locking. H. L. Proctor. 2,470,720, May 17.
Circuit: *See*—
Spread band tuning circuit.
Circuit breaker. J. M. Cumming. 2,470,604, May 17.
Circuit breaker. G. J. Easley and R. O. Bonine. 2,470,608, May 17.
Circuit interrupter. R. E. Friedrich. 2,470,611, May 17.
Circuit interrupter. L. R. Ludwig, H. J. Webb, and B. P. Baker. 2,470,628, May 17.
Clamp: *See*—
Automatic release collar Battery post clamp.
clamp.
Clasp, Garment. A. Weis. 2,470,122, May 17.
Clip: *See*—
Furring clip.
Clip for fountain pens and other articles. D. Coyne. 2,470,431, May 17.
Clip for hair clippers, Tapering. R. Whitney. 2,470,594, May 17.
Clip for pens and pencils. J. R. Woody. 2,470,421, May 17.
Clip retaining tool. P. P. Hepp. 2,470,309, May 17.
Clipper, Hair. C. E. Carter. 2,470,287, May 17.
Clock hand removing tool. W. M. Tender. 2,470,327, May 17.
Closure and mask for cathode-ray tubes, Unitary. D. Jackson. 2,470,620, May 17.
Cloth inspection and banding system. O. J. Norton. 2,470,575, May 17.
Clothes drier. C. L. Richardson. 2,470,646, May 17.
Coating mechanism, Spray. G. G. Schneider and C. J. Hughes. 2,470,580, May 17.
Coatings for foods, Preservative. W. J. Allingham. 2,470,281, May 17.
Coffee maker. R. L. Smith. 2,470,323, May 17.
Coiling machine for strip material. B. S. Burrell. 2,470,235, May 17.
Collapsible box. A. M. Lewis and P. B. Weller. 2,470,174, May 17.
Collapsible wheel chair. F. Mustafa. 2,470,258, May 17.
Comb device, Hair. N. Gambino. 2,470,157, May 17.
Combined adjustable curtain and blind bracket. J. J. Rohleder. 2,470,648, May 17.
Combustion system for internal-combustion engines, Dual fuel. H. F. Shepherd. 2,470,747, May 17.
Commutator. M. Y. Eck. 2,470,096, May 17.
Compensator for aerial camera lenses, Automatic altitude and pressure. C. F. Avila. 2,470,455, May 17.
Composition for treating metallic wear surfaces. H. M. Bramberry. 2,470,136, May 17.
Compounds by crystallisation, Separation of. W. Swietoslawski and J. R. Anderson. 2,470,116, May 17.
Compressor, Sliding vane rotary. C. Shorrock. 2,470,656, May 17.
Compressors, Cooling and lubrication of. M. C. Shaw. 2,470,655, May 17.
Computer. M. L. Greenough. 2,470,303, May 17.
Condensing fatty acid halides with aromatic acid halides. E. Lieber and A. F. Cashman. 2,470,504, May 17.
Cone type well drilling bit. J. S. Goodwin and C. E. Whittaker. 2,470,695, May 17.
Connection device, Electrical. H. E. Page. 2,470,320, May 17.
Connector: *See*—
Electrical connector.
Contacting material, Industrial. R. C. Scofield. 2,470,652, May 17.
Container: *See*—
Currency container.
Container having closure locking means, Dispensing. C. O. Ball. 2,470,386, May 17.
Contrast measuring apparatus having relatively rotatable polarising elements for optical sighting instruments. G. A. Fry. 2,470,186, May 17.
Control apparatus for radio systems and the like, Selective. R. W. May. 2,470,587, May 17.
Control band for gunnery training apparatus. F. Waller, W. R. Dresser, R. R. Swain, and R. W. Wengel. 2,470,592, May 17.
Control for gaseous burners, Safety thermostatic. M. Rowan. 2,470,268, May 17.
Control for variable displacement pumps. W. M. Hoddinott. 2,470,617, May 17.
Control means for towel cabinets. L. L. Price. 2,470,186, May 17.
Control mechanism for automatic firearms, Firing rate. A. Gasda. 2,470,158, May 17.
Control system, Dynamic braking. B. J. Krings. 2,470,624, May 17.
Control system, Electrical. G. E. Undy. 2,470,119, May 17.
Control system, Electron beam deflection. C. E. Torsch. 2,470,197, May 17.
Control system for hydraulic pumps supplying hydraulic fluid to double-acting rams of hydraulic presses. H. F. MacMillin. 2,470,357, May 17.
Control system, Relief valve. R. K. Sedgwick. 2,470,588, May 17.
Control system, Temperature. C. L. Mershon. 2,470,633, May 17.
Controller for compressors, Variable-capacity. W. Turnwald. 2,470,380, May 17.
Controlling system, Wattage. L. F. Bird. 2,470,480, May 17.
Converter, Torque. T. E. Torkelson. 2,470,589, May 17.
Conveyer carrier blades with equalizer tops. E. A. Lerner. 2,470,253, May 17.
Conveyer, Current. E. W. Preble. 2,470,521, May 17.
Conveyer, Rollerway. N. Warshaw. 2,470,275, May 17.
Conveyer, Rotary. C. N. Hoyler and R. A. Bierwirth. 2,470,311, May 17.
Conveyer system for cargo airports. J. González and Y. Meer. 2,470,096, May 17.
Cooler: *See*—
Oil cooler.
Cooler, including agitator motor and heat removing device therefor, Liquid. M. W. Fish. 2,470,551, May 17.
Cooling the internal surface of a bottle, jar or other hollow glass article, T. D. Green. 2,470,245, May 17.
Corner construction. R. Klomparens. 2,470,403, May 17.
Couch frame. F. J. Schulthels. 2,470,525, May 17.
Counting system, Electronic. W. P. Overbeck. 2,470,716, May 17.
Coupling: *See*—
Four-piece hose coupling. Quick-action coupling.
Hose coupling.
Permanent magnet field coupling.
Coupling device, Disconnectible. N. B. Murphy. 2,470,317, May 17.
Coupling for tubes. W. Maky. 2,470,508, May 17.
Crankshaft lathe. W. F. Groene, H. J. Siekmann, and W. R. Meyer. 2,470,304, May 17.
Crystal, Piezoelectric. W. C. Elmore and J. F. Marshall. 2,470,609, May 17.
Crystal unit, Temperature compensated. H. M. Bach. 2,470,738, May 17.
Crystals, Finishing piezoelectric. H. M. Bach. 2,470,737, May 17.
Currency container. D. L. Moody and H. Renek. 2,470,362, May 17.
Cutter: *See*—
Glass cutter.
Cutting machine, Patch. V. E. Anderson. 2,470,229, May 17.
Cyclopropyl furyl propenone. J. W. Hansen and C. C. Cassil. 2,470,346, May 17.
Damper winding for dynamoelectric machines. A. W. Rankin. 2,470,522, May 17.

Deburring and polishing apparatus. E. E. Cook and H. J. Sadler. 2,470,340, May 17.
Decolorization and clarification of sugar liquors. A. R. Bolkcrt and G. G. Halvorsen. 2,470,332, May 17.
Dehydrogenation process. B. B. Corson and G. A. Webb. 2,470,092, May 17.
Demineralizing. F. I. L. Lawrence. 2,470,500, May 17.
Density responsive device. E. A. Haase and J. A. Bolt. 2,470,742, May 17.
Dental means and method. E. E. Beers. 2,470,679, May 17.
Deodorizer and making same, Carbonaceous. R. L. McHatton. 2,470,180, May 17.
Detection of impurities. R. D. McDill. 2,470,511, May 17.
Detector, Angle modulated carrier wave. G. C. Szikiai. 2,470,731, May 17.
Detector circuits, Limiting. M. G. Crosby. 2,470,240, May 17.
Detector, Distillation vapor loss. A. A. Andreasen and G. M. Rust. 2,470,230, May 17.
Detector, Weft. S. F. Siciliano. 2,470,527, May 17.
Device for measuring the thickness of walls or the like subject to erosion. H. Y. Lankford. 2,470,408, May 17.
Device for optically checking dirigible wheels. T. Carrigan, H. G. Holmes, and C. A. Shoemaker. 2,470,090, May 17.
Device for stabilizing trailers. C. M. Wakeman. 2,470,383, May 17.
Diamond abrasive articles, Manufacture of. J. N. Kuzmick. 2,470,440, May 17.
Die: *See*—
Adjustable cutting and marking die.
Diphenylamino compounds. J. H. Dickey and J. G. McNally. 2,470,095, May 17.
Direction indicator. S. Gabrielson. 2,470,482, May 17.
Discharge device with internal capacitor, Electric. H. R. Cummings. 2,470,605, May 17.
Dispenser: *See*—
Powdered medicine dispenser.
Towel dispenser.
Dispenser for adhesive tapes. V. L. De Luisi and C. F. Murtaugh. 2,470,342, May 17.
Distillation of alcohols containing impurities less soluble in water. J. A. Patterson. 2,470,222, May 17.
Distillation of alcohols from aqueous mixtures of alkyl sulfates and sulfuric acid. F. M. Archibald. 2,470,206, May 17.
Doctor blade mounting. L. Hornbostel. 2,470,400, May 17.
Doll or toy figure with encased radio apparatus. W. J. Waldron. 2,470,384, May 17.
Door closing device. F. H. Barger. 2,470,283, May 17.
Drier: *See*—
Clothes drier.
Drive mechanism. E. Y. Seborg. 2,470,415, May 17.
Driving and braking mechanism, Power-operated. E. R. Lochman. 2,470,103, May 17.
Driving mechanism, Spring-operated. A. Allan and J. Small. 2,470,675, May 17.
Dual check valve. G. E. Carleton. 2,470,471, May 17.
Dust collecting apparatus. J. H. Burke. 2,470,601, May 17.
Dye, Monoazo. J. H. Dickey and J. G. McNally. 2,470,094, May 17.
Ejector mechanism for retorts. H. Richter. 2,470,266, May 17.
Ejector type socket wrench. F. Holben. 2,470,309, May 17.
Electric cam snap switch. A. C. Gaynor. 2,470,613, May 17.
Electric fishing reel. D. A. Luton and K. M. Johnson. 2,470,507, May 17.
Electric motor bearing. L. B. Richardson. 2,470,264, May 17.
Electric pressure indicator. S. G. Nevius. 2,470,714, May 17.
Electrical apparatus. L. T. Holden. 2,470,618, May 17.
Electrical connector. W. H. Thrasher. 2,470,196, May 17.
Electrical outlet box attaching tool. S. A. Moore. 2,470,512, May 17.
Electrode, Collet type. J. H. Coulter and A. F. Wood. 2,470,603, May 17.
Electronic switch. A. G. Thomas. 2,370,536, May 17.
Emulsion polymerization in the presence of selectively hydrogenated tallow soaps. B. M. Vanderbilt and J. D. Hetchler. 2,470,417, May 17.
Engine combustion controlling device. C. W. MacMillan. 2,470,709, May 17.
Engine plant, Including a scavenging compressor driven by an exhaust gas turbine, Internal-combustion. J. E. Johansson. 2,470,702, May 17.
Ethers of oximino acid chlorides. W. H. Hartung. 2,470,083, May 17.
Excavating machine. M. H. Cramer. 2,470,147, May 17.
Exercising device. J. D. Bell. 2,470,544, May 17.
Expansion flange. J. C. and J. C. Hobbs, H. 2,470,107, May 17.
Exploration by soil analysis. L. Horvitz. 2,470,401, May 17.
Explosive composition, Stabilized blasting. E. Whitworth and J. C. Hornel. 2,470,733, May 17.
Extractor: *See*—
Motorized pressure juice extractor.
Fastener: *See*—
Slide fastener.
Fastener. W. Dana. 2,470,344, May 17.
Fastening, Plastic. P. C. Roche. 2,470,723, May 17.
Feedbox, Magazine. J. R. Botten. 2,470,463, May 17.
Fentoon bracket. J. H. Boye. 2,470,233, May 17.
Film gauge. C. W. Morse and H. C. Delchert. 2,470,513, May 17.
Film identifying and punching device. M. E. Collins. 2,470,291, May 17.
Filter. L. Wickenden. 2,470,203, May 17.
Filtering process. L. Wickenden. 2,470,202, May 17.
Fire alarm. I. O. Moberg. 2,470,711, May 17.
Fire extinguisher, Automatically operable. W. L. Roessner. 2,470,371, May 17.
Fish backbone removing machine. A. L. Christiansen, 2,470,289, May 17.
Fitting for fiber pipes. G. F. Haddican. 2,470,308, May 17.
Fixture, Drapery. M. R. Wright. 2,470,422, May 17.
Fixture, Rotary turret type workholding. W. A. Carlson. 2,470,429, May 17.
Flaw detection. W. C. Darrah. 2,470,341, May 17.
Flue stop, Inside. R. Dozier. 2,470,152, May 17.
Fluid and using the same, Well washing. W. E. Bergman. 2,470,132, May 17.
Fluid, Cutting. H. L. Leland. 2,470,405, May 17.
Fluid fuel burning floor furnace. J. S. Johnson. 2,470,247, May 17.
Fluid beater. E. Freeman. 2,470,481, May 17.
Foam-forming composition, Stabilized. J. M. Perri. 2,470,719, May 17.
Folding box. J. Srofe. 2,470,270, May 17.
Folding pedal wrench. A. P. Rippenbein. 2,470,414, May 17.
Food preparations from potatoes and similar farinaceous tubers, Production of. M. C. Schaul. 2,470,374, May 17.
Formaldehyde condensation products of mercaptans and making same. M. W. Harman. 2,470,555, May 17.
Four-piece hose coupling. J. N. Wolfram and S. W. Packard. 2,470,538, May 17.
Frame: *See*—
Bicycle frame.
Couch frame.
Frame and brake support structure, Side. C. J. Clasen. 2,470,237, May 17.
Frame for dynamoelectric machines. J. Nader. 2,470,408, May 17.
Friction bolster spring. C. P. Leese. 2,470,172, May 17.
Friction material. R. Schaefer. 2,470,209, May 17.
Froth flotation of oxide iron ore. F. D. DeVaney. 2,470,150, May 17.
Fuel feed control. J. W. Miller and R. E. Fell. 2,470,572, May 17.
Furfuryl alcohol compounds. E. Glycofrides. 2,470,394, May 17.
Furnace: *See*—
Fluid fuel burning floor furnace.
Reverberatory furnace.
Pot type oil burner air heating furnace.
Furniture. H. Sebel. 2,470,113, May 17.
Furring clip. S. J. Radeke. 2,470 369, May 17.
Game apparatus. F. L. Geary. 2,470,159, May 17.
Game board and apparatus. F. E. Green. 2,470,302, May 17.
Game, Pocketed ball. T. B. Stillman. 2 470,325, May 17.
Gang operated switch. J. A. Pollock and E. H. Coppinger. 2,470,576, May 17.
Garment, Maternity. P. Anslender. 2,470,678, May 17.
Gasoline, Production of high octane number aviation. K. M. Purdy. 2,470,445, May 17.
Gathering machine. J. G. Herrmann. 2,470,557, May 17.
Gauge: *See*—
Automatic air gauge.
Liquid level gauge.
Film gauge.
Gauge for checking the positions of parts mounted on the inner peripheries of cylindrical articles. E. C. Moss. 2,470,635, May 17.
Gauge for laying asphalt shingles. H. P. Peters. 2,470,183, May 17.
Gauging Epparatus. E. C. Moss. 2,470,636, May 17.
Gear of multicylinder reciprocating-piston engines, Driving. W. A. Williams. 2,470,669, May 17.
Generator brush tool. R. K. Clark. 2,470,091, May 17.
Geophysical prospecting, Method and apparatus for. F. P. Hochgesang and C. H. Schlesman. 2,470,743, May 17.
Glass cutter. G. A. Philippe. 2,470,444, May 17.
Glass, Making heated window. H. R. Marini. 2,470,509, May 17.
Glass, Manufacturing. L. V. Black. 2,470,461, May 17.
Glass, Welding. M. R. Shaw, Jr. 2,470,376, May 17.
Glycidyl ester copolymers. H. P. Staudinger, D. Faulkner, and M. D. Cooke. 2,470,324, May 17.
Golf ball tee. E. J. Nelson. 2,470,574, May 17.
Grilles for radio sets, Making. C. A. Bauer and W. A. Barnes. 2,470,380, May 17.
Grinder, Saw. J. R. Chrysl. 2,470,290, May 17.
Gun and projectile therefor. S. A. Temple. 2,470,117, May 17.

Gun, Probe pressure. E. G. Chilton. 2,470,338, May 17.
Gun, Spray. D. J. Peeps. 2,470,718, May 17.
Halogenation of aromatic hydrocarbons. A. S. Bronjes and M. J. P. Bogart. 2,470,336, May 17.
Hammer with ball-type tool retaining chuck, Air. R. J. Wenger. 2,470,385, May 17.
Harvester, Beet. V. F. Boseman, Sr., C. W. Walz, R. D. Griff, and H. F. Clausen. 2,470,211, May 17.
Head for air lifts, Eduction. J. A. Hersol. 2,470,639, May 17.
Heat control system, Sensible. L. B. Rhodes and T. J. Lehane. 2,470,188, May 17.
Heater: *See*—
Fluid heater.
Heating and cooking apparatus. T. H. Rankin. 2,470,446, May 17.
Heating apparatus, Forced air and gravity circulating. J. W. Miller. 2,470,571, May 17.
Heating device adapted to electric ranges. A. W. McIntyre. 2,470,181, May 17.
Heating unit, Electric. S. G. Olivares. 2,470,715, May 17.
Heterocyclic amines. J. T. Platt and W. Wenner. 2,470,108, May 17.
Heterocyclic amines. J. T. Platt and W. Wenner. 2,470,109, May 17.
Hitch, Wagon tongue. R. W. Suhl and E. C. Marxmiller. 2,470,531, May 17.
Hogshead, Tobacco. H. G. Bell. 2,470,459, May 17.
Holder: *See*—
Baby bottle holder.
Multiple crystal holder.
Baby's bottle holder.
Rope holder.
Holding element for hub collars. J. E. McCloskey. 2,470,170, May 17.
Hook: *See*—
Safety hook.
Hose coupling. P. C. McLean. 2,470,350, May 17.
Hydraulic apparatus. C. E. Adams. 2,470,086, May 17.
Hydrocarbon conversion process. N. E. Peery. 2,470,263, May 17.
Hydrocarbon oils, Cracking. H. Beuther. 2,470,080, May 17.
Hydrocarbons, Treatment of. W. M. Stratford. 2,470,193, May 17.
Hydrogen fluoride composition, Liquid. C. B. Linn. 2,470,175, May 17.
Ice-baiting jack. L. L. Elsemore. 2,470,610, May 17.
Ignition system, Electrical. F. R. F. Ramsay. 2,470,413, May 17.
Illuminating system and control device for photographic enlargers, A. Simmon. 2,470,584, May 17.
Image forming projection with Schmidt-type optical system, E. H. Traub. 2,470,198, May 17.
Implement, Hardened silicone surfaced cooking. P. S. Webb and J. R. Koster. 2,470,593, May 17.
Implement, Impact producing. F. W. Matzle. 2,470,406, May 17.
Incubator, Portable infant. J. L. Pragel. 2,470,721, May 17.
Indicator: *See*—
Alternating current load indicator.
Pocket flight position indicator.
Direction indicator.
Electric pressure indicator.
Inhalator. M. R. Fields. 2,470,296–7, May 17.
Injector for internal-combustion engines, Fuel. V. Pajumbo. 2,470,717, May 17.
Instrument, Electrical measuring. J. C. Redman. 2,470,644, May 17.
Instrument for drawing circular and curvilinear lines. G. A. Haederer. 2,470,697, May 17.
Instrument for drawing ellipses, Drafting. R. G. Towle. 2,470,328, May 17.
Insulation composition, Disintegrated newsprint-boric acid. F. G. Portz. 2,470,641, May 17.
Intermitter for cased wells, Flow. A. Boynton. 2,470,681, May 17.
Internal-combustion operated free-piston machine. E. S. L. Beale. 2,470,231, May 17.
Ionization chamber. S. A. Scherbatskoy. 2,470,224, May 17.
Iron ores, Reducing. V. F. Parry. 2,470,106, May 17.
Iron with thermokinetic switch, Electric. A. G. Thomas. 2,470,532, May 17.
Isobutylene extraction. B. S. Garrett. 2,470,207, May 17.
Isolator, Vibration. E. Pletz. 2,470,185, May 17.
Isomerization and alkylation of normal paraffins. L. A. Clarke. 2,470,144, May 17.
Iso-olefinic polymers, Stabilization of low unsaturation. C. F. Van Gilder. 2,470,447, May 17.
Jack: *See*—
Ice fishing jack.
Portable lifting jack.
Jack with control responsive to abnormal conditions, Hydraulic pumping. S. C. Kyle. 2,470,252, May 17.
Joint: *See*—
Swivel joint.
Joint assembly, High-angle. J. H. Booth. 2,470,210, May 17.
Joint for transmission lines, Sliding. C. E. McClellan. 2,470,631, May 17.
Keyboard for musical instruments. G. W. Demuth. 2,470,148, May 17.
Key case. D. J. Broughton. 2,470,466, May 17.
Knives, Handling chipper. S. D. Payzer. 2,470,262, May 17.
Knob, Indicating control. A. A. Seesongood. 2,470,582, May 17.
Lens unit with image reversing means, Optical. S. N. Wekeman. 2,470,277, May 17.
Lift, Accelerated variable buoyancy. A. J. Levin. 2,470,313, May 17.
Lift, Reciprocal buoyancy. A. J. Levin. 2,470,312, May 17.
Light switch. H. P. Rath. 2,470,643, May 17.
Lighter, Cigarette. H. A. Mason. 2,470,710, May 17.
Lighter for cigars and cigarettes, Pocket. R. Wolanske. 2,470,734, May 17.
Lighter, Fuses. G. D. McKown. 2,470,358, May 17.
Liquid level gauge. N. R. Matson and L. A. Millewski. 2,470,510, May 17.
Liquid treatment of yarns, Method of and apparatus for. W. H. Furness. 2,470,209, May 17.
Loader for revolvers. E. L. Peck. 2,470,182, May 17.
Lobster trap. J. R. MacDonald. 2,470,177, May 17.
Lock and valve for pneumatic conveying systems, Air. A. H. Korn. 2,470,744, May 17.
Lock for irrigation pipe joints. R. C. Wyss. 2,470,539, May 17.
Locking system. F. E. Seaman. 2,470,581, May 17.
Loop regulating mechanism for straight knitting machines. E. J. Berger and H. K. West. 2,470,131, May 17.
Looper. R. H. Randall. 2,470,642, May 17.
Lubricating device. H. R. Abbrecht. 2,470,366, May 17.
Machine for lapping wire drawing dies. P. Bieberich. 2,470,331, May 17.
Machine for making reinforced concrete beams. W. N. Russell. 2,470,650, May 17.
Machine for picking feathers from fowls. E. B. Digby. 2,470,151, May 17.
Machine for turning the platform covers of platform shoes. A. R. Hubbard. 2,470,170, May 17.
Magnesium silicate adsorbents, Regenerating. R. J. Hawes. 2,470,486, May 17.
Magnet field for dynamoelectric machines, Toroidal. M. P. and A. Winther. 2,470,596, May 17.
Mailbox, Tamperproof. C. B. Browning. 2,470,138, May 17.
Maintaining multiple records. J. H. Tathwell. 2,470,586, May 17.
Marker to record movement and means to provide relative values, Automatically controlled. A. W. Walker. 2,470,121, May 17.
Marking machine, Laundry. W. J. Kenper. 2,470,622, May 17.
Marking machine, Welding rod. T. I. Leston and W. B. Kriewall. 2,470,707, May 17.
Matching and controlling power for high-frequency heating of reactive loads, Continuously. E. Mittelmann. 2,470,443, May 17.
Materials composed partly or wholly of wool or similar fibers, Treatment of. P. Alexander. 2,470,463, May 17.
Mattress, Therapeutic. F. Hayes. 2,470,398, May 17.
Mechanical movement. R. Helsman. 2,470,246, May 17.
Mechanism for combines, Crop feed. A. Korsmo and M. Honning. 2,470,704, May 17.
Mechanism for mixers, Door operating. F. H. Heine. 2,470,100, May 17.
Mechanism for sorting machines, Adjustable throat. G. V. A. Malmros and E. A. Barber, Jr. 2,470,442, May 17.
Melamine-formaldehyde casting resin. H. W. Mohrman. 2,470,363, May 17.
Metals, Production and refining of. P. Gross. 2,470,306, May 17.
Meter: *See*—
Alternating current impedance meter.
Microscope having light conducting members providing grazing and diffuse illumination, Surface comparison. N. Lindgren and P. A. Roos. 2,470,176, May 17.
Milking apparatus, Mechanical. C. G. Howse. 2,470,160, May 17.
Mill: *See*—
Multiple stage pulverizing and dehydrating tube mill.
Mineral oil compositions. S. P. Waugh. 2,470,537, May 17.
Molding compositions, Asphalt. R. A. Barkuff, Jr. 2,470,329, May 17.
Molding compositions, Thermosetting phenolic. F. Rosenthal. 2,470,322, May 17.
Molding machine, Injection. C. Jobet. 2,470,402, May 17.
Molding machine, Monolithic wall. F. E. Withrow. 2,470,671, May 17.
Molding machine, Vibrating block. A. C. Shepeck. 2,470,377, May 17.
Molds, Manufacturing. G. A. Rubissow. 2,470,189, May 17.
Monofluoro-dichloromethane, Purification of crude. A. F. Benning, R. C. McHarness, and W. S. Murray. 2,470,088, May 17.
Motor control system. J. R. Wrathall. 2,470,673, May 17.

Motor control system, Reaction. L. Lawrence, Jr., and J. H. Wyld. 2,470,564, May 17.
Motor control system, Synchronous. S. C. Ewing. 2,470,478, May 17.
Motor fuels of high antiknock values, Synthesizing. P. C. Keith. 2,470,216, May 17.
Motor with distributing valve in piston, Expansible chamber hydraulic. C. H. Adams. 2,470,087, May 17.
Motorized pressure juice extractor. G. Le Witt. 2,470,708, May 17.
Mounting: *See*—
Doctor blade mounting. Portable motor mounting. Plane key mounting.
Mounting for shafts and the like. F. C. Baker and E. G. Spencer. 2,470,282, May 17.
Multiple crystal holder. B. J. Bitner. 2,470,133, May 17.
Multiple stage pulverizing and dehydrating tube mill. W. L. McGehee. 2,470,315, May 17.
Negative transconductance electrical discharge tube. J. F. Visscher. 2,470,732, May 17.
Net, Fishing. A. Jacobsen. 2,470,621, May 17.
Network, Phase-sequence voltage. W. K. Sonnemann. 2,470,461, May 17.
Nonrepeat means for calculating machines. H. Gang. 2,470,300, May 17.
Nozzle. J. B. D'Angelo. 2,470,293, May 17.
Nozzle. A. S. Peterson and C. K. Johnson. 2,470,519, May 17.
Nozzle for regenerative underjet coke ovens, Ceramic. W. C. Raeckel. 2,470,112, May 17.
Obtaining fat-soluble vitamin-containing materials in oil. C. J. Kern and J. M. Tabor. 2,470,703, May 17.
Oil addend. F. M. Watkins. 2,470,270, May 17.
Oil cooler. E. C. Warrick and H. Cruzan. 2,470,667, May 17.
Oil skimming device. J. Verner. 2,470,418, May 17.
Olefin polymers, Production of. L. Schmerling. 2,470,190, May 17.
Opener, Package. E. Chariop. 2,470,236, May 17.
Organosiloxanes and making them. J. F. Hyde. 2,470,562, May 17.
Oscillator, Low-frequency drift. J. F. Bell. 2,470,425, May 17.
Oscillator modulating system. R. C. Moore. 2,470,573, May 17.
Oven for dual quartz crystals, Temperature controlled. E. J. Bitner. 2,470,134, May 17.
Oxygen administering equipment. T. A. Taylor. 2,470,587, May 17.
Package, Frozen food. F. L. Broeren, G. E. Wanda, and R. Kuehl. 2,470,465, May 17.
Package of suture tubes or the like, Shipping. A. B. Kennison. 2,470,494, May 17.
Package, Watch band display. S. Ritter. 2,470,370, May 17.
Packaging food products. D. E. Rueckert. 2,470,579, May 17.
Pail, Refrigerated milker. T. J. Pfetcher. 2,470,520, May 17.
Pails, Twin. A. Cusick. 2,470,432, May 17.
Panel for artists, Canvas. S. Silver. 2,470,416, May 17.
Paper pulp agitator. J. A. Roemait. 2,470,267, May 17.
Permanent magnet field coupling. S. Karasick. 2,470,249, May 17.
Pesticidal composition of polyethylene polysulfide and nicotine sulfate. W. D. Stewart. 2,470,529, May 17.
Phenylsemioxamazide insecticidal compositions. S. I. Gertler. 2,470,160, May 17.
Phosphor. H. W. Leverens. 2,470,627, May 17.
Phosphor materials. H. W. Leverans. 2,470,173, May 17.
Phosphor materials. F. E. Williams. 2,470,449, May 17.
Phosphors. E. J. Wood. 2,470,451, May 17.
Piano action. W. H. Schultz. 2,470,654, May 17.
Piano casing. W. Zeiser. 2,470,614, May 17.
Piano key mounting. E. C. Sloan. 2,470,659, May 17.
Picker stick. C. B. Lundstrom. 2,470,506, May 17.
Picnic set. A. W. Jenkins. 2,470,492, May 17.
Pile. J. H. Derby. 2,470,149, May 17.
Pipe fitting. C. A. Lapp. 2,470,499, May 17.
Pipe-line recovery device. B. D. Marks and O. E. Dillon. 2,470,255, May 17.
Pipe racking apparatus. J. E. Whited. 2,470,279, May 17.
Pipes, Jointing of flexible. J. L. Sayers. 2,470,373, May 17.
Piston, Slush pump. H. B. Young. 2,470,541, May 17.
Plastic composition, Adhesive waterproof. L. C. Caves. 2,470,141, May 17.
Plastic scrap, Reclaiming. I. Miller and A. L. Beiser. 2,470,361, May 17.
Plate, Safety. F. E. Kobler. 2,470,439, May 17.
Plow control. B. D. Stevenson. 2,470,730, May 17.
Plug: *See*—
Spark plug.
Pocket flight position indicator. J. K. Christie. 2,470,143, May 17.
Polymeric 4-vinylcyclohexene dioxide compositions. W. J. Hornibrook. 2,470,168, May 17.
Polymerisation of ethylene. S. J. Hetsel and R. M. Kennedy. 2,470,166, May 17.
Polymerisation of olefins. R. M. Kennedy and S. J. Hetsel. 2,470,171, May 17.
Polymers of condensation product of aryl diether dicarboxylic acid and dihydric alcohol. O. S. Schaffel. 2,470,551, May 17.
Polysiloxane resins, Making. C. S. Ferguson and C. E. Welsh. 2,470,479, May 17.
Polysiloxane resins, Preparation of. H. F. Lamoreaux. 2,470,497, May 17.
Polysulfides, Organic. W. D. Stewart. 2,470,115, May 17.
Portable lifting jack. M. M. Murphy. 2,470,105, May 17.
Portable motor mounting. H. S. Hammond. 2,470,554, May 17.
Pot type oil burner air heating furnace. F. E. Wilson. 2,470,420, May 17.
Poultry immerser. C. Nassivera. 2,470,409, May 17.
Powdered medicine dispenser. M. R. Fields. 2,470,298, May 17.
Power plant assembly. A. G. Forsyth. 2,470,155, May 17.
Power plant, Gas turbine. E. A. Stalker. 2,470,729, May 17.
Power supply, Electrical. W. W. Zimmerman. 2,470,542, May 17.
Precipitator, Electrical. K. W. MacKenzie. 2,470,356, May 17.
Preservation of fruits and vegetables. D. Alvos. 2,470,424, May 17.
Press: *See*—
Baling press.
Press. H. P. Hunter. 2,470,561, May 17.
Press for cutting sheet metal. C. J. Rhodes. 2,470,110, May 17.
Pressure loaded gear pump. J. A. Lauck. 2,470,355, May 17.
Pressure responsive device, Excess pressure protected. E. S. Childs. 2,470,288, May 17.
Priming device. M. K. Bennett. 2,470,232, May 17.
Printing apparatus. G. O. Frostad. 2,470,243, May 17.
Prolamines, Plasticised. L. D. Myers and J. D. Fitzpatrick. 2,470,515, May 17.
Propeller, Variable-pitch. H. Obrist. 2,470,517, May 17.
Propellers, Oppositely rotating. W. S. Hoover. 2,470,560, May 17.
Protective system, Electrical. M. K. Moore. 2,470,257, May 17.
Protector: *See*—
Umbrella rib tip protector.
Protractor. F. A. Barr. 2,470,458, May 17.
Pteroylglutamic acid, Purification of. B. L. Hutchings. 2,470,491, May 17.
Pteroylglutamic acid and related compounds, Purifying. B. L. Hutchings. 2,470,490, May 17.
Pulse producing apparatus. J. Evans. 2,470,550, May 17.
Pulveriser, Soil. W. A. Hyland. 2,470,619, May 17.
Pump: *See*—
Pressure loaded gear pump. Rotary expansible chamber pump.
Pump.
Pump. I. C. Jennings. 2,470,563, May 17.
Pump. C. W. Mott. 2,470,220, May 17.
Pump. E. G. Norris. 2,470,319, May 17.
Pump for dynamoelectric machines, Oil. C. O'Daniel. 2,470,365, May 17.
Purse, Handbag. H. G. Palma. 2,470,367, May 17.
Quick-action coupling. H. G. McIlroy. 2,470,256, May 17.
Rack: *See*—
Bottle rack.
Radiator testing device. D. W. Wishon. 2,470,204, May 17.
Radio tubes and the like, Basing of. M. J. Orr. 2,470,518, May 17.
Radius forming device. J. G. Gouiette. 2,470,097, May 17.
Ratio control device. R. A. Ackley. 2,470,452, May 17.
Rattle for babies' cribs, Illuminated. O. Galter. 2,470,612, May 17.
Razor combined with blade conditioning means, Safety. G. Thornfield. 2,470,588, May 17.
Receptacle support. L. S. Steinbacher. 2,470,271, May 17.
Reclining chair. H. Niederhauser. 2,470,364, May 17.
Rectifier with a voltage regulating reactor saturable by direct current. S. Hedstrom and U. Lamm. 2,470,556, May 17.
Reel: *See*—
Electric fishing reel.
Reel assembly. W. M. Simpson. 2,470,658, May 17.
Refrigerator having condensate disposal means. H. S. Childers. 2,470,547, May 17.
Regenerator, Electronic synchronous signal. S. Rattner. 2,470,722, May 17.
Regenerator, Synchronous. W. A. Anderson. 2,470,677, May 17.
Register, Autographic. W. E. Oliver. 2,470,260, May 17.
Regulating and feed apparatus for internal-combustion engines. P. G. Vanni. 2,470,382, May 17.
Regulating means for baler tying mechanisms, Feed. M. Ronning and K. M. Keith. 2,470,724, May 17.
Relay. R. A. Geiselman and W. H. Cuttino. 2,470,614, May 17.
Relay for liquid-filled electrical apparatus, Protecting. E. Gudmundsson. 2,470,553, May 17.

Release mechanism, Parachute. M. E. Bancora. 2,470,457, May 17.
Remover, Staple. W. Schafroth and O. M. Beal. 2,470,726, May 17.
Reproducing stylus, Electrical. R. A. Fryklund. 2,470,244, May 17.
Resistor and making same. A. M. Feller. 2,470,153, May 17.
Resistor, Electrical. T. Holmes. 2,470,352, May 17.
Reverberatory furnace. W. F. Sklenar. 2,470,728, May 17.
Rifle rocket missile. N. M. Hopkins. 2,470,489, May 17.
Ring: *See*—
Spinning ring.
Ring for pot type burners of the hydroxylating type, Combustion. B. Hayter and M. D. Huston. 2,470,699, May 17.
Rocket-propelled device. M. H. Goehmann. 2,470,162, May 17.
Rope holder. J. Z. Miller. 2,470,316, May 17.
Rotary expansible chamber pump. A. H. Winkler and E. O. Wirth. 2,470,670, May 17.
Rototrol scheme. J. R. Wrathall. 2,470,672, May 17.
Rough rounding machine. C. W. Baker. 2,470,127, May 17.
Robber, Vulcanizing. E. S. Blake. 2,470,545, May 17.
Safety device for revolvers. J. W. Norman and C. R. Hellstrom. 2,470,259, May 17.
Safety hook. C. O. Larson. 2,470,706, May 17.
Safety switch. L. Jacobs. 2,470,701, May 17.
Sander. L. V. Grover. 2,470,615, May 17.
Scale, Electrical. D. D. Brodie. 2,470,427, May 17.
Scraper for freeing apparatus. C. Erickson and E. Spellman. 2,470,691, May 17.
Screen. R. E. Bemis and J. C. McMillan. 2,470,129, May 17.
Seal, Balanced, cooled, and lubricated rotary. C. F. Voytech. 2,470,419, May 17.
Sealing means. C. C. Sterrett. 2,470,664, May 17.
Sequence indication apparatus. F. A. Bucky and P. Sarason. 2,470,469, May 17.
Servomechanism. A. C. Hall. 2,470,099, May 17.
Setting apparatus for textile fabrics. H. Richter. 2,470,265, May 17.
Sewer snake apparatus, Plumber's. A. Silverman. 2,470,225, May 17.
Sewing machine. H. J. Le Vesconte and O. Quist. 2,470,502, May 17.
Sharpener, Lawn mower. L. J. Bromert. 2,470,335, May 17.
Sharpener, Pencil. L. R. Baggett. 2,470,387, May 17.
Shelf edging, Making. E. Karfiol and W. A. Roehm. 2,470,493, May 17.
Shock absorber. R. M. Harmon. 2,470,616, May 17.
Shoe sole. I. D. Wallach. 2,470,200, May 17.
Shoes, Molding plastic. J. J. Booth. 2,470,689, May 17.
Shovel, Snow. A. J. McLoughlin. 2,470,217, May 17.
Shuttle, Tatting. H. B. Daniello. 2,470,391, May 17.
Signaling system, Multifrequency. C. Clos. 2,470,145, May 17.
Signaling system, Pulse modulation. C. W. Hansell. 2,470,698, May 17.
Silica magnesia catalysis, Preparation of. K. J. Nelson. 2,470,410, May 17.
Silica-magnesia gel catalyst, Preparing a. E. S. Corner. 2,470,411, May 17.
Ski. C. L. Wheeler. 2,470,227, May 17.
Sleeve for pump rods, Protective. H. B. Young. 2,470,540, May 17.
Slide fastener. O. Kolbert and A. S. Messer. 2,470,251, May 17.
Snatch block. B. B. Bryson and M. A. Coleman. 2,470,686, May 17.
Socket assembly. M. H. Alldredge. 2,470,205, May 17.
Socket for miniature bulbs and the like and mounting therefor. E. A. Ackerman. 2,470,280, May 17.
Socket for snap fasteners, Reinforced. P. E. Fenton and O. J. Huelster. 2,470,740, May 17.
Soda lime. C. H. Egan. 2,470,214, May 17.
Sound bearing system, Optical. R. M. Sherwood, R. J. Urick, and L. P. Delsasso. 2,470,114, May 17.
Space scope. A. H. Eckman. 2,470,295, May 17.
Spark advance mechanism, Automatic. W. Ostling. 2,470,366, May 17.
Spark plug. J. D. McCrumm. 2,470,568, May 17.
Spectrometer, Mass. C. H. Schlesman. 2,470,745, May 17.
Spinning ring. H. B. Atwood and C. Fillinger. 2,470,736, May 17.
Splicer, Electrical. W. H. Alford. 2,470,423, May 17.
Spread band tuning circuit. Z. Benin. 2,470,426, May 17.
Spring: *See*—
Friction bolster spring.
Spur shore. J. D. Guerette. 2,470,390, May 17.
Stabilizer for alternating current power transmission systems. E. F. W. Alexanderson. 2,470,454, May 17.
Staple for door locks. L. W. Young. 2,470,735, May 17.
Stapling machine, Anvil clinching. W. Schafroth. 2,470,727, May 17.
Steering apparatus, Fluid controlled vehicle change-speed. W. O. Beckman and D. B. Baker. 2,470,209, May 17.
Steering means for power-driven surfboards. M. R. Brown. 2,470,137, May 17.
Steering mechanism, Wheel. S. Krilanovich. 2,470,496, May 17.
Steering wheel and braking mechanism, Combined. M. O. von Offel. 2,470,273, May 17.
Step form, Concrete. F. A. Dahle. 2,470,690, May 17.
Storage attachment for automobile bodies. P. Lim. 2,470,314, May 17.
Stove, Automatic. A. G. Thomas. 2,470,533, May 17.
Stropper, Razor blade. E. J. Gray. 2,470,436, May 17.
Suction apparatus. C. W. Stiehl. 2,470,665, May 17.
Support: *See*—
Receptacle support.
Swivel ball antenna support.
Support for electric accumulators, Plate. R. Gray. 2,470,163, May 17.
Support for table tennis nets. S. Nadelson. 2,470,318, May 17.
Suppression of corrosive action of carbonic acid. E. Q. Camp. 2,470,428, May 17.
Surge preventing device for centrifugal compressors. I. R. Loss. 2,470,565, May 17.
Switch: *See*—
Electric cam snap switch. Light switch.
Electronic switch. Safety switch.
Gang operated switch.
Switch and circuit breaker, Combination electric. S. S. Grady. 2,470,301, May 17.
Switching system. R. L. Daniel. 2,470,292, May 17.
Swivel ball antenna support. T. R. Finke, J. L. Stewart, and L. H. Finneburgh, Jr. 2,470,693, May 17.
Swivel joint. M. P. Graham. 2,470,215, May 17.
Synchronizer. F. W. Avila. 2,470,208, May 17.
Table cushion adjusting mechanism. J. A. Glasin. 2,470,161, May 17.
Table structure, Wall. F. K. Dinger. 2,470,343, May 17.
Table with adjustable cue rack, Pool. E. and J. Correale. 2,470,239, May 17.
Table with replaceable top, Shuffleboard-billiard. E. and J. Correale. 2,470,238, May 17.
Tanning with free formaldehyde and melamine simultaneously. W. Windos. 2,470,450, May 17.
Tap changer, No-load. E. W. Kuhn. 2,470,625, May 17.
Tape holder for electrical workers, Belt carried. D. Kienle. 2,470,250, May 17.
Telephone for loud traffic, Remote-controlled automatic. O. Tschumi. 2,470,590, May 17.
Tester, Shaft trueness. A. Kloos. 2,470,404, May 17.
Testing phase angle and injection periods of fuel injection pumps. L. Hartridge. 2,470,351, May 17.
Textile thread carrier. C. K. Dunlap. 2,470,549, May 17.
Thermal molecular alteration of carbon compounds. P. H. Royster. 2,470,578, May 17.
Thermometer, Resistance. E. L. Schulman and A. C. Beller. 2,470,653, May 17.
Thread letoff feeding mechanism. G. O. Young. 2,470,124, May 17.
Thread tension mechanism. G. O. Young. 2,470,123, May 17.
Three-layer single-phase winding. J. M. Stein and R. W. Eggiestone. 2,470,663, May 17.
Timing and phase control circuits. R. M. Bowie. 2,470,464, May 17.
Tin-coating the interiors of copper tubes. D. K. Crampton and M. L. Wood. 2,470,689, May 17.
Tire mounting and removing device, Circumferentially traveling type power-operated. A. G. Thomas. 2,470,534, May 17.
Tire remover, Collapsible. F. Piacenti. 2,470,107, May 17.
Tool: *See*—
Burn-in tool. Generator brush tool.
Clip retaining tool. Tube chamfering tool.
Clock hand removing tool.
Electrical outlet box attaching tool.
Toolholder. C. J. McNamara. 2,470,218, May 17.
Torque responsive device, Electromagnetic. B. F. Langer and K. L. Wommack. 2,470,626, May 17.
Towel dispenser. L. L. Price. 2,470,187, May 17.
Toy. D. C. Dozier. 2,470,476, May 17.
Toy, Airplane. F. L. Murphy. 2,470,407, May 17.
Toy phonograph, Miniature. I. Gold. 2,470,435, May 17.
Toy, Rocking. R. E. Daellenbach. 2,470,473, May 17.
Traction device. T. D. Dritz. 2,470,607, May 17.
Trainer for aircraft, Ground. R. B. Buchanan. 2,470,468, May 17.
Transformer, High-frequency matching. G. Guanella. 2,470,307, May 17.
Transformer windings. W. B. Biebesheimer. 2,470,598, May 17.
Transmission, Automotive. N. E. Wahlberg. 2,470,274, May 17.
Transmission device, Automatic variable-speed. E. J. Consler. 2,470,390, May 17.
Transmission mechanism, Rotary hydraulic fluid. R. Diard. 2,470,241, May 17.
Trap: *See*—
Lobster trap.
Tray. C. O. Ballar and T. L. Spalding. 2,470,456, May 17.
Tray, Letter. R. L. Gallagher. 2,470,347, May 17.
Truck, Lumber loading. K. Y. Messick. 2,470,360, May 17.

Truck and removing feed therefrom, Feed. J. B. Olson. 2,470,637, May 17.
Tube: *See*—
Negative transconductance electrical discharge tube.
Tube. F. G. Suffield. 2,470,666, May 17.
Tube chamfering tool. R. M. Gassmann. 2,470,392, May 17.
Tube securing means. B. G. Carlson. 2,470,546, May 17.
Tube with metal foil electrode, Electron discharge. J. L. H. Jonker and G. Diemer. 2,470,248, May 17.
Turbine construction. H. A. Altorfer. 2,470,126, May 17.
2-thioureido-4-methyl thiazole hydrochloride, Preparation of. R. L. Sperry. 2,470,585, May 17.
Umbrella rib tip protector. P. Valentino. 2,470,381, May 17.
Unit for coining presses, Conversion. W. P. Kruse and J. W. Steel. 2,470,102, May 17.
Unit for flywheel magnetos, Stator. A. L. Brownlee. 2,470,407, May 17.
Urea formaldehyde type of molding compounds and producing same. E. Glycofrides. 2,470,303, May 17.
Valve: *See*—
Automatic inverse modulation valve.
Ball type pressure relief valve.
Valve. H. B. Schultz. 2,470,740, May 17.
Valve head, Spring floated. G. J. Henry. 2,470,700, May 17.
Valve mechanism. H. D. Clemmons. 2,470,213, May 17.
Valve mechanism. D. D. Paxton. 2,470,368, May 17.
Valve mechanism, Fluid control. H. C. MacConnell, Jr. 2,470,566, May 17.
Valve operating mechanism. H. B. Carbon. 2,470,470, May 17.
Valve structure, Two-level float. J. L. Breese and B. Hayter. 2,470,684, May 17.
Vaporizing type oil burner. J. W. Miller and W. G. Smith. 2,470,570, May 17.
Vehicle suspension, Pneumatic. E. B. Aldous. 2,470,676, May 17.
Vehicle wheel. H. J. Horn. 2,470,539, May 17.
Vending machine. M. F. Davis. 2,470,474, May 17.
Ventilator. A. L. Schwartzberg. 2,470,375, May 17.
Ventilator cap. J. W. Klee. 2,470,623, May 17.
Ventilator, Roof. J. F. Werner. 2,470,201, May 17.
Ventilator, Sash. E. G. Davis. 2,470,433, May 17.
Vertical semicylindrical burner. J. L. Breese and B. Hayter. 2,470,683, May 17.
Vibrato organization. M. J. Larsen. 2,470,705, May 17.
Vibrator, Electric. L. H. Snyder. 2,470,660, May 17.
Voltage multiplier. J. B. Trevor, Jr. 2,470,118, May 17.
Voltmeter, Linear response vacuum tube. H. A. McNaughton. 2,470,219, May 17.
Washer: *See*—
Air washer.
Washing machine having rotatable tube with upper and lower discharge means. G. P. Castner. 2,470,140, May 17.
Water-cooled grinding wheel. J. A. Harrington. 2,470,350, May 17.
Welding machine, Electric. L. J. Gottschalk. 2,470,552, May 17.
Welding system. A. B. White. 2,470,668, May 17.
Wheel: *See*—
Vehicle wheel.
Water-cooled grinding wheel.
Wheel and tire applying device. G. F. Brown. 2,470,685, May 17.
Wheel with resilient spokes. E. H. Piron. 2,470,640, May 17.
Windshield visor mounting bracket. F. E. Ellithorpe. 2,470,477, May 17.
Winder bobbin. G. A. Carlson. 2,470,212, May 17.
Window control device. P. A. and V. Viola. 2,470,391, May 17.
Wiper, Oil stick. J. Gall. 2,470,484, May 17.
Wrench: *See*—
Ejector type socket wrench.
Folding pedal wrench.
Zero adjustment means. H. L. Bowditch. 2,470,333, May 17.

CLASSIFICATION OF PATENTS

ISSUED MAY 17, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 47: 2,470,512
49: 2,470,727
2— 105: 2,470,678
3— 8: 2,470,480
5— 91: 2,470,396
7—14.25: 2,470,492
8—94.33: 2,470,450
161.1: 2,470,209
9— 18: 2,470,725
12— 1: 2,470,170
85: 2,470,127
15—104.30: 2,470,225
210: 2,470,484
16— 78: 2,470,283
17— 4: 2,470,289
11.1: 2,470,151
11.2: 2,470,409
18— 2.5: 2,470,569
30: 2,470,402
59: 2,470,089
19— 131: 2,470,599
20— 0.5: 2,470,514
92: 2,470,403
22— 2: 2,470,146
193: 2,470,189
23— 87: 2,470,378
150: 2,470,428
230: 2,470,401
266: 2,470,395
24— 11: 2,470,431
134: 2,470,316
136: 2,470,226
218: 2,470,740
221: 2,470,344
248: 2,470,122
25— 24: 2,470,635
41: 2,470,377
650: 2,470,650
118: 2,470,600
131: 2,470,671
26— 18.5: 2,470,453
70: 2,470,575
27— 12: 2,470,321
29— 148: 2,470,262
160: 2,470,389
192: 2,470,269
228: 2,470,091
232: 2,470,327
30— 2: 2,470,226
34: 2,470,588
122: 2,470,287
200: 2,470,594
31— 67: 2,470,169
32— 17: 2,470,679
33— 30: 2,470,328
50: 2,470,282
75: 2,470,458
143: 2,470,498
163: 2,470,254
174: 2,470,404
635: 2,470,635
177: 2,470,667
180: 2,470,635
184.5: 2,470,437
188: 2,470,183
34— 239: 2,470,646
35— 10: 2,470,101
12: 2,470,143
25: 2,470,468
36— 33: 2,470,200
37— 1: 2,470,255
130: 2,470,217
38— 13: 2,470,316
41— 4: 2,470,416
42— 66: 2,470,259
89: 2,470,182
43— 9: 2,470,621
17: 2,470,610
66: 2,470,177
45— 64: 2,470,330
46— 100: 2,470,470
47— 59: P1,P1,836
60: P1,P1,837
49— 7: 2,470,234
17: 2,470,526
45: 2,470,228
52: 2,470,414
55: 2,470,558
82: 2,470,375
84: 2,470,461
89: 2,470,245
51— 67: 2,470,331
133: 2,470,615
217: 2,470,429
220: 2,470,530
250: 2,470,333
261: 2,470,221
267: 2,470,350
273: 2,470,501
285: 2,470,436
298: 2,470,440
52— 11: 2,470,733
54— 82: 2,470,195
55— 9: 2,470,211
77: 2,470,619
56— 124: 2,470,704
57— 120: 2,470,736
58— 6: 2,470,692
60— 13: 2,470,702
16: 2,470,747
35.6: 2,470,162
2,470,564
41: 2,470,126
2,470,184
2,470,729
51: 2,470,253
52: 2,470,357
54.5: 2,470,748
97: 2,470,415
61— 84: 2,470,149
62— 103: 2,470,547
141: 2,470,551
152: 2,470,657
66— 82: 2,470,131
86: 2,470,123
2,470,124
2,470,125
67— 7.1: 2,470,710
2,470,734
68— 23: 2,470,140
69— 2: 2,470,135
70— 264: 2,470,551
72— 118: 2,470,369
73— 81: 2,470,204
116: 2,470,251
136: 2,470,626
304: 2,470,510
398: 2,470,714
415: 2,470,333
74— 32: 2,470,246
477: 2,470,274
496: 2,470,273
504.4: 2,470,414
781: 2,470,390
2,470,589
782: 2,470,241
785: 2,470,217
75— 34: 2,470,106
68: 2,470,305
93: 2,470,306
76— 40: 2,470,200
77— 73: 2,470,392
78— 99: 2,470,102
81— 3: 2,470,309
2.1: 2,470,606
124.1: 2,470,399
82— 11: 2,470,097
24: 2,470,304
84— 177: 2,470,674
240: 2,470,654
400: 2,470,597
423: 2,470,146
435: 2,470,859
87— 59: 2,470,391
88— 14: 2,470,090
2,470,176
14.5: 2,470,462
19.5: 2,470,592
23: 2,470,156
34: 2,470,196
2,470,584
37: 2,470,277
89— 1: 2,470,117
1.5: 2,470,120
34: 2,470,475
129: 2,470,158
91— 43: 2,470,580
61: 2,470,093
53: 2,470,513
92— 37: 2,470,267
74: 2,470,400
93— 1: 2,470,457
94— 1.1: 2,470,291
11: 2,470,139
45: 2,470,455
97— 73: 2,470,730
98— 1: 2,470,511
36: 2,470,519
40: 2,470,488
42: 2,470,201
66: 2,470,023
118: 2,470,373
99— 105: 2,470,800
154: 2,470,424
169: 2,470,281
175: 2,470,679
192: 2,470,465
207: 2,470,474
292: 2,470,323
336: 2,470,548
407: 2,470,446
421: 2,470,545
100— 20: 2,470,724
221: 2,470,275
42: 2,470,705
101— 42: 2,470,622
44: 2,470,707
247: 2,470,243
102— 49: 2,470,489
70: 2,470,356
103— 6: 2,470,319
38: 2,470,617
42: 2,470,583
67: 2,470,593
103: 2,470,368
113: 2,470,237
126: 2,470,355
161: 2,470,220
106— 92: 2,470,505
153: 2,470,515
306: 2,470,577
113— 140: 2,470,296
201: 2,470,642
214: 2,470,502
114— 144: 2,470,137
116— 124: 2,470,582
129: 2,470,483
117— 80: 2,470,669
119: 2,470,111
119— 19: 2,470,223
65: 2,470,493
120—42.01: 2,470,421
96: 2,470,387
121— 41: 2,470,099
117: 2,470,669
123: 2,470,087
124: 2,470,681
121— 147: 2,470,566
154: 2,470,096
123— 46: 2,470,251
102: 2,470,709
117: 2,470,366
119: 2,470,382
169: 2,470,508
14: 2,470,090
125— 33: 2,470,385
126— 110: 2,470,571
116: 2,470,247
2,470,420
148: 2,470,430
156: 2,470,159
127— 49: 2,470,203
50: 2,470,332
55: 2,470,202
1: 2,470,721
128— 52: 2,470,660
191: 2,470,587
208: 2,470,297
209: 2,470,296
214: 2,470,481
229: 2,470,293
272: 2,470,298
276: 2,470,665
131— 235: 2,470,501
132— 19: 2,470,187
135— 36: 2,470,361
136— 79: 2,470,163
137— 53: 2,470,372
69.5: 2,470,164
139: 2,470,470
144: 2,470,368
153: 2,470,452
156: 2,470,286
139— 157: 2,470,306
370: 2,470,527
384: 2,470,251
144— 2: 2,470,229
219: 2,470,201
148— 6.15: 2,470,136
150— 37: 2,470,367
40: 2,470,466
152— 221: 2,470,607
154— 2.81: 2,470,509
97.5: 2,470,493
155— 16: 2,470,649
116: 2,470,364
117: 2,470,258
194: 2,470,113
2,470,525
157— 1.2: 2,470,107
1.24: 2,470,534
158— 38: 2,470,664
91: 2,470,570
2,470,682
2,470,683
2,470,699
116: 2,470,713
117.1: 2,470,268
160— 107: 2,470,435
348: 2,470,472
349: 2,470,233
397: 2,470,129
164— 102: 2,470,110
2,470,561
167— 24: 2,470,329
30: 2,470,160
51: 2,470,703
169— 26: 2,470,371
170—135.27: 2,470,560
160.24: 2,470,517
171— 95: 2,470,219
2,470,644
97: 2,470,542
119: 2,470,244
2,470,661
209: 2,470,467
252: 2,470,408
171— 262: 2,470,822
2,470,696
321: 2,470,096
2,470,647
327: 2,470,133
2,470,134
2,470,509
2,470,737
2,470,738
172— 36: 2,470,264
237: 2,470,454
264: 2,470,249
173— 259: 2,470,104
324: 2,470,518
328: 2,470,280
2,470,518
361: 2,470,196
2,470,320
174— 21: 2,470,631
84: 2,470,423
175— 183: 2,470,338
2,470,412
294: 2,470,257
2,470,301
361: 2,470,598
177— 7: 2,470,600
311: 2,470,711
352: 2,470,114
353: 2,470,145
2,470,469
178— 7.5: 2,470,650
44: 2,470,307
70: 2,470,677
2,470,722
179— 61: 2,470,640
180— 9.3: 2,470,209
183— 7: 2,470,356
24: 2,470,345
103: 2,470,639
175: 2,470,436
184— 35: 2,470,346
185— 37: 2,470,575
188— 205: 2,470,237
192— 18: 2,470,103
53: 2,470,208
142: 2,470,567
193— 35: 2,470,276
198— 2: 2,470,534
9: 2,470,680
49: 2,470,263
50: 2,470,445
52: 2,470,193
55: 2,470,578
147: 2,470,339
198— 79: 2,470,696
180: 2,470,253
209: 2,470,311
200— 4: 2,470,625
48: 2,470,576
54: 2,470,701
68: 2,470,613
82: 2,470,606
84: 2,470,553
2,470,630
98: 2,470,614
148: 2,470,628
150: 2,470,604
2,470,611
155: 2,470,643
201— 57: 2,470,153
63: 2,470,653
78: 2,470,352
202— 42: 2,470,222
72: 2,470,230
142: 2,470,112
204— 273: 2,470,741
206— 29: 2,470,523
45.14: 2,470,456
45.31: 2,470,270
206— 63.3: 2,470,494
74: 2,470,347
78: 2,470,370
0.84: 2,470,362
209— 166: 2,470,180
210— 51: 2,470,418
214— 1: 2,470,279
1.1: 2,470,340
77: 2,470,360
123: 2,470,472
140: 2,470,147
217— 44: 2,470,459
219— 4: 2,470,582
2,470,603
8: 2,470,178
19: 2,470,353
20: 2,470,633
21: 2,470,194
25: 2,470,522
37: 2,470,715
38: 2,470,485
39: 2,470,181
47: 2,470,285
2,470,445
220— 23.4: 2,470,432
55: 2,470,226
64: 2,470,393
223— 76: 2,470,265
2,470,266
229— 17: 2,470,199
2,470,388
41: 2,470,174
230— 20: 2,470,670
25: 2,470,580
115: 2,470,665
157: 2,470,656
207: 2,470,685
232— 22: 2,470,138
235— 61: 2,470,434
2,470,498
2,470,535
62: 2,470,300
93: 2,470,716
236— 1: 2,470,808
44: 2,470,188
66: 2,470,573
92: 2,470,742
93: 2,470,533
238— 19: 2,470,602
240— 6.4: 2,470,812
241— 45: 2,470,315
242— 55.4: 2,470,250
55.5: 2,470,342
78: 2,470,235
64.4: 2,470,507
90: 2,470,213
2,470,558
119: 2,470,549
244— 3: 2,470,294
15: 2,470,346
45: 2,470,602
60: 2,470,185
134: 2,470,128
150: 2,470,457
248— 4: 2,470,429
19: 2,470,554
22: 2,470,185
43: 2,470,693
97: 2,470,271
104: 2,470,379
106: 2,470,694
141: 2,470,154
194: 2,470,397
255: 2,470,648
280: 2,470,284
290: 2,470,528
354: 2,470,396
249— 19: 2,470,427
250— 8: 2,470,673

249—	14:	2,470,284
	16:	2,470,657
	20:	2,470,292
	27:	2,470,240
		2,470,550
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		2,470,536
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	36:	2,470,425
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	40:	2,470,426
	41.9:	2,470,745
	65:	2,470,743
	71:	2,470,341
	80:	2,470,173
		2,470,449
	83.6:	2,470,224
	164:	2,470,695
251—	46:	2,470,700
252—	8.55:	2,470,132
	49.8:	2,470,406
	52:	2,470,276
	56:	2,470,537
	62:	2,470,541
	192:	2,470,214
	194:	2,470,346
	201.5:	2,470,451
		2,470,627
	307:	2,470,719
	412:	2,470,486
	425:	2,470,695
	427:	2,470,180

252—	429:	2,470,175
	451:	2,470,142
	457:	2,470,410
		2,470,411
253—	1:	2,470,312
		2,470,313
254—	28:	2,470,720
	126:	2,470,105
	166:	2,470,242
	193:	2,470,695
255—	71:	2,470,695
257—	2:	2,470,667
	180:	2,470,520
259—	134:	2,470,691
	161:	2,470,100
260—	7:	2,470,322
	13:	2,470,166
	14:	2,470,130
	17.3:	2,470,393
	17.4:	2,470,329
		2,470,394
	17.5:	2,470,115
	45.95:	2,470,447
	46.5:	2,470,479
		2,470,497
		2,470,562
	67.6:	2,470,363
	75:	2,470,651
	79.5:	2,470,545
	80.7:	2,470,629
	82.3:	2,470,417
	86.3:	2,470,324
	205:	2,470,094

260—	230:	2,470,191
		2,470,192
	242:	2,470,490
		2,470,491
	290:	2,470,109
	297:	2,470,108
	302:	2,470,585
	306.6:	2,470,555
	308:	2,470,084
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	329:	2,470,739
	345:	2,470,349
	450:	2,470,216
	486:	2,470,361
	544:	2,470,083
	571:	2,470,095
	590:	2,470,504
	639:	2,470,206
	650:	2,470,336
	653:	2,470,088
	669:	2,470,092
	672:	2,470,712
	674:	2,470,116
	677:	2,470,207
	683.15:	2,470,166
		2,470,171
		2,470,190
	683.4:	2,470,144
	758:	2,470,141
261—	39:	2,470,096
	94:	2,470,652
	113:	2,470,483
263—	29:	2,470,543

268—	33:	2,470,728
267—	9:	2,470,172
	64:	2,470,616
	68:	2,470,676
271—	44:	2,470,442
	54:	2,470,260
	57:	2,470,557
272—	8:	2,470,295
	31:	2,470,407
	56:	2,470,473
	79:	2,470,544
273—	3:	2,470,239
	6:	2,470,238
	30:	2,470,518
	33:	2,470,574
	80:	2,470,406
	87:	2,470,302
	88:	2,470,159
	125:	2,470,325
	134:	2,470,632
	135:	2,470,310
274—	9:	2,470,435
277—	8:	2,470,471
	51:	2,470,213
279—	46:	2,470,218
	89:	2,470,723
	119:	2,470,720
280—11.13:		2,470,227
	16:	2,470,448
	33.05:	2,470,383
	33.15:	2,470,531
	36:	2,470,685
	42:	2,470,272

280—	43:	2,470,637
	91:	2,470,496
	281:	2,470,441
282—	9:	2,470,586
285—	75:	2,470,373
	86:	2,470,508
		2,470,538
		2,470,546
	90:	2,470,167
		2,470,359
	168:	2,470,256
	170:	2,470,539
	210:	2,470,308
		2,470,490
286—	9:	2,470,419
		2,470,664
287—52.06:		2,470,179
	87:	2,470,210
	90:	2,470,205
	101:	2,470,215
292—	74:	2,470,591
	108:	2,470,706
	340:	2,470,735
295—	14:	2,470,640
296—	26:	2,470,314
	95:	2,470,477
299—107.6:		2,470,717
	140.1:	2,470,718
301—	37:	2,470,559
302—	14:	2,470,521
	62:	2,470,744
303—	54:	2,470,746
304—	1:	2,470,337

308—	4:	2,470,540
	36.1:	2,470,354
309—	4:	2,470,541
311—	7:	2,470,161
	10:	2,470,524
	19:	2,470,343
	32:	2,470,165
312—	36:	2,470,186
		2,470,187
	92:	2,470,474
315—	27:	2,470,197
	56:	2,470,603
	130:	2,470,334
	174:	2,470,668
	200:	2,470,303
	209:	2,470,413
	251:	2,470,119
318—	176:	2,470,478
	221:	2,470,663
	240:	2,470,595
	375:	2,470,624
	474:	2,470,673
	523:	2,470,672
321—	15:	2,470,118
	25:	2,470,556
323—	60:	2,470,460
332—	14:	2,470,606
343—	13:	2,470,464
346—	63:	2,470,121

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,470,066:	121—154
2,470,092:	260—669
2,470,119:	315—251
2,470,147:	214—140
2,470,157:	132—19
2,470,162:	60—35.6
2,470,168:	260—13
2,470,177:	43—66
2,470,191:	260—230
2,470,206:	260—539
2,470,210:	287—87
2,470,215:	287—101
2,470,216:	260—480
2,470,280:	209—72
2,470,233:	160—349

2,470,239:	273—3
2,470,241:	74—752
2,470,244:	171—119
2,470,260:	271—54
2,470,261:	144—219
2,470,263:	196—49
2,470,270:	206—45.31
2,470,274:	74—477
2,470,285:	219—47
2,470,287:	30—122
2,470,296:	128—206
2,470,297:	128—205
2,470,303:	315—200
2,470,316:	241—45
2,470,319:	108—6

2,470,334:	315—130
2,470,339:	196—147
2,470,340:	214—1.1
2,470,352:	201—75
2,470,354:	308—36.1
2,470,360:	214—77
2,470,362:	206—0.84
2,470,373:	285—75
2,470,384:	250—14
2,470,391:	87—59
2,470,417:	260—82.3
2,470,421:	120—42.01
2,470,422:	160—348
2,470,424:	99—154
2,470,429:	51—217

2,470,430:	126—143
2,470,433:	160—107
2,470,436:	51—285
2,470,438:	183—115
2,470,445:	196—50
2,470,446:	99—404
2,470,447:	260—45.95
2,470,456:	206—45.14
2,470,487:	98—1
2,470,490:	260—242
2,470,491:	260—242
2,470,492:	7—14.25
2,470,500:	99—105
2,470,518:	173—328
2,470,519:	98—38

2,470,520:	257—190
2,470,530:	51—220
2,470,540:	306—4
2,470,545:	260—79.5
2,470,546:	285—86
2,470,549:	242—119
2,470,568:	123—169
2,470,573:	250—8
2,470,579:	99—175
2,470,595:	318—240
2,470,605:	315—58
2,470,606:	81—8.1
2,470,621:	43—9
2,470,622:	101—42
2,470,629:	260—80.7

2,470,648:	248—255
2,470,652:	261—94
2,470,668:	315—174
2,470,670:	230—20
2,470,672:	318—523
2,470,689:	117—50
2,470,694:	248—106
2,470,696:	198—79
2,470,709:	123—102
2,470,714:	73—398
2,470,730:	97—73
2,470,740:	24—218
2,470,743:	250—65

Classification of Designs

D 1—	2:	Des. 153,814
	12:	Des. 153,784
D 3—	20:	Des. 153,795
D 7—	7:	Des. 153,768
		Des. 153,769
		Des. 153,770
D 9—	2:	Des. 153,757
		Des. 153,807
D10—	8:	Des. 153,835
D15—	8:	Des. 153,838
D17—	1:	Des. 153,836
	14:	Des. 153,839
D22—	3:	Des. 153,746
	4:	Des. 153,806
D26—	5:	Des. 153,789
	13:	Des. 153,803

D26—	14:	Des. 153,825
D29—	20:	Des. 153,787
		Des. 153,788
		Des. 153,819
	23:	Des. 153,834
D31—	4:	Des. 153,798
		Des. 153,804
D34—	4:	Des. 153,781
	11:	Des. 153,775
	15:	Des. 153,765
		Des. 153,811
D35—	3:	Des. 153,822
D37—	1:	Des. 153,751
D42—	8:	Des. 153,771
		Des. 153,772
		Des. 153,773

D42—	8:	Des. 153,774
D44—	1:	Des. 153,820
	25:	Des. 153,816
	26:	Des. 153,826
	29:	Des. 153,783
		Des. 153,817
D45—	4:	Des. 153,747
		Des. 153,748
		Des. 153,749
		Des. 153,764
		Des. 153,827
	9:	Des. 153,800
	10:	Des. 153,829
		Des. 153,830
	16:	Des. 153,753
		Des. 153,754

D45—	16:	Des. 153,755
	17:	Des. 153,795
D47—	6:	Des. 153,750
D48—	20:	Des. 153,762
		Des. 153,790
		Des. 153,801
		Des. 153,833
	23:	Des. 153,809
		Des. 153,837
	27:	Des. 153,781
D49—	1:	Des. 153,780
		Des. 153,791
D50—	7:	Des. 153,823
D52—	2:	Des. 153,756
		Des. 153,782
		Des. 153,802

D54—	12:	Des. 153,777
	13:	Des. 153,778
D57—	1:	Des. 153,778
D58—	6:	Des. 153,786
	8:	Des. 153,792
		Des. 153,793
	9:	Des. 153,767
D64—	12:	Des. 153,752
D72—	1:	Des. 153,766
		Des. 153,805
		Des. 153,821
D74—	1:	Des. 153,763
D80—	5:	Des. 153,797
D81—	25:	Des. 153,796
D83—	1:	Des. 153,759
		Des. 153,794

D83—	1:	Des. 153,818
D83—	2:	Des. 153,824
D86—	9:	Des. 153,828
	10:	Des. 153,758
		Des. 153,810
		Des. 153,815
		Des. 153,831
		Des. 153,832
D87—	1:	Des. 153,779
	3:	Des. 153,760
		Des. 153,799
		Des. 153,808
D88—	3:	Des. 153,812
		Des. 153,813
D92—	1:	Des. 153,745

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Contents

	Page
Issue of May 24, 1949	942
Patents Expiring	942
Applications Under Examination	943
Decisions of the U. S. Courts	
In re Mercier	945
In re Young et al.	947
In re McKesson & Robbins, Inc.	951
In re Valko et al.	953
In re Mercier	954
Ware v. Carlton, Robie, and Ball; Carlton v. Ware, Robie, and Ball	956
In re Spaulding et al.	959
In re Henderson et al.	961
In re Prutton	962
Patent Suits	966
Trade-Mark Suits	967
Notices	
Notice of Tentative Recordation of Trade Name	968
Changes in the Roster of Attorneys and Agents	968
Adjudicated Patent	968
Classification Bulletins	969
Cancellation Notices	969
Abandonment of Trade-Mark	969
Interference Notices	969
Register of Patents Available for Licensing or Sale	970
Trade-Marks	
Published (300 Applications)	973
Registrations Granted	1011
Registrations Renewed	1021
Registrations Amended, Surrendered, Disclaimed, Corrected, etc.	1025
Registrations Republished (315 Registrations)	1026
Reissues	1061
Plant Patents	1062
Patents Granted	1063
Designs	1231

May 24, 1949

Trade-Marks	35—No.	442,717 to No.	442,751, inclusive
T. M. (Act of 1946)	154—No.	510,008 to No.	510,161, inclusive
T. M. Renewals	94		
Reissues	3—No.	23,114 to No.	23,116, inclusive
Plant Patents	3—No.	838 to No.	840, inclusive
Patents	651—No.	2,470,749 to No.	2,471,399, inclusive
Designs	72—No.	153,840 to No.	153,911, inclusive
Total	1,012		

Patents expiring: Patent Numbers 1,859,274 to 1,860,345, inclusive, and Plant Patent Number 17, issued May 24, 1932, expire May 24, 1949

Condition of Applications Under Examination at Close of Business May 6, 1949

Total number of patent applications awaiting action, 147,246. Date of oldest new application, June 3, 1947; date of oldest amended application, Nov. 9, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	3-16-48	7-26-47	2906
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	1-6-48	8-1-47	2713
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	9-27-48	10-1-48	906
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Mining, Quarrying, and Ice Harvesting.	11-6-47	7-5-47	3231
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	3-15-48	8-30-47	1445
6. SURLE, H., Carbon Chemistry (part)	4-26-48	5-11-48	1886
7. HANLIN, GEORGE, Optics; Photographic Apparatus	8-19-48	5-14-48	1501
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	7-21-47	5-14-47	4534
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	1-26-48	7-3-47	2110
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	7-10-48	6-18-48	1580
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	4-26-48	5-5-47	1939
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	8-3-48	6-23-47	1884
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	7-29-47	9-9-47	2113
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	8-6-48	4-29-48	1264
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	8-6-48	1-2-48	1734
16. LOVEWELL, N. N., Television; Telephony	8-17-48	12-19-47	1877
17. LEIGHEY, R. A., (acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	11-24-47	1-4-47	2264
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	4-7-48	9-8-47	2422
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	8-23-48	10-25-47	1062
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	9-13-48	8-26-47	1989
21. MADER, R. C., Textiles	3-24-48	2-4-48	1322
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	6-7-48	8-6-47	1501
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-23-48	7-15-47	1106
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	4-14-48	4-17-48	2349
25. BLAKELY, O. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	8-10-48	12-5-47	1651
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	8-10-48	1-30-48	1084
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	11-20-47	6-3-47	3233
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	10-27-47	5-26-47	1751
29. HABECKER, LEONE B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	8-9-47	8-19-47	3223
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating; Heating Systems; Heat Exchange (part); Illuminating Burners.	9-22-48	9-23-48	675
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	9-8-48	9-8-48	1947
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	9-22-47	9-16-47	1885
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements.	8-6-47	8-13-47	3086
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	4-30-48	1-23-48	1282
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	10-27-47	3-8-47	3570
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	7-15-47	6-3-47	2001
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	8-3-48	1-15-48	1530
38. ARNOLD, D., Casting Processes and Apparatus; Casting or Plastic Compositions (part); Rubber	4-29-48	4-6-48	1675
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	7-6-48	2-21-47	3087
40. DRUMMOND, E. J., Receptacles (part); Packages	7-16-48	9-3-47	3168
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	6-7-48	3-19-47	2218
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	10-8-48	9-17-48	973
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	8-30-48	5-26-48	1134
44. HARVEY, L. P., Refrigeration	2-24-48	5-20-47	965
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-10-48	8-27-47	2458
46. MUSHAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	3-3-48	5-16-47	1815

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 147,246. Date of oldest new application, June 3, 1947; date of oldest amended application Nov. 9, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	8-7-48	2-25-48	1092
48. Bernstein, S., Electricity, General Applications; Conversion Systems; Electric Igniters	8-15-48	11-3-47	1485
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring	11-15-47	9-4-47	2340
50. LEVIN, SAMUEL, Synthetic Resins	9-24-48	6-15-48	1883
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications	8-11-48	6-1-48	1431
52. KNOTTS, M. E., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits	4-10-48	7-9-47	3604
53. BRINDISI, M.V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus	3-31-48	4-12-47	2193
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications	8-17-48	9-25-47	1387
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	8-6-48	2-13-48	1712
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	6-1-48	5-10-48	1939
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	1-27-48	5-3-47	3419
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements	6-25-47	9-8-47	1715
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	5-13-48	12-17-47	1493
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants	7-29-48	4-22-48	1083
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion	6-3-47	12-19-46	3659
62. LOWE, D. B., (Acting), Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	7-13-48	4-14-48	1499
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	5-6-48	12-17-47	2113
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous	10-9-48	10-8-48	1755
66. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	8-5-48	2-27-48	2292
66. LISANN, L., Geometrical Instruments	7-16-48	11-9-46	1941
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	8-6-48	11-10-47	1853
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	9-9-48	6-12-48	1435
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders	2-11-48	8-7-47	2163
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts)	4-27-48	2-11-48	982
DESIGNS: BREHM, O. L.	7-29-47	10-28-48	6923

Total number of trade-mark applications awaiting action (including renewals and republications) 31,353. Date of oldest new application, Feb. 17, 1948; date of oldest amended application, May 26, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	4-2-48	9-13-48	4229
2. KASCHUB, H. E., Classes 2, 36, 46	3-1-48	8-2-48	5126
3. SUMMERS, O. S., Classes 21, 23, 26	3-8-48	10-9-48	4420
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	2-17-48	8-28-48	4268
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	3-19-48	8-6-48	3798
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	4-12-48	7-24-48	3779
7. KEYS, C. M., Classes 16, 19, 55	3-27-48	5-26-48	2116
8. GEDIMAN, H. W. [Renewals / Republications] All Classes	3-13-49	3-31-49	249
	9-2-48	3-12-49	3371

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE MERCIER

No. 5128. Decided March 1, 1949

[— F.2d —; 81 USPQ 122]

1. PATENTABILITY — APPARATUS — FUNCTIONAL STATEMENTS.

Held that a functional statement containing no structural limitation does not render a claim patentable.

2. SAME—SAME—"MEANS CONTROLLED BY" ETC.

A claim to a conveyor which depended for patentability upon a limitation to "means controlled by movement of said movable mechanism to operate a control device whenever said movable mechanism moves rapidly in any portion of its range of movement while providing for relatively slow movement thereof in any portion of its range of movement without operating said control device" *Held* functional.

3. SAME — SAME — "CONTROL MECHANISM ASSOCIATED WITH" ETC.

A claim to a conveyor which depended for patentability upon a limitation to "control mechanism associated with said second named means constructed and arranged to function in response to any rapid change in the effective length of said chain within the predetermined expansion range thereof" *Held* functional.

4. SAME—PARTICULAR SUBJECT MATTER—CONVEYOR.

Certain claims to a conveyor *Held* properly rejected as defining over the reference only in statements of function or result.

APPEAL from the Patent Office. Serial No. 550,260.

AFFIRMED.

Harker H. Hittson for Mercier.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

GARRETT, *C. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming the rejection by the Primary Examiner of claims numbered 5 and 12 of appellant's application for patent, Serial No. 550,260, filed August 19, 1944, entitled "Improvements in Safety Apparatus." Nine claims stand allowed. So, there is no question as to appellant having an invention, but it was the view of the tribunals of the Patent Office that the appealed claims do not clearly define matter patentable over prior art.

The claims have much the same meaning, but are couched in different phraseology. We reproduce both:

5. A conveyor including endless chain means, a drive sprocket for said chain means, movable mechanism operative to maintain said chain means under tension, and means controlled by movement of said movable mechanism to operate a control device *whenever said movable mechanism moves rapidly in any portion of its range of movement while providing for relatively slow movement thereof in any portion of its range of movement without operating said control device.*

12. In a conveyor, the combination with a driving shaft, of means including an endless chain driven thereby, means normally preventing an accumulation of slack in said chain throughout a predetermined range of expansion thereof, and control mechanism associated with said second named means *constructed and arranged to function in response to any rapid change in the effective length of said chain within the predetermined expansion range thereof.*

The italics are supplied by us. The matter thus emphasized is matter which the Board held to be functional.

The prior art cited consists of a single patent, 1,728,283, issued to Charles R. Fisher, September 17, 1929. Another patent was originally cited but it related to a point not here in dispute and appellant did not include it in the record brought before us.

Appellant's structure, taken as a whole, is somewhat complicated. Six figures of drawings are used to illustrate it and many numerals are employed in the designation of its parts. The Examiner gives an elaborate and lucid explanation of it in his statement following the appeal to the Board, which we paraphrase in part and quote in part:

The conveyor named in the claims is used in elevating material to desired heights. It is made up of a series of endless chains mounted on a head sprocket and housed in a closed casing. Associated with the conveyor is an upper drive shaft connected, apparently by a belt, to a motor, and a lower foot shaft mounted in a transverse walking beam which, in turn, is mounted on a fixed part of the frame. The foot shaft is free to move upwardly in response to a predetermined excess of tension in the working run of the conveyor. It is said by the Examiner:

> • • • Such excess of tension may occur, for instance, when the accumulation of material at the bottom of the casing • • • is such as to prevent the ready passing through the material of the conveyor buckets as the latter traverse the lower end of the casing in their operation of engaging the material and carrying it to a point of discharge.

As the "salient features of the invention" the Examiner relates, in substance, that as the walking beam, hereinbefore mentioned, pivots upwardly to a designated position a roller secured to the free end of an arm, pivoted to a fixed part of the framework, rides on the inclined surface of the walking beam, carrying upwardly a piston rod having a piston at its upper end which is movable in a designated cylinder that is movably mounted in a sleeve which is fixed to the framework. During the normal operation of the conveyor no movement of the cylinder containing the piston occurs because conditions are produced by the gradual movement of the walking beam which permit fluid to bleed out of a partially open valve at the top of the cylinder as the piston moves slowly upwardly therein. Under abnormal

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working conditions, however, such as the accumulation of material at the bottom of the casing, the valve at the top of the cylinder is unable to relieve the excess pressure of fluid in the upper portion of the cylinder because of the rapid upward movement of the walking beam and piston. This upward movement leads to the engagement by the upper end of the cylinder of a protruding portion of a spring element fixed to a part which is rigid with the framework. This produces a lateral movement of the spring element which causes a magnet, secured to and movable with the spring element, to close the contacts of a magnetic switch and thus energize a buzzer and relay. This opens the motor circuit and the conveyor mechanism stops in response to the energization of the relay.

An analysis of claim 5 discloses four structural elements; viz., (1) endless chain means; (2) a drive sprocket for such means; (3) movable mechanism operative to maintain the chain means under tension; and (4) means controlled by movement of the movable mechanism to operate a control device. The remainder of the claim is a functional statement which tells when structural element (4) works. There are no structural features in the functional statement.

In claim 12 the structural elements are: (1) (a) means including an endless chain driven by (b) a shaft; (2) means normally preventing an accumulation of slack in the chain throughout a predetermined range of expansion thereof; and (3) control mechanism associated with the second named means. The remainder of that claim is functional. No structure is defined or described therein. It is simply stated that the control mechanism is constructed and arranged to function in response to a described condition.

Element (4) of claim 5 and element (3) of claim 12, in effect, were held by the tribunals of the Patent Office not to describe as to structure in the "full, clear, concise, and exact" manner required by Rev. Stat. 4888, 35 U. S. C. § 33.

The reference patent to Fisher is entitled "Automatic Stop for Belt Conveyers." It relates to belt conveyor systems for loading and unloading bulk materials. The material conveyed by each conveyor is deposited upon an adjoining one, so that there is continuous advancement of the load in progressive stages. The pertinent disclosures are defined by the Board substantially as follows:

The system comprises a series of similar endless belt conveyors, each of which comprises a belt for carrying material, two main pulleys—one a forward and the other a tail or take-up pulley—and a series of intermediate rollers which support the belt. The belt is driven by a motor through two drive pulleys and gearing. For taking up the slack of the belt, when the conveyor is working, the shaft of the tail pulley is slidably mounted on guideways and the pulley resiliently forced in a direction to take up the slack by a weight which is supported by a cord that extends from the slides over a shive. Some distance below the weight and in the motor circuit, a circuit breaker is located, designed to be operated by the weight upon a predetermined movement of the take-up pulley caused by slack when the belt is overloaded, or when there is a break. This stops the motor.

While the Fisher patent employs belts instead of chains, no point is made as to this on the question of patentability.

It was held by the tribunals of the Patent Office that every structural limitation of both the appealed claims reads upon the Fisher patent, and impliedly approved the statement of the Examiner that the two claims "define over the reference only in statements of function or result."

The Fisher patent made no disclosure of the subject matter held to be functional, and it is contended on behalf of appellant, in effect, that by using, as in claim 5, the clause "means controlled by movement of said movable mechanism," followed by the functional phraseology, and, as in claim 12, the phrase "control mechanism," also followed by functional phraseology, he has really defined structural limitations which distinguish from Fisher.

The authority principally relied upon by appellant appears to be the decision of the Supreme Court of the United States in the case of *Continental Paper Bag Company* v. *Eastern Paper Bag Company* (often referred to as the *Paper Bag Patent* case), 210 U. S. 405, 136 O. G. 1297. We hereinafter take further notice of this case.

The Examiner cited the case of *Halliburton Oil Well Cementing Co.* v. *Walker et al.*, 329 U. S. 1, 598 O. G. 577; and *In re Ferguson*, 23 CCPA (Patents) 1143, 83 F.2d 693, 29 USPQ 530, 472 O. G. 3. The Board held:

> It appears to us the claims differ from the Fisher disclosure only in functional statements employed to define the most crucial element (the element which stops the motor upon rapid change in the effective length of the chain within a given range) in the combination. In other words, at the exact point of novelty convenient functional language is used to define appellant's conveyor combination over that disclosed by Fisher. We find that the claims are sufficiently broad to include all means, controlled by the movement of the chain tension mechanism capable of stopping the motor when there is a rapid change in the effective length of the chain and permit the running of the motor when there is only a slow movement in the effective length of the chain. See *In re Spitzglass and Sondwerk*, 496 O. G. 856; 1938 C. D. 641 [25 CCPA (Patents) 1227, 96 F.2d 1002, 37 USPQ 791].

To the cases cited by the Examiner and the Board the Solicitor adds others, including *In re Lawson et al.*, 23 CCPA (Patents) 1235, 83 F.2d 698, 30 USPQ 13, 472 O. G. 498; *In re Smellie*, 27 CCPA (Patents) 1176, 111 F.2d 651, 45 USPQ 428, 520 O. G. 793; and *In re Horton et al.*, 33 CCPA (Patents) 704, 151 F.2d 210, 67 USPQ 105, 582 O. G. 3.

It is insisted on behalf of appellant that the appealed claims are not as broad as those which were disapproved by this court in the Ferguson and Spitzglass et al. cases, supra. The other references to decisions of this court cited in the brief of the Solicitor for the Patent Office are not discussed in the brief for appellant which, of course, was filed before that of the Solicitor for the Patent Office. We are of opinion that all those cases are apropos, but deem it unnecessary to here review any of our own decisions, except that in the case of *In re Horton et al.*, supra.

[1] In that case we held, in substance, as to two of the appealed claims that although they contained functional statements they also contained structural limitations sufficient to present patentable distinctions over the references, and reversed the decision of the Board which had affirmed the Examiner's rejection of them on functional grounds. We did not hold anywhere in that decision that a functional statement containing no structural limitation might render a claim patentable. There are epitomized in a headnote of that case statements appearing in claims there involved which we held to be functional and which we here reproduce for purposes of comparison:

> 2. *Claims—Functional.*
> Statements that locking means is "held inoperative by and during motor operation," and that it is "operable by and from the window to resist sliding" etc. are functional as are statements that lock is "operable by and during window opening movement of the unit to lock the unit," and that it is "rendered inoperative by and during movement of the unit" etc., statements that lock is "independent of the manual control" and that it is "for locking the window with increasingly greater securement in accordance with an increase in the effort applied" and statement that lock is "wholly independent of the control means and operable by a prying effort."

Passing from our own decisions to that of the Supreme Court of the United States, we do not think that appellant has succeeded in demonstrating the inapplicability here of that Court's decision in the Halliburton case, supra, although there has been presented in his behalf what would be a well reasoned brief if its premises could be accepted as correct, but, unfortunately for appellant, we cannot so accept them.

Assuming, but not holding, that, as is asserted in the brief for appellant, "great confusion as to the status of the patent law is injected by [the Supreme Court's decision in] this [the Halliburton] case," it is not a function of this court to reverse the decision. Rather we must follow it, until that Court itself reverses or modifies it.

The patent, the validity of which was involved in that case, is described, in substance, in the Court's opinion, as relating to an alleged improvement upon an apparatus designed to facilitate the pumping of oil out of wells which do not have sufficient natural pressure to force the oil to gush. Specifically the alleged improvement appears to have been devised for use in connection with measuring the depth of the well by what the Court describes as the "sound-echo-time method."

The claim set out as typical in that case read:

> In an apparatus for determining the location of an obstruction in a well having therein a string of assembled tubing sections interconnected with each other by coupling collars, means communicating with said well for creating a pressure impulse in said well, echo receiving means including a pressure responsive device exposed to said well for receiving pressure impulses from the well and for measuring the lapse of time between the creation of the impulse and the arrival at said receiving means of the echo from said obstruction, and *means associated with said pressure responsive device for tuning said receiving means to the frequency of echoes from the tubing collars of said tubing sections to clearly distinguish the echoes from said couplings from each other.* [Italics supplied.]

The Court's comment follows:

> A claim typical of all of those held valid only describes the resonator and its relation with the rest of the apparatus as "means associated with said pressure responsive device for tuning said receiving means to the frequency of echoes from the tubing collars of said tubing sections to clearly distinguish the echoes from said couplings from each other." The language of the claim thus describes this most crucial element in the "new" combination in terms of what it will do rather than in terms of its own physical characteristics or its arrangement in the new combination apparatus. We have held that a claim with such a description of a product is invalid as a violation of Rev. Stat. 4888. *Holland Furniture Co.* v. *Perkins Glue Co.*, 277 U. S. 245, 256–57; *General Electric Co.* v. *Wabash Appliance Corp.*, supra.

[2], [3] We are unable to distinguish in principle between the statement in the claim there held by the Supreme Court to be merely functional and the statements in the respective claims here involved held by the tribunals of the Patent Office to be merely functional.

Appellant points out that the Supreme Court did not, in deciding the Halliburton case, supra, overrule its prior decision in the *Paper Bag Patent* case, supra, and insists that there is such a similarity between the limitations in the claims here involved and the limitation in the typical claim quoted by the Supreme Court in the *Paper Bag Patent* case, supra, that the decision in the *Paper Bag Patent* case, supra, should be held controlling here. To this we are unable to agree, and it may be said that the Supreme Court expressly distinguished the cases. It was contended during the argument of the Halliburton case, supra, that the decision of the *Paper Bag Patent* case, supra, was applicable, but the Court held that it was not, saying:

> In that [*Paper Bag Patent*] case, however, the claims structurally described the physical and operating relationship of all the crucial parts of the novel combination.

An examination of the claim quoted in the *Paper Bag Patent* case, supra, discloses that it embraced a functional statement but it also embraced structural limitations, in which respect it was similar to the claims allowed by us in the case of *In re Horton et al.*, supra. The claims here involved, in our opinion, do not meet that condition.

[4] Therefore, the decision of the Board of Appeals of the Patent Office is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE YOUNG ET AL.

No. 5544. Decided March 1, 1949

(— F.2d —; 81 USPQ 139)

1. DIVISION—PRODUCT AND PROCESS OF USE—SEPARATE CLASSIFICATION.
While the different alleged inventions have separate classification in the Patent Office, *Held* that that ground, standing alone, is not conclusive, and that we should hesitate to sustain a requirement of division in this case solely upon that ground, though cases may arise in which such action may be proper.
2. SAME—SAME—DISCRETION IN PATENT OFFICE.
It has been the consistent policy of the courts to recognize that a certain discretion should be and is lodged in the tribunals of the Patent Office relative to the question of division.

3. SAME — COMBINATION AND ELEMENT — ELEMENT OF GENERAL UTILITY.

This court has uniformly sustained requirements of division between claims made to an element susceptible of use in different systems or combinations, on the one hand, and claims to one such system or combination, on the other hand.

4. SAME—ACTIONS IN OTHER CASES—RELEVANCY.

Held that the rule that the allowance of claims by the Patent Office has no relevancy in the consideration of the question of patentability of claims in another case, applies equally in considering the action of the tribunals of the Patent Office in requiring or failing to require division.

5. SAME—CATALYST AND PROCESS OF USE—CATALYST OF GENERAL UTILITY.

Where the Examiner required division between claims to a catalyst and claims to a method in which the specific catalyst was used and asserted that the catalyst itself has other uses, and where appellants failed to challenge and effectively to disprove the assertions of the Examiner, *Held* that we are not convinced that it was error to require division between the claims.

APPEAL from the Patent Office. Serial No. 506,214.

AFFIRMED.

Charles C. Scheffler, Rudolph S. Nelson, and *Donald C. Harrison* (*Eugene L. Greenewald* of counsel) for Young et al.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

GARRETT, *C. J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming the Primary Examiner's requirement of division between a group consisting of two claims for a composition of matter (defined as a copper-chromium mixed oxides hydrogenation catalyst), on the one hand, and, on the other hand, a group of seven claims for an alleged improvement in a process for making phenyl methyl carbinol, one of the steps of which is the use of the catalyst so described.

The article claims which appellant elected to prosecute were finally allowed by the Examiner. They are numbered respectively 2 and 3; the process claims 7 to 13, inclusive. While the merits of the claims are not involved in this appeal, we think it may be conducive to clarity to reproduce one of each group, and 2 and 7 are selected for this purpose.

2. A copper-chromium mixed oxides hydrogenation catalyst in which the chromium is present in a ratio, computed on a metal basis, from about 9 to 15 parts chromium per 100 parts copper, by weight.

7. A method for the production of phenyl methyl carbinol by reduction of acetophenone which comprises introducing hydrogen into acetophenone under pressure in the presence of a catalytic amount of a copper-chromium mixed oxides hydrogenation catalyst in which chromium is present in a ratio, computed on a metal basis, from about 7 to 25 parts chromium per 100 parts copper, by weight.

Appellants' application was filed October 15, 1943. It embraced 14 claims which were divisible into three groups. Claims 1, 2, and 3 (group I) were for the catalyst; 4, 5, and 6 (group II) for the method of producing the catalyst; and 7 to 14, inclusive, (group III) for a process of producing phenyl methyl carbinol, use of the described catalyst being one of the steps defined in the process.

During the prosecution of the application before the Examiner claims 1 and 14 were cancelled and the article claims 2 and 3, after first being rejected, were finally held allowable as hereinafter detailed.

The first action in the Patent Office shown by the record before us appears in an official letter of the Examiner, under date of April 27, 1944, in which it was stated that the application had been examined and that division was required. There was no decision upon the merits of any of the claims. The following patents were listed, not as prior art references on the question of patentability, but as relating to the question of separate classification of the different inventions held by the Examiner to be covered by the claims: Montonna, 1,416,859, May 23, 1922, 260–618; Amend, 2,040,913, May 19, 1936, 260–618; Groll, 2,217,865, October 15, 1940, 252–232; Ruthruff, 2,247,820, July 1, 1941, 252–254; Engel, 2,258,111, October 7, 1941, 252–254.

In the course of the letter the Examiner said:

> • • • Catalyst of group I may be prepared by other processes than that claimed in group II and it can be employed for catalytic reduction of other substances than that claimed in group III. The process of reducing acetophenone is independent of a process for producing a hydrogenation catalyst. The independence of these three groups is well recognized by workers in the art and the consequent classification of patents obtained by them as illustrated in the above cited patents. Group I is classified in class 252, subclass 232 illustrated by Groll patent. Group II is classified in subclass 254 of the same class as illustrated by patents to Ruthruff and Engel. Group III is classified in class 260, subclass 618 as illustrated by Montonna and Amend patents.

From the foregoing, one may observe that the Examiner required a "three-way" division.

Claim 14 was rejected in that letter "as obviously nonstatutory," and was cancelled by an amendment proffered on behalf of appellants in a communication dated July 19, 1944, responding to the official action of April 27, 1944.

In that communication appellants challenged the requirement for division as being improper, alleging also that "even were it proper, it is premature." Those questions were argued at some length and certain assurances, hereinafter referred to, requested, after which it also was requested that, in the event the Examiner adhered to his requirement for division, the question be submitted to the Examiner of Classification for a ruling. It was further said:

> • • • In the event that the Classification Examiner fails to disapprove the requirement for division, but only in such event, applicant chooses for first prosecution on the merits, claims to the hydrogenation catalyst as represented by claims 1, 2 and 3 of the Examiner's classification. This election is made at this time lest the foregoing amendment be considered unresponsive and does not in any sense constitute a waiver of applicants' right to appeal from the requirement. It is to be understood, also, that in thus expediting the prosecution of the case on its merits, applicants shall have the right to retain the claims to the process of hydrogenating and to the process of making the catalyst until appeal has been had from the requirement to divide without prejudice to applicants' right to file one or more applications on the subject matter thereof.

The Examiner adhered to the requirement for a "three-way" division, and in an official letter dated April 25, 1945, stated, in substance, that the question had been submitted to the Examiner of Classification who approved the requirement as made by the Examiner. The letter then discussed claims 1, 2, and 3 on their merits and rejected them on prior art, citing three patents as references. In view of the fact that claim 1 was subsequently cancelled and the rejection of claims 2 and 3 on prior art with-

drawn, the references need not be listed nor commented upon here further than to say that one of them was a patent to —— Jones, to which we hereinafter refer. The letter also recites the rejection of claims 4 through 14 (although 14 seemingly had been cancelled already) on the ground of misjoinder.

The next Patent Office action is recited in a letter of the Examiner dated September 12, 1945, which begins "Responsive to amendment filed August 31, 1945." There is no amendment of that date in the record, and we are unable definitely to determine from the Examiner's letter what it was or what he did with it, if anything. The letter recites that claim 1 had been cancelled (and possibly that was the amendment referred to); that claims 4 through 14 were rejected on the ground of misjoinder; that claims 2 and 3 stood rejected on the prior art previously cited; and that the rejection was final.

Appellants, on December 4, 1945, filed a petition to the Commissioner of Patents, presenting four alternative requests for action argued to be their right. Inasmuch as all the pertinent questions raised in the petition are discussed hereinafter to the extent deemed necessary, we need not set them forth at this point. The petition was denied in a decision by the Supervisory Examiner dated January 16, 1946.

January 17, 1946, appellants filed a communication "In response to the official action dated, September 12, 1945," alleging that the final rejection made on that date was premature, and requesting "that it be withdrawn for further consideration of the claims on the merits." Clarification of certain of the phraseology of the Examiner also was requested.

There was filed with the communication an affidavit subscribed and sworn to by all the appellants, in which, under rule (then No. 75) of the Patent Office, they "swore back" (particularly so far as claims 2 and 3 were concerned, claim 1 having been cancelled previously) of the Jones patent, one of the references cited by the Examiner in the rejection of article claims 1, 2, and 3, as hereinbefore stated. This patent was not included in the record brought before us (it was unnecessary to include it in view of the final action taken), but the affidavit states that it was Patent 2,372,084 issued March 20, 1945, upon an application filed October 24, 1942.

In an action of March 11, 1946, the Examiner stated that the letter and affidavit of appellants filed January 17, 1946, had been considered but that they did not put the case in condition for allowance, and in "advisory remarks made without in any way withdrawing the final rejection" said, (*a*) that in view of the affidavit "claims 2 and 3 are held allowable," and (*b*) that claims 4–14 (evidently overlooking the fact that 14 previously had been cancelled and was no longer in the case) were still regarded as "properly rejected upon the grounds of misjoinder of invention."

In the meantime, on March 6, 1946, appellants had taken appeal to the Board of Appeals, filing there-

with "the specific points on which appeal is taken." This was five days prior to the action of the Examiner in which he held claims 2 and 3 allowable, and in the appeal to the Board it was assigned as error that those claims were rejected on the prior art references cited. They also were discussed in appellants' brief before the Board which was made part of the record before us.

The official statement of the Examiner, following the appeal to the Board, however, while stating that claims 2 and 3 "are involved in the appeal," also stated that they had "been indicated as allowable." So, those claims were not before the Board upon their merits, and it had no reason to consider them, and did not consider them, except for the purpose of determining the relation between the catalyst and the two respective processes involved.

As a result of its consideration, the Board reversed the Examiner's requirement for division between group I (claims 2 and 3 for the catalyst) and group II (claims 4, 5, and 6 for the method of making the catalyst), holding that the method of the claims in group II "inevitably produces the specific product" defined in group I.

Relative to the requirement for division as applied to claims 7 to 13, inclusive, the Board said:

> With regard to the claims drawn to the method of producing the carbinol by reduction of acetophenone, using the specific catalyst, we are of the opinion that the requirement for division should be sustained, for the same reasons stated by this Board in the Ruthruff case, 64 USPQ 130. It is quite obvious that the method for the production of the catalyst is distinct from the method for the production of the carbinol. As was stated in the Ruthruff case, two methods which involve distinctly different operations cannot be made into one and the same process simply because of matter that may be common to both, since the substance of any process claim is determined by the operations positively recited therein.
>
> The catalyst itself may have other uses, and the mere fact that the particular catalyst claimed in this case finds especial use in a process for the production of phenyl methyl carbinol by reduction of acetophenone does not establish that it is the only use to which the catalyst can be put. It is highly improbable that, as a reduction catalyst, that is the case. In fact, claim 2 is drawn broadly to a copper-chromium mixed oxide hydrogenation catalyst which is in no way limited to a specific use.

[1] The foregoing are the only reasons specifically given by the Board for its action. It embraces the same thought relative to claims 7 to 13, inclusive, as that expressed in different phraseology by the Examiner, who also seemingly based his action upon the additional ground that the different alleged inventions received separate classification in the Patent Office. The Board made no reference to this ground, but the presumption is that it approved it. Concededly, however, that ground, standing alone, is not conclusive, and we find it unnecessary to discuss it further than to say that we should hesitate to sustain a requirement of division in this case solely upon that ground. Cases may arise, of course, in which such action may be proper. [2] It has been the consistent policy of the courts to recognize that a certain discretion should be and is lodged in the tribunals of the Patent Office relative to the question of division. *In re Ferenci*, 28 CCPA (Patents) 1095, 83 F.2d 286, 29 USPQ 302, 499 O. G. 517; *In re Moss et al.*, 26 CCPA (Patents) 861, 101 F.2d 536, 40 USPQ 479, 503 O. G. 583.

The serious situation for appellants here, as we

view it, is their failure plainly to challenge and effectively to disprove the assertions of the tribunals of the Patent Office to the effect that the catalyst, as described in claims 2 and 3 respectively, the use of which constitutes a step in claims 7 to 13, inclusive, is limited to that specific use, or, we may add, their failure to show that the catalyst itself has no use other than that defined in the claims. The burden rested upon appellants in those respects after the Examiner had made his initial ruling.

[3] This court has uniformly sustained requirements of division between claims made to an element susceptible of use in different systems or combinations, on the one hand, and claims to one such system or combination, on the other hand. *In re Ferenci*, 21 CCPA (Patents) 856, 68 F.2d 737, 20 USPQ 242, 444 O. G. 256; *In re Goerke et al.*, 23 CCPA (Patents) 1093, 83 F.2d 294, 29 USPQ 421, 470 O. G. 946; *In re Ferenci*, 23 CCPA (Patents) 1023, 83 F.2d 279, 29 USPQ 162, 468 O. G. 1047; *In re Ferenci*, 23 CCPA (Patents) 1095, 83 F.2d 286, 29 USPQ 302, 469 O. G. 517; *In re Coulter*, 33 CCPA (Patents) 1088, 155 F.2d 271, 64 USPQ 531, 590 O. G. 519.

The last cited case, while the claims related to entirely different subject matter (alleged improvements in a signalling system) from the claims of the instant case, was somewhat analogous to the instant case in that it presented a "three-way" division requirement involving claims for a signalling system or combination and for two distinct subcombinations.

It was pointed out there that counsel for the applicant did not question that the three groups of claims were separately and independently classified in the Patent Office; also, that it was not questioned that the signalling system was a well-recognized and independent subject of invention, nor that the respective subcombinations of switch and relay could be used in other systems without being altered in structure.

The brief on behalf of appellants is quite critical, particularly of the Examiner's decisions, as is their reply brief of the brief of the Solicitor for the Patent Office. The Board is also criticized because it refused, in considering a petition for reconsideration of its original holding with respect to claims 7 to 13, inclusive, to discuss certain statements of the Examiner. Of this the Board said:

> • • • With regard to the method of using the catalyst, we held division proper because the claims to the latter method were for a separate invention and gave our reason for so holding. The appeal in this case is from the action of the Examiner requiring division, i. e., from the requirement and not from all the specific reasons which the Examiner advanced to support the same and we do not consider it necessary to discuss all the reasons advanced in the Examiner's statement.

We do not think the refusal of the Board in that respect constituted reversible error.

In connection with the appeal to the Board appellants caused to be filed (and this was repeated in the record submitted on the appeal to us) a list of thirty-five or more patents in which both article and process claims were granted. In at least three of the patents, it appears that claims were allowed for (1) a catalyst; (2) a method of making the catalyst; and (3) a method in which the catalyst was used. In the greater number of the patents the claims allowed were limited to the catalyst and the method of making it. In six instances, there are claims for only the catalyst and the method of using it, and in three instances, seemingly there are claims for only the method of making and the method of using. In behalf of appellants, it is said that the list was filed in response to the list filed by the Examiner in his first official action to which we have hereinbefore alluded, and in the reasons of appeal to us it was alleged:

> 11. The Board of Appeals erred in sustaining the Examiner's requirement for division and the rejection of claims 7 through 13 without taking notice of the thirty-five patents in the annexed list wherein joinder was allowed, and the Board of Appeals erred further in not following well-established practice as represented by said thirty-five patents in the matter of joinder.

We, of course, know nothing of what occurred in the Patent Office by way of evidence or otherwise during the prosecution of the applications upon which the thirty-five patents listed by appellants were based. If any of them were at any time before this court, appellants have failed to advise of that fact.

[4] We do not regard the patents as being relevant in the instant controversy, and we may add that we do not base our decision upon the patents which were listed by the Examiner. The rule that the allowance of claims by the Patent Office has no relevancy in the consideration of the question of patentability of claims in another case was stated by us to be elementary in our decision in the case of *In re Greider et al.*, 29 CCPA (Patents) 1079, 1083, 129 F.2d 568, 54 USPQ 139, 543 O. G. 489. The principle so announced, which was restated, in substance, in our opinion in the case of *In re Hirschhorn*, 34 CCPA (Patents) 1156, 162 F.2d 489, 74 USPQ 183, 605 O. G. 6, applies equally in considering the action of the tribunals of the Patent Office in requiring or failing to require division.

Another of appellants' reasons of appeal reads:

> 12. The Board of Appeals erred in sustaining the Examiner's requirement for division and the rejection of claims 7 through 13 in the absence of information repeatedly requested, that a divisional application would not thereafter be rejected on the ground that we should not have complied with the requirement for division.

We do not find in appellants' statement of "the specific points on which appeal [to the Board of Appeals] is taken" any assignment of error which seems to cover the matter involved in the foregoing assignment before us, and the Board made no reference to it. It does appear to have been presented in the petition to the Commissioner under date of December 4, 1945, hereinbefore referred to, and response was made in the decision of the Supervisory Examiner, who said, inter alia: "• • • nor will any commitment be made as to any future action that may be taken on any divisional application that may be filed."

As a matter of fact, the petition to the Commissioner presented four alternative prayers, each of which was discussed by the Supervisory Examiner in his decision denying them. The brief of the Solicitor for the Patent Office construed appellants' contention to mean that they insisted that "the Examiner should not have required division without making a statement that, if the requirement was complied with and a second application was filed, no rejection would be made on the ground of double patenting," and asserts, citing authorities, that "It seems obvious that no such commitment could properly be made."

In a reply brief for appellants, filed by permission of the court, it is said:

> Nowhere in the record does it appear that appellants ever requested assurance that a second application, if filed, would not be rejected for "double patenting." What appellants requested was assurance that their claims 7 through 13 would not thereafter be rejected solely for the reason that they should not have complied with the Examiner's requirement or that the claims would have been allowable had division not been required. [Italics quoted.]

Whatever may be the proper construction of appellants' petition to the Commissioner in the light of the arguments concerning its various statements, running through much of the record and in the briefs before us, the fact remains that commitments as to future action were, in effect, demanded of the tribunals of the Patent Office as a condition precedent to appellants complying with the requirement for division. The matter is suggestive of a trade or bargain which, in our opinion, the Board would have had no authority to make, even if the subject had been presented by appellants' appeal to it, and it had felt disposed to conform.

[5] We deem further discussion unnecessary. We are not convinced, upon the facts here appearing, that it was error to require division between the claims of group I and those of group III.

The decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE MCKESSON & ROBBINS, INC.

No. 5582. Decided March 1, 1949

[— F.2d —; 81 USPQ 117]

1. TRADE-MARKS—CANCELLATION—DISCLAIMER.

   Where in a cancellation proceeding this court held "Bracine" confusingly similar to "Brace," and where subsequent to that decision appellant attempted to disclaim all the articles contained in his previous registration except the trade-mark "Brace" for hair and scalp preparations, *Held* that in view of the decision in the cancellation proceeding there was nothing left for the Commissioner to do but to reject appellant's disclaimer and to cancel the registration "Brace."

2. SAME—SAME—SAME.

   Where in denying appellant's attempted disclaimer the Commissioner further held that appellant's preparation for the scalp and hair possessed the same descriptive properties as a liniment for human use and the marks of the parties confusingly similar, *Held* that the Commissioner had no authority to determine that question and that that portion of his decision was obiter dictum.

3. SAME—SAME—RES JUDICATA.

   Where the issue in the instant case was not involved in the cancellation proceeding and it was not held by this court nor by the Commissioner that hair and scalp preparations involved in the cancellation proceeding possessed the same descriptive properties as liniment for human use or that the marks of the parties as to such goods were confusingly similar, *Held* that the decision in the cancellation proceeding is not res judicata of the issue presented in the instant case.

4. SAME—GOODS OF THE SAME DESCRIPTIVE PROPERTIES—MEDICINAL AND TOILET PREPARATIONS.

   Held that appellant's preparation for the scalp and hair, being merely a toilet preparation, does not possess the same descriptive properties as a medicinal preparation.

5. SAME—CONFUSION—"BRACE" AND "BRACINE."

   Held that appellant's mark "Brace" used on a hair tonic and the registered mark "Bracine," used on liniment, are not confusingly similar.

APPEAL from the Patent Office. Trade-Mark Serial No. 456,127.

REVERSED.

H. C. Dieserud for McKesson & Robbins, Inc.

W. W. Cochran (*Walter J. Derenberg* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Commissioner of Patents (speaking through the late Honorable Leslie Frazer, First Assistant Commissioner), 73 USPQ 206, affirming the decision of the Examiner of Trade-Marks denying appellant's application for the registration of a trade-mark under the Trade-Mark Act of February 20, 1905.

The trade-mark in question is for use on "A perfumed toilet preparation for the purpose of cleansing the scalp and hair, imparting a lustre to the hair and keeping it well groomed and in place." The trade-mark comprises the word "BRACE" on a black background and enclosed in a white oblong border, together with the head of a man and the words "A toilet preparation for the scalp and hair," and the name "McKesson & Robbins, Incorporated." The words, "A toilet preparation for the scalp and hair," together with the name "McKesson & Robbins, Incorporated," is disclaimed apart from the mark as shown.

The specimen included in the record and filed with the application contains a statement that the toilet preparation is "A pleasant to use toilet preparation as an aid in the care of the scalp and hair. Massaging of the scalp with Brace helps keep the scalp clean and lubricated and dresses the hair, imparting a lustrous brilliance. As a dressing, apply sparingly to the wet or dry hair. As a scalp massage, apply liberally direct to the scalp."

It appears from the record that the involved trade-mark was passed for publication and published in the OFFICIAL GAZETTE on April 27, 1943, in which, as it is customary, the Commissioner of Patents stated that any person who believed that he would be damaged by the registration of appellant's mark might oppose the same by filing a notice of opposition. Prior thereto, the Leonard James Company, owner of the registration "BRACINE," for use on

an "Antiseptic liniment and veterinary liniment preparation," which company had been successful in the cancellation proceeding brought against appellant, *McKesson & Robbins, Inc.* v. *Leonard James Co.*, 29 CCPA (Patents) 1137, 129 F.2d 563, 54 USPQ 207, 544 O. G. 459, hereinafter more particularly referred to, filed with the Commissioner of Patents a letter in which it was stated that in its opinion there would be no confusing similarity between appellant's trade-mark "BRACE" for use on a preparation for the hair and scalp, and appellee's registered trade-mark "BRACINE"; that the goods of the parties did not possess the same descriptive properties; and that it, therefore, consented to the registration of appellant's trade-mark.

[1] In the cancellation proceeding hereinbefore referred to, the Leonard James Company claimed that its mark "BRACINE," registered March 27, 1934, Registration No. 311,576, for an "Antiseptic liniment and veterinary liniment preparation," was confusingly similar to the trade-mark "BRACE" of McKesson & Robbins, Incorporated, registered June 14, 1938, Registration No. 357,713, for use on a variety of articles; to wit, "Tooth paste, hair and scalp preparations, powders and talcs for the face and skin, lotions for the skin and face, sunburn lotions and preparations, including antiseptic oils for sunburn." We there affirmed the Commissioner of Patents, holding that "• • • in part at least, the goods named in appellant's registration are of the same descriptive properties as those to which appellee's mark is applied. That 'antiseptic oils for sunburn,' for example, one of the products named in appellant's certificate of registration, are of the same descriptive properties as a liniment for human use, • • •" and that the trade-marks of the parties were confusingly similar.

In the cancellation proceeding the First Assistant Commissioner of Patents stated that "the goods to which these marks are respectively applied, in part at least, possess the same descriptive properties within the meaning of the statute. Clearly this is true, for example, as to respondent's 'antiseptic oils for sunburn' and petitioner's 'antiseptic liniment' for human use." The First Assistant Commissioner further stated in his decision in that case that "• • • *the fact that respondent's registration may include additional items, of different descriptive properties, has no bearing on the issues here presented.*" [Italics ours.]

It is evident that neither the First Assistant Commissioner of Patents nor this court held that McKesson & Robbins' goods, "• • • Hair and scalp preparations • • •" and the Leonard James Company's "Antiseptic liniment and veterinary liniment preparation" possessed the same descriptive properties, nor was it held that the trade-marks of the parties as to such goods were confusingly similar. The First Assistant Commissioner properly held, as did this court, that one of the items included in the McKesson & Robbins' registration, that is, antiseptic oils for sunburn, possessed the same descriptive properties as the Leonard James Company's liniment for human use, and that the trade-marks of the parties, as applied to those items, were confusingly similar.

It will be observed, furthermore, that "Hair and scalp preparations," involved, among other things, in the cancellation proceeding, is much broader in its terminology and might include preparations not covered by a "Perfumed toilet preparation for the purpose of cleansing the scalp and hair, imparting a lustre to the hair and keeping it well groomed and in place," involved in the instant case.

Subsequent to our decision in the cancellation proceeding, supra, appellant attempted to disclaim all of the articles contained in his previous registration except the trade-mark "BRACE" for hair and scalp preparations. That was the only issue presented by appellant's attempted disclaimer, and the First Assistant Commissioner properly held that he had no authority to permit such a disclaimer. However, in denying appellant's attempted disclaimer, the Assistant Commissioner further held that appellant's toilet preparation for the scalp and hair, which he referred to as a hair tonic, and the Leonard James Company's liniment for human use, possessed the same descriptive properties and that the marks of the parties were confusingly similar. *Leonard James Company* v. *McKesson & Robbins, Incorporated*, 54 USPQ 333.

[2] In view of our decision in the cancellation proceeding, supra, there was nothing left for the First Assistant Commissioner of Patents to do but to reject appellant's disclaimer and to cancel the McKesson & Robbins' registration of its trade-mark "BRACE," although some of the articles covered by that registration might not have possessed the same descriptive properties as antiseptic oils for sunburn, covered by that registration, and the Leonard James Company's liniment for human use. Accordingly, the Assistant Commissioner in his rejection of McKesson & Robbins' attempted disclaimer had no authority to determine whether the toilet preparation for the scalp and hair, covered by the McKesson & Robbins' registration, possessed the same descriptive properties as the liniment for human use, included in the registration of the Leonard James Company, and that the marks of the parties were confusingly similar. That portion of his decision, therefore, was obiter dictum and is not a proper basis for the decision of the Examiner of Trade-Marks and of the First Assistant Commissioner of Patents that the issue here presented is res adjudicata.

[3] Furthermore, the issue as to "A perfumed toilet preparation for the purpose of cleansing the scalp and hair, imparting a lustre to the hair and keeping it well groomed and in place," under consideration in the instant case, was not involved in the cancellation proceeding, and it was not held by this court nor by the First Assistant Commissioner of Patents that hair and scalp preparations involved in the cancellation proceeding possessed the same descriptive properties as liniment for human use or that the marks of the parties as to such goods were confusingly similar. Accordingly, our decision in the cancellation proceeding is not res adjudicata of the issue presented in the instant case. See *Last Chance Min. Co.* v. *Tyler Min. Co.*, 157 U. S. 683, 687, and *Carter Medicine Co.* v. *Barclay*, 36 App. D. C. 123, 128, 198 O. G. 238.

The First Assistant Commissioner of Patents held in the instant case that the goods of the parties possessed the same descriptive properties and that their respective marks were confusingly similar. We are not of that opinion.

[4] It clearly appears from the record that appellant's product here involved is merely a toilet preparation and is not advertised or used as a medicinal preparation, whereas, the liniment covered by the Leonard James Company's registration is a medicinal preparation and is advertised and used for its medicinal properties. It may be that in some instances a so-called toilet preparation may contain medicinal properties and might possess the same descriptive properties as a medicinal preparation, but that is not so in the instant case. See *Daggett & Ramsdell* v. *Samuel Bonat & Bro.*, 35 CCPA (Patents) 937, 166 F.2d 151, 76 USPQ 608, 610 O. G. 501.

[5] We are of opinion, therefore, that appellant's preparation for the scalp and hair, being merely a toilet preparation, does not possess the same descriptive properties as a medicinal preparation and that appellant's mark "BRACE," used on its goods, and the registered mark of the Leonard James Company, "BRACINE," used on liniment, are not confusingly similar.

For the reasons stated, the decision is reversed.

REVERSED.

U. S. Court of Customs and Patent Appeals

IN RE VALKO ET AL.

No. 6514. Decided March 1, 1949

[— F.2d —; 81 USPQ 102]

1. PATENTABILITY—STATUTORY REQUIREMENTS.

Held that in order to be considered patentable claims must not only be novel and have utility, but they are required by statute to be inventive in their subject matter.

2. APPEAL TO COURT OF CUSTOMS AND PATENT APPEALS—REASONS OF APPEAL—ABANDONMENT.

Where appellants in their reasons of appeal allege error in the decision of the Board with respect to the breadth of the claimed compounds, but appellants' brief makes no mention of these particular points, *Held* that the reasons of appeal pertaining to those points will not be considered by us.

3. PATENTABILITY—PARTICULAR SUBJECT MATTER—TEXTILE TREATMENT.

Certain claims to a textile impregnated with a benzotriazolium salt and to the process of treating textiles with said salt *Held* properly rejected as unpatentable over a prior art publication.

APPEAL from the Patent Office. Serial No. 509,140.

AFFIRMED.

Clarence M. Fisher (*Pennie, Edmonds, Morton & Barrows* and *R. T. McLean* of counsel) for Valko et al.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

Appellants have appealed from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner rejecting all of the claims, 1 to 10, inclusive, of an application, Serial No. 509,140, filed November 5, 1943, entitled "Textile Treatment" as lacking invention over the prior art publication, Kuhn et al., Berichte, vol. 73 (1940), pages 1109–1113.

Six claims describe a textile impregnated with benzotriazolium salt, and four a process of treating textiles with said salt.

Claims 1 and 9 are illustrative of the subject matter and read as follows:

1. A textile impregnated with a higher alkyl benzotriazolium salt having at least one aliphatic radical of at least 8 carbon atoms.

9. In the treatment of textiles the improvement which comprises exposing the textile to the action of a solution having a concentration of a higher alkyl benzotriazolium salt containing at least one aliphatic radical of at least 8 carbon atoms of from .01% to 1%.

The subject matter of the alleged invention is shown with sufficient clarity in the quoted claims.

The reference discloses methods for the production of alkyl benzotriazolium salts which include salts in which the alkyl group contains more than 8 carbon atoms including the bromides and specifically dioctyl benzotriazolium bromide. Benzotriazolium is well known as a bactericide.

It is admitted by appellants that it is old to impregnate textiles with bactericidal compositions, and that the chemical compounds disclosed in the reference are conceded to possess bacteriological properties, and are useful in the practice of the claimed invention. Because of such admissions, the tribunals of the Patent Office rejected the involved claims.

The sole issue is whether or not the impregnated textiles and the process of the claims constitute invention over the disclosure of the reference. Counsel for appellants contend that the subject matter defined by the claims responds to every criterion of patentable invention, having novelty, utility, and obvious qualities not predictable from the prior art. In support of that contention it is stated in their brief that appellants discovered various improvements in textiles impregnated with the compounds of the claims; such as an "improved hand" (soft feeling to the manual touch), an improved capacity for retaining the dye, and possessing marked antiseptic and insect-repellant properties. It is stated that appellants found that there was a great affinity between the compounds and the fabric, and that the compounds are readily absorbed by the textiles when in dilute aqueous solutions, and are tenaciously retained in the textiles after repeated washings and cleanings.

In their brief it is pointed out by counsel for appellants that the tribunals of the Patent Office have not suggested that the textiles of the article claims are not new articles of manufacture or that the process of the process claims is not new. They

further point out that it has not been held below that the impregnated textiles are not useful or that they have not the outstanding properties which are described in appellants' specification.

Appellants allege that both the Primary Examiner and the Board of Appeals failed to give due weight to the alleged fact that the prior art does not suggest the use of the involved chemical in the impregnation of textiles, nor did they suggest that there was anything in the prior art to indicate that such chemicals would be absorbed in textiles, or that there was an affinity between the impregnating material and the textiles, or that such materials after impregnation would possess a "desirable hand," or that the dyeing properties would be improved, or that the textiles would be made insect-resistant, or that the antiseptic or bactericidal properties of the chemical would not be destroyed in the textiles when washed or cleaned.

[1] It is true that the tribunals of the Patent Office did not deny that the appealed claims disclosed an article and a process which are novel and possess utility. However, it is trite to say that in order to be considered patentable claims must not only be novel and have utility, but they are required by statute to be inventive in their subject matter.

Appellants concede it is old in the art to impregnate textiles with bactericidal compositions. They have neither denied nor controverted a statement in the decision of the Board of Appeals stating; "In the prior art impregnation of textiles with compounds having germicidal properties such compounds are selected as would yield improved textiles with respect to hand, flexibility, etc., rather than inferior products as regards these properties." Such statement, therefore, must be considered by us as being true. *In re Williford*, 34 CCPA (Patents) 812, 153 F.2d 997, 72 USPQ 321, 598 O. G. 327; *In re Selmi et al.*, 33 CCPA (Patents) 1187, 156 F.2d 96, 70 USPQ 197, 591 O. G. 160; *In re Lewis*, 25 CCPA (Patents) 1273, 96 F.2d 1009, 37 USPQ 786, 497 O. G. 18.

In view of the admissions hereinbefore referred to and for the reason that the alkyl benzotriazolium salts used by appellants are known to possess great bactericidal properties, it is clearly obvious to impregnate textiles with such chemical compounds in order to make them resistant to bacteria. It appears to us, therefore, that if one wished to make a textile bacteria-resistant with benzotriazolium compounds, he had available such information, and, as stated in the brief of the Solicitor, "all the know how" in order to obtain that result. Certainly under the facts herein if other advantages or results were accomplished at the same time, no invention would be involved because of those other advantages. *In re Gaworke*, 24 CCPA (Patents) 725, 86 F.2d 330, 31 USPQ 330, 475 O. G. 3.

In view of what we have said, we are of opinion that no consideration should be given to appellants' contention that there was nothing in the prior art to suggest the properties and advantages which appellants claim.

All of the claims relate to the impregnation of textile materials with compounds concededly old in the art and well known to have a powerful disinfecting effect. We must conclude, therefore, that all appellants have done is to carry forward the known property of the old chemical article in an obvious way.

[2] While appellants in their reasons of appeal allege error in the decision of the Board with respect to the breadth of the claimed compounds, as distinguished from those which are specifically disclosed in the application and the ones which were tested as shown in an affidavit filed herein, appellants' brief makes no mention of those particular points. Under the rule announced in *In re Krasnow et al.*, 35 CCPA (Patents) 939, 166 F.2d 196, 76 USPQ 567, 609 O. G. 692, and in *In re McCabe*, 24 CCPA (Patents) 1224, 90 F.2d 111, 33 USPQ 539, 485 O. G. 266, the reasons of appeal pertaining to those points will not be considered by us.

[3] For the reasons hereinbefore set out, the decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE MERCIER

No. 5589. Decided March 1, 1949

[— F.2d —; — USPQ —]

1. PATENTABILITY—COMBINING REFERENCES—IMPRACTICABILITY ALLEGED.
Where it is contended that it would not be practical to weld a hard steel lining, such as that disclosed in the H. patent, into the C structure, but there is no evidence of such impracticability in the record, *Held* that the statement of counsel may not be considered as a substitute therefor.

2. SAME—PARTICULAR SUBJECT MATTER—CHAIN LINK.
Certain claims for a chain link construction *Held* properly rejected as unpatentable over the prior art.

APPEAL from the Patent Office. Serial No. 457,173.

AFFIRMED.

Harker H. Hittson for Mercier.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner finally rejecting, as unpatentable over the prior art, all of the claims, 25 to 29, inclusive, of an application for a patent on a sprocket chain.

The references are: Horst, 830,849, January 1, 1907; Pike, 1,770,582, July 15, 1930; Collins, et al., 2,319,979, May 25, 1943.

All of the claims are so closely related that it is not necessary to deal with them separately. Claim 27 is considered illustrative of the involved subject matter, and reads as follows:

27. A chain link including in combination a knuckle member, a pair of spaced side straps projecting in the same direction from the ends of said knuckle member, said side straps each having an opening therein adjacent its free end, the openings being aligned with one another to receive a link connecting pin, means associated with one of said side straps for preventing rotation of a link connecting pin in the pin receiving opening therein, a sleeve member of bearing material in said knuckle member forming a permanent lining therefor, said sleeve member having a notch formed in each of its ends, and weld material welded to said knuckle member extending into the notches in said sleeve member immovably and permanently securing said sleeve and knuckle members together.

The construction of sprocket chains is quite old, and the device of the present application is said to be particularly adapted for use in a very high elevator structure in which there is a high temperature.

It appears that the claimed chain herein and the chain shown in the patent to Collins et al. resulted from the joint efforts of appellant on behalf of The Jeffrey Manufacturing Company and Collins et al. on behalf of the Lummus Company. It is said that appellant and Collins et al. worked together for the purpose of designing a successful conveyor which could be used in the structure already mentioned. Appellant apparently was not aware that Collins et al. had filed an application for a sprocket chain corresponding to the disclosure shown in Figs. 1, 2, 5 and 6 of appellant's application, and because of that unawareness, when appellant filed the instant application, he provided for a structure almost identical to that of the Collins patent, and designated it as the preferred embodiment of his invention.

Appellant does not question the right of patentees, Collins et al., to their invention.

In the involved application there appears a modification of appellant's preferred structure, pictured in Figs. 3 and 4, and it is the contention of appellant that such modification is patentable over the alleged basic design of his preferred form, and patentable as well over the device of the Collins et al. patent. Therefore, if the claims herein are to be held patentable over the prior art, invention must be found to reside in the modification of the chain depicted in Figs. 3 and 4 of appellant's application.

It appears from Fig. 3 that the linked chain structure comprises longitudinal side straps which have openings in their ends into which a tubular cross member, chamfered at its ends, extends, so that the cross member is set tightly into the openings of the side straps providing a groove around each end of the cross member. A weld is employed to fill those grooves, and the connecting cross member and the side straps are held in firm and rigid fashion. Inside of the cross member, forming a permanent lining therefor, is a hard metal wearing sleeve. The sleeve is notched on each of its ends, and weld material is poured into the notches by means of which the lining sleeve and cross member are connected. The pintle or pin extends through the side straps and the lining of the cross member. The pin is flattened toward the end of one of its sides, so as to cooperate with a flat portion of the adjacent side strap, thus preventing rotation of the pin. The pin is removable, but is held in place by a head on one end and a small cross pin on the other end near the flattened side thereof.

The patent to Horst relates to a sprocket chain and is said to have for its purpose the strengthening of the chain links so as to give longer life against the deterioration due to wear and strain. The patent discloses a tubular cross member within which there is an interior lining sleeve of hard metal through which a pin is placed. The pin is provided with a flat key which extends into a slot on the side strap of the link.

The Pike reference relates to what is said to be a novel method in the making of a bushing structure, and particularly to the welding of a copper and lead bushing to an outer shell of copper-iron-lead alloy.

The Collins et al. patent, like the present application, relates particularly to an articulated conveyor chain adapted for heavy-duty, and its principal object is said to be the production of such a chain in which the link is much stronger than that which is shown in the prior art.

It will be observed from what has already been set out, that the arrangement of appellant's links, pin, cross member and weld is clearly disclosed by the device described in the Collins et al. patent. One difference observable in the appealed claims from the Collins et al. structure is that in the former there is present the interior lining sleeve of the cross member, and the means by which the sleeve and cross member are attached are of course absent in the patent structure. It may be noted that that attachment in the present application is made by means of slots in the sleeve filled with metal welded to the inner surface of the tubular cross member. We do not consider that difference, however, to be patentable over the Collins et al. device in view of the other cited prior art.

[1] It is contended by counsel for appellant that it would not be practical to weld a hard steel lining, such as that disclosed in the Horst patent, into the Collins structure. There is no evidence of such impracticability in the record, and the statement of counsel may not be considered as a substitute therefor. *In re Burns*, 23 CCPA (Patents) 1091, 83 F.2d 292, 29 USPQ 423, 471 O. G. 246. The contention, as to the impracticability of welding a hard steel lining to the cross member of the Collins et al. structure, seems to be at variance with what is actually set out in appellant's specification, wherein it is stated that "Another important reason is that said sleeve may be and in some devices which I have built is of an alloy which does not weld properly." That statement appears to us to clearly imply there are some materials from which the hard steel sleeve may be made that are suitable for welding.

The statement in appellant's brief concerning the practicability of welding appears to be squarely contradicted in the brief of the Solicitor, wherein it is stated that the welding of hard, high carbon and alloy steels, which are conventionally used for tool and wearing surfaces, is practical. In support of that statement, the Solicitor cited, Fundamentals of Welding, James W. Owens, Penton Publishing Co., Cleveland, Ohio (1923), page 305, and quoted therefrom as follows: "The fusion welding of the higher carbon and other alloys of steel is quite possible, • • •." The Solicitor also noted that, on pages 55 and 64 of the Owens book, methods of such

welding are described. It appears to us, therefore, that it would be in accord with known practice to weld the wearing sleeve of the Horst structure into the Collins device. If that were done, it is obvious that there would be no new or patentable result, for the reason that the sleeve would function in precisely the same fashion as it does in the Horst device.

The claimed limitation of a shoulder as a means for preventing the pin from rotating, in our opinion, does not lend patentability to the structure defined in the claims. The use of a shoulder and flattened parts for the purpose of preventing rotation is old in the art, as may be seen in the structure of the Horst patent, wherein a shoulder is disclosed as a means for preventing rotation of the pin.

[2] It is true that the device of the Collins et al. patent does not disclose a lining sleeve within the tubular cross member. It seems to us, however, when so desirable, that the employment of such lining would be a common expedient, well known to any mechanic. In the device of the Horst patent, a hard metal sleeve is disclosed in exactly the same relationship to the tubular cross member, as is seen in the structure of appellant. While the sleeve lining of that patent is not fastened in any way, we do not think it would involve invention to weld such an inner wearing sleeve to the cross member of the Collins device by securing the sleeve of the Horst device in the link of the Collins et al. patent by the well known methods of keying, brazing or otherwise securing the sleeve. The manner of securing the sleeve and cross member is clearly a matter of choice and has no particular coaction with the other elements defined in the appealed claims.

The present case might possibly present the interesting question as to whether or not an applicant is entitled to the allowance of claims for a modified structure in an application, wherein the preferred form of his invention is anticipated by the prior art. That point, however, has not been raised herein, and it would be improper for us to discuss it.

The brief of counsel for appellant has been carefully examined, but we find no reason therein or in the record to disturb the decision appealed from.

The decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

WARE *v.* CARLTON, ROBIE, AND BALL

CARLTON *v.* WARE, ROBIE, AND BALL

Nos. 5485 and 5488. Decided February 1, 1949

[— F.2d —; 81 USPQ 196]

1. INTERFERENCE—RIGHT TO MAKE—CONTINUING APPLICATION.

Where the respective counts contain considerable language describing characteristic properties of the principal materials used in producing the article defined by the counts, and where such characteristics are neither enumerated nor described in the earlier application relied upon by appellee, *Held* that the omission is wholly immaterial, since under the law such characteristics need not be described in that specification.

2. SAME—REDUCTION TO PRACTICE—PRIOR APPLICATION.

Where appellees' application here involved was filed as a two-party application and as a division of a prior four-party application, which was a continuation-in-part of an earlier four-party application, and where the record shows that the subject matter in issue was the exclusive invention of the appellees, and was mistakenly disclosed, but not claimed in the prior four-party applications, *Held* that since the subject matter of the counts has been continued before the Patent Office by appellees since the filing date of the earlier application, that application is a constructive reduction to practice of the invention defined by the counts.

3. SAME—PRIORITY—COATED ABRASIVE SHEET AND METHOD OF MAKING.

Held that the decision of the Board of Interference Examiners awarding priority of invention of the ten counts in issue relating to a coated abrasive sheet of the sandpaper type and the method of manufacturing it to appellees, Robie and Ball, is affirmed.

APPEAL from the Patent Office. Interference No. 80,225.

AFFIRMED.

Ephriam Banning for Ware.

Harold J. Kinney (*Carpenter, Abbott, Coulter & Kinney*, and *Richard K. Stevens*, of counsel) for Carlton.

William H. Webb and *Donald A. Gardiner* (*Stebbins, Blenko & Webb* of counsel) for Robie and Ball.

O'CONNELL, *J.*:

This is an appeal in a three-party interference proceeding from the decision of the Board of Interference Examiners of the United States Patent Office awarding priority of invention of the ten counts in issue, Nos. 1 to 10, inclusive, to Norman P. Robie and Albert L. Ball, appellees.

The interference involves the patent to Ware, No. 2,278,158, granted March 31, 1942, on an application filed June 24, 1940, as a continuation-in-part of Ware's prior application, No. 302,322, filed November 1, 1939; the application of Carlton, No. 261,069, filed March 10, 1939; and the application of Robie and Ball, No. 457,174, filed September 3, 1942.

Robie and Ball also rely in this interference on two earlier, four-party applications filed jointly by them with Benner and Rossow, namely, application No. 137,796, filed April 19, 1937; and application No. 336,212, filed May 20, 1940.

After the patent to Ware was issued, its ten claims were copied by Carlton and this interference was declared between Ware and Carlton. The application hereinbefore described which Robie and Ball filed September 3, 1942, contained the ten claims which they had also copied from Ware's patent. On that basis, such application was included in the present interference.

The party Ware moved to dissolve the interference as to the party Carlton on the ground that Carlton's application did not disclose the subject matter defined by counts 1 to 6, inclusive, 9, and 10. That motion was denied by the Primary Examiner.

Ware also moved to dissolve as to Robie and Ball on the ground that they had no right to make any of the counts, for the alleged reason that Robie and Ball were guilty of laches in delaying until

September 3, 1942, to assert claims to the subject matter defined by such counts. That motion was likewise denied by the Primary Examiner.

Robie and Ball filed a motion to shift the burden of proof both as to Carlton and as to Ware in view of the alleged disclosure of the subject matter of the counts in the two earlier applications of April 19, 1937, and May 20, 1940, jointly filed by Robie, Ball, Benner, and Rossow. This motion was granted by the Primary Examiner. Robie and Ball thus became the senior party. On a motion for reconsideration, the Examiner adhered to his original decision as to all three motions.

Ware and Carlton each took testimony. Robie and Ball relied on the filing dates of the two earlier, four-party applications hereinbefore described for constructive reduction to practice. All three parties filed briefs and were represented at the final hearing. In that proceeding, the Board of Interference Examiners, among other things, agreed with the reasoning of the Primary Examiner, holding that as between Ware and Carlton, Ware was later both as to conception and reduction to practice, and that as to the three parties here involved, appellees Robie and Ball were entitled to the award of priority of invention of the subject matter defined by the counts.

The invention in issue relates to a coated abrasive sheet of the sandpaper type, and the method of manufacturing it. Counts 7 and 8 define the method, and the remainder of the counts define the article. With respect to the specifications upon which the patent to Ware was granted, and from which patent the counts were copied, it was stated by the Board of Interference Examiners that—

> • • • In these specifications it is pointed out that glue bonded sandpaper wears out rather quickly when it becomes heated during use, since the surface becomes sticky at a temperature of about 120° F. and collects dust from the abrading operation. This filling in of the spaces between the grit particles causes loss of cutting power in a short time. To avoid this difficulty while keeping certain advantages of glue, Ware retains three of the usual components, i. e. the base or backing, the "making" or initial coat of glue, and the abradants. However, he uses as a substitute for the usual glue "sizing" or second coat, a sealing film comprising an alkali metal silicate which remains dry at high temperature. Accordingly, the dust from the abrading operation does not adhere to, but is free to fall or be knocked from, the abrading surface. The loss of cutting power due to accumulation of dust on the abrading surface is thus effectively eliminated.

Counts 4 and 8 are regarded as sufficiently illustrative. They read:

> 4. A flexible abrasive sheet for use under conditions developing high abrading surface temperatures comprising a base, a layer of abrading particles spread over the base, an adhesive making coat of material of high adhesion qualities, but of relatively unstable consistency becoming sticky at temperatures exceeding 120° F., anchoring the abrading particles to the base, and a thin protective film of substantially uniform thickness comprising an alkali metal silicate, a filler, and a moisture retaining substance, united to the adhesive making coat, surrounding said particles in general conformity with the surface contours thereof, and forming a seal against exposure of the material of the adhesive making coat, said film being of relatively stable consistency remaining dry and non-sticky at temperatures up to 1200° F. and being relatively hard at such temperatures, whereby said film remains substantially dry and non-sticky at high abrading surface temperatures for materially avoiding accumulation of dust on said abrading surface and also enhancing the abrading qualities of said surface due to the hard film surrounding said abrading particles.

> 8. The method of protecting a thermoplastic adhesive making coat of an abrasive sheet which comprises the step of applying over such a making coat a thin continuous protective film which is relatively resistant to softening, tackiness and disintegration in the presence of mounting temperatures such as would tend to soften and render the making coat tacky whereby to maintain over the making coat a seal to prevent contact therewith or loose foreign particles.

The primary question involved is whether the disclosure of the four-party application filed April 19, 1937, is sufficient to support the counts. The disclosure of that application, so far as pertinent, was duplicated in the applications of May 20, 1940, and September 3, 1942. Appellants contend that the Board erred in holding appellees were entitled to shift the burden of proof on the ground that the applications of 1937 and 1940 contained the disclosure necessary to support the counts.

Carlton agrees with the arguments presented on the point in the brief of the party Ware who, after stating that the unique feature of the abrasive article here involved is provided by having a silicate sizing coat applied over a primary bonding coat of animal glue or the like, enumerates the following requirements of the counts:

> It will be noted that count 1 provides that the "thin protective film" of silicate is "*united* to the adhesive coat" of glue or the like. Likewise, in counts 2 and 4, note the wording "united to the adhesive making coat." Count 3 says "united to the making coat." Counts 5, 6 and 10 say, "applied over and joined to the making coat." Counts 7 and 8 are method claims and say, "applying over such a making coat a thin protective film" etc. The remaining count, i. e. count 9, calls for a "thin protective film" of silicate of soda "united to the adhesive coat." *In all the counts the feature of the silicate coat being positioned over and united to the making coat is recited.* • • • [Italics quoted.]

[1] The respective counts contain considerable language describing characteristic properties of the glue and of the sodium silicate, the principal materials disclosed in all the applications of the parties for use in the two layers or coatings which are produced in the manufacture of the article defined by the counts. Such characteristics of those materials are neither enumerated nor described in the application of 1937. The omission is wholly immaterial, however, since under the law such characteristics need not be described in that specification. See *Rincy* v. *Thomas*, 22 CCPA (Patents) 1250, 77 F.2d 525, 25 USPQ 418.

No words of exclusion are employed in any of the counts limiting the use alone of sodium silicate or of another alkali metal silicate as a sizing coat, or other protective film, in the manufacture of the abrasive. Furthermore, as the Board correctly indicated, the language of the counts is of such scope as to include an article in which the bonding adhesive consists of both a making coat and a sizing coat of glue, with a protective film containing alkali metal silicate extending thereover; or an article in which the making coat is glue, and the sizing coat is a protective film of alkali metal silicate.

The Board in describing the disclosure of the specification of 1937 correctly noted the statements therein to the effect that previously it had been customary to use glue or varnish as the adhesive in

the manufacture of the described abrasive articles. The Board also referred to the following disclosures therein: "In accordance with our invention we provide as adhesives, for use in the production of flexible abrasive articles, soluble silicate solutions which may be used alone or in various combinations with other materials to produce novel effects • • •. • • • These silicate solutions may be used in applying both the making coat and the sizing coat or either of these • • •." The Board further directed attention to the following paragraph of the specification, the italics being supplied by the Board:

> We have also found that we can strengthen or reinforce *flexible abrasive articles* such as discs, by applying to them *a coating of soluble silicate. This coating may be applied to articles bonded with glue*, varnish, resin or the like, or to the improved silicate bonded articles of our invention. The reinforcing coating may be applied by any suitable means and may *extend over the whole area of the article* if desired, though we have found that an annular coating around the periphery of an article such as a disc is productive of improved results. Such a coating may be applied to only one or to both sides of the article and may be of any desired thickness.

The Board, after a critical analysis of the decision of the Primary Examiner, the disclosures of each of the involved applications, and the contentions of the respective parties, together with the counts in issue, came to the conclusion, as did the Primary Examiner, that each of the four party applications of 1937 and 1940, and the application of September 3, 1942, upon which appellees rely, disclosed the invention defined by the counts.

In his reasons of appeal appellant Carlton alleges that the Board erred in reading into "the vague and ambiguous language" of the application of April 19, 1937, the specific subject matter of the counts. On the same point, appellant Ware alleges in his reasons of appeal, generally, that the Board erred in holding the 1937 and 1940 applications of Roble et al. disclosed the invention defined by the counts:

> • • • and specifically that these applications adequately and fully describe (a) a continuous protective film, of uniform thickness, surrounding the abradant particles in general conformity with the contours thereof, to form a seal therefor, and (b) a making coat of glue for the abradant particles.

With respect to the contention that the applications of Roble et al. do not disclose the described continuous protective film, the Board referred to and approved the position of the Examiner on that point; namely, that the sizing coats commonly used in the art are continuous, and there is no precise disclosure in the applications of any of the parties as to how anyone could apply a sizing coat that would be discontinuous, and still be effective to serve the purpose of a sizing coat. "Sizing coats, as generally applied, are not so thick," the Examiner correctly stated, "as to blanket the abrasive grains to such an extent as to interfere with or prevent the sharp points, corners and edges of the grains from cutting the work piece surface with a fairly high degree of freedom of action." Furthermore, the Board correctly held that the sizing coat of the early four-party application and the coating extending "over the whole area of the article," as disclosed in that application, constituted a continuous film meeting the requirements of the counts.

Appellants further urge that the short paragraph hereinbefore quoted by the Board from the specification in the application of 1937 is so vague as to be almost meaningless. They contend that the statement in that paragraph to the effect that the silicate coating may be applied "to articles bonded with glue," does not mean that the making coat only shall be of glue and the sizing or protective coat of a soluble silicate.

They argue that the counts do not read upon a structure in which the making coat and the sizing coat are of glue and a protective film over the sizing coat is of a soluble silicate. In dealing with this point, which was also raised before the tribunals below, the Board stated:

> Ware also contends that it cannot be urged when glue is used for two undercoats, viz., the making and sizing coats that the addition of a third outer coat of a silicate solution meets the requirements of the counts • • •. Most of the counts refer to a "making coat" of thermoplastic adhesive, but although the Ware's specification says the sealing film "may" be applied as a top or sizing coat • • • the silicate coat is recited broadly in the counts as a "protective film" or a "protective coat." The use of the term "comprise" does not exclude the use of an additional or intermediate coating, and the words "applying over such a making coat" in counts 7 and 8 merely mean that the film is applied above the making coat and not necessarily in contact therewith. Moreover, such language as "united" or "joined" to the making coat does not preclude the protective film from being united or joined to the making coat through an additional coat. Accordingly, aside from the statement in the early four party application that the silicate solution may be used for the sizing coat • • • and whether or not the words "bonded with glue" in the above quotation refers to two coats of glue, we believe that the contentions of Ware • • • are untenable.

Each of the appellants takes vigorous exception to the decisions of the Board hereinbefore expressed, not only with respect to the sufficiency of the disclosure of the applications upon which appellees rely, but also with respect to the alleged broad and "unreasonable" interpretation given to the counts. The court, however, is not convinced by the arguments of appellants that the Board erred with respect to its holdings hereinbefore described.

[2] Appellants further argue that even if the application of April 19, 1937, had disclosed the invention defined by the counts, appellees are not entitled to rely on the filing date of that application for constructive reduction to practice. Specifically appellants maintain that the Board erred in holding appellees' application of September 3, 1942, which was filed by one entity consisting of two parties, could qualify under the rule stated in the case of *In re Roberts*, 40 App. D. C. 250, as a division or continuation-in-part of earlier applications, filed by another entity consisting of four parties, since (1) reasonable diligence to correct a mistake, and (2) the establishment of good faith on the part of appellees, had not been established.

The involved application of 1937 was a four-party application, the application of May 20, 1940, was also a four-party application, filed by the same parties, as an alleged "continuation-in-part" of their previously filed application of 1937; and appellees' application here involved was filed by them September 3, 1942, as a two-party application and as a division of the then co-pending and hereinbefore described application of May 20, 1940.

The record establishes that the subject matter here in issue, namely, in a coated abrasive, the use of a thermoplastic making or bonding coat and a sizing or protective coat comprising a soluble silicate, was the exclusive invention of Roble and Ball and was mistakenly disclosed, but not claimed, in the applications of 1937 and 1940, filed by them jointly with others.

The record further discloses, and the Board correctly held, that appellees' divisional, two-party application, containing the claims drawn to the subject matter here in issue, was filed September 3, 1942, just before an appeal was entered on October 17, 1942, from the Examiner's rejection of the broad dominating subject matter of the preceding four-party application of May 20, 1940; that since appellees had filed their divisional application for the purpose of interference well within the year, from the issuance of the patent with which the interference was sought, as required by section 4903, R. S. (U. S. C., title 35, sec. 51), appellees were guilty of no laches, and acted in good faith in submitting their application containing the claims which they copied for the purpose of interference.

It should be noted that while application No. 137,796 was still pending, application No. 336,212 was filed; and while application No. 336,212 was still pending, application No. 457,174, here in issue, was filed. The subject matter of the counts, accordingly, has been continued before the Patent Office by appellees since the filing date of their parent application, April 19, 1937. On that basis, and for the reasons stated, we concur in the conclusions reached by the tribunals of the Patent Office on the respective points in question. See *Chapman et al. v. Wintroath*, 252 U. S. 126; *Alexander Milburn Company v. Davis-Bournonville Company*, 270 U. S. 390; *Benedict v. Menninger*, 20 CCPA (Patents) 1138, 64 F.2d 1001, 17 USPQ 499; *Teter v. Kearby*, 36 CCPA (Patents) —, 169 F.2d 808, 79 USPQ 65.

Subsequent to the filing of the record in this court the parties Roble and Ball filed a motion suggesting a diminution of the record of Ware by the addition thereto of certain parts of the record filed in the Patent Office. The motion was granted subject to an order of the court that the costs of printing the additional matter requested by appellees should be taxed on final decision. We are of opinion that the additional matter so certified to the court was reasonably necessary to a proper decision of the issues in this case. Under the facts thus presented, the costs of printing the additional matter requested by Roble and Ball will be taxed against the party Ware.

[3] In view of the conclusions hereinbefore set forth, it is deemed unnecessary to pass upon other points raised by the parties to this appeal. The decision of the Board of Interference Examiners is accordingly affirmed.

AFFIRMED

U. S. Court of Customs and Patent Appeals

IN RE SPAULDING ET AL.

No. 6538. Decided March 1, 1949

[— F.2d —; 81 USPQ 131]

1. PATENTABILITY — PROCESS — NEW COMBINATION OF STEPS.

Where the references, singly or in combination, do not disclose or suggest the process defined by the appealed claim, and where appellant in his process has disclosed a new combination of steps which not only perform a different function from those of the cited prior art but also produce new and unexpected results, *Held* that the claim is allowable.

2. SAME—PARTICULAR SUBJECT MATTER—PROCESS FOR SEPARATING CYCLOPENTADIENE FROM LIGHT OIL FRACTIONS.

Held that the decision of the Board of Appeals affirming the rejection of a claim to a process of separating cyclopentadiene from coke oven by-product light oil fractions as unpatentable over the prior art is reversed.

APPEAL from the Patent Office. Serial No. 481,160.

REVERSED.

James J. Shanley for Spaulding et al.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting all the claims, Nos. 1, 2, and 3, in appellants' application for a patent for alleged improvements "For Recovery of Cyclopentadiene."

Appellants have moved in their brief to withdraw the appeal with respect to claims 1 and 3, which motion will be granted.

Claim 2 was rejected as lacking invention over the following cited prior patents and publication: Ward, 2,211,038, Aug. 13, 1940; Lycan et al., 2,340,047, May 16, 1944; Glowacki et al., 2,340,418, May 23, 1944; Harkness et al., "Journal Chemical Physics," 1937, volume 5, pages 684 and 685.

Appellants' alleged invention is defined in claim 2 as follows:

> 2. A process for separating cyclopentadiene from coke oven by-product light oil fractions containing the same comprising passing the fractions into a polymerization zone, maintaining the fractions in vapor phase in the polymerization zone and at a reaction temperature between about 150° C. and about 275° C. and under a pressure in the neighborhood of atmospheric pressure, maintaining the vapors at reaction temperature for a time sufficient to polymerize cyclopentadiene to dicyclopentadiene but insufficient to cause substantial polymerization of the dicyclopentadiene to higher polymers, passing the effluent of the polymerization zone to a condensation zone wherein the effluent is reduced to a temperature below 170° C. but above 40° C. to condense the dicyclopentadiene and collecting the liquid dicyclopentadiene.

The alleged invention relates to a process for recovering cyclopentadiene from light oil fractions from coke oven by-product plants. The process defined in the claim, as correctly stated in the brief of the Solicitor for the Patent Office, comprises the following steps:

> (1) passing light oil fractions containing cyclopentadiene into a polymerization zone.
> (2) maintaining the fraction in vapor phase in the polymerization zone and at a temperature between 150° C. and 275° C. at atmospheric pressure.

(3) maintaining the vapors at reaction temperature for a time sufficient to polymerise cyclopentadiene to dicyclopentadiene but insufficient to cause substantial polymerization to higher polymers.
(4) passing the effluent from the polymerization zone to a condensation zone wherein the temperature of the effluent is reduced below 170° C. but above 40° C.

The patent to Ward discloses a process for separating cyclopentadiene from light oils, such as are obtained in the manufacture of coke-oven gas. The oil is heated under superatmospheric pressure in a closed vessel, such as an autoclave, for a period of twenty-four hours at a temperature considerably in excess of 40° C., usually not to exceed 170° C., and preferably in the neighborhood of 100° C. As a result of this treatment, the larger part of the reacting material is maintained chiefly in a liquid phase.

The cyclopentadiene is selectively polymerized to dicyclopentadiene. As described in the specification, "the dicyclopentadiene may be separated from the lower boiling materials by any suitable means such as distillation at low pressure to purify the dicyclopentadiene." The purpose of the distillation at low pressure, it is stated, is to avoid depolymerization of the dicyclopentadiene back to cyclopentadiene.

The patent to Lycan et al. discloses a process for preparing cyclopentadiene from dicyclopentadiene in which the dicyclopentadiene, preferably dissolved in a solution such as xylol, trickles down over a heated surface, thus effecting the splitting of the dicyclopentadiene and vaporization of the monomer. The vapors so produced are then quickly passed through a zone or partial condenser wherein unconverted dicyclopentadiene is condensed to a liquid without condensing the cyclopentadiene vapors which are then passed through a second condenser and also condensed to a liquid.

The patent to Glowacki et al. discloses a process for separating cyclopentadiene from dicyclopentadiene. The specification states that vaporized cyclopentadiene is returned to the liquid state to be polymerized. The essence of the invention resides in the fact that when—

coke oven light oil fractions are heated at substantially the normal boiling point of cyclopentadiene and at substantially atmospheric pressure and with continuous refluxing of volatised components of said fractions to the heating vessel, the cyclopentadiene content is rapidly polymerised substantially completely to the dimer form * * *.

Upon completion of the polymerization of the cyclopentadiene to the dimer form, the objectionable materials are removed therefrom by fractional distillation.

The article published by Harkness et al. shows, as appellants concede in their brief, "that polymerization of pure cyclopentadiene in vapor phase can be accomplished in appellants' temperature range but without good control and with time factor undisclosed."

The appealed claim was rejected by the Examiner as lacking invention over the disclosure of either the patent to Ward or the patent to Glowacki et al. in view of the disclosure of the patent to Lycan et al. and the published article by Harkness et al. The Examiner's position was that no invention would be involved in substituting the vapor phase polymerization defined in the secondary references, and in the appealed claim, for the liquid phase polymerization disclosed in the patent to Ward and Glowacki et al., nor in the substitution of fractional condensation as claimed by appellant for the fractional distillation disclosed by each of those two patents.

The Board agreed with the grounds of rejections stated by the Examiner. The Board considered that the references disclosed vapor phase polymerization, and that to obtain the process defined by the claim on appeal it was only necessary, without the exercise of the inventive faculty, to substitute the specific disclosures of the cited art for the steps and conditions enumerated in the claim.

The Solicitor for the Patent Office contends that the disclosure of the patent to Ward contains everything set forth in the respective steps of the process claimed by appellants, with the possible exception of the temperature and pressure limitation of appellants' step 2, supra. He contends further that the temperatures set forth in the Harkness et al. publication clearly fall within the range defined in step 2 of the claim, and that the pressure limitation of the publication would appear to be clearly in "the neighborhood of atmospheric." Accordingly, the Solicitor submits, only skill of the art would be involved in utilizing those conditions for the ones specifically taught by the patent to Ward.

We are unable to agree with the conclusion expressed by the Solicitor or with the reasoning upon which the Board of Appeals reached its final conclusion. With respect to pure cyclopentadiene, the cited art discloses that vapor phase dimerization offers serious difficulties that are not presented in liquid phase polymerization. The reasonable inference to be drawn from the article by Harkness et al. is that the vapor phase dimerization of cyclopentadiene is unpredictable and that the liquid phase polymerization is the proper solution of the problem.

[1] The references, singly or in combination, do not disclose or suggest the process defined by the claim. The mere substitution of the vapor phase polymerization defined by the secondary references for the liquid phase polymerization disclosed by the patents to Ward and Glowacki et al. is not sufficient to meet the critical differences between the processes of the prior art and the process claimed by appellant. It is our opinion, in view of the record, that appellant in his process has disclosed a new combination of steps which not only perform a different function from those of the cited prior art but also produce new and unexpected results.

[2] In view of that conclusion, it is deemed unnecessary to discuss other points to which counsel have directed their arguments. Appellants' motion to dismiss the appeal with respect to claims 1 and 3 is granted, and the decision of the Board of Appeals with respect to claim 2 is reversed.

REVERSED.

JACKSON, J., dissents.

U. S. Court of Customs and Patent Appeals

IN RE HENDERSON ET AL.

No. 5539. Decided March 1, 1949

[— F.2d —; 81 USPQ 133]

1. DIVISION—PRODUCT AND METHOD OF MAKING—OTHER METHODS.

If a claimed product can be made by methods other than that called for by the claimed method, the product claims cover a different inventive act and division is properly required.

2. SAME—SAME—PRODUCT DIFFERING FUNCTIONALLY.

Where the crux of the alleged invention in the product claims rests solely upon the "essential distinguishing characteristics of the novel article," *Held* that the article claimed cannot be regarded as differing structurally from the article produced according to the other processes defined by the prior patents, since the patentable novelty of article claims cannot be predicated solely upon the properties or functions of the claimed article.

3. SAME—SAME—WHEN PROPER.

To properly include process and product claims in the same application there must be such a correlation between the process claims and the product claims as to limit them to a single inventive act, and if the different claims cover different inventive acts, division is properly required.

4. SAME—SILICONIZED ARTICLE AND METHOD OF PRODUCTION.

Where the Examiner required division between claims to a siliconized article and claims to a method of providing a silicon containing coating or case, and asserted that the article could be made by other processes, and where appellants concede that the article broadly speaking can be produced by other processes, and the involved article claims are much broader in scope than the process claims, *Held* that the decision of the Board of Appeals affirming the Examiner's rejection on misjoinder, is affirmed.

APPEAL from the Patent Office. Serial No. 475,560.

AFFIRMED.

Roy F. Steward for Henderson et al.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting on the ground of misjoinder of invention claims 16 to 30, inclusive, in appellants' application for a patent for alleged "Improvements in Siliconizing Processes and Products Thereof."

Appellants' application relates specifically to the process of producing on metal articles, especially ferrous metal articles, an adherent coating or case containing silicon, and the articles so produced. In the prosecution of the application, the Examiner required division between the process and the article claims. After election by appellants, the Examiner allowed the process claims. Accordingly, claims 1 to 15, inclusive, directed to the process, were allowed by the Examiner, and claims 16 to 30, inclusive, directed to the article produced by the process, were rejected as drawn to a nonelected species.

The requirement for division made by the Primary Examiner was approved by the Examiner of Classification and affirmed by the Board of Appeals. Those decisions were based on the grounds (1) that the claimed article may be made by processes other than that disclosed and claimed by appellants; and (2) that the process and the product are separately classified and have different fields of search.

Appellants' petitioned the Board requesting reconsideration of its decision. The Board granted the request and considered appellants' contentions, but denied the petition with respect to making any change in the Board's original decision.

Claim 16 is representative of the article claims, and claim 1 is representative of the process claims. They read:

16. As a new article of manufacture, a siliconized article having a silicon-containing case bonded to a base or core, said case having a sufficiently high silicon content to render it satisfactorily resistant to corrosion by standard test, and being of such integral structure and so firmly bonded to said core that both the case itself and its bonding to the core are resistant to substantial thermal shock.

1. The process of providing a suitably heat-resistant article with a silicon-containing coating or case that is resistant to corrosion and thermal shock, which comprises maintaining said article in a reaction zone at a temperature of at least about 1400° F. but below a temperature sufficiently high to injure the article, while subjecting it to the action of a treating atmosphere substantially free from oxygen, both elemental and combined, and containing both silicon chloride and free hydrogen as essential components, the proportioning of said components in the atmosphere as supplied to the reaction zone being such that, expressing the silicon chloride component in the terms of silicon tetrachloride, the weight of the free hydrogen component is between 0.02 and 4.0 per cent of the weight of the silicon chloride component.

The following prior art patents were cited by the tribunals of the Patent Office as showing the different status of the process and article claims and as illustrative of other processes by which the claimed article may be made: Becket, 1,672,444, June 5, 1928; Marshall, 1,853,369, Apr. 12, 1932.

The claims for the article do not here involve, per se, consideration of the question of their patentability. The sole issue presented is whether it was proper to require division between the claims for the process and those directed to the article and to reject the article claims for alleged misjoinder of invention.

[1] No question is raised as to the correctness of the rule that if a claimed product can be made by methods other than that called for by the claimed method, the product claims cover a different inventive act, and division is properly required. *In re Hirschhorn*, 34 CCPA (Patents) 1156, 162 F.2d 489, 74 USPQ 183, 605 O. G. 6. Appellants contend (1) that the involved requirement for division ought not to be sustained, however, because in the instant case the available evidence adduced by the Patent Office, including the Becket and Marshall patents, is strongly against any probability that appellants' claimed article can be made by processes other than appellants' claimed process; and (2) the assertion that the two groups of claims have different fields of search is without support in the record and is manifestly erroneous but were it correct, the fact would not be of controlling consideration.

[2] More specifically, appellants urge that it was incumbent on the tribunals of the Patent Office when attempting to justify a requirement for division on the basis of the rule stated in the Hirschhorn case, supra, to consider the limitations of the

appealed claims, which claims, according to appellants' brief, "expressly emphasize, as essential distinguishing characteristics of the novel article," that the silicon coating or case shall be satisfactorily resistant to corrosion and to substantial thermal shock, as defined in appellants' specification.

The Board in its disposition of appellants' first contention considered the claimed product or article as a structure or composition and held that the structure claimed could be made by other processes. The Board explained its position as follows:

> Nor, do we think the suggestion that articles such as those claimed, might be made by other process, needs the support of a reference describing another method of making appellants' claimed article. That would require a complete examination of the merits of the non-elected article claims including a determination of the scope of the term "satisfactorily resistant to corrosion and to thermal shock" emphasized in the brief. We do not think the law requires a complete and detailed examination and determination of the merits of a claim or the finding of a substantial anticipation of such claim, as a condition precedent to a requirement to divide them from the application. It is believed sufficient to assert our opinion of the probability that articles of the same class, i. e, silicon-cased metal articles, are producible by other processes and we consider Becket and Marshall sufficient to support that opinion. • • •

Appellants take issue in their brief with the holding of the Board "that articles of the same class, i. e., silicon-cased metal articles, are producible by other processes" and make the following statement:

> Nobody, of course, would deny for a moment that silicon-cased metal articles, *broadly speaking*, are producible, and have been produced, by other processes. But this has nothing to do with the question at issue. The answer to that question depends upon what appellants are *claiming*. Obviously appellants are not claiming silicon-cased articles *broadly*. What they are claiming is a particular kind of silicon-cased article, assertedly novel and specifically defined by vitally important properties and characteristics which, as is elsewhere fully explained • • • sharply distinguish them from all other "articles of the same class" • • •. [Italics quoted.]

In view of the statement hereinbefore quoted from the brief for appellants and the fact that the involved article claims are much broader in scope than the process claims, as may be observed from an examination of the quoted claims herein, we cannot agree with appellants' contention. Under the authorities, the patentable novelty of article claims, as far as this case is concerned, cannot be predicated solely upon the properties or functions of the claimed article. *General Electric Co.* v. *Wabash Appliance Corp. et al.*, 304 U. S. 364, 491 O. G. 463; *In re Fullam et al.*, 34 CCPA (Patents) 1018, 161 F.2d 247, 73 USPQ 390, 603 O. G. 189.

Appellants having predicated their position as the crux of the alleged invention solely on the "essential distinguishing characteristics of the novel article," the article thus claimed cannot be here regarded as differing structurally from the article produced according to the other processes defined by the respective patents to Becket and Marshall. Nor can this conclusion be affected by the alleged fact that appellants are highly trained scientists and skilled workers in the involved art who know of no way of producing the article other than by the claimed process. See *In re Charles P. Wellman*, 18 CCPA (Patents) 1214, 48 F.2d 926, 9 USPQ 169, 410 O. G. 1057; *In re Smith, Jr.*, 29 CCPA (Patents) 1011, 127 F.2d 144, 53 USPQ 367, 542 O. G. 606.

[3] Appellants further contend that the Board in rendering its decision erroneously suggested that to properly include process and product claims in the same application they must constitute a single invention.

The statement which appellants made in support of their position, when read in the light of all that was stated on the subject in the decision by the Board, indicates that the challenged statement was in full accord with the proper rule of law applicable to the question here in issue; namely, that to properly include process and product claims in the same application there must be such a correlation between the process claims and the product claims as to limit them to a single inventive act, and if the different claims cover different inventive acts, division is properly required. *In re Ferenci*, 21 CCPA (Patents) 856, 68 F.2d 737, 20 USPQ 242, 444 O. G. 256; *In re Smith, Jr.*, supra; *In re Coulter*, 33 CCPA (Patents) 1088, 155 F.2d 271, 69 USPQ 531, 590 O. G. 519.

The Board in its decision on appellants' petition for reconsideration stated the members of the Board were well aware that, as appellants contended, where two groups of process and product claims are submitted in the same application, the fact that such claims have different fields of search, while persuasive, may not in all instances be of controlling consideration on the issue of misjoinder of invention. In view of that position, no further discussion of appellants' second ground of contention is deemed necessary.

[4] In view of the conclusions hereinbefore set forth, it is deemed unnecessary to pass upon other points raised by the parties to this appeal. The decision of the Board of Appeals is accordingly affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE PRUTTON

No. 5549. Decided March 1, 1949

[— F.2d —; 81 USPQ 144]

1. APPEAL TO COURT OF CUSTOMS AND PATENT APPEALS—REASONS OF APPEAL—NON-ELECTED SPECIES.
   Where appellant brings all of the claims set out in his application before us on appeal, and in his reasons of appeal alleges error by the Board of Appeals "in rejecting each and all of the claims on appeal," and where claims are rejected on the ground that they are drawn to non-elected species, and appellant does not deny that the claims rejected on that ground are actually drawn to non-elected species, *Held* that, unless a generic claim is found allowable, the rejection is proper.
2. WORDS AND PHRASES—CARBOXYLIC ACID.
   Held that in a carboxylic acid the free valence of the carbon atom of the —COOH group is always attached to either carbon or hydrogen, with the sole exception of carbamic acid, and that the free valence is never bonded to oxygen.
3. SAME—XANTHATES.
   Held that, strictly speaking, xanthates cannot be said to be derivatives of a carboxylic acid.

4. PATENTABILITY—INVENTION—EQUIVALENTS.
   Where the essence of the reference patent is the addition to lubricating oils of certain types of organic sulfur compounds including the xanthic acid esters, and the essence of appellant's alleged invention is the addition of sulfur-containing derivatives of organic acids, a principal group being derivatives of this acid, *Held* that, in view of the striking similarity of the chemical formulas, the compounds disclosed by the reference and appellant are equivalents.
5. SAME—SAME—SAME.
   Where the M patent teaches the use of halogenated petroleum (paraffin) wax, and appellant's patents teach the equivalence as addition agents of halogenated paraffin wax and chlorinated diphenyl ether, *Held* that appellant is not entitled to an award of patentability of a claim covering the latter.
6. SAME—PARTICULAR SUBJECT MATTER—LUBRICANT.
   Certain claims to a lubricant containing a small amount of an oil-soluble derivative of a thiocarboxylic acid *Held* properly rejected as lacking invention over the prior art, and other claims *Held* properly rejected as not reading on the elected species.

APPEAL from the Patent Office. Serial No. 485,891.

AFFIRMED.

Oberlin & Limbach (*Almon S. Nelson* and *Oscar C. Limbach* of counsel) for Prutton.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the rejection by the Primary Examiner of all the claims, 1 to 26, inclusive, 29 to 51, inclusive, and 53 to 58, inclusive, in appellant's application for a patent for new and useful improvements in "Lubricant Improving Agent and Lubricant Containing Same." Claims 5–13, 19–24, 26, 31–33, 38–42, 44–47, 49–51, and 55–58 were rejected as not reading on the elected species. The remaining claims were rejected as lacking invention over the prior art.

The references cited by the Examiner and Board are: Humphreys et al., 2,073,841, March 16, 1937; Adams et al., 2,110,281, March 8, 1938; Miller et al., 2,156,265, May 2, 1939; Prutton et al., 2,208,162, July 16, 1940; Prutton et al. (British), 454,552, Sept. 29, 1936.

Claim 1 is illustrative of the matter alleged to be new. It reads as follows:

> 1. A lubricant characterized by the presence therein of a minor amount, sufficient to stabilize the oil components, of an oil-soluble derivative of a thiocarboxylic acid.

Appellant's application, filed May 6, 1943, is said to be a continuation-in-part of an earlier application, Serial No. 193,960, filed March 4, 1938, which has since matured into Patent No. 2,318,629, dated May 11, 1943, which was in turn a continuation-in-part of appellant's application, Serial No. 737,070, filed July 26, 1934.

The subject matter of the alleged invention relates to lubricating compositions characterized by the presence of oil soluble derivatives of organic thio acids, limited to those compounds where a substituent has replaced one of the acid hydrogens. These derivatives, designated "Characterizing Addition Agents," are further limited to sulphur-containing derivatives of carboxylic acids.

The primary function attributed by appellant to his alleged invention is the imparting to lubricants of the property of increased load carrying ability, known to the art as the "extreme pressure characteristic." That results from a reaction occurring between the characterizing addition agent in the lubricant and the metal surfaces of the moving parts of the machinery being lubricated, in which a film forms on those metal surfaces and acts effectively as a barrier to acids formed in the lubricant in the heat and stress of operating conditions. A further function of the agent is that of a deterrent against the deterioration of the oil base of the lubricant from decomposition and oxidation.

Claims 1 through 26, inclusive, cover the use of the characterizing addition agent alone in the lubricating medium.

Claims 29 through 38, inclusive, and 53 through 56, inclusive, relate to a further advance in the art which appellant asserts is realized when the characterizing addition agents are used in a lubricating medium together with other substances, described as "Cooperating Addition Agents." The cooperative effect resulting from the combined presence of the characterizing and cooperating addition agents in achieving the objectives of the alleged invention is asserted to be greater than the normal cumulative effect of the individual components. Among the cooperating addition agents claimed are members of the following classes: the organic halogen compounds; organic compounds containing a metal; organic derivatives of inorganic oxy-acids; and organic oxygen compounds.

The application limits the compounds used either as characterizing or cooperating addition agents to those which are soluble in refined mineral lubricating oil at least to the extent of 0.1%.

Claims 39 through 51, inclusive, 57, and 58 cover the use with the characterizing addition agent in the lubricant of a plurality of cooperating addition agents of the type specified.

[1] The Examiner rejected claims 5–13, 19–24, 26, 31–33, 38–42, 44–47, 49–51, and 55–58 as not reading on the elected species. The Board of Appeals referred to that rejection and held that the involved claims were therefore not before it for consideration. Appellant brings all of the claims set out in his application before us on appeal, and in his reasons of appeal he alleges error by the Board of Appeals "In rejecting each and all of the claims on appeal." Where claims are rejected on the ground that they were drawn to non-elected species, and the appellant does not deny that the claims rejected on that ground are actually drawn to non-elected species, unless a generic claim is found allowable, the rejection is proper. *In re Prutton*, 35 CCPA (Patents) 934, 166 F.2d 181, 76 USPQ 606, 610 O. G. 767; *In re Hock*, 35 CCPA (Patents) 1235, 168 F.2d 540, 78 USPQ 75, 614 O. G. 16.

The patent to Humphreys et al. discloses a lubricant composed of a major portion of hydrocarbon or fatty lubricating oils with from 0.5% to about 5.0% of "organic derivatives of organic thio acids,

particularly the esters and 'anhydrides' of organic thio acids."

The Miller et al. reference discloses a lubricant composed of a major proportion of a mineral lubricating oil to which has been added a minor proportion of halogenated petroleum wax and an agent containing "corrosive" sulphur.

The Adams et al. patent discloses a lubricant prepared by adding a small quantity of xanthic disulfides or xanthates to mineral lubricating oils. Among the additives disclosed are xanthic acid esters.

The Prutton domestic patent cited discloses the combined use of halogenated organic oxygen-bearing compounds and organic sulphur compounds in a suitable lubricating oil base. The compounds of the first category used include aliphatic derivatives of hydrocarbons of the paraffin series, while the latter category includes organic disulfides, thio acids, and organic xanthates.

The British patent to Prutton et al. discloses a lubricant comprised of a lubricating oil base together with a halogenated organic compound, such as aliphatic derivatives of hydrocarbons of the paraffin series, and a separate oxygen or sulphur-containing organic compound, such as carboxylic acids and the esters and salts of such acids.

The claims which were rejected as lacking invention over the prior art may be conveniently grouped for consideration here into the following categories:

I. Those which the Primary Examiner held to be directly anticipated by the patent to Humphreys et al.; claims 1 to 4, inclusive, 14, 15, and 25.

II. Those rejected by the Examiner as lacking patentability over the Humphreys et al. patent; claims 16 to 18, inclusive, 48, and 53.

III. Those rejected by the Examiner as lacking invention over the patent to Humphreys et al. in view of the patent to Miller et al.; claims 29, 30, 34 to 37, inclusive, 43, 48, 53, and 54.

IV. Those further rejected as lacking invention over the patent to Adams et al.; claims 1 to 4, inclusive, 14 to 18, inclusive, and 25.

V. Those further rejected as lacking invention over the patent to Adams et al. in view of the patent to Miller et al., and in the light of the disclosures of the Prutton et al. domestic and foreign patents cited; claims 29, 30, 34 to 37, inclusive, 43, 48, 53, and 54.

VI. Those further rejected as being too broad in failing to set forth that the additive is present in amounts sufficient to stabilize the oil components; claims 1, 2, and 3.

The basis for rejection applying to the claims in group VI, supra, was met by an amendment filed by appellant which the Board held corrected the defect noted by the Examiner. The Board affirmed the basis for rejection set forth in groups I through V, supra, applying to the claims there enumerated.

Appellant's contentions before us may be briefly summarized as follows:

First. Since the parent application, Serial No. 737,070, filed July 26, 1934, of which the present application is alleged to be a continuation-in-part, antedates the Humphreys et al. reference (filed Dec. 8, 1934), and, since the disclosures in the instant application are based on subject matter set out and claimed in the parent application, the Humphreys et al. patent is not properly citeable as a prior art reference. If that contention of appellant is upheld here, it would dispose of the grounds for rejection hereinbefore grouped in categories I, II, and III.

Second. The Adams et al. patent is not a proper reference, as the derivatives of xanthic acid there disclosed are patentably distinct from the derivatives of thio-carboxylic acid disclosed by appellant. If that contention of appellant is upheld here, it will dispose of grounds for rejection in groups IV and V, supra.

Grounds I, II, and III, supra, embrace all of the claims not otherwise rejected as reading on non-elected species. Likewise, grounds IV and V, supra, cover all of the claims other than those rejected for failure to read on the elected species. Because of the nature of the issues involved, we shall first examine the merits of the rejection as applying to claims in groups IV and V, supra. If we should affirm the rejection of those claims, it will be unnecessary to consider the basis for rejection of the claims in groups I, II, and III, supra.

As to groups IV and V, supra, in which the Adams et al. patent is cited as the basis of rejection, the Examiner held that the compounds of thio-carbonic acid disclosed by Adams et al. "literally conform to the definition of thio carboxylic acids." Those compounds, esters of xanthic acid (a sulphur-containing derivative of carbonic acid) were also considered by the Board to constitute the basis whereby Adams et al. anticipate appellant's subject matter. All of the claims in group IV specify the use of a thio acid derivative of some type. Appellant contends that xanthic acid is distinguishable from carboxylic acid. The Board held that inasmuch as xanthic acid contains a thio-carboxyl radicle, it is a thio-carboxylic acid. That issue was argued with some emphasis before us. Appellant contends that "Any standard chemical textbook will give the formula of a carboxylic acid as an acid containing the —COOH group with the free valence of the carbon atom attached to either carbon or hydrogen"; whereas "the free valence of carbon in a xanthic acid is bonded to oxygen • • •." Neither the Examiner nor the Board cited textual authorities on that issue. The Board said in its decision, however,

> Appellant's argument that xanthic acid is not known in a free state is immaterial. It contains a thio-carboxyl radicle and is therefore a thiocarboxylic acid according to Webster's Dictionary.

Webster's New International Dictionary, 2d Ed., does not define the term "thio-carboxylic acid"; however, it does contain a definition of "thio acid," "carboxyl," and "carboxylic," as follows:

> thio acid. *Chem.* An acid in which oxygen is partly or wholly replaced by sulphur. • • •
> carboxyl, *n.* *Chem.* The univalent radical CO_2H, the characteristic group of most organic acids, • • •
> carboxylic, *adj.* *Chem.* Of, pertaining to, or containing, carboxyl.

The Solicitor for the Patent Office challenges appellant's contention, stating that by its terms carbamic acid would be excluded from the class of carboxylic acids. In carbamic acid, the free valence of carbon is bonded not to carbon, hydrogen, or oxygen, but to nitrogen. The solicitor quotes from Karrer's Organic Chemistry, 2nd English Edition, Elsevier Publishing Co., New York, 1946, page 217, as follows:

> The formation of viscose silk from cellulose depends on a general reaction of carbon disulfide with alcohol. It combines with them in the presence of alkalis to give xanthates, ester-salts of the dithiocarboxylic acids, • • •.

Appellant insists that standard text books support his contentions respecting the distinction between xanthic acid and carboxylic acid, as hereinbefore set out. He cited no specific texts.

We have examined six standard texts in the field of organic chemistry, as well as the Third English Edition, 1947, of the text cited by the solicitor. The texts examined, in addition to the latter, are:

Introductory Organic Chemistry, by E. Wertheim, Blakiston Co., Philadelphia, 1948.
Organic Chemistry, Lucas, American Book Co., New York, 1935.
Organic Chemistry, Fuson and Snyder, John Wiley & Sons, New York, 1942.
Organic Chemistry, Eldin V. Lynn, Lea & Febiger, Philadelphia, 1945.
Textbook of Organic Chemistry, Geo. H. Richter, John Wiley & Son, New York, 1938.
Organic Chemistry, Frank C. Whitmore, D. Van Nostrand, New York, 1937.

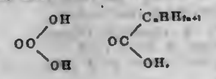
[2], [3] Based on our examination of these texts, our conclusions are as follows: (1) in a carboxylic acid the free valence of the carbon atom of the —COOH group is always attached to either carbon or hydrogen, with the sole exception of carbamic acid, where the free valence of the carbon atom of the —COOH group is attached to nitrogen; (2) the free valence of carbon in xanthic acid is always bonded to oxygen; (3) it cannot be said that xanthates are derivatives of a carboxylic acid, strictly speaking, because of the unique bonding of the free valence of the carbon atom to oxygen in xanthic acid. In the case of carboxylic acid, the free valence of the carbon is never bonded to oxygen. Thus, we are led by our conclusions to agree with the appellant's contention; however, this alone does not dispose of the Allen et al. reference.

[4] The Examiner stated in his decision, "But even if it be held that thio carbonic acids are not thio carboxylic acids, the two types of compounds are so closely related as to be equivalents from the standpoint of patentability." In considering that finding of the Examiner, it will be helpful to examine the chemical formulas of the compounds involved. As taken from the texts hereinbefore cited, they are:

Xanthic acid $C_nH_{2n+1}OCSSH$
Thio acids $C_nH_{2n+1}COSH$
Dithio acids $C_nH_{2n+1}CSSH$
Ethyl acid ester, known as ethyl xanthic acid
$CH_3—CH_2—O—CSSH$

In the foregoing table, thio acid would express the formula for thio-carboxylic acid. The relationship between carbonic acid and carboxylic acid is expressed at page 182 of Karrer's Organic Chemistry, 3rd English Ed., Amsterdam, 1947, as follows:

> • • • it is also convenient to regard the carboxylic acids as derivatives of carbonic acid, one of the hydroxyl groups of the latter having been replaced by an alkyl radical:



The essence of the Adams et al. patent is the addition to lubricating oils of "certain types of organic sulphur compounds," one group of which is that of xanthic acid esters. The essence of appellant's alleged invention is the addition of sulphur-containing derivatives of organic acids, a principal group of which is that of the thio acids and their derivatives. The essential elements of both the Adams et al. patent and appellant's alleged invention, therefore, are carbon (organic) and sulphur (thio). From this point of view, and in view of the striking similarity of the chemical formulas, supra, for xanthic acid and thio acids, we agree with the Examiner that insofar as patentability is concerned, the compounds in issue disclosed by Adams et al., and appellant are equivalents. *Read Holliday & Sons, Ltd.* v. *Schulze-Berge et al.*, 78 Fed., 493; *Ufer et al.* v. *Williams*, 23 CCPA (Patents) 797, 79 F.2d 892, 27 USPQ 449, 464 O. G. 237; *In re Ayres*, 23 CCPA (Patents) 1118, 83 F.2d 297, 29 USPQ 424, 471 O. G. 247.

Appellant contends further that carbonic acid is an inorganic acid and thus distinguishable from the organic carboxylic acid. It is a matter of general knowledge that organic chemistry is concerned with the chemistry of carbon compounds, while inorganic chemistry deals with compounds of all other elements. Carbonic acid, H_2CO_3, is not clearly excluded from either class, but is ordinarily dealt with, as a matter of convenience, in inorganic chemistry. Carbonic acid, however, receives prominent treatment in standard works on organic chemistry, and, being a carbon compound, is not properly distinguishable from the field of organic chemistry.

While the claims in group IV, supra, were rejected by the Examiner on the basis of lacking invention over the patent to Adams et al., those in group V, supra, were rejected on the basis of lacking invention over Adams et al. in view of Miller et al. All of the claims in group V, supra, with the exception of claim 53, concern the use with a derivative of a thio-carboxylic acid as a characterizing addition agent in a lubricating composition, of one or more cooperating addition agents consisting of organic oxygen or halogen compounds. Claim 1 of the Miller et al. reference reads:

> 1. An improved lubricant for extreme pressure conditions comprising a major proportion of a mineral lubricating oil, a minor proportion of a halogenated petroleum wax and an agent containing "corrosive" sulfur.

The specification to the Miller et al. reference patent discloses the desirability of using sulphur and chlorine in separate compounds rather than in a single compound in a lubricating composition. The examiner held that disclosure, when considered in the light of the disclosures in the Prutton et al. domestic and foreign patents cited as references, teaches the use of halogen and organic compounds in a lubricating composition, and that the claims in this group are unpatentable in view of the references. Appellant contends that the Miller et al. reference to "corrosive" sulphur distinguishes that patent from the sulphur compounds he is claiming. As pointed out in the Solicitor's brief, however, the

claims in group V, supra, were rejected on Adams in view of Miller, not vice versa. Thus the combination of the references adds the use of Miller's halogenated paraffin to the characterizing agent disclosed by Adams et al. The subject matter of appellant's claims rejected in group V, supra, is unpatentable in view of that combination. Both of the Prutton references teach the use as addition agents of halogen and oxygen bearing organic compounds, and Miller et al. solved the problem of bringing a halogen (chlorine) into effective use in a lubricating composition containing sulphur, by introducing the chlorine and sulphur in separate compounds.

[5] Claim 37 of group V, supra, discloses the use of "chlorinated diphenyl ether" as the addition agent. The Prutton domestic patent specifically points out "halogenated diphenyl ether" as an example of a halogenated organic compound useful as an addition agent, while the Prutton British patent sets out chlorinated diphenyl as a halogenated addition agent. Both patents teach that halogen and oxygen bearing derivatives of the hydrocarbons of the paraffin series are equivalent in effectiveness as addition agents to halogenated derivatives of diphenyl ether. Since the Miller patent teaches the use of halogenated petroleum (paraffin) wax, and the Prutton references teach the equivalence as addition agents of halogenated paraffin wax and chlorinated diphenyl ether, appellant, as the Examiner and the Board held, is not entitled to an award of patentability of a claim covering the latter. *In re Ayres*, supra; *In re McKee*, 25 CCPA (Patents) 1064, 96 F.2d 294, 37 USPQ 532, 496 O. G. 563; *In re Withington*, 28 CCPA (Patents) 1290, 104 F.2d 192; 41 USPQ 742, 508 O. G. 296.

Claim 53 defines the addition agent as "an extreme pressure addition agent." The teaching of Adams et al. in view of Miller et al. is the use of an organic sulphur compound (xanthic disulfides, or xanthates) with an addition agent (halogenated petroleum wax) in a lubricant to improve that lubricant for extreme pressure conditions. Functionally speaking, those agents are "extreme pressure agents," and appellant's claim 53 in specifying the use with an organic sulphur compound in a lubricant, of "an extreme pressure addition agent," obviously adds nothing patentable over that combination of references cited by the tribunals below.

[6] For the foregoing reasons, we agree with the decision of the Primary Examiner and the Board of Appeals rejecting all of the claims in groups IV and V, supra. Those claims, together with those rejected as reading on non-elected species, comprise all of the claims in the application and before us on appeal.

It is unnecessary to burden this opinion with a detailed consideration of the grounds for rejection of the claims on appeal, as set forth in groups I, II, and III, supra. We considered them in full in the course of arriving at our decision. We cannot refrain from commenting, however, that on the issue of estoppel raised by the Examiner, we believe the rule expressed in *Chapman* v. *Beede*, 54 App. D. C. 209, 296 F. 956, 323 O. G. 230, as followed in *Jenks* v. *Knight*, 24 CCPA (Patents) 1227, 90 F.2d 654, 33 USPQ 601, 485 O. G. 202, would apply. Of interest on this issue are the cases of *In re Prutton*, 28 CCPA (Patents) 1343, 121 F.2d 524, 50 USPQ 128, 533 O. G. 755, and *In re Hanna*, 30 CCPA (Patents) 1115, 136 F.2d 749, 58 USPQ 393, 556 O. G. 712.

For the reasons hereinbefore set out, the decision of the Board of Appeals rejecting all of the claims in appellant's application is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,700,985, C. H. Jasper, Process and device for joining, finishing and final insulating wire terminals of electrical conductors, filed Jan. 7, 1936, D. C., S. D. N. Y., Doc. 82/99, *Ideal Commutator Dresser Co. et al.* v. *American Insulator Corp.* Consent decree against Eck Electric Mfg. Corp. and R. Eckstein, favor of plaintiffs, sustaining patent, adjudging infringement and granting injunction Nov. 23, 1938; decree pro confesso against American Insulator Corp. June 6, 1939; order dismissing cause for lack of prosecution Jan. 21, 1941. Same, filed Jan. 8, 1934, D. C., S. D. N. Y., Doc. 78/117, *Ideal Commutator Dresser Co. et al.* v. *Union Insulating Co.* Decree pro confesso granting injunction against defendant Aug. 18, 1934; order filed dismissing cause for lack of prosecution Dec. 12, 1938; order vacating order of dismissal Feb. 15, 1939.

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1,847,365, C. D. Skinner, Extrusion of metal, filed Feb. 26, 1949, D. C., W. D. Pa., Doc. 7684, *C. D. Skinner et al.* v. *Aluminum Co. of America.*

1,853,633, S. F. Arbuckle, Depressible beam headlight, D. C., E. D. Pa., Doc. 1264, *United Lens Corp.* v. *General Electric Co. et al.* Stipulation of counsel to dismiss case with prejudice Jan. 12, 1949.

1,893,245, C. C. Rita Weiler, Mirror structure for trucks, filed Mar. 4, 1949, D. C., N. D. Ill., E. Div., Doc. 49c382, *American Automatic Devices Co. et al.* v. *Interstate Mfg. Corp.*

1,912,410, W. Shotey, Device for dressing grinding wheels, D. C., E. D. Mich., S. Div., Doc. 4581, *W. Shotey* v. Apex Broach Co. Decree for plaintiff holding claims 1, 2, 3, and 4 valid (notice Apr. 19, 1949).

2,031,036, C. G. Dreymann, Composition of matter and method of its production, filed Oct. 21, 1946, D. C., W. D. Pa., Doc. 6013, *Sutherland Paper Co.* v. *Grant Paper Box Co.* Same, filed May 20, 1947, D. C., W. D. Pa., Doc. 6513, *Russell Box Co.* v. *C. G. Dreymann.* Same, filed Dec. 17, 1947, D. C., W. D. Pa., Doc. 6857, *Container Corp. of America* v. *Grant Paper Box Co. et al.*

2,031,427, W. A. Papworth, Centrifugal clothes dryer, filed Apr. 7, 1949, D. C., S. D. N. Y., Doc. 49/639, *Easy Washing Machine Corp.* v. *R. H. Macy & Co., Inc.*

2,099,395, H. E. Tauts, Safety shield, filed July 20, 1948, D. C., W. D. Pa., Doc. 7289, *The Black & Decker Mfg. Co.* v. *Rockwell Mfg. Co.* Same, filed July 21, 1948, D. C., W. D. Pa., Doc. 7290, *The Stanley Works* v. *Rockwell Mfg. Co.*

2,090,874, H. C. Myers, Trailer, D. C. Oreg. (Portland), Doc. 3115, *H. C. Myers* v. *Pruehauf Trailer Co. of Calif. et al.* Decree favor plaintiff Apr. 13, 1949.

2,143,606, R. Mooney, Tripod, filed Mar. 29, 1949, D. C., N. D. Ill., E. Div., Doc. 49c549, *Quick-Set, Inc.* v. *C. P. Rubens et al.*

2,189,356, A. M. Briggs, Rotary pump, D. C., S. D. Calif. (Los Angeles), Doc. 9240–BH, *Jabsco Pump Co.* v. *Snow Marine, Inc., et al.* Consent judgment holding patent valid and infringed, injunction (notice Apr. 18, 1949).

2,201,068, G. Wintrits, Manufacture of slide fasteners, D. C., S. D. N. Y., Doc. 39/307, *Conmar Products Corp.* v. *Atom Tool Corp. et al.* Stipulation of dismissal Apr. 13, 1949.

2,235,235, M. R. Price, Tool, filed Dec. 16, 1946, D. C., W. D. Pa., Doc. 6121, *The Celotex Co.* v. *Armstrong Cork Co.* Same, filed July 1, 1948, D. C., W. D. Pa., Doc. 7258, *The Celotex Corp.* v. *Armstrong Cork Co.*

2,238,738, H. R. Hurd, Composition for coating metal being formed, filed Apr. 11, 1949, D. C., W. D. Mo. (Kansas City), Doc. 5660, *H. R. Hurd* v. *Sheffield Steel Corp.*

2,279,696, W. H. St. Thomas, Cigarette cases, filed Apr. 4, 1949, D. C., S. D. N. Y., Doc. 49/600, *E. J. Wilkins Co.* v. *Rogers Imports, Inc.*

2,293,950, H. C. Wright, Beater ejector for mixers, filed Mar. 4, 1949, D. C., N. D. Ill., E. Div., Doc. 49c392, *Sunbeam Corp.* v. *Dormeyer Corp.*

2,297,156, F. Magidson, Machine for making gem paper clips, D. C., W. D. Pa., Doc. 3390, *Pittsburgh Cut Wire Co.* v. *Sufrin's, Inc., et al.* Case closed under rule 17 amended Mar. 7, 1949.

2,322,245, M. L. Lockahart, Hypodermic injector and method of use thereof, filed Apr. 7, 1949, D. C., E. D. Mich., S. Div., Doc. 8073, *Becton Dickinson & Co.* v. *Robert P. Scherer Corp.*

2,340,862, G. C. Bruen, Card file, filed May 10, 1948, D. C., W. D. Pa., Doc. 7169, *S. E. Bruen et al.* v. *Sharon Machine Products Co.*

2,345,849, Winslow & Moore, Lubricant purifier, filed Mar. 21, 1949, D. C., S. D. Calif., C. Div., Doc. 9400–B, *Winslow Engineering Co.* v. *Rol-pak Co.* Same, D. C., N. D. Calif., S. Div., Doc. 27697–R, *Winslow Engineering Co.* v. *Rol-pak Service Co.* Stipulation of dismissal Mar. 18, 1949.

2,438,668, Geiger & Beck, Process for producing phenothiazine, filed Dec. 30, 1948, D. C., W. D. Pa., Doc. 7575, *The Neville Co.* v. *Atomic Basic Chemicals Corp. et al.*

2,436,054, L. Pinkus, Shoulder pad, filed Apr. 14, 1949, D. C., S. D. N. Y., Doc. 49/706, *Certified Shoulder Pad Co., Inc.* v. *E. E. Thread Co., Inc.*

2,450,631, E. Buchler, Garment, filed Apr. 5, 1949, D. C., S. D. N. Y., Doc. 49/612, *Arkay Infants Wear, Inc.* v. *Miller Art Mfg. Co.*

2,453,599, K. Schlegel, Dough-preparing device for lattice-work pie crusts, filed Apr. 8, 1940, D. C., S. D. N. Y., Doc. 40/665, *Bake Products Co.* v. *Edgewater Machine Co., Inc., et al.*

2,458,970, J. C. Wilson, Mystery toy or puzzle, filed Apr. 14, 1949, D. C., S. D. N. Y., Doc. 49/708, *Wilson Mfg. Co.* v. *Elaine Novelty Co. et al.*

Re. 21,053, A. T. Matthews, Awning, filed Apr. 5, 1949, D. C., N. D. Ill., E. Div., Doc. 49c600, *The National Ventilated Awning Co.* v. *B. Glickman et al.*

Des. 104,405, D. Rheinauer, Knitted two-piece dress, D. C., S. D. N. Y., Doc. 87/349, *New York Knitting Mills, Inc.* v. *Bermuda Knitwear Corp. et al.* Consent decree favor plaintiff, sustaining patent, adjudging infringement and granting injunction May 26, 1949. Order dismissing cause for lack of prosecution Jan. 21, 1941.

Des. 132,997, H. E. Pease, Game board, D. C., N. D. Ill., E. Div., Doc. 45c2040, *The Capex Co.* v. *Lee Industries.* Cause dismissed with prejudice Apr. 7, 1949.

Des. 142,332, A. Di Chiara, Frame for spectacle, D. C., S. D. N. Y., Doc. 44/335, *Liberty Optical Mfg. Co. et al.* v. *Visionette Optical Co., Inc.* Stipulation and order of discontinuance without prejudice Apr. 5, 1949.

Des. 150,682, H. J. Duester, Extensible band for watch bracelet, D. C., N. D. Ill., E. Div., Doc. 48c1278, *J. Major Co. et al.* v. *Steelcraft Co. et al.* Dismissed without prejudice Mar. 25, 1949. Same, Doc. 48c1327, *John Major et al.* v. *L. H. Knibb et al.* Judgment dismissing complaint Mar. 3, 1949.

Des. 152,927, K. Stern, Zipper repair tool, filed Mar. 25, 1940, D. C., N. D. Ill., E. Div., Doc. 49c531, *Glenbard Tool Mfrs., Inc.* v. *Mars Tool Co.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 129,217, Schoenhofen Co., Non-alcoholic, non-cereal, maltless beverage, filed Mar. 23, 1949, D. C., N. D. Ill., E. Div., Doc. 49c495, *Green River Corp.* v. *T. H. Shirley.* Doc. 49c496, *Green River Corp.* v. *Stangle Drugs.* Doc. 49c497, *Green River Corp.* v. *Rose Bowl Ice Cream Shop.* Doc. 49c498, *Green River Corp.* v. *Buffalo Confectionery et al.* Doc. 49c499, *Green River Corp.* v. *Bowling Green Drugs, Inc.* Doc. 49c500, *Green River Corp.* v. *Brown's Pharmacy.* Doc. 49c501, *Green River Corp.* v. *Lieberman's Pharmacy, Inc.*

T. M. 428,032, L. K. Schoenfeld, Upholstered furniture, D. C., W. D. Wash. (Seattle), Doc. 1597, *Sleepmaster Products Co., Inc.* v. *Schoenfeld et al.* Consent judgment enjoining defendants and dismissing counterclaim Feb. 18, 1949.

NOTICES

Notice of Tentative Recordation of Trade Name

[T. D. 52206]

Tentative recordation of trade name under section 48, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS,
Washington, D. C., Apr. 27, 1949

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade name under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"L. & C. HARDTMUTH," owned by L. & C. Hardtmuth, Inc., Bloomsbury, New Jersey, applied to paper and stationery, including items such as pencils of all kinds, refills, point protectors, letter openers, crayons, rubber bands, rubber erasers, pen holders, tracing cloth and similar products manufactured in Bloomsbury, New Jersey.

The recordation of the foregoing trade name shall become final at the expiration of 30 days after May 31, 1949. Any person who desires to file an opposition to the recordation of this trade name shall file it with the Commissioner of Customs prior to the expiration of such 30-day period.

Until the expiration of the above-mentioned 30-day period any articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless notice of the cancellation of the recordation is sooner received.

(Signed) W. R. JOHNSON,
Acting Commissioner of Customs.

Changes in The Roster of Attorneys And Agents

Notice is hereby given of certain changes to be made in the Roster of Attorneys and Agents Registered to Practice Before the U. S. Patent Office, published as of January 1, 1949, to correct its contents as of that date. Notices of change not of record in the Patent Office as of that date are not included.

Page 2—Change spelling of "Schantlebury, Harold Ellis," to read *Scantlebury, Harold Ellis.*

Change address of "Atkinson, William Henry," to read *1304–6 Humboldt Bldg., 785 Market St., San Francisco 3, Calif.*

Page 3—Insert *Smith, Samuel Burrows, 24 California St., San Francisco 11, Calif.*

Page 10—Insert *Belsbrook, Watts T., 1053 National Press Bldg., Washington, D. C.*

Insert *Belsbrook, William T., 1053 National Press Bldg., Washington, D. C.*

Page 20—Change address of "Lockwood, Robert R.," to read *899 South La Salle St., Chicago 4, Ill.*

Page 21—Insert *Russell, Wayne Morris, 11001 Cottage Grove Ave., Chicago 28, Ill.*

Page 26—Change address of "Hildreth, Richard R.," to read *24 School St., Boston 8, Mass.*

Page 27—Change address of "Jenney, Melvin R.," to read *24 School St., Boston 8, Mass.*

Change address of "Kenway, Herbert P.," to read *24 School St., Boston 8, Mass.*

Change address of "Kenway, Herbert Winthrop," to read *24 School St., Boston 8, Mass.*

Page 28—Change address of "Witter, Lawrie L.," to read *24 School St., Boston 8, Mass.*

Page 30—Change spelling of "Lits, Karl B.," to read *Lutz, Karl B.*

Page 36—Insert *Smolka, Peter H., P. O. Box 243, Elizabeth B, N. J.*

Page 47—Insert *Shinn, John Edward, Kenyon & Kenyon, 155 Broadway, New York 6, N. Y.*

Delete "Smith, Samuel Borrows, 30 Rockefeller Plaza RCA, New York 20, N. Y."

Page 49—Change spelling of "Crumpston, Edward Henry," to read *Cumpston, Edward Henry.*

Page 68—Insert *Huebner, Beehler, Worrell, Herzig & Caldwell, Briz Bldg., Fresno, Calif.*

Insert *Brown, Jackson, Boettcher, Dienner, Washington Loan & Trust Bldg., Washington, D. C.*

Page 69—Insert *Hills, Charles W., 919 Woodward Bldg., Washington, D. C.*

Insert *Howson & Howson, 922 Woodward Bldg., Washington 5, D. C.*

Insert *Pennie, Edmonds, Morton & Barrows, National Press Bldg., Washington, D. C.*

Insert *Robb & Robb, 527 Woodward Bldg., Washington 5, D. C.*

Insert *Spencer, Hardman & Fehr, National Press Bldg., Washington, D. C.*

Insert *Whittemore, Hulbert & Belknap, National Press Bldg., Washington, D. C.*

Page 70—Insert *Langner, Parry, Card & Langner, 1528 Monadnock Bldg., Chicago, Ill.*

Insert *Moore, Olson & Trexler, 131 So. La Salle St., Chicago, Ill.*

Insert *Singer, Ehlert, Stern & Carlberg, 28 E. Jackson Blvd., Chicago, Ill.*

Insert *Stevens, Milo B. & Co., 190 No. La Salle St., Chicago, Ill.*

Insert *Wilson & McConna, 303 North Main St., Rockford, Ill.*

Insert *Dike, Calver & Gray, 2563 Union Guardian Bldg., Detroit Mich.*

Insert *Beaman & Patch, Reynolds Bldg., Jackson, Mich.*

Page 71—Insert *Dorsey, Cole & Garner, 405 Lexington Ave., New York, N. Y.*

Insert *Langner, Parry, Card & Langner, 120 East 41st St., New York, N. Y.*

Page 72—Insert *Singer, Ehlert, Stern & Carlberg, Chrysler Bldg., New York, N. Y.*

Insert *Ely & Frye, 919 Nat'l City Bank Bldg., Cleveland 14, Ohio.*

Insert *Oldham & Oldham, 1621 NBC Bldg., Cleveland 14, Ohio.*

Page 73—Insert *Howson & Howson, 2342 Fidelity-Phila. Trust Bldg., Philadelphia, Pa.*

Delete "Stebbins & Webb, Farmers Bank Bldg., Pittsburgh 30, Pa."

Insert *Bley and Worischek, P. O. Box 308, Elizabethton, Tenn.*

Insert *Featherstonhaugh & Co., Victoria Bldg., Ottawa, Ontario, Canada, or 789 W. Pender Street, Vancouver, British Columbia, Canada, or C. P. R. Bldg., Winnipeg, Manitoba, Canada, or 359 Bay St., Toronto, Ontario, Canada, or Canada Cement Bldg., Montreal, Quebec, Canada.*

Copies of the Roster of Attorneys and Agents Registered to Practice Before the U. S. Patent Office, as of January 1, 1949, may be obtained from the Patent Office at $1.00 each. Patent Office coupons are acceptable in payment for this publication.

Adjudicated Patent

(D. C. Ohio) Travis Patent No. 1,432,499, for a bed-spring-border brace, *Held* valid and infringed. *Simmons Co. v. Champion Spring Co.*, 82 F. Supp. 910.

Classification Bulletins

The Classification Bulletins listed below are now available. The definitions contained in these bulletins have been revised to include all changes through Classification Order Number 50 of March 29, 1949. Copies of these publications may be procured from the Commissioner of Patents at the prices indicated below.

Bulletin No.	Content	Price
144	Class 3—Artificial Body Members	10¢
145	Class 4—Baths, Closets, Sinks, and Spittoons	15¢
147	Class 7—Compound Tools	10¢
149	Class 10—Bolt, Nail, Nut, Rivet, and Screw Making	15¢
150	Class 12—Boot and Shoe Making	15¢
151	Class 16—Miscellaneous Hardware	15¢
152	Class 18—Plastics	15¢
153	Class 20—Wooden Buildings	10¢
154	Class 22—Metal Founding	20¢
155	Class 24—Buckles, Buttons, Clasps, Etc.	20¢
156	Class 25—Plastic Block and Earthenware Apparatus	10¢
157	Class 28—Textiles	10¢
160	Class 36—Boots, Shoes, and Leggings	10¢
162	Class 48—Gas, Heating and Illuminating	15¢
163	Class 49—Glass	10¢
165	Class 59—Chain, Staple, and Horseshoe Making	10¢

Cancellation Notices

Verne H. Carter, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Grace Bros. Brewing Co., Second and Wilson Sts., Santa Rosa, Calif., to effect the cancellation of trade-mark registration of Verne H. Carter, 3094 San Pablo Ave., Emeryville, Calif., No. 317,850, dated October 9, 1934, and the notice of such proceeding sent by registered mail to the said Verne H. Carter at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Verne H. Carter, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

April 28, 1949.

Nathan Manis, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Perfect Negligee Co., 16 East 34th St., New York, N. Y., to effect the cancellation of trade-mark registration of Nathan Manis, c/o Marna Undergarment Co., 37 East 28th St., New York 16, N. Y., No. 502,764, dated October 5, 1948, and the notice of such proceeding sent by registered mail to the said Manis at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Nathan Manis, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

May 9, 1949.

Abandonment of Trade-Mark

TREASURY DEPARTMENT
BUREAU OF CUSTOMS, *Washington, D. C.*

To All Collectors of Customs and Appraisers of Merchandise:

The Bureau has received a letter from Peck & Peck, a corporation of New York, 581–583 Fifth Avenue, New York 17, N. Y., stating that it no longer has any interest in the trade-mark "Pour Le Sport," No. 227,292, registered May 3, 1927, under the Trade-Mark Act of 1905 for perfume in Class 6, and requesting that the trade-mark be cancelled on the records of this Department. This trade-mark was recorded in the Treasury Department and at the port of New York, N. Y., on October 24, 1927, and the mark was listed on page 8 of Bureau Circular Letter 1792 of December 30, 1937.

In view of the abandonment of the above-mentioned trade-mark, appropriate notations shall be made on the records of your office and all customs offices in your district showing the abandonment of the mark and the cancellation of its recordation. This action also should be noted on all copies of CIE 240/47, dated May 12, 1947, containing a list of recorded trade-marks applied to perfumery and analogous products.

(Signed) W. R. JOHNSON,
Acting Commissioner of Customs.

April 26, 1949.

Interference Notices

Weldon M. Ward, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Portis Style Industries, Inc., 320 West Ohio St., Chicago, Ill., for registration of a trade-mark and Registration No. 265,034, issued December 10, 1929, to Weldon M. Ward, 18 East 27th St., New York, N. Y., and the notice of such declaration sent by registered mail to the said Ward at the said address having been returned by the post office undeliverable, notice is hereby given that unless Weldon M. Ward, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

May 9, 1949.

Levy, Forman & Co., Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Powell & Campbell, Inc., 122 Duane St., New York, N. Y., for registration of a trade-mark and Registration No. 286,758, issued September 1, 1931, to Levy, Forman & Co., Inc., 710 Broadway, New York, N. Y. The assignment records of this Office show a transfer of title to this registration to Robert J. Levy, c/o Maurice Schwartz & Co., 1450 Broadway, New York, N. Y., who has been substituted for said Levy, Forman & Co., Inc. to defend the registration concerned. The notice of such declaration sent by registered mail to the said Robert J. Levy, at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Robert J. Levy, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

April 29, 1949.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Distillation Products, Inc., offers the following 16 patents for non-exclusive, unrestricted license on reasonable terms. Inquiries concerning the patents should be addressed to Distillation Products, Inc., 755 Ridge Road West, Rochester, N. Y.

Pat. 1,955,321. VACUUM DISTILLATION. Patented Apr. 17, 1934. Liquid organic materials normally subject to thermal decomposition are distilled under vacuum and condensed within a distance approximating the mean free path of the distillate molecules. Groups 29—11; 35—59. Reg. No. 19,516.

Pat. 2,047,196. REFINING OF CRUDE FATS AND FATTY OILS. Patented July 14, 1936. Refining crude fats and fatty oils by breaking the fat or oil es by treatment with alkali or acid, separating impurities, and thereafter subjecting the broken fat or oil to short-path distillation under high vacuum conditions. Group 28—22. Reg. No. 19,516.

Pat. 2,065,728. PROCESS FOR REMOVING LOW MOLECULAR GLYCERIDES FROM POLYMERIZED OILS BY DISTILLATION. Patented Dec. 29, 1936. Improved drying oil produced by polymerizing a raw oil and subjecting the polymerized oil to evaporative distillation under high vacuum conditions to remove undesirable constituents such as unpolymerized materials. Group 28—22. Reg. No. 19,517.

Pat. 2,073,202. VACUUM DISTILLATION. Patented Mar. 9, 1937. Multiple-distillation apparatus having a plurality of distillation units housed in a common vacuum chamber together with pumps and conduits for circulating and re-cycling distillates and residues in specified manners. Group 35—59. Reg. No. 19,518.

Pat. 2,073,327. HIGH VACUUM DISTILLATION AND APPARATUS THEREFOR. Patented Mar. 9, 1937. Solid materials and substances giving rise to non-flowing distillates or residues are distilled under short-path high-vacuum conditions by feeding the material to be distilled in the form of a thin layer on a moving belt heated to the required temperature and collecting condensate on a second moving belt disposed in parallel spaced relation to the first belt and being cooled to the requisite temperature, residues and condensates being separately collected from the two belts. Group 35—59. Reg. No. 19,519.

Pat. 2,078,788. DIFFUSION VACUUM PUMP. Patented Apr. 27, 1937. Single jet diffusion vacuum pump having a condenser unit projecting downwardly into the space between the jet assembly and the outer casing of the pump. Group 35—59—61. Reg. No. 19,520.

Pat. 2,096,578. PROCESS OF PRODUCING ROTENONE AND ASSOCIATED SUBSTANCES FROM NATURAL SOURCES CONTAINING THE SAME. Patented Oct. 19, 1937. Rotenone insecticide prepared by subjecting a natural rotenone-containing material such as the roots of derris and cube to short-path distillation under high vacuum. Group 28—33. Reg. No. 19,521.

Pat. 2,109,129. APPARATUS FOR HIGH VACUUM DISTILLATIONS. Patented Feb. 22, 1938. High vacuum distillation apparatus having a hot evaporating surface and a cool condensing surface arranged within a vacuum chamber together with means for scraping at least one of the surfaces to remove materials therefrom. Group 35—59. Reg. No. 19,522.

Pat. 2,111,992. LINOLEUM CEMENT AND THE METHOD OF PREPARING THE SAME. Patented Mar. 22, 1938. Improved linoleum cement prepared by bodying a fatty oil having drying characteristics, subjecting the bodied oil to short-path distillation under high vacuum to remove undesirable components and thereafter oxidizing the oil to a desired consistency. Groups 22—63, 29—32. Reg. No. 19,523.

Pat. 2,128,223. FRACTIONAL SHORT-PATH DISTILLATION. Patented Aug. 30, 1938. Fractional short-path distillation by means of a specified circulation of residues and condensates in a system comprising several short-path high vacuum stills which may if desired be disposed within a single vacuum chamber. Group 35—59. Reg. No. 19,524.

Pat. 2,128,354. DRYING OIL. Patented Aug. 30, 1938. Improved drying oil prepared from fish oils by polymerizing the fish oil and subjecting the polymerized oil to evaporative distillation under high vacuum to remove unpolymerized and unpolymerizable materials. Group 28—25. Reg. No. 19,525.

Pat. 2,129,596. TREATMENT OF SOLIDS. Patented Sept. 6, 1938. Solid substances are distilled by admixing the solid substance with a medium to form a fluid and subjecting the fluid to evaporative distillation under high vacuum. Group 28—25. Reg. No. 19,626.

Pat. 2,137,553. APPARATUS FOR HIGH VACUUM DISTILLATION. Patented Nov. 22, 1938. A series of upstanding plates arranged in parallel spaced relation, alternate plates being heated and cooled, provide evaporating and condensing surfaces in a short-path high vacuum still. Group 35—59. Reg. No. 19,527.

Pat. 2,143,587. TREATMENT OF VITAMIN-CONTAINING OILS AND PRODUCTS OBTAINED THEREFROM. Patented Jan. 10, 1939. Securing from raw fish oils a concentrated vitamin preparation substantially free of objectionable taste and odor by subjecting the oil to evaporative distillation under high vacuum conditions and hydrogenating the resulting distillate. Group 28—26—31. Reg. No. 19,528.

Pat. 2,144,906. FLAVORING MATTERS AND THEIR APPLICATION. Patented Jan. 24, 1939. Concentrate of essential flavors and vitamins contained in butter is prepared by subjecting water-free butter fat to evaporative short-path distillation under high vacuum. Group 20—95; 28—31. Reg. No. 19,529.

Pat. 2,186,669. APPARATUS FOR HIGH-VACUUM DISTILLATION. Patented Jan. 9, 1940. In a short-path high vacuum still of the vertical surface or falling-film type, the distilling surface is grooved in such a way as to alter the course of the downwardly flowing film at intervals and thereby to expose fresh material. Group 35—59. Reg. No. 19,530.

Pat. 2,454,445. WEDGE ACTUATOR ATTACHMENT FOR JOURNAL BOXES. Patented Nov. 23, 1948. An adjusting device for journal boxes in which a wedge-like face plate can be adjusted by inserting a ratchet wrench between the spokes of the engine wheel. Arms of a U-shaped bracket are bolted beneath the locomotive frame and against the binder block, and an inner U-shaped plate is secured against the arms of the bracket. A worm wheel between the two plates has a square opening to receive the squared lower end of a wedge bolt on inner plate. An actuating block supported by the inner plate forms a top for compartment within which the worm wheel works. When the worm shaft is turned, the wheel is actuated along with the wedge bolt by the sliding engagement of the bolt in the worm wheel. (Owner) Jesse L. Gosnell, 222 Blake St., St. Joseph, Mo. Group 37—11. Reg. No. 19,531.

Pat. 2,453,800. KNIFE RACK. Patented Nov. 16, 1948. Lower portion of a back panel (attached to wall) and upper edge of a front panel are chamfered where they overlap to allow knives to be inserted downward. Knife blades are protected behind front panel, and handles are supported by a horisontal cleat on back panel. Various ledges for holding pencil, match box, etc., and several hooks on lower edge for suspending utensils make this a useful item in a kitchen. It may be manufactured from wood, plastic, or other inexpensive material. (Owner) George H. Lowell, Jr., R. F. D. 1, South Portland, Maine. Groups 25—99; 30—81; 40. Reg. No. 19,532.

Pat. 2,448,554. ULTRA HIGH FREQUENCY TUNING UNIT. Patented Sept. 7, 1948. (Granted under the act of March, 1883, as amended April 30, 1928; 370 O. G. 757.) A radio frequency tuning unit in which the inductance and capacity are simultaneously varied by a single tuning operation. A hollow cylindrical stator is formed with axial slots to provide inductive loops. A hollow cylindrical rotor mounted in the stator is slotted to provide a pair of capacitor plates and is radially spaced from the stator means to provide capacitance therebetween. Inductive-capacitive tuning is produced by a single rotative adjustment of the rotor with respect to the stator. (Owner) Nicholas T. Simopoulos, 832 Neal Ave., Dayton 6, Ohio. Group 36—61. Reg. No. 19,533.

Pat. 2,456,213. DIESEL ENGINE AIR METER. Patented Dec. 14, 1948. Mixing and metering mechanism will admit a mixture of exhaust gases and air into engine cylinders in varying proportions depending upon engine speed. The proportion of exhaust gases in the mixture will vary from maximum at idling engine speed to minimum when engine is under full load to obtain efficient operation of engine. A pressure regulator maintains the exhaust gases at fairly constant pressure within a pressure chamber by opening a valve to admit exhaust gases from engine into the chamber through a heat exchanger coil when pressure in the chamber drops. A fly-ball governor controls actuation of a valve to admit a variable amount of exhaust gases from the pressure chamber into the mixing chamber. When desired, carbon dioxide stored in a tank associated with the mechanism may be mixed with the air instead of the exhaust gases. (Owner) Stanley Pelc, 1142 Emerson Ave., Farrell, Pa. Group 35—12—19. Reg. No. 19,534.

Pat. 2,294,991. COMBINATION RAZOR STROP HOLDER AND HEATER. Patented Sept. 8, 1942. Reg. No. 19,535.

Pat. 2,453,519. COMBINATION RAZORSTROP HOLDER AND HEATER. Patented Nov. 9, 1948. Reg. No. 19,536.

These two patents describe an elongated hollow holder for a flexible razor strop which incorporates a coil to heat the strop prior to use. The inner end of the strop is swiveled to a spring-actuated winding spool. This enables the strop to be drawn out and reversed as required and to be automatically returned within the holder when released. In Pat. 2,453,519 the holder is vertically mounted and includes a roller within an offset nose portion. The strop is caused to pass angularly over the roller to maintain it in flat condition and prevent it from curving transversely to insure proper contact by razor. (Owner) William V. Kommer, Catawissa, Mo. Groups 31—09; 35—41.

Pat. 2,451,574. CHIP GUARD. Patented Oct. 19, 1948. A guard for lathes and similar machines to protect the operator from flying chips. A concavo-convex disk has a rectangular slot at center. A stem is pivoted to the convex side of disk for insertion into the toolpost of a lathe adjacent the cutting tool which extends through the slot. Modifications are given. (Owner) John Paraschuk, 211 East 104 St., New York, N. Y. Group 35—43. Reg No. 19,537.

Pat. 2,454,455. TELESCOPING CIGARETTE CASE. Patented Nov. 23, 1948. A rectangular case, having container and cover portions telescopingly and frictionally engaging each other, is adjustable to two lengths for holding a standard or a longer package of cigarettes. Around the open edge of each portion are spaced-apart abutments offset to inter-fit when the two portions are in telescoping position. To contain a longer package, one portion is turned 180° so that the abutments (arranged alternately on opposite sides of each portion) telescope in end-to-end rather than inter-fitting position. An extension is provided to cover the open spaces formed when the case is thus extended. (Owner) James W. Irwin, Apt. 104, 3031 Sedgwick St., N. W., Washington 8, D. C. Groups 31—72; 34—51; 39—72—81. Reg. No. 19,538.

Pat. 2,456,285. CONCRETE, FEED, AND FERTILIZER MIXER. Patented Dec. 14, 1948. A mixing device for concrete, feed, or fertiliser. A shaft at top of frame can be rotated or tilted and retained in position by a link and notched handle. A supporting block mounted on the shaft has a rotatable shaft extending therethrough supporting the mixer on one end and a counterweight on opposite end. A fixed member secured to shaft at top of frame supports a pair of arms which rotate with the frame and which are attached to a pulley attached to the mixer and to an electric motor. The parts, including the motor, will be rotated or tilted as the mixer is tilted to the discharge or raised position. (Owner) John S. Kamper, Moscow Road, Demopolis, Ala. Group 35—22—31—51. Reg. No. 19,539.

Pat. 2,456,836. BOX BLANK SEPARATOR. Patented Dec. 7, 1948. A rotary separator for box blanks having window openings, for use in box-making machines. Separator has anti-frictional rollers to project through window openings and shift the outermost blank from a stack of blanks on a rack onto a conveyor. A disk is mounted on a drive shaft adjacent the edge of the rack. A pair of spaced rocker arms pivoted to the disk are held in position by springs. The arms extend outwardly beyond the disk and support rollers, which are consecutively brought into contact with the blanks. Rollers have rolling friction only with the immediately succeeding and underlying blank while more forcefully engaging and shifting the outermost blank. (Owner) Marinus Van Brummelen, 1234 Washington Ave., Bronx, N. Y. Group 35—54. Reg. No. 19,540.

Pat. 2,453,941. TRAILER HITCH. Patented Nov. 16, 1948. A hitch for attaching trailer to a tractor vehicle whereby the weight of the trailer is evenly distributed in order to minimize overloading the rear part of tractor. The hitch functions semi-automatically to fasten a trailer to or release it from a tractor by backing the tractor toward or moving it away from the trailer. A combination of parts automatically control the course of trailer when making turns or passing over rough roads. Resilient shock absorption means are adjusted to accommodate various loads carried in trailer. (Owner) Andrew Smit, 9933 South Menard Ave., Oaklawn, Ill. Group 38—11—41. Reg. No. 19,541.

Pat. 2,458,642. AUTO TIRE CHAIN RING. Patented Jan. 11, 1949. A non-skid tire chain easily mounted without the use of a jack. Spring-wire rings to encircle outer and inner sides of tire are connected by spaced cross chains. The outer ring has a turnbuckle for adjusting its diameter. The split inner ring has a sleeve and spring latch on one end to engage a recess in the opposite end. The cross chains are attached to the rings by clevises having eyes freely mounted on the rings to allow easy motion. With the outer ring properly adjusted, the inner ring is slightly sprung to pass over the tire, and it then springs back to position, the ends being guided to snap into locking engagement. (Co-owner) Charles H. Reynolds, Donora, Pa. Groups 33—49; 38—31. Reg. No. 19,542.

Pat. 2,460,770. ARTILLERY WAR GAME. Patented Feb. 1, 1949. Shallow box-like form has a model artillery piece at each end, a group of small electric light bulbs (constituting targets) inside each end protruding through top panel, and a combined rotary switch plate and a movable switch arm for opposing players. A shielded knob at each end of device is mounted on top of a vertical shaft, and each shaft is connected by an endless band to the shaft of a switch plate. When playing game, either player may spoil his opponent's aim by turning his shielded knob in either direction to turn opponent's switch plate. The lights have varying game value. To add realism to game, the artillery pieces may be constructed to emit a report. (Owner) Charles Harold Shirey, 757 Forest Road, Ruthfred Acres, R. F. D. 2, Bridgeville, Pa. Group 39—41. Reg. No. 19,543.

Pat. 2,113,879. LIFTING APPARATUS. Patented Apr. 12, 1938. Wheeled device for lifting and transporting automobiles and parts may be used inside garages, workshops, etc., and quickly converted into a trailer for road service. The inner end of an adjustable jib of the device may be pivotally connected at different elevations to a channeled upright so that jib will function as a jack when positioned near the bottom and as a crane when positioned near the top. After jib has been secured to upright, the inner end of a mechanical jacking device carried by a rotatable transverse block in the jib is adjustably secured to the upright. A crank is used to rotate a worm of jacking device to pivotally raise and lower jib after it has been secured to upright. The device has four small rollers for moving it about an enclosure, and an axle for receiving a pair of road wheels to convert it into a trailer. Inventor states he has a hydraulically equipped working model available. (Owner) Camille Delalandre, 7, Av. Léon-Bourgeois, Suresnes (Seine), France. Groups 33—52; 35—69. Reg. No. 19,544.

Pat. 2,447,947. VARIABLE UNION. Patented Aug. 24, 1948. Pipe union has angled abutting faces so that it may be used as a straight union or as a 45° angle union. It consists of a pair of heads to be threaded on the ends of pipes, and a removable interiorly threaded clamping nut to draw the heads together. When installed, the interior abutting edges of the heads provide a smooth uninterrupted surface so as not to restrict flow of fluid through union. (Owners) George K. Larson and August Larson, Box 143, Smethport, Pa. Groups 33—61; 35—69. Reg. No. 19,545.

Pat. 2,459,992. SLEEVELET PURSE. Patented Jan. 25, 1949. A sleevelet, made of material matching or contrasting with dress or suit, is worn over the forearm and contains various zipper-closed pockets to hold pen, key, coin, card, cosmetics, handkerchief, etc. Shaped to fit forearm, with a closed band around larger end, a zipper side-closing, and a suitable fastener at smaller end to fit comfortably around wrist. (Owner) Thomas D. Cimino, 1633 Third Ave., New Kensington, Pa. Groups 23—31—33—39; 31—72; 40. Reg. No. 19,546.

Des. Pat. 152,386. DESIGN FOR A COMBINED KEY RETAINER, FLASHLIGHT, AND LIGHTER. Patented Jan. 11, 1949. (Owner) Robert Zelenka, 2212 West 50th St., Chicago, Ill. Groups 34—51—81; 39—09; 40. Reg. No. 19,547.

United States Government Owned Patent

The following patent is owned by the United States as represented by the Secretary of the Interior by virtue of assignment from the inventor, George J. Vahrenkamp. Non-exclusive and royalty-free licenses will be granted. Applications for licenses should be addressed to: Solicitor, Department of the Interior, Washington 25, D. C.

Pat. 2,459,203. PRODUCTION OF SHAPED ARTICLES FROM FLUORITE. Patented Jan. 18, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Shaped articles suitable for metallurgical and other purposes may be formed from finely divided fluorite (normally unsuitable for many uses) by employing bentonite as a bonding agent. Basically, a stiff paste is made from finely divided fluorite, bentonite, and water molded into pellets, cubes, etc., and calcined at a temperature preferably ranging from 800° to 1200° C. When cooled, the resulting product is extremely hard and abrasive-resistant. Group 28—34. Reg. No. 19,548.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 24, 1949

[VOL. 622. No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 2

RECEPTACLES

Ser. No. 498,040. EARL S. TUPPER, doing business as Tupper Plastics, Farnumsville, Mass., assignor to Tupper Plastics, Inc., Farnumsville, Mass., a corporation of Delaware. Filed Mar. 11, 1946.

Poly-T

FOR MOLDED PLASTIC WATER TUMBLERS.
Claims use since Dec. 26, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 504,870. UNITED STATES PLYWOOD CORPORATION, New York, N. Y. Filed June 29, 1946.

TRUWOOD

FOR LAMINATED MATERIAL COMPRISING PLASTICS AND WOOD IN THE FORM OF SHEETS AND PANELS FOR BUILDING AND CONSTRUCTION PURPOSES.
Claims use since July 23, 1936.

Ser. No. 506,607. MERIDIAN PLASTICS INC., Byesville, Ohio, Filed July 31, 1946.

MERIDIAN PLASTICS

The word "Plastics" is disclaimed apart from the mark.
FOR PLASTIC SHEET LAMINATES FOR WALLBOARD, WALL COVERING, AND TABLE TOPS.
Claims use since Feb. 28, 1946.

622 O. G.—62

Ser. No. 524,522. LOUIS M. CASTOR, doing business as Cast-Crete Products, San Angelo, Tex. Filed June 20, 1947.

CAST-CRETE

The word "Cast" is disclaimed apart from the mark.
FOR CONCRETE PRODUCTS—NAMELY, WATER AND SALT TROUGHS, WATER TANKS, AND DRAIN TILE.
Claims use since May 13, 1933.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 478,190. RUDMAN & SCOFIELD, INC., New York, N. Y. Filed Jan. 3, 1945.

RUDSCO

Applicant is the owner of Registration No. 191,976.
FOR SINKS, COFFEE URNS, COFFEE BOILERS, HOT WATER URNS, SLOP SINKS, FUNNELS, INSET PANS FOR STEAM TABLES, AND BASE-METAL CHOCOLATE POTS FOR HOLDING CHOCOLATE.
Claims use since 1931.

Ser. No. 511,908. PETER A. SPANOS, doing business as Span-O-San Manufacturing Co., San Francisco, Calif. Filed Nov. 1, 1946.

SPAN-O-SAN

FOR GREASE TRAPPING AND FILTERING DEVICES, USED IN CONJUNCTION WITH COOKING STOVES, EACH DEVICE CONSISTING OF AN INVERTED WIRE-MESH CONE BELOW WHICH A CAN IS SUSPENDED AND THAT, WHEN THE DEVICE IS HUNG BELOW THE VENT OPENING IN THE CANOPY OF A RESTAURANT KITCHEN, IT IS DESIGNED TO PREVENT THE GREASE AND HOT COOKING VAPORS FROM PASSING INTO THE FLUE.
Claims use since Sept. 3, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 525,000. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa. Filed June 27, 1947.

IRALITE

FOR ROUGH PEARLITIC ALLOY CAST IRON FOUNDRY PRODUCTS SHAPED TO BE FINISHED AS MACHINE PARTS—NAMELY, AS GLASS FORMING MOLDS AND THE PLUNGERS, NECKS, AND RINGS ASSOCIATED WITH SUCH MOLDS IN GLASS MOLDING MACHINES; AS BRICK FORMING MOLDS AND THE PLUNGERS, NECKS, AND RINGS ASSOCIATED WITH SUCH MOLDS IN BRICK MOLDING MACHINES; AS ROLLS AND TABLES FOR GLASS WORKING; AS ROLLS AND TABLES FOR RUBBER WORKING; AS CHUTES FOR SMALL ARTICLES AND DIVIDED MATERIALS; AS TUYÈRE JACKETS; AS PIG MACHINE MOLDS; AS GEAR HOUSINGS; AS GEAR RACKS; AS CRUSHER JAWS; AS BRAKE DRUMS; AS FLUID AND HYDRAULIC PRESSURE CYLINDERS; AS PISTON RINGS FOR FLUID AND HYDRAULIC PRESSURE CYLINDERS; AS CHAIN CONVEYER LINKS AND ROLLERS; AND AS GRINDING BALLS.
Claims use since Jan. 30, 1932.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 497,656. THE H. B. DAVIS COMPANY, Baltimore, Md. Filed Mar. 5, 1946.

COLORAMA PERMANENT TRIM COLORS

No claim is made to the words "Permanent Trim Colors" apart from the mark.
FOR PAINTS (READY MIXED AND LIQUID, PASTE FORM, AND DRY) PAINT ENAMELS, JAPANS, VARNISHES, AND WOOD FILLERS.
Claims use since Dec. 1, 1945.

Reg. No. 501,502. THE DI-NOC COMPANY, Cleveland, Ohio. Filed May 6, 1946.

DI-NOC

FOR SURFACE COATING AND FINISHING MATERIALS—NAMELY, LACQUERS AND SOLUTIONS IN THE NATURE OF LACQUER SOLVENTS FOR THE MOUNTING OF TRANSFERS.
Claims use since Apr. 1, 1923, on lacquers; and since about November 1930, on solutions in the nature of lacquer solvents for the mounting of transfers.

Ser. No. 525,288. EDWARD F. BETZ, doing business as The Safon Company, Seattle, Wash. Filed July 1, 1947.

Säfon

FOR READY-MIXED FINISH CONTAINING HYDROCARBON SOLVENT AND CELLULOSE RESIN, APPLIED IN LIQUID FORM IN THE SAME MANNER AS VARNISH TO PRODUCE, WHEN DRY, A HARD AND DURABLE COATING FOR FLOORS AND LINOLEUM.
Claims use since May 22, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 525,544. CENTURY PRECISION WORKS, INC., New York, N. Y. Filed July 2, 1947.

CENTURY De Luxe

The word "De Luxe" is disclaimed.
FOR ELECTRIC IRONS.
Claims use since Mar. 30, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 521,002. DRILO CORPORATION, Pittsburgh, Pa. Filed Apr. 19, 1947.

DRIL-O-Driver

The suffix "-Driver" is disclaimed apart from the prefix "Dril-O-" in the mark "Dril-O-Driver" shown.
FOR SPEED REDUCING ATTACHMENT FOR POWER-DRIVEN HAND TOOLS.
Claims use since Jan. 6, 1947.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 511,778. JESSIE ROBINSON WALKER, Los Angeles, Calif. Filed Oct. 30, 1946.

Candlier

FOR DECORATIVE SLEEVE-LIKE CANDLE ORNAMENT, MADE OF CHINAWARE, CROCKERY, OR EARTHENWARE, ADAPTED TO ENGAGE AND SURROUND THE BODY OF THE CANDLE.
Claims use since Sept. 20, 1946.

Ser. No. 511,779. JESSIE ROBINSON WALKER, Los Angeles, Calif. Filed Oct. 30, 1946.

Larlancy Ware

The word "Ware" is disclaimed apart from the mark.
FOR DECORATIVE SLEEVE-LIKE CANDLE ORNAMENT, MADE OF CHINAWARE, CROCKERY OR EARTHENWARE, ADAPTED TO ENGAGE AND SURROUND THE BODY OF THE CANDLE.
Claims use since Sept. 20, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 517,234. THE BEVCO COMPANY, St. Louis, Mo. Filed Feb. 10, 1947.

BEV-KOLD

No claim is made to the word "Kold" apart from the mark as shown.
FOR REFRIGERATED DISPLAY CABINETS, FROZEN FOOD CABINETS, AND REFRIGERATED STORAGE LOCKERS.
Claims use since March 1941.

CLASS 39

CLOTHING

Ser. No. 476,700. RUBIN-FELD, New York, N. Y., assignor to Rubin-Feld Inc., New York, N. Y., a corporation of New York. Filed Nov. 20, 1944.

Rufelle Original NEW YORK

The words "Original" and "New York" are disclaimed apart from their association with the trade-mark "Rufelle."
FOR WOMEN'S COATS AND SUITS.
Claims use since Nov. 6, 1944.

Reg. No. 504,426. H. BERNSTEIN & Co., Chicago, Ill. Filed June 22, 1946.

Windy City

FOR MEN'S, WOMEN'S AND CHILDREN'S OUTER GARMENTS — NAMELY, OVERALLS, COVERALLS, TROUSERS, SHIRTS, CLOTH COATS, LEATHER COATS, LEATHER JACKETS, CLOTH JACKETS, COMBINED LEATHER AND CLOTH JACKETS, FUR COATS, SHEEP SKIN COATS, SHEEP SKIN JACKETS, HELMETS, CAPS, AND MOCCASINS.
Claims use since May 1, 1930.

Ser. No. 521,504. JOEL RAILY DAVIS, INC., Philadelphia, Pa. Filed Apr. 29, 1947. Under 10-year proviso.

Peerless

FOR HOSIERY AND UNDERWEAR FOR WOMEN AND GIRLS.
Claims use since 1881.

Ser. No. 525,954. THE ROYAL TAILORS INC., Chicago, Ill., assignor to Chicago Kahn Bros., Chicago, Ill., a corporation of Kentucky. Filed July 3, 1947.

THE ROYAL TAILORS

The word "Tailors" is disclaimed apart from the mark.
FOR MEN'S SUITS, VESTS, TROUSERS, AND VARIOUS TYPES OF COATS, AND FOR WOMEN'S SUITS, SKIRTS, SLACKS, AND VARIOUS TYPES OF COATS.
Claims use since 1888.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 513,336. REGAL THREAD AND NOTION CO., INC., Philadelphia, Pa. Filed Nov. 27, 1946.



No claim is made to the exclusive use of the phrase "Thread and Notion Co."
FOR GARMENT FASTENERS AND PINS, ALL MADE OF BASE METALS, SNAP FASTENERS AND SEAM EDGE BINDINGS.
Claims use since 1921.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 519,571. ALBERT N. CORY, INC., New York, N. Y. Filed Mar. 26, 1947.

CARMA

Applicant owns Reg. No. 189,513.
FOR OLIVES.
Claims use since June 20, 1943.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 525,561. DUQUESNE BREWING COMPANY OF PITTSBURG, Pittsburgh, Pa. Filed July 2, 1947.



The linings on the drawing represent the colors brown and yellow.
FOR BOCK BEER.
Claims use since Mar. 14, 1934.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 521,918. MIDDLEBURG TANNING CORPORATION, Philadelphia, Pa. Original filed May 5, 1947, under the act of 1905; amended to application under act of 1946, Nov. 8, 1948. Under section 2f of the act of 1946.

TANRITE

FOR SOLE LEATHER.
Claims use since January 1937.

Ser. No. 532,775. UNITED HYBRID GROWERS ASSOCIATION, Shenandoah, Iowa. Filed Aug. 28, 1947.



Applicant disclaims the slogan "The Corn of Plenty" and the word "Hybrid" and the representation of ears of corn apart from the mark as shown.
FOR HYBRID SEED CORN.
Claims use since July 1, 1946.

Ser. No. 542,352. RAVEN COALS, INC., Beckley, W. Va. Filed Nov. 25, 1947.



No claim is made to the word "Peerless" except as shown. The lining on the drawing indicates the color red. The picture is fanciful.
FOR COAL.
Claims use since Oct. 22, 1947.

CLASS 2

RECEPTACLES

Ser. No. 546,136. UNIVERSAL PRODUCING COMPANY, Fairfield, Iowa. Filed Jan. 3, 1948.

MARVEL

FOR CLOTHES BASKET LINERS MADE FROM PLASTIC-COATED FABRIC.
Claims use since Dec. 16, 1947.

Ser. No. 554,090. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Filed Apr. 8, 1948.

CLOVER FARM

FOR PAPER PLATES, PAPER CUPS, AND WOODEN PLATES.
Claims use since 1882.

Ser. No. 560,129. FORD MOTOR COMPANY, Dearborn, Mich. Filed Nov. 20, 1948.

FoMoCo

FOR FABRIC BAGS FOR TOOLS.
Claims use since Nov. 17, 1948.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 541,823. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Nov. 20, 1947.

FIELDBILT

FOR WOMEN'S HANDBAGS.
Claims use since Sept. 15, 1947.

Ser. No. 552,365. BIENEN-DAVIS, INC., New York, N. Y. Filed Mar. 20, 1948. Under section 2f of the act of 1946.



Applicant claims ownership of Registration No. 334,765.
FOR WOMEN'S AND MISSES' HANDBAGS, POCKETBOOKS, AND PURSES.
Claims use since July 1, 1942.

Ser. No. 562,161. SPELREIN LUGGAGE CORP., Brooklyn, N. Y. Filed July 24, 1948.

Jewel-Tone By Spelrein

The words "By Spelrein" are disclaimed apart from the mark as shown.
FOR LUGGAGE—NAMELY, GRIPS, VALISES, HAT AND SHOE CASES, WARDROBE TRUNKS, AND SUITCASES.
Claims use since June 16, 1948.

Ser. No. 567,380. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y. Filed Oct. 21, 1948.

COMBO

FOR WALLETS AND PURSES.
Claims use since Sept. 30, 1948.

Ser. No. 567,381. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y. Filed Oct. 21, 1948.

LITTLE GIANT

FOR WALLETS AND PURSES.
Claims use since Sept. 30, 1948.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 524,927. ARMSTRONG CORK COMPANY, Lancaster, Pa. Original filed June 27, 1947, under the act of 1905; amended to application under act of 1946, Feb. 24, 1948. Under section 2f of the act of 1946.

ARMSTRONG CORK COMPANY

FOR CLEANING PREPARATIONS IN GRANULE, POWDER, LIQUID, AND OTHER FORMS FOR GENERAL CLEANING PURPOSES AND IN PARTICULAR FOR CLEANING LINOLEUM, FELT BASE, AND OTHER HARD SURFACED FLOOR AND WALL COVERINGS, WOOD, TERRAZZO, CERAMIC TILE, CORK TILE, RUBBER TILE, ASPHALT TILE, AND OTHER FLOOR AND WALL COVERINGS; AND POLISHING WHEELS OF CORK, CORK COMPOSITION, AND CORK AND SYNTHETIC RUBBER COMPOSITION.
Claims use since Dec. 1, 1938.

Ser. No. 536,571. WESTVACO CHLORINE PRODUCTS CORPORATION, New York, N. Y., Carteret, N. J., South Charleston, W. Va., and Newark, Calif., and other places throughout the United States, now by change of name and merger to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware. Filed Oct. 2, 1947.

KAM

FOR BOTTLE WASHING COMPOUND.
Claims use since June 2, 1947.

Ser. No. 540,704. THOMAS D. PAYNE, doing business as T. D. Payne Laboratories, Houston, Tex. Filed Nov. 10, 1947.

SPARKLE BRITE

No claim is made to the word "Brite" apart from the mark as shown.
FOR LIQUID TYPE CLEANER, PARTICULARLY FOR USE IN CLEANING TYPEWRITER TYPE.
Claims use since January 1946.

Ser. No. 558,006. CONSOLIDATED COSMETICS, Chicago, Ill. Filed May 28, 1948.

INVISIBLE ACCESSORY

FOR TOILET SOAP AND LAUNDRY SOAP.
Claims use since May 14, 1948.

Ser. No. 558,716. HARRIET HUBBARD AYER, INC., New York, N. Y. Filed June 8, 1948.

Golden Chance

FOR SOAP.
Claims use since May 7, 1948.

Ser. No. 560,588. UNIVERSAL LABORATORIES, INC., East Orange, N. J. Filed July 1, 1948.



Beauty IN THE *Morning*

The picture of the representation of the head of a girl is fanciful. Applicant claims ownership of Registration No. 112,957.
FOR SOAPS.
Claims use since June 4, 1948.

Ser. No. 561,216. ROBINSON BROTHERS BUFFALO AMMONIA INC., Brooklyn, N. Y. Filed July 12, 1948.

NU-RAY

The lining of the drawing is for shading purposes only.
FOR CLEANING PREPARATIONS FOR HOUSEHOLD USE.
Claims use since June 1, 1948.

Ser. No. 564,111. ABRAHAM S. GECHTMAN, Newark, N. J. Filed Aug. 25, 1948.

SKID

FOR PREPARATION TO BE APPLIED TO THE FACE TO SOFTEN THE BEARD AND TO CAUSE THE HAIRS TO STAND SUBSTANTIALLY ERECT PREPARATORY TO SHAVING.
Claims use since June 1948.

Ser. No. 565,039. BREUER ELECTRIC MFG. CO., Chicago, Ill. Filed Sept. 13, 1948.

TORNADO

FOR CLEANING COMPOUND FOR FLOORS AND WALLS, AND A SHAMPOO PREPARATION FOR CLEANING RUGS, CARPETS, AND UPHOLSTERY.
Claims use since June 1947.

CLASS 5

ADHESIVES

Ser. No. 554,535. TIP-TOP PRODUCTS COMPANY, Omaha, Nebr. Filed Apr. 13, 1948.

OK

Applicant claims ownership of Registration No. 335,485.
FOR LIQUID SOLDER.
Claims use since May 9, 1933.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 517,999. HORTON & CONVERSE, Los Angeles, Calif. Original filed Feb. 24, 1947, under the act of 1905; amended to application under act of 1946, July 1, 1948. CONCURRENT USE with Ser. No. 529,591 for the area comprising all of the States except Washington, Oregon, California, Nevada, Idaho, Utah, Arizona, Montana, Wyoming, Colorado, and New Mexico.

CODSAL No. 2

FOR ASPIRIN COMPOUND AND CODEINE FOR USE AS AN ANALGESIC, ANTIPYRETIC, AND ANTI-RHEUMATIC.
Claims use since 1936.

Ser. No. 527,739. NATIONAL ALUMINATE CORPORATION, Chicago, Ill. Filed July 5, 1947.

PH 7

FOR CHEMICAL COMPOUND USED AS A RUST PREVENTIVE, CLEANER AND PRESERVATIVE FOR INTERNAL COMBUSTION ENGINE COOLING SYSTEMS.
Claims use since Nov. 1, 1934.

Ser. No. 529,591. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed July 26, 1947. CONCURRENT USE with Ser. No. 517,999 for the area comprising the States of Washington, Oregon, California, Nevada, Idaho, Utah, Arizona, Montana, Wyoming, Colorado, and New Mexico.

CODESAL

FOR PHARMACEUTICAL PREPARATION FOR USE AS AN ANALGESIC, SEDATIVE AND ANTIPYRETIC.
Claims use since March 1925.

Ser. No. 537,044. INTERNATIONAL CHEMICAL WORKERS UNION, Akron, Ohio. Filed Oct. 7, 1947. CERTIFICATION MARK.

INTERNATIONAL CHEMICAL WORKERS UNION A.F.OF L.

No claim is made to "A. F. of L." apart from the mark as shown.
FOR CHEMICALS AND CHEMICAL PRODUCTS.
Claims use since 1944.

Ser. No. 540,825. THE KALO COMPANY, Quincy, Ill. Filed Nov. 12, 1947.

KALO

Applicant claims ownership of Registration No. 234,233.
FOR MINERALS AND MINERAL MIXTURES FOR

USE AS A FOOD SUPPLEMENT FOR LIVESTOCK AND POULTRY, AND LIVESTOCK AND POULTRY TONICS AND REMEDIES—NAMELY, DRENCHES AND WORM OILS.
Claims use since 1914.

Ser. No. 542,016. DUSHARME PRODUCTS INC., Minneapolis, Minn. Filed Nov. 22, 1947.



The representation of the jar is disclaimed. The portraiture is fanciful. Applicant claims ownership of Registration No. 383,811.
FOR HAIR DRESSINGS.
Claims use since Feb. 1, 1946.

Ser. No. 549,569. THE NESTLE-LEMUR COMPANY, Meriden, Conn. Filed Feb. 12, 1948. Under section 2f of the act of 1946.

COLORINSE

Applicant claims ownership of Registration No. 264,670.
FOR HAIR-TREATING COMPOSITION USED IN CONNECTION WITH TINTING HAIR.
Claims use since July 9, 1929.

Ser. No. 550,383. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Feb. 24, 1948.

ORTHOPHOS

FOR PARASITICIDES—NAMELY, INSECTICIDES AND FUNGICIDES; AND HERBICIDES.
Claims use since Jan. 9, 1948.

Ser. No. 550,384. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Feb. 24, 1948.

PERSISTOPHOS

FOR PARASITICIDES—NAMELY, INSECTICIDES AND FUNGICIDES; AND HERBICIDES.
Claims use since Jan. 9, 1948.

Ser. No. 550,947. PUGET SOUND PULP AND TIMBER CO., Bellingham, Wash. Filed Mar. 1, 1948.

LIGNOSITE

FOR POWDERED MATERIAL OBTAINED SUBSTANTIALLY ENTIRELY FROM SULPHITE WASTE LIQUOR REDUCED TO A POWDERED FORM AND PRINCIPALLY EMPLOYED AS A DISPERSING AGENT FOR CEMENT IN MIXING CONCRETE.
Claims use since Nov. 19, 1947.

Ser. No. 551,035. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed Mar. 2, 1948.

NATIONAL

Applicant claims ownership of Registration No. 401,928.
FOR CHEMICAL FLUXES FOR WELDING, BRAZING, SOLDERING, AND METAL BONDING OPERATIONS GENERALLY.
Claims use since November 1938.

Ser. No. 554,206. WARD BLENKINSOP & COMPANY LIMITED, London W., England. Filed Apr. 9, 1948.

TEXTANT

Applicant claims ownership of British Registration No. 640,444, dated July 3, 1946.
FOR CHEMICAL SUBSTANCES FOR USE AS ASSISTANTS IN THE DYEING OR TREATING OF TEXTILES AND OTHER FIBROUS MATERIALS.

Ser. No. 554,644. ELISABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Apr. 15, 1948.

VEILED SILK

FOR FOUNDATION CREAMS.
Claims use since Feb. 2, 1948.

Ser. No. 558,402. MEYER CHEMICAL COMPANY, Detroit, Mich. Filed June 3, 1948.

ALMESTRONE

FOR PARENTERAL SOLUTION FOR THE TREATMENT OF MENOPAUSAL SYNDROME, HYPOMENNORRHEA; AMENORRHEA, MASTITIS AND CHRONIC MASTITIS, MENOPAUSAL ARTHRITIS, SENILE VAGINITIS AND VULVITIS.
Claims use since Nov. 15, 1946.

Ser. No. 561,240. IRENE L. HOLTZ, doing business as Dell Products, Plainfield, N. J. Filed July 13, 1948.

SANAR

FOR MEDICINAL OINTMENT.
Claims use since May 1, 1935.

Ser. No. 561,686. RARE CHEMICALS, INC., Harrison, N. J. Filed July 19, 1948.

MUCORETTES

FOR HORMONES FOR SUBLINGUAL USE.
Claims use since March 1948.

Ser. No. 562,076. M. MICHEL & COMPANY, INC., New York, N. Y. Filed July 23, 1948.

Cachalot

FOR HIGHER ALIPHATIC ALCOHOLS FROM C_{10} TO C_{20} INCLUSIVE.
Claims use since Apr. 1, 1947.

Ser. No. 562,547. DISTILLATION PRODUCTS, INC., Wilmington, Del., and Rochester, N. Y. Filed July 30, 1948.

MYVEROL

FOR MONOESTERS OF POLYHYDRIC ALCOHOLS.
Claims use since July 13, 1948.

Ser. No. 562,746. AMPHAC LABORATORIES, INC., Everett, Wash. Filed Aug. 4, 1948.

TOUR-AID

The word "Aid" is disclaimed.
FOR MEDICINAL PREPARATION FOR THE PREVENTION AND TREATMENT OF MOTION SICKNESS, PROPHYLAXIS, AND RELIEF OF NAUSEA.
Claims use since July 20, 1948.

Ser. No. 564,459. NULOX CORPORATION OF AMERICA, New York, N. Y. Filed Aug. 31, 1948.

NULOX

FOR HAIR DRESSING.
Claims use since July 21, 1948.

Ser. No. 564,608. WILLIAM COOPER & NEPHEWS INCORPORATED, Chicago, Ill. Filed Sept. 3, 1948. Under section 2f of the act of 1946.

SPONGE-AWAY

Applicant claims ownership of Registration No. 398,091.
FOR ANIMAL INSECTICIDE.
Claims use since July 13, 1941.

Ser. No. 567,328. CUTTER LABORATORIES, Berkeley, Calif. Filed Aug. 24, 1948.

(B. T. V.)

Applicant claims ownership of Registration No. 395,325.
FOR VACCINE FOR THE PREVENTION OF CHOLERA IN SWINE.
Claims use since Feb. 20, 1940.

CLASS 7

CORDAGE

Ser. No. 569,231. TUBBS CORDAGE COMPANY, San Francisco, Calif. Filed Nov. 22, 1948.

ABACORD

FOR HARD FIBER TWINE.
Claims use since Nov. 4, 1948.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 539,371. VIRGINIA METAL PRODUCTS CORPORATION, Orange, Va. Filed Oct. 28, 1947.

VMP CORPORATION

The word "Corporation" is disclaimed. The drawing is lined for the color orange.
FOR METAL BI-PASSING DOORS, DOOR FRAMES, WINDOWS, WINDOW FRAMES, AND AUXILIARY STEEL PARTITIONS.
Claims use since Aug. 4, 1947.

Ser. No. 548,868. SIGNODE STEEL STRAPPING COMPANY, Chicago, Ill. Filed Feb. 5, 1948.

SIGNODE

Applicant claims ownership of Registrations Nos. 116,691, 116,692, 110,862, 116,863, 116,624, 397,725, and 399,088.
FOR LOAD RETAINING DOORS AND LOAD RETAINING STRIPS, CONSISTING RESPECTIVELY OF SHEETS AND STRIPS OF PAPER OR OTHER SUITABLE MATERIAL, PREFERABLY REINFORCED WITH METALLIC STRAPPING, FOR BRIDGING ACROSS THE DOORWAYS OR CARGO SPACES OF FREIGHT CARRIERS, SUCH AS RAILWAY BOX CARS, TO CONTAIN LOADS OF MERCHANDISE WITHIN SUCH CARRIERS.
Claims use since Aug. 1, 1947.

Ser. No. 550,111. ASH GROVE LIME & PORTLAND CEMENT COMPANY, Kansas City, Mo. Filed Feb. 19, 1948.

ASH GROVE

PPZ

PORTLAND POZZOLANA

The words "Portland" and "Pozzolana" are disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 78,926, 197,630, 257,000, 275,137, 316,016, 326,530, and 374,335.

FOR PORTLAND POZZOLANA CEMENT.

Claims use since Nov. 8, 1947.

Ser. No. 550,344. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill. Filed Feb. 21, 1948.

PLISULATE

Applicant claims ownership of Registration No. 365,650.

FOR PLASTIC AND NON-PLASTIC HEAT INSULATING MATERIAL, COMPRISING INSULATING CEMENT; INSULATING BLOCK COMPRISING MINERAL WOOL, ASBESTOS FIBRE, AND COLLOIDAL CLAY; INSULATING FELT; INSULATING BLANKETS; AND INSULATING WOOL.

Claims use since July 14, 1938, on plastic heat insulating material; and since September 1939 on non-plastic heat insulating material.

Ser. No. 550,510. INLAND STEEL PRODUCTS COMPANY, Milwaukee, Wis. Filed Feb. 25, 1948.

MILCOR

Applicant claims ownership of Registration No. 179,554.

FOR METAL ARTICLES FOR BUILDING CONSTRUCTIONS: CONDUCTOR PIPE AND CONDUCTOR PIPE ELBOWS FOR CARRYING RAIN, BUILDING CORNERS, CORNER BEADS, BASE SCREEDS, MOLDINGS AND PLASTER TERMINALS, SIDING, ROOFING AND ACCESSORIES—NAMELY, ROOF EDGES AND EAVES DRIPS; FINIALS AND SHUTTERS FOR VENTILATING CUPOLAS, GUTTERS AND ACCESSORIES—NAMELY, SPIKES, FERRULES, HANGERS, END PIECES, OUTLETS, CIRCLES, SLIP JOINT CONNECTIONS, END CAPS, MITRES, AND DROPS; RIDGE ROLLS, VALLEYS, FLASHING, LATH, FLUE CLEAN OUT DOORS, STUDS, CHANNELS FOR SUPPORTING METAL LATH, DOOR AND WINDOW CASING, ACCESS DOORS, PACKAGE RECEIVERS, WINDOW SASH, AND ROOF DECK.

Claims use since November 1911.

Ser. No. 553,581. EVODE CHEMICAL WORKS LIMITED, Stafford, England. Filed Apr. 1, 1948.

MELLITOL

Applicant claims ownership of British Registration No. 610,470, dated Jan. 25, 1940.

FOR PREPARATIONS TO BE ADDED TO A CEMENT MIX FOR WATERPROOFING CEMENT.

Ser. No. 553,703. THE WEATHER-PROOF COMPANY, Cleveland, Ohio. Filed Apr. 3, 1948.

Alum-A-Lite

FOR AUXILIARY WINDOW AND SCREEN.

Claims use since February 1947.

Ser. No. 556,280. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio. Filed May 5, 1948. Under section 2f of the act of 1946.

CAREYCRETE

Applicant claims ownership of Registrations Nos. 105,340 and 134,525.

FOR BITUMINOUS MASTIC FLOORING COMPOSITION.

Claims use since Aug. 1, 1935.

Ser. No. 556,282. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio. Filed May 5, 1948. Under section 2f of the act of 1946.

FELTEX

FOR ASPHALT ROLL ROOFING AND BUILDING PAPER.

Claims use since July 1, 1925.

Ser. No. 557,706. WELL EQUIPMENT MFG. CORP., Houston, Tex. Filed May 24, 1948.

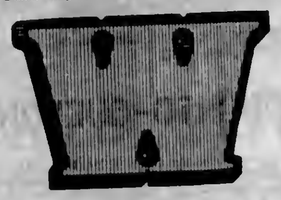


The drawing is lined to indicate the colors red and black.

FOR DRILL COLLAR DOPE, TOOL JOINT DOPE, AND SEALING COMPOUND, ALL OF WHICH ARE PLASTIC COMPOUNDS FOR LUBRICATING AND SEALING THREADED JOINTS.

Claims use since Mar. 4, 1947.

Ser. No. 557,709. WELL EQUIPMENT MFG. CORP., Houston, Tex. Filed May 24, 1948.



The drawing is lined to indicate the colors red and black.

FOR DRILL COLLAR DOPE, TOOL JOINT DOPE, AND SEALING COMPOUND, ALL OF WHICH ARE PLASTIC COMPOUNDS FOR LUBRICATING AND SEALING THREADED JOINTS.

Claims use since Mar. 4, 1947.

Ser. No. 561,409. GEORGE C. BROWN & COMPANY, Greensboro, N. C. Filed Mar. 17, 1948. Under section 2f of the act of 1946.

SUPERCEDAR

Applicant claims ownership of Registration No. 246,243.

FOR CLOSET LINING MADE OF CEDAR.

Claims use since Apr. 1, 1926.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 528,186. BENJAMIN AIR RIFLE COMPANY, St. Louis, Mo. Filed July 9, 1947. Under section 2f of the act of 1946.

BENJAMIN

FOR PRECISION ATOMIZING NOZZLES FOR ATOMIZING FUEL OILS.

Claims use since Sept. 11, 1931.

Ser. No. 530,448. THE WAGNER MANUFACTURING COMPANY, Sidney, Ohio. Filed Aug. 4, 1947. Under section 2f of the act of 1946.

WAGNER WARE

The word "Ware" is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 211,388 and 207,738.

FOR POTS, KETTLES, TEAKETTLES, PANS, BAKING PANS, SAUCEPANS, FRYING PANS, SKILLETS, ROASTERS, DUTCH OVENS, AND GRIDDLES MADE OF CAST IRON, CAST ALUMINUM, AND OTHER BASE MENTALS, AND OF SPECIAL ALUMINUM ALLOYS.

Claims use since 1914.

Ser. No. 534,634. ILLINOIS TOOL WORKS, Chicago, Ill. Filed Sept. 16, 1947. Under section 2f of the act of 1946.

SHAKEPROOF

Applicant claims ownership of Registrations Nos. 167,320 and 232,805 (both expired).

FOR THREAD CUTTING SCREWS, LOCKING SCREWS, ASSEMBLED SCREWS AND WASHERS, LOCK WASHERS, PLAIN METAL WASHERS, NUTS, QUICK OPENING FASTENERS FOR INDUSTRIAL INSTALLATIONS, SNAP FASTENERS FOR INDUSTRIAL USE, MACHINE SCREWS, SET SCREWS, DRIVE SCREWS, AND MOLDING CLIPS.

Claims use since Dec. 1, 1921.

Ser. No. 538,666. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn. Filed Oct. 22, 1947.

Green Spot

FOR GARDEN HOSE CLAMPS, QUICK CONNECTORS FOR HOSE, Y HOSE CONNECTORS, HOSE COUPLINGS, GOOSE NECKS, HOSE MENDERS, HOSE NIPPLES, HOSE NOZZLES, GARDEN HOSE REPAIR OUTFITS—NAMELY, HOSE CLAMPS AND HOSE MENDERS SOLD AS A UNIT; FAN SPRAYERS, AND VARIOUS TYPES OF LAWN SPRINKLERS.

Claims use since Sept. 8, 1947.

Ser. No. 542,083. CHERRY RIVET COMPANY, Los Angeles, Calif. Filed Nov. 24, 1947. Under section 2f of the act of 1946.

Cherry Rivet

The word "Rivet" is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 403,650 and 434,641.

FOR RIVETS.

Claims use since Aug. 14, 1942.

Ser. No. 542,419. WALWORTH COMPANY, Boston, Mass. Filed Sept. 23, 1947. Under section 2f of the act of 1946.



The representation of the goods is disclaimed apart from the mark shown. Applicant claims ownership of Registration No. 202,089.

FOR METAL PIPE FITTINGS.

Claims use since January 1901.

Ser. No. 551,096. CRIBBEN AND SEXTON COMPANY, Chicago, Ill. Filed Mar. 11, 1948.

"WHIRLPOOL"

FOR BROILER PANS.
Claims use since Mar. 1, 1948.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 545,149. MUELLER CO., Decatur, Ill. Filed Dec. 22, 1947.

HM

Applicant claims ownership of Registrations Nos. 30,910, 229,813, 231,257, 231,322, and 290,835.
FOR STEEL FORGINGS AND ALUMINUM FORGINGS.
Claims use since Aug. 30, 1933, on steel forgings; and since July 1, 1942, on aluminum forgings.

Ser. No. 547,026. PARKER RUST PROOF COMPANY, Detroit, Mich. Filed Jan. 14, 1948. CERTIFICATION MARK.



The drawing is lined to represent blue and silver.
FOR METALS AND METAL CASTINGS AND FORGINGS.
Claims use since Mar. 15, 1936.

Ser. No. 556,860. ALL-STATE WELDING ALLOYS CO., INC., White Plains, N. Y. Filed May 12, 1948.

KROMOVER

FOR BRAZING METAL IN STICK FORM FOR REFINISHING WORN CHROMIUM PLATING.
Claims use since Mar. 3, 1948.

CLASS 15

OILS AND GREASES

Ser. No. 533,576. E. F. HOUGHTON & CO., Philadelphia, Pa. Filed Sept. 5, 1947.

HOUGHTO-QUENCH

No claim is made to the term "Quench" apart from the mark as shown. Applicaot claims ownership of Registrations Nos. 256,724 and 256,723.
FOR QUENCHING OILS.
Claims use since Oct. 25, 1940.

Ser. No. 546,830. DOW CORNING CORPORATION, Midland, Mich. Filed Jan. 13, 1948.

DC

FOR UNCTUOUS ORGANOSILICON POLYMERS OF USE AS LUBRICANTS, AS VIBRATION DAMPINO MEDIA, AS HYDRAULIC MEDIA FOR TRANSMITTING POWER AND AS MEDIA FOR RELEASING RUBBER AND PLASTIC MOLDINGS FROM THEIR MOLDS.
Claims use since November 1944.

Ser. No. 554,640. CITIES SERVICE OIL COMPANY, Chicago, Ill., and Bartlesville, Okla. Filed Apr. 15, 1948.

D-C

FOR LUBRICATING OILS.
Claims use since Dec. 1, 1936.

Ser. No. 556,487. SEASIDE OIL COMPANY, Santa Barbara, Calif. Filed May 7, 1948.

SILVER GULL

FOR GASOLINE.
Claims use since Oct. 31, 1933.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 538,072. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill. Filed Oct. 17, 1947. Under section 2f of the act of 1946.

KILBOURN

FOR READY MIXED PAINT, VARNISHES AND PAINT ENAMELS, ALL SOLD IN LIQUID FORM.
Claims use since Feb. 1, 1926.

Ser. No. 543,179. M. GRUMBACHER, INC., New York, N. Y. Filed Dec. 3, 1947. Under section 2f of the act of 1946.

Gainsborough

The word "Gainsborough" is the name of a noted English artist deceased 1788. Applicant claims ownership of Registration No. 243,871.
FOR ARTISTS' PAINTS—NAMELY, OIL COLORS.
Claims use since Mar. 1, 1922.

Ser. No. 545,215. BALTIMORE PAINT & COLOR WORKS, Baltimore, Md. Filed Dec. 23, 1947.



FOR LIQUID BLACK UTILITY PAINT ENAMEL.
Claims use since Apr. 28, 1945.

Ser. No. 548,600. PIDGEON-THOMAS IRON COMPANY, Memphis, Tenn. Filed Feb. 3, 1948.



The portrait forming a part of the mark is fanciful.
FOR DRY, PASTE, AND READY-MIXED PAINTS.
Claims use since Aug. 21, 1932.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 503,283. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio. Original filed Jan. 5, 1946, under the act of 1905; amended to application under act of 1946, Nov. 5, 1947.



The drawing is lined to represent the colors red, blue, and silver.
FOR METALLIC FITTINGS AND ALLOYS—NAMELY, ANODE RODS FOR ELECTROLYTICALLY PREVENTING CORROSION OF TANKS, LIQUID CONTAINERS AND WATER HEATERS.
Claims use since Apr. 1, 1946.

Ser. No. 538,285. MILTON R. IVERSEN, doing business as Radio Electric Supply Co., Minneapolis, Minn. Filed Oct. 18, 1947.

EDUCATOR

FOR SOUND RECORD PLAYERS AND AMPLIFYING UNITS THEREFOR.
Claims use since Mar. 3, 1947.

Ser. No. 542,063. AIRBORNE ACCESSORIES CORPORATION, Hillside, N. J. Filed Nov. 24, 1947.



The word "Trim" is disclaimed apart from the mark shown in the drawing. The latitudinal lines are for the purpose of indicating shading only.
FOR ELECTRO MECHANICAL APPARATUS IN THE NATURE OF A ROTARY ACTUATOR FOR ACTUATING THE TABS AND OTHER CONTROL SURFACES ON AIRCRAFT.
Claims use since May 31, 1947.

Ser. No. 544,100. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed Dec. 11, 1947.

SHIELD-O-MATIC

FOR ELECTRIC ARC WELDING UNITS AND MACHINES.
Claims use since October 1941.

Ser. No. 546,609. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J. Filed Jan. 9, 1948.

ROECABLE

FOR ELECTRICAL WIRE AND CABLE.
Claims use since Aug. 31, 1938.

Ser. No. 547,066. THE THOMAS & BETTS CO., Elizabeth, N. J. Filed Jan. 14, 1948. Under section 2f of the act of 1946.

LUG-IT

FOR ELECTRIC CONDUIT FITTINGS—NAMELY, LUGS FOR SOLID AND STRANDED WIRES.
Claims use since December 1938.

Ser. No. 549,763. SYNTRON COMPANY, Homer City, Pa. Filed Feb. 14, 1948.

SYNTRON

Applicant claims ownership of Registrations Nos. 171,065, 415,309, and 419,108.
FOR RECTIFIERS OF THE THERMIONIC TUBE, VALVES, DRY PLATE, AND METALLIC TYPES.
Claims use since Dec. 1, 1922.

Ser. No. 549,775. AMERICAN BATTERY MFG. COMPANY, doing business as Pioneer Battery Company, Kansas City, Mo., and Kansas City, Kans. Filed Feb. 16, 1948.

PIONEER

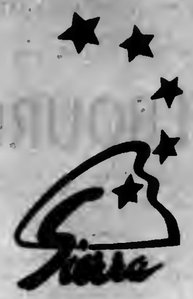
FOR ELECTRIC STORAGE BATTERIES.
Claims use since Spring of 1945.

Ser. No. 549,817. MCDONALD MANUFACTURING COMPANY, Los Angeles, Calif. Filed Feb. 16, 1948.

Sierra

FOR ELECTRICAL APPARATUS—NAMELY, CONNECTING DEVICES, FLUSH SWITCHES, SURFACE SWITCHES, LAMPHOLDERS, FLUSH AND WALL PLATES, RECEPTACLES, CONVENIENCE OUTLETS, SOCKETS, PLUGS, TAPS, CORD SWITCHES, CONNECTORS, AND CIRCUIT BREAKERS.
Claims use since Mar. 15, 1946.

Ser. No. 549,818. MCDONALD MANUFACTURING COMPANY, Los Angeles, Calif. Filed Feb. 16, 1948.



FOR ELECTRICAL APPARATUS—NAMELY, CONNECTING DEVICES, FLUSH SWITCHES, SURFACE SWITCHES, LAMPHOLDERS, FLUSH AND WALL PLATES, RECEPTACLES, CONVENIENCE OUTLETS, SOCKETS, PLUGS, TAPS, CORD SWITCHES, CONNECTORS, AND CIRCUIT BREAKERS.
Claims use since Mar. 15, 1946.

Ser. No. 549,819. MCDONALD MANUFACTURING COMPANY, Los Angeles, Calif. Filed Feb. 16, 1948.

THE SIERRA LINE

FOR ELECTRICAL APPARATUS—NAMELY, CONNECTING DEVICES, FLUSH SWITCHES, SURFACE SWITCHES, LAMPHOLDERS, FLUSH AND WALL PLATES, RECEPTACLES, CONVENIENCE OUTLETS, SOCKETS, PLUGS, TAPS, CORD SWITCHES, CONNECTORS, AND CIRCUIT BREAKERS.
Claims use since Mar. 15, 1946.

Ser. No. 549,920. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 17, 1948.

The GENERAL

Applicant claims ownership of Registration No. 383,180.
FOR STORAGE BATTERIES.
Claims use since Feb. 22, 1940.

Ser. No. 550,036. ELECTRO MANUFACTURING CORPORATION, Chicago, Ill. Filed Feb. 18, 1948.

SLIMLINER

FOR FLUORESCENT LIGHTING FIXTURES.
Claims use since Feb. 13, 1948.

Ser. No. 550,356. SCHILLER BROS., Union City, N. J. Filed Feb. 21, 1948.



FOR ELECTRICAL LAMPS.
Claims use since Jan. 12, 1948.

Ser. No. 550,551. THE PYLE-NATIONAL COMPANY, Chicago, Ill. Filed Feb. 25, 1948.

PYLET

Applicant claims ownership of Registration No. 354,890.
FOR ELECTRICAL CONDUIT FITTINGS.
Claims use since Sept. 15, 1938.

Ser. No. 550,722. MORRIS MUCHNICK, doing business as Wonder-Aid Products Co., Burbank, Calif. Filed Feb. 27, 1948.

WONDER-AID

FOR ELECTRICALLY-DRIVEN, GARBAGE DISPOSAL UNIT.
Claims use since Feb. 25, 1948.

Ser. No. 550,776. AUTOMATIC HEADLIGHT DIMMER CORPORATION, Camden, N. J. Filed Feb. 28, 1948.

BEAMASTER

FOR ELECTRONIC CONTROL APPARATUS FOR CONTROLLING THE RANGE OF THE HEADLIGHT BEAMS OF ONE AUTOMOBILE UPON THE APPROACH IN THE OPPOSITE DIRECTION OF ANOTHER AUTOMOBILE.
Claims use since Nov. 18, 1947.

Ser. No. 550,948. RADIANT LAMP CORPORATION, Newark, N. J. Filed Mar. 1, 1948.

RADIANT

FOR INCANDESCENT LAMPS.
Claims use since June 1935.

Ser. No. 551,266. GENERAL DRY BATTERIES, INC., Lakewood, Ohio. Filed Mar. 5, 1948.

STORM KING

FOR DRY BATTERIES.
Claims use since Sept. 16, 1925.

Ser. No. 551,651. NEW ENGLAND MICA COMPANY, Waltham, Mass. Filed Mar. 10, 1948.

NEMCOITE

FOR BONDED MICA INSULATION PRIMARILY USED FOR ELECTRICAL INSULATING PURPOSES IN THE FORM OF SHEETS AND ARTICLES CUT, STAMPED, OR FORMED THEREFROM.
Claims use since Feb. 1, 1933.

Ser. No. 551,652. NEW ENGLAND MICA COMPANY, Waltham, Mass. Filed Mar. 10, 1948.

SUPER-NEMCOITE

FOR BONDED MICA INSULATION PRIMARILY USED FOR ELECTRICAL INSULATING PURPOSES IN THE FORM OF SHEETS AND ARTICLES CUT, STAMPED, OR FORMED THEREFROM.
Claims use since Jan. 1, 1938.

Ser. No. 551,653. NEW ENGLAND MICA COMPANY, Waltham, Mass. Filed Mar. 10, 1948.

Y-26

FOR BONDED MICA INSULATION PRIMARILY USED FOR ELECTRICAL INSULATING PURPOSES IN THE FORM OF SHEETS AND ARTICLES CUT, STAMPED, OR FORMED THEREFROM.
Claims use since Mar. 15, 1922.

Ser. No. 551,830. TRIANGLE CONDUIT & CABLE CO., INC., New Brunswick, N. J. Filed Mar. 12, 1948.

TRIANGLE
GLAZON TRIEX

FOR NON-METALLIC SHEATHED ELECTRIC CABLE.
Claims use since Dec. 19, 1947.

Ser. No. 552,044. DUOTONE COMPANY, INC., New York, N. Y. Filed Mar. 16, 1948.

DUOTONE

Applicant claims ownership of Registration No. 434,941.
FOR ELECTRICAL SOUND RECORDING MACHINES, ELECTRICALLY CONTROLLED PHONOGRAPH TURNTABLES, AND ELECTRICALLY CONTROLLED MECHANISM FOR SOUND PRODUCING APPARATUS.
Claims use since January 1942.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 508,573. CENTRAL INDUSTRIES, INC., Watertown, Conn. Original filed Sept. 6, 1946, under the act of 1905; amended to application under act of 1946, Jan. 8, 1948.

MIDGETOOL

FOR POWER-DRIVEN BENCH MATERIAL WORKING TOOLS—NAMELY, ROTARY SAWS, JIG SAWS, BAND SAWS, JOINERS, WOODWORKING LATHES, SANDERS, AND SHAPERS.
Claims use since Aug. 1, 1946.

Ser. No. 510,670. FRED S. CARVER, INC., New York, N. Y. Original filed Jan. 31, 1947, under the act of 1905; amended to application under act of 1946, Jan. 10, 1948.

CARVER

FOR HYDRAULIC PRESSES AND PARTS THEREOF, HYDRAULIC ACCUMULATORS, HYDRAULIC PUMPS, HYDRAULIC COCOA PRESSES, HYDRAULIC COCOA BUTTER PRESSES, HYDRAULIC LABORATORY PRESSES, HYDRAULIC FILTER PRESSES, AND HYDRAULIC LAMINATING PRESSES.
Claims use since 1916.

Ser. No. 523,260. THE GENERAL DETROIT CORP., Detroit, Mich. Original filed May 29, 1947, under the act of 1905; amended to application under act of 1946, Dec. 26, 1947. Under section 2f of the act of 1946.

SAFETY PHLARE

The word "Safety" is disclaimed apart from the mark shown.
FOR PORTABLE FIRE EXTINGUISHERS USING CARBON DIOXIDE.
Claims use since November 1939.

Ser. No. 529,216. THE VAUGHN MACHINERY COMPANY, Cuyahoga Falls, Ohio. Filed July 22, 1947. Under section 2f of the act of 1946.

VAUGHN

FOR WIRE DRAWING MACHINES, BOTH INDIVIDUAL, TANDEM AND CONTINUOUS, WIRE-GRINDING MACHINES, MACHINES FOR COLD-DRAWING METAL TUBES, BARS, AND OTHER SHAPES, DRAW BENCHES FOR WIRE, DRAW BENCHES FOR BARS, TUBES, AND SHAPES, PARTS OF SUCH MACHINES AND DRAW BENCHES, TAKE-UP FRAMES FOR GALVANIZING, TINNING AND PATENTING, SPOOLERS, DIE STRINGERS, POINTERS, FLOOR REELS, BLOCK STRIPPING SPIDERS, SHEARS, MACHINES FOR MILLING, REFINING, AND WASHING RUBBER, AND PARTS OF SUCH MACHINES, SCRAP-BUNDLING MACHINES AND PARTS OF SUCH MACHINES.
Claims use since 1918.

Ser. No. 534,201. STANDARD SHOE MACHINERY COMPANY, Chicago, Ill. Filed Sept. 11, 1947.



FOR FRENCH HAMMERS, COBBLERS' HAMMERS, NIPPERS.
Claims use since 1912.

Ser. No. 541,606. THOMAS HOIST COMPANY, Chicago, Ill. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

BARKER

FOR CHUCKS.
Claims use since January 1918.

Ser. No. 543,595. FREE SEWING MACHINE CO., Rockford, Ill. Filed Dec. 6, 1947.



FOR SEWING MACHINES AND ATTACHMENTS.
Claims use since June 8, 1945.

Ser. No. 543,596. FREE SEWING MACHINE CO., Rockford, Ill. Filed Dec. 6, 1947.

No claim is made to the words "Free Sewing Machine Co., Rockford, Ill., U. S. A." apart from the mark as shown.
FOR SEWING MACHINES AND ATTACHMENTS.
Claims use since June 8, 1945.

Ser. No. 543,883. CARLSON TOOL AND MACHINE COMPANY, Geneva, Ill. Filed Dec. 10, 1947. Under section 2f of the act of 1946.

Carlson

Applicant claims ownership of Registration No. 431,364.
FOR MACHINES FOR MAKING AND MACHINES FOR TRIMMING ALL CLASSES OF HOUSEHOLD, PERSONAL AND INDUSTRIAL BRUSHES WHICH ARE STAPLE SET, ANCHOR SET, TWISTED-IN-WIRE, PITCH SET WIRE DRAWN, AND SOLID BACK.
Claims use since April 1940.

Ser. No. 549,464. REVOLVATOR COMPANY, North Bergen, N. J. Filed Feb. 11, 1948.

GO-GETTER

FOR POWER LIFTRUCKS.
Claims use since Jan. 3, 1948.

Ser. No. 549,689. AIR REDUCTION SALES COMPANY, New York, N. Y. Filed Feb. 14, 1948.

AIRCO

Applicant claims ownership of Registration No. 119,485.
FOR WRENCHES.
Claims use since June 20, 1946.

Ser. No. 549,849. SOUTHERN COAL COMPANY, INCORPORATED, Memphis, Tenn. Filed Feb. 16, 1948.

George

FOR GARDEN ALL-PURPOSE TRACTOR.
Claims use since Dec. 23, 1947.

Ser. No. 550,280. AMPCO METAL, INC., Milwaukee, Wis. Filed Feb. 21, 1948.

AMPCO

Applicant claims ownership of Registration No. 419,045.
FOR CENTRIFUGAL PUMPS.
Claims use since June 2, 1914.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 513,545. ZENITH CAMERA CORPORATION, Chicago, Ill. Original filed Nov. 30, 1946, under the act of 1905; amended to application under act of 1946, June 2, 1948.

COMET

FOR CAMERAS OF THE ROLL FILM TYPE.
Claims use since Nov. 9, 1946.

Ser. No. 519,965. MANBEE EQUIPMENT COMPANY, INC., Chicago, Ill. Original filed Apr. 1, 1947, under the act of 1905; amended to application under act of 1946, June 22, 1948.

MANBEE

FOR APPARATUS FOR GAUGING, CHECKING, BALANCING, AND CORRECTING THE ALIGNMENT, SHAPE AND POSITIONING OF WHEELS, WHEEL MOUNTINGS, SUSPENSION AND FRAME STRUCTURES OF AUTOMOTIVE VEHICLES.
Claims use since Dec. 28, 1931.

Ser. No. 526,308. STIMPSON COMPUTING SCALE COMPANY, Louisville, Ky. Original filed July 4, 1947, under the act of 1905; amended to application under act of 1946, Jan. 27, 1948. Under section 2f of the act of 1946.

Stimpson

FOR COMPUTING COMMODITY SCALES FOR WEIGHING FOOD COMMODITIES AND THE LIKE.
Claims use since 1925.

Ser. No. 542,876. PHOTO REFRIGERATION EQUIPMENT CO., Kansas City, Mo. Filed Dec. 1, 1947.

Orben EQUIPMENT

The word "Equipment" is disclaimed apart from the mark shown.
FOR REFRIGERATED PHOTOGRAPHIC FINISHING EQUIPMENT IN THE NATURE OF DEVELOPING TRAYS AND REFRIGERATED TABLES THEREFOR TO MAINTAIN THE SOLUTION AT A PREDETERMINED TEMPERATURE.
Claims use since Nov. 22, 1947.

Ser. No. 551,760. THE BLACK AND DECKER MANUFACTURING COMPANY, Towson, Md. Filed Mar. 12, 1948.

BD

FOR PORTABLE LOAD WEIGHING SCALES, MECHANICALLY AND ELECTRICALLY OPERATED.
Claims use since Mar. 19, 1915.

Ser. No. 555,954. OPTICAL DEVELOPMENT CORPORATION, Chicago, Ill. Filed Apr. 30, 1948.

REFLECTO-LITE

The word "Lite" is disclaimed apart from the mark.
FOR OPTICAL LENSES.
Claims use since Apr. 1, 1948.

Ser. No. 560,275. J & M PRODUCTS CO., Brooklyn, N. Y. Filed June 26, 1948.

Zadiix

FOR OPTICAL GOODS—NAMELY, OPERA GLASSES, TELESCOPES, LENSES AND MOUNTINGS FOR LENSES AND BINOCULARS.
Claims use since May 1, 1948.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 558,801. EMIL LEICHTER WATCH CO., INC., New York, N. Y. Filed May 11, 1948.

CORRECTOMATIC

FOR WATCHES.
Claims use since March 1948.

Ser. No. 560,484. EMIL LEICHTER WATCH CO., INC., New York, N. Y. Filed June 30, 1948.

CORRECTOGRAPH

FOR WATCHES.
Claims use since May 1948.

Ser. No. 565,464. VIKING MERCANTILE CORP., New York, N. Y. Filed Sept. 18, 1948.

ROBIN HOOD

FOR WATCHES.
Claims use since Aug. 17, 1948.

Ser. No. 566,438. MOVADO WATCH AGENCY, INC., New York, N. Y. Filed Sept. 30, 1948.

CELESTOGRAPH

FOR WATCHES.
Claims use since Jan. 31, 1948.

Ser. No. 566,468. B. LEICHTER, doing business as American Watch Co. of Canada, Montreal, Quebec, Canada. Filed Oct. 5, 1948.

SANTA

FOR CLOCKS AND WATCHES.
Claims use since Sept. 20, 1948.

Ser. No. 568,202. EMIL LEICHTER, New York, N. Y. Filed Nov. 4, 1948. Under section 2f of the act of 1946. Applicant claims ownership of Registration No. 408,220.

HYDEPARK

FOR WATCHES.
Claims use since January 1943.

Ser. No. 568,203. EMIL LEICHTER, New York, N. Y. Filed Nov. 4, 1948. Under section 2f of the act of 1946. Applicant claims ownership of Registration No. 408,878.

Packard

FOR WATCHES.
Claims use since September 1942.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 564,997. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Sept. 11, 1948.

SPRING GARDEN

FOR SILVER-PLATED FLAT-WARE.
Claims use since July 28, 1948.

Ser. No. 565,687. J. P. BYRNE & SONS CO., Omaha, Nebr. Filed Sept. 23, 1948.

DENOMA

FOR FINGER RINGS.
Claims use since Feb. 1, 1947.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 513,351. WHITING-ADAMS COMPANY, INC., Boston, Mass. Original filed Nov. 27, 1946, under the act of 1905; amended to application under act of 1946, Sept. 13, 1947. Under section 2f of the act of 1946.

AFRIC

FOR ARTISTS' BRUSHES, AND FOR PAINT BRUSHES USED FOR APPLYING VARNISH, ENAMEL, WALL PAINT, KALSOMINE, DUTCH KALSOMINE, AND STUCCO.
Claims use since Jan. 1, 1930.

Ser. No. 513,356. WHITING-ADAMS COMPANY, INC., Boston, Mass. Original filed Nov. 27, 1946, under the act of 1905; amended to application under act of 1946, Sept. 13, 1947. Under section 2f of the act of 1946.

HANKOW

FOR ARTISTS' BRUSHES, AND FOR PAINT BRUSHES USED FOR APPLYING VARNISH, ENAMEL, WALL PAINT, KALSOMINE, DUTCH KALSOMINE, AND STUCCO.
Claims use since Jan. 1, 1930.

Ser. No. 513,359. WHITING-ADAMS COMPANY, INC., Boston, Mass. Original filed Nov. 27, 1946, under the act of 1905; amended to application under act of 1946, Sept. 13, 1947. Under section 2f of the act of 1946.

MIDWEST

FOR ARTISTS' BRUSHES, AND FOR PAINT BRUSHES USED FOR APPLYING VARNISH, ENAMEL, WALL PAINT, KALSOMINE, DUTCH KALSOMINE, AND STUCCO.
Claims use since Jan. 1, 1930.

Ser. No. 513,362. WHITING-ADAMS COMPANY, INC., Boston, Mass. Original filed Nov. 27, 1946, under the act of 1905; amended to application under act of 1946, Sept. 13, 1947.

OKATKA

Applicant claims ownership of Registration No. 52,864.
FOR ARTISTS' BRUSHES, AND FOR PAINT BRUSHES USED FOR APPLYING VARNISH, ENAMEL, WALL PAINT, KALSOMINE, DUTCH KALSOMINE, AND STUCCO.
Claims use since Jan. 1, 1930.

Ser. No. 513,366. WHITING-ADAMS COMPANY, INC., Boston, Mass. Original filed Nov. 27, 1946, under the act of 1905; amended to application under act of 1946, Sept. 13, 1947. Under section 2f of the act of 1946.

STEEL KING

Applicant claims ownership of Registration No. 52,833.
FOR ARTISTS' BRUSHES, AND FOR PAINT BRUSHES USED FOR APPLYING VARNISH, ENAMEL, WALL PAINT, KALSOMINE, DUTCH KALSOMINE, AND STUCCO.
Claims use since Jan. 1, 1930.

Ser. No. 543,732. NU-ENAMEL CORPORATION, Chicago, Ill. Filed Dec. 8, 1947. Under section 2f of the act of 1946.

NU-ENAMEL

Applicant claims ownership of Registrations Nos. 225,101, 307,252, 308,024, and 322,974.
FOR BRUSHES FOR APPLYING PAINT, VARNISH, STAIN, ENAMEL, AND SIMILAR SUBSTANCES.
Claims use since Mar. 1, 1925.

Ser. No. 544,082. M. GRUMBACHER, INC., New York, N. Y. Filed Dec. 11, 1947.

"MUSSINI"

Applicant claims ownership of Registration No. 159,363.
FOR ARTISTS' BRUSHES.
Claims use since Jan. 1, 1921.

Ser. No. 552,029. ADDIS LIMITED, Hertford, England. Filed Mar. 16, 1948.

WISDOM

Applicant claims ownership of United States Registration No. 435,756 and British Registration No. 549,172.
FOR TOOTHBRUSHES.

Ser. No. 554,748. SIDNEY A. WATTS, New York, N. Y. Filed Apr. 15, 1948. Under section 2f of the act of 1946.

DREW & SONS

FOR HAIR AND CLOTHES BRUSHES.
Claims use since Mar. 8, 1928.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 504,560. GEORG JENSEN INC., New York, N. Y. Original filed June 25, 1946, under the act of 1905; amended to application under act of 1946, Jan. 7, 1948. Under section 2f of the act of 1946.

GEORG JENSEN Inc.

The trade-mark consists of the combination of the representation of a fanciful crown surmounting the letters or initials GJ, in duplicate, so arranged that both letters G are outermost in the lower part of the combination, one pair of said initials GJ reading in reverse order, the above combination appearing above the following: "Georg Jensen Inc.," as shown in the drawing; the abbreviation "Inc." is disclaimed apart from the trade-mark. Applicant claims ownership of Registrations Nos. 293,530, 384,160, 384,539, and 384,540.

FOR GOODS MADE WHOLLY OR IN PART OF CHINAWARE OR PORCELAIN—NAMELY, PLATES, PLATTERS, CUPS, SAUCERS, COFFEE POTS, TEA POTS, CREAMERS, SUGAR BASINS, WATER PITCHERS, MILK JUGS, SAUCE BOATS, MUSTARD POTS, MARMALADE AND JELLY JARS, EGG CUPS, SALAD BOWLS, COOKIE JARS, SOUP BOWLS, TUREENS, CASSEROLES AND CHAFING DISHES.
Claims use since Jan. 20, 1940.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 528,560. DONALDSON COMPANY, INC., doing business as Donaldson Co., Inc., St. Paul, Minn. Filed July 14, 1947. Under section 2f of the act of 1946.

DONALDSON

FOR AIR CLEANERS FOR INTERNAL COMBUSTION ENGINES.
Claims use since 1915.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 532,064. SNEAD & COMPANY, Orange, Va. Filed Aug. 21, 1947.



FOR LIBRARY BOOKSTACKS.
Claims use since 1890.

Ser. No. 551,380. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y. Filed Mar. 6, 1948.

GRIFFINET

Applicant claims ownership of Registration No. 244,302.
FOR SHOE SHINE CABINETS.
Claims use since Dec. 5, 1927.

CLASS 33

GLASSWARE

Ser. No. 504,561. GEORG JENSEN INC., New York, N. Y. Original filed June 25, 1946, under the act of 1905; amended to application under act of 1946, Jan. 7, 1948. Under section 2f of the act of 1946.

GEORG JENSEN Inc.

The trade-mark consists of the combination of the representation of a fanciful crown surmounting the letters or initials GJ, in duplicate, so arranged that both letters G are outermost in the lower part of the combination, one pair of said initials GJ reading in reverse order, the above combination appearing above the following: "Georg Jensen Inc.," as shown in the drawing; the abbreviation "Inc." is disclaimed apart from the trade-mark. Applicant claims ownership of Registrations Nos. 293,530, 384,160, 384,539, and 384,540.
FOR GLASSWARE FOR DOMESTIC AND HOUSEHOLD USE—NAMELY, DRINKING GLASSES; FANCY GOODS MADE OF GLASS—NAMELY, BOWLS, SERVING TRAYS, DISHES, PLATTERS, VASES, DECANTERS, JARS, COASTERS AND ORNAMENTAL BOXES OR RECEPTACLES FOR GENERAL USE.
Claims use since Jan. 20, 1940.

Ser. No. 537,279. SEMON BACHE & COMPANY, New York, N. Y. Filed Oct. 9, 1947.

NEUTRALITE

Applicant claims ownership of Registration No. 178,654.
FOR MIRROR GLASS.
Claims use since June 1, 1923.

CLASS 35

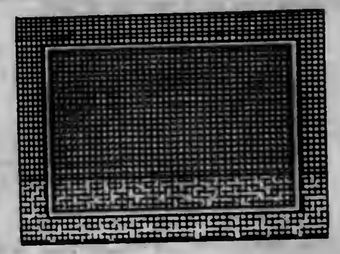
BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 551,602. CO-OPERATIVE INDUSTRIES, INC., Chester, N. J. Filed Mar. 11, 1948.

DURAFLEX

FOR FLEXIBLE METAL TUBING AND CONDUIT, USED AS A HOSE FOR CONFINING AND CONVEYING LIQUIDS, GASES, AND SOLIDS ENTRAINED IN LIQUIDS IN THE FORM OF A SUSPENSION OR AS DRY POWDER OR GRANULES CAPABLE OF FLOW SIMULATING LIQUID FLOW.
Claims use since Sept. 1, 1947.

Ser. No. 552,481. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed Mar. 19, 1948.



The drawing is lined to indicate black and yellow.
FOR WELDING HOSE.
Claims use since November 1946.

Ser. No. 552,905. VICTOR MANUFACTURING & GASKET CO., Chicago, Ill. Filed Mar. 24, 1948.

VICTOR

Applicant claims ownership of Registrations Nos. 104,240, 269,172, and 284,265.
FOR GASKETS AND PARTS THEREOF—NAMELY, SOFT METALLIC AND NONMETALLIC SEALING MEMBERS; TREATED AND UNTREATED PAPER, SHEET CORK, COMPRESSED ASBESTOS SHEETS, ASBESTOS MILL-BOARD SHEETS, FELT SHEETS AND STRIPS, SOFT-METAL SHEETS, AND STAMPINGS THEREFROM FOR MAKING SAID GASKETS AND SEALING MEMBERS; SHIMS AND STRIP SHIM STOCK; PACKING AND SHEET MATERIAL FOR MAKING THE SAME FOR MACHINERY JOINTS AND JOINTS IN CONTAINERS AND CONVEYORS OF GASES, FLUIDS, AND SEMIFLUIDS.
Claims use since Feb. 1, 1926.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 491,184. WINTER & COMPANY, INC., New York, N. Y., by merger with Winter & Company. Original filed Nov. 6, 1945, under the act of 1905; amended to application under act of 1946, Oct. 22, 1947.

"ALUMASONIC"

FOR PIANO PLATES TO WHICH THE PIANO STRINGS ARE ATTACHED.
Claims use since Oct. 1, 1945.

Ser. No. 491,187. WINTER & COMPANY, INC., New York, N. Y., by merger with Winter & Company. Original filed Nov. 8, 1945, under the act of 1905; amended to application under act of 1946, Oct. 20, 1947.

ALUMA WEIGHT

Applicant disclaims the word "Weight" except as used in connection with the mark as shown.
FOR PIANO PLATES TO WHICH THE PIANO STRINGS ARE ATTACHED.
Claims use since Oct. 1, 1945.

Ser. No. 526,972. STORY & CLARK PIANO COMPANY, Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

PRICE & TEEPLE

FOR PIANOS.
Claims use since Oct. 1, 1935.

Ser. No. 551,571. MARQUIS RECORDINGS, INC., Princeton, N. J. Filed Mar. 9, 1948.

MARQUIS RECORDINGS

The word "Recordings" and the representation of a label are disclaimed apart from the mark as shown.
FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS AND BLANK PHONOGRAPH RECORDS.
Claims use since Feb. 20, 1948.

CLASS 37

PAPER AND STATIONERY

Ser. No. 550,414. BERNARD HYMAN, doing business as Atlantic Pencil Company, New York, N. Y. Filed Feb. 24, 1948.

GRAPHIC

FOR COLORED LEAD PENCILS.
Claims use since June 18, 1940.

Ser. No. 552,614. TARENTUM PRODUCTS CORPORATION, Tarentum, Pa. Filed Mar. 20, 1948

JOLLY BUTCHER

The word "Butcher" is disclaimed apart from the mark as shown.
FOR WRAPPING PAPER AND PARTICULARLY BUTCHERS' WRAPPING PAPER.
Claims use since Mar. 1, 1948.

Ser. No. 554,933. THE WORKMAN MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 17, 1948.

WORKMAN

Applicant claims ownership of Registration No. 187,096.
FOR DEVICES FOR THE USE OF ACCOUNTANTS AND BOOKKEEPERS—NAMELY, FOR RULED, PARTIALLY PRINTED, AND BOUND BOOKS; LOOSE-LEAF SHEETS, SUCH SHEETS BEING BLANK SHEETS FOR RECEIVING WRITING AND EITHER RULED AND PRINTED OR RULED ONLY, AUTOMATIC SECTIONAL-POST BINDERS, AUTOMATIC SOLID-POST BINDERS, BANK-LEDGER SHEETS; BINDERS, SECTIONAL POST; BINDERS, SOLID POST; CASH-JOURNAL SHEETS, CASH-RECORD SHEETS, CHECK REGISTERS, COLUMNAR BINDERS, COLUMNAR RULED SHEETS, DENTISTS' LEDGER OUTFITS AND LEAVES, DUPLICATE MONTHLY STATEMENTS AND OUTFITS, END-LOCK SECTIONAL-POST BINDERS; FILING FOLDERS; GARAGE FORM, DUPLICATE STATEMENTS; GENERAL LEDGER SHEETS, IDEAL LEDGER SHEETS, LOOSE LEAF BINDER INDEXES, INVENTORY BLANKS; INVOICE BOOKS, JOURNAL SHEETS; BLANK LABELS, LEDGER SHEETS, MACHINE-POSTING METAL-TIP GUIDES, METAL-TIP FILING FOLDERS, METAL-TIP GUIDES, MONTHLY STATEMENTS (DUPLICATE), ORDER BLANKS, ORDER BOOKS, ORDER REGISTERS, STEEL LEDGER, STEEL-LEDGER OUTFITS, PAY-ROLL SHEET, PERPETUAL-STOCK-RECORD SHEET, PETTY-ACCOUNT SHEETS, PHYSICIANS' LEDGER OUTFITS AND LEAVES, PLAIN-TAB VERTICAL-FILE GUIDES, SECTIONAL-POST BINDERS, PRIVATE-LEDGER SHEET, PROFESSIONAL-LEDGER SHEETS AND OUTFITS, PRONG BINDER, QUICK-LOCK SOLID AND SECTIONAL POST BINDERS, RECAPITULATION SHEETS, RECORD BOOKS, SALES FOOTING AND CHECKING BOOK, SCREW-TOP SECTIONAL-POST BINDER, SECTIONAL-POST BINDERS, SECTIONAL POSTS, SELF-INDEXING LEDGER SHEETS AND OUTFITS, SILVER-CAP SECTIONAL-POST BINDERS, SOLID-POST BINDERS, SPRING-TOP POST BINDERS, STOCK-RECORD SHEETS, SUNDRY-ACCOUNT SHEETS, TAB CUT GUIDES, TAI'ERING-POST BINDERS, THREADED-POST STORAGE BINDERS, TOP-LOCK SECTIONAL-POST BINDERS, TRIAL-BALANCE SHEETS, VERTICAL-FILE GUIDES.
Claims use since Dec. 15, 1923.

Ser. No. 557,076. THE STANDARD DIARY COMPANY, Cambridge, Mass. Filed May 14, 1948.

School Pals

FOR BLANK AUTOGRAPH BOOKS.
Claims use since Apr. 9, 1948.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 498,245. MOORMAN MANUFACTURING COMPANY, Quincy, Ill. Original filed Mar. 14, 1946, under the act of 1905; amended to application under act of 1946, July 24, 1947. Under section 2f of the act of 1946.

Feed Facts

FOR PUBLICATION CONTAINING INFORMATIVE MATTER ISSUED PERIODICALLY EVERY FOUR WEEKS.
Claims use since July 1, 1942.

Ser. No. 510,277. THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa. Original filed Oct. 4, 1946, under the act of 1905; amended to application under act of 1946, Dec. 29, 1947.


IN THE OPEN

The portrait is that of Ries Tuttle.
FOR NEWSPAPER AND MAGAZINE FEATURE OR COLUMN PUBLISHED PERIODICALLY.
Claims use since Mar. 3, 1946.

Ser. No. 529,626. GENERAL MILLS, INC., Minneapolis, Minn. Filed July 26, 1947. Under section 2f of the act of 1946.

Betty Crocker

"Betty Crocker" is the name of a fictitious character.
Applicant claims ownership of Registration No. 387,272.
FOR PRINTED RECIPE CARDS.
Claims use since Nov. 29, 1939.

Ser. No. 539,264. BILL BROTHERS PUBLISHING CORPORATION, New York, N. Y. Filed Oct. 28, 1947. Under section 2f of the act of 1946.

RUG PROFITS

Applicant claims ownership of Registration No. 253,299.
FOR TRADE MAGAZINES AND PUBLICATIONS CIRCULATING AMONG THE TRADE INTERESTED IN RUGS AND FLOOR COVERINGS AND CONTAINING ARTICLES, EDITORIAL MATTER, AND ADVERTISEMENTS OF INTEREST TO SUCH TRADE.
Claims use since Sept. 15, 1928.

Ser. No. 536,485. QUINN PUBLISHING COMPANY, INCORPORATED, Kingston, N. Y. Filed May 7, 1948. Under section 2f of the act of 1946.

HANDI-BOOKS

The word "Books" is disclaimed.
FOR BOOKS.
Claims use since Sept. 15, 1941.

Ser. No. 557,741. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed May 25, 1948. Under section 2f of the act of 1946.

How to Build 20 BOATS

Applicant claims ownership of Registration No. 387,266.
FOR PUBLICATION APPEARING ANNUALLY OR IN APPROXIMATELY ANNUAL PERIODS.
Claims use since Nov. 22, 1935.

Ser. No. 560,600. THE BILLBOARD PUBLISHING CO., Cincinnati, Ohio, and New York, N. Y. Filed July 2, 1948.

TURNOVER

FOR MAGAZINE OR PERIODICAL PUBLISHED MONTHLY AND/OR OTHER INTERVALS.
Claims use since June 17, 1948.

CLASS 39

CLOTHING

Ser. No. 512,779. INTERNATIONAL DRESS COMPANY, INC., New York, N. Y. Original filed Nov. 18, 1946, under the act of 1905; amended to application under act of 1946, Mar. 8, 1948. Under section 2f of the act of 1946.

INTERNATIONAL Fashion

The word "Fashion" is disclaimed apart from the mark as shown.
FOR WOMEN'S AND MISSES' DRESSES.
Claims use since 1931.

Ser. No. 512,780. INTERNATIONAL DRESS COMPANY, INC., New York, N. Y. Original filed Nov. 18, 1946, under the act of 1905; amended to application under act of 1946, Mar. 8, 1948. Under section 2f of the act of 1946.

International JUNIOR Fashion

The words "Junior Fashion" are disclaimed apart from the mark as shown.
FOR WOMEN'S AND MISSES' DRESSES.
Claims use since 1931.

Ser. No. 522,399. L. GREIF & BRO., INC., Baltimore, Md. Original filed May 15, 1947, under the act of 1905; amended to application under act of 1946, Oct. 23, 1947. Under section 2f of the act of 1946.



The word "Weaves" is disclaimed apart from the mark as shown.

FOR TOPCOATS, OVERCOATS, COATS, VESTS, TROUSERS, AND KNICKERBOCKERS FOR MEN, YOUTHS, AND BOYS.

Claims use since April 1928.

Ser. No. 530,451. ADAMS-MILLIS CORPORATION, High Point, N. C. Filed Aug. 5, 1947.

A&M

FOR MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY.

Claims use since 1933.

Ser. No. 530,784. SWALLOW RAINCOATS LIMITED, Birmingham, England. Filed Aug. 7, 1947.

SWALLOW

Applicant claims ownership of United States Registration No. 352,953 and British Registrations Nos. 490,134 and 574,315.

FOR WOMEN'S AND GIRLS' OUTER GARMENTS, SUCH AS COATS, COSTUMES, WATERPROOF AND RAINPROOF COATS, AND MEN'S AND BOYS' SUITS, OVERCOATS, SPORT COATS, TROUSERS, AND WATERPROOF AND RAINPROOF COATS.

Ser. No. 530,850. THE ROYAL TAILORS INC., Chicago, Ill., assignor to Chicago Kahn Bros., Chicago, Ill., a corporation of Kentucky. Filed Aug. 8, 1947.



The word "Tailors" is disclaimed apart from the mark. Applicant claims ownership of Registration No. 238,044.

FOR MEN'S SUITS, VESTS, TROUSERS, AND VARIOUS TYPES OF COATS, AND FOR WOMEN'S SUITS, SKIRTS, SLACKS, AND VARIOUS TYPES OF COATS.

Claims use since November 1913.

Ser. No. 533,014. GENERAL HANDKERCHIEF CORPORATION, New York, N. Y. Filed Sept. 2, 1947.

BLUE RIBBON

FOR HANDKERCHIEFS AND SCARFS.

Claims use since Jan. 3, 1947.

Ser. No. 538,436. NEBEL KNITTING COMPANY, Charlotte, N. C. Filed Oct. 20, 1947. Under section 2f of the act of 1946.



The representations shown on the drawing are fanciful. Applicant claims ownership of Registration No. 189,444.

FOR LADIES' FULL FASHIONED AND SEAMLESS HOSIERY.

Claims use since Nov. 15, 1923.

Ser. No. 544,363. MARTIN'S, Brooklyn, N. Y. Filed Dec. 15, 1947. Under section 2f of the act of 1946.

martell

Applicant claims ownership of Registration No. 211,063.

FOR LADIES' HOSE, KNITTED UNDERWEAR, AND UNDERWEAR OF TEXTILE FABRIC, CORSETS, WAISTS, DRESSES, NECKWEAR—NAMELY, GUIMPES, COLLARS, TIES, AND JABOTS; NEGLIGEES; LEATHER, COTTON, AND SILK GLOVES OR GLOVES OF COMBINATIONS THEREOF; SWEATERS AND BATHING SUITS.

Claims use since December 1924.

Ser. No. 545,408. STYLEPARK HATS, INC., Philadelphia, Pa. Filed Dec. 24, 1947. Under section 2f of the act of 1946.

TEMPLEFORM

Applicant claims ownership of Registration No. 359,006.

FOR MEN'S AND BOYS' HATS OF FELT, STRAW, AND STRAW BRAID, CLOTH CAPS, MEN'S SILK HATS, AND FELT AND STRAW HATS FOR WOMEN AND CHILDREN.

Claims use since February 1937.

Ser. No. 547,249. AGNES ALICE ELKINS Elyria, Ohio. Filed Jan. 16, 1948.

Elkinette

FOR SLEEPING GARMENTS FOR INFANTS.

Claims use since Nov. 20, 1947.

Ser. No. 547,252. SALVATORE FRAGALE, doing business as H. S. Fragale, New York, N. Y. Filed Jan. 16, 1948.

CIBABA

FOR KNITTED WEAR AND INFANTS' SPORT WEAR—NAMELY, POLO SHIRTS, CARDIGANS, SUITS, BLOUSES, DRESSES, AND SWEATERS.

Claims use since Dec. 1, 1947.

Ser. No. 547,359. NORWICH KNITTING COMPANY, Norwich, N. Y. Filed Jan. 17, 1948. Under section 2f of the act of 1946.

Biarritz

Applicant claims ownership of Registrations Nos. 284,408 and 343,416.

FOR UNION SUITS, UNDERSHIRTS, DRAWERS, NEGLIGEE SHIRTS, POLO SHIRTS, OUTER-SHIRTS, KNIT JACKETS, BEACH ROBES, BEACH HALTERS, BEACH OVERALLS, PLAYSUITS, BEACH CAPES, AND SWEATERS FOR MEN, WOMEN, AND CHILDREN.

Claims use since Apr. 10, 1930.

Ser. No. 547,740. M. K. M. HOSIERY MILLS, INC., Boston, Mass. Filed Jan. 22, 1948.

Darlene

The drawing is lined for salmon pink. Applicant claims ownership of Registration No. 242,224.

FOR HOSIERY.

Claims use since 1933.

Ser. No. 547,925. MANCHESTER KNITTING MILLS, INC., New York, N. Y., and Manchester, Conn. Filed Jan. 24, 1948.



Polly Piqtails

FOR GIRLS' SWEATERS.

Claims use since July 31, 1947.

Ser. No. 548,083. JANTZEN KNITTING MILLS INC., Portland, Oreg. Filed Jan. 27, 1948. Under section 2f of the act of 1946.

Jantzen

Applicant claims ownership of Registrations Nos. 137,278, 213,637, 239,065, 389,613, 377,740, 397,876, 401,644, 418,710, 421,924, 421,925, and 428,625.

FOR MEN'S, WOMEN'S, AND CHILDREN'S APPAREL—NAMELY, SWIMMING SUITS, TRUNKS, SWEATERS, JERSEYS, SCARVES, GARMENT BELTS, GLOVES, MITTENS, SHOES, UNDERWEAR, TROUSERS, JACKETS, COATS, VESTS, HATS, CAPS, OUTER SHIRTS, OUTER SHORTS; SUITS AND OUTER SKIRTS FOR WOMEN AND CHILDREN; AND FOUNDATION GARMENTS, GIRDLES, AND BRASSIÈRES.

Claims use since January 1915.

Ser. No. 548,237. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Jan. 29, 1948.

REGIMENTALS

FOR NECKTIES.

Claims use since Oct. 21, 1947.

Ser. No. 548,302. BERNARD VIETES, doing business as Manor Craft Co., New York, N. Y. Filed Jan. 29, 1948.

POLLIWOGS

FOR CHILDREN'S BATHING SUITS, TRUNKS, AND PLAYSUITS, COTTON AND WOOLEN KNIT POLO SHIRTS, CARDIGANS, AND PANTS.

Claims use since Dec. 1, 1947.

Ser. No. 548,428. SWORMCO, Washington, D. C. Filed Jan. 30, 1948.

NAMELESS'

FOR INFANTS' SLEEPING GARMENTS.

Claims use since Nov. 23, 1947.

Ser. No. 548,727. GOODMAN & SUSS CLOTHES CORPORATION, New York, N. Y. Filed Feb. 4, 1948.

Clan-Shiel

Applicant claims ownership of Registration No. 235,081.
FOR SUITS AND TOPCOATS FOR MEN AND YOUNG MEN.
Claims use since April 1926.

Ser. No. 548,733. GOODMAN & SUSS CLOTHES CORPORATION, New York, N. Y. Filed Feb. 4, 1948.

Trans-Atlantic

Applicant claims ownership of Registration No. 218,167.
FOR SUITS AND OVERCOATS FOR MEN.
Claims use since May 1928.

Ser. No. 548,877. STORM FOOT HEALTH SHOES, INC., Wilmington, Del. Filed Feb. 5, 1948.

Utopians

FOR SHOES AND SLIPPERS.
Claims use since Oct. 17, 1947.

Ser. No. 549,248. GRADIS COMPANY, INC., New York, N. Y. Filed Feb. 10, 1948.

BRA-vellous!

The word "Bra" is disclaimed apart from the mark shown.
FOR COMBINATION UPLIFT BRA AND SLIP.
Claims use since Feb. 5, 1948.

Ser. No. 551,192. THE OLYMPIC GLOVE COMPANY, INC., New York, N. Y. Filed Mar. 4, 1948.

OLYMIZED

FOR PROTECTIVE APPAREL MADE OF FABRIC FOR INDUSTRIAL WORKERS, THE ARTICLES OF APPAREL BEING GLOVES, MITTENS, APRONS, CAPES, LEGGINGS, SPATS, JACKETS, TROUSERS, SUITS, TUBULAR MEMBERS WORN AS SLEEVES AND TROUSER LEGS, FINGER SHEATHS, TROUSERS MINUS THE SEAT PORTION AND HAND AND FOOT GUARDS COMPRISING A PAD WITH AN OPENING THERETHROUGH FOR THE INSERTION OF A LIMB, OR SAID PAD IS PROVIDED A LIMB-ENCIRCLING BAND OR STRING MEANS FOR ATTACHMENT TO A LIMB OF THE WEARER.
Claims use since Aug. 1, 1947.

Ser. No. 552,026. J. WEINIG & SON, New York, N. Y. Filed Mar. 15, 1948.

Demi-Sang

FOR FUR SCARFS, STOLES, JACKETS, CAPES, AND COATS.
Claims use since Feb. 3, 1948.

Ser. No. 552,269. HENRY FOLLAK, INC., New York, N. Y. Filed Mar. 18, 1948.

PARIBAL

FOR HAT BODIES.
Claims use since Feb. 9, 1948.

Ser. No. 554,471. HARRY CAMP MILLINERY COMPANY, San Francisco, Calif. Filed Apr. 13, 1948.

Noreen

FOR LADIES' HATS.
Claims use since Mar. 25, 1948.

Ser. No. 554,472. HARRY CAMP MILLINERY COMPANY, San Francisco, Calif. Filed Apr. 13, 1948.

Patrice

FOR LADIES' HATS.
Claims use since Mar. 25, 1948.

Ser. No. 554,596. PLAIKINS, INCORPORATED, New York, N. Y. Filed Apr. 14, 1948.

PLAIKRAWL

FOR CHILDREN'S CLOTHING—NAMELY, OVERALLS, ROMPERS, PLAY SUITS.
Claims use since Sept. 18, 1947.

Ser. No. 555,205. THE SPRINGS COTTON MILLS, Lancaster, S. C. Filed Apr. 21, 1948.

SPRINGKNIGHT

Applicant claims ownership of Registrations Nos. 303,762 and 433,899.
FOR HANDKERCHIEFS AND DIAPERS.
Claims use since Mar. 13, 1948.

Ser. No. 556,046. WINSOR MANUFACTURING COMPANY, Woonsocket, R. I. Filed May 1, 1948.

Lady Erin

The word "Erin" is disclaimed.
FOR HANDKERCHIEFS.
Claims use since September 1946.

Ser. No. 556,047. WINSOR MANUFACTURING COMPANY, Woonsocket, R. I. Filed May 1, 1948.

Lord Erin

The word "Erin" is disclaimed.
FOR HANDKERCHIEFS.
Claims use since Apr. 23, 1948.

Ser. No. 561,131. MILES SHOES INCORPORATED, New York, N. Y. Filed July 10, 1948.

Happy Mediums

Applicant claims ownership of Registration No. 380,830.
FOR SHOES, SLIPPERS, AND BOOTS OF LEATHER, FABRIC, ELASTIC, OR OF COMBINATIONS THEREOF; SPATS, HEELS, SHOE FINDINGS—NAMELY, HEELS, INNER AND OUTER SOLES, UPPERS, TONGUES, AND TOE CAPS, HOSIERY, MEN'S AND BOYS' UNDERWEAR.
Claims use since Mar. 27, 1940.

Ser. No. 562,804. PHILIPPINE EMBROIDERY CORP., New York, N. Y. Filed Aug. 4, 1948.

Pemae

FOR INFANT DRESSES, DRESS SETS, CHRISTENING SETS, INFANTS' GOWNS, DIAPER SHIRTS, GERTRUDES, CREEPERS, BOBBY SUITS, BOYS' DRESSES, TODDLER DRESSES, SUN SUITS, BIBS.
Claims use since July 20, 1948.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 497,891. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass. Original filed Mar. 8, 1945, under the act of 1905; amended to application unnder act of 1946, Sept. 20, 1947.

DOT SNAPPERS

The exclusive right to the use of the word "Snappers" is disclaimed apart from the mark shown. Applicant claims ownership of Registrations Nos. 121,544 and 127,721.
FOR SNAP FASTENERS.
Claims use since Dec. 1, 1938.

Ser. No. 513,592. SWEENEY AND KEPHART, Billings, Mont. Original filed Dec. 2, 1946, under the act of 1905; amended to application under act of 1946, Nov. 14, 1947.

"SKATING SHADOW!"

The word "Skating" is disclaimed apart from the mark.
FOR APPLIQUE WORKS IN THE NATURE OF DECORATIVE DESIGN FORMS OF FELT OR FABRIC FOR USE ON GARMENTS.
Claims use since July 31, 1946.

Ser. No. 519,250. R. O. BARRY CORPORATION, Columbus, Ohio, assignee of R. O. Barry Co. Original filed Mar. 19, 1947, under the act of 1905; amended to application under act of 1946, Nov. 5, 1947.

"Shoulda-Shams"

The applicant disclaims the exclusive right to the use of the syllable "Shoulda" except in connection shown.
FOR SHOULDER PADS.
Claims use since Mar. 7, 1947.

Ser. No. 563,205. MERTIN WAVE CLIP CO., INC., New York, N. Y. Filed Aug. 11, 1948.

DO-ALL

FOR NON-ELECTRICAL HAIR WAVERS AND HAIR CURLERS.
Claims use since Dec. 1, 1947.

Ser. No. 566,106. SHELTEX MANUFACTURING CO., Brooklyn, N. Y. Filed Sept. 29, 1948.

LeeAnn

FOR SEAMBINDING.
Claims use since July 21, 1947.

Ser. No. 566,093. CREED & STEWART, LTD., Aurora, Ill. Filed Oct. 8, 1948.

Mer-San

FOR BIAS BINDING TAPE.
Claims use since Sept. 13, 1948.

Ser. No. 569,388. MCCROAT STORES CORPORATION, New York, N. Y. Filed Nov. 24, 1948.

SANIMAID

Applicant claims ownership of Registrations Nos. 294,838 and 289,316.
FOR DRESS SHIELDS.
Claims use since Nov. 1, 1930.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 527,834. TALON, INC., Meadville, Pa. Filed July 5, 1947.

HOOKLESS

Applicant claims ownership of Registrations Nos. 198,412, 263,869, 270,509, 271,680, 272,191, and 274,250.
FOR PILLOW AND MATTRESS COVERS.
Claims use since June 17, 1947.

Ser. No. 533,511. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio. Filed Aug. 29, 1947.



FOR CLOTH (MADE OF NYLON, SILK, RAYON, COTTON, LINEN, METAL, AND OTHER TYPES OF FIBERS) FOR SALE BY THE BOLT, YARD, AND PIECE FOR USE BY SIGN WRITERS, SIGN PAINTERS, ARTISTS, AND SILK SCREEN PROCESSORS.
Claims use since Oct. 2, 1939.

Ser. No. 552,085. SASSOONS, INC., New York, N. Y. Filed Mar. 16, 1948.

SASSTEX

FOR CLOTH GOODS, BEING COTTON FABRICS IN THE PIECE.
Claims use since Sept. 24, 1947.

Ser. No. 552,086. SASSOONS, INC., New York, N. Y. Filed Mar. 16, 1948.





The English translation of the Arabic words appearing on the drawing is: first line, "The Strength of the Tiger"; second line, "We Guarantee Without Starch" and last line, "Ezra Sassoon Schayek," this Arabic wording being disclaimed apart from the mark.
FOR CLOTH GOODS, BEING COTTON FABRICS IN THE PIECE.
Claims use since Nov. 19, 1947.

Ser. No. 559,214. DAN RIVER MILLS, INCORPORATED, Danville, Va. Filed June 15, 1948.

DANCORD

Applicant claims ownership of Registrations Nos. 73,907, 418,048, 420,303, 427,091, and 435,334.
FOR CORDED COTTON FABRIC IN THE PIECE.
Claims use since June 3, 1948.

CLASS 43

THREAD AND YARN

Ser. No. 553,146. W. WARREN THREAD WORKS, INC., Westfield, Mass. Filed Mar. 26, 1948.

AGAWAM

Applicant claims ownership of Registration No. 162,658.
FOR SPOOL COTTON.
Claims use since 1900.

Ser. No. 555,456. SEWING SILKS LIMITED, Middlesex, England. Filed Apr. 27, 1949.



Applicant claims ownership of British Registration No. 574,523, dated Jan. 19, 1937.
FOR HAND KNITTING YARNS MADE FROM WOOL.
Claims use since May 1934.

Ser. No. 568,966. MCCROAT STORES CORPORATION, New York, N. Y. Filed Nov. 17, 1948.

ANITA-JEAN

Applicant claims ownership of Registrations Nos. 351,156, 356,049, 370,122, and 370,121.
FOR KNITTING YARN.
Claims use since Apr. 1, 1932.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 543,147. THE DENTISTS' SUPPLY COMPANY OF NEW YORK, New York, N. Y. Filed Dec. 3, 1947.

TRUBASE

FOR SHEET OR PLATE OF A RESINOUS COMPOSITION ADAPTED FOR FORMING INTO A TEMPORARY DENTAL PLATE USED IN PROSTHETIC DENTISTRY.
Claims use since September 1920.

Ser. No. 548,152. THE DIAMOND MATCH COMPANY, New York, N. Y. Filed Jan. 28, 1948.

THE GOLD MEDAL TOOTH PICK

The words "the," "Tooth," and "Pick" are disclaimed apart from the mark. Applicant claims ownership of Registration No. 163,673.
FOR TOOTHPICKS.
Claims use since 1904.

Ser. No. 549,150. INTERNATIONAL FOOT APPLIANCES LIMITED, London W. 1, England. Filed Feb. 9, 1948.

OMNIPED

Applicant claims ownership of British Registration No. 572,917, dated Nov. 10, 1936.
FOR FOOT ARCH SUPPORTS, METATARSAL PADS, ELASTIC FOOT CUSHIONS AND APPLIANCES FOR THE RELIEF OF CORNS, CALLOUSES, AND BUNIONS.

Ser. No. 549,396. THE L. D. CAULK COMPANY, Milford, Del. Filed Nov. 28, 1947.

Caulk

Applicant claims ownership of Registrations Nos. 149,307, 149,759, and 153,922.
FOR DENTAL SUPPLIES AND APPLIANCES—NAMELY, PORCELAIN FOR USE IN FILLING TEETH AND FOR PRODUCING DENTAL CROWNS AND INLAYS, FACING-FORMS, CROWN-FORMS, CELLULOID STRIPS, POLISHING-WHEELS, MANDRELS FOR POL-

ISHING-WHEELS, MATRIX-SPRINGS, INSTRUMENTS FOR MANIPULATING DENTAL PORCELAIN, MOUTH-PROPS, SPATULAS, LANCETS, COTTON-PLIERS, ALLOYS, INSTRUMENTS FOR MANIPULATING AMALGAM, AMALGAMS, BRIDGE AND INLAY CEMENT, CEMENTS FOR FILLING TEETH, PREPARATIONS FOR THE TREATMENT OF DENTAL ABSCESSES AND FOR CAPPING PULP AND NERVES, TEMPORARY STOPPING, POINTS FOR FILLING ROOT-CANALS, CAPS FOR TEMPORARILY CLOSING CAVITIES, DENTAL WAXES, CASTING INVESTMENTS, SOLDERING INVESTMENTS, WAX-TRAYS, DIE-PLATES FOR ARTIFICIAL TEETH, AND COCOA-BUTTER PREPARED FOR USE WITH FACING-FORMS, CROWN-FORMS, AND CELLULOID STRIPS AND OTHER LUBRICATING PURPOSES, DENTURE MATERIALS AND DENTAL ABSORBENTS, AND CAVITY-LINING AND SOLVENT THEREFOR.

Claims use since June 1898 on porcelain for use in filling teeth and for producing dental crowns and inlays; on instruments for manipulating dental porcelain since July 1911; on facing-forms and matrix-springs since April 1917; on polishing-wheels and mandrels therefor since April 1918; on mouth-props since February 1913; on crown-forms since December 1917; on celluloid strips since January 1916; on spatulas, lancets, and cotton-pliers since July 1919; on alloys since June 1898; on instruments for manipulating amalgam since October 1918; on amalgam since February 1917; on bridge and inlay cement and to cements for filling teeth since July 1907; on preparations for the treatment of dental abscesses and for capping pulp and nerves since January 1911; on temporary stopping and to points for filling root-canals since August 1908; on caps for temporarily closing cavities since May 1913; on dental waxes since August 1908; on casting investments since January 1915; on soldering investments since Sept. 18, 1919; on wax trays since June 1916; on die-plates for artificial teeth since October 1910; on cocoa-butter prepared for use with facing-forms, crown-forms, and celluloid strips and other lubricating purposes since November 1913; on cavity-lining and solvent therefor since June 1916; on dental absorbents since July 1935; and on denture materials since March 1939.

Ser. No. 549,397. THE COLUMBUS DENTAL MANUFACTURING CO., Columbus, Ohio. Filed Nov. 28, 1947.

Gloss Sticks

FOR IMPLEMENT FOR POLISHING TEETH.
Claims use since Oct. 31, 1910.

Ser. No. 552,306. DENSCO, INCORPORATED, Denver, Colo. Filed Dec. 1, 1947.

DENSCO

Applicant claims ownership of Registrations Nos. 295,447, 420,678, and 426,600.
FOR DENTAL HANDPIECE CONSISTING OF A DRIVER AND WRIST JOINT, STRAIGHT HAND PIECE, AND CONTRA ANGLE HAND PIECE.
Claims use since July 20, 1930.

Ser. No. 553,920. THE SEAMLESS RUBBER COMPANY, New Haven, Conn. Filed Apr. 5, 1948.

Applicant claims ownership of Registrations Nos. 203,307 and 322,816.
FOR ADHESIVE PLASTERS.
Claims use since Aug. 14, 1924.

Ser. No. 555,550. MASTER SURGICAL INSTRUMENT CORP., Irvington, N. J. Filed Apr. 24, 1948.



The representation of the surgical scissors is disclaimed apart from the mark. Applicant claims ownership of Registration No. 403,077.
FOR HEMOSTATIC FORCEPS, HOLDERS FOR SURGICAL NEEDLES, TISSUE FORCEPS, SKIN CLIPS, OPERATING SCISSORS, AND DISSECTING SCISSORS.
Claims use since Mar. 25, 1943.

Ser. No. 558,338. AMERICAN CYSTOSCOPE MAKERS, INC., New York, N. Y. Filed June 3, 1948.

WAPPLER

Applicant claims ownership of Registration No. 328,201.
FOR APPARATUS FOR SUPPLYING HIGH FREQUENCY CURRENTS AND ACCESSORIES THEREFOR FOR USE IN ELECTROSURGICAL PROCEDURES.
Claims use since 1933.

Ser. No. 561,675. LORENA LEWIS, New York, N. Y. Filed July 19, 1948.

MANIKURIA

FOR DECORATIVE FINGER NAIL COVERS.
Claims use since June 29, 1948.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 489,634. WONDER-ORANGE COMPANY, Chicago, Ill. Original filed Oct. 8, 1945, under the act of 1905; amended to application under act of 1946, May 18, 1948. Under section 2f of the act of 1946.

RUMMY

FOR NON-ALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK, AND COMPOUNDS, CONCENTRATES, AND SYRUPS FOR MAKING NON-ALCOHOLIC MALTLESS BEVERAGES TO BE SOLD AS SOFT DRINKS.
Claims use since Aug. 2, 1939.

Ser. No. 527,193. BLANKE-BAER EXTRACT & PRESERVING COMPANY, St. Louis, Mo. Filed July 5, 1947.



In this application, applicant makes no claim to the words "Good All The Way Down" apart from the mark shown. Applicant claims ownership of Registration No. 67,222.
FOR GINGER-ALE.
Claims use since Apr. 26, 1907.

Ser. No. 532,626. THE MOXIE COMPANY, Boston, Mass. Filed Aug. 27, 1947. Under section 2f of the act of 1946.

MOXIE

Applicant claims ownership of Registrations Nos. 62,295, 180,066, 304,192, and 417,549.
FOR NON-ALCOHOLIC, MALTLESS, CARBONATED BEVERAGE SOLD AS A SOFT DRINK AND SYRUP FOR MAKING THE SAME.
Claims use since Nov. 30, 1927, on said beverage; and since 1929 on said syrup.

Ser. No. 540,451. THE PERFECTION COMPANY, LTD., Waco, Tex. Filed Nov. 7, 1947.

PERK

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME.
Claims use since May 15, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 506,031. THE HALFHILL COMPANY, Los Angeles, Calif. Original filed July 22, 1946, under the act of 1905; amended to application under act of 1946, Dec. 6, 1947. Under section 2f of the act of 1946.

Halfhill's

Applicant claims ownership of Registration No. 310,602.
FOR CANNED FISH.
Claims use since 1903.

Ser. No. 511,614. HI-Q PRODUCTS CO., Chicago, Ill. Original filed Oct. 28, 1946, under the act of 1905; amended to application under act of 1946, Dec. 8, 1947.



The representation of a label apart from the mark "HI-Q" is disclaimed.
FOR CANNED FRUIT JUICES.
Claims use since Aug. 6, 1946.

Ser. No. 515,069. DONNA FRUIT COMPANY, Edinburg, Tex. Original filed Dec. 31, 1946, under the act of 1905; amended to application under act of 1946, Oct. 20, 1947.

TEXAS DON

No claim is made to the word "Texas" apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since October 1937.

Ser. No. 517,660. PARROTT & CO., San Francisco, Calif. Original filed Feb. 17, 1947, under the act of 1905; amended to application under act of 1946, Dec. 26, 1947.

LODI

Applicant claims ownership of Registration No. 215,051.
FOR CANNED FRUITS, CANNED VEGETABLES, AND CANNED TOMATO PASTE.
Claims use since May 1, 1917.

Ser. No. 519,079. NASH-DE CAMP COMPANY, Berkeley, Calif. Original filed Mar. 15, 1947, under the act of 1905; amended to application under act of 1946, Oct. 3, 1947.

CIMAS

The stippling is for shading only.
FOR FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, AND FRESH GRAPES.
Claims use since Sept. 7, 1938.

Ser. No. 528,944. OROWEAT BAKING CO., Los Angeles, Calif. Filed July 19, 1947.

OROWEAT

The representation of the girl shown on the drawing is fanciful. Applicant claims ownership of Registration No. 265,376.
FOR BREAD.
Claims use since May 10, 1937.

Ser. No. 532,250. A. E. PRUNER, Exeter, Calif. Filed Aug. 23, 1947.

RAINBOW'S END

FOR FRESH CITRUS FRUITS AND FRESH DECIDUOUS FRUITS.
Claims use since 1940.

Ser. No. 532,409. LESLIE SALT CO., Wilmington, Del. Filed Aug. 18, 1947. Under section 2f of the act of 1946.

Arden

Applicant claims ownership of Registration No. 203,979.
FOR SALT.
Claims use since July 1919.

Ser. No. 533,908. MAID OF CALIFORNIA MILK COMPANY, Vallejo, Calif. Filed Sept. 9, 1947.

Maid of California

The use of the word "California" is disclaimed apart from said trade-mark.
FOR BUTTER.
Claims use since Apr. 15, 1923.

Ser. No. 533,972. AUTH-LOFFLER, INC., Washington, D. C. Filed Sept. 10, 1947. Under section 2f of the act of 1946.

Auth's

The drawing is lined to indicate the color red. Applicant claims ownership of Registrations Nos. 398,862, 398,860, 398,861, 398,863, 398,864, and 398,865.
FOR SAUSAGES.
Claims use since 1902.

Ser. No. 533,985. BRISTOL BAY PACKING COMPANY, Seattle, Wash. Filed Sept. 10, 1947.

BALBOA

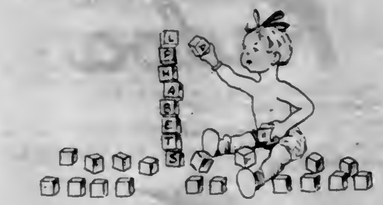
Balboa is the name of the famous Spanish explorer and discoverer of Pacific Ocean. Applicant claims ownership of Registration No. 376,580.
FOR CANNED SALMON.
Claims use since Apr. 2, 1918.

Ser. No. 534,294. THOMAS J. LIPTON, INC., Hoboken, N. J. Filed Sept. 12, 1947.



The words "Drink Lipton Tea For That Flavor-Lift" are disclaimed apart from the mark.
FOR TEA.
Claims use since July 14, 1947.

Ser. No. 534,318. C. F. MUELLER CO., Jersey City, N. J., now by merger C. F. Mueller Company, a corporation of Delaware. Filed Sept. 12, 1947.



The representation of the child is fanciful. The word "Alphabets" is disclaimed.
FOR ALIMENTARY PASTES.
Claims use since July 14, 1947.

Ser. No. 536,187. VAN DUSEN HARRINGTON CO., Minneapolis, Minn. Filed Sept. 29, 1947.

KUBO

Applicant claims ownership of Registration No. 398,702.
FOR WHEAT FLOUR.
Claims use since April 1934.

Ser. No. 537,792. EAST WHITTIER CITRUS ASSOCIATION, Whittier, Calif. Filed Oct. 14, 1947.

ECONOMY

FOR FRESH CITRUS FRUITS.
Claims use since 1916.

Ser. No. 541,247. WINSTON AND NEWELL COMPANY, doing business as Charles Hewitt & Sons Co., Wilmington, Del., and Minneapolis, Minn. Filed Nov. 14, 1947, under section 2f of the act of 1946.

FULLA-FRUIT

The word "Fruit" is disclaimed apart from the mark shown.
FOR CANNED FRUITS—NAMELY, APRICOTS, PEARS, AND PEACHES.
Claims use since Aug. 31, 1925.

Ser. No. 544,246. PLANADA PACKERS, Planada, Calif. Filed Dec. 15, 1947.

Kadoa

FOR CANNED FRUITS—NAMELY, FIGS.
Claims use since Oct. 1, 1926.

Ser. No. 544,401. TAYLOR & SLEDD, INC., Richmond, Va. Filed Dec. 15, 1947.

Mount Stirling

FOR CANNED PEAS AND CANNED PEACHES.
Claims use since Oct. 18, 1944 on canned peas; and Nov. 29, 1947 on canned peaches.

Ser. No. 544,844. BOWERS BROTHERS, INC., Richmond, Va. Filed Dec. 19, 1947. Under section 2f of the act of 1946.

HENRICO

Applicant claims ownership of Registration No. 413,382.
FOR BLEND OF COFFEE AND CHICORY.
Claims use since Mar. 3, 1913.

Ser. No. 544,945. W. & S. PACKING COMPANY, Salinas, Calif. Filed Dec. 19, 1947.

RAFTER

FOR FRESH VEGETABLES.
Claims use since Dec. 5, 1947.

Ser. No. 545,470. J. W. FURMAN COMPANY, Northumberland, Pa. Filed Dec. 28, 1947. Under section 2f of the act of 1946.

FURMAN'S

FOR CANNED VEGETABLES.
Claims use since 1921.

Ser. No. 546,179. THE BAMA COMPANY, Birmingham, Ala. Filed Jan. 5, 1948.

TEXALA

FOR FRUIT PRESERVES, JAMS, JELLIES, APPLE BUTTER, PEANUT BUTTER, MAYONNAISE, SALAD DRESSING, AND RELISH SPREAD.
Claims use since Nov. 10, 1939.

Ser. No. 547,434. M. S. DODD, San Francisco, Calif. Filed Jan. 19, 1948.

LAKE RIDGE

FOR FRESH DECIDUOUS FRUITS.
Claims use since 1934.

Ser. No. 547,987. FRESNO GRAPE DISTRIBUTORS, INC., Beverly Hills, and Fresno, Calif. Filed Jan. 26, 1948.

Cinderella

Applicant claims ownership of Registration No. 193,752.
FOR FRESH GRAPES, PLUMS, AND NECTARINES.
Claims use since Apr. 19, 1924.

Ser. No. 547,988. FRESNO GRAPE DISTRIBUTORS, INC., Beverly Hills and Fresno, Calif. Filed Jan. 26, 1948.

Mona

Applicant claims ownership of registration No. 308,711.
FOR FRESH GRAPES, PLUMS AND NECTARINES.
Claims use since July 1, 1931.

Ser. No. 548,020. MEYER SCHUMAN CO., also doing business as Schuman Farms, Beverly Hills and Watsonville, Calif., and Chicago, Ill. Filed Jan. 26, 1948.

TOP ROW

Applicant claims ownership of Registration No. 336,888.
FOR FRESH VEGETABLES.
Claims use since Feb. 26, 1936.

Ser. No. 548,025. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Jan. 26, 1948.

FRUIT BURST

The term "Fruit" is disclaimed.
FOR GELATIN DESSERTS.
Claims use since Dec. 30, 1947.

Ser. No. 548,029. A. T. VILLARD, Blythe, Calif. Filed Jan. 26, 1948.

Min-e-vita

FOR FRESH VEGETABLES.
Claims use since Dec. 29, 1947.

Ser. No. 548,049. CALIFORNIA FRUIT EXCHANGE, Sacramento, Calif. Filed Jan. 27, 1948.

OWL



FOR FRESH GRAPES.
Claims use since 1910.

Ser. No. 548,175. THE ORDER OF ST. BENEDICT OF FLORIDA, St. Leo, Fla. Filed Jan. 28, 1948.

ST. LEO ABBEY

FOR FRESH CITRUS FRUITS.
Claims use since Sept. 25, 1902.

Ser. No. 548,445. ZENITH-GODLEY CO. INC., New York, N. Y. Filed Jan. 30, 1948.

SPRING BRANCH

FOR BUTTER.
Claims use since 1927.

Ser. No. 548,548. UPLAND HEIGHTS ORANGE ASSOCIATION, Upland, Calif. Filed Jan. 31, 1948.

MIRAMONTE

FOR FRESH CITRUS FRUITS.
Claims use since 1913.

Ser. No. 548,555. YECKES-EICHENBAUM, INC., New York, N. Y. Filed Jan. 31, 1948.

WOOZIE — WOOZIE

Applicant claims ownership of Registration No. 348,572.
FOR FRESH VEGETABLES, FRESH DECIDUOUS FRUITS, AND FRESH CITRUS FRUITS.
Claims use since October 1934.

Ser. No. 548,659. ROSS R. LANG, Buffalo, N. Y. Filed Feb. 3, 1948.



FOR PREPARED CAKE MIXTURES.
Claims use since Aug. 15, 1935.

Ser. No. 548,874. J. L. SMILEY & CO., Seattle, Wash. Filed Feb. 5, 1948.

Tennis

Applicant claims ownership of Registration No. 107,019.
FOR CANNED SALMON.
Claims use since Apr. 9, 1915.

Ser. No. 566,070. FLAVOR-LINE, INC., Chicago, Ill. Filed Sept. 29, 1948.

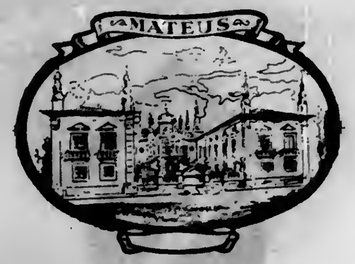
F - L

FOR COAGULATORS AND INTENSIFIERS, THE COAGULATORS COMPRISING A MILK COAGULANT PREPARATION CONTAINING PROTEOLYTIC ENZYMES, SOLUBLE CALCIUM SALT, SODIUM CHLORIDE, DI-KETONE, AND WATER USED IN THE DAIRY INDUSTRY FOR COAGULATING MILK IN THE MANUFACTURE OF COTTAGE AND OTHER SOFT CHEESES; THE INTENSIFIERS COMPRISING AN ARTIFICIAL BUTTER FLAVORING PREPARATION FOR INTENSIFYING THE NATURAL FLAVOR AND AROMA OF BUTTER AND USED ALSO IN OTHER FOOD PREPARATIONS FOR IMPARTING THERETO A BUTTER-LIKE FLAVOR.
Claims use since Sept. 13, 1948.

CLASS 47

WINES

Ser. No. 507,029. SOCIEDADE COMERCIAL DOS VINHOS DE MESA DE PORTUGAL, LIMITADA, Oporto, Portugal. Original filed Aug. 7, 1946, under the act of 1905; amended to application under act of 1946, July 23, 1948.



Applicant claims ownership of Portuguese Registration No. 59,039, dated Nov. 23, 1944.
FOR WINES.

Ser. No. 514,107. R. U. DELAFENHA & CO., INC., New York, N. Y. Original filed Dec. 12, 1946, under the act of 1905; amended to application under act of 1946, Sept. 8, 1947.

FORTIER-PICARD

FOR WINES.
Claims use since Mar. 10, 1934.

Ser. No. 551,556. GARRETT & COMPANY, INC., Brooklyn, N. Y. Filed Mar. 9, 1948. Under section 2f of the act of 1946.

GARRETT'S

Applicant claims ownership of Registrations Nos. 375,080, 379,082, and 434,147.
FOR WINES.
Claims use since 1866.

Ser. No. 551,557. GARRETT & COMPANY, INC., Brooklyn, N. Y. Filed Mar. 9, 1948. Under section 2f of the act of 1946.

PAUL GARRETT

The trade-mark is not the name of any living individual, being the name of the person who founded Garrett & Company, the predecessor in title to the applicant herein, now deceased. Applicant claims ownership of Registrations Nos. 434,147, 375,080, and 379,082.
FOR WINES.
Claims use since 1866.

Ser. No. 554,832. STOCK PRODUCTS, INC., Woodside, N. Y. Filed Apr. 16, 1948.

EGROY

The drawing is lined for shading only.
FOR WINE BEVERAGE COMPRISING WINE AND EGGS.
Claims use since Sept. 1, 1947.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 538,443. OLAND & SON LTD., Halifax, Nova Scotia, Canada. Filed Oct. 20, 1047.

FOR ALE AND STOUT.
Claims use since June 1, 1946.

Ser. No. 543,733. PABST BREWING COMPANY, Milwaukee, Wis. Filed Dec. 8, 1947.

Blue Ribbon

Applicant claims ownership of Registrations Nos. 34,379, 57,999, 169,597, 192,164, 228,282, 285,860, and 314,440.
FOR BEER.
Claims use since January 1896.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 553,830. ESBECO DISTILLING CORPORATION, Stamford, Conn. Filed Apr. 5, 1948. Under section 2f of the act of 1946.

Old Westbury Club

Applicant claims ownership of Registration No. 346,320.
FOR WHISKEY.
Claims use since July 26, 1934.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 533,316. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio. Filed Aug. 29, 1947.



FOR SILK SCREEN OUTFIT CONTAINING VARIOUS PAINTS, SILK SCREEN, PRINTING FRAME, PRINTING BASE, SQUEEGEE, STENCIL KNIFE, INSTRUCTOR HANDBOOK, GLUE, SHELLAC, AND OTHER MATERIALS REQUIRED IN THE SILK SCREEN PROCESS FOR PREPARING SIGNS AND OTHER ADVERTISING MATERIALS.
Claims use since June 1941.

Ser. No. 540,397. ESSEX RUBBER COMPANY, Trenton, N. J. Filed Nov. 7, 1947.

TIRE TRED

Applicant claims ownership of Registration No. 274,510.
FOR RUBBER AND COMPOSITION MATERIAL IN SHEET FORM FROM WHICH TOP LIFTS ARE CUT FOR SHOE HEELS.
Claims use since June 4, 1929.

Ser. No. 546,955. CERTIFIED DRY MAT CORPORATION, New York, N. Y. Filed Jan. 14, 1948.

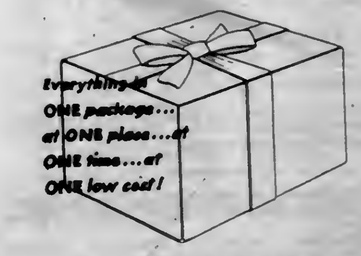
ACE-HI

Applicant claims ownership of Registration No. 291,694.
FOR MATRIX, DRY MAT, OR BOARD USED IN STEREOTYPING OR ELECTROTYPING.
Claims use since Mar. 31, 1944.

CLASS 55

SERVICES

Ser. No. 494,500. GENERAL FINANCE CORPORATION, Chicago, Ill. Original filed Jan. 9, 1946, under the act of 1905; amended to application under act of 1946, July 5, 1947. SERVICE MARK.



FOR FINANCE AND LOAN SERVICES IN CONNECTION WITH AUTOMOBILE PURCHASE FINANCING.
Claims use since November 1944.

Ser. No. 500,762. INDEPENDENT TANKSHIPS, INC., San Francisco, Calif. Filed July 6, 1948. SERVICE MARK.
The drawing is lined for the color yellow.



FOR MARITIME TRANSPORTATION OF GOODS IN FOREIGN AND DOMESTIC COMMERCE.
Claims use since June 10, 1948.

Ser. No. 560,804. GENERAL ELECTRIC CREDIT CORPORATION, New York, N. Y. Filed July 7, 1948. SERVICE MARK. The mark consists of the letters G E C C.

GECC

FOR FINANCING TIME SALE CONTRACTS AND WHOLESALE PURCHASES.
Claims use since 1937.

Ser. No. 561,445. BRITISH OVERSEAS AIRWAYS CORPORATION, London, England. Filed July 15, 1948. SERVICE MARK.



FOR PASSENGER AND FREIGHT AIR TRANSPORTATION SERVICES.
Claims use since Oct. 25, 1932.

Ser. No. 561,446. BRITISH OVERSEAS AIRWAYS CORPORATION, London, England. Filed July 15, 1948. SERVICE MARK.

SPEEDBIRD

FOR PASSENGER AND FREIGHT AIR TRANSPORTATION SERVICES.
Claims use since Oct. 25, 1932.

Ser. No. 567,057. THE UNITED PIECE DYE WORKS, Lodi, N. J., and New York, N. Y. Filed Oct. 15, 1948. SERVICE MARK.

UNIDYE

FOR DYEING AND TREATING AND FINISHING FABRICS TO RENDER THE SAME CREASE-RESISTANT AND TO PREVENT FADING.
Claims use since Apr. 12, 1948.

Ser. No. 570,461. CHAMPION TEXTILE FINISHING COMPANY, Chicago, Ill. Filed Apr. 22, 1948. SERVICE MARK.

WEATHER MASTER

FOR THE TREATMENT OF HEAVY CANVAS TO RENDER SAME WATERPROOF AND MILDEW-PROOF COMPRISING THE APPLICATION OF HEAVY COATINGS OF WAXES, PIGMENTS, AND FILLERS.
Claims use since Feb. 6, 1947.

Ser. No. 574,074. ABC LAUNDRY, Washington, D. C. Filed Feb. 18, 1949. SERVICE MARK.

ABC

FOR LAUNDERING AND DRY CLEANING SERVICES.
Claims use since October 1939.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

442,717. SHOES MADE OF LEATHER OR FABRIC AND/OR ANY COMBINATION THEREOF. CANNON SHOE COMPANY, Baltimore, Md.
Filed Oct. 16, 1944, Serial No. 475,356. Published Apr. 27, 1948. Class 39.

442,718. LADIES' COATS AND SUITS. ALFRED LEON, doing business as Hollywood Fashions, Los Angeles, Calif.
Filed May 3, 1945, Serial No. 482,934. Published Feb. 19, 1946. Class 39.

442,719. CHILDREN'S AND LITTLE MISSES' BOOTIES, MITTENS, SOCKS, COTTON PANTS, RAYON PANTS, ETC. HENNY HAT INCORPORATED, New York, N. Y.
Filed July 30, 1945, Serial No. 486,486. Published Jan. 25, 1949. Class 39.

442,720. POWDERED MILK. NESTLE'S MILK PRODUCTS, INC., New York, N. Y., now by change of name The Nestle Company, Inc., a corporation of New York.
Filed Nov. 27, 1945, Serial No. 492,273. Published Mar. 26, 1946. Class 46.

442,721. WOMEN'S AND YOUNG MISSES' EVENING GOWNS, HOSTESS GOWNS, DRESSES, AND SUITS FOR ORDINARY STREET WEAR. MARTINI FROCKS, New York, N. Y.
Filed Nov. 28, 1945, Serial No. 492,329. Published July 22, 1947. Class 39.

442,722. MISSES' AND WOMEN'S LINGERIE—NAMELY, NIGHT GOWNS OF WOVEN RAYON FABRICS. STILLMAN & KAGAN INC., New York, N. Y.
Filed Nov. 30, 1945, Serial No. 492,474. Published Jan. 18, 1949. Class 39.

442,723. MATERNITY APPAREL CONSISTING OF DRESSES, SLIPS, BLOOMERS, TOPPERS, LOUNGING ROBES, HOUSECOATS, GIRDLES, BRASSIÈRES, AND NIGHTGOWNS. GILBERT SEALFON AND DOROTHY LOEB, New York, N. Y., assignors to Maternally Yours, Inc., New York, N. Y., a corporation of New York.
Filed Dec. 6, 1945, Serial No. 492,796. Published Sept. 28, 1948. Class 39.

442,724. MEN'S SUITS, STUDENTS' SUITS AND SPORT COATS. SEWELL MANUFACTURING COMPANY, Bremen, Ga.
Filed Jan. 17, 1946, Serial No. 494,929. Published Aug. 24, 1948. Class 39.

442,725. WHEELED CABINET FOR RETAINING THEREIN CARD TABLES AND EMBODYING SHELVES ON WHICH GAME ACCESSORIES, ETC., ARE STORED. HUGH J. GAULEY, San Francisco, Calif.
Filed May 23, 1946, Serial No. 502,635. Published Jan. 18, 1949. Class 32.

442,726. FLOOR WAX. SANITEX PRODUCTS COMPANY, Los Angeles, Calif., assignor to Sanitex Products, Inc., Los Angeles, Calif.
Filed May 25, 1946, Serial No. 502,769. Published Feb. 8, 1949. Class 16.

442,727. CHILDREN'S APPAREL—NAMELY, BIB OVERALLS. THE BLOOM BROTHERS MANUFACTURING CO., Kansas City, Mo.
Filed Aug. 1, 1946, Serial No. 506,637. Published May 25, 1948. Class 39.

442,728. CANDIES. DUTCH MILL CANDY CO., Chicago, Ill.
Filed Aug. 2, 1946, Serial No. 506,740. Published Feb. 8, 1949. Class 46.

442,729. SHOES. NIEMAN'S, Oklahoma City, Okla.
Filed Aug. 26, 1946, Serial No. 508,357. Published Jan. 25, 1949. Class 39.

442,730. BRIDAL GOWNS. CLAUDIA GLENN, Denver, Colo.
Filed Oct. 4, 1946, Serial No. 510,248. Published Feb. 15, 1949. Class 39.

442,731. LADIES' CHEMISES, PANTIES, PAJAMAS, DRESSES, SLIPS, ETC. I. SCHNEIERSON & SONS, INC., New York, N. Y.
Filed Oct. 16, 1946, Serial No. 510,976. Published Jan. 18, 1949. Class 39.

442,732. WOMEN'S SHOES MADE FROM LEATHER, FABRIC, COMPOSITION MATERIAL, PLASTICS, OR COMBINATIONS OF SUCH MATERIALS. M. J. SAKS SHOE CORP., New York, N. Y.
Filed Nov. 2, 1946, Serial No. 511,063. Published Feb. 15, 1949. Class 39.

442,733. MEN'S, WOMEN'S, AND CHILDREN'S SWIMSUITS, COATS, ETC. GANTNER & MATTERN COMPANY, San Francisco, Calif.
Filed Nov. 25, 1946, Serial No. 513,175. Published Jan. 18, 1949. Class 39.

442,734. CHOW MEIN NOODLES, SOY SAUCE (CHOP SUEY SAUCE), BAMBOO SHOOTS, CHOP SUEY VEGETABLES, WATER CHESTNUTS, BEAN SPROUTS, AND BEAD MOLASSES. MIN SUN TRADING COMPANY, Chicago, Ill.
Filed Dec. 20, 1946, Serial No. 514,516. Published Feb. 8, 1949. Class 46.

442,735. MAGAZINE. NATIONAL ASSOCIATION OF COUNTY OFFICIALS, Wilmington, Del., and Washington, D. C.
Filed Jan. 16, 1947, Serial No. 515,847. Published Jan. 20, 1948. Class 38.

442,736. FRESH CARROTS. MCSWEENY BROS., Temecula, Calif.
Filed Feb. 24, 1947, Serial No. 518,023. Published Oct. 5, 1948. Class 46.

442,737. CANVAS SEALER FOR SEALING AND UNDERCOATING CANVAS DECKS ON TRAILERS, TRUNKS, AND BOATS, ETC. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed Mar. 5, 1947, Serial No. 518,559. Published Feb. 8, 1949. Class 16.

442,738. ICE CREAM. MARTHA WASHINGTON ICE CREAM CORPORATION, Bloomfield N. J.
Filed Mar. 20, 1947, Serial No. 519,824. Published Feb. 8, 1949. Class 46.

442,739. SWIM CAPS AND BABY PANTS. DANDON SALES, INC., New York, N. Y.
Filed Apr 22, 1947, Serial No. 521,115. Published Feb. 15, 1949. Class 39.

442,740. PERIODICAL MAGAZINE OF FICTIONAL CHARACTER, AND FOR GENERAL CIRCULATION. CENTURY PUBLICATIONS, Chicago, Ill.
Filed May 3, 1947, Serial No. 521,796. Published Feb. 8, 1949. Class 38.

442,741. GREETING CARDS, PRINTED GREETING FOLDERS, CALENDARS, PRINTED DECORATIVE TAGS, AND PRINTED SEALS. NORCROSS, INC., New York, N. Y.
Filed May 8, 1947, Serial No. 522,061. Published Feb. 8, 1949. Class 38.

442,742. MEN'S TROUSERS AND SLACKS. Sonnesorn & Young, Incorporated, Gary, Ind.
Filed May 27, 1947, Serial No. 523,158. Published July 20, 1948. Class 39.

442,743. WORK PANTS AND WORK SHIRTS. J. H. Churchwell Company, Jacksonville, Fla.
Filed June 18, 1947, Serial No. 524,374. Published Jan. 25, 1949. Class 39.

442,744. PREPARED MUSTARD. The Frank Tea & Spice Company, Cincinnati, Ohio.
Filed June 24, 1947, Serial No. 524,696. Published Feb. 8, 1949. Class 46.

442,745. WOMEN'S WASH DRESSES. Ben Rosenstein, New York, N. Y.
Filed July 2, 1947, Serial No. 525,682. Published Jan. 18, 1949. Class 39.

442,746. OUTER SHIRTS. Dixie Shirt Company, Inc., Spartanburg, S. C.
Filed July 3, 1947, Serial No. 525,798. Published Feb. 1, 1949. Class 39.

442,747. SPORT SHIRTS, PAJAMAS, AND NECKTIES. Phillips-Jones Corporation, New York, N. Y.
Filed July 3, 1947, Serial No. 525,943. Published Feb. 22, 1949. Class 39.

ACT OF 1920

These registrations are not subject to opposition.

442,748. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) Moriarty Manufacturing Co., Kenosha, Wis. Filed Nov. 24, 1945. Serial No. 492,151.

Easy Up

FOR CURTAIN RODS.
Claims use since June 1, 1935.

442,749. (CLASS 30. CLOTHING.) Evanston Sales Company, Evanston, Ill. Filed Feb. 26, 1947, Serial No. 518,135.

Kay Campbell's

FOR WOMEN'S, MISSES', AND GIRLS' BLOUSES, SKIRTS, SWEATERS, UNDERPANTS, SLIPS, HALF-SLIPS, UNDERSKIRTS, NIGHTGOWNS AND PAJAMAS, DRESSES, COATS, SUITS, BRASSIÈRES, GIRDLES, LEATHER AND FABRIC GLOVES, SWIMMING SUITS, SLACKS AND SLACK SUITS, LOUNGING AND BEACH ROBES, PLAY DRESSES AND PLAYSUITS.
Claims use since August 1941.

442,750. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) Richgrove-Jasmine Citrus Association, Richgrove, Calif. Filed Mar. 25, 1947. Serial No. 519,539.

BONAFIDE

FOR FRESH CITRUS FRUITS.
Claims use since Nov. 25, 1927.

442,751. (CLASS 39. CLOTHING.) Irving Landes, doing business as Lander's Shoes, Philadelphia, Pa. Filed May 8, 1947, Serial No. 522,069.

Comfort Stride

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES.
Claims use since June 10, 1945.

ACT OF 1946, PRINCIPAL REGISTER

510,008. FOUNDATION GARMENTS. Norma Hat Mounce, Chicago, Ill.
Original filed Nov. 6, 1944, under the act of 1905; amended to application under act of 1946, Sept. 22, 1947, Serial No. 476,169. Published Jan. 25, 1949. Class 39.

510,009. CHILDREN'S COATS, SUITS, DRESSES, SOCKS, CHILDREN'S NIGHTGOWNS, ETC. The Hobby House, Long Beach, Calif.
Original filed Mar. 6, 1945, under the act of 1905; amended to application under act of 1946, Aug. 5, 1947, Serial No. 480,542. Published Feb. 1, 1949. Class 39.

510,010. SCARF HEADPIECE. The Kentucky Looms, Inc., Louisville, Ky.
Original filed Sept. 27, 1945, under the act of 1905; amended to application under act of 1946, Sept. 28, 1948, Serial No. 489,073. Published Feb. 8, 1949. Class 39.

510,011. REMOVABLE TOPS FOR CARD TABLES AND THE LIKE, ETC. T-Top Company, Salem, Mass.
Original filed Nov. 5, 1945, under the act of 1905; amended to application under act of 1946, Sept. 30, 1947, Serial No. 491,141. Published Feb. 8, 1949. Class 32.

510,012. BOYS' SUITS, PANTS, TOPCOATS, LEGGING SETS, AND SPORT COATS. Boyd-Richardson Company, St. Louis, Mo.
Original filed Jan. 14, 1946, under the act of 1905; amended to application under act of 1946, Aug. 19, 1947, Serial No. 494,736. Published Feb. 15, 1949. Class 39.

510,013. LADIES' GLOVES, MADE OF LEATHER, FABRIC, OR A COMBINATION OF BOTH. Acme Glove Corporation, Gloversville, N. Y.
Original filed Jan. 15, 1946, under the act of 1905; amended to application under act of 1946, Sept. 8, 1947, Serial No. 494,766. Published Jan. 18, 1949. Class 39.

510,014. DISPLAY STANDS. Archie Lewy, doing business as The Display House, Philadelphia, Pa.
Original filed Feb. 27, 1946, under the act of 1905; amended to application under act of 1946, July 11, 1947, Serial No. 497,314. Published Feb. 15, 1949. Class 32.

510,015. PRINTED PERIODICAL PUBLICATIONS—NAMELY, MAGAZINES. Free Enterprise Publishing Company, Inc., Seattle, Wash., assignee of Free Enterprise Publishing Company, assignor to Henry J. Jilg, doing business as Free Enterprise Company, Seattle, Wash.
Original filed May 17, 1946, under the act of 1905; amended to application under act of 1946, July 28, 1947, Serial No. 502,284. Published Feb. 15, 1949. Class 38.

510,016. SHOES MADE OF LEATHER OR FABRIC, OR COMBINATIONS THEREOF. The Schiff Company, Columbus, Ohio, now by change of name Shoe Corporation of America, a corporation of Ohio.
Original filed June 15, 1946, under the act of 1905; amended to application under act of 1946, Sept. 8, 1947, Serial No. 503,997. Published Jan. 18, 1949. Class 39.

510,017. LIQUID PAINT ENAMEL. No-Enamel Corporation, Chicago, Ill.
Original filed Nov. 6, 1946, under the act of 1905; amended to application under act of 1946, Oct. 20, 1947, Serial No. 512,130. Published Feb. 8, 1949. Class 16.

510,018. MEN'S SHOES. The Schiff Company, Columbus, Ohio, now by change of name Shoe Corporation of America, a corporation of Ohio.
Original filed Nov. 3, 1946, under the act of 1905; amended to application under act of 1946, Aug. 29, 1947, Serial No. 512,537. Published Jan. 18, 1949. Class 39.

510,019. SOLVENT SOLUTIONS OF SYNTHETIC RESINS FOR PROTECTIVE COATINGS ON MACHINERY AND TANK LININGS. United States Rubber Company, New York, N. Y.
Original filed Dec. 14, 1946, under the act of 1905; amended to application under act of 1946, Aug. 5, 1948, Serial No. 514,314. Published Feb. 8, 1949. Class 16.

510,020. WOMEN'S OUTER MATERNITY GARMENTS—NAMELY, SUITS, SLACK SUITS, CULOTTE SUITS, DRESSES, JUMPERS, SEPARATE SKIRTS, SLACKS, JACKETS, CULOTTES, SHORTS, AND PEDAL PUSHERS. Alex Greenwald, doing business as Stork-Wise Fashions, Los Angeles, Calif.
Original filed Jan. 13, 1947, under the act of 1905; amended to application under act of 1946, Dec. 5, 1947, Serial No. 515,659. Published Feb. 1, 1949. Class 39.

510,021. LADIES', MISSES', AND CHILDREN'S OVERSHOES, MADE OF LEATHER, RUBBER, FABRIC, OR COMPOSITIONS, OR COMBINATIONS THEREOF. Sun Valley Boots, Inc., Malone, N. Y.
Original filed Jan. 25, 1947, under the act of 1905; amended to application under act of 1946, July 17, 1947, Serial No. 516,382. Published Feb. 1, 1949. Class 39.

510,022. MISSES' AND JUNIOR MISSES' SUITS, OUTER SKIRTS, JACKETS, BLOUSES, PINAFORES, OUTER SHORTS, SLACKS, OVERALLS, PEDAL PUSHERS, PLAYSUITS, AND SUNSUITS. Derby Sportswear, Inc., New York, N. Y.
Original filed Feb. 27, 1947, under the act of 1905; amended to application under act of 1946, Feb. 3, 1948, Serial No. 518,207. Published Feb. 8, 1949. Class 39.

510,023. CANDIES. Standard Candy Company, Nashville, Tenn.
Original filed Mar. 18, 1947, under the act of 1905; amended to application under act of 1946, Sept. 3, 1947, Serial No. 519,229. Published Jan. 25, 1949. Class 46.

510,024. CANNED CONCENTRATED PURÉE OF TOMATOES. Mato-Mix, Inc., Stockton, Calif.
Original filed Mar. 28, 1947, under the act of 1905; amended to application under act of 1946, Oct. 13, 1947, Serial No. 519,767. Published Nov. 30, 1948. Class 46.

510,025. GARDEN CHAISES. The Vincent-McCall Company, Kenosha, Wis.
Original filed Apr. 16, 1947, under the act of 1905; amended to application under act of 1946, Nov. 19, 1947, Serial No. 520,842. Published Feb. 15, 1949. Class 32.

510,026. PERIODICAL PUBLICATION. Tide Publishing Company, Inc., New York, N. Y.
Original filed Apr. 23, 1947, under the act of 1905; amended to application under act of 1946, Nov. 19, 1947, Serial No. 521,228. Published Feb. 8, 1949. Class 38.

510,027. BOYS' AND GIRLS' SUITS, JACKETS, SLACKS, OUTER SHORTS, AND SKIRTS. Imperials, Inc., New Rochelle, N. Y.
Original filed May 13, 1947, under the act of 1905; amended to application under act of 1946, Jan. 19, 1948, Serial No. 522,323. Published Feb. 8, 1949. Class 39.

510,028. GIRLS' AND LADIES' DRESSES, SLACKS, OUTER SHORTS, CULOTTES, JACKETS, SLACK SUITS, PEDAL PUSHERS, HALTERS, JUMPERS, SKIRTS, BLOUSES, AND SUITS. Victor Goldfield, doing business as Westward Ho Sportswear, Los Angeles, Calif.
Original filed May 13, 1947, under the act of 1905; amended to application under act of 1946, Dec. 26, 1947, Serial No. 522,348. Published Feb. 8, 1949. Class 39.

510,029. SOFA BEDS. A. Brandwein & Company, Chicago, Ill.
Original filed May 26, 1947, under the act of 1905; amended to application under act of 1946, Nov. 26, 1947, Serial No. 523,053. Published Jan. 18, 1949. Class 32.

510,030. VARIOUS EDUCATIONAL PUBLICATIONS ISSUED FROM TIME TO TIME ON THE SUBJECT OF ACCIDENT PREVENTION INCLUDING PERIODICALS, POSTERS, SAFETY SEALS, AND MISCELLANEOUS ARTICLES. National Safety Council, Chicago, Ill.
Original filed June 7, 1947, under the act of 1905; amended to application under act of 1946, Oct. 31, 1947, Serial No. 528,791. Published Feb. 8, 1949. Class 38.

510,031. MATTRESSES AND BOXSPRINGS. The Vincent-McCall Company, Kenosha, Wis.
Filed July 5, 1947, Serial No. 526,675. Published Feb. 15, 1949. Class 32.

510,082. MULTI-COLORED POST CARDS OR PICTORIAL ILLUSTRATIONS. Curt Teich & Company, Chicago, Ill.
Filed July 8, 1947, Serial No. 527,113. Published Feb. 8, 1949. Class 38.

510,033. GARMENT-SUPPORTING BRACES. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed July 5, 1947, Serial No. 527,381. Published Feb. 1, 1949. Class 39.

510,034. VARNISH READY FOR USE. MINNESOTA LINSEED OIL PAINT CO., Minneapolis, Minn, now by change of name Minnesota Paints Inc., a corporation of Minnesota.
Filed July 5, 1947, Serial No. 527,677. Published Feb. 8, 1949. Class 16.

510,035. NUTRITIONAL SUPPLEMENT COMPOSED OF DEFATTED, DEHYDRATED WHEAT EMBRYO, MALT, AND DEXTROSE, AND A BROTH POWDER MADE OF VEGETABLE CONCENTRATES AND OTHER INGREDIENTS. VITAMINERALS, INC., Los Angeles, Calif.
Filed July 5, 1947, Serial No. 527,722. Published Jan. 25, 1949. Class 46.

510,036. CANNED FISH. CALIFORNIA CANNERS ASSOCIATES, Los Angeles, Calif.
Filed July 22, 1947, Serial No. 529,147. Published Dec. 7, 1948. Class 46.

510,037. SHOES HAVING LEATHER UPPERS AND BOTH LEATHER AND RUBBER SOLES AND HEELS. REIDER SHOE MFG. CO., INC., Schuylkill Haven, Pa.
Filed Aug. 2, 1947, Serial No. 530,335. Published Jan. 25, 1949. Class 39.

510,038. ROTARY TYPE VISIBLE CARD FILING DEVICES. DIEBOLD, INCORPORATED, Canton, Ohio.
Filed Aug. 4, 1947, Serial No. 530,386. Published Jan. 18, 1949. Class 32.

510,039. LOOSELY MATTED OR FELTED ADHESIVELY BOUND VEGETABLE FIBER IN SHEET FORM FOR USE AS STUFFING OR CUSHIONING MATERIAL FOR UPHOLSTERED FURNITURE. WOOD CONVERSION COMPANY, St. Paul, Minn.
Filed Aug. 8, 1947, Serial No. 530,882. Published Feb. 15, 1949. Class 32.

510,040. WAXES USED ON BOTTOM SURFACES OF SKIS. THE FASKI COMPANY, Pasadena, Calif.
Filed Aug. 9, 1947, Serial No. 530,927. Published Jan. 11, 1949. Class 16.

510,041. MEN'S AND YOUNG MEN'S SUITS, COATS, VESTS, TROUSERS, OVERCOATS, AND TOPCOATS. WEINBERG CORPORATION, Chicago, Ill.
Filed Aug. 13, 1947, Serial No. 531,273. Published Feb. 1, 1949. Class 39.

510,042. ROBES FOR PERSONAL WEAR, SLACKS, SPORT SHIRTS, NECKTIES, AND SOCKS. BOTANY MILLS, INC., Passaic, N. J.
Filed Aug. 19, 1947, Serial No. 531,766. Published Feb. 15, 1949. Class 39.

510,043. EAR MUFFS. PORTIA STYLE INDUSTRIES, INC., Chicago, Ill.
Filed Aug. 20, 1947, Serial No. 531,947. Published Feb. 1, 1949. Class 39.

510,044. LIQUID NON-SLIP POLISH FOR WOODEN AND OTHER FLOORING. WALTER G. LUCOZ COMPANY, INC., New York, N. Y.
Filed Aug. 22, 1947, Serial No. 532,142. Published Feb. 8, 1949. Class 16.

510,045. MEN'S OUTER SHIRTS AND SPORT SHIRTS. SUTTON SHIRT CORP., New York, N. Y.
Filed Aug. 22, 1947, Serial No. 532,175. Published Feb. 15, 1949. Class 39.

510,046. SHOES CONSTRUCTED WHOLLY OR IN PART OF LEATHER. HUTH-JAMES SHOE, INC., Waupun, Wis.
Filed Aug. 27, 1947, Serial No. 532,592. Published Feb. 1, 1949. Class 39.

510,047. PUBLICATION PUBLISHED FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH IS DIRECTED TO ENGINEERING SALES AND SERVICE DATA OF METALLURGY AND PARTICULARLY OF APPLICANT'S CAST IRON CASTINGS AND PRODUCTS. MEEHANITE METAL CORPORATION, Chattanooga, Tenn., and New Rochelle, N. Y.
Filed Sept. 4, 1947, Serial No. 533,339. Published Feb. 15, 1949. Class 38.

510,048. HOUSE PAINT, CONCRETE PAINT, AND PAINT COLORS. PHELAN-FAUST PAINT MFG. CO., St. Louis, Mo.
Filed Sept. 4, 1947, Serial No. 533,355. Published Jan. 11, 1949. Class 16.

510,049. CATALOGS AND HOUSE ORGANS. ELCO TOOL AND SCREW CORPORATION, Rockford, Ill.
Filed Sept. 5, 1947, Serial No. 533,554. Published Feb. 8, 1949. Class 38.

510,050. FOLDING TABLES IN THE NATURE OF FURNITURE. ROLAND J. GAUPEL, doing business as Roland J. Gaupel Company, Los Angeles, Calif.
Filed Sept. 12, 1947, Serial No. 534,268. Published Feb. 8, 1949. Class 32.

510,051. WHEAT FLOUR, BOTH PLAIN AND SELF-RISING. SHANKEL MILL COMPANY, INCORPORATED, Bristol, Va.
Filed Sept. 12, 1947, Serial No. 534,382. Published Feb. 8, 1949. Class 46.

510,052. STORE FURNITURE—NAMELY, SHOW CASES, WALL CASES, WOOD-FRAME AND FRAMELESS GLASS CASES, COUNTERS, ETC. THE COLUMBUS SHOW CASE CO., Columbus, Ohio.
Filed Sept. 13, 1947, Serial No. 534,415. Published Feb. 8, 1949. Class 32.

510,053. POULTRY SEASONING, RUBBED SAGE, POWDERED SAGE, GROUND WHITE PEPPER, ETC. MCCORMICK & COMPANY, INC., Baltimore, Md.
Filed Sept. 17, 1947, Serial No. 534,798. Published Feb. 15, 1949. Class 46.

510,054. BEDROOM, DINING ROOM, AND LIVING ROOM FURNITURE, ETC. DREXEL FURNITURE COMPANY, Drexel, N. C.
Filed Sept. 18, 1947, Serial No. 534,883. Published Feb. 8, 1949. Class 32.

510,055. MINCE MEAT. OLD VIRGINIA PACKING CO., INC., Front Royal, Va.
Filed Sept. 18, 1947, Serial No. 534,916. Published Jan. 25, 1949. Class 46.

510,056. WOMEN'S WEARING APPAREL—NAMELY, STREET DRESSES. CARAFIOL-SILVERMAN COMPANY, St. Louis, Mo.
Filed Sept. 19, 1947, Serial No. 534,998. Published Feb. 10, 1948. Class 39.

510,057. SNOWSUITS FOR MEN, WOMEN, BOYS, AND GIRLS. WERBER SPORTSWEAR INC., Newburgh, N. Y.
Filed Sept. 20, 1947, Serial No. 535,206. Published Feb. 15, 1949. Class 39.

510,058. CANNED PEAS. WATERLOO CANNING ASSOCIATION, Waterloo, Wis.
Filed Sept. 22, 1947, Serial No. 535,281. Published Feb. 1, 1949. Class 46.

510,059. DINING ROOM FURNITURE—NAMELY, BUFFETS, EXTENSION AND DROPLEAF TABLES, CONSOLE TABLES, BREAKFRONT AND CORNER CHINAS, SERVERS, AND CHAIRS. DREXEL FURNITURE COMPANY, Drexel, N. C.
Filed Sept. 24, 1947, Serial No. 535,408. Published Feb. 15, 1949. Class 32.

510,060. DINETTE AND BEDROOM FURNITURE—NAMELY, DROPLEAF TABLES, CHAIRS, BUFFETS, BEDS, NIGHT TABLES, DRESSERS, VANITIES, BENCHES, AND MIRRORS. DREXEL FURNITURE COMPANY, Drexel, N. C.
Filed Sept. 24, 1947, Serial No. 535,505. Published Feb. 15, 1949. Class 32.

510,061. PRESERVED CHERRIES. MAWER-GULDEN-ANNIS, INC., New York, N. Y.
Filed Sept. 26, 1947, Serial No. 535,728. Published Jan. 25, 1949. Class 46.

510,062. ALIMENTARY PASTE PRODUCTS—NAMELY, MACARONI, MACARONI PRODUCTS, SPAGHETTI, EGG NOODLES, AND EGG PASTINA. DOMENICO MERLINO, doing business as D. Merlino & Sons, Oakland, Calif.
Filed Sept. 25, 1947, Serial No. 535,731. Published Feb. 8, 1949. Class 46.

510,063. READY-MIXED PAINTS, PAINT ENAMELS, PRIMERS IN THE NATURE OF PAINTS, ETC. WESSON OIL & SNOWDRIFT CO., INC., New Orleans, La.
Filed Sept. 27, 1947, Serial No. 536,021. Published Jan. 11, 1949. Class 16.

510,064. BRIDGE TABLE PADS, CHAIR PADS, AND TABLE PADS. UNIVERSAL MERCANTILE CORP., Newark, N. J.
Filed Sept. 29, 1947, Serial No. 536,176. Published Jan. 18, 1949. Class 32.

510,065. WORK GLOVES—NAMELY, GLOVES OF FABRIC. INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind.
Filed Oct. 3, 1947, Serial No. 536,615. Published Feb. 15, 1949. Class 39.

510,066. SHAMPOO CHAIRS. VEBRAL INC., Sooth Bend, Ind.
Filed Oct. 3, 1947, Serial No. 536,735. Published Jan. 18, 1949. Class 32.

510,067. WINDOW SHADES AND WINDOW SHADE ROLLERS. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,783. Published Jan. 18, 1949. Class 32.

510,068. MONTHLY MAGAZINE. HAYWOOD PUBLISHING COMPANY, Chicago, Ill.
Filed Oct. 6, 1947, Serial No. 536,897. Published Feb. 15, 1949. Class 38.

510,069. MONTHLY MAGAZINE. HAYWOOD PUBLISHING COMPANY, Chicago, Ill.
Filed Oct. 6, 1947, Serial No. 536,898. Published Feb. 15, 1949. Class 38.

510,070. PRINTED PERIODICAL PUBLICATION OF THE HOUSE ORGAN TYPE. SOUTHERN DAIRIES, Inc., Washington, D. C.
Filed Oct. 6, 1947, Serial No. 536,964. Published Feb. 8, 1949. Class 38.

510,071. DOG FOOD—NAMELY, COOKED HORSE-MEAT. RICHARD L. DAVIS, Topeka, Kans.
Filed Oct. 8, 1947, Serial No. 537,162. Published Feb. 15, 1949. Class 46.

510,072. PAINTS IN PASTE, POWDER, AND LIQUID FORM; VARNISHES; LACQUERS; AIR-DRYING AND BAKING ENAMELS; AND PAINT, ENAMEL, AND LACQUER THINNERS. MANUFACTURING INDUSTRIES, INC., New York, N. Y.
Filed Oct. 16, 1947, Serial No. 538,018. Published Jan. 11, 1949. Class 16.

510,073. READY MIXED BARN PAINTS SOLD IN LIQUID FORM. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill.
Filed Oct. 17, 1947, Serial No. 538,077. Published Feb. 8, 1949. Class 16.

510,074. LIQUID AUTOMOBILE WAX AND CLEANER. ATOMIX INC., Mount Cuba, Del.
Filed Oct. 23, 1947, Serial No. 538,706. Published Jan. 11, 1949. Class 16.

510,075. PAINT IN DRY FORM FOR USE ON CEMENT, STUCCO, BRICK, AND OTHER POROUS SURFACES. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa.
Filed Oct. 28, 1947, Serial No. 538,792. Published Jan. 11, 1949. Class 16.

510,076. TEA, COFFEE, MAYONNAISE, SANDWICH SPREAD, MUSTARD, TARTAR SAUCE, PUDDING POWDER, AND CHOCOLATE SYRUP FOR FOOD PURPOSES. MARTIN GILLET & CO. INC., Baltimore, Md.
Filed Oct. 27, 1947, Serial No. 539,150. Published Nov. 23, 1948. Class 46.

510,077. CLOTHING—NAMELY, COATS AND TOPCOATS FOR MEN, WOMEN, AND CHILDREN; JACKETS FOR MEN, WOMEN, AND CHILDREN, ETC. BURBERRYS LIMITED, London, England.
Filed Oct. 31, 1947, Serial No. 539,645. Published Jan. 18, 1949. Class 39.

510,078. PAINT ENAMEL IN LIQUID AND PASTE FORM. CONTINENTAL PAINT & VARNISH CO., Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,659. Published Feb. 8, 1949. Class 16.

510,079. LIQUID RESINOUS PAINT. DRAKE PAINT COMPANY, Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,675. Published Feb. 8, 1949. Class 16.

510,080. UTILITY PAINT IN LIQUID FORM. STETSON PAINT & VARNISH COMPANY, Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,771. Published Feb. 8, 1949. Class 16.

510,081. LIQUID PAINT ENAMEL. STETSON PAINT & VARNISH COMPANY, Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,773. Published Feb. 8, 1949. Class 16.

510,082. PAINT IN LIQUID AND PASTE FORM. STETSON PAINT & VARNISH COMPANY, Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,778. Published Feb. 15, 1949. Class 16.

510,083. PAINT IN LIQUID AND PASTE FORM AND PAINT ENAMEL. STETSON PAINT & VARNISH COMPANY, Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,785. Published Feb. 8, 1949. Class 16.

510,084. CANDY. W. B. PALMER ESTATE, doing business as Palmer Candy Company, Sioux City, Iowa.
Filed Nov. 4, 1947, Serial No. 540,103. Published Feb. 8, 1949. Class 46.

510,085. CANNED VEGETABLES. FINE FOODS, INC., Seattle, Wash.
Filed Nov. 10, 1947, Serial No. 540,658. Published Feb. 8, 1949. Class 46.

510,086. ANTIFOULING BOTTOM PAINT FOR WATERBORNE CRAFT. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y.
Filed Nov. 10, 1947, Serial No. 540,675. Published Jan. 25, 1949. Class 16.

510,087. MATTRESSES. THE STEARNS & FOSTER COMPANY, Cincinnati, Ohio.
Filed Nov. 13, 1947, Serial No. 541,347. Published Jan. 18, 1949. Class 32.

510,088. MATTRESSES. THE STEARNS & FOSTER COMPANY, Cincinnati, Ohio.
Filed Nov. 15, 1947, Serial No. 541,348. Published Jan. 18, 1949. Class 32.

510,089. MAGAZINE. NATIONAL ASSOCIATION OF COUNTY AGICULTURAL AGENTS, Springfield, Mo.
Filed Nov. 17, 1947, Serial No. 541,440. Published July 6, 1948. Class 38.

510,090. UNDERGARMENTS—NAMELY, SLIPS. TEWI LINGERIE INC., New York, N. Y.
Filed Nov. 19, 1947, Serial No. 541,717. Published Jan. 18, 1949. Class 39.

510,091. PUBLICATION ISSUED FROM TIME TO TIME AND PROVIDING THEREIN SPECIFICATIONS FOR BALL, ROLLER, AND BRONZE BEARINGS. BEARING MANUAL INC., Chicago, Ill.
Filed Nov. 22, 1947, Serial No. 541,995. Published Feb. 15, 1949. Class 38.

510,092. PAPER DISPOSABLE DIAPER HOLDERS IN THE NATURE OF PANTIES. CROWN ZELLERBACH CORPORATION, also doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif.
Filed Nov. 22, 1947, Serial No. 542,010. Published Jan. 18, 1949. Class 39.

510,093. MISSES', LADIES', AND CHILDREN'S DRESSES, PLAYSUITS, SKIRTS, BLOUSES, AND SMOCKS. THE GRENES GARMENT COMPANY INC., Kansas City, Mo.
Filed Nov. 24, 1947, Serial No. 542,112. Published Jan. 18, 1949. Class 39.

510,094. MATTRESSES, BOX SPRINGS, SOFAS, AND CHAIRS OF THE FURNITURE TYPE. S. KARPEN & BROS., Chicago, Ill.
Filed Aug. 13, 1947, Serial No. 542,207. Published Feb. 15, 1949. Class 32.

510,095. DRESS, NEGLIGEE, AND WORK SHIRTS FOR MEN AND BOYS. WIDE AWAKE SHIRT COMPANY, INC., Reading, Pa.
Filed Sept. 10, 1947, Serial No. 543,016. Published Feb. 1, 1949. Class 39.

510,096. DRESS, NEGLIGEE, AND WORK SHIRTS FOR MEN AND BOYS. WIDE AWAKE SHIRT COMPANY, INC., Reading, Pa.
Filed Sept. 10, 1947, Serial No. 543,018. Published Feb. 1, 1949. Class 39.

510,097. CHEWING GUM. THE PHILADELPHIA CHEWING GUM CORPORATION, Philadelphia, Pa.
Filed Dec. 4, 1947, Serial No. 543,324. Published Dec. 28, 1948. Class 46.

510,098. CORSETS, GIRDLES, BRASSIÈRES, AND BATHING SUITS. ANDRÉ SILVAIN, Roubaix (Nord), France.
Filed Dec. 5, 1947, Serial No. 543,538. Published Feb. 8, 1949. Class 39.

510,099. OYSTERS IN THEIR NATURAL STATE. J. & J. W. ELSWORTH CO., New York, N. Y.
Filed Dec. 6, 1947, Serial No. 543,552. Published Feb. 8, 1949. Class 46.

510,100. NATURAL IRON OXIDE PIGMENTS ADAPTED ESPECIALLY FOR METAL-PROTECTIVE PRIMING PAINTS. GEO. S. MEPHAM CORPORATION, East St. Louis, Ill., assignor to C. K. Williams & Co., East St. Louis, Ill., a corporation of Delaware.
Filed Dec. 6, 1947, Serial No. 543,639. Published Jan. 11, 1949. Class 16.

510,101. FRESH CITRUS FRUITS. J. E. POGUE PACKING HOUSE, also doing business as J. E. Pogue, Lemon Cove, Calif., assignor to Fred R. Berger, doing business as Earlibest Orange Assn., Lemon Cove, Calif.
Filed Dec. 8, 1947, Serial No. 543,743. Published Dec. 21, 1948. Class 46.

510,102. FRESH CITRUS FRUITS. J. E. POGUE PACKING HOUSE, Lemon Cove, Calif., assignor to Fred R. Berger, doing business as Earlibest Orange Assn., Lemon Cove, Calif.
Filed Dec. 8, 1947, Serial No. 543,744. Published Dec. 21, 1948. Class 46.

510,103. BED-SPRINGS. LEGGETT & PLATT, INC., Carthage, Mo.
Filed Dec. 9, 1947, Serial No. 543,816. Published Feb. 15, 1949. Class 32.

510,104. SPAGHETTI SAUCE, A DRESSING TO BE EMPLOYED WITH COOKED SPAGHETTI. THE CREAMETTE COMPANY, Minneapolis, Minn.
Filed Dec. 10, 1947, Serial No. 543,899. Published Feb. 8, 1949. Class 46.

510,105. ARTISTS' PAINTS, I. E., WATER COLORS. M. GRUMBACHER, INC., New York, N. Y.
Filed Dec. 11, 1947, Serial No. 544,085. Published Jan. 11, 1949. Class 16.

510,106. FOLDING COTS, FOLDING STOOLS, AND FOLDING CHAIRS. TUCKER DUCK & RUBBER CO., Fort Smith, Ark.
Filed Dec. 15, 1947, Serial No. 544,403. Published Feb. 15, 1949. Class 32.

510,107. FOLDING CHAIRS. TUCKER DUCK & RUBBER CO., Fort Smith, Ark.
Filed Dec. 15, 1947, Serial No. 544,404. Published Feb. 15, 1949. Class 32.

510,108. DENTAL PUBLICATIONS. COE LABORATORIES, INC., Chicago, Ill.
Filed Oct. 30, 1947, Serial No. 544,673. Published Feb. 8, 1949. Class 38.

510,109. PUBLICATION IN THE NATURE OF A DIRECTORY PUBLISHED FROM TIME TO TIME. THE A. N. MARQUIS COMPANY, Chicago, Ill.
Filed Dec. 22, 1947, Serial No. 545,141. Published Feb. 15, 1949. Class 38.

510,110. TEA. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Dec. 24, 1947, Serial No. 545,371. Published Feb. 8, 1949. Class 46.

510,111. PURE CONCENTRATED WHOLE EGGS AND YOLKS. REDHURD CORPORATION, Terre Haute, Ind.
Filed Dec. 24, 1947, Serial No. 545,392. Published Feb. 8, 1949. Class 46.

510,112. SLIP COVERS. CARLTON B. STRINGFELLOW, doing business as Covercraft Company, Goshen, Ind.
Filed Dec. 26, 1947, Serial No. 545,557. Published Feb. 1, 1949. Class 32.

510,113. UPHOLSTERED BOX SPRINGS, SOFA BEDS, PILLOWS, AND MATTRESSES. TAYLOR BEDDING MFG. CO., Taylor, Tex.
Filed Dec. 31, 1947, Serial No. 545,911. Published Jan. 18, 1949. Class 32.

510,114. CORSETS. I. NEWMAN & SONS, INCORPORATED, New Haven, Conn.
Filed Jan. 2, 1948, Serial No. 546,021. Published Jan. 18, 1949. Class 39.

510,115. ANTI-FOULING COMPOSITION IN THE NATURE OF A PAINT FOR FISHERMEN'S NETS AND OTHER SIMILAR NETS. OLIVER REEDER & SON, INCORPORATED, Baltimore, Md.
Filed Jan. 8, 1948, Serial No. 546,512. Published Feb. 8, 1949. Class 16.

510,116. DESKS. CLYDE G. MORGAN, Chicago, Ill.
Filed Jan. 15, 1948, Serial No. 547,140. Published Feb. 15, 1949. Class 32.

510,117. WESTERN STYLE CLOTHING FOR MEN AND BOYS—NAMELY, PANTS, SHIRTS AND JACKETS, MADE OF WOOL AND COTTON. DICKSON-JENKINS MANUFACTURING COMPANY, Fort Worth, Tex.
Filed Jan. 16, 1948, Serial No. 547,241. Published Jan. 18, 1949. Class 39.

510,118. CANDY. SIDNEY OSTROWITZ, doing business as Standard Confections Co., Brooklyn, N. Y.
Filed Jan. 27, 1948, Serial No. 548,096. Published Feb. 8, 1949. Class 46.

510,119. CANNED VEGETABLES—NAMELY, GOLDEN CORN, STRING BEANS, AND PEAS. PORTLAND PACKING CO., Portland, Maine.
Filed Jan. 30, 1948, Serial No. 548,406. Published Feb. 1, 1949. Class 46.

510,120. PILLOWS. NEW YORK FEATHER CO., Brooklyn, N. Y.
Filed Feb. 2, 1948, Serial No. 548,601. Published Feb. 8, 1949. Class 32.

510,121. PERIODICAL PUBLICATION. SYNDICATE STORE MERCHANDISER, INC., New York, N. Y.
Filed Feb. 5, 1948, Serial No. 548,879. Published Feb. 15, 1949. Class 38.

510,122. MAGAZINE. OPINION RESEARCH CORPORATION, Princeton, N. J.
Filed Feb. 12, 1948, Serial No. 549,572. Published Feb. 8, 1949. Class 38.

510,123. PERIODICALS. FORD MOTOR COMPANY, Dearborn, Mich.
Filed Apr. 24, 1948, Serial No. 555,492. Published Feb. 15, 1949. Class 38.

510,124. PERIODICAL PUBLISHED MONTHLY. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed Apr. 27, 1948, Serial No. 555,671. Published Feb. 15, 1949. Class 38.

510,125. PERIODICAL. PENOLA INC., Chicago, Ill., and New York, N. Y.
Filed Apr. 28, 1948, Serial No. 555,784. Published Feb. 15, 1949. Class 38.

510,126. PUBLICATIONS ISSUED FROM TIME TO TIME. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed Apr. 28, 1948, Serial No. 555,770. Published Feb. 15, 1949. Class 38.

510,127. HOUSE ORGAN PUBLISHED FROM TIME TO TIME. ROCKWELL MANUFACTURING COMPANY, Pittsburg, Pa.
Filed Apr. 30, 1948, Serial No. 555,959. Published Feb. 15, 1949. Class 38.

510,128. COTTON GOODS IN THE PIECE AND DRAPERY FABRICS OF COTTON AND COTTON AND RAYON. JOHN WOLF TEXTILES, INC., New York, N. Y.
Filed June 14, 1948, Serial No. 559,199. Published Dec. 21, 1948. Class 42.

510,129. WATER SOLUBLE DOUCHE POWDER. ROBERT L. GLADES, doing business as Pakay Company, Elmira, N. Y.
Filed Nov. 17, 1948, Serial No. 568,943. Published Feb. 15, 1949. Class 6.

510,130. COOKIES. ZION INDUSTRIES, INC., Zion, Ill.
Filed Dec. 10, 1948, Serial No. 570,240. Published Feb. 15, 1949. Class 46.

Service Marks

510,131. SERVICES IN MAKING APPLICATIONS OF PLASTIC COATINGS TO THE INTERIOR OF TUBULAR GOODS, SUCH AS CASINGS, DRILL PIPES, SERVICE PIPES, AND PIPE LININGS. GREEN CONTRACTING AND ENGINEERING COMPANY, INC., Wichita, Kans.
Filed Nov. 25, 1947, Serial No. 542,309. Published Feb. 8, 1949. Class 55.

510,132. RECEIPT, TRANSMISSION, AND DELIVERY OF COMMUNICATIONS BY RADIO, TELEPHONE, TELEGRAPHY, WIRELESS, RADIOGRAPHY, RADIOTELEPHONY, RADIOTELEGRAPHY, RADIOPHONY. AMERICAN CABLE & RADIO CORPORATION, New York, N. Y.
Filed Feb. 7, 1948, Serial No. 540,040. Published Feb. 8, 1949. Class 55.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

510,133. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GLENN L. MARTIN, doing business as Glenmar Farms, Chestertown, Md. Filed Oct. 24, 1947, Serial No. 473,387.

AIRBORNE

FOR FRESH VEGETABLES.
Claims use since July 26, 1944.

510,134. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ALLAN A. TASHBAR, New York, N. Y. Filed Nov. 13, 1948; original filed June 14, 1948, Serial No. 502,542.

DISPOS-A-ROBE

FOR SURGICAL AND EXAMINATION ROBES MADE OF CELLULOSE, CREPE WADDING, OR ABSORBENT PAPER.
Claims use since March 1946.

510,135. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DOMINIC JOSEPH DELLARIPA, doing business as Sterling Soap Mfg. Co., Middletown, Conn. Filed Oct. 2, 1948, Serial No. 504,059.

Qwick Suds

FOR SOAP POWDER.
Claims use since June 30, 1946.

510,136. (CLASS 30. CLOTHING.) WOLFF, FORDINO & COMPANY, INC., Boston, Mass. Filed Aug. 4, 1948, Serial No. 514,086.



The figures represented are fanciful figures.
FOR CHILDREN'S FANCY DRESS COSTUMES.
Claims use since Mar. 19, 1946.

510,137. (CLASS 39. CLOTHING.) SUSAN FASHIONS, INC., New York, N. Y. Filed Dec. 31, 1948; original filed May 21, 1948, Serial No. 516,383.

De De Darling
Exclusive Original

The name "De De Darling" is fanciful.
FOR COATS, CLOAKS AND SUITS FOR GIRLS AND WOMEN.
Claims use since July 1, 1946.

510,138. (CLASS 39. CLOTHING.) HERMAN MANTELL, New York, N. Y. Original filed Jan. 29, 1947, under the act of 1905; amended to application under act of 1946, Mar. 22, 1948, Serial No. 516,558.

Mannings

Applicant claims ownership of Registration No. 342,029.
FOR LINGERIE—NAMELY, SLIPS, NIGHTGOWNS, PETTICOATS, BED JACKETS, PAJAMAS, ROBES, PANTIES, NEGLIGEES.
Claims use since Nov. 1, 1946.

510,139. (CLASS 39. CLOTHING.) JAMES W. LEE, Portland, Oreg. Original filed Feb. 1, 1947, under the act of 1905; amended to application under act of 1946, Aug. 17, 1948, Serial No. 516,775.

Ever-Stay

FOR HAIR NETS, SNOODS, AND BANDANAS.
Claims use since Nov. 4, 1946.

510,140. (CLASS 39. CLOTHING.) SOL SHERMAN, doing business as Sherman Bows and Sherman Products, New York, N. Y. Original filed, Feb. 11, 1947, under the act of 1905; amended to application under act of 1946 Feb. 21, 1949, Serial No. 517,329.

There's a Sherman Bow for every type of man

FOR BOW TIES FOR MEN AND BOYS.
Claims use since Mar. 18, 1943.

510,141. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ROLAND E. SLEIGHT, doing business as International Industrial Sales Co., Philadelphia, Pa. Original filed Mar. 18, 1947, under the act of 1905; amended to application under act of 1946 Mar. 26, 1948, Serial No. 519,226.

Kleeneze

FOR HAND CLEANSER.
Claims use since Mar. 11, 1947.

510,142. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PEERLESS BRUSH MFG. CO., Burlington, Vt. Original filed Apr. 17, 1947, under the act of 1905; amended to application under act of 1946 Dec. 5, 1947, Serial No. 520,896.

PEERLESS

FOR SHAVING BRUSHES.
Claims use since Aug. 13, 1946.

510,143. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEONID DE LESCINSKIS, New York, N. Y. Original filed May 17, 1947, under the act of 1905; amended to application under act of 1946 July 28, 1948, Serial No. 522,588.



The portrait is fanciful. Applicant claims ownership of Registration No. 405,452.
FOR PERFUMES, TOILET WATERS, COLOGNES, FACE POWDERS, DUSTING POWDERS, LIPSTICKS, AND ROUGES.
Claims use since Dec. 16, 1946.

510,144. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MANLIS JEWELRY CO., INC., Hammond, Ind., and New York, N. Y. Filed Jan. 12, 1949, Serial No. 522,642.

BLUE-LITE

FOR DIAMOND FINGER RINGS, LOCKETS, CROSSES, MOUNTINGS OF PRECIOUS METAL FOR FINGER RINGS, STONE FINGER RINGS, EARRINGS, NECKLACES, PENDANTS, BROOCHES, AND LOOSE DIAMONDS.
Claims use since Apr. 1, 1947.

510,145. (CLASS 39. CLOTHING.) JANE COMPTON BLOUSES, INC., Kansas City, Mo., assignee of Jane Compton Blouses. Filed June 18, 1948, Serial No. 525,335.

Jane Compton

The name "Jane Compton" is fanciful.
FOR LADIES', MISSES', AND CHILDREN'S BLOUSES AND OVERSHIRTS.
Claims use since Mar. 27, 1947.

510,146. (CLASS 39. CLOTHING.) EDDIE LINICK, New York, N. Y. Filed Mar. 10, 1949, Serial No. 529,478.

Linick's latest

FOR FABRIC GLOVES AND MITTENS.
Claims use since Mar. 18, 1947.

510,147. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) BOTANY MILLS, INC., Passaic, N. J. Filed Oct. 15, 1948, Serial No. 532,116.

LAUNDERIZED

FOR WOOLEN FABRICS IN THE PIECE AND WOOLEN BLANKETS.
Claims use since Jan. 6, 1947.

510,148. (CLASS 39. CLOTHING.) BABOKA CLOTHES, INCORPORATED, Baltimore, Md. Filed Mar. 14, 1949; original filed Sept. 19, 1947, Serial No. 534,900.

America's Famous Clothes

FOR MEN'S AND YOUTHS' CLOTHING, MORE SPECIFICALLY, SUITS, OVERCOATS, TOPCOATS, SPORT COATS, RAINCOATS, PANTS AND TROUSERS.
Claims use since January 1936.

510,149. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL FOODS CORPORATION, New York, N. Y. Filed Mar. 3, 1949, Serial No. 535,027.

POSTFLINGOR
POST-FLINGOR
Corn Flakes
POSTFLINGOR

Applicant claims ownership of Registration No. 279,646.
FOR CEREAL BREAKFAST FOODS.
Claims use since Sept. 21, 1946.

510,150. (CLASS 39. CLOTHING.) MRS. WILLIAM M. FULLER, Fort Worth, Tex. Filed Oct. 16, 1947, Serial No. 537,908.

Polly Polk

The name "Polly Polk" is fanciful.
FOR CHILDREN'S DRESSES.
Claims use since Sept. 8, 1947.

510,151. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WENATCHEE-OKANOGAN COOPERATIVE FEDERATION, Wenatchee, Wash. Filed Mar. 8, 1949; original filed Oct. 23, 1947, Serial No. 536,832.

Rite Grade

Applicant claims ownership of Registration No. 249,912.
FOR FRESH APPLES.
Claims use since September 1923.

510,152. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STANDARD ARCTURUS CORPORATION, Newark, N. J. Filed Sept. 25, 1948; original filed Nov. 14, 1947, Serial No. 541,216.



Applicant claims ownership of Registrations Nos. 255,427, 255,428, 264,314, 276,864, 277,154, 277,341, and 277,351.
FOR RADIO AND ELECTRONIC TUBES.
Claims use since Aug. 15, 1940.

510,153. (CLASS 34. HEATING, LIGHTING AND VENTILATING APPARATUS.) BROWN STOVE WORKS, INC., Cleveland, Tenn. Filed Dec. 27, 1948, Serial No. 542,075.

Brown

FOR STOVES AND RANGES.
Claims use since Oct. 31, 1947.

510,154. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) HOBE CIE LTD., New York, N. Y. Filed Dec. 24, 1947, Serial No. 545,374.

Hobé

FOR POTTERY CANDY BOXES, POTTERY FERN DISHES, POTTERY FLOWER BOWLS, POTTERY COOKIE JARS, POTTERY VASES, POTTERY BOWLS, AND POTTERY PERFUME BOTTLES AND POWDER JARS.
Claims use since Aug. 12, 1941.

510,155. (CLASS 18. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EATON MANUFACTURING COMPANY, Cleveland, Ohio. Filed Mar. 18, 1948, Serial No. 551,880.

WOOD SPRING

FOR LOCK WASHERS.
Claims use since August 1930.

510,156. (CLASS 39. CLOTHING.) TRUE FORM CORSET COMPANY, INC., Philadelphia, Pa. Filed Mar. 16, 1949, original filed Mar. 26, 1948, Serial No. 553,143.

Kant Roll

FOR GIRDLES AND PANTY GIRDLES.
Claim use since May 1946.

510,157. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BILLINGS DENTAL LABORATORIES, Omaha, Nebr. Filed Feb. 7, 1949, Serial No. 554,646.

MONOCAST

FOR ARTIFICIAL DENTURES.
Claims use since Apr. 18, 1947.

510,158. (CLASS 43. THREAD AND YARN.) JAMES LEES AND SONS COMPANY, Bridgeport, Pa. Filed Jan. 26, 1949; original filed June 10, 1948, Serial No. 558,893.

MONTEREY

FOR YARNS.
Claims use since July 1946.

510,159. (CLASS 39. CLOTHING.) LOUIS MEYERS & SON, INC., New York, N. Y. Filed June 16, 1948, Serial No. 550,310.

DUOWEVE

FOR FABRIC GLOVES.
Claims use since Apr. 28, 1927.

510,160. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LANVIN-PARFUMS, INC., New York, N. Y. Filed Mar. 31, 1949; original filed July 14, 1946, Serial No. 561,316.

EAU de LANVIN

Applicant claims ownership of Registration No. 281,006.
FOR TOILET WATER AND COLOGNE.
Claims use since Aug. 30, 1946.

Service Marks

510,161. (CLASS 55. SERVICES.) HERBERT I. SEGAL, Newark, N. J. Filed Feb. 5, 1949; original filed Aug. 8, 1947, Serial No. 530,859.

ACTION AUCTION

FOR AUCTIONEER SERVICES AT PUBLIC AND PRIVATE SALES.
Claims use since Dec. 19, 1925.

TRADE-MARK REGISTRATIONS RENEWED

32,482. CHLORO-NAPTHOLEUM. Registered Feb. 7, 1899. Emil Taussig, New York, N. Y. Re-renewed Feb. 7, 1949, to West Disinfecting Company, Long Island City, N. Y., a corporation of New York. DISINFECTANTS AND INSECTICIDES. Class 6.

33,098. INDIAN HAY. Registered June 20, 1899. Roger & Gallet, Paris, France. Re-renewed June 20, 1949, to Roger & Gallet, New York, N. Y., a corporation of New York. TOILET EXTRACTS, ESSENCES, OILS, WATERS, POWDERS, AND SOAPS. Classes 4 and 6.

72,096. 2. Registered Jan. 5, 1909. Horace A. Whittemore. Re-renewed Jan. 5, 1949, to H. A. Whittemore & Co., Inc., Boston, Mass., a corporation of Massachusetts. FISHING-TACKLE, VIZ: LINES, SPOON-BAITS, LEADERS, SWIVELS, REELS, RODS, FLIES, MINNOWS, FLY-HOOKS, AND HOOKS. Class 22.

72,903. SILVER BAR. Registered Mar. 2, 1909. Griffin & Skelley Company. Re-renewed Mar. 2, 1949, to California Packing Corporation, San Francisco, Calif., a corporation of New York. CANNED VEGETABLES. Class 46.

72,904. GOLDBAR. Registered Mar. 2, 1909. Griffin & Skelley Company. Re-renewed Mar. 2, 1949, to California Packing Corporation, San Francisco, Calif., a corporation of New York. CANNED VEGETABLES. Class 46.

72,961. "GOLD BAR" AND RECTANGULAR DESIGN; THE CENTRAL PANEL IS LINED FOR GOLD COLOR, THE BANDS FOR BLUE, AND THE UPPER AND LOWER EDGES ARE LINED FOR ORANGE COLOR. Registered Mar. 9, 1909. Griffin & Skelley Company. Re-renewed Mar. 9, 1949, to California Packing Corporation, San Francisco, Calif., a corporation of New York. DRIED AND EVAPORATED FRUITS AND CANNED FRUITS. Class 46.

73,005. "SILVER BAR" AND RECTANGULAR DESIGN; THE CENTRAL PANEL AND UPPER AND LOWER EDGES ARE LINED FOR SILVER COLOR AND THE BANDS ARE LINED FOR BLUE COLOR. Registered Mar. 9, 1909. Griffin & Skelley Company. Re-renewed Mar. 9, 1949, to California Packing Corporation, San Francisco, Calif., a corporation of New York. DRIED AND EVAPORATED FRUITS AND CANNED FRUITS. Class 46.

73,059. A C BARRY. Registered Mar. 16, 1909. Barclay & Barclay. Re-renewed Mar. 16, 1949, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y., a corporation of New York. A MEDICATED PREPARATION FOR THE HAIR, SCALP, AND SKIN. Class 6.

73,139. REPRESENTATION OF HORN. Registered Mar. 16, 1909. M. B. Foster & Sons, Limited. Re-renewed Mar. 16, 1949, to M. B. Foster & Sons, Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. BEER. Class 48.

73,183. "TAYLOR'S" AND DESIGN. Registered Mar. 23, 1909. The Taylor Provision Co., Trenton, N. J., a corporation of New Jersey. Re-renewed Mar. 23, 1949. PORK ROLL. Class 46.

73,476. HEATHER DEW. Registered Apr. 20, 1909. Mitchell Brothers Limited, Glasgow, Scotland, a limited liability company of Great Britain. Re-renewed Apr. 20, 1949. BLENDED SCOTCH WHISKIES. Class 49.

74,295. "DOME" AND REPRESENTATION OF A DOME. Registered June 29, 1909. Pontnewynydd Sheet and Galvanizing Company, Limited, London, and Pontnewynydd, near Pontypool, England. Re-renewed June 29, 1949, to Partridge Jones & John Paton Limited, Newport, Wales, a corporation organized under the laws of Great Britain and Northern Ireland. STEEL AND IRON SHEETS BOTH GALVANIZED AND BLACK. Class 14.

74,206. "DOLPHIN" AND REPRESENTATION OF DOLPHIN. Registered June 29, 1909. Pontnewynydd Sheet and Galvanising Company Limited, London, and Pontnewynydd, near Pontypool, England. Re-renewed June 29, 1949, to Partridge Jones & John Paton Limited, Newport, Wales, a corporation organized under the laws of Great Britain and Northern Ireland. SHEET IRON, GALVANIZED OR OTHERWISE. Class 14.

74,306. RAYBESTOS. Registered June 29, 1909. Royal Equipment Company, Bridgeport, Conn. Re-renewed June 29, 1949, to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey. BRAKE PADS AND CLUTCH PADS FOR VEHICLE BRAKES AND CLUTCHES. Class 35.

74,840. TOXLOXPORE. Registered Aug. 10, 1909. Toch Brothers. Re-renewed Aug. 10, 1949, to Toch Brothers, Incorporated, New York, N. Y., a corporation of New York. A MATERIAL TO BE ADDED TO DRY CEMENT FOR WATERPROOFING CONCRETE. Class 12.

169,908. EVAN WILLIAMS. Registered July 3, 1923. Evan Williams Company, Limited, London, England, a corporation organized under the laws of Great Britain and Northern Ireland. Renewed July 3, 1943 (as provided by P. L. 517, July 17, 1946). A SHAMPOO POWDER. Class 6.

181,470. "LUMIN" AND DESIGN. Registered Mar. 18, 1924. Johann Bosch Gesellschaft m. b. H. Fabrik fur Asphalt, Dachpappe u. Teerprodukte, Vienna, Austria, a corporation organized under the laws of Austria. Renewed Mar. 18, 1944 (as provided by P. L. 617, July 17, 1946). FLOOR POLISHES. Class 16.

247,160. COMMODORE. Registered Sept. 18, 1928. Commander Milling Company. Renewed Sept. 18, 1948, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. Renewed Sept. 18, 1948. WHEAT FLOUR. Class 46.

248,120. DROMORECIDE. Registered Oct. 16, 1928. Ernest W. Sharland, doing business as Dromore Kennels Reg., Baltimore, Md. Renewed Oct. 16, 1948, to Ernest W. Sharland, doing business as Dromore Kennels Reg., Pikesville, Md. DOG MEDICINES—NAMELY, A PREPARATION FOR DRESSING DOG'S SKIN AND COAT OF HAIR, AND A PREPARATION FOR THE HUMAN SCALP. Class 6.

249,460. "BOHN" ETC. AND DESIGN. Registered Nov. 13, 1928. Bohn Aluminum and Brass Corporation, Detroit, Mich., a corporation of Michigan. Renewed Nov. 13, 1948. BEARINGS FOR MACHINERY. Class 23.

249,750. LARKWOOD. Registered Nov. 20, 1928. Frances Sachsenmaier, doing business as Realart Silk Hosiery Mills, Philadelphia, Pa. Renewed Nov. 20, 1948, to Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C., a corporation of North Carolina. HOSIERY. Class 39.

250,385. GOLD SEAL. Registered Dec. 11, 1928. American Stores Company, Philadelphia, Pa., a corporation of Delaware. Renewed Dec. 11, 1948. WHEAT, FLOUR, EGGS, AND ROLLED OATS. Class 46.

250,429. B. ALTMAN & CO. Registered Dec. 11, 1928. B. Altman & Co., New York, N. Y., a corporation of New York. Renewed Dec. 11, 1948. DRY GOODS—NAMELY, PLAIN AND FANCY PIECE GOODS, AS FOLLOWS: KNITTED, NETTED, AND WOVEN TEXTILE FABRICS, COMPOSED IN WHOLE OR IN PART OF WOOL, COTTON, SILK, ETC. Classes 39 and 42.

251,729. LA NAPOLETANA, AND DRAWING. Registered Jan. 15, 1929. P. Pastene & Co., Inc., also doing business as Purity Products Company, Boston, Mass. Renewed Jan. 15, 1949, to Pastene & Co., Inc., New York, N. Y., a corporation of Delaware. MACARONI. Class 46.

252,234. VAMP-TOE. Registered Jan. 29, 1929. Frances Sachsenmaier, doing business as Realart Silk Hosiery Mills, Philadelphia, Pa. Renewed Jan. 29, 1949, to Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C., a corporation of North Carolina. HOSIERY. Class 39.

252,568. ALPINE. Registered Feb. 12, 1929. The Weber Medical Tea Company, Brooklyn, N. Y., a corporation of West Virginia. Renewed Feb. 12, 1949. LAXATIVE PREPARATIONS. Class 6.

252,684. S-D. Registered Feb. 12, 1929. The Cleveland File Company, Cleveland, Ohio. Renewed Feb. 12, 1949, to Heller Brothers Company, Newark, N. J., a corporation of New Jersey. FILES. Class 23.

252,685. SUPER-D. Registered Feb. 12, 1929. The Cleveland File Company, Cleveland, Ohio. Renewed Feb. 12, 1949, to Heller Brothers Company, Newark, N. J., a corporation of New Jersey. FILES. Class 23.

252,686. SUPER DUTY. Registered Feb. 12, 1929. The Cleveland File Company, Cleveland, Ohio. Renewed Feb. 12, 1949, to Heller Brothers Company, Newark, N. J., a corporation of New Jersey. FILES. Class 23.

252,754. BRU-CELL-IZE. Registered Feb. 12, 1929. E. L. Bruce Co., Memphis, Tenn., a corporation of Tennessee. Renewed Feb. 12, 1949. CHEMICAL COMPOSITION FOR IMPREGNATING WOOD, TO PROTECT IT AGAINST MOISTURE, ABSORPTION, INSECTS, DECAY, AND THE LIKE. Class 6.

253,162. LARKWOOD VAMP-TOE. Registered Feb. 19, 1929. Frances Sachsenmaier, doing business as Realart Silk Hosiery Mills, Philadelphia, Pa. Renewed Feb. 19, 1949, to Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C., a corporation of North Carolina. HOSIERY. Class 39.

253,224. WATERSPAR. Registered Feb. 19, 1929. Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Feb. 19, 1949 (Supplemental Register). VARNISHES, LACQUERS, PAINT ENAMELS, STAINS, AND READY-MIXED LIQUID PAINTS. Class 16.

253,266. CARPULE. Registered Feb. 26, 1929. Cook Laboratories, Inc., Chicago, Ill. Renewed Feb. 26, 1949, to Cook-Waite Laboratories, Inc., New York, N. Y., a corporation of Delaware. CARTRIDGES FOR CONTAINING MEDICAMENTS FOR USE IN HYPODERMIC SYRINGES. Class 44.

253,315. KLIC-OFF. Registered Feb. 26, 1929. Kimble Glass Company, Vineland, N. J. Renewed Feb. 26, 1949, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio. GLASS AMPOULES. Class 33.

253,349. MERRIGLO. Registered Feb. 26, 1929. Arthur Beir & Co., Inc., New York, N. Y., a corporation of New York. Renewed Feb. 26, 1949. RAYON PIECE GOODS. Class 42.

253,708. BEARFOOT. Registered Mar. 5, 1929. The Bearfoot Sole Company, Inc., Boston, Mass., a corporation of Massachusetts. Renewed Mar. 5, 1949. SOLES OF RUBBER COMPOSITION OR ITS EQUIVALENT FOR BOOTS AND SHOES. Class 39.

253,802. SCOTTS. Registered Mar. 5, 1929. Scott's Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Mar. 5, 1949. MEN'S, WOMEN'S, AND BOYS' CAPS, HATS, AND HELMETS. Class 39.

254,132. HOT-AIR. Registered Mar. 12, 1929. Cardinet Candy Company Inc. Renewed Mar. 12, 1949, to Cardinet Candy Company, Inc., Oakland, Calif., a corporation of California. CANDY. Class 46.

254,402. IVOROY. Registered Mar. 26, 1929. Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut. Renewed Mar. 26, 1949. KNIVES—NAMELY, CAKE KNIVES, CHILDREN'S KNIVES, CARVING KNIVES, DESSERT KNIVES, FRUIT KNIVES, ETC. Class 23.

254,681. "BOSS STOKER" AND CIRCULAR DESIGN. Registered Mar. 26, 1929. The Boss Manufacturing Company, Kewanee, Ill., and Brooklyn, N. Y. Renewed Mar. 26, 1949, to The Boss Manufacturing Company, Kewanee, Ill., a corporation of Illinois. GLOVES AND MITTENS MADE OF FABRIC AND COMBINATIONS OF LEATHER AND FABRIC. Class 39.

254,738. NASH. Registered Mar. 26, 1929. The Nash Engineering Company, South Norwalk, Conn., a corporation of Connecticut. Renewed Mar. 26, 1949 (Supplemental Register). PUMP STRAINERS, SEWAGE EJECTORS, BILGE PUMPS, SUMP PUMPS, VACUUM PUMPS, VACUUM HEATING PUMPS, AIR COMPRESSORS, GAS COMPRESSORS, ETC. Class 23.

254,927. REPRESENTATION OF ROLLING-MILL ROLL WITH ITS WABBLERS LINED FOR WHITE COLOR IN CONTRAST TO THE COLOR OF THE ROLL. Registered Apr. 2, 1929. Mesta Machine Company, West Homestead and Pittsburgh, Pa. Renewed Apr. 2, 1949, to Mesta Machine Company, West Homestead, Pa., a corporation of Pennsylvania. ROLLING-MILL ROLLS. Class 23.

255,227. "SMILE" AND LABEL DESIGN. Registered Apr. 16, 1929. Maurice W. Brill, doing business as Brill Cigars, New York, N. Y. Renewed Apr. 16, 1949, to D W G Cigar Corporation, Detroit, Mich., a corporation of Ohio. CIGARS. Class 17.

255,241. YANG TSE. Registered Apr. 16, 1929. Societe Anonyme des Anciens Etablissements J. M. Paillard, Paris, France, a corporation organized under the laws of the Republice of France. Renewed Apr. 16, 1949. INDIA INK. Class 11.

255,263. HYDRALDEHYDE. Registered Apr. 16, 1929. Watson-Park Company, Boston, Mass., a corporation of Maine. Renewed Apr. 16, 1949. CHEMICAL PREPARATION FOR BLEACHING OR STRIPPING COLORS FROM TEXTILE FIBRES, YARNS, AND FABRICS. Class 6.

255,265. AQUATEX. Registered Apr. 16, 1929. Watson-Park Company, Boston, Mass., a corporation of Maine. Renewed Apr. 16, 1949. CHEMICAL PREPARATION FOR USE IN WATERPROOFING TEXTILE MATERIALS AND TEXTILE FABRICS. Class 6.

255,266. PENOTEX. Registered Apr. 16, 1929. Watson-Park Company, Boston, Mass., a corporation of Maine. Renewed Apr. 16, 1949. CHEMICAL PREPARATION FOR USE AS A WETTING-OUT AND PENETRATING AGENT IN THE PROCESS OF DYEING WOOL, COTTON, FLAX, ETC. Class 6.

255,360. "PRODAG" ENCLOSED BY OVAL OUTLINE. Registered Apr. 23, 1929. Acheson Oildag Company. Renewed Apr. 23, 1949, to Acheson Colloids Corporation, Port Huron, Mich., a corporation of Michigan. PARTING COMPOUNDS FOR MOLDS. Class 1.

255,566. PYROFILL. Registered Apr. 23, 1929. United States Gypsum Company, Chicago, Ill., a corporation of Illinois. Renewed Apr. 23, 1949. PLASTER. Class 12.

255,879. LANAIRCEL. Registered Apr. 30, 1929. McCallum & Craigie, Limited, Shettleston, Glasgow, Scotland, a company incorporated under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Apr. 30, 1949. WOOLEN BLANKETS. Class 42.

256,212. TRUFORM. Registered May 7, 1929. Marlbore Shirt Company, Inc., Baltimore, Md., a corporation of Maryland. Renewed May 7, 1949. MEN'S DRESS SHIRTS AND COLLARS MADE OF COTTON GOODS, RAYON, AND SILK. Class 39.

256,309. STAG. Registered May 14, 1929. Darnee Inc., New York, N. Y. Renewed May 14, 1949, to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware. TOILET PREPARATIONS — NAMELY, HAIR TONIC, VEGETAL, TALCUM, HAIR PASTE, EAU DE QUININE, ETC. Class 6.

256,426. "PURFEX" AND REPRESENTATION OF MAN'S HEAD ENCLOSED BY DIAMOND AND DESIGN. Registered May 14, 1929. Purfex Mfg. Co., Inc., Philadelphia, Pa., a corporation of Delaware. Renewed May 14, 1949. LIQUID PREPARATION FOR FABRIC CLEANERS, METAL POLISH, NICKEL POLISH, HARD GREEN SOAP, VEGETABLE-OIL SOAP, AND VALVE-GRINDING COMPOUND. Class 4.

256,432. INVINCIBLE. Registered May 14, 1929. J. C. Rhodes & Co. Incorporated. Renewed May 14, 1949, to United Shoe Machinery Corporation, Boston, Mass., a corporation of New Jersey. EYELETS. Class 13.

256,494. PERMADOL. Registered May 21, 1929. The Federal Composition & Paint Company, Inc. Renewed May 21, 1949, to The Federal Paint Company, Inc., New York, N. Y., a corporation of New York. BLACK BITUMINOUS LIQUID PAINT FOR THE PROTECTION OF IRON AND STEEL AGAINST CORROSION AND GALVANIC ACTION. Class 16.

256,576. "SUMMER-TEX" AND DESIGN. Registered May 21, 1929. Cohen, Goldman & Co. Inc., New York, N. Y., a corporation of New York. Renewed May 21, 1949. WOVEN FABRIC MADE FROM COMBINATIONS OF PURE WOOL AND SILK. Class 42.

256,577. "WINTER-TEX" ENCLOSED BY RECTANGULAR OUTLINE. Registered May 21, 1929. Cohen, Goldman & Co. Inc., New York, N. Y., a corporation of New York. Renewed May 21, 1949. WOVEN FABRIC MADE FROM PURE WOOL. Class 42.

256,947. STAG. Registered May 28, 1929. Darnee Inc., New York, N. Y. Renewed May 28, 1949, to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware. SHAVING CREAM. Class 4.

257,065. "WEARFLEX" AND UNDERLINE. Registered May 28, 1929. Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York. Renewed May 28, 1949. RUBBER-COMPOSITION SOLES AND HEELS, ARTICS AND TENNIS SHOES MADE OF RUBBER AND FABRIC, AND RUBBER BOOTS AND OVERSHOES. Class 39.

257,188. TIMANG. Registered May 28, 1929. Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a corporation of New Jersey. Renewed May 28, 1949. IRON OR STEEL ALLOYS. Class 14.

257,222. "THE HAIG" AND SHIELD DESIGN ENCLOSED BY RECTANGULAR OUTLINE. Registered June 4, 1929. The J. L. Hudson Company, Detroit, Mich., a corporation of Michigan. Renewed June 4, 1949. OUTER CLOTHING FOR MEN, YOUNG MEN, AND BOYS—NAMELY, COATS, VESTS, TROUSERS, AND OVERCOATS. Class 39.

257,464. "KARL'S KUSTOM MADE" ETC. AND REPRESENTATION OF SHOEMAKER. Registered June 11, 1929. P. Karl. Renewed June 11, 1949, to Karl's Shoe Stores, Ltd., Los Angeles, Calif., a corporation of California. LEATHER SHOES. Class 39.

257,482. "THE FRIENDLY GRIP" AND REPRESENTATION OF RIGHT FOOT. Registered June 11, 1929. Jarman Shoe Company. Renewed June 11, 1949, to General Shoe Corporation, Nashville, Tenn., a corporation of Tennessee. BOOTS, SHOES, AND SLIPPERS OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. Class 39.

257,494. SAVO. Registered June 11, 1929. George D. Ellis & Sons, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 11, 1949. TOY SAVINGS BANKS. Class 22.

257,621. "PURFEX" AND REPRESENTATION OF MAN'S HEAD ENCLOSED BY DIAMOND AND DESIGN. Registered June 11, 1929. Purfex Mfg. Co., Inc., Philadelphia, Pa., a corporation of Delaware. Renewed June 11, 1949. PENETRATING OIL; SPRAYING GUN OIL, WHICH IS USED IN LUBRICATING AUTOMOBILE SPRINGS, ETC. Class 15.

257,661. NUFORZA. Registered June 18, 1929. Georgia-Carolina Oil Company, Macon, Ga., a corporation of Georgia. Renewed June 18, 1949. LUBRICATING OILS AND GREASES. Class 15.

257,662. REPRESENTATION OF CENTAUR FIGURE. Registered June 18, 1929. Chase Brass & Copper Co. Incorporated. Renewed June 18, 1949, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut. SHEET-METAL ELBOWS FOR EAVES-TROUGH LEADERS. Class 12.

257,665. REPRESENTATION OF CENTAUR FIGURE. Registered June 18, 1929. Chase Brass & Copper Co. Incorporated. Renewed June 18, 1949, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut. TUBULAR BODY MEMBERS FOR ELECTRIC FLASH LIGHTS, SOCKET CASINGS INCLUDING CAP AND SHELL MEMBERS, AND SLIP CANOPIES FOR ELECTRIC-LIGHTING FIXTURES. Class 21.

257,666. REPRESENTATION OF CENTAUR FIGURE. Registered June 18, 1929. Chase Brass & Copper Co. Incorporated. Renewed June 18, 1949, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut. WHISTLES USED BY TRAP DRUMMERS. Class 36.

257,668. REPRESENTATION OF CENTAUR FIGURE. Registered June 18, 1929. Chase Brass & Copper Co. Incorporated. Renewed June 18, 1949, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut. FILTERS. Class 31.

257,674. REPRESENTATION OF CENTAUR FIGURE. Registered June 18, 1929. Chase Brass & Copper Co. Incorporated. Renewed June 18, 1949, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut. POLICE WHISTLES. Class 22.

257,679. REPRESENTATION OF CENTAUR FIGURE. Registered June 18, 1929. Chase Brass & Copper Co. Incorporated. Renewed June 18, 1949, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut. BRASS, COPPER, AND NONFERROUS ALLOY SHEETS, RODS, AND PLAIN WIRE; ETC. Class 14.

257,690. REPRESENTATION OF CENTAUR FIGURE. Registered June 18, 1929. Chase Brass & Copper Co. Incorporated. Renewed June 18, 1949, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut. CIGARETTE HUMIDORS AND ASH TRAYS. Class 8.

257,780. REPRESENTATION OF CENTAUR FIGURE. Registered June 18, 1929. Chase Brass & Copper Co. Incorporated. Renewed June 18, 1949, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut. PORTABLE OILERS WITH SPOUTS. Class 2.

257,782. REPRESENTATION OF CENTAUR FIGURE. Registered June 18, 1929. Chase Brass & Copper Co. Incorporated. Renewed June 18, 1949, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut. ACETYLENE LAMPS FOR MINERS' USE AND METAL REFLECTORS AND PARTS THEREFOR. Class 34.

257,783. REPRESENTATION OF CENTAUR FIGURE. Registered June 18, 1929. Chase Brass & Copper Co. Incorporated. Renewed June 18, 1949, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation of Connecticut. METALLIC CAPS AND SUSPENSION RINGS FOR WHISK BROOMS; FOR BRASS, COPPER, AND NONFERROUS ALLOY PIPE AND TUBING; ETC. Class 13.

257,894. PAVOT. Registered June 18, 1929. F. R. Arnold & Company, New York, N. Y., assignors to Parfumerie Roger & Gallet, Société Anonyme, Paris, France. Renewed June 18, 1949, to Roger & Gallet, New York, N. Y., a corporation of New York. TOILET REQUISITES--NAMELY, FACE, TOILET AND SHAMPOO POWDERS, FACE, LIP, AND FINGER-NAIL ROUGES, ETC. Class 6.

258,220. "CORONA" AND REPRESENTATION OF CROWN. Registered July 2, 1929. Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut. Renewed July 2, 1949. CORN GRINDERS, CORN MILLS, AND COFFEE MILLS. Class 23.

258,313. CHOC-O. Registered July 2, 1929. H. B. Hunter Co., Inc., Norfolk, Va., a corporation of Virginia. Renewed July 2, 1949. FOOD PREPARATIONS OF CHOCOLATE, COCOA, SUGAR, AND WATER AND FOOD PREPARATIONS OF CHOCOLATE, COCOA, SUGAR, AND MILK. Class 46.

258,385. "GOOD LUCK" ETC. WITH REPRESENTATION OF SWASTIKA AND HORSE AND OTHER FEATURES ENCLOSED WITHIN CIRCULAR DESIGNS. Registered July 9, 1929. The Excelsior Shoe Company, Portsmouth, Ohio. Renewed July 9, 1949, to General Shoe Corporation, Nashville, Tenn., a corporation of Tennessee. SHOES AND BOOTS MADE OF LEATHER, RUBBER, AND OTHER FABRIC AND COMBINATIONS OF ANY OF THOSE MATERIALS. Class 39.

258,426. ROYAL BAKER. Registered July 9, 1929. Haas, Baruch & Co., Los Angeles, Calif., a corporation of California. Renewed July 9, 1949. CANNED VEGETABLES AND CANNED FRUITS. Class 46.

258,580. SEALAC. Registered July 9, 1929. Duralac Chemical Corporation, Newark, N. J., a corporation of New Jersey. Renewed July 9, 1949. DRY, PASTE AND READY-MIXED PAINTS, VARNISHES, STAINS, PAINT ENAMELS, ETC. Classes 12 and 16.

258,868. REPRESENTATION OF A HORSE AND DESIGN. Registered July 16, 1929. The United States Leather Selling Corporation. Renewed July 16, 1949, to The United States Leather Company, New York, N. Y., a corporation of New Jersey. SOLE LEATHER IN ALL ITS FORMS. Class 1.

259,110. ANAHEIM SUPREME. Registered July 23, 1929. Anaheim Citrus Fruit Association, Anaheim, Calif., a corporation of California. Renewed July 23, 1949. FRESH CITRUS FRUITS. Class 46.

259,146. "RUSCO 1830 BELTING" AND DRAWING. Registered July 23, 1929. The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut. Renewed July 23, 1949. BELTING FOR POWER TRANSMISSION, ELEVATING AND CONVEYING PURPOSES. Class 35.

259,598. TITAN-O-ZINC. Registered Aug. 6, 1929. The Glidden Company, Cleveland, Ohio, a corporation of Ohio. Renewed Aug. 6, 1949. READY-MIXED PAINTS AND ENAMELS. Class 16.

259,660. "EXCHANGE X" AND DESIGN. Registered Aug. 6, 1929. The Exchange Orange Products Company, Ontario, Calif., assignor to California Fruit Growers Exchange. Renewed Aug. 6, 1949, to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California. PECTIN SOLUTIONS, PREPARATIONS, AND COMPOSITIONS CONSISTING OF PECTIN MIXED WITH WATER, ETC. Classes 6, 45, and 46.

259,661. "EXCHANGE X" AND DESIGN. Registered Aug. 6, 1929. The Exchange Orange Products Company, Ontario, Calif., assignor to California Fruit Growers Exchange. Renewed Aug. 6, 1949, to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California. PECTIN SOLUTIONS, PECTIN COMPOUNDS, PECTIN PREPARATIONS, CONCENTRATED FRUIT JUICES, ETC. Class 45.

259,960. REPRESENTATION OF TWO OPPOSITELY FACING PROFILES OF MAN'S HEAD. Registered Aug. 13, 1929. A. W. Faber Inc. Renewed Aug. 13, 1949, to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J., a corporation of New Jersey. LEAD PENCILS, COLORED PENCILS, COPYING PENCILS, INK PENCILS, SCREW PENCILS, RUBBER PENCILS, CRAYON PENCILS, SLATE PENCILS, ETC. Classes 13 and 37.

259,961. JANUS. Registered Aug. 13, 1929. A. W. Faber Inc. Renewed Aug. 13, 1949, to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J., a corporation of New Jersey. LEAD PENCILS, COLORED PENCILS, COPYING PENCILS, INK PENCILS, SCREW PENCILS, RUBBER PENCILS, CRAYON PENCILS, SLATE PENCILS, ETC. Classes 13 and 37.

260,263. TIDEWATER. Registered Aug. 20, 1929. Taylor & Sledd, Inc., Richmond, Va., a corporation of Virginia. Renewed Aug. 20, 1949. CANNED FISH, SALT FISH, CANNED VEGETABLES, AND CANNED HERRING ROE. Class 46.

260,302. EYPTIAN. Registered Aug. 20, 1929. The Cando Corporation, Cambridge, Mass. Renewed Aug. 20, 1949, to Cando Company, Boston, Mass., a corporation of Massachusetts. DEODORIZERS. Class 6.

260,501. BRILLO. Registered Aug. 27, 1929. Brillo Manufacturing Company, Inc., Brooklyn, N. Y., a corporation of New York. Renewed Aug. 27, 1949. PAD HOLDERS. Class 29.

260,785. "RIALTO" AND ITALIAN PLEASURE BOAT SCENE. Registered Aug. 27, 1929. Cumberland Macaroni Mfg. Company, Cumberland, Md., a firm. Renewed Aug. 27, 1949. MACARONI. Class 46.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

45,016. "POCAHONTAS" AND FANCIFUL FIGURE. Registered Aug. 1, 1905. Castner, Curran & Bullitt, Philadelphia, Pa., New York, N. Y., etc. COAL. Class 1. Corrected as follows: In the second renewal certificate, line 2, "Delaware" should be *Virginia*.

45,016. "POCAHONTAS" AND FANCIFUL FIGURE. Registered Aug. 1, 1905. Castner, Curran & Bullitt, Philadelphia, Pa., New York, N. Y., etc. COAL. Class 1. Disclaimed as follows: Castner, Curran & Bullitt, Inc., hereby enters its disclaimer of the following words "Norfolk and Western Railway Co."

249,570. ABRONIA. Registered Nov. 20, 1928. Coachella Valley Grape Growers Assn., Coachella, Calif. FRESH GRAPES. Class 46. Corrected as follows: In the statement, lines 1 and 2, "a voluntary association" should be *a corporation*.

254,924. '77'. Registered Apr. 2, 1929. Phillips Petroleum Company, Bartlesville, Okla. GASOLINES. Class 15. The drawing is hereby amended to appear as follows:

77

256,588. DON-DE. Registered May 21, 1929. The Weppner Well Company, Cleveland, Ohio. COFFEE. Class 46. Corrected as follows: In the notice of republication appearing above the heading to the statement, "Well & Company" should be *Weil & Company*.

382,601. EVANS'. Registered Oct. 29, 1940. George B. Evans Laboratories, Inc., Philadelphia, Pa. KYE LOTION AND DEPILATORIES. Class 6. Amended as follows: In the statement, lines 8 and 9, "and depilatories" is deleted.

393,195. "MUNCHY" AND PICTURE OF DOG. Registered Jan. 27, 1942. The Park & Pollard Co. Inc., Buffalo, N. Y. DOG FOOD. Class 46. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statemeot; in line 1 of the statement; and in the printed signature to the statement, "The Park & Pollard Co. Inc." should be *The Park and Pollard Company, Inc.*; and in line 4 of the certificate, and lines 2 and 3 of the statement, "New York" (first occurrence) should be *Massachusetts*.

433,527. "KING-SIZE" AND DESION. Registered Oct. 14, 1947. Hewes & Potter, Inc., Boston, Mass. NECKTIES AND CRAVATS. Class 39. The drawing is hereby amended to appear as follows:



TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 186,388. Registered July 8, 1924. THE GRIESS-PFLEGER TANNING CO., Cincinnati, Ohio, a corporation of Ohio. Repnblished by registrant, present address Waukegan, Ill.

LOZANT

FOR LEATHER.
Claims use since on or about Aug. 26, 1907.

Reg. No. 264,640. Registered Dec. 3, 1929. THE NEWPORT COMPANY, Carrollville, Wis. Republished by Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware.

SOLROS

FOR ROSIN.
Claims use since Feb. 9, 1927.

Ser. No. 265,506. Registered Dec. 31, 1929. MIDLAND COAL SALES COMPANY, Cincinnati, Ohio. Republished by The Midland Coal Corporation, Cincinnati, Ohio, a corporation of Ohio.



FOR COAL.
Claims use since March 1926.

Reg. No. 276,053. Registered Oct. 7, 1930. MIDLAND COAL SALES COMPANY, Cincinnati, Ohio. Republished by The Midland Coal Corporation, Cincinnati, Ohio, a corporation of Ohio.



The words and numerals shown on drawing are disclaimed apart from the mark as shown.
FOR COAL.
Claims use since September 1927.

Reg. No. 411,799. Registered Feb. 6, 1945. CONTINENTAL CARBON COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

CONTINEX

FOR CARBON BLACK.
Claims use since April 1939.

Reg. No. 411,800. Registered Feb. 6, 1945. CONTINENTAL CARBON COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

KNIGHT

FOR CARBON BLACK.
Claims use since April 1939.

Reg. No. 418,226. Registered Dec. 11, 1945. WITCO CHEMICAL COMPANY, Chicago, Ill., a corporation of Illinois. Repnblished by registrant.

WITCOLAC

FOR GAS CARBON BLACK.
Claims use since January 1936.

Reg. No. 418,227. Registered Dec. 11, 1945. WITCO CHEMICAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

WITCOLITH

FOR GAS CARBON BLACK.
Claims use since January 1936.

Reg. No. 429,016. Registered Apr. 15, 1947. WITCO CHEMICAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

EMULSOBLAK

FOR CARBON BLACK DISPERSED OR SUSPENDED IN WATER.
Claims use since July 1943.

Reg. No. 438,701. Registered May 11, 1948. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa. Republished by Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware.

DURAPLEX

FOR SYNTHETIC RESINOUS MATERIALS OF THE DRYING OIL-MODIFIED AND NON-DRYING OIL-MODIFIED ALKYD TYPE FOR USE IN THE MANUFACTURE OF PAINTS, VARNISHES, LACQUERS, ADHESIVES, FINISHES, FILMS, AND PRINTING INKS.
Claims use since Oct. 11, 1930.

Reg. No. 438,855. Registered May 11, 1948. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa. Republished by Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware.

AMBERLITE

FOR SYNTHETIC RESINOUS MATERIALS IN THE FORM OF GRANULES, POWDERS, AND SOLUTIONS FOR USE IN ADHESIVES.
Claims use since Nov. 2, 1940.

CLASS 2

RECEPTACLES

Reg. No. 54,753. Registered June 26, 1906. J. P. EGGIS MFG. CO., Portland, Maine. Republished by Burnitol Manufacturing Co., Boston, Mass., a corporation of Maine.

The Brasscrafters

FOR HOLDERS FOR SOAP, SPONGES, BRUSHES, TOWELS, TUMBLERS, AND PAPER HOLDERS.
Claims use since July 1901.

Reg. No. 434,078. Registered Nov. 4, 1947. WILBERT W. HAASE CO., Forest Park, Ill., a corporation of Illinois. Republished by registrant.

CONTINENTAL

The drawing is lined for the colors blue and gold.
FOR BURIAL VAULTS.
Claims use since in or about the month of September 1940.

Reg. No. 439,424. Registered June 22, 1948. SPIN-IT, INC., Malden, Mass., a corporation of Massachusetts. Republished by registrant.

ICINGLES

FOR EMPTY PLASTIC CUPS FOR HOLDING LIQUID OR SOLID FOOD.
Claims use since Feb. 3, 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 259,966. Registered Aug. 13, 1929. GATE CITY OIL CO., Kansas City, Mo. Republished by C. N. Hubbard, Kansas City, Mo.



The drawing is lined to indicate the color green.
FOR NONEXPLOSIVE NAPHTHA COMPOUND FOR CLEANING FABRIC, FELT, LEATHER, AND OTHER CLOTHING MATERIALS, AND ALSO FOR GENERAL HOUSE CLEANING USE.
Claims use since November 1927.

Reg. No. 328,758. Registered Apr. 20, 1935. THE MATCHLESS METAL POLISH CO., Chicago, Ill., and Glen Ridge, N. J., a corporation of Illinois. Republished by registrant.



The word "Rinse" is disclaimed apart from the mark as shown.
FOR BUFFING AND/OR POLISHING COMPOSITION TO BE APPLIED ON BUFFING AND/OR POLISHING WHEELS, IN THE BUFFING AND/OR POLISHING OF METALS, WOOD, OR OTHER MATERIALS.
Claims use since Jan. 1, 1932.

Reg. No. 397,218. Registered Aug. 26, 1942. THE SPECIAL FORMULA CORPORATION, Bloomfield, N. J., and New York, N. Y. Republished by Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware.



FOR WASHING AND CLEANING PREPARATION.
Claims use since Nov. 15, 1933.

CLASS 5

ADHESIVES

Reg. No. 47,847. Registered Nov. 21, 1905. CUDAHY BROTHERS CO., Cudahy, Wis., a corporation of Wisconsin. Republished by registrant.

STICKO

FOR GLUE.
Claims use since May 18, 1901.

Reg. No. 235,618. Registered Nov. 22, 1927. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

ADHESITE

FOR GLUES, CEMENTS, AND GLUE CEMENT.
Claims use since Mar. 5, 1927.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 94,031. Registered Oct. 28, 1913. THE SCHOLL MANUFACTURING COMPANY, Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

FIXO

FOR CORN-PLASTERS AND FOOT-POWDERS.
Claims use since 1906.

Reg. No. 167,809. Registered May 5, 1923. CLARA M. SHIPMAN, doing business as C. A. Mosso Laboratories, Chicago, Ill. Republished by C. A. Mosso Company, Chicago, Ill., a firm.



FOR ANTISEPTIC LINIMENT FOR THE FIRST AID TREATMENT OF BURNS, CUTS, BRUISES, INFLAMMATIONS, AND MINOR INJURIES.
Claims use since June 8, 1922.

Reg. No. 191,920. Registered Nov. 25, 1924. MALCOLM G. GIBBS, doing business as Key Chemical Company, Washington, D. C. Republished by E-Z Chemical Company, Washington, D. C., a corporation of Delaware.

E-Z

FOR LAXATIVE MEDICINAL PREPARATION.
Claims use since 1895.

Reg. No. 206,658. Registered Dec. 8, 1925. AKTIENGESELLSCHAFT VORMALS B. SIEGFRIED, Zofingen, Switzerland. Republished by Gane & Ingram, Inc., New York, N. Y., a corporation of New York.

CALMITOL

FOR PHARMACEUTICAL PRODUCT—NAMELY, A PREPARATION FOR SKIN ITCHING.
Claims use since about August 1922.

Reg. No. 217,396. Registered Aug. 31, 1926. WISHNICK-TUMPEER CHEMICAL CO., Chicago, Ill. Republished by Witco Chemical Company, Chicago, Ill., a corporation of Illinois.

Rub-Tack

FOR RUBBER SOFTENERS.
Claims use since Apr. 5, 1926.

Reg. No. 243,240. Registered June 12, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Footdok

FOR MEDICATED AND PERFUMED FOOT-BATH TABLET.
Claims use since June 1, 1913.

Reg. No. 243,618. Registered June 26, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Wenal

FOR LUBRICATING AND SOOTHING OINTMENT FOR PAINFUL BUNIONS AND STIFF JOINTS.
Claims use since June 1, 1913.

Reg. No. 243,734. Registered June 26, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Ligtone

FOR LINIMENT FOR THE RELIEF OF PAIN, FOOT TROUBLES SUCH AS CORNS AND CALLOUSES, NEURALGIA, NEURITIS SORE AND ACHING MUSCLES, STIFF NECK, SPRAINED ANKLES, FOOT STRAIN, BITES, STINGS, RHEUMATISM, SCIATICA, AND LUMBAGO.
Claims use since Sept. 1, 1915.

Reg. No. 257,604. Registered June 11, 1929. GENERAL NAVAL STORES COMPANY, INC., New York, N. Y. Republished by Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware.

No. 5

FOR PINE OIL.
Claims use since May 10, 1915.

Reg. No. 257,605. Registered June 11, 1929. GENERAL NAVAL STORES COMPANY, INC., New York, N. Y. Republished by Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware.

G.N.S.

FOR PINE OIL.
Claims use since May 10, 1915.

Reg. No. 275,209. Registered Sept. 16, 1930. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Dr. Scholl's Zino-pads



The word "Pads" and the representation of the pads are disclaimed apart from the mark as shown.
FOR ADHESIVE MEDICATED SHIELDS OR PADS FOR CORNS, CALLOUSES, AND BUNIONS.
Claims use since June 16, 1921.

Reg. No. 278,423. Registered Dec. 16, 1930. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.



The word "Pads" and the representation of the pad is disclaimed apart from the mark as shown.
FOR ADHESIVE MEDICATED SHIELDS OR PADS FOR CORNS.
Claims use since Jan. 2, 1930.

Reg. No. 295,814. Registered July 12, 1932. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Presto

FOR ADHESIVE MEDICATED SHIELDS, PADS OR PLASTERS FOR CORNS, CALLOUSES, AND BUNIONS.
Claims use since Nov. 26, 1930.

Reg. No. 305,473. Registered Aug. 15, 1933. THE SCHOLL MFG. CO., INC., New York, N. Y., and Chicago, Ill., a corporation of New York. Republished by registrant, present address Chicago, Ill.

Pedicreme

FOR ANALGESIC CREAM SUITABLE FOR USE AS A RELIEF FOR SORE OR TENDER FEET, INFLAMATION FROM SUNBURN OR INSECT BITES, AND FOR OTHER HEALING PURPOSES.
Claims use since July 1, 1931.

Reg. No. 320,445. Registered Jan. 1, 1935. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

MEDISK

FOR MEDICATED CORN PLASTERS AND PADS, MADE OF MEDICATED ADHESIVE PLASTER AND SIMILAR MATERIAL.
Claims use since Aug. 6, 1934.

Reg. No. 321,752. Registered Feb. 12, 1935. THE SCHOLL MFG. CO., INC., New York, N. Y., and Chicago, Ill., a corporation of New York. Republished by registrant, present address Chicago, Ill.

Solvex

FOR PREPARATION FOR THE RELIEF OF EPIDERMOPHYTOSIS, GOLFER'S ITCH, GYM FOOT, ATHLETE'S FOOT, RINGWORM, ITCHING FEET AND TOES, ECZEMA OF THE FEET, AND OTHER SKIN AILMENTS.
Claims use since Mar. 1, 1930.

Reg. No. 325,377. Registered June 18, 1935. THE SCHOLL MFG. CO., INC., New York, N. Y., and Chicago, Ill., a corporation of New York. Republished by registrant, present address Chicago, Ill.

"3" Necessities

FOR CREAMS, SALVES, OINTMENTS, POWDERS, LIQUIDS, PREPARATIONS FOR CLEANSING THE FEET, RELIEVING FOOT AILMENTS, AND ANTISEPTICIZING AND DEODORIZING THE FEET AND SHOES.
Claims use since 1917.

Reg. No. 327,406. Registered Aug. 27, 1935. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Dr. Scholl's Double Duty Corn Kit

The words "Corn Kit" are disclaimed apart from the mark as shown.
FOR MEDICATED CORN PLASTERS AND PADS, AND CORN SALVE.
Claims use since Jan. 3, 1928.

Reg. No. 328,434. Registered Sept. 24, 1935. HOWARD S. GROVE, Los Angeles, Calif. Republished by Howe-Lewis, Inc., Los Angeles, Calif., a corporation of California.

SOFENZ

FOR TOILET LOTION.
Claims use since Apr. 2, 1935.

Reg. No. 339,576. Registered Oct. 13, 1936. WALLERSTEIN COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SORBAN

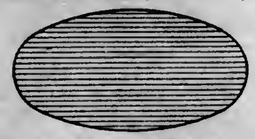
FOR ABSORBENTS.
Claims use since about November 1934.

Reg. No. 343,932. Registered Mar. 9, 1937. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

DE LUXE

FOR MEDICATED CORN PADS.
Claims use since Jan. 10, 1934.

Reg. No. 348,879. Registered Aug. 17, 1937. THE SCHOLL MFG. CO., INC., New York, N. Y., and Chicago, Ill., a corporation of New York. Republished by registrant, present address Chicago, Ill.



The drawing is lined for the color blue.
FOR FOOT LOTION, CORN SALVE, FOOT BALM, CALLOUS SALVE, ANTISEPTIC FOOT SALVE, MEDICATED BUNION PADS, MEDICATED CORN PLASTERS, MEDICATED CORN TREATMENT, FOOT POWDER, FOOT BATH TABLETS, SHOE DEODORIZER, FUNGICIDE AND STERILIZER, FOOT DEODORIZER, LINIMENT, CHILBLAIN LOTION, BUNION LOTION, BATH SALTS, PREPARATION FOR TREATMENT OF INGROWING TOE NAILS, MEDICATED CORN PADS, ADHESIVE BANDAGES AND PLASTERS.
Claims use since 1912.

Reg. No. 349,450. Registered Aug. 31, 1937. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

FOOT CLINIC

The word "Foot" is disclaimed apart from the mark as shown.
FOR MEDICATED CORN, CALLOUS, AND BUNION PADS.
Claims use since Dec. 5, 1935.

Reg. No. 367,617. Registered May 23, 1939. CONTINENTAL CARBON COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

CONTINENTAL

FOR CARBON BLACK HAVING A VARIETY OF USES IN THE INDUSTRIAL ARTS.
Claims use since March 1937.

Reg. No. 401,130. Registered Apr. 27, 1943. WINNER MANUFACTURING CO. INC., Trenton, N. J. Republished by Atlantic-Pacific Manufacturing Corp., Brooklyn, N. Y., a corporation of New York.

HYDROTUF

FOR SEMISOLID COATING MATERIAL NOT IN THE NATURE OF A PAINT FOR USE IN WATERPROOFING POROUS BASE MATERIALS.
Claims use since May 1, 1942.

Reg. No. 404,588. Registered Dec. 7, 1943. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

HALLUXOL

FOR LOTION FOR BUNIONS.
Claims use since May 3, 1943.

Reg. No. 404,799. Registered Dec. 21, 1943. WISHNICK-TUMPEER, INC., Chicago, Ill. Republished by Witco Chemical Company, Chicago, Ill., a corporation of Illinois.

BLANCAL

FOR COMPOSITE BARIUM-CALCIUM EXTENDER.
Claims use since May 1941.

Reg. No. 418,252. Registered Dec. 11, 1945. C. A. MOSSO COMPANY, Chicago, Ill., a firm. Republished by registrant.

MOSSO'S

FOR ANTISEPTIC PREPARATION FOR USE AS A WET DRESSING.
Claims use since Dec. 1, 1885.

Reg. No. 421,305. Registered May 28, 1946. WITCO CHEMICAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

BLACK DIAMOND

The word "Black" is disclaimed as constituting a part of the mark.
FOR PETROLEUM ASPHALT PRODUCT USED AS A SOFTENING AGENT IN THE COMPOUNDING OF RUBBER.
Claims use since 1929.

Reg. No. 422,591. Registered July 30, 1946. ROBERT D. SPIERS, doing business as Robert D. Spiers Laboratories, St. Petersburg, Fla. Republished by Dianol, Incorporated, St. Petersburg, Fla., a corporation of Florida.

DIANOL

FOR INSECTICIDE AND INSECT REPELLANT.
Claims use since Nov. 28, 1945.

Reg. No. 426,247. Registered Dec. 24, 1946. WITCO CHEMICAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MONTY WAX

The word "Wax" is disclaimed as constituting a part of the mark.
FOR HARD WAX-LIKE SUBSTANCE COMPOSED OF SEVERAL CHEMICALS, CONTAINING NO PETROLEUM DERIVATIVES, USED IN RUBBER COMPOUNDING AND IN PLASTIC COMPOSITION.
Claims use since March 1942.

Reg. No. 437,857. Registered Mar. 30, 1948. T. ROY BARNES, Tulsa, Okla. Republished by registrant.

MAG-SO-LAX

The word "Lax" is disclaimed apart from the mark as shown.
FOR ANTI-ACID LAXATIVE.
Claims use since 1927.

Reg. No. 439,291. Registered June 15, 1948. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

Minute Man

FOR SHAMPOO.
Claims use since May 13, 1946.

Reg. No. 439,295. Registered June 15, 1948. ANSUL CHEMICAL COMPANY, Marinette, Wis., a corporation of Wisconsin. Republished by registrant.

THE MASTER OF FLAME

The word "Flame" is disclaimed apart from the mark as shown.
FOR COMMINUTED, FREE-FLOWING, FIRE-EXTINGUISHING DRY CHEMICAL.
Claims use since May 17, 1946.

CLASS 7
CORDAGE

Reg. No. 436,047. Registered Jan. 20, 1948. TUBBS CORDAGE COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

TUBBS

FOR ROPES, CORDS, AND TWINES MADE FROM HARD FIBRES.
Claims use since on or about July 1, 1856.

CLASS 12
CONSTRUCTION MATERIALS

Reg. No. 265,523. Registered Dec. 31, 1929. CENTURY CEMENT CORPORATION, Rosendale, N. Y. Republished by Century Cement Manufacturing Company, Inc., Rosendale, N. Y., a corporation of New York.

CENTURY

FOR CEMENT FOR CONSTRUCTION WORK.
Claims use since on or about Feb. 25, 1929.

Reg. No. 273,127. Registered July 22, 1930. CENTURY CEMENT CORPORATION, Rosendale, N. Y. Republished by Century Cement Manufacturing Company, Inc., Rosendale, N. Y., a corporation of New York.



The word "Cement" is disclaimed apart from the mark as shown.
FOR CEMENT FOR CONSTRUCTION WORK.
Claims use since on or about Aug. 23, 1929.

Reg. No. 324,608. Registered May 21, 1935. N. V. TOT VOORTS. DER BAKEN VAN PIETER SCHOEN & ZOON, Zaandam, Netherlands. Republished by Pieter Schoen & Zoon N. V., Zaandam, Netherlands, a limited liability company organized and existing under the laws of the Kingdom of the Netherlands.

STOPSTARA

FOR GLAZER'S PUTTY; STIFF, DRY, PASTE, AND READY-MIXED PAINT; OILS USED FOR MANUFACTURING PAINTS, LACQUERS-PAINTS, AND VARNISHES.
Claims use since May 27, 1930.

CLASS 13
HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 54,753. Registered June 26, 1906. J. P. BURTIS MFG. CO., Portland, Maine. Republished by Burnitol Manufacturing Co., Boston, Mass., a corporation of Maine.

The Brasscrafters

FOR HOLDERS FOR SOAP, SPONGES, BRUSHES, TOWELS, TUMBLERS, AND PAPER HOLDERS.
Claims use since July 1901.

Reg. No. 120,995. Registered Mar. 19, 1918. THE NEWPORT ROLLING MILL COMPANY, Newport, Ky. Republished by International Detroit Corporation, Detroit, Mich., a corporation of Indiana.



FOR CORRUGATED CULVERTS, PLAIN CONDUCTOR-PIPES, ROUND CORRUGATED CONDUCTOR-PIPES, SQUARE CONDUCTOR-PIPES, PLAIN CONDUCTOR-PIPE ELBOWS AND SHOES, ROUND CORRUGATED CONDUCTOR-PIPE ELBOWS AND SHOES, SQUARE CORRUGATED CONDUCTOR-PIPE ELBOWS AND SHOES.
Claims use since Apr. 13, 1891.

Reg. No. 143,927. Registered June 21, 1921. CRANE COMPANY, Chicago, Ill. Republished by Crane Co., Chicago, Ill., a corporation of Illinois.



FOR SCREWED PIPE FITTINGS, PIPE FLANGES, SCREWED AND FLANGED PIPE UNIONS, STOP VALVES, GATE VALVES AND CHECK VALVES, ALL MADE OF BRASS, CAST IRON, MALLEABLE IRON, FERROSTEEL, CAST, FORGED OR ROLLED STEEL OR OTHER ALLOYS.
Claims use since Aug. 1, 1896.

Reg. No. 283,724. Registered June 2, 1931. FRANTZ MANUFACTURING COMPANY, Sterling, Ill., a corporation of Illinois. Republished by registrant.

Over-the-Top

FOR DOOR EQUIPMENT, INCLUDING HARDWARE FOR DOORS OPENING OVERHEAD—NAMELY, ARMS, ARM BEARINGS, ARM ANGLE BRACKETS, PULLS, TRACK BRACKETS, SPRING CLIPS, SPRING ANCHOR BRACES, SPRING ANCHOR BRACKETS, ANGLE-IRON BRACES, TRACKS, BRACES, WASHERS, DROP STRAPS, ARM PLATES, GOOSENECKS, TRUCKS, SPRING STUD ROLLER CASES, ROLLER BEARINGS, EXTENSION-TYPE SPRINGS, COMPRESSION (BUMPER) SPRINGS, BEARING STUDS, SPRING STUDS, RIVETS, BALLS, NUTS, SCREW EYES, LAG SCREWS, BOLTS, AND ESCUTCHEON PINS.
Claims use since Aug. 15, 1930.

Reg. No. 370,772. Registered Sept. 5, 1939. CENTURY METALCRAFT CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant, present address Los Angeles, Calif.

GUARDIAN

FOR ALUMINUM COOKING AND SERVING HOLLOW WARE.
Claims use since Dec. 30, 1938.

CLASS 15

OILS AND GREASES

Reg. No. 145,778. Registered Aug. 16, 1921. PHINNY BROTHERS COMPANY, Oil City, Pa. Republished by Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware.

Quaker State

FOR LUBRICATING OILS AND GREASES, FUEL AND ILLUMINATING OILS, ROAD-OILS, BLENDED AND STRAIGHT REFINED GASOLINE AND WAX—NAMELY, PARAFFIN REFINED FROM PARAFFIN CRUDE PETROLEUM.
Claims use since 1914.

Reg. No. 166,155. Registered Mar. 27, 1923. THE CONTINENTAL OIL COMPANY, Denver, Colo. Republished by Continental Oil Company, Ponca City, Okla., a corporation of Delaware.

MOTORINE

FOR LUBRICATING OILS AND GREASES.
Claims use since about June 1911.

Reg. No. 302,949. Registered May 2, 1933. MACMILLAN PETROLEUM CORPORATION, Los Angeles, Calif., a corporation of Delaware. Republished by registrant.

RING-FREE

FOR PETROLEUM PRODUCTS CONSISTING OF GASOLINE, KEROSENE, LUBRICATING OILS, AND LUBRICATING GREASES.
Claims use since Nov. 2, 1932.

Reg. No. 302,950. Registered May 2, 1933. MACMILLAN PETROLEUM CORPORATION, Los Angeles, Calif., a corporation of Delaware. Republished by registrant.

RING-FREE



The representation of a piston is disclaimed apart from the mark as shown.
FOR PETROLEUM PRODUCTS CONSISTING OF GASOLINE, KEROSENE, LUBRICATING OILS, AND LUBRICATING GREASES.
Claims use since Nov. 2, 1932.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 120,422. Registered Feb. 5, 1918. PHELAN-FAUST PAINT MANUFACTURING COMPANY, St. Louis, Mo. Republished by Phelan-Faust Paint Mfg. Co., St. Louis, Mo., a corporation of Missouri.

Hollanite

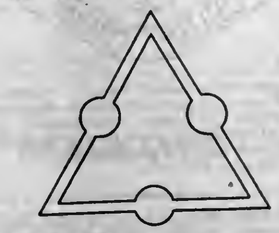
FOR ENAMEL PAINT.
Claims use since about Jan. 1, 1915.

Reg. No. 267,003. Registered Feb. 11, 1930. THE NEWPORT COMPANY, Carrollville, Wis. Republished by Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware.



FOR TURPENTINE.
Claims use since August 1924.

Reg. No. 267,004. Registered Feb. 11, 1930. THE NEWPORT COMPANY, Carrollville, Wis. Republished by Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware.



FOR TURPENTINE.
Claims use since September 1916.

Reg. No. 331,732. Registered Jan. 21, 1936. AMERICAN ASPHALT PAINT COMPANY, Chicago, Ill. Republished by American-Marietta Company, Chicago, Ill., a corporation of Illinois.

VALDURA

FOR ASPHALT PAINT, ASPHALT ALUMINUM PAINT, PAINT ENAMELS, DECORATIVE UNDERCOAT, ENAMELIZED PAINT, REDUCING OIL, AND IMPROVED ASPHALT PAINT.
Claims use since January 1914.

Reg. No. 324,608. Registered May 21, 1935. N. V. TOT VOORTZ. DER SAKEN VAN PIETER SCHOEN & ZOON, Zaandam, Netherlands. Republished by Pieter Schoen & Zoon N. V., Zaandam, Netherlands, a limited liability company organized and existing under the laws of the Kingdom of the Netherlands.

STOPSTARA

FOR GLAZER'S PUTTY; STIFF, DRY, PASTE, AND READY-MIXED PAINT; OILS USED FOR MANUFACTURING PAINTS, LACQUERS-PAINTS, AND VARNISHES.
Claims use since May 27, 1930.

Reg. No. 415,969. Registered Aug. 21, 1945. WITCO CHEMICAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

WITCOTE

FOR INDUSTRIAL ASPHALT PAINT.
Claims use since September 1942.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 439,056. Registered June 1, 1948. FLEMING-HALL TOBACCO CO., INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

SKIS

FOR CIGARETTES.
Claims use since Dec. 10, 1946.

CLASS 19

VEHICLES

Reg. No. 143,508. Registered May 31, 1921. JOHN WARREN WATSON COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

STABILATOR

FOR SHOCK ABSORBERS FOR VEHICLES.
Claims use since July 13, 1920.

CLASS 20

LINOLEUM AND OILED CLOTH

Reg. No. 439,483. Registered June 29, 1948. SPIEGEL, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant.

Super Sarvoleum

FOR FELT BASE TYPE FLOOR COVERINGS.
Claims use since July 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 252,608. Registered Feb. 12, 1929. OHMITE MANUFACTURING COMPANY, Chicago, Ill. Republished by Ohmite Manufacturing Company (1943), Chicago, Ill., a corporation of Illinois.

OHMITE

FOR RESISTORS FOR VOLTMETERS, X-RAY WORK, ELECTRIC LOCOMOTIVES, DIMMING HEADLIGHTS; RADIO RECEIVERS, TRANSMITTERS, AND BATTERY ELIMINATORS; ELECTRIC-FURNACE CONTROL, MOTOR-SPEED CONTROL, ETC.
Claims use since Aug. 1, 1925.

Reg. No. 312,555. Registered May 1, 1934. CONTINENTAL CORPORATION, Chicago, Ill. Republished by Continental Products, Inc., Chicago, Ill., a corporation of Illinois.

Continental

FOR SPARK PLUGS AND DISTRIBUTORS, COILS, CABLES, AND TIMERS, USED FOR AUTOMOBILE IGNITION.
Claims use since Apr. 1, 1933.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 418,813. Registered Jan. 8, 1946. FRED ARBOGAST, Akron, Ohio. Republished by Fred Arbogast and Co., Inc., Akron, Ohio, a corporation of Ohio.

HULA SKIRTS

FOR ARTIFICIAL FISH BAIT.
Claims use since Dec. 1, 1935.

Reg. No. 421,770. Registered June 18, 1946. PAUL BUNYAN BAIT COMPANY, Minneapolis, Minn. Republished by The Paul Bunyan Bait Company, Minneapolis, Minn., a corporation of Minnesota.



FOR FISHING TACKLE—NAMELY, SPOONS, LURES, BOBBERS, SINKERS, ARTIFICIAL FLIES, TACKLE BOXES, DECOYS, AND MINNOW PAILS.
Claims use since on or about Jan. 1, 1936.

Reg. No. 425,291. Registered Nov. 12, 1946. FRED ARBOGAST, Akron, Ohio. Republished by Fred Arbogast and Co., Inc., Akron, Ohio, a corporation of Ohio.

Hula Spinner

The word "Spinner" is disclaimed apart from the mark as shown.
FOR ARTIFICIAL FISH BAIT.
Claims use since Nov. 1, 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 73,931. Registered June 1, 1909. BEMIS & CALL HARDWARE & TOOL COMPANY, Springfield, Mass. Republished by The Billings & Spencer Company, Hartford, Conn., a corporation of Connecticut.

B&C

FOR WRENCHES.
Claims use since Dec. 10, 1908.

Reg. No. 143,909. Registered June 21, 1921. SAMUEL E. BERNSTEIN, New York, N. Y. Republished by National Silver Company, New York, N. Y., a corporation of New York.

ROYAL BRAND
SHARP-CUTTER
CUTLERY COMPANY

The words "Sharp-Cutter," "Brand," "Cutlery," and "Company" are disclaimed apart from the mark as shown.
FOR STEEL CUTLERY COMPRISING TABLE-KNIVES, TABLE FORKS, POCKET-KNIVES, BUTCHER AND KITCHEN KNIVES, AND RAZORS.
Claims use since June 1914.

Reg. No. 202,457. Registered Aug. 25, 1925. THE CAMPBELL-HAUSFELD COMPANY, Harrison, Ohio, a corporation of Ohio. Republished by registrant.

PARAGON SPRAYER

Applicant disclaims any right to the exclusive use of the word "Sprayer" except in the precise relation and association in which the same appears in the drawing.
FOR MACHINES FOR SPRAYING LIQUIDS.
Claims use since on or about Nov. 20, 1921.

Reg. No. 207,841. Registered Jan. 12, 1926. AKTIEBOLAGET FORMATOR, Stockholm, Sweden, a corporation organized under the laws of Sweden. Republished by registrant.

FORMATOR

FOR CIGAR AND CIGARETTE MAKING MACHINES AND OTHER MACHINES PERTAINING TO THE TOBACCO INDUSTRY, PACKING MACHINES, PARAFFIN-COATING AND PARAFFIN-SOAKING MACHINES, PLANTING MACHINES, MACHINE TOOLS AND TOOL BITS THEREFOR, PARTICULARLY THREAD-CUTTING TOOLS, SCREW TAPS AND CHASERS; BUTCHERS' IMPLEMENTS.
Claims use since 1910.

Reg. No. 262,948. Registered Oct. 29, 1929. INCLINATOR COMPANY OF AMERICA, Harrisburg, Pa., a corporation of Pennsylvania. Republished by registrant.

"Elevette"

FOR ELEVATORS AND PARTS OF ELEVATORS.
Claims use since Apr. 20, 1929.

Reg. No. 380,216. Registered Aug. 13, 1940. BUTLER BROTHERS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MAJESTY

FOR SCISSORS.
Claims use since Dec. 12, 1939.

Reg. No. 423,440. Registered Sept. 3, 1946. J. B. ENGINEERING SALES COMPANY, New Haven, Conn. Republished by Mansaver Industries, Inc., New Haven, Conn., a corporation of Connecticut.

MANSAVER

FOR STOCK HANDLING MACHINERY—NAMELY, GRABS, HOISTS, CRANES, GRAPPLES, AND BELT, CHAIN, AND ROLLER CONVEYORS.
Claims use since on about Feb. 1, 1932.

CLASS 25

LOCKS AND SAFES

Reg. No. 377,773. Registered May 14, 1940. J. CHESLER & SONS COMPANY, Brooklyn, N. Y. Republished by J. Chesler & Sons, Brooklyn, N. Y., a co-partnership.

TROJAN

FOR CYLINDER DOOR LOCKS.
Claims use since Nov. 29, 1939.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 191,942. Registered Nov. 25, 1924. HENRY L. SCOTT & COMPANY, Providence, R. I. Republished by Scott Testers, Inc., Providence, R. I., a corporation of Rhode Island.

SERIGRAPH

FOR MACHINES FOR TESTING THE STRENGTH OR STRETCH OF MATERIALS.
Claims use since Sept. 1, 1921.

Reg. No. 249,701. Registered Nov. 20, 1928. FOX CASE CORPORATION, New York, N. Y. Republished by Movietonews, Inc., New York, N. Y., a corporation of New York.

MOVIETONE

FOR MOTION PICTURES.
Claims use since about May 25, 1928.

Reg. No. 251,623. Registered Jan. 8, 1929. FOX CASE CORPORATION, New York, N. Y. Republished by Movietonews, Inc., New York, N. Y., a corporation of New York.

FOX MOVIETONEWS
IT SPEAKS FOR ITSELF

FOR MOTION PICTURES.
Claims use since about Oct. 20, 1926.

Reg. No. 275,761. Registered Sept. 30, 1930. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

PEDO-PRINT

FOR MEASURING AND RECORDING DEVICE FOR OBTAINING AN IMPRESSION OF THE CONTOUR OF THE SOLE OF THE FOOT.
Claims use since May 1, 1930.

Reg. No. 296,334. Registered Aug. 2, 1932. HENRY L. SCOTT COMPANY, Providence, R. I. Republished by Scott Testers, Inc., Providence, R. I., a corporation of Rhode Island.

Tensilgraph

FOR MACHINES FOR TESTING THE STRENGTH OR STRETCH OF MATERIALS.
Claims use since Jan. 30, 1932.

Reg. No. 368,735. Registered June 27, 1939. HENRY L. SCOTT COMPANY, Providence, R. I. Republished by Scott Testers, Inc., Providence, R. I., a corporation of Rhode Island.

I-P

FOR TENSION, COMPRESSION, AND FATIGUE TESTING MACHINES.
Claims use since Jan. 14, 1935.

Reg. No. 438,568. Registered May 4, 1948. LINK AVIATION DEVICES, INC., Fenton, N. Y., now by change of name Link Aviation, Inc. Republished by Link Aviation, Inc., Binghamton, N. Y., a corporation of New York.

LINK

FOR GROUNDED APPARATUS FOR TRAINING AIR PILOTS FOR FLYING, GROUNDED APPARATUS FOR TRAINING NAVIGATORS IN CELESTIAL NAVIGATION, GROUNDED APPARATUS FOR TRAINING BOMBARDIERS, INSTRUMENTS FOR USE WITH TRAINING APPARATUS AS AFORESAID FOR PLOTTING AN ASSUMED FLIGHT TRACK WITH INTRODUCED ASSUMED WIND CONDITIONS.
Claims use since about March 1937.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 422,453. Registered July 23, 1946. NIVADA WATCH CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

COMPENSAMATIC

FOR WATCHES.
Claims use since Mar. 5, 1943.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 369,795. Registered Aug. 1, 1939. NATIONAL SILVER COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

GUILDCRAFT

FOR STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE.
Claims use since on or about Mar. 15, 1939.

Reg. No. 378,408. Registered June 11, 1940. NATIONAL SILVER COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

ASTRID

FOR KNIVES, FORKS, SPOONS, AND OTHER TABLEWARE MADE FROM A BASE METAL OR ALLOY WITH A SILVERPLATE THEREON.
Claims use since on or about Mar. 15, 1939.

Reg. No. 384,531. Registered Jan. 21, 1941. NATIONAL SILVER COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

CONCERTO

FOR STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE.
Claims use since on or about June 27, 1940.

Reg. No. 427,427. Registered Feb. 11, 1947. NATIONAL SILVER COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.



FOR STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE.
Claims use since Mar. 15, 1939.

Reg. No. 439,624. Registered July 6, 1948. ONEIDA LTD., Sherrill and Oneida, N. Y., a corporation of New York. Republished by registrant, present address Oneida, N. Y.

PENDANT

FOR SILVERPLATED FLAT TABLEWARE.
Claims use since 1941.

Reg. No. 439,625. Registered July 6, 1948. ONEIDA LTD., Sherrill and Oneida, N. Y., a corporation of New York. Republished by registrant, present address Oneida, N. Y.

SENECA

FOR SILVERPLATED FLAT TABLEWARE.
Claims use since 1928.

Reg. No. 439,626. Registered July 6, 1948. ONEIDA LTD., Sherrill and Oneida, N. Y., a corporation of New York. Republished by registrant, present address Oneida, N. Y.

THOR

FOR SILVERPLATED FLAT TABLEWARE.
Claims use since 1933.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 109,151. Registered Mar. 21, 1916. W. T. WHEATLEY, Pueblo, Colo., assignor to National Broom Mfg. Co., Pueblo, Colo., a corporation of Colorado. Republished by National Broom Manufacturing Company, Pueblo, Colo., a corporation of Colorado.

NATIONAL

FOR BROOMS.
Claims use since July 1, 1914.

Reg. No. 257,945. Registered June 25, 1929. KNOX HAT COMPANY, INC., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.



FOR HAT BRUSHES.
Claims use since 1871.

Reg. No. 257,946. Registered June 25, 1929. KNOX HAT COMPANY, INC., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

KNOX

FOR HAT BRUSHES.
Claims use since about 1840.

Reg. No. 296,071. Registered July 19, 1932. NATIONAL BROOM MANUFACTURING COMPANY, Pueblo, Colo., a corporation of Colorado. Republished by registrant.



The drawing is lined for red and blue.
FOR BROOMS.
Claims use since September 1915.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 330,253. Registered Nov. 26, 1935. SUPERIOR FELT & BEDDING COMPANY, Chicago, Ill. Republished by The Englander Company, Inc., Chicago, Ill., a corporation of Delaware.

DUO-DIVAN

The word "Divan" is disclaimed apart from the mark as shown.
FOR STUDIO COUCHES.
Claims use since Mar. 25, 1935.

Reg. No. 370,147. Registered Aug. 15, 1939. SUPERIOR FELT & BEDDING COMPANY, Chicago, Ill. Republished by The Englander Company, Inc., Chicago, Ill., a corporation of Delaware.

FELTSOLATOR

FOR MATTRESSES.
Claims use since Jan. 15, 1939.

Reg. No. 379,475. Registered July 9, 1940. SUPERIOR FELT & BEDDING COMPANY, Chicago, Ill. Republished by The Englander Company, Inc., Chicago, Ill., a corporation of Delaware.

The Lovanette

FOR MATTRESSES.
Claims use since Jan. 15, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 113,356. Registered Oct. 17, 1916. CRANE COMPANY, Chicago, Ill. Republished by Crane Co., Chicago, Ill., a corporation of Illinois.

C

FOR MACHINERY PACKING, COMPOSED OF RUBBER.
Claims use since Sept. 1, 1909.

Reg. No. 114,228. Registered Dec. 5, 1916. CRANE COMPANY, Chicago, Ill. Republished by Crane Co., Chicago, Ill., a corporation of Illinois.

CRANITE

FOR SHEET-ASBESTOS PACKING.
Claims use since on or about Jan. 1, 1916.

Reg. No. 396,931. Registered Aug. 11, 1942. SOUTHERN BELTING COMPANY, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

PIVOTAN

FOR LEATHER BELTING FOR POWER TRANSMISSION, ELEVATING, CONVEYING, AND ANALOGOUS PURPOSES.
Claims use since Sept. 20, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 80,438. Registered Dec. 17, 1912. BRAMBACH PIANO COMPANY, New York, N. Y. Republished by Kohler & Campbell, Inc., New York, N. Y., a corporation of New York.

Brambach

FOR PIANOS.
Claims use since 1823.

CLASS 37

PAPER AND STATIONERY

Reg. No. 262,472. Registered Oct. 15, 1929. EMPIRE PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

OFFICIAL

FOR LEDGER AND WRITING PAPER AND BOND PAPER FOR USE AS WRITING PAPER.
Claims use since Aug. 13, 1928.

Reg. No. 340,204. Registered Nov. 3, 1936. GEORGE W. SCHILDGE, doing business as George W. Schildge Paper Co., Chicago, Ill. Republished by Rushmore Paper Mills Inc., Gouverneur, N. Y., a corporation of New York.



The drawing is lined for the colors green and yellow.
FOR TOILET PAPER.
Claims use since the Spring of 1935.

Reg. No. 435,234. Registered Dec. 16, 1947. HAMPSHIRE PAPER COMPANY, INC., Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

EVIDENCE

FOR WRITING PAPER AND MAILING ENVELOPES.
Claims use since February 1934.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 163,713. Registered Jan. 23, 1923. WILFORD H. FAWCETT, Minneapolis, Minn. Republished by Fawcett Publications, Inc., Greenwich, Conn., a corporation of Delaware.

True Confessions

FOR MONTHLY PUBLICATION.
Claims use since July 1922.

Reg. No. 163,775. Registered Jan. 30, 1923. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

TILLIE THE TOILER

FOR CARTOONS.
Claims use since Jan. 13, 1921.

Reg. No. 222,183. Registered Dec. 26, 1926. INTERNATIONAL FEATURE SERVICE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

DINGLEHOOFER
UND HIS DOG
ADOLPH

FOR CARTOONS.
Claims use since May 16, 1926.

Reg. No. 228,331. Registered May 31, 1927. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

LITTLE ANNIE ROONEY

FOR NEWSPAPER SECTION.
Claims use since Jan. 10, 1927.

Reg. No. 273,937. Registered Aug. 19, 1930. CENTRAL PRESS ASSOCIATION, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

BIG SISTER

FOR NEWSPAPER CARTOONS.
Claims use since June 4, 1928.

Reg. No. 280,850. Registered Mar. 3, 1931. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

Blondie

FOR COMIC STRIP OR CARTOON.
Claims use since Sept. 8, 1930.

Reg. No. 311,043. Registered Mar. 13, 1934. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

SEEIN' STARS

FOR NEWSPAPER OR MAGAZINE SECTION.
Claims use since Oct. 30, 1933.

Reg. No. 313,939. Registered June 12, 1934. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

SECRET AGENT X-9

FOR NEWSPAPER CARTOONS.
Claims use since Jan. 22, 1934.

Reg. No. 318,860. Registered Nov. 6, 1934. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

MANDRAKE, THE MAGICIAN

FOR NEWSPAPER CARTOONS.
Claims use since July 11, 1934.

Reg. No. 320,414. Registered Dec. 25, 1934. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

Flash Gordon

FOR CARTOONS.
Claims use since Jan. 7, 1934.

Reg. No. 323,027. Registered Mar. 26, 1935. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

JUNGLE JIM

FOR CARTOON.
Claims use since Jan. 7, 1934.

Reg. No. 323,574. Registered Apr. 23, 1935. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

The Little King

FOR NEWSPAPER CARTOONS.
Claims use since Sept. 9, 1934.

Reg. No. 371,304. Registered Sept. 19, 1939. MOTOR CITY PUBLISHING COMPANY, Detroit, Mich. Republished by Ceco Publishing Company, Detroit, Mich., a corporation of Michigan.

FRIENDS

FOR MONTHLY PUBLICATION.
Claims use since Apr. 29, 1939.

Reg. No. 377,399. Registered May 7, 1940. THE SCHOLL MFG. CO., INC., New York, N. Y., and Chicago, Ill., a corporation of New York. Republished by registrant, present address Chicago, Ill.

FOOT COMFORT NEWS

FOR PUBLICATION ISSUED QUARTERLY COVERING KNOWLEDGE OF THE FEET.
Claims use since March 1934.

Reg. No. 388,533. Registered July 1, 1941. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

The Beauty Box

FOR NEWSPAPER COLUMN.
Claims use since on or before Mar. 10, 1931.

Reg. No. 412,578. Registered Mar. 13, 1945. ASHTON B. COLLINS, New York, N. Y. Republished by registrant.



FOR CIRCULARS, BOOKLETS, AND PRINTED ADVERTISING MATERIAL SOLD AS SUCH TO THE ELECTRICAL INDUSTRY.
Claims use since Nov. 7, 1935.

CLASS 39

CLOTHING

Reg. No. 96,624. Registered Apr. 28, 1914. B. ALTMAN & CO., New York, N. Y., a corporation of New York. Republished by registrant.

THE BALTS

FOR SHOES, BOOTS, OR SLIPPERS OF ANY DESCRIPTION, FOR EITHER SEX, MADE WHOLLY OR IN PART OF LEATHER, SILK, WOOLEN, COTTON, OR METAL FABRICS OR COMBINATIONS THEREOF.
Claims use since Dec. 3, 1913.

Reg. No. 109,328. Registered Mar. 28, 1916. FRANK J. ROWSE, Pawtucket, R. I. Republished by registrant.

SANASEAL

FOR FACE CLOTHS OR TOWELS AND HANDKERCHIEFS.
Claims use since Jan. 11, 1915.

Reg. No. 160,266. Registered Oct. 17, 1922. THE PARSONS & BAKER COMPANY, Phoenixville, Pa., a corporation of Pennsylvania. Republished by registrant.



Criterion

FOR LADIES' UNDERWEAR.
Claims use since August 1921.

Reg. No. 197,116. Registered Apr. 7, 1925. B. ALTMAN & Co., New York, N. Y., a corporation of New York. Republished by registrant.



FOR ARTICLES OF CLOTHING FOR WOMEN, MISSES, AND CHILDREN AS FOLLOWS: SUITS, COATS, DRESSES, BLOUSES, SWEATERS, AND RIDING HABITS.
Claims use since June 1, 1914.

Reg. No. 204,211. Registered Oct. 13, 1925. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.



FOR BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, RUBBER, AND FABRIC OR COMBINATIONS THEREOF.
Claims use since about Apr. 1, 1909.

Reg. No. 209,379. Registered Feb. 23, 1926. THE PARSONS & BAKER COMPANY, Phoenixville, Pa., a corporation of Pennsylvania. Republished by registrant.

PABCO

FOR LADIES' ONE AND TWO PIECE KNITTED UNDERWEAR.
Claims use since Sept. 9, 1925.

Reg. No. 211,275. Registered Apr. 6, 1926. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill., now by change of name The Scholl Mfg. Co., Inc. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

RE-FORM

FOR BOOTS AND SHOES AND SLIPPERS MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since February 1917.

Reg. No. 213,676. Registered June 1, 1926. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

FORMOPED

FOR BOOTS AND SHOES AND SLIPPERS MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since July 2, 1921.

Reg. No. 215,617. Registered July 20, 1926. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.



FOR BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, RUBBER, AND FABRIC, AND OF COMBINATIONS THEREOF.
Claims use since January 1920.

Reg. No. 216,979. Registered Aug. 24, 1926. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Nu-Grip

FOR HEEL LINERS FOR SLIPPERS OR PUMPS.
Claims use since Dec. 31, 1915.

Reg. No. 223,716. Registered Feb. 8, 1927. THE PARSONS & BAKER COMPANY, Phoenixville, Pa., a corporation of Pennsylvania. Republished by registrant.

"BOBS"

FOR ONE, TWO, AND THREE PIECE LADIES' KNITTED UNDERWEAR.
Claims use since Apr. 15, 1926.

Reg. No. 225,761. Registered Mar. 22, 1927. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Dr. M. Scholl M.D.

FOR BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, RUBBER, AND FABRIC AND COMBINATIONS THEREOF.
Claims use since Mar. 25, 1926.

Reg. No. 226,701. Registered Apr. 19, 1927. B. ALTMAN & Co., New York, N. Y., a corporation of New York. Republished by registrant.

B. Altman & Co.

FOR WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN AS FOLLOWS—VIZ., COATS, OVERCOATS, RAINCOATS, MACKINAWS, SPORT COATS, HOUSE COATS, FUR COATS, CAPES, WRAPS, BREECHES, RIDING SUITS, APRONS, AND MAIDS' UNIFORMS; SUITS, COATS, VESTS, AND TROUSERS FOR MALES; SUITS, DRESSES, SKIRTS, BLOUSES, MIDDY BLOUSES, WAISTS, BLOOMERS, BED SACKS, KIMONOS, AND NEGLIGEES FOR FEMALES; KNIT AND WOVEN UNDERWEAR—NAMELY, SHIRTS, DRAWERS, AND UNIONSUITS, PAJAMAS, BATH ROBES, HOUSE ROBES, LOUNGING ROBES, AND TRAVELING ROBES FOR MALES AND FEMALES; PETTICOATS, UNDERWEAR BLOOMERS, VESTS, AND LINGERIE FOR FEMALES; HOSIERY, TIGHTS, GLOVES (MADE WHOLLY OR PARTLY OF FABRIC, LEATHER, OR FUR), OUTER SHIRTS, SWEATERS, JERSEYS, TRIMMED AND UNTRIMMED HATS, CAPS, SHOES, BOOTS, OXFORDS, SLIPPERS OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC, LEGGINGS, RIDING BOOTS, RUBBERS FOR MALES AND FEMALES, BALLET SLIPPERS AND FELT SLIPPERS; SCARFS, SHAWLS, TIES, NECKTIES, AND COLLARS FOR MALES AND FEMALES, MUFFLERS AND REEFERS FOR MEN, GUIMPES, VESTEES, COLLAR AND CUFF SETS, SLEEVES, WAISTCOATS, JABOTS FOR FEMALES, ETON COLLARS FOR MALES AND FEMALES, SUSPENDERS AND GARTERS FOR MALES AND FEMALES.
Claims use since about 1874.

Reg. No. 240,780. Registered Apr. 10, 1928. WARE SHOALS MANUFACTURING COMPANY, Ware Shoals, S. C. Republished by Riegel Textile Corporation, New York, N. Y., a corporation of Delaware.

SNUZE

FOR COTTON PILLOWCASES, COTTON SHEETS, AND COTTON HANDKERCHIEFS.
Claims use since Sept. 1, 1926.

Reg. No. 242,740. Registered June 5, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Heel Snugger

The word "Heel" is disclaimed apart from the mark as shown.
FOR HEEL LINERS FOR SLIPPERS OR PUMPS.
Claims use since Dec. 1, 1927.

Reg. No. 245,177. Registered Aug. 7, 1928. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y., a corporation of New York. Republished by registrant.

JIGGERS

FOR TENNIS AND ATHLETIC SHOES MADE IN PART OF CANVAS AND IN PART OF RUBBER.
Claims use since about June 1, 1926.

Reg. No. 245,379. Registered Aug. 14, 1928. BROOKS HOSIERY MILLS, Philadelphia, Pa. Republished by Brooks Hosiery Mills, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

BROOKWELL

FOR HOSIERY.
Claims use since Feb. 15, 1926.

Reg. No. 246,389. Registered Sept. 4, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Easy Feet

FOR COMBINATION RUBBER AND LEATHER HEEL PAD FOR SHOES, SLIPPERS, AND PUMPS.
Claims use since Jan. 3, 1922.

Reg. No. 246,494. Registered Sept. 11, 1928. BROOKS HOSIERY MILLS, Philadelphia, Pa. Republished by Brooks Hosiery Mills, Inc., Philadelphia, Pa., a corporation of Pennsylvania.



The words "Fashionable Hosiery" are disclaimed apart from the mark as shown in the drawing.
FOR HOSIERY.
Claims use since Feb. 15, 1926.

Reg. No. 286,499. Registered Sept. 1, 1931. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Loomcrest INGERIE

The name "Lingerie" is disclaimed apart from the mark as shown.

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, PAJAMAS, AND STEP-IN DRAWERS OF A TEXTILE FABRIC.

Claims use since July 10, 1929.

Reg. No. 288,553. Registered Nov. 3, 1931. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

TAFFERAY

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, PAJAMAS, AND STEP-IN DRAWERS OF A TEXTILE FABRIC.

Claims use since July 10, 1929.

Reg. No. 288,778. Registered Nov. 3, 1931. MARSHALL FIELD & COMPANY, Chicago, Ill. Republished by Vesta Underwear Company, Pawtucket, R. I., a corporation of Rhode Island.

BALJAMA

FOR SLEEPING GARMENTS AND WOMEN'S AND CHILDREN'S KNITTED UNDERWEAR.

Claims use since Mar. 11, 1931.

Reg. No. 290,052. Registered Dec. 22, 1931. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

LOOMRAY

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, PAJAMAS, AND STEP-IN DRAWERS OF A TEXTILE FABRIC.

Claims use since July 10, 1929.

Reg. No. 292,980. Registered Apr. 5, 1932. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, PAJAMAS, AND STEP-IN DRAWERS OF A TEXTILE FABRIC.

Claims use since July 10, 1929.

Reg. No. 293,036. Registered Apr. 5, 1932. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Repnblished by registrant.



Treasure Maid Lingerie

The name "Lingerie" is disclaimed apart from the mark as shown.

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, PAJAMAS, AND STEP-IN DRAWERS OF A TEXTILE FABRIC.

Claims use since July 10, 1929.

Reg. No. 293,038. Registered Apr. 5, 1932. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Miss LOOMCRAFT LINGERIE



The name "Lingerie" is disclaimed apart from the mark as shown.

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, PAJAMAS, AND STEP-IN DRAWERS OF A TEXTILE FABRIC.

Claims use since July 10, 1929.

Reg. No. 306,243. Registered Nov. 28, 1933. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Step-a-Long

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, PAJAMAS, AND STEP-IN DRAWERS OF A TEXTILE FABRIC.

Claims use since Apr. 3, 1933.

Reg. No. 306,312. Registered Nov. 28, 1933. THE PARSONS & BAKER COMPANY, Phoenixville, Pa., a corporation of Pennsylvania. Republished by registrant.

Criterion

FOR MEN'S AND CHILDREN'S KNIT UNDERWEAR.

Claims use since Dec. 15, 1930.

Reg. No. 306,791. Registered Dec. 19, 1933. GREGORY & READ COMPANY, Lynn, Mass., a corporation of Massachusetts. Republished by registrant.

OPERA STAR

FOR WOMEN'S BOOTS, SHOES, AND SLIPPERS, MADE WHOLLY OR IN PART OF LEATHER OR FABRICS.

Claims use since Apr. 28, 1933.

Reg. No. 313,660. Registered June 5, 1934. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.



The pictorial representation of a shoe sole is disclaimed apart from the mark as shown.

FOR SHOES, BOOTS, AND SLIPPERS, MADE OF LEATHER, AND LEATHER IN COMBINATION WITH FABRIC AND ELASTIC GORING AND WITH RUBBER HEELS.

Claims use since Jan. 9, 1924.

Reg. No. 313,957. Registered June 12, 1934. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.



The name "Lonjerie" is disclaimed apart from the mark as shown.

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS, OF A TEXTILE FABRIC.

Claims use since Jan. 1, 1933.

Reg. No. 314,324. Registered June 26, 1934. THE PARSONS & BAKER COMPANY, Phoenixville, Pa., a corporation of Pennsylvania. Republished by registrant.

POCONA

FOR LADIES', CHILDREN'S, MEN'S, AND BOYS' COTTON KNIT UNDERWEAR.

Claims use since Jan. 22, 1934.

Reg. No. 315,958. Registered Aug. 14, 1934. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS, OF A TEXTILE FABRIC.

Claims use since Mar. 10, 1933.

Reg. No. 321,397. Registered Jan. 29, 1935. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SUPERAY

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS, OF A TEXTILE FABRIC.
Claims use since June 21, 1934.

Reg. No. 321,767. Registered Feb. 12, 1935. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

PERMA-DUL

The word "Dul" is disclaimed apart from the mark as shown.
FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS, OF A TEXTILE FABRIC.
Claims use since June 21, 1934.

Reg. No. 323,472. Registered Apr. 16, 1935. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Lonjo Rayons

The word "Rayons" is disclaimed apart from the mark as shown.
FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS, OF A TEXTILE FABRIC.
Claims use since Apr. 21, 1931.

Reg. No. 329,454. Registered Oct. 29, 1935. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

KREPETONE

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS, OF A TEXTILE FABRIC.
Claims use since Jan. 5, 1933.

Reg. No. 331,163. Registered Dec. 31, 1935. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

Perforette

FOR LADIES' RAYON UNDERWEAR, PAJAMAS, AND NIGHT GOWNS.
Claims use since June 15, 1935.

Reg. No. 331,164. Registered Dec. 31, 1935. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

Durette

FOR LADIES' RAYON UNDERWEAR, PAJAMAS, AND NIGHT GOWNS.
Claims use since June 15, 1935.

Reg. No. 331,165. Registered Dec. 31, 1935. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

L'AMOURAY

FOR LADIES' RAYON UNDERWEAR, PAJAMAS, AND NIGHT GOWNS.
Claims use since June 25, 1935.

Reg. No. 331,166. Registered Dec. 31, 1935. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

Chiffolene

FOR LADIES' RAYON UNDERWEAR, PAJAMAS, AND NIGHT GOWNS.
Claims use since June 15, 1935

Reg. No. 333,480. Registered Mar. 24, 1936. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Loom Sheen

The word "Sheen" is disclaimed apart from the mark as shown.
FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS, OF A TEXTILE FABRIC.
Claims use since Sept. 11, 1935.

Reg. No. 333,741. Registered Apr. 7, 1936. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

KUMFY - STRYDE

FOR LADIES' RAYON UNDERWEAR, PAJAMAS, AND NIGHTGOWNS.
Claims use since Aug. 1, 1935.

Reg. No. 333,773. Registered Apr. 7, 1936. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

Strydefree-form-and-fit

The words "Form and Fit" are disclaimed apart from the mark as shown.
FOR LADIES' RAYON UNDERWEAR, PAJAMAS, AND NIGHTGOWNS.
Claims use since July 10, 1935.

Reg. No. 333,776. Registered Apr. 7, 1936. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

STRYDETTE

FOR LADIES' RAYON UNDERWEAR, PAJAMAS, AND NIGHT GOWNS.
Claims use since Aug. 1, 1935.

Reg. No. 333,998. Registered Apr. 14, 1936. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

STRYDEASE

FOR LADIES' RAYON UNDERWEAR, PAJAMAS, AND NIGHT GOWNS.
Claims use since Aug. 1, 1935.

Reg. No. 336,833. Registered July 21, 1936. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

DUTCHESS STAR 800

FOR LADIES' RAYON UNDERWEAR, PAJAMAS, AND NIGHT GOWNS.
Claims use since July 10, 1935.

Reg. No. 338,525. Registered Sept. 8, 1936. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

L'Amourette

FOR LADIES' RAYON UNDERWEAR, PAJAMAS, AND NIGHTGOWNS.
Claims use since Jan. 2, 1936.

Reg. No. 338,782. Registered Sept. 15, 1936. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Beauty-Loom

FOR LADIES' CHEMISES, PRINCES SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS, OF A TEXTILE FABRIC.
Claims use since Mar. 30, 1936.

Reg. No. 342,572. Registered Jan. 19, 1937. B. ALTMAN & CO., New York, N. Y., a corporation of New York. Republished by registrant.

Melisande

FOR LINGERIE FOR WOMEN AND MISSES—NAMELY, NIGHTGOWNS, BED JACKETS, PAJAMAS, SLIPS, CHEMISES, PANTIES, ROBES, PETTICOATS, AND DANCE SETS.
Claims use since Aug. 10, 1936.

Reg. No. 343,376. Registered Feb. 16, 1937. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

NUDEFORM

FOR LADIES' RAYON UNDERWEAR, PAJAMAS, AND NIGHTGOWNS.
Claims use since Aug. 1, 1936.

Reg. No. 343,377. Registered Feb. 16, 1937. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

SLENDERMAID

FOR LADIES' RAYON UNDERWEAR, PAJAMAS, AND NIGHTGOWNS.
Claims use since Aug. 1, 1936.

Reg. No. 346,280. Registered May 15, 1937. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

SONATA

FOR LADIES' RAYON UNDERWEAR, PAJAMAS, AND NIGHTGOWNS.
Claims use since Dec. 15, 1936.

Reg. No. 367,822. Registered May 30, 1939. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

STRIPE-TEX

The word "Stripe" is disclaimed apart from the mark as shown.
FOR LADIES' CHEMISES, PRINCES SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS, OF A TEXTILE FABRIC.
Claims use since on or about Oct. 1, 1938.

Reg. No. 369,181. Registered July 18, 1939. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

TWINBAR

FOR LADIES' RAYON UNDERWEAR, PAJAMAS, AND NIGHTGOWNS.
Claims use since Oct. 15, 1938.

Reg. No. 392,824. Registered Jan. 13, 1942. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

EXTENDORS

FOR EXTENSIONS FOR LOW SHOE UPPERS TO PREVENT HEEL SLIPPING.
Claims use since June 25, 1941.

Reg. No. 395,532. Registered June 2, 1942. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

KIROPEDIC

FOR BOOTS AND SHOES AND SLIPPERS MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since June 12, 1935.

Reg. No. 429,981. Registered June 3, 1947. NEW YORK KNITTING MILLS, New York, N. Y., a corporation of New York. Republished by registrant.

CAMICHIA

FOR MEN'S, WOMEN'S, BOYS', AND GIRLS' KNITTED OUTERWEAR—NAMELY, MACHINE KNITTED SWEATERS.
Claims use since Sept. 15, 1945.

Reg. No. 435,203. Registered Dec. 16, 1947. SAMUEL L. KLEVEN, Hallowell, Maine. Republished by registrant.

SAMAC PROCESS

The word "Process" is disclaimed apart from the mark shown.
FOR SHOES, MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF.
Claims use since Feb. 26, 1946.

Reg. No. 438,450. Registered Apr. 20, 1948. J. N. CLASKE LIMITED, Dublin, Eire, a corporation organized under the laws of Eire. Republished by registrant.

CountyWear

The word "Wear" is disclaimed apart from the mark as shown.
FOR LADIES' OUTERWEAR COMPRISING COATS, SUITS, JACKETS, AND SKIRTS.
Claims use since January 1935.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 223,548. Registered Feb. 8, 1927. HAZEL H. WALTZ, Oakland, Calif. Republished by Smith Victory Corporation, Buffalo, N. Y., a corporation of Delaware.

Bobbie

FOR HAIRPINS MADE OF SPRING METAL.
Claims use since June 1, 1923.

CLASS 42

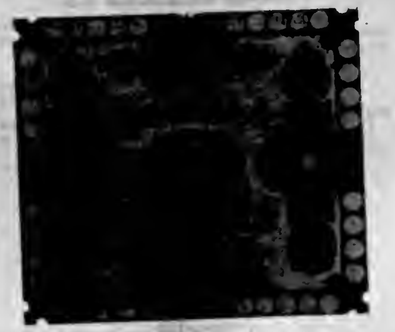
KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 109,328. Registered Mar. 28, 1916. FRANK J. ROWSE, Pawtucket, R. I. Republished by registrant.

SANASEAL

FOR FACE CLOTHS OR TOWELS AND HANDKERCHIEFS.
Claims use since Jan. 11, 1915.

Reg. No. 180,003. Registered Feb. 19, 1924. MINOT, HOOPER & CO., New York, N. Y., a firm. Republished by registrant.



FOR COTTON PIECE GOODS.
Claims use since Apr. 29, 1876.

Reg. No. 216,263. Registered Aug. 10, 1926. MINOT, HOOPER & CO., New York, N. Y., a firm. Republished by registrant.

ELLERTON

FOR COTTON PIECE GOODS.
Claims use since 1864.

Reg. No. 240,780. Registered Apr. 10, 1928. WARE SHOALS MANUFACTURING COMPANY, Ware Shoals, S. C. Republished by Riegel Textile Corporation, New York, N. Y., a corporation of Delaware.

SNUZE

FOR COTTON PILLOWCASES, COTTON SHEETS, AND COTTON HANDKERCHIEFS.
Claims use since Sept. 1, 1926.

Reg. No. 337,621. Registered Aug. 11, 1936. MOUAKAD BROS., New York, N. Y. Republished by Mouakad Bros., Inc., New York, N. Y., a corporation of New York.



FOR SILK CREPE DE CHINE.
Claims use since Apr. 18, 1934.

Reg. No. 370,800. Registered Sept. 5, 1939. B. ALTMAN & CO., New York, N. Y., a corporation of New York. Republished by registrant.

young homemakers shop

FOR DRAPERIES, DRAPERY AND UPHOLSTERY FABRICS, CURTAINS, CARPETS, RUGS, BEDSPREADS, SHEETS AND PILLOW CASES, BLANKETS, TABLE LINENS, AND TOWELS.
Claims use since about Aug. 8, 1938.

Reg. No. 373,299. Registered Dec. 5, 1939. FOLKER FABRICS, INC., New York, N. Y. Republished by Folker Fabrics Corporation, New York, N. Y., a corporation of New York.

Melloweave

FOR TEXTILE FABRICS IN THE PIECE, OF SILK, RAYON, AND COMBINATIONS THEREOF
Claims use since March 1935.

Reg. No. 417,167. Registered Oct. 16, 1945. MOORESVILLE COTTON MILLS, Mooresville, N. C. Republished by Mooresville Mills, Mooresville, N. C., a corporation of North Carolina.

TATTERTOOTH

FOR RAYON PIECE GOODS.
Claims use since Feb. 26, 1945.

Reg. No. 423,499. Registered Sept. 3, 1946. MAURICE R. BRULÉ, Central Falls, R. I. Republished by registrant.

Glamé

FOR WOVEN FABRICS COMPRISED OF NON-FIBROUS CELLULOSIC MATERIALS AND SOLD IN THE PIECE.
Claims use since June 1945.

Reg. No. 438,704. Registered May 11, 1948. RESPRO INC., Cranston, R. I., a corporation of Rhode Island. Republished by registrant.

RESPROOFED

FOR FABRICS OF NYLON, RAYON, COTTON, SILK, WOOL, COATED OR IMPREGNATED FOR RESISTANCE TO WATER, FIRE, AND/OR MOLD, AND SOLD AS PIECE GOODS.
Claims use since Jan. 28, 1946.

CLASS 43

THREAD AND YARN

Reg. No. 439,619. Registered July 6, 1948. JAMES LEES AND SONS COMPANY, Bridgeport, Pa., a corporation of Pennsylvania. Republished by registrant.

Golden Fleece

FOR YARNS MADE OF WOOL FIBERS.
Claims use since March 1875.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 211,204. Registered Apr. 6, 1926. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill., now by change of name The Scholl Mfg. Co., Inc. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Lastik-

FOR METATARSAL PADS AND ANKLE SUPPORTS.
Claims use since April 1924.

Reg. No. 215,226. Registered July 13, 1926. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

KIRO

FOR PADS, PLASTERS, AND MEDICATED SHIELDS FOR CORNS, CALLI, BUNIONS, AND OTHER FOOT TROUBLES AND IRRITATIONS.
Claims use since Jan. 2, 1915.

Reg. No. 220,353. Registered Nov. 9, 1926. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.



FOR ARCH SUPPORTS.
Claims use since June 1, 1907.

Reg. No. 225,272. Registered Mar. 15, 1927. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

MEDICAL

FOR ARCH SUPPORTS AND SIMILAR FOOT CORRECTIVE APPLIANCES.
Claims use since January 1912.

Reg. No. 225,932. Registered Mar. 29, 1927. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Wm. M. Scholl M.D.

FOR ARCH SUPPORTS.
Claims use since Mar. 23, 1926.

Reg. No. 230,218. Registered July 19, 1927. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Meta-Rest

FOR INSOLES.
Claims use since Oct. 20, 1926.

Reg. No. 231,008. Registered Aug. 9, 1927. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

BOROLIN

FOR ANTISEPTIC FABRIC DRY DRESSING MANUFACTURED FROM PREPARED LINT HAVING MEDICINAL AND HEALING PROPERTIES.
Claims use since Oct. 4, 1926.

Reg. No. 233,246. Registered Sept. 27, 1927. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Solace

FOR ARCH SUPPORTS.
Claims use since Feb. 4, 1915.

Reg. No. 242,439. Registered May 22, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

PROTECTIZED

FOR ARCH SUPPORTS.
Claims use since Jan. 1, 1925.

Reg. No. 243,827. Registered July 3, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

FLEXRITE

FOR ARCH SUPPORTS.
Claims use since Nov. 1, 1913.

Reg. No. 243,828. Registered July 3, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

SILVERFLEX

FOR ARCH SUPPORTS.
Claims use since Dec. 15, 1927.

Reg. No. 243,829. Registered July 3, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

SYSTEM

FOR ARCH SUPPORTS.
Claims use since Dec. 15, 1927.

Reg. No. 243,892. Registered July 3, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Tru-Span

FOR ARCH SUPPORTS.
Claims use since Sept. 1, 1913.

Reg. No. 247,829. Registered Oct. 9, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Osteopedic

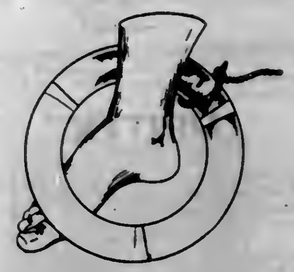
FOR ARCH SUPPORTS.
Claims use since Mar. 28, 1928.

Reg. No. 250,523. Registered Dec. 11, 1928. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Schopedic

FOR ARCH SUPPORTS.
Claims use since July 29, 1920.

Reg. No. 269,218. Registered Apr. 1, 1930. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.



FOR FOOT CORRECTIVE APPLIANCES—TO WIT, ARCH SUPPORTS AND PARTS THEREOF, TOE SEPARATORS AND STRAIGHTENERS, HEEL SUPPORTS, CUSHIONS, AND STRAIGHTENERS, ANKLE SUPPORTS, BUNION REDUCERS, BUNION SPRINGS, HAMMERTOE SPRINGS, CORN AND BUNION PADS, AND CORN AND BUNION PLASTERS.
Claims use since February 1915.

Reg. No. 280,947. Registered Mar. 3, 1931. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.



The words "Before—After" are disclaimed apart from the mark as shown.

FOR HEEL PADS, A FOOT-CORRECTIVE APPLIANCE.

Claims use since Jan. 5, 1917.

Reg. No. 281,382. Registered Mar. 17, 1931. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.



The words "For Bunions," "Devices For All Foot Ailments," the word "Toe," and the representation of the goods are disclaimed apart from the mark as shown.

FOR FOOT-CORRECTIVE APPLIANCES FOR BUNIONS AND OVERLAPPING TOES.

Claims use since Feb. 1, 1914.

Reg. No. 319,503. Registered Nov. 27, 1934. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

DRITEX

FOR ADHESIVE PLASTER, BANDAGE PLASTER, AND FOOT PLASTER.

Claims use since July 30, 1934.

Reg. No. 319,899. Registered Dec. 11, 1934. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Skintex

FOR ADHESIVE PLASTER, BANDAGE PLASTER, AND FOOT PLASTER.

Claims use since July 3, 1934.

Reg. No. 324,499. Registered May 21, 1935. THE SCHOLL MFG. CO., INC., New York, N. Y., and Chicago, Ill., a corporation of New York. Republished by registrant, present address Chicago, Ill.

400 ARCH

FOR ARCH SUPPORTS AND APPLIANCES FOR THE RELIEF OF CORNS, BUNIONS, CALLOUSES, AND OTHER FOOT AILMENTS.

Claims use since 1924.

Reg. No. 330,456. Registered Dec. 3, 1935. THE SCHOLL MFG. CO., INC., New York, N. Y., and Chicago, Ill., a corporation of New York. Republished by registrant, present address Chicago, Ill.

Ease-all

FOR CUSHION HEELS, HEEL PADS AND SUPPORTS, STOCKING HEEL PROTECTORS, TOE SEPARATORS, ARCH BANDS, METATARSAL SUPPORTS, AND ARCH SUPPORTS.

Claims use since March 1934.

Reg. No. 330,546. Registered Dec. 3, 1935. THE SCHOLL MFG. CO., INC., New York, N. Y., and Chicago, Ill., a corporation of New York. Republished by registrant, present address Chicago, Ill.

FOOT-PILLO

FOR HEEL PADS AND INSOLES.

Claims use since May 1934.

Reg. No. 333,764. Registered Apr. 7, 1936. THE SCHOLL MFG. CO., INC., New York, N. Y., and Chicago, IR., a corporation of New York. Republished by registrant, present address Chicago, Ill.

MET. ARCH

FOR ARCH SUPPORTS AND INSOLES.

Claims use since 1932.

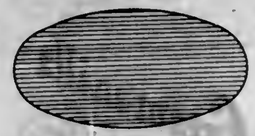
Reg. No. 341,808. Registered Dec. 22, 1936. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

KUMFYREST

FOR FOOT CORRECTIVE APPLIANCES—TO WIT, ARCH SUPPORTERS.

Claims use since July 24, 1936.

Reg. No. 349,153. Registered Aug. 24, 1937. THE SCHOLL MFG. CO., INC., New York, N. Y., and Chicago, Ill., a corporation of New York. Republished by registrant, present address Chicago, Ill.



The drawing is lined for the color blue.

FOR FOOT ARCH SUPPORTS, METATARSAL ARCH SUPPORTS, ARCH PADS, INSOLES, ARCH BINDERS, ANKLE-ARCH SUPPORTERS, METATARSAL PADS, HEEL SUPPORTERS, HEEL CUSHIONS, HEEL STRAIGHTENERS, TOE SEPARATORS, TOE CORRECTORS, BUNION REDUCERS, BUNION PROTECTORS, NON-MEDICATED CORN PADS, NON-MEDICATED FOOT PLASTERS, ADHESIVE PLASTERS, ADHESIVE BANDAGES, CORN AND CALLOUS FILES.

Claims use since 1912.

Reg. No. 350,075. Registered Sept. 14, 1937. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

FLEXRITE

FOR ADHESIVE, BANDAGE, AND FOOT PLASTER.

Claims use since Aug. 6, 1936.

Reg. No. 351,099. Registered Oct. 19, 1937. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

FLEXO

FOR ADHESIVE BANDAGE AND FOOT PLASTER.

Claims use since Aug. 8, 1936.

Reg. No. 363,493. Registered Dec. 27, 1938. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

SURGITEX

FOR ADHESIVE BANDAGE AND FOOT PLASTER.

Claims use since Aug. 12, 1938.

Reg. No. 403,380. Registered Sept. 21, 1943. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

LAMINEX
ARCH SUPPORTS

The words "Arch Supports" are disclaimed apart from the mark as shown.

FOR ARCH SUPPORTS.

Claims use since Oct. 1, 1942.

Reg. No. 404,742. Registered Dec. 21, 1943. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

PLASTILITE

FOR ARCH SUPPORTS.

Claims use since Apr. 22, 1943.

Reg. No. 407,052. Registered May 16, 1944. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

EXERPED

FOR MASSAGING ROLLER APPARATUS.

Claims use since Sept. 8, 1943.

Reg. No. 408,942. Registered Sept. 5, 1944. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

PLASTI-PEDIC

FOR ARCH SUPPORTS.

Claims use since Apr. 18, 1944.

Reg. No. 410,225. Registered Nov. 14, 1944. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

AUTOFORM

FOR ARCH SUPPORTS.

Claims use since June 16, 1944.

Reg. No. 410,226. Registered Nov. 14, 1944. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

PEDOPLASTIK

FOR ARCH SUPPORTS.

Claims use since June 16, 1944.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 354,077. Registered Feb. 1, 1938. KRUEGER BEVERAGE COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.



The drawing is lined for red. The name "Krueger" is disclaimed apart from the mark as shown.

FOR ROOT BEER, ROOT BEER SYRUP, AND ROOT BEER CONCENTRATE.

Claims use since May 5, 1937.

Reg. No. 356,931. Registered May 17, 1938. KRUEGER BEVERAGE COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.



The words "Root Beer" are disclaimed apart from the mark as shown.

FOR ROOT BEER.

Claims use since Dec. 3. 1937.

Reg. No. 365,452. Registered Mar. 7, 1939. SWIRLS, INC., Newark, N. J. Republished by Krueger Beverage Company, Newark, N. J., a corporation of New Jersey.

Tomcolizer

FOR CARBONATED BEVERAGES, PARTICULARLY NON-ALCOHOLIC MALTLESS BEVERAGES.

Claims use since Aug. 18, 1938.

Reg. No. 365,679. Registered Mar. 14, 1939. SWIRLS, INC., Newark, N. J. Republished by Krueger Beverage Company, Newark, N. J., a corporation of New Jersey.



The representation of the container is disclaimed apart from the mark as shown.

FOR CARBONATED BEVERAGES, PARTICULARLY NONALCOHOLIC MALTLESS BEVERAGES.

Claims use since Aug. 18, 1938.

Reg. No. 365,680. Registered Mar. 14, 1939. SWIRLS, INC., Newark, N. J. Republished by Krueger Beverage Company, Newark, N. J., a corporation of New Jersey.

Cream-ailla

The word "Cream" is disclaimed apart from the mark as shown.

FOR CARBONATED BEVERAGES, PARTICULARLY NONALCOHOLIC, MALTLESS BEVERAGES.

Claims use since Aug. 18, 1938.

Reg. No. 365,681. Registered Mar. 14, 1939. SWIRLS, INC., Newark, N. J. Republished by Krueger Beverage Company, Newark, N. J., a corporation of New Jersey.

Clear-e-oca

The word "Clear" is disclaimed apart from the mark as shown.

FOR CARBONATED BEVERAGES, PARTICULARLY NONALCOHOLIC, MALTLESS BEVERAGES.

Claims use since Aug. 18, 1938.

Reg. No. 432,419. Registered Sept. 2, 1947. PAL, INC., Washington, D. C., a corporation of Delaware. Republished by registrant.



FOR FRUIT FLAVORED, NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND CONCENTRATES FOR MAKING THE SAME.

Claims use since August 1945.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 73,589. Registered May 4, 1909. JOHN F. MEYER & SONS MILLING CO., St. Louis and Springfield, Mo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.

Claims use as early as September 1880.

Reg. No. 89,680. Registered Dec. 31, 1912. MASON, AU AND MAGENHEIMER CONFECTIONERY MANUFACTURING COMPANY, New York, N. Y. Republished by Mason, Au & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y., a corporation of New York.

Black Crows

FOR CANDY.

Claims use since 1890.

Reg. No. 99,038. Registered Aug. 11, 1914. CROSS, ABBOTT CO., White River Junction, Vt., a corporation of Vermont. Republished by registrant.

GREEN MOUNTAIN

FOR TEA, COFFEE, CHEESE, MOLASSES, DRIED FRUITS, CORN STARCH, KETCHUP, PICKLES, RICE, VINEGAR, AND OLIVES.

Claims use since 1894.

Reg. No. 122,446. Registered Aug. 20, 1918. CUDAHY BROTHERS COMPANY, Cudahy, Wis., a corporation of Wisconsin. Republished by registrant.

Jack Sprat

FOR BACON AND HAM.

Claims use since Jan. 2, 1910.

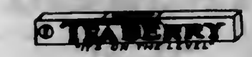
Reg. No. 126,944. Registered Jan. 20, 1920. ALBERT SUMNER BRADFORD, Placentia, Calif. Republished by Bradford Bros., Inc., Placentia, Calif., a corporation of Nevada.

TESORO RANCHO

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.

Claims use since Jan. 2, 1911.

Reg. No. 135,947. Registered Oct. 26, 1920. THE D. L. CLARK COMPANY, Pittsburgh, Pa. Republished by Clark Brothers Chewing Gum Co., Pittsburgh, Pa., a corporation of Pennsylvania.



FOR CHEWING-GUM.

Claims use since July 1, 1911.

Reg. No. 166,226. Registered Mar. 27, 1923. VICTOR FRUIT GROWERS, INC., Victor, Calif. Republished by Victor Fruit Growers, Victor, Calif., a firm.

BEAVER

FOR FRESH GRAPES.

Claims use since Mar. 16, 1920.

Reg. No. 169,263. Registered June 12, 1923. ASSOCIATED GROWERS, INCORPORATED, Lodi, Calif., a corporation of California. Republished by registrant.

GOLDEN GLOW

FOR FRESH GRAPES.

Claims use since Oct. 21, 1921.

Reg. No. 173,385. Registered Sept. 25, 1923. MILLER-CUMMINGS COMPANY, INC., New York, N. Y. Republished by Fitz-Gerald & Litrov, El Centro, Calif., a corporation of California.



The word "Brand" is disclaimed apart from the mark as shown.

FOR FRESH CANTALOUPES, FRESH CASABA MELONS, FRESH HONEY DEW MELONS, FRESH GRAPES, FRESH LETTUCE, AND FRESH TOMATOES.

Claims use since Jan. 1, 1896.

Reg. No. 178,589. Registered Jan. 15, 1924. HODGSON AND COMPANY LIMITED, doing business as Cron and Dehn, Inc., Sydney, New South Wales, Australia, and Seattle, Wash. Republished by Dehn & Co., Inc., Seattle, Wash., a corporation of Washington.

WINSOME

FOR CANNED SALMON.

Claims use since Jan. 28, 1922.

Reg. No. 182,068. Registered Apr. 1, 1924. H. KELLOGG & SONS, Philadelphia, Pa. Republished by William B. Mackey, doing business under the name and style of H. Kellogg & Sons, Philadelphia, Pa.

The words "The Sign of Quality" are disclaimed apart from the mark as shown.

FOR CANNED FRUITS, CANNED VEGETABLES, COFFEE, JAMS, JELLIES, APPLE SAUCE, CELERY SALT; CANNED POULTRY—NAMELY, BONED CHICKEN; CHILI SAUCE, CHOWCHOW; SEA FOODS—NAMELY, CRAB MEAT, LOBSTER, AND SHRIMP; CANNED FISH—NAMELY, SALMON, SHAD ROE, TUNNY FISH, ANCHOVY PASTE, AND BLOATER PASTE; CANNED MEATS—NAMELY, LAMB'S TONGUE, OX TONGUE, AND SLICED OX TONGUE; FILLED DATES, WASHED AND FILLED FIGS, GUAVA JELLY, TABLE SIRUP AND MOLASSES, MAPLE SIRUP, MAYONNAISE; NAISE MADE OF OLIVES, PIMENTOES, AND PEPPERS WITH OLIVE OIL; MINCE MEAT, OLIVES, ONION SEASONING, PAPRIKA, PEANUT BUTTER, DRIED AND EVAPORATED FRUITS, TARTAR SAUCE, SPICES, CANNED BERRIES, ORANGE MARMALADE, FRUIT PRESERVES, VINEGAR, PICKLES, AND CATCHUP.
Claims use since June 1917.

Reg. No. 183,792. Registered May 8, 1924. FRED B. NEUHOFF, doing business as Fred B. Neuhoff Company, Los Angeles, Calif. Republished by Oxnard Canners, Inc., Monterey, Calif., a corporation of California.

NAVAL

FOR CANNED SARDINES.
Claims use since on or about June 1, 1916.

Reg. No. 191,367. Registered Nov. 4, 1924. CHARLES & COMPANY, New York, N. Y. Republished by Mission Garden Co. Inc., New York, N. Y., a corporation of New York.

MISSION GARDEN

FOR DOMESTIC BEVERAGES—NAMELY, COCOA, COFFEE, TEA, AND CHOCOLATE; STAPLES—TAPIOCA, BARLEY, FARINA, SAMP, RICE, HOMINY; JELLIES AND PASTE—ALMOND PASTE, MINT-FLAVOR JELLY, ORANGE MARMALADE, CRABAPPLE, QUINCE, RED-CURRANT, AND GRAPE JELLIES; CONDIMENTS—VIZ., MAYONNAISE, TARTAR SAUCE, RUSSIAN DRESSING, AND OLIVE OIL; NUTS—VIZ., SALTED JORDAN ALMONDS, SALTED PECAN NUT MEATS, SALTED WALNUT MEATS, SALTED MIXED NUTS; CLEANED CURRANTS, AND GREEN AND YELLOW SPLIT PEAS.
Claims use since about July 1, 1910.

Reg. No. 198,831. Registered May 26, 1925. ARTHUR S. HOLDEN, doing business as Gavilan Citrus Association. Arlington, Calif. Republished by Gavilan Citrus Association, Arlington, Calif., a corporation of California.

TRUTH

FOR FRESH CITROUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since 1903.

Reg. No. 198,832. Registered May 26, 1925. ARTHUR S. HOLDEN, doing business as Gavilan Citrus Association, Arlington, Calif. Republished by Gavilan Citrus Association, Arlington, Calif., a corporation of California.

GAVILAN

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since 1903.

Reg. No. 198,833. Registered May 26, 1925. ARTHUR S. HOLDEN, doing business as Gavilan Citrus Association, Arlington, Calif. Republished by Gavilan Citrus Association, Arlington, Calif., a corporation of California.

Braeside

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since 1908.

Reg. No. 205,135. Registered Nov. 3, 1925. PERHAM FRUIT COMPANY, Yakima, Wash. Republished by Perham Fruit Corporation, Yakima, Wash., a corporation of Washington.

TULIP

FOR FRESH APPLES AND FRESH PEARS.
Claims use since June 1919.

Reg. No. 205,136. Registered Nov. 3, 1925. PERHAM FRUIT COMPANY, Yakima, Wash. Republished by Perham Fruit Corporation, Yakima, Wash., a corporation of Washington.

Golden Rod

FOR FRESH APPLES AND FRESH PEARS.
Claims use since June 1919.

Reg. No. 205,137. Registered Nov. 3, 1925. PERHAM FRUIT COMPANY, Yakima, Wash. Republished by Perham Fruit Corporation, Yakima, Wash., a corporation of Washington.

Violet

FOR FRESH APPLES AND FRESH PEARS.
Claims use since June 1919.

Reg. No. 205,754. Registered Nov. 17, 1925. CORONA CITRUS ASSOCIATION, Corona, Calif., a corporation of California. Republished by registrant.

QUEEN BEE

FOR FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT.
Claims use since 1895.

Reg. No. 205,940. Registered Nov. 17, 1925. HIGHLAND EXCHANGE ASSOCIATION, Highland, Calif. Republished by Shibi S. Dsmna, doing business as United Citrus Growers, Colton, Calif.

JOHN ALDEN

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since 1898.

Reg. No. 205,945. Registered Nov. 17, 1925. THE IRVINE CITRUS ASSOCIATION, Tustin, Calif., a corporation of California. Republished by registrant, present address Santa Ana, Calif.

Congress

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since Apr. 5, 1925.

Reg. No. 213,061. Registered May 18, 1926. VENTURA CITRUS ASSOCIATION, Ventura, Calif., a corporation of California. Republished by registrant.

BIG HIT

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1916.

Reg. No. 213,062. Registered May 18, 1926. VENTURA CITRUS ASSOCIATION, Ventura, Calif., a corporation of California. Republished by registrant.

DISPLAY

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1915.

Reg. No. 213,063. Registered May 18, 1926. VENTURA CITRUS ASSOCIATION, Ventura, Calif., a corporation of California. Republished registrant.

AWARD

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1915.

Reg. No. 213,241. Registered May 25, 1926. CORONA CITRUS ASSOCIATION, Corona, Calif., a corporation of California. Republished by registrant.

ROYAL

FOR FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT.
Claims use since 1895.

Reg. No. 215,490. Registered July 20, 1926. VENTURA CITRUS ASSOCIATION, Ventura, Calif., a corporation of California. Republished registrant.

ARMADA

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1916.

Reg. No. 216,183. Registered Aug. 3, 1926. IAMERT-HINCKS MILLING COMPANY, Kansas City, Kans., and Kansas City, Mo., a corporation of Kansas. Republished by registrant, present address Kansas City, Mo.

SPOKESMAN

FOR WHEAT FLOUR.
Claims use since October 1921.

Reg. No. 217,374. Registered Aug. 31, 1926. VENTURA CITRUS ASSOCIATION, Ventura, Calif., a corporation of California. Republished registrant.

FORGE

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1915.

Reg. No. 219,543. Registered Oct. 19, 1926. UPLAND HEIGHTS ORANGE ASSOCIATION, Upland, Calif., a corporation of California. Republished by registrant.

GOLDEN CROSS

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT.
Claims use since Feb. 1, 1910.

Reg. No. 222,209. Registered Dec. 28, 1926. CHULA VISTA CITRUS ASSOCIATION, Chula Vista, Calif. Republished by The Chula Vista Citrus Association, Chula Vista, Calif., a corporation of California.

SERRA

FOR FRESH CITROUS FRUITS—NAMELY, LEMONS.
Claims use since Jan. 1, 1916.

Reg. No. 223,400. Registered Feb. 1, 1927. HIGHLAND EXCHANGE ASSOCIATION, Highland, Calif. Republished by Shibli S. Damus, doing business as United Citrus Growers, Colton, Calif.

Priscilla

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since 1898.

Reg. No. 223,436. Registered Feb. 1, 1927. UPLAND HEIGHTS ORANGE ASSOCIATION, Upland, Calif., a corporation of California. Republished by registrant.

Gold Star

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT.
Claims use since Mar. 1, 1905.

Reg. No. 223,715. Registered Feb. 8, 1927. SWEETWATER FRUIT COMPANY, Bonita, Calif. Republished by The Chula Vista Citrus Association, Chula Vista, Calif., a corporation of California.

HIBISCUS

FOR FRESH CITROUS FRUITS—NAMELY, LEMONS.
Claims use since January 1945.

Reg. No. 226,606. Registered Mar. 29, 1927. CHULA VISTA CITRUS ASSOCIATION, Chula Vista, Calif. Republished by The Chula Vista Citrus Association (1936), Chula Vista, Calif., a corporation of California.

PALS

FOR FRESH CITROUS FRUITS—NAMELY, LEMONS.
Claims use since Jan. 1, 1916.

Reg. No. 226,380. Registered Apr. 5, 1927. CHULA VISTA CITRUS ASSOCIATION, Chula Vista, Calif. Republished by The Chula Vista Citrus Association (1936), Chula Vista, Calif., a corporation of California.

CORONET

FOR FRESH CITROUS FRUITS—NAMELY, LEMONS.
Claims use since Jan. 1, 1917.

Reg. No. 226,748. Registered Apr. 19, 1927. MALCOLM G. GIBBS, doing business as Mammy Lou Candy Co., Washington, D. C. Republished by Peoples Drug Stores, Inc., Washington, D. C., a corporation of Maryland.

Mammy Lou

FOR CANDY.
Claims use since Apr. 1, 1920.

Reg. No. 228,065. Registered May 24, 1927. SWEETWATER FRUIT COMPANY, Bonita, Calif. Republished by The Chula Vista Citrus Association, Chula Vista, Calif., a corporation of California.

MONTICELLO

FOR FRESH CITROUS FRUITS—NAMELY, LEMONS.
Claims use since Jan. 1, 1899.

Reg. No. 234,675. Registered Nov. 1, 1927. POMONA FRUIT GROWERS EXCHANGE, Pomona, Calif., a corporation of California. Republished by registrant.

PUEBLO

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since Jan. 1, 1912.

Reg. No. 243,525. Registered June 26, 1928. VICTORIA AVENUE CITRUS ASSOCIATION, Riverside, Calif., a corporation of California. Republished by registrant.

VICTORIA

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT.
Claims use since 1905.

Reg. No. 245,832. Registered Aug. 21, 1928. POMONA FRUIT GROWERS EXCHANGE, Pomona, Calif., a corporation of California. Republished by registrant.

PARROT

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since Jan. 1, 1900.

Reg. No. 247,254. Registered Sept. 25, 1928. BUFFALO FLOUR MILLS CORPORATION, Buffalo, N. Y. Republished by Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware.



FOR WHEAT FLOUR.
Claims use since Apr. 25, 1928.

Reg. No. 253,859. Registered Mar. 5, 1929. CHULA VISTA CITRUS ASSOCIATION, Chula Vista, Calif. Republished by The Chula Vista Citrus Association, Chula Vista, Calif., a corporation of California.

SUNDIAL

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since Jan. 1, 1916.

Reg. No. 256,755. Registered May 21, 1929. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

SUNNY-HOUR

FOR WHEAT FLOUR.
Claims use since October 1928.

Reg. No. 256,756. Registered May 21, 1929. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

COLUMBINE

FOR WHEAT FLOUR.
Claims use since January 1905.

Reg. No. 265,918. Registered Jan. 7, 1930. VICTOR FRUIT GROWERS, INC., Victor, Calif. Republished by Victor Fruit Growers, Victor, Calif., a firm.

SMALL BLACK



The words "Small Black" are disclaimed apart from the mark as shown.
FOR FRESH GRAPES.
Claims use since Mar. 16, 1929.

Reg. No. 287,881. Registered Oct. 13, 1931. C. A. GLASS CO., INC., Los Angeles, Calif., a corporation of California. Republished by registrant.

LO-LA-LITA

FOR FRESH BOXED APPLES AND PRUNES IN TUBS.
Claims use since Apr. 28, 1930.

Reg. No. 348,408. Registered July 27, 1937. Norris, Incorporated, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

Truly Southern

FOR CANDY.
Claims use since Oct. 1, 1934.

Reg. No. 352,637. Registered Dec. 7, 1937. Cudahy Brothers Company, Cudahy, Wis., a corporation of Wisconsin. Republished by registrant.

TOPSOL

FOR VEGETABLE SHORTENING.
Claims use since May 15, 1937.

Reg. No. 355,545. Registered Mar. 22, 1938. Seaboard Lemon Association, Oxnard, Calif., a corporation of California. Republished by registrant.



The representation of the fruit and the representation of a label are disclaimed apart from the mark as shown.
FOR FRESH LEMONS.
Claims use since July 20, 1937.

Reg. No. 355,716. Registered Mar. 29, 1938. Seaboard Lemon Association, Oxnard, Calif., a corporation of California. Republished by registrant.

STRAND

FOR FRESH CITRUS FRUITS.
Claims use since July 20, 1937.

Reg. No. 359,378. Registered Aug. 16, 1938. C. C. Lang & Son, Incorporated, Baltimore, Md., a corporation of Maryland. Republished by registrant.

XTRA HI

FOR PICKLES, PICKLED ONIONS AND SWEET RELISHES, AND PEPPER RELISHES.
Claims use since Feb. 22, 1938.

Reg. No. 370,267. Registered Aug. 22, 1939. Ray A. Hartness, Weslaco, Tex. Republished by Love-Ford Fruit Company, Pharr, Tex., a firm.

HARTNESS'
RED OWL

The word "Hartness" is disclaimed apart from the mark as shown.
FOR FRESH VEGETABLES.
Claims use since Mar. 9, 1939.

Reg. No. 372,587. Registered Nov. 7, 1939. Iemert-Hincke Milling Company, Kansas City, Mo., and Topeka, Kans., a corporation of Kansas. Republished by registrant, present addresses Kansas City, Kans., and Kansas City, Mo.

Lovely Lady

FOR WHEAT FLOUR.
Claims use since on or about July 18, 1938.

Reg. No. 372,712. Registered Nov. 14, 1939. Cudahy Brothers Company, Cudahy, Wis., a corporation of Wisconsin. Republished by registrant.

CeBeCo

FOR SMOKED MEATS—NAMELY, BACON.
Claims use since May 1931.

Reg. No. 372,713. Registered Nov. 14, 1939. Cudahy Brothers Company, Cudahy, Wis., a corporation of Wisconsin. Republished by registrant.

PAVONE

FOR BEEF AND PORK PRODUCTS—NAMELY, SALAMI SAUSAGE, PEPPERED BUTTS, AND PROSCIUTTO (HAM).
Claims use since Dec. 23, 1924.

Reg. No. 372,901. Registered Nov. 21, 1939. Cudahy Brothers Company, Cudahy, Wis., a corporation of Wisconsin. Republished by registrant.

CREAM CITY

FOR LARD, SPICED PORK AND BEEF, AND VEGETABLE SHORTENING.
Claims use since January 1921.

Reg. No. 375,684. Registered Feb. 27, 1940. Iemert-Hincke Milling Company, Kansas City, Mo., a corporation of Kansas. Republished by registrant, present addresses Kansas City, Kans., and Kansas City, Mo.



The words "White Dough" are disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since on or about Mar. 25, 1939.

Reg. No. 394,616. Registered Apr. 14, 1942. Cudahy Brothers Co., Cudahy, Wis., a corporation of Wisconsin. Republished by registrant.

Granoro

FOR REFINED EDIBLE VEGETABLE OILS.
Claims use since Nov. 13, 1941.

Reg. No. 406,078. Registered July 18, 1944. Robert Fierro, Martinsburg, W. Va. Republished by registrant.



The drawing is lined for red.
FOR FRESH DECIDUOUS FRUITS.
Claims use since Sept. 8, 1943.

Reg. No. 436,352. Registered Apr. 13, 1948. D. Ghirardelli Co., San Francisco, Calif., a corporation of California. Republished by registrant.

GHIRARDELLI

FOR GROUND CHOCOLATE, COCOA, BITTER SWEET CHOCOLATE, MILK CHOCOLATE, MINT CHOCOLATE AND RAISIN CHOCOLATE SOLD IN THE FORM OF BARS AS CANDY AND FOR COOKING PURPOSES.
Claims use since October 1878.

CLASS 47

WINES

Reg. No. 310,311. Registered Feb. 20, 1934. Bohemian Distributing Co. Ltd., Los Angeles, Calif. Republished by Bohemian Distributing Company, Los Angeles, Calif., a corporation of California.

BOHEMIAN BANQUET

FOR WINES.
Claims use since on or about Sept. 15, 1933.

Reg. No. 315,394. Registered July 24, 1934. M. L. Régnier de Nuits, Nuits-Saint Georges, France. Republished by Maison Geisweiler & Fils, Societe Anonyme, Nuits-St. Georges, France, a corporation of France.



All notations shown, excepting "ML" and the name of the applicant, are disclaimed.
FOR WINES.
Claims use since 1906.

Reg. No. 405,456. Registered Feb. 1, 1944. Lucien Ardin, Inc., New York, N. Y., a corporation of New York. Republished by registrant.



The drawing is lined for red.
FOR WINES.
Claims use since 1908.

Reg. No. 405,884. Registered Feb. 29, 1944. Lucien Ardin, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Ardin
Mosellebloom

The surname "Ardin" is disclaimed apart from the mark as shown.
FOR WINES.
Claims use since 1903.

Reg. No. 406,155. Registered Mar. 14, 1944. LUCIEN ARDIN, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Ardin
Igor

The surname "Ardin" is disclaimed apart from the mark as shown.
FOR WINES.
Claims use since 1934.

Reg. No. 406,427. Registered Apr. 4, 1944. LUCIEN ARDIN, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Ardin
Pralido

The surname "Ardin" is disclaimed apart from the mark as shown.
FOR WINES.
Claims use since 1903.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 292,528. Registered Mar. 15, 1932. GLENFORREA GLENLIVET DISTILLERY CO. LIMITED, Burnside and Leith, Scotland, and London, England. Republished by William Whiteley & Co. Inc., Dover, Del., a Delaware corporation.

KING'S RANSOM

FOR SCOTCH WHISKY.
Claims use since Feb. 28, 1928.

Reg. No. 314,550. Registered July 3, 1934. J. & G. STEWART LIMITED, Edinburgh, Scotland, a limited liability company of Great Britain. Republished by registrant.

USHER'S
(EDINBURGH)
EXTRA QUALITY
"GREEN STRIPE"
BLENDED
OLD SCOTCH WHISKY
(A BLEND OF CHOICE OLD WHISKIES)
J. & G. STEWART LTD.
DISTILLERS ESTABLISHED 1779
EDINBURGH PRODUCED IN SCOTLAND

All the wording on the drawing is disclaimed apart from the mark as shown.
FOR WHISKY.
Claims use since 1929.

Reg. No. 318,813. Registered Nov. 6, 1934. WILLIAM WHITELEY & CO. INC., Dover, Del., a corporation of Delaware. Republished by registrant.

HOUSE OF LORDS

FOR WHISKY.
Claims use since 1910.

Reg. No. 329,088. Registered Oct. 15, 1935. WILLIAM WHITELEY & CO. INC., Dover, Del., a corporation of Delaware. Republished by registrant.

"HOUSE OF COMMONS"

FOR WHISKEY.
Claims use since June 20, 1935.

Reg. No. 338,532. Registered Sept. 8, 1936. WILLIAM WHITELEY & CO. INC., Dover, Del., a corporation of Delaware. Republished by registrant.

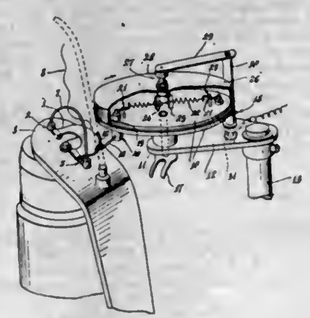
ROUND THE WORLD

FOR SCOTCH WHISKEY.
Claims use since Feb. 28, 1928.

REISSUES

MAY 24, 1949

23,114
THREAD OPERATED STOP MOTION IN CIRCULAR LOOMS
Victor Marie Joseph Ancet, Lyon, France, assignor, by mesne assignments, to Regina, S. A., a societe anonyme, Tangiers, Morocco
Original No. 2,433,824, dated January 6, 1948, Serial No. 661,920, April 13, 1946. Application for reissue December 29, 1948, Serial No. 68,333
9 Claims. (Cl. 139—371)

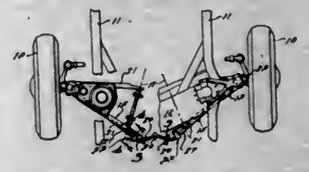


1. A weft stop motion for use in a loom having a shuttle assembly and means for advancing the assembly through a shed of warp threads, which comprises loom stopping means, a finger operable to advance with the assembly and penetrate one sheet of warp threads of the shed periodically adjacent the assembly, the finger also being movable to operate the loom stopping means, means for operating the finger, and a member mounted on the assembly and engaging the weft thread leaving the shuttle and held thereby as long as the thread is under tension, the member biased toward a position, in which it intercepts and causes movement of the finger to operate the loom stopping means.

23,115
PLANT REGULANT COMPOSITION AND METHOD
John F. Lontz, Nutley, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original No. 2,322,761, dated June 29, 1943, Serial No. 431,696, February 20, 1942. Application for reissue June 26, 1948, Serial No. 35,516
10 Claims. (Cl. 47—58)

1. A plant regulant composition containing as an essential active ingredient a compound selected from the group consisting of 2,4-dichlorophenoxyacetic acid, its esters, amides, and salts.

23,116
MOTOR VEHICLE STABILIZING MEANS
Chester C. Utz, Magnolia, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original No. 2,442,252, dated May 25, 1948, Serial No. 458,625, September 17, 1942. Application for reissue September 16, 1948, Serial No. 49,665
17 Claims. (Cl. 267—11)



1. In a vehicle including a pair of oppositely disposed wheels and independent suspension means for each wheel including a member oscillated with the associated wheel, torsion bars respectively associated with said members each having the main body thereof disposed approximately parallel to and immediately adjacent the associated member and having one end portion thereof fixedly anchored to said associated member for movement therewith, an insulating bushing rotatably connecting the main body of each of said bars with its associated member, the other end portion of each of said bars being angled from said main body thereof and connected one with the other, said connected ends cooperating with said fixed ends to torsionally stress each of said main bodies in response to relative oscillation of said members.

PLANT PATENTS

GRANTED MAY 24, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

838
ROSE PLANT
Roy L. Byrum, Richmond, Ind., assignor to Joseph H. Hill Company, Richmond, Ind., a corporation of Indiana
Application September 19, 1947, Serial No. 774,915
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the polyantha class, characterized as to novelty by its heavy canes, the form and color of its thorns, and by the size and color of its blossoms, substantially as shown and described.

839
ROSE PLANT
Roy L. Byrum, Richmond, Ind., assignor to Joseph H. Hill Company, Richmond, Ind., a corporation of Indiana
Application September 19, 1947, Serial No. 774,916
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by its very free growth; good production of flowers of distinct coloring, substantially as shown and described.
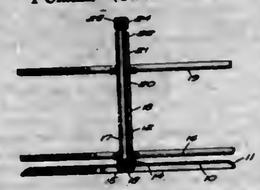
840
ROSE PLANT
Vincenzo Sodano, known as Jimmy Sodano, Madison, N. J.
Application April 22, 1947, Serial No. 743,110
1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant, substantially as herein shown and described, characterized particularly by the large dark green foliage devoid of thorns; its free and vigorous growth; the large size of its flowers and petals; its lasting fragrance; the retained high-centered form of the flowers as well as the unruffled and only slightly reflexed edge of the petals; and the velvety brilliance of its newly-opened flowers of dark Tyrian Rose which deepens as the flower ages.

PATENTS

GRANTED MAY 24, 1949

2,470,749
ROTATABLE SHELF
Waldo Emerson Randall, Cranston, R. I.
Application August 9, 1946, Serial No. 689,315
1 Claim. (Cl. 211—146)



A supporting structure comprising a base, a spindle extending upwardly from said base, a plurality of sleeves of different axial extent removably and rotatably mounted on said spindle one upon the other upwardly from the base, at least one of said sleeves serving as a hub for a shelf carried thereby and extending therethrough and collars on both sides of the shelf threadedly secured to the hub, said hub providing a bearing for rotatable mounting on a spindle whereby the shelf may be adjustably positioned for rotation about the spindle with reference to the base by selecting the order of arrangement of the sleeves with reference to the base.

2,470,750
METHOD OF PREPARING GUM-CONTAINING SEEDS FOR DEHUSKING
Bernard Chiego, Newark, N. J.
No Drawing. Application June 16, 1944, Serial No. 540,745
2 Claims. (Cl. 146—235)

2. The process of treating seeds having a tough outer coating or husk difficult of removal, such as the seeds from the carob tree and the *Delonix regia* from their endosperms containing gum valuable in industry which consists in treating the seeds, to aid in removing the coating or husk, in an aqueous, approximately 2% solution of an acid reducing salt of the group consisting of bisulfites and bisulfates at super-atmospheric pressures and temperatures at a steam gauge pressure, ranging from 20 to 100 lbs. for from approximately 5 to 30 minutes which will soften the seed coat without effecting the state of hydration of the endosperms, then washing the seeds and removing the husks, then removing the cotyledons and other parts of the embryo from the endosperms.

2,470,751
METHOD OF PREPARING GUM-CONTAINING SEEDS FOR DEHUSKING
Bernard Chiego, Newark, N. J.
No Drawing. Original application June 16, 1944, Serial No. 540,745. Divided and this application February 12, 1949, Serial No. 76,199
4 Claims. (Cl. 146—235)

1. The method of preparing *Ceratonia siliqua* (carob) and *Delonix regia* seeds for dehusking which comprises treating the seeds over a relatively short period of time ranging substantially from five to thirty minutes at super-atmospheric pressure and temperature at steam gauge pressure ranging from 20 to 100 lbs., in a solution of water and a substance selected from the group consisting of (1) water soluble alcohols in approximately 5–15% concentration, (2) water soluble mono glycol ethers in approximately 5–15% concentration which will soften the coats of said seeds while at the same time perfectly controlling the state of hydration of the endosperms.

2,470,752
INTERPOLYMER PRODUCED FROM POLYHYDRIC ALCOHOL, POLYBASIC ACID, AND INTERPOLYMER OF MONOVINYLAROMATIC COMPOUND, OLEFINIC ACID, AND DRYING OIL OR OIL FATTY ACID
Edward G. Bobalek, Cleveland, Ohio, assignor to The Arco Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 2, 1947, Serial No. 751,966
11 Claims. (Cl. 260—22)

1. An ungelled resinous interpolymer formed from about 30 to 80 percent by weight of (1) an ungelled interpolymer produced from (a) a monovinylaromatic compound selected from the group consisting of styrene, vinylnaphthalene, fluorostyrene, chlorostyrene, methoxystyrene, hydroxystyrene, methylstyrene, trifluoromethylstyrene, trichloromethylstyrene, and alpha-methylstyrene, in amount from about 10 to 60 percent by weight, (b) a monocarboxylic olefinic acid containing a single olefinic carbon-carbon linkage and the carboxyl group as sole functional group, at least one hydrogen atom on the beta-carbon, and an aliphatic carbon chain length up to four carbon atoms, exclusive of carboxyl groups, in amount from about 2 to 25 percent by weight of the monovinylaromatic compound, and (c) a compound selected from the group consisting of drying oils and drying oil fatty acids having an average double bond content, as determined by Woburn iodine number, between about 133 and 274; the remaining 70 to 20 percent by weight of the starting reactants being (2) a polyhydric alcohol containing as sole functional groups at least three and not more than six hydroxyl groups per molecule, and (3) a polybasic organic acid selected from the group consisting of saturated and unsaturated polybasic acids containing the carboxyl groups as sole functional groups; the relative proportions of polyhydric alcohol (2) and polybasic acid (3) being such as to render the ratio of hydroxyl groups to carboxyl groups in the starting reactants between about 1.1 and 2.0 to 1, said resinous interpolymer having an acid value below about 40.

2,470,753
THERMOSTATIC LAMINATED METAL
Clarence F. Alban, Pontiac, Mich., assignor to W. M. Chace Company, Detroit, Mich., a corporation of Michigan
Application February 16, 1946, Serial No. 648,373
7 Claims. (Cl. 29—195.5)

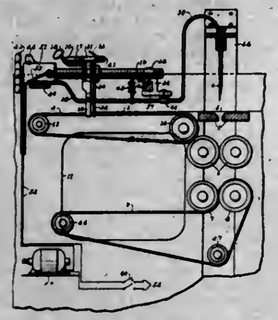
6. Laminated thermostatic metal comprising at least three laminations joined together, said laminations each consisting of a metal or metal alloy, one of said laminations having a higher thermal

expansion rate throughout a given range of temperatures than the expansion rates of the other two laminations, and said other two laminations having thermal expansion rates, the plotted



curves of which are equal or approach equality at a certain temperature within said given range of temperatures whereby the deflection rate of said thermostatic metal decreases above said certain temperature.

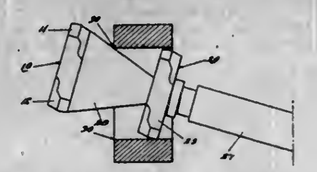
2,470,754
FOLDING MACHINE
Myron D. Alber, Alexandria, Va.
Application April 25, 1947, Serial No. 743,905
3 Claims. (Cl. 270—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a sheet folding machine having a drop knife for folding sheet material, means for feeding sheet material to a station below said knife, a motor for driving the knife and the feeding means, and means for arresting sheet material at said station, the improvement comprising means for controlling the operation of the machine motor, means responsive to movement of the knife in sheet folding operations to actuate said motor control means for stopping said motor, and movable means positioned in the path of movement of said sheet material and being mounted for movement by engagement with the leading edge of sheet material advancing into engagement with said arresting means, said movable means being operated by said advancing sheet material for rendering said actuating means inoperative.

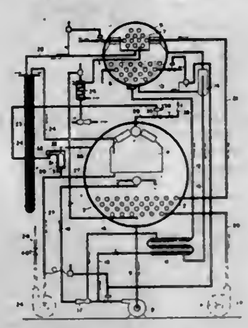
2,470,755
BORE GAUGE
Erik H. Aldeborgh, Poughkeepsie, and Alfred Hamilton Emery, Wappingers Falls, N. Y., assignors to Standard Gage Company, Inc., Poughkeepsie, N. Y., a corporation of New York
Application April 24, 1945, Serial No. 590,010
3 Claims. (Cl. 33—178)

3. In a progressive bore gage, in combination, a handle, a maximum gaging member mounted on said handle with its center coinciding with the axis of the handle, a conical frustum mounted on said handle with its apex adjacent the surface of said maximum gaging member, said conical frustum being concentric with said handle and maximum gaging member, and a minimum gaging member mounted on said handle adjacent the base of said conical frustum, said minimum gaging member being likewise concentric with said conical frustum, said maximum gaging member, and the axis of said handle, whereby said coni-



cal frustum permits tilting of the gage in the bore and forms a guide to facilitate the entrance of the minimum gage member into the bore during withdrawal of the gage from a through bore.

2,470,756
CONTROL ARRANGEMENT FOR ABSORPTION REFRIGERATION SYSTEMS
Alexis A. Berestneff, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application July 13, 1946, Serial No. 683,389
6 Claims. (Cl. 62—5)

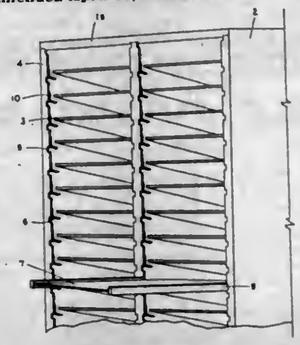


1. In an absorption refrigeration system, the combination of a shell, a cooling member in said shell, said shell and said cooling member cooperating to form an absorber, a second member in said shell, said shell cooperating with said second member to form an evaporator, refrigerant supplied to the evaporator being flash-cooled, the flashed vapor passing to the absorber to be absorbed by solution therein, the cooled refrigerant collecting in the evaporator, a generator, a condenser, the absorber, evaporator, generator and condenser being disposed in a closed circuit, a line through which refrigerant is supplied to the evaporator, a second line through which refrigerant is withdrawn from the evaporator, means for passing refrigerant through said lines and the evaporator, control means in said first line for regulating the quantity of refrigerant supplied to the evaporator, and means responsive to variation in refrigerant level in said evaporator for governing the operation of said control means.

2,470,757
INTERPOLYMER OF MONOVINYLAROMATIC COMPOUND, MONOCARBOXYLIC OLEFINIC ACID AND DRYING OIL OR ACID
Edward G. Bobalek, Cleveland, Ohio, assignor to The Arco Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 2, 1947, Serial No. 751,965
12 Claims. (Cl. 260—23)

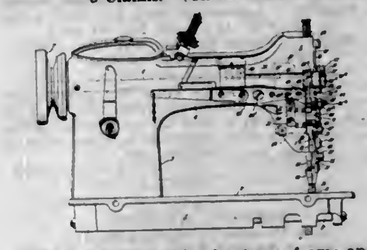
1. An ungelled resinous interpolymer formed from about 10 to 60 per cent by weight of (a) a monovinylaromatic compound selected from the group consisting of styrene, vinylnaphthalene, fluorostyrene, chlorostyrene, methoxystyrene, hydroxystyrene, methylstyrene, trichloromethylstyrene, trifluoromethylstyrene, and alphamethylstyrene, (b) a monocarboxylic olefinic acid containing a single olefinic carbon-carbon linkage and the carboxyl group as sole functional group, at least one hydrogen atom on the beta-carbon, and an aliphatic carbon chain length up to four carbon atoms, exclusive of carboxyl groups, in amount from about 2 to 25 per cent by weight of the monovinylaromatic compound (a), the remainder being (c) a compound selected from the group consisting of drying oils and drying oil fatty acids having an average double bond content, as determined by Woburn iodine number, between about 133 and 274.

2,470,758
DISTRIBUTION OF MANIFEST SHEETS
Clem Bursett, Seattle, Wash.
Application July 3, 1946, Serial No. 681,266
5 Claims. (Cl. 211—134)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



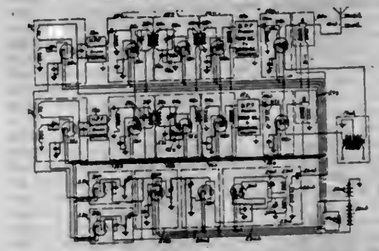
4. In combination in apparatus for the distribution of material, a housing, vertically spaced shelves in said housing, a distributing tray having a portion extending into said housing and adapted to rest on any one of said shelves, said shelves terminating short of the front of said housing, vertically disposed facing members on the front of said housing opposite the sides of said shelves and spaced from the forward ends of said shelves, said facing members having openings therein at a point above one of said shelves to permit passage of said extended portion of said tray into said housing, and said facing members having inwardly extending members extending beneath said shelves, said facing members and inwardly extending members being disposed for engagement with said extended portion of said tray during movement of said tray from one shelf to another and normally retaining said extended tray portion within said housing during said movement of said tray, said tray comprising a base plate, side members adapted to receive said base plate for a portion of their length, hook members affixed in said side members, and providing lateral projections, said hook members being retained in position by a portion of said base plate.

2,470,759
FEEDING MECHANISM FOR SEWING MACHINES
Andrew B. Clayton, Silver Bay, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application October 18, 1947, Serial No. 780,727
5 Claims. (Cl. 112—212)



1. In a sewing machine having a frame and a rotary drive-shaft journaled in said frame; a work feeding mechanism comprising an upper four-motioned feeding-foot engaging the work at its upper side; a rotary feed-shaft journaled in said frame adjacent and substantially parallel to said drive-shaft; a rotary driving connection between said drive-shaft and said feed-shaft for rotating the latter from the former; a feed-drive eccentric on said feed-shaft; operative connections between said feed-drive eccentric and said feeding-foot to give to the feeding-foot feed and return movement; a feed-lift eccentric on said feed-shaft; and operative connections between said feed-lift eccentric and said feeding-foot to give to the feeding-foot rising and falling movements in timed relation with its feed and return movements.

2,470,760
ELECTRICAL COMMUNICATION SYSTEM
Paul Curry, New Haven, Conn.
Application November 2, 1946, Serial No. 707,348
12 Claims. (Cl. 250—6)



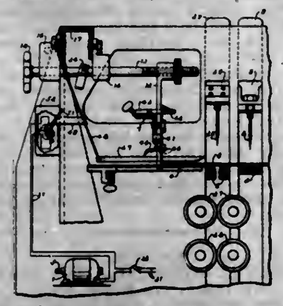
1. A method for electrically communicating intelligence, which method comprises: coincidental-

ly transmitting two frequency-modulated carrier-waves each of which carrier-waves has at least one of its frequency-limits differing from the similar frequency-limit of the other of said carrier-waves; additionally modulating at least one of the said frequency-modulated carrier-waves by imposing thereon the intelligence or signal to be transmitted; and at a receiving-station extracting the intelligence from the doubly-modulated carried-wave under the control of the other of the said carrier-waves.

2,470,761
SOLVENTS AND PLASTICIZERS FOR VINYL RESINS
Jean Delorme, Bron, and René Bluma, Asnieres, France, assignors to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
No Drawing. Application May 21, 1945, Serial No. 595,078. In France July 30, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 30, 1963
2 Claims. (Cl. 260—32.8)

2. A composition from which the solvent may be substantially completely removed, that is adapted to use as a glue or varnish consisting essentially of a clear, ungelled solution of polyvinyl chloride and benzaldehyde.

2,470,762
FOLDING MACHINE
Leo R. Dickenson, Washington, D. C.
Application April 25, 1947, Serial No. 743,906
4 Claims. (Cl. 270—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a sheet folding machine having a motor for driving the machine, a movable guide bar, sheet guide means carried by said bar, means carried by said bar for gripping sheets, means for perforating sheets arrested by said guide means, a folding knife intermediate said guide bar and said perforating means, and means for reciprocating said bar to advance perforated sheets gripped by said gripping means from a sheet perforating station below said perforating means to a sheet folding station in which the perforations of the perforated sheets underly said knife, the improvement comprising means including a pawl and ratchet bar, said pawl being carried by the guide bar, said pawl and said ratchet bar normally being in operative engagement with each other to transmit the sheet advancing movement of said guide bar to said ratchet bar, a device operable by said ratchet bar and adapted to control the motor of said machine, and means responsive to sheets fed into engagement with said guide means for disconnecting said pawl from said ratchet bar.

2,470,763
FLUX COATED ALUMINUM ROD FOR GAS WELDING
Dorris Monell Doyle, Springfield, Pa.
No Drawing. Application September 13, 1946, Serial No. 696,958
3 Claims. (Cl. 148—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A flux composition for use in welding aluminum consisting of about 40% of lithium fluoride, about 40% of sodium fluoride, and about 20% of calcium fluoride.

2,470,764
METHOD OF TREATING WASTE SULFITE LIQUOR
Thomas Leonidas Dunbar, Watertown, N. Y.
No Drawing. Application September 23, 1943, Serial No. 503,559
10 Claims. (Cl. 92—11)

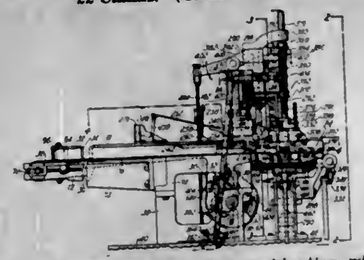
1. A process of producing cellulosic pulp which comprises digesting cellulosic material with sulphite liquor in a digestion zone, withdrawing spent liquor from the zone after completion of the digestion; treating the spent liquor with an oxidizing agent separating the solid material which is formed from the liquor, treating said liquor with a precipitating agent, separating the clear liquor from the precipitate, and employing the separated liquor for digestion.

2,470,765
BREAD COOLING AND PROOFING RACK
James M. Dunston, Jeffersonville, Ind.
Application September 11, 1945, Serial No. 615,685
7 Claims. (Cl. 211—136)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. A rack comprising front and rear channeled standards, the flanges of said rear standards being provided with vertically spaced U-shaped slots and the flanges of each of said front standards being provided with vertically spaced curved indentations terminating in notches, said notches being opposite said slots, a plurality of vertically spaced shelves supported by the flanges of said standards, two laterally projecting threaded pins connected to each of two opposite sides of each of said shelves, each of said pins being provided with a head on the outer end thereof, and nuts disposed on the threaded portions of said pins whereby said shelves may be securely attached to said flanges when said shelves are positioned with that portion of the pins between the nuts and the heads thereof disposed in the slots and the notches of said flanges and the nuts are tightened thereagainst.

2,470,766
CIGAR MACHINE
James P. Durning, deceased, late of St. Albans, N. Y., by Jean L. Durning, executrix, St. Albans, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application February 17, 1944, Serial No. 522,701
22 Claims. (Cl. 131—21)

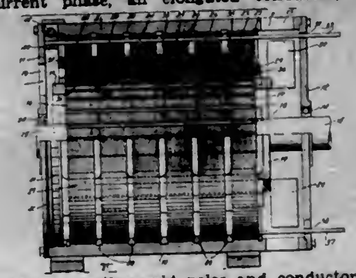


1. In a cigar machine, the combination with mechanism for superimposing bunch lengths of long filler tobacco to form a vertical column of laminated cigar bunch lengths wherein the filler tobacco is arranged horizontally, of means for compacting said tobacco column vertically, a horizontal knife having a cutting edge on its forward end extending diagonally thereof, a reciprocable support movable horizontally toward and away from said column, said knife having its rear end fastened to said support and projecting forwardly from said support in a horizontal plane spaced from one end of the tobacco column a distance considerably less than the horizontal width and length of said column and to traverse said column of tobacco when said support is moved toward the column and thereby separate a thin bunch charge from said one end of the compacted tobacco column, the cutting edge of said knife being beveled and extending diagonally thereof at an angle of approximately 45 degrees or more and the beveled side of said cutting edge being on the side of the knife which is out of contact with said bunch charge.

14. In a cigar machine, the combination with means for separating bunch lengths from a continuous layer of filler tobacco and superimposing them to form a vertical column of bunch lengths, of a hollow charge transfer having an open bottom and arranged to admit the lower end of said column, a device for separating the portion of said column within said charge transfer from the remainder of the column, a rolling apron having a portion thereof arranged at a position laterally spaced from the bottom of said transfer, mechanism for moving the charge transfer with the separated charge therein to advance the charge upon said portion of said apron, and a member underlying said transfer to support the charge therein while it is being advanced toward said apron.

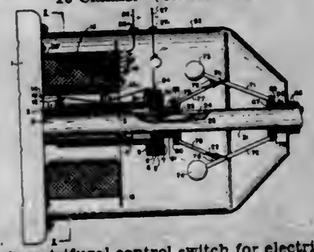
2,470,767
POLYPHASE ALTERNATING CURRENT DYNAMO
Charles E. Ellis, Mahwah, N. J.
Application December 6, 1945, Serial No. 633,151
16 Claims. (Cl. 318—243)

1. In a polyphase alternating current dynamo-electric machine, the combination of a plurality of magnetic poles having their faces disposed in a row, windings for the several poles each adapted to be connected to a corresponding alternating current phase, an elongated conductor, and



means mounting said poles and conductor for relative movement of said conductor substantially parallel to itself in a direction at an angle to its length with the row of energized pole faces disposed at an angle to said conductor and spaced therefrom by a substantially uniform air gap.

2,470,768
RHEOSTAT WITH CENTRIFUGAL OPERATOR
Robert A. Felburg, Newark, N. J.
Application April 23, 1946, Serial No. 664,166
10 Claims. (Cl. 201—48)



1. A centrifugal control switch for electric motors comprising a driven motor shaft, a centrifugal weight system displaceable in proportion to the speed of the motor shaft, a tubular projection concentrically surrounding said motor shaft and forming a guide, a collar member slidable on the guide formed by said tubular projection, a connection between said centrifugal weights and said collar member, an electric contact system associated with said collar member, a complementary electric contact system associated with said tubular projection, and spring means for normally maintaining said contact systems in electrical contact for completing an electrical circuit through said contact systems, said centrifugal weights operating under conditions of excessive speed for separating said contact systems and opening the electrical circuit.

2,470,769
COLOR PHOTOGRAPHIC MATERIAL AND PROCESSES FOR PRODUCING SAME
Bela Gaspar, Hollywood, Calif., assignor to Chromogen Incorporated, a corporation of Nevada
No Drawing. Application May 29, 1944, Serial No. 537,967. In Great Britain August 28, 1939
19 Claims. (Cl. 95—6)

7. A process for producing a colored photo-

graphic image in a photographic material comprising a plurality of colloid layers, at least one of said layers containing a silver image and at least one of said layers being diffusely dyed with a soluble high molecular weight dye which includes the following general structure

$$(-Ar-N=N)_n$$

formed by a plurality of identical low molecular weight members Ar—N=N, wherein Ar stands for a group which has both a coupling position and at least one salt-forming substituent and comprises an aromatic radical capable of carrying an azo group, n stands for an integer greater than one, said members Ar—N=N being linked together by the azo group of one member being attached to the coupling position of the next member which comprises treating said material to locally destroy by reduction said dye in the presence of said silver image and washing said material.

17. A photographic material comprising at least two superposed colloid layers, at least one of the layers being a light sensitive silver halide emulsion layer and at least one layer comprising a soluble high molecular weight dye which carries at least one solubilizing group and includes the following general structure:

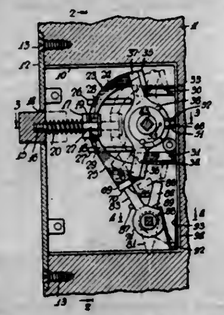
$$[-B(-Ar_1-N=N-)_aAr_2-]_n$$

formed by a plurality of low molecular weight members

$$-B(-Ar_1-N=N-)_aAr_2-$$

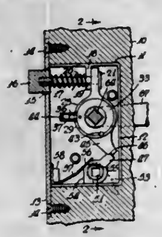
wherein Ar_1 and Ar_2 stand for a group comprising a radical selected from the class consisting of aromatic, heterocyclic and aliphatic radicals capable of carrying an azo group, B stands for a heteronuclear bond which in at least one low molecular weight member of the series comprises the group —CO—NH—, n stands for an integer greater than one and a stands for an integer from one to four and the product of a and n is greater than two.

2,470,770
COMMUNICATING DOOR LOCK
Henry Stephen Harvey, Palm Beach, Fla., assignor to Independent Lock Company, Fitchburg, Mass., a corporation of Massachusetts
Application January 24, 1945, Serial No. 574,315
2 Claims. (Cl. 292—173)



2. In a communicating door or the like having a spring projected latch bolt, the combination therewith comprising a spindle operable rollback hub engaging a retractor link for the latch bolt, locking elements mounted upon rotatable hubs, each including a dogging finger, a lug on said link directed edgewise toward said dogging fingers and restrained radially toward said fingers in a pre-dead-center position, said locking elements being independently operable from each face of the door.

2,470,771
LATCH
Henry Stephen Harvey, Palm Beach, Fla., assignor to Independent Lock Company, Fitchburg, Mass., a corporation of Massachusetts
Application January 24, 1945, Serial No. 574,316
9 Claims. (Cl. 292—173)



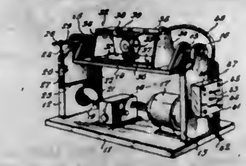
1. In a lock including a casing having a spring projected latch bolt and a retractor assembly including a rollback operated by a spindle, a hub for said retractor including spring means for orienting the rollback to a neutral position, comprising a coiled spring mounted upon a spool and housed within the rollback and axially thereof, the spring having its opposite ends anchored against expansion in said spool, said spool being keyed with said rollback, an end of said spring having anchoring engagement with respect to said casing, to urge said rollback to the neutral position.

2,470,772
METHOD OF REDUCING THE ADHESION OF ICE TO RUBBERY SURFACES
Eugene G. Haas, Copley Township, Summit County, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application March 11, 1944, Serial No. 526,140
12 Claims. (Cl. 117—139)

3. The method of reducing the adhesion of ice to the surface of a rubbery material normally subjected to icing conditions which comprises associating with at least the surface of said rubbery material a liquid polymeric silicone, said silicone having been prepared by the hydrolysis of a mixture of dimethyl silicon dichloride and monomethyl silicon trichloride and subsequent polymerization to the liquid stage, and providing thereby a resulting extensible elastic film on said surface stretchable with the rubbery material and resistant to adhesion of ice under said icing conditions.

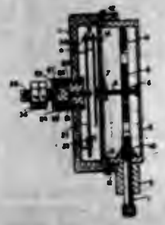
6. The method of making ice-removing apparatus which comprises admixing a liquid polymeric silicone with a rubbery material and forming an inflatable structure from the mixture, said silicone providing on an exposed surface of said structure an extensible and elastic film stretchable with the rubbery material upon inflation of the said structure.

2,470,773
ASYMMETRIC SCORSBY AND METHOD OF OPERATION
Robert Haskins, Jr., Rutherfordton, N. C., assignor to The Sperry Corporation, a corporation of Delaware
Application May 3, 1944, Serial No. 533,985
13 Claims. (Cl. 73—1)



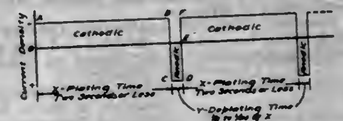
1. In a rotating gyro bearing friction determining device wherein bearing friction is determined in place in the gyro, the improvements comprising means for mounting a gyro for movement about an axis in line with a bearing axis of the gyro, means for maintaining said gyro in a fixed position with respect to said bearing axis, means for imparting asymmetrical motion to said mounting means about said bearing axis, and means for measuring the displacement of said gyro due to said asymmetrical motion as a measurement of bearing friction.

2,470,774
INDICATING DEVICE
Walter T. Haswell, Jr., United States Navy
Application April 12, 1945, Serial No. 588,050
2 Claims. (Cl. 200—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



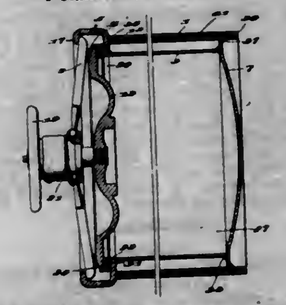
2. In an indicating instrument having a rotary indicator needle rotated in a vertical plane and a follower arm movable by and with the needle in both of two opposite movements of the needle for closing and opening an electric circuit through the needle and follower arm in response to one or the other opposite movements of the needle respectively, a pivotal bearing for the follower arm comprising a pivot shaft, a sleeve bearing member having a horizontal bore in which the shaft fits loosely, a thrust-bearing block of magnetized material closing one end of the bore and against which one end of the pivot shaft is held in direct contact by magnetic attraction in a direction away from the needle, said one end having a point bearing directly against the magnetized pivot block, a casing and transparent cover-plate housing the needle, said sleeve bearing member being threaded into a portion of the cover-plate, the thrust-bearing block being fixedly secured to the sleeve bearing member and provided with a turning shaft for rotating the block and sleeve bearing for adjustment of the bearing as a whole to and away from the needle, said follower arm being connected with the pivot shaft through a follower rod at a point mid way between the ends of the rod.

2,470,775
ELECTROPLATING NICKEL AND COBALT WITH PERIODIC REVERSE CURRENT
George W. Jernstedt and Myron Ceresa, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 9, 1947, Serial No. 759,796
7 Claims. (Cl. 204—43)



1. In the process of electroplating nickel, cobalt and nickel-cobalt alloys on a member from an electroplating electrolyte thereof, the steps comprising applying to the member, while in contact with the electrolyte, a periodically reversed electrical current consisting of successive cycles, of which each cycle renders the member cathodic for a period of time of less than two seconds to electrodeposit an increment of metal on the member and then renders the member anodic for a period of time of from ½ to 1/25 of the cathodic time period to deplate the metal, the anodic period being not less than 1/500 of a second, the current density during the anodic period being substantially equal to the current density applied during the cathodic period.

2,470,776
STERILIZER CONSTRUCTION
Raymond L. Jewell, Erie, Pa., assignor to American Sterilizer Company, Erie, Pa.
Application November 14, 1944, Serial No. 563,365
4 Claims. (Cl. 220—10)



1. In a sterilizer, the combination comprising a continuous metal door frame having an approximately U-shaped cross section with parallel, inwardly directed long and short legs; a spaced pair of metal body sheets defining a steam jacket and a sterilizing chamber; closure means for the sterilizing chamber and the steam jacket fixedly secured to the body sheets at one end of the sterilizer, said body sheets at the other end of the sterilizer being arranged with their entire

corresponding ends continuously abutting the outer face of the long leg of said door frame; and continuous welding seals extending around the respective ends of the body sheets and securing said sheets to the outer face of the long leg of said door frame.

2,470,777

PROCESS OF PREPARING 10,11-DIHYDRO-7-R-PHENANTHRO-[2,1-d] ISOXAZOLES, AND PRODUCTS OF SUCH PROCESS

William S. Johnson, Madison, Wis., Jack W. Petersen, Oakland, Calif., and Carl David Gutsche, St. Louis, Mo., assignors to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin

No Drawing. Original application October 1, 1946, Serial No. 700,380. Divided and this application November 13, 1947, Serial No. 785,822
6 Claims. (Cl. 260—307)

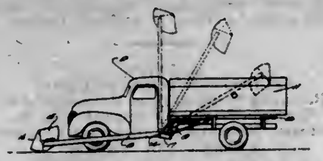
1. The process of producing a 10,11-dihydro-7-R-phenanthro-[2,1-d] isoxazole, in which R is a member of the class consisting of hydrogen and lower alkoxy groups and lower aralkoxy groups, which consists in treating a 1-keto-2-hydroxymethylene-7-R- 1,2,3,4 - tetrahydrophenanthrene with hydroxylamine.

2,470,778

HYDRAULIC SYSTEM FOR SELF-LOADING TRUCKS

Anatoly Lankovski and Michael Graves, Los Angeles, Calif., assignors to Matthew B. Butler, Chicago, Ill.

Application June 25, 1946, Serial No. 679,244
9 Claims. (Cl. 214—78)



1. In combination with a truck having arms swingably mounted thereon for lifting a load and depositing it on the body of the truck through a position wherein the center of gravity of the load and arms is over the center of swing of the arms, hydraulic cylinders having pistons therein for actuating the arms, means for optionally supplying fluid pressure to either end of each cylinder and returning fluid from the other end thereof, and means for throttling the return of fluid from said other ends whenever the load begins to descend by gravity from said position so as to retard its descent.

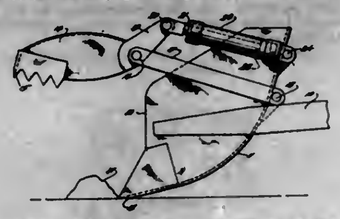
2,470,779

SCOOP CONSTRUCTION FOR SELF-LOADING TRUCKS

Anatoly Lankovski and Michael Graves, Los Angeles, Calif., assignors to Matthew B. Butler, Chicago, Ill.

Application June 25, 1946, Serial No. 679,245
7 Claims. (Cl. 214—145)

1. In combination with a scoop, a closure for the forward end of the scoop, means providing a pivot for the closure which pivot is movable relatively to the scoop, and means for swinging the closure relatively to the pivot to open and close the forward end of the scoop whereby the closure may descend into engagement with a ground surface on which the scoop is positioned and cause to engage the ground in advance of



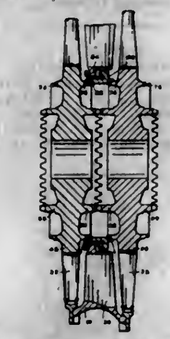
the forward end of the scoop and then be drawn into scoop closing position and in so doing to scrape material on the ground in advance of the scoop into the scoop.

2,470,780

DIAPHRAGM SEAL FOR GAS TURBINES

Walter A. Ledwith, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application August 23, 1944, Serial No. 550,890
5 Claims. (Cl. 60—41)



1. A turbine rotor including blade carrying disks having spacing means therebetween for holding said discs in predetermined spaced relation and concentric to one another, said discs also having laterally projecting flanges adjacent the blade roots and spaced radially outward from said spacing means, and a diaphragm seal supported by said flanges, said seal extending between the discs and having passages for the escape of cooling air from within the rotor.

2,470,781

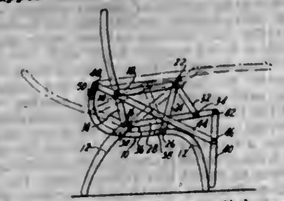
RECLINING ARTICLE OF FURNITURE

Anton Lorenz, Buffalo, N. Y.

Application August 22, 1946, Serial No. 692,225
In Czechoslovakia March 15, 1946
7 Claims. (Cl. 155—105)

1. A reclining article of furniture, comprising: a support, a back-rest pivoted to said support, a top link, the rear portion of said top link being pivoted to an intermediate point of said back-rest above said pivotal connection between the back-rest and the support, a connecting link, one end portion of said connecting link being pivoted to the front portion of said top link, the other end

portion of said connecting link being pivoted to said support at a point spaced from the pivotal connection between the back-rest and the support, said back-rest, said top link, said connecting link and the stationary portion of the support between the pivotal connection of the connecting link with the support and of the back-rest with the support



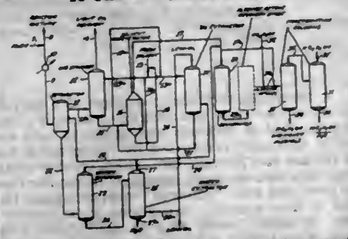
forming the links of a four-bar link-mechanism, a seat, the rear portion of said seat being pivoted to said support at a point spaced from the pivotal connection between the back-rest and the support, and a front link, one end portion of said front link being pivoted to the front portion of said seat, and the other end portion of said front link being pivoted to the top link.

2,470,782

SEPARATION OF ORGANIC COMPOUNDS

Henry G. McGrath, Elizabeth, Herbert J. Passino, Englewood, and Louis C. Rubin, West Caldwell, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application November 14, 1940, Serial No. 709,871
15 Claims. (Cl. 260—450)



1. A process for treating the reaction product obtained in the hydrogenation of carbon monoxide wherein said product contains hydrocarbons and oxygenated organic compounds comprising aldehydes, ketones, alcohols, acids, and esters which comprises cooling said product to obtain an uncondensed gas phase and a condensate comprising an oil phase and a water phase wherein each of said phases contains at least a portion of said hydrocarbons and at least a portion of said oxygenated compounds, separating the oil phase and the water phase, separately subjecting the oil phase to extraction with a solvent for oxygenated compounds to obtain an extract containing oxygenated compounds substantially hydrocarbon-free and a lean oil raffinate, separately subjecting the water phase obtained in the first-mentioned cooling step to distillation to separate said water phase into a high-boiling fraction comprising an aqueous mixture of organic acids, esters, aldehydes, ketones, and alcohols having at least four carbon atoms per molecule and a low-boiling fraction comprising alcohols having up to three carbon atoms per molecule, subjecting said last-mentioned high-boiling fraction to extraction treatment with a portion of said lean oil raffinate to obtain an extract containing alcohols having at least four carbon atoms per molecule and a water raffinate, and passing said last-mentioned extract to said first-mentioned extraction treatment in combination with said first-mentioned oil phase.

2,470,783

PLANE MARKER BUOY

Vincent A. Mead, United States Navy

Application May 15, 1945, Serial No. 593,696
18 Claims. (Cl. 9—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An air-sea rescue device for indicating the location of submerged aircraft, comprising a housing releasably secured to the aircraft, a buoyant chamber within the housing, hydrostatic release means including slidable catches operable upon submersion of the housing to release the housing from the aircraft, an anchor line for connecting the housing to the aircraft, and visual indicating means energized by actuation of the hydrostatic release means to indicate the location of the buoy and the aircraft.

2,470,784

GAMMA IRON OXIDE-ALKALI METAL FERRATE AND PROCESS OF PREPARATION

Max A. Mosesman, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

No Drawing. Original application December 20, 1946, Serial No. 717,562, now Patent No. 2,455,696. Divided and this application June 23, 1948, Serial No. 34,843
10 Claims. (Cl. 252—474)

1. A method for preparing a catalyst adapted for use in a Fischer-Tropsch synthesis which consists of the steps of preparing an admixture of gamma iron oxide and alkali metal ferrate in an amount in the range between 0.2 and 20% by weight of said gamma iron oxide, heating said admixture at a superatmospheric temperature of about 1000° F. for about 4 hours in the presence of an oxidizing atmosphere, and subsequently contacting the admixture with a reducing atmosphere at a superatmospheric temperature in the range between 700° and 1600° F. for about 24 hours.

2,470,785

ALPHA IRON OXIDE-ALKALI METAL FERRATE CATALYST AND PROCESS OF PREPARATION

Max A. Mosesman, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

No Drawing. Original application December 20, 1946, Serial No. 717,562, now Patent No. 2,455,696. Divided and this application June 28, 1948, Serial No. 35,741
10 Claims. (Cl. 252—474)

1. A method for preparing a catalyst adapted for use in a Fischer-Tropsch synthesis which con-

sists of the steps of preparing an admixture of alpha iron oxide and alkali metal ferrate in an amount in the range between 0.2 and 20% by weight of said alpha iron oxide, heating said admixture at a superatmospheric temperature of about 1000° F. for about 4 hours in the presence of an oxidizing atmosphere, and subsequently contacting the admixture with a reducing atmosphere at a superatmospheric temperature in the range between 700° and 1600° F. for about 24 hours.

2,470,786

FERRO-FERRIC OXIDE-ALKALI METAL FERRATE CATALYST AND ITS METHOD OF PREPARATION

Max A. Mosesman, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

No Drawing. Original application December 20, 1946, Serial No. 717,582, now Patent No. 2,455,696. Divided and this application July 29, 1948, Serial No. 41,413

10 Claims. (Cl. 252—474)

1. A method for preparing a catalyst adapted for use in a Fischer-Tropsch synthesis which consists of the steps of preparing an admixture of ferro-ferric oxide and alkali metal ferrate in an amount in the range between 0.2 and 20% by weight of said ferro-ferric oxide, heating said admixture at a superatmospheric temperature of about 1000° F. for about 4 hours in the presence of an oxidizing atmosphere, and subsequently contacting the admixture with a reducing atmosphere at a superatmospheric temperature in the range between 700° and 1600° F. for about 24 hours.

2,470,787

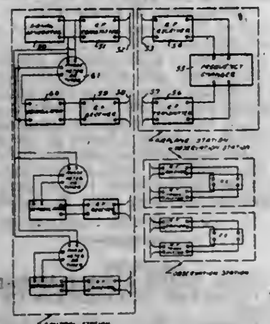
SYSTEM FOR DETERMINING THE POSITION OR PATH OF AN OBJECT IN SPACE

Paul W. Noaker, Yellow Springs, Ohio

Application May 4, 1944, Serial No. 534,126

2 Claims. (Cl. 342—12)

Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Means for continuously obtaining information sufficient to determine the instantaneous position of an airplane with respect to three ground points located at the vertices of a triangle, said means comprising a control station located at the first of said ground points, said control station comprising a local oscillator and means for radiating a first carrier wave modulated by the frequency of said local oscillator, means in said airplane for receiving and demodulating said first carrier wave and for modulating a second carrier wave with the signal resulting from demodulation of said first carrier wave, means in said airplane for radiating said modulated second carrier wave, means at said control station for receiving and demodulating said second carrier wave and for comparing the phase of the resulting signal with that of the local oscillator signal, means at the second of said ground points for receiving and demodulating said second carrier wave and for modulating a third carrier wave with the signal resulting from demodulation of said second carrier wave, means at said second ground point for radiating said modulated third carrier wave, means at the third ground point for receiving and demodulating said second carrier wave and for modulating a fourth carrier wave with the signal resulting from demodulation of said second carrier wave, means at said third ground point for radiating said modulated fourth carrier wave, means at said control station for receiving and demodulating said third carrier wave and for comparing the phase of the resulting signal with that of the local oscillator signal, and means at said control station for receiving and demodulating said fourth carrier wave and for comparing the phase of the resulting signal with that of the local oscillator signal.

2,470,788

SEVERABLE ELECTRICAL CONDUIT SECTION

Joseph F. O'Brien, Lebanon, and Earl S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application December 7, 1944, Serial No. 567,054

7 Claims. (Cl. 174—99)



1. A severable rectilinear section of a seriatim connected electrical conduit system, said system being formed of sections mechanically and electrically mutually connected by conforming male and female end formations, said severable section comprising sub-sections having conforming housings provided with "squared" ends arranged to be brought into mutual contiguous engagement at their "squared" ends, one of said sub-sections having a male end formation and another of said sub-sections having a female end formation; electrical conductors insulatedly and removably mounted within said housings, said electrical conductors individually extending integrally coextensively through said plurality of housings; and means for maintaining said housings in rectilinear extension and in contiguous engagement at their stated "squared" ends, whereby the "squared" end of one of said housings may be severed thereby reducing the length of such housing and whereby the ends of said electrical conductors may be severed adjacent the outer end of the severed housing to a common length corresponding to the reduction of length of such housing.

2,470,789

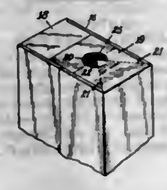
SIFTPROOF BAG

Frank D. Palmer, Chicago, Ill., assignor to Frank D. Palmer, Inc., a corporation of Illinois

Application November 26, 1945, Serial No. 630,771

2 Claims. (Cl. 229—17)

1. A package comprising inner and outer receptacles, the inner receptacle having a closure embodying an ear having separable plies of material respectively extending from a pair of walls of the receptacle and united around the free edges of the ear, the outer receptacle having a closure embodying a plurality of flaps successively folded over and adhesively secured to one another to form an end wall for the package, said ear of the inner receptacle being folded into position between the outermost and an inner end wall flap,



said ear having a portion projecting beyond an edge portion of said outermost flap so as to be accessible for direct manual gripping and unfolding to a projecting, spout-forming position, said ear being adapted to have an end portion thereof severed therefrom so as to permit separation of the plies of the ear to form a tubular dispensing spout communicating with the interior of the package.

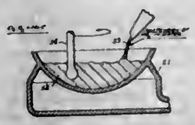
2,470,790

MANUFACTURE OF ALLOYS

Towson Price, Glen Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 24, 1945, Serial No. 590,046

2 Claims. (Cl. 75—176)



1. The method of manufacturing coherent chromium alloys of metals selected from the group consisting of molybdenum and tungsten, comprising making a mixture of a powdered oxide and a powdered carbide of the selected metal and a solution of a chromium compound in an amount sufficient to yield approximately 9% of chromium in the product and containing from about .01% to about 1% of at least one metal of series 4, group VIII, of the periodic table, in the form of a soluble salt, to facilitate combination of the chromium with the selected alloying metal, the proportions of the ingredients and the ratio between the carbide and the other ingredients being such that after the reaction product, carbon monoxide has been driven off during the operation of the method, the metal produced is substantially free from both carbon and oxygen, constantly stirring the mixture and heating to a temperature of about 100° C., thereby avoiding segregation of the liquid and obtaining a uniformly commingled dry mixture, loading said well-mixed mass in suitable receptacles, and heating said loaded receptacles slowly in an atmosphere of dry hydrogen to a temperature between about 800° and 1000° C., continuing said treatment for from one to two hours, and cooling the reduced material.

2,470,791

METHOD FOR IMPROVING THE PROPERTIES OF PRECIPITATION HARDENABLE CASTINGS

William A. Reich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application April 22, 1944, Serial No. 532,360

5 Claims. (Cl. 148—11.5)

1. The method for improving a precipitation hardenable alloy casting which comprises subjecting said casting in the ductile solution heat treated and quenched condition to a prestress slightly beyond its elastic limit whereby microstress concentrations in said casting are eliminated and thereafter aging said casting, said prestress simulating the stress encountered by said casting under service conditions.

2,470,792

NONCORROSIVE HYDRAULIC FLUIDS

Walter Schlesinger, Chicago, Ill., and Paul Becher, Brooklyn, N. Y.

No Drawing. Application August 27, 1947, Serial No. 770,960

2 Claims. (Cl. 252—78)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A composition of matter consisting of 95 per cent to 99.5 per cent of triethyl phosphate and 0.5 per cent to 5 per cent by weight of di-iso-butyl ketone.

2,470,793

AEROCHEMICAL DEVICE

Frank Short, Haddam Neck, Conn.

Original application February 3, 1944, Serial No. 520,966. Divided and this application January 6, 1948, Serial No. 662

2 Claims. (Cl. 89—1.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A liquid tight container adapted for releasing and disseminating a persistent vesicant liquid in the air stream of an air craft in flight, comprising a thin elongated sheet metal casing having an integral thin metal midsection provided with indented marginal portions and being susceptible to being ruptured and torn away from the container by a sudden torque force, adjacent integral tubular portions having substantially semi-spherical end portions, means for charging the casing with the liquid, a fastening on said midsection for attaching an arming cable through which the torque force is applied, and a suspension lug fixed to each of said tubular portions for attachment to a releasing shackle on said air craft.

2,470,794

IN-LINE FLUID PUMP

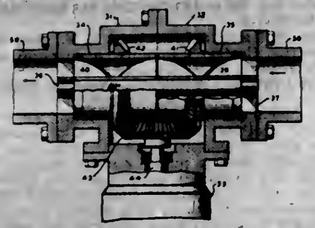
Robert E. Snyder, Los Angeles, Calif.

Application December 20, 1943, Serial No. 514,927

18 Claims. (Cl. 103—87)

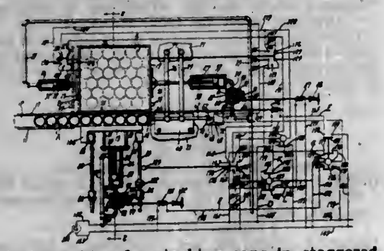
1. An in-line fluid pump comprised of two helical blade conveyors contained within a common housing and mounted on a common shaft in juxtaposition, with their blades in opposite pitch relation, means to rotate said conveyors slowly

with the normal fluid flow through said pump without interference when the pump is not



pumping, and a second means to rotate said conveyors rapidly to force fluid through said pump.

2,470,795
CAN STACKING MACHINE
John E. Socke, Pelham Manor, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 30, 1945, Serial No. 585,665
11 Claims. (Cl. 226—14)



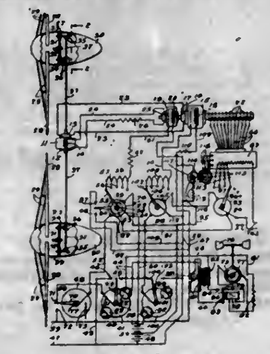
1. A machine for stacking cans in staggered rows, which comprises in combination, conveyor means for propelling cans to be stacked along a straight line path of travel, a tray having means for movably mounting the same adjacent one side of said path of travel for receiving said cans, a reciprocable pusher member disposed adjacent the opposite side of said path of travel for pushing a row of said cans transversely of said path of travel and into said tray, and means for shifting said tray in opposite directions relative to and longitudinally of said path of travel in time with the reception of each row of cans, the tray thereby receiving adjacent rows of cans in staggered relation.

2,470,796
APPARATUS FOR COATING PIPE
Russell C. Stromquist, Westfield, N. J., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application October 25, 1945, Serial No. 624,459
9 Claims. (Cl. 91—13)



1. Apparatus for coating a metal pipe with hot, liquid bitumen which comprises a heater for locally heating the skin of the pipe to a temperature at which the bitumen will adhere to the metal, a nozzle at one side of the heater for applying hot, liquid bitumen to the heated areas of the pipe, a support for the heater and nozzle at the other side of the heater, and means for moving the heater along the pipe with the bitumen-applying means immediately following.

2,470,797
AEROGENERATOR
Percy H. Thomas, Washington, D. C., assignor to the United States of America as represented by the Chairman of the Federal Power Commission
Application April 19, 1946, Serial No. 663,340
14 Claims. (Cl. 290—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A direct current generator driven by a fixed blade wind wheel and constructed with a maximum safe operating limit corresponding to a prescribed wind velocity and wheel speed, an alternating power system, means for passing energy between said generator and said power system; control means operating on said generator to continuously increase the generator output as long as the speed of said generator exceeds a critical speed at which the wind velocity bears a prescribed ratio to the wheel speed, and for reducing the said output as long as the generator speed is less than said critical value, additional means for deenergizing said control means when the generator output exceeds said prescribed maximum limit and means, brought into action by said additional means, operative as long as the generator output exceeds said maximum limit, to increase the generator field charge to the point where the output falls below said maximum limit.

2,470,798
INTERMITTENT FLUSH VALVE
William S. White, Denver, Colo.
Application April 3, 1943, Serial No. 481,666
1 Claim. (Cl. 137—145)

An intermittent flush valve comprising a casing having a portion of larger diameter and an inlet communicating therewith, and a portion of smaller diameter and an outlet communicating therewith; a double-headed primary piston having one head in said portion of larger diameter and dividing said portion into a receiving chamber communicating with said inlet and a pressure chamber on the opposite side of said head, and a second head in said portion of smaller diameter; a tube connecting said heads of larger and smaller diameter and provided with openings for admitting liquid from said receiving chamber to the interior thereof; a stem extending centrally from the head of larger diameter within said tube and provided with inwardly and outwardly extending flanges at the lower end thereof; a ball valve and seats provided with flow regulating notches disposed in a bore extending through said head of larger diameter and communicating with said stem; a tubular member having a head disposed within said stem and adapted to be lifted by said inwardly extending flange; a collar attached to said tubular member and adapted to be moved into sealing engagement with a seat therefor; a reciprocable cup having a predetermined limited motion and having a valve seat adjacent said outlet; a secondary piston extending into



sealing engagement with said cup at one end and at the other end into sealing engagement with the inner wall of said tube, and provided with a seat for said collar and means cooperating with said outwardly extending flange, whereby said primary piston is adapted to lift said secondary piston; a valve attached to the end of a tubular member extending from said secondary piston opposite said primary piston and adapted to cooperate with the valve seat on said cup, for controlling the flow of water to said outlet, said tubular member extending through said cup and being provided with an aperture adapted to permit a greater flow to said outlet from the interior of said secondary piston upon opening movement of said outlet valve, said tubular member also extending through a tubular portion of said cup and providing a clearance therewith to permit drainage of said cup upon opening of said outlet valve.

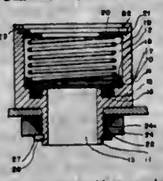
2,470,799
VENTILATOR
Butler Ames, Boston, Mass.
Application August 24, 1945, Serial No. 612,380
4 Claims. (Cl. 98—2)

1. An air conditioning ventilator designed to be attached to a wall element of a vehicle and to conduct air from the exterior to the interior of the vehicle so as to build up pressure within the vehicle and thereby prevent uncomfortable drafts from open windows, said ventilator comprising a scoop arranged at the outside of and closely adjacent to said wall element and facing in the direction of vehicle motion, said scoop defining a through passage within which a current of air is established which is substantially free from eddies and which acquires a substantial velocity in a rearward direction, a baffle extending up from the floor of said passage so as to block a part of the passage thereby to deflect a portion of the current of air passing through the passage laterally, a tubular conduit constituting a support for the air scoop, said conduit being designed to pass through an aperture in the wall element, means for rigidly clamping the conduit to the wall element, the conduit being situated



laterally of and tangential to said passage and having a peripheral inlet opening near its point of tangency through which the laterally deflected air may enter it from the scoop, a screen guarding said inlet opening, a rotatable tubular valve member coaxial with the conduit and having an opening which may be placed into or out of registry with the inlet opening, and means at the interior of the vehicle for turning said valve member.

2,470,800
CONNECTING DEVICE
Benjamin N. Ashton, Kingston, N. Y., assignor to Electrol Incorporated, Kingston, N. Y., a corporation of Delaware
Original application April 14, 1944, Serial No. 530,976. Divided and this application April 20, 1945, Serial No. 589,430
6 Claims. (Cl. 285—25)

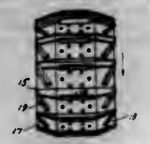


1. A device for connecting a tubular member in liquid-tight relationship to a wall of a receptacle, said member having a shoulder engageable with said wall and a reduced portion adapted to extend through an aperture in said wall, comprising a toroidal rubbery ring encircling a portion of said tubular member adjacent to said wall, and detachable resilient means for compressing said ring against said tubular member and said wall and retaining said shoulder in engagement with said wall.

2,470,801
TRACTOR TREAD
Ralph B. Boltman, Pittsburgh, Pa.
Application October 15, 1946, Serial No. 703,371
2 Claims. (Cl. 305—10)

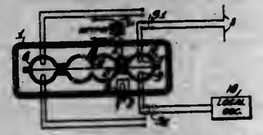
1. A tractor tread element adapted to be secured to a tractor linkage, comprising a flat portion, a straight gripping projection on the outer face of the flat portion and extending longitudinally of the latter, an outwardly and upwardly extending wing portion projecting from each end

of said flat portion and secured thereto, and a gripping projection on the outer face of each of said wing portions, the gripping projection on



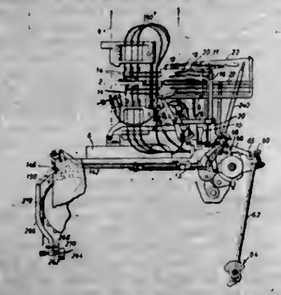
each of said wing portions being arranged so that it extends diagonally with respect to the projection on said flat portion.

2,470,802
MICROWAVE DEVICE
Rene A. Braden, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 10, 1943, Serial No. 498,127
10 Claims. (Cl. 315—6)



1. Multi-resonant microwave apparatus including two resonant devices each tuned to predetermined resonant frequencies, said resonant devices being mutually coupled together, means coupled to only one of said devices for establishing therein standing waves at two different frequencies, a predetermined one of said devices being adapted to have an electric field established in a predetermined direction therein, and means coupled to only said predetermined one of said devices defining an electron beam path extending through only said predetermined device in a direction parallel to the path of said electric field whereby said electron beam is moduated by both of said waves.

2,470,803
KNITTING MACHINE
Paul W. Bristow, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application March 26, 1947, Serial No. 737,193
26 Claims. (Cl. 66—131)

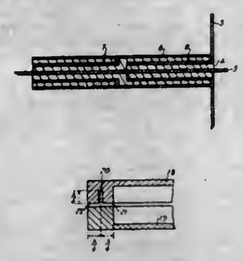


1. In a knitting machine of the superposed cylinder type, means for feeding main yarns to the needles, means for feeding a plating yarn to the needles, means for effecting changes of the main yarns fed to the needles, and means for inserting into action, for maintaining in action, and for removing from action said plating yarn independently of changes of the main yarns which are fed to the needles simultaneously with the plating yarn.

2,470,804
ENRICHMENT COMPOSITION
Thomas S. H. Clark, Rensselaer, N. Y., assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 16, 1947, Serial No. 748,649
6 Claims. (Cl. 167—72)

1. An enrichment tablet for the fortification of cereal doughs and batters which comprises ferrous sulphate as the major source of assimilable iron and an additional iron compound selected from the group consisting of sodium iron pyrophosphate and ferric orthophosphate.

2,470,805
MEANS FOR PREVENTING OR REDUCING THE ESCAPE OF HIGH-FREQUENCY ENERGY
John Collard, Hammersmith, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application August 31, 1943, Serial No. 500,651
In Great Britain September 12, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 12, 1961
6 Claims. (Cl. 178—44)



3. A conductive enclosure for high frequency energy, said enclosure having an aperture therein forming a leakage path for the escape of said energy, said leakage path having one portion communicating with the interior of said enclosure and having an electrical length substantially equal to an odd integral number including unity of quarter wavelengths at the frequency of said energy and another portion communicating with the exterior of said enclosure and having an electrical length substantially equal to an odd integral number including unity of quarter wavelengths at the frequency of said energy, said portions being resonant at the frequency of said energy tending to escape to provide a low impedance thereto, and at least one branch path connected in series with said leakage path at a point intermediate said portions, said branch path presenting a high impedance to said energy tending to escape over said leakage path.

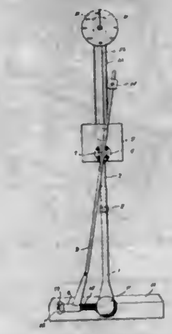
2,470,806
DEVICE FOR HEATING, COOLING, OR RADIATING LIQUIDS
Raul del Cueto, Papantla, Mexico
Application September 19, 1946, Serial No. 697,966
In Mexico September 25, 1945
2 Claims. (Cl. 219—43)



2. In combination with a circular base member formed of insulating material and having in its upper surface a recess of semi-toroidal form concentric with the base, a central upwardly projecting dome-shaped portion inside the recess and an upwardly projecting rim portion encircling the recess and higher than the dome, a drainage channel extending from the bottom of the recess to the exterior of the base, a container having a closed top provided with an opening therein, a closed bottom of semi-toroidal shape adapted to be received by and fit in the semi-toroidal recess of the base member, a central upwardly extending cavity of elongated tubular shape with a semi-spherical upper end, a closure for the opening in the top of the container and a source of radiant energy projecting upwardly from the dome of the base and having substantially the same configuration as the tubular cavity in the bottom of the container so as to be received in the cavity with substantially uniform small space between the radiant energy source and the wall of the cavity.

2,470,807
DISTANCE INDICATOR
Carl F. Davis, Jr., Knoxville, Tenn.
Application December 27, 1946, Serial No. 718,715
4 Claims. (Cl. 73—379)

1. A distance indicator of the character described comprising, a vertical standard, a vertical extension adjustably carried by said standard, a housing carried by said extension, a horizontal bearing carried by said housing, a shaft rotatably mounted in said bearing, an elongated arm secured vertically intermediate its length to the forward extension of said shaft, a counter-balanced weight adjustably secured to the upper end of said arm, a golf ball carried by the normally depending end of said arm, a pulley wheel rotatably carried by said housing, double reduction gearing means interconnecting the rearward extension of said shaft and said pulley, a horizontal pin rotatably supported at an extended distance above said housing, a dial indicator carried by said pin, a second pulley wheel carried on a rearward extension of said indicator dial pin above said first pulley, driving means interconnecting



said pulleys, and means adapting the said ball when struck to rotate said pin for the purpose described.

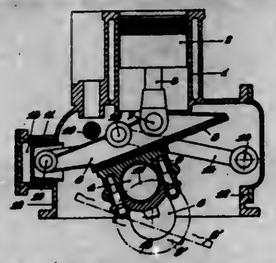
2,470,808
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 12, 1947, Serial No. 734,213
5 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent comprising a product consisting of an oxyalkylated, drastically oxidized, partially hydroxylated member of the class consisting of polyethylenic acids and their glycerides; said partial hydroxylation being by agency of hydrogen peroxide; said oxyalkylation being by agency of an alkylene oxide having not over 4 carbon atoms, and said drastic oxidation being by agency of a gaseous oxygen containing medium.

2,470,809
MEANS FOR OBVIATING CYLINDER WEAR IN ENGINES AND THE LIKE
Adriaan Theodorus Elants, Brussels, Belgium
Application July 10, 1947, Serial No. 760,036
In Belgium February 8, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires February 8, 1961
6 Claims. (Cl. 74—45)

1. Mechanism for the transmission of power from piston to crankshaft in an engine with plunger pistons, each displaceable in a cylinder, comprising an actuating member which is rotatably connected with a piston rod mounted fast in the piston and is also slidably connected with a block rotatably mounted on a crank-pin of said crankshaft, and means for guiding the said actuating member in a plane passing through the cylinder axis so that the said actuating member executes a composite motion which consists of a swinging motion in the direction of the motion of

the piston and a reciprocating motion transverse to the axis of the cylinder, in such a way as to



impart a rectilinear motion to the piston and piston rod.

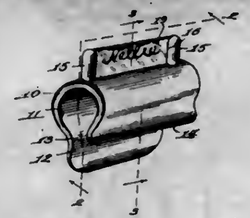
2,470,810
BELT-APPLYING TOOL
John R. Engard and Albert L. Engard, Hazleton, Pa.
Application February 17, 1946, Serial No. 8,764
2 Claims. (Cl. 74—242.7)



1. A belt-applying tool for applying a belt to a grooved pulley, including an elongated handle member having at one end a pulley-engaging member which is of substantially wedge-shaped form with the cross-section thereof increasing toward its outer end to present an inclined working surface upon the side thereof and at the outer end terminating in a knurled concave or grooved extremity, and a toe portion upon one side of the latter extremity projecting a sufficient distance beyond the other side thereof to increase the length of the inclined working surface over the length of the opposite side of said pulley-engaging member.

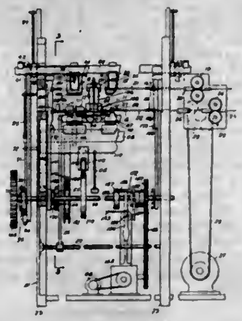
2,470,811
TOWEL CLIP
Elmer F. Engleman, Burbank, Calif.
Application July 3, 1946, Serial No. 681,387
1 Claim. (Cl. 24—81)

As a new article of manufacture, a one-piece identification card holding towel clip comprising an inverted U-shaped resilient member, the lower portions of the leg of which member are curved toward each other, with one leg longer than the other to facilitate application of the clip to provide a bearing and a supporting rail, posts projecting upwardly from the top of said member adjacent its ends, there being a card receiving groove formed in the top of said member between said posts, there being vertical card re-



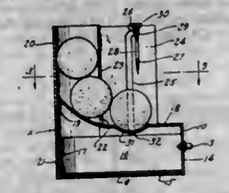
ceiving grooves formed in said posts and communicating with the ends of the groove in said member and card engaging and retaining studs in the bottoms of the grooves in said posts near their upper ends.

2,470,812
MACHINE FOR ASSEMBLING SPRINGS
Joseph Gauci and Daniel Krakauer, Brooklyn, N. Y., assignor to Kay Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York
Application May 28, 1946, Serial No. 672,754
19 Claims. (Cl. 140—3)



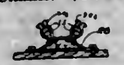
1. In a machine for assembling coil springs, a slotted guideway for the springs, means in the guideway for overlapping adjacent end coils of a pair of corresponding springs in adjacent rows of such springs, means reciprocating horizontally in the slot of the guideway for advancing the springs into a tying position wherein the rear part of one of the pair of springs and the front part of the other spring are in position to be tied together by a helical, vertically reciprocating means at the tying position for compressing the springs to move the upper and lower coils thereof to a predetermined level and for positioning the upper and lower coils in predetermined overlapping relation, a pair of vertically spaced apart collers at one side of the machine for forming and advancing helicals horizontally around said parts of the upper and lower coils of the springs at the tying position while the springs are at rest and compressed, and means for resisting the advance of the springs thereby to control the movement of said springs into the tying position.

2,470,813
SLICER FOR CITRUS FRUIT AND THE LIKE
Adolph O. Goldstein, Santa Cruz, Calif.
Application October 7, 1947, Serial No. 778,291
2 Claims. (Cl. 146—72)



2. A combined unitary citrus fruit slicer and storage receptacle, comprising a relatively narrow elongated box forming a base and including a generally horizontal top including a rear inclined portion, the top having a depression and a transverse slot extending across the depression, a removable tray slidably mounted within the box beneath the top thereof and constructed and arranged to catch juice drippings from the transverse slot, an upstanding storage hopper mounted upon the box at the rear end thereof and above the inclined portion and being of substantially the same width as the box and having a fruit discharge opening at its forward side and adjacent to the top of the box, upstanding spaced wide flat sides secured to the top of the box adjacent to its side edges and connected to the hopper, the upstanding sides and hopper forming with the top of the box a fruit slicing chamber having its forward side open, the upstanding sides having aligned vertical slots and short horizontal slots leading into the tops of the vertical slots, and a vertically moveable slicer blade disposed between the upstanding sides and including a cross-bar to engage in the vertical slots and short horizontal slots, the blade entering the transverse slot when in the lowered position for severing the fruit.

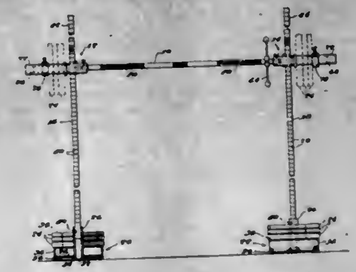
2,470,814
ELECTRICAL CABLE SUPPORT OR RACK
Max Hain, Pittsburgh, Pa.
Application March 4, 1948, Serial No. 13,027
2 Claims. (Cl. 248—49)



1. A cable hanger comprising a bracket member that is adapted to be connected at its base portion to a girder or wall, the body portion being provided with holes, supporting members each comprising a pair of bowed clamping elements adapted to receive an insulating bushing between their mid portions, the inner ends of each pair of said elements having shoulders formed thereon that extend through one of the holes and make interlocking engagement with the bracket member, and means for connecting together the outer ends of each pair of clamping elements, the bracket being of generally bowed form but having flattened areas through which the holes extend.

2,470,815
ATHLETIC APPARATUS
Roosevelt W. W. Harvey, Somerville, Mass.
Application March 10, 1948, Serial No. 14,102
6 Claims. (Cl. 272—84)

3. Athletic apparatus of the character described comprising a pair of spaced vertical rods having provision at their lower ends for removably supporting weight elements, a horizontal bar extending between said vertical rods, clamping means connected at each end of said bar for adjustably securing the bar to the rods, each of said clamping means comprising a connecting member arranged to slidably receive a vertical rod



therethrough and having an internally threaded portion arranged to receive one end of the bar, and a clamping piece carried by said connecting member and movable into clamping engagement with the rod upon rotation of the bar, said bar being oppositely threaded at each end whereby to effect simultaneous clamping of each end of the bar to its respective rod.

2,470,816
EXERCISING DEVICE
Roosevelt W. W. Harvey, Somerville, Mass.
Application March 10, 1948, Serial No. 14,103
2 Claims. (Cl. 272—84)

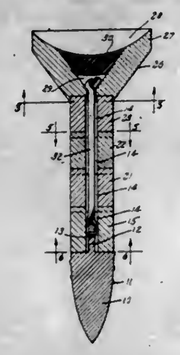


1. An exercising device of the character described comprising an elongated bar, a pair of spaced hand grips at one end of the bar comprising an endmost hand grip fixed to the bar and adapted for use as a fulcrum, and an intermediate hand grip by which the unit is lifted through an arcuate path, said intermediate hand grip being concentrically rotatably mounted on the bar, and a weight mounted upon the second end of the bar and capable of adjustment longitudinally thereof.

2,470,817
FLEXIBLE GOLF TEE
Homer D. Hendricks, Seattle, Wash.
Application April 29, 1947, Serial No. 744,699
5 Claims. (Cl. 273—33)

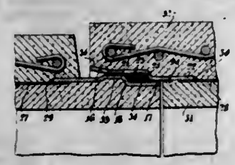
1. A golf tee comprising a stem comprising a plurality of sections arranged in end-to-end relationship and formed with axially-aligned bores, a head at one end of said stem, a point at the opposite end of said stem, and a flexible contractile member extending through the bores of the stem sections having one end secured to said point and having the other end carried by said head to thereby assemble said head, stem, and point in relatively flexible relation, said point having an external thread, and interlocking means cooperating between the ends of said stem and said head and said point and preventing relative axial

rotation of said head, stem, and point, whereby said point can be screwed into the ground by



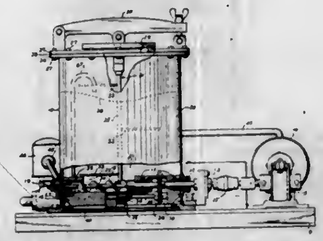
turning said head with said point in contact with the ground.

2,470,818
PIPE JOINT
Philip R. Hirsh, Montclair, N. J., assignor to Lock Joint Pipe Company, East Orange, N. J., a corporation of New Jersey
Application September 25, 1945, Serial No. 618,542
3 Claims. (Cl. 285—115)



3. In combination with a concrete pipe having steel reinforcement running longitudinally thereof, a spigot ring made from one piece of steel connected at its ends to close the ring, said spigot ring having an annular spigot portion, an annular bearing portion, an annular portion having connection with said bearing portion and connecting the spigot ring to the steel reinforcing of the pipe, and a sloped portion joining said spigot portion and said bearing portion whereby axial thrust may be applied to a gasket, each of said three annular portions having outer cylindrical surfaces of different diameters; a bell ring made from one piece of steel connected at its ends to close the ring, and having two annular portions of different diameters including an annular portion providing a cylindrical bearing surface having a diameter slightly greater than said cylindrical bearing surface on said spigot ring, and a second annular bell portion having a cylindrical surface dimensioned for disposition over the spigot portion of a complementary spigot ring, and a sloped portion joining said two annular portions of said bell ring, whereby axial thrust may be applied to a gasket confined between the sloped portions of said spigot and bell rings and between said spigot portion of said spigot ring and said bell portion of said bell ring.

2,470,819
APPARATUS FOR FEEDING POWDERED MATERIAL
Howard G. Hughey, Fanwood, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application December 20, 1946, Serial No. 717,554
5 Claims. (Cl. 302—53)

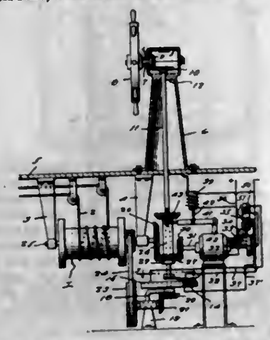


1. Apparatus for feeding powdered material into a gas stream comprising a hopper for the powdered material, means forming as aspiration chamber, means for feeding powdered material from the hopper to the ispiration chamber, a valve block, a gas inlet conduit leading to the aspiration chamber and including a passage extending through a portion of the valve block, a gas outlet conduit leading from the aspiration chamber and including a second passage extending through another portion of the valve block, the valve block having a by-pass connecting said first and second block passages, and a valve associated with the valve block having a valve element at the juncture of said first block passage and the by-pass adapted to regulate the amount of gas that flows through said first block passage to the aspiration chamber and the amount that flows through the by-pass to said second block passage.

2,470,820
ELECTRIC STEERING CONTROL
Harper H. Hull, Birmingham, Ala.
Application June 15, 1945, Serial No. 599,707
2 Claims. (Cl. 318—2).

2. In a steering gear for ships, comprising a rudder-operating drum having a rotatably mounted shaft fixed thereto, an electric motor having a rotatable armature shaft and three connections among which one serves for operation of said armature shaft in either direction and the other two for selective operation in either direction, an upright hollow support, a manually-operated tiller having a tiller shaft extending into the upper portion of the hollow support, a gear within the latter fixed on the inner end of the tiller shaft, an interior bearing within the hollow support, and a depending shaft extending rotatably through the interior bearing and carrying a gear upon the upper end thereof above said bearing which meshes with the first-mentioned gear, the features which include a drive gear on one end of the motor armature shaft, a relatively larger gear fixed on one end of the drum shaft, a slidable sleeve mounted for positive rotation upon the depending shaft and having an annular engagement portion thereon, a gear fixed upon the lower portion of the sleeve adapted in raised position of the latter to mesh with the drive gear and the relatively larger gear,

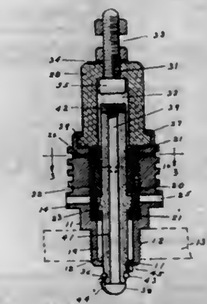
a further gear fixed upon the upper end of said sleeve and meshing with said larger gear alone in lowered position of said sleeve while the gear at the lower end of the latter idles, a movable sleeve-shifting member pivotally supported at one end below said hollow support and at the other end engaging with the annular engagement portion upon said sleeve for raising the latter when actuated, a solenoid fixed above the sleeve-shifting member having a plunger connected at the lower end thereof to an intermediate portion of said sleeve-shifting member to raise the latter when the solenoid is energized, a brake disc fixed on the other end of said armature shaft, a brake member pivotally mounted adjacent to the motor and biased into contact with said brake disc, a second solenoid stationary above the latter having a plunger connected to said brake member for raising the latter and freeing said brake disc when said second solenoid is energized, both solenoids being connected to the motor circuit, a contact arm fixed upon the lower



end of said depending shaft below said sleeve, a pulley on the drum shaft, a bearing stationary below the latter shaft and the drum, a horizontal shaft rotatably mounted in the latter bearing carrying a pulley on one end and a gear on the other end, a further bearing rigidly fixed in right-angled relation to said latter bearing and in line with and below said depending shaft, a further shaft rotatably mounted in said further bearing and carrying a gear upon the lower end meshing with the last-mentioned gear and a disk upon the upper end thereof, a belt connecting the two pulleys, and a pair of insulated commutating contacts fixed on the disc in position to be selectively brought under the contact arm and having insulated gaps between the ends thereof, said contact arm being connected to the first-mentioned connection of the motor and said pair of contacts being individually connected to said other two connections of said motor, and there being means for bringing electric current to said motor and solenoids.

2,470,821
SPARK PLUG
Walter E. Humrichouse and Davis B. Humrichouse, Baltimore, Md., assignors of twenty-two and one-half per cent to Walter H. Smith, Sr., and twenty-two and one-half per cent to George W. Abell, both of Baltimore, Md.
Application December 14, 1945, Serial No. 634,829
5 Claims. (Cl. 123—169)

5. A spark plug comprising a shell adapted for attachment to gas explosion equipment, said shell having a tapered orifice, a hollow spindle insulator disposed in said shell and having a portion tapered to fit tightly in said orifice when said portion is projected thereinto, an electrode disposed in said hollow portion of said spindle insulator and fitting closely therein, said electrode having a head thereon contacting closely against the projecting portion of the insulator so as to tightly close the hollow portion thereof, and including another portion with an attachment thereon for fastening the positioned electrode to the insulator, adjustable means for holding said insulator to the shell but spaced at various portions from the wall thereof to provide for air circulation on the internal surfaces of the shell of the insulator, a dome fastened to the shell having a chamber therein for said insulator and

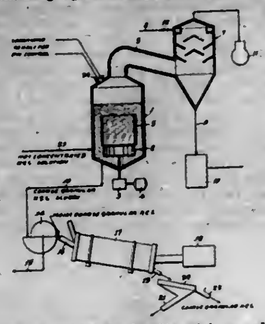


electrode to project into and be spaced from the walls thereof, another electrode mounted on the dome and projecting into the chamber thereof but spaced from the first mentioned electrode predeterminedly to provide an intensified electrical coupling therebetween, said head being so placed in regard to the shell as to provide for plural sparking in between same external to the shell and electrode when operated by electrical energy, conductor means mounted on the spindle insulator for providing an intervening conducting path between said head and shell and introducing a plural spark gap in between and across the insulator external to the shell, said shell having its wall perforated to connect the passages into chamber and dome for the ingress and egress of air therethrough.

2,470,822
PROCESS FOR MANUFACTURING COARSE GRANULAR POTASSIUM CHLORIDE
Arthur Kenneth Johnson, Hawthorne, and Henry B. Suhr, Trona, Calif., assignors to American Potash & Chemical Corporation, Trona, Calif., a corporation of Delaware
Application August 16, 1947, Serial No. 769,074
11 Claims. (Cl. 23—300)

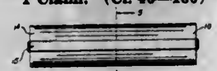
1. A process for production of coarse granular potassium chloride, which process consists of crystallizing the potassium chloride from a hot saturated solution of same through cooling, which solution is maintained at a pH of above 8.5 throughout the crystallization operation, a nuclei formation retarding agent being added to the

solution before crystallization, said nuclei formation retarding agent being selected from the class



consisting of oxides and salts of iron, aluminum, thorium, zinc, bismuth and lead.

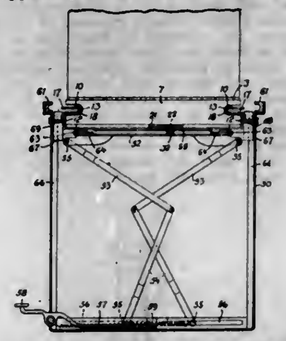
2,470,823
DEER CALL
Henry F. Luch, Portland, Oreg.
Application May 6, 1947, Serial No. 746,393
1 Claim. (Cl. 46—180)



In a deer call comprising two substantially coextensive elongated members spaced apart and one of said elongated members having an endless resilient elastic reed encircling the same with a length of the reed disposed in the space between both elongated members, the features which include having the inner facing sides of both elongated members flat and substantially parallel and each member externally arcuately convex in form transversely of the longitudinal dimension thereof, means integrally securing said two elongated members together at one end only thereof between the facing sides along one longitudinal side edge thereof in such fashion as to close the space between said members at said end while the correspondingly-opposite longitudinal side edges and opposite end remain open, and having the endless resilient elastic reed longitudinally disposed with respect to the one elongated member upon which it is mounted and extending longitudinally through the space between said two members from one end to the other thereof intermediate the facing flat sides of said two members.

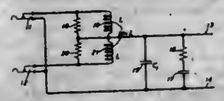
2,470,824
CARD INDEX FILE
Axel Georg Lundqvist, Lulea, and Nils Hjalmar Lundqvist, Kiruna, Sweden, assignors to Karl Olov Alenius, Lulea, Sweden
Application October 2, 1946, Serial No. 700,806
In Sweden October 6, 1945
2 Claims. (Cl. 45—2)

1. In combination with an index card file arranged to constitute a vertical index file and a horizontal index file for the cards, a frame support provided with spaced longitudinally extending fixed guide members and with spaced longitudinal rails, a box associated with the frame support, vertically movable magazines mounted in said box, a support connected to each magazine, pivoted link means connected to said magazine support and to the box, each of the magazines having a separable interfitting front and rear section, index cards arranged in vertical packs in each of said magazines, individual card holders connected to the lower ends of the cards, guide means in each of said magazines for the holders, means when each magazine is moved to its raised position for connecting the rails on the supporting frame to guides on the sides of



said box, means for releasably maintaining the sections of the magazines in their closed positions, and means for releasing the front section of each of the magazines from its rear section so that when a magazine is moved to its raised position, the front section thereof may be moved longitudinally to withdraw the cards from the magazine with the card holders sliding on said fixed guide members in order that the cards may assume a substantially horizontal position above the box.

2,470,825
ELECTRICAL CONTACT PROTECTION NETWORK
Robert C. Mathes, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 10, 1945, Serial No. 587,462
2 Claims. (Cl. 175—294)



2. The combination of a pair of circuit makers and breakers connected in parallel and arranged to operate simultaneously, of a constant resistance protecting network in series with each consisting of an inductance shunted by a resistance, said inductances being mutually coupled and a condenser bridged about said combination.

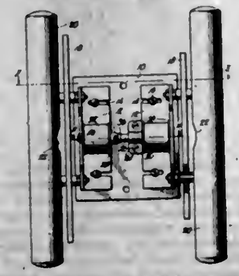
2,470,826
FIXED CAPACITOR
William McMahon, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 6, 1947, Serial No. 784,326
5 Claims. (Cl. 175—41)

1. A fixed capacity electrical capacitor comprising a rolled dielectric sheet having a metallized coating on each face thereof, and terminals in electrical contact with each coating, said sheet



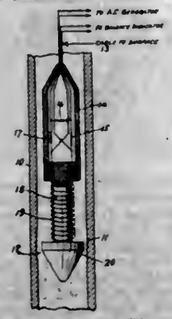
being folded once along its center line after metallization and before rolling.

2,470,827
ELECTRIC STRIKER SYSTEM FOR CHIMES
Milo F. Miller, Kansas City, Mo.
Application June 3, 1946, Serial No. 673,973
7 Claims. (Cl. 177—7)



1. In a striker system for chimes comprising a base; a resonant tube and chime bar assembly carried by the base; a pair of coils on the base to one side of the chime bar; and a striker plunger extending into and under the influence of the coils, one of the coils serving, upon energization thereof, to set the plunger in a predetermined position prior to its movement against the chime bar.

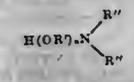
2,470,828
TUBE TESTING APPARATUS
John W. Millington and William H. Stewart, Beaumont, Tex., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application January 10, 1946, Serial No. 640,343
1 Claim. (Cl. 175—183)



A device adapted to be used in magnetically exploring well tubing which comprises a Wheatstone bridge, a housing for receiving three resistance coils of said bridge, a magnetic core having an upper pole and a lower pole, said magnetic core having its upper pole removably secured to the lower end of said housing, an exploring coil surrounding said magnetic core and having its free ends extending through apertures in said upper pole of the magnetic core and connected in circuit with the resistance coils of said bridge which are positioned within the housing, said lower pole of the magnetic core being adapted to transmit changes in magnetic permeability of the tubing as it encounters corroded areas during the passage of the device through the tubing.

2,470,829
PROCESSES FOR BREAKING OIL-IN-WATER EMULSIONS
Louis T. Monson, Alhambra, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application August 2, 1946, Serial No. 687,959
29 Claims. (Cl. 252—341)

14. A process for breaking emulsions composed of oil dispersed in a non-oily continuous phase, in which the dispersed phase is not greater than 20%, characterized by subjecting the emulsion to the action of a reagent comprising an acylated derivative of a basic aminoalcohol of the formula:

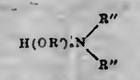


said acylated derivative thereof being such that there is at least one occurrence of the radical RCO, which is the acyl radical of a monocarboxy detergent-forming acid having at least 6 and not more than 32 carbon atoms; the amino nitrogen atom is basic; R'' is a member of the class consisting of alkanol radicals, aminoalkanol radicals, and polyaminoalkanol radicals, in which polyaminoalkanol radicals the amino nitrogen atoms are united by divalent radicals selected from the class consisting of alkylene radicals, alkyleneoxyalkylene radicals, hydroxyalkylene radicals, and hydroxyalkyleneoxyalkylene radicals, and all remaining amino nitrogen valences are satisfied by hydroxyalkyl radicals, including those in which the carbon atom chain is interrupted at least once by an oxygen atom; R' is an alkylene radical having at least 2 and not more than 10 carbon atoms; n is a small whole number varying from 1 to 10; RCO is a substituent for a hydroxyl hydrogen atom; and the molecular weight of said compound in monomeric form is at least 213 and not over 4,000; said amino compound being selected from the class consisting of the anhydro base, the hydrated base, and salts.

2,470,830
PROCESS OF REMOVING MUD SHEATHS FROM OIL WELLS
Louis T. Monson, Los Angeles County, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 2, 1947, Serial No. 719,925
19 Claims. (Cl. 252—8.55)

1. A process for the removal of mud sheaths from geological formations penetrated in the drilling of wells, characterized by the application thereto of a reagent comprising a mixture of (a)

an acylated derivative of a basic aminoalcohol of the formula:



said derivative being such that there is at least one occurrence of the radical RCO, which is the acyl radical of a monocarboxy detergent-forming acid having at least 8 and not more than 32 carbon atoms; the amino nitrogen atom is basic; R'' is a member of the class consisting of alkanol radicals, aminoalkanol radicals, and polyaminoalkanol radicals, in which polyaminoalkanol radicals the amino nitrogen atoms are united by divalent radicals selected from the class consisting of alkylene radicals, alkyleneoxyalkylene radicals, hydroxyalkylene radicals, and hydroxyalkyleneoxyalkylene radicals, and all remaining amino nitrogen valences are satisfied by hydroxyalkyl radicals, including those in which the carbon atom chain is interrupted at least once by an oxygen atom; R' is an alkylene radical having at least 2 and not more than 10 carbon atoms; and n is a small whole number varying from 1 to 10; RCO being a substituent for a hydroxyl hydrogen atom; and the molecular weight of said compound being at least 273 and not over 4,000; said amino compound being selected from the class consisting of the anhydro base, the hydrated base, and salts; and (b) a water-insoluble oil solvent; the proportions of (c) and (b) lying between 1 to 9 and 9 to 1.

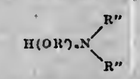
2,470,831

PROCESS FOR PREVENTING AND/OR REMOVING ACCUMULATIONS OF SOLID MATTER FROM OIL WELLS, FLOW LINES, AND PIPE LINES

Louis T. Monson, Los Angeles County, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application January 2, 1947, Serial No. 719,926
18 Claims. (Cl. 252—8.55)

1. A process for removing deposits of organic matter from oil wells, flow lines, and pipe lines, which consists in the application thereto of a reagent comprising a mixture of (a) an acylated derivative of a basic aminoalcohol of the formula:



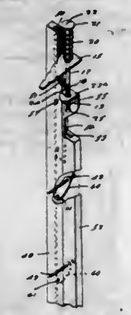
said derivative being such that there is at least one occurrence of the radical RCO, which is the acyl radical of a monocarboxy detergent-forming acid having at least 8 and not more than 32 carbon atoms; the amino nitrogen atom is basic; R'' is a member of the class consisting of alkanol radicals, aminoalkanol radicals, and polyaminoalkanol radicals, in which polyaminoalkanol radicals the amino nitrogen atoms are united by divalent radicals selected from the class consisting of alkylene radicals, alkyleneoxyalkylene radicals, hydroxyalkylene radicals, and hydroxyalkyleneoxyalkylene radicals, and all remaining amino nitrogen valences are satisfied by hydroxyalkyl radicals, including those in which the carbon atom chain is interrupted at least once by an oxygen atom; R' is an alkylene radical having at least 2 and not more than 10 carbon atoms; and n is a small whole number varying from 1 to 10; RCO being a substituent for a hydroxyl hydrogen atom; and the molecular weight of said compound being at least 273 and not over 4,000; said amino compound being selected from the class consisting of the anhydro base, the hydrated base, and salts; and (b) a water-insoluble oil solvent; the proportions of (a) and (b) lying between 1 to 9 and 9 to 1.

2,470,832

SASH HOLDING DEVICE

Ernest E. Montgomery, Gering, Nebr.

Application December 16, 1947, Serial No. 791,969
2 Claims. (Cl. 292—71)



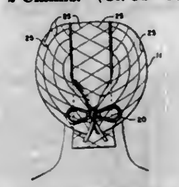
1. In a window sash having a groove in a side stile thereof, a sash adjuster comprising a bar running the length of the stile, means supporting the bar for limited sidewise movement on the stile and spaced expander links having pivotal connections with the bar and with a fixed portion of the stile, said links being inclined at an angle to the horizontal, said supporting means including an anchor plate driven through the groove and into the side stile and provided with a passage, a bolt slidable in the passage and having a head at one end, a coil spring on the bolt between the head and the anchor plate, said bolt having threaded connections with the bar so that when the bolt is turned the bar will be raised or lowered causing the links to move the bar sidewise towards or away from a blind stop of a window casing.

2,470,833

HAIR DRIER

Spencer O. Moore, Burbank, Calif.

Application January 5, 1948, Serial No. 580
2 Claims. (Cl. 34—95)



1. A hair dryer comprising a hood-like member having a centrally disposed double wall strip arranged to extend from the forehead of the wearer to the back of her neck and a pair of double wall side flap members each joined to said rectangular strip, the double walls of said flap members and said rectangular strip each being stitched to form a plurality of closed chambers therebetween, moisture absorbing material disposed within each one of said chambers, fastening

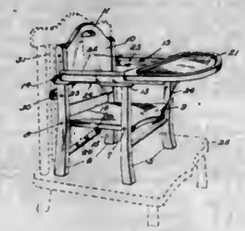
means disposed on each one of the flap members at the back thereof for joining such flap members together to at least partially overlap the central double wall strip.

2,470,834

INFANT'S CHAIR

Leslie C. Peltier, Delphos, Ohio, assignor to The Delphos Bending Company, Delphos, Ohio, a corporation of Ohio

Application January 29, 1945, Serial No. 575,013
4 Claims. (Cl. 155—127)



1. A high-chair forming auxiliary for chairs, comprising a chair structure embodying a pair of front legs, a pair of back legs, a seat connected adjacent to its front and rear edges with said front legs, a pair of arms disposed above said seat in parallel relation thereto, said arms having the under sides thereof longitudinally recessed, means uniting the front and rear ends of said arms with said legs, a tray having a pair of spaced rearwardly-projecting extensions slidably positioned on said arms, turnable elements carried by said extensions engageable with the recesses of said arms to limit inward and outward sliding movement of said tray on said arms in a substantially horizontal plane, said elements being movable to positions providing for the separation of said tray from said arms, and detachable means for retaining said tray against sliding movement on said arms when the tray occupies its innermost position thereon.

2,470,835

YARN PACKAGE SUPPORT

Fred W. Paffen, Great Neck, and Harry L. Cornelius, Kew Gardens, N. Y., assignors to Celanese Corporation of America, a corporation of Delaware

Application April 5, 1945, Serial No. 586,804
21 Claims. (Cl. 242—118)



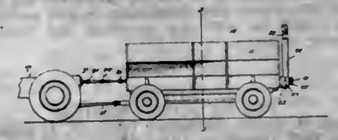
1. A yarn package support having a barrel and a base flange attached thereto, said base flange comprising a disk having a peripheral groove in the circumference thereof and a recess extending inwardly of said disk from said peripheral groove, and an insert, having on the plane surface thereof a groove extending into said peripheral groove, mounted in said recess.

2,470,836

LOAD DISCHARGING APPARATUS FOR FARM WAGONS

Roy A. Piper, Princeton, Ill.

Application July 16, 1946, Serial No. 683,881
3 Claims. (Cl. 214—83.32)



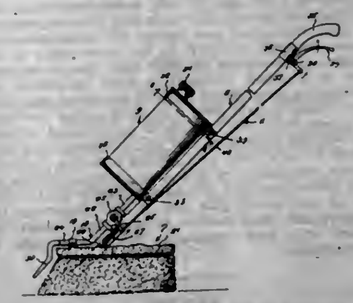
1. The combination with a farm wagon body including a fixed flat bottom, a trough extending longitudinally of said body and supported on said bottom, a baffle plate arranged in superimposed spaced relation with respect to said trough and resting upon the walls of the latter to thereby form a hollow body, a rotatable spiraled conveyor extending through said hollow body having one end projecting beyond the front end of said wagon body for attachment to the power take-off of a tractor, the other end of said conveyor projecting from the rear end of said wagon body and terminating at a point contiguous to said rear end, a housing surrounding the end of said conveyor projecting from the rear end of the wagon body and mounted for rotation about the axis of said conveyor, a laterally-extending tube communicating with said housing and secured to the latter, a second rotatable spiraled conveyor in said tube having one end overlapping said first-named conveyor, and means operatively connecting the overlapping end of the second spiraled conveyor to the adjacent end of the first-named conveyor.

2,470,837

FLOOR WAXING DEVICE

Kenneth M. Polson, Williams, Ariz.

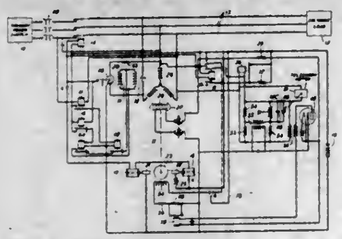
Application April 30, 1946, Serial No. 666,136
1 Claim. (Cl. 91—25)



A device of the kind described, comprising a spreader head formed from a block of material having a removable cover, a rigid handle bar fitted to the block for disposition at a forward inclination thereto and having an outer curved horn-like grip, a pair of spaced loop-like bands secured to the bar to extend outwardly and upwardly from its axis, a reservoir held by the bands, a single discharge tube leading from the reservoir in bridging relation to the block and having plural outlet nozzles dipped forwardly of the latter at determined points thereto for dispensing fluid in

advance of said block onto a foundation, a plug valve fitting the tube aft of the nozzles and having a turning crank extended beneath the bar, a throw lever pivotally attached to the bar next to its grip and beneath the latter, an operating link wholly outside of the bar pivoted to the lever and the crank, and tensioning means active on the crank to normally maintain the valve in closing position.

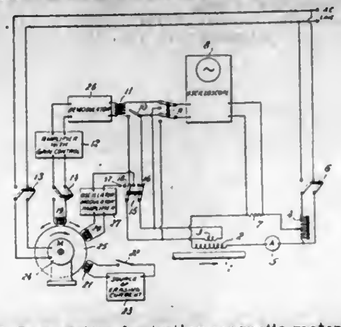
2,470,838
POWER SUPPLY SYSTEM
Hugh M. Stoller, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 19, 1946, Serial No. 663,361
5 Claims. (Cl. 171—97)



5. In a system for supplying uninterrupted alternating current power to an alternating current load comprising an alternating current power line, switch means normally connecting said power line to said load, an alternating current generator connected to said load on the load side of said switch means so as to operate as a motor on power from said line and adapted to experience a power reversal therein upon the occurrence of an abnormal condition on said line and the consequent release of said switch means, a normally open-circuited direct current motor coupled to said generator, a storage battery, means including the mechanical energy stored in the rotating masses of said generator and motor for sustaining the power reversal incident to the occurrence of an abnormal condition on said line, means responsive to a power reversal in said generator for connecting said direct current motor to said battery whereby said direct current motor operates on power from said battery to drive said alternating current generator and said generator supplies power to said load, and means effective incident to the correction of the abnormal condition on said power line and responsive jointly to the output of said power line and of said generator for reoperating said switch means only when the power line and generator frequencies are in synchronism.

2,470,839
MAGNETIC TESTING WITH ARTIFICIAL STANDARD
Theodore Zuschlag, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York
Application February 5, 1946, Serial No. 645,651
10 Claims. (Cl. 175—183)

2. The method of testing elongated magnetic material which comprises the steps of recording on a record medium a representation of the magnetic characteristics of a standard specimen of material to be tested, electrically reproducing the recorded representation in the form of first electric fluctuations, generating second electric fluctuations representative of the magnetic characteristics of successive portions of the material under test, successively repeating the electrical reproduction of the record at such rate that said first and second fluctuations are in substantial synchronism, combining said fluctuations, and actuating an indicating device with the resultant of said combined fluctuations.



7. In a system for testing magnetic materials, an energizing coil connected to be energized from an alternating current source, a pickup coil positioned symmetrically with respect to said energizing coil, means for placing a specimen of said material within the fields of both coils, a recording device including recording and reproducing means, means for connecting said pickup coil to said recording means, an indicating device, means for connecting said reproducing means to said indicating device, and means for connecting said pickup coil to said indicating device such that fluctuations from said reproducing device and said pickup coil are impressed on said indicating device simultaneously.

2,470,840
SHOE HEEL PLATE AND SKATE FASTENING MEANS
Thomas Anz, Tampa, Fla.
Application October 8, 1945, Serial No. 621,015
5 Claims. (Cl. 280—11.30)

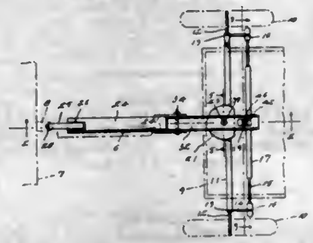


5. A shoe heel having a plate secured to the bottom thereof, the plate being formed with an opening therethrough, a latch carried by the plate and movable across a portion of the opening and a closure member movable from the heel outwardly into the opening and provided with a notch to receive the latch.

2,470,841
METHOD FOR THE SEPARATION OF HYDROXY ORGANIC ACIDS
William E. Barch, Bronx, N. Y., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application June 5, 1946, Serial No. 674,665
13 Claims. (Cl. 260—536)

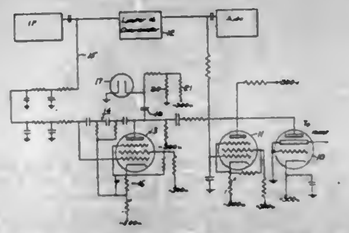
1. A method for the separation of hydroxy organic acids which comprises quantitatively separating such acids by dissolving a mixture of salts of hydroxy organic acids in a concentrated solution of a highly soluble salt of a metal forming a highly soluble chloride and an insoluble salt of the organic acid to form a metal salt of such organic acid which is soluble in a concentrated solution but insoluble in a dilute solution of said highly soluble metal salt, diluting the solution so produced with ensuing precipitation of said metal salt, removing precipitated salt, converting the unprecipitated organic acids into insoluble basic salts by reaction with an alkaline hydroxide, removing basic salts so produced, and converting them into the corresponding acids through treatment with an inorganic acid.

2,470,842
TRAILER HITCH
Robert W. Barrington, Throckmorton, Tex.
Application December 6, 1946, Serial No. 714,528
1 Claim. (Cl. 280—33.55)



In a trailer hitch, in combination with a draft vehicle having a rearwardly projecting coupling link and a trailer vehicle having front steering wheels connected by a tie rod, an elongated tongue, a coupling pin connecting said tongue at its forward end to the coupling link of the draft vehicle for swinging movement of said tongue in substantially a horizontal plane relatively to the draft vehicle, a pin secured to the trailer vehicle and disposed substantially perpendicularly thereof and to which said tongue is pivotally connected adjacent its rear end, and means for pivotally connecting said tongue to the tie rod rearwardly of said pin, said last mentioned pivotal means and said pin providing pivots for permitting the swinging movement of said tongue in substantially a horizontal plane and whereby the tie rod will be moved laterally of the trailer vehicle, when the tongue is pivoted on said pin, for causing the steering wheels of the trailer vehicle to be turned in the same direction that the forward end of the tongue is moved, said trailer hitch being provided with adjustable wear compensating means associated with the journal of said pin and of said pivotal means to prevent reciprocating movement of the hitch relatively to the trailer vehicle, said wear compensating means including an upstanding sleeve fixed to the tongue and in which the pin is loosely disposed, an externally tapered bushing extending into the upper end of the sleeve and in which the pin is journaled, and adjustable means for urging the bushing downwardly into the sleeve.

2,470,843
STOP-ON CARRIER TUNER
Wilson P. Boothroyd and William H. Forster, Philadelphia, Pa., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application October 4, 1944, Serial No. 557,201
1 Claim. (Cl. 250—20)



In a superheterodyne receiver adapted to receive signals within a band of frequencies and having a local oscillator for supplying heterodyne frequencies, means for automatically sweeping the tuning of the receiver over the frequency band comprising, in combination, an electron tube oscillator, means to apply a voltage to the control grid of said oscillator to cause said tube to oscillate, said voltage being derived from the receiving circuit and being proportional to the normal noise level therein, means to apply the output of said oscillator to the control circuit of the heterodyne oscillator to thereby cause the receiver tuning to sweep over the frequency band and means operable upon the reception of a signal within the band to increase the voltage applied to the control grid of said sweep oscillator and thereby cause said oscillator to cease to operate.

2,470,844
COMBINED PHOTOGRAPHIC COPYING STAND AND APPARATUS
Philip J. Brownscombe, Chatham, N. J., assignor to Griscombe Corporation, Newark, N. J., a corporation
Application October 21, 1946, Serial No. 704,777
9 Claims. (Cl. 88—24)



1. Photocopy apparatus comprising, an upright frame having a bottom and a transparent top, a camera, a hanger pivotally mounted with one end in said frame adjacent the top thereof

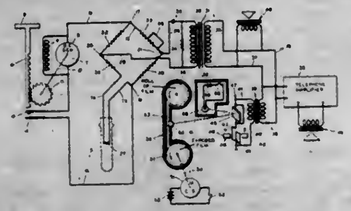
and carrying said camera at the other end, said hanger being so swingable in a substantially vertical plane into and from said frame that said camera is focussed on said top and is adjacent said bottom when swung into a certain position in said frame, and means in said frame releasably arresting said camera in said certain position.

2,470,845
DYNAMOELECTRIC MACHINE
Pierre I. Chandeysson, St. Louis, Mo.
Application May 3, 1944, Serial No. 533,839
7 Claims. (Cl. 171—324)



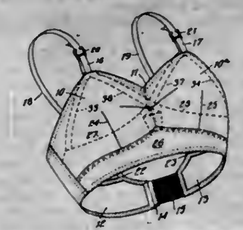
1. In a dynamo-electric machine, a ring structure comprising a pair of integrally and electrically connected laterally spaced conducting rings lying in parallel planes, and brush holder supports integrally and electrically connected to both rings and bridging the same.

2,470,846
SEISMOGRAPH BLASTER TIME BREAKER CIRCUIT
Deslonde R. de Boisblanc and John E. Bondurant, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application November 13, 1945, Serial No. 628,310
1 Claim. (Cl. 346—33)



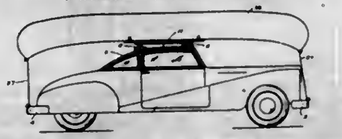
In apparatus for geophysical exploration, a circuit for recording the time break which comprises, in combination, a Wheatstone bridge circuit of the resistance type, one arm of said bridge including the heating element of an electrical blasting cap, and a resistor in series with said blasting cap, the ohmic value of said resistor being greater than the ohmic value of said blasting cap, a transformer having its primary winding connected across two opposite corners of the bridge, a generator connected across the other opposite corners of the bridge, means for actuating said generator to pass an electric current through said blasting cap for initiating an explosion in an attached charge which causes disintegration of said heating element, thereby opening said one arm of the bridge circuit, and a differentiating circuit for receiving and sharpening the pulse produced by the opening of said arm of the bridge circuit, said transformer transmitting the sharpened pulse to a recording mechanism to record the pulse.

2,470,847
BRASSIÈRE AND SIMILAR GARMENT
Edwin W. Gluckin, Brooklyn, N. Y.
Application February 22, 1945, Serial No. 579,188
2 Claims. (Cl. 2—42)



1. A garment of the class described comprising breast supporting pockets, means for supporting the pockets upon the body of a wearer, a hammock-type support arranged at the lower portion of each pocket, means at the outer end portion only of each support maintaining predetermined fixed position of the support on the pocket, the remainder of each support being free, a curved strap structure at the upper portion of each pocket, said strap structure being coupled with the outer end portion of one support and the inner end portion of an opposed support and freely movable in the pockets, a member coupling adjacent inner end portions of said supports, and short strap loops coupling upper portions of said strap structures and pockets for hanging the supports in connection with the pockets.

2,470,848
BOAT CARRIER FOR AUTOMOBILES
George C. Guest, Winnipeg, Manitoba, Canada
Application August 1, 1947, Serial No. 765,293
3 Claims. (Cl. 224—42.1)



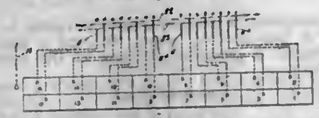
1. A boat carrier for an automobile, comprising: an open base frame having a cross member fastened thereunder at each end; the ends of said cross members provided with downwardly projecting rubber suction cups for attachment to the roof of an automobile; a central cross bar on said base frame having a central hole therethrough; a secondary open frame supported above and by said base frame; said secondary frame having a central cross bar with a central downwardly projecting pin thereon; said pin receivable in said central hole; and means on said secondary frame for restrainingly aligning a boat thereon.

2,470,849
RECOVERY OF BY-PRODUCT ACIDS
William E. Hanson, Gibsonia, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application December 19, 1946, Serial No. 717,243
10 Claims. (Cl. 260—537)

1. The process of obtaining useful products from the non-volatile by-product acid mixture

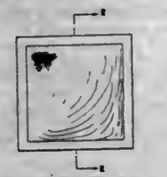
obtained in the manufacture of sabacic acid by treatment of a member of the group consisting of castor oil and esters and salts of ricinoleic acid with an alkali, said process comprising contacting said acid mixture under extraction and hydrolyzing conditions with an aqueous mixture of a water-soluble lower aliphatic alcohol, separating an extract phase containing chemically modified components of said acid mixture and having substantially lighter color than said acid mixture, and thereafter removing the aqueous alcohol mixture from said extract phase to recover said lighter-colored chemically modified components.

2,470,850
WATER LEVEL INDICATOR FOR FLOATING DRY DOCKS
Frederic R. Harris, New York, N. Y.
Application November 21, 1945, Serial No. 630,006
11 Claims. (Cl. 114—45)



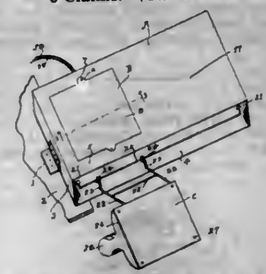
1. Indicator apparatus for a floating dry dock having a hull with interior compartments along both sides, each compartment on one side being opposed to a compartment on the other; a row of tubes each containing a liquid, a support for holding said tubes relatively close together in one field of view; said tubes being mounted side by side in pairs, and connections for transmitting pressure to the liquid in each tube, said connections extending singly and separately from one tube of each pair to the compartments in succession at one side of the dock and from the other tube of each pair in the like order and succession to the compartments along the other side of the dock.

2,470,851
SOAP POWDER PACKET
William A. Hermanson, Brookline, Mass.
Application October 25, 1945, Serial No. 624,412
1 Claim. (Cl. 252—93)



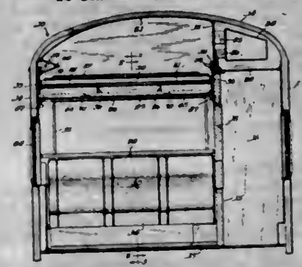
A soap packet consisting of webs of thin, porous, absorbent paper, forming opposing walls of the packet, said webs having on their inner faces each a second web, consisting of synthetic thermoplastic fibers pressed to the first webs, forming each a composite duplex web, with large asymmetrical interfiber interstices said duplex webs being heat sealed in face to face relation only around their peripheral surface edge, said paper webs adapted to shrivel into a small ball when wet and rubbed in the hands, said paper web having a wet strength treatment and provided with large asymmetrical interfiber interstices through which water may readily infuse, a quantity of soap particles retained within said packet occupying substantially not more than 60% of the normal volume of the packet, said particles being generally asymmetrical in shape and of a size generally substantially larger than the size of said interfiber interstices.

2,470,852
SEALER
Frank N. Irwin, Jr., South Miami, Fla.
Application August 13, 1945, Serial No. 610,542
3 Claims. (Cl. 219—19)



1. In a device for sealing bags, wrappers or the like by the application of heat and pressure to their open portions, a block having on its upper face a heated plate portion and an unheated portion adjacent thereto, a presser, a rod secured to a side wall of the block and extending along the heated and unheated portions of the block, arms pivotally securing the presser to the rod whereby said presser can be swung from a position at one side of and beyond said block into a position to engage the upper face thereof, said arms engaging the side wall of the block and limiting the movement of the presser in its rotary travel away from the upper face of the block and said block pivotal securing arms having sliding engagement with the rod whereby the presser can be moved longitudinally of the block while the presser is in either of the defined positions.

2,470,853
BERTH ARRANGEMENT
Basil E. Jones, Flossmoor, Ill., assignor to The Pullman Company, Chicago, Ill., a corporation of Illinois
Application October 15, 1945, Serial No. 622,335
16 Claims. (Cl. 105—317)



1. In a passenger vehicle having a lower berth, an intermediate berth and an upper berth all disposed in parallel overlying relationship, said lower berth being convertible into a seat having a seat

portion and a backrest and said intermediate berth being foldable to an inoperative position providing headroom above said seat, means for closing the space between the various berths at respectively opposite ends comprising end closure members foldable into the intermediate berth in the inoperative position thereof and movable to vertical positions extending respectively between the intermediate berth and the upper berth and between the intermediate berth and the lower berth when all of the berths are disposed in operative positions, means releasably securing the end closure members in vertical position, and means maintaining said members in folded position in the inoperative position of the intermediate berth.

2,470,854
HEATING TOOL
Michael L. Kovac, Garfield, N. J.
Application August 10, 1946, Serial No. 689,650
4 Claims. (Cl. 219—21)



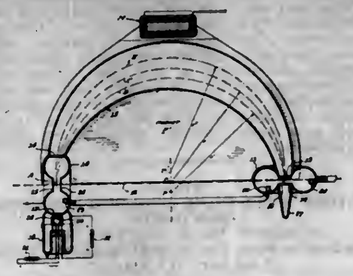
1. A heating tool of the class described comprising a pair of separable jaws having portions disposed relative to each other whereby to substantially surround sections of a pipe coupling, each of said jaws having a concave recess for the reception of its respective coupling section, a plurality of electric heating elements in each of said jaws, a shield covering the heating elements in each of said jaws and conforming to the contour of said recesses, a unitary handle of spring material having a pair of arms connected to said jaws normally retaining the jaws in operative position on a coupling, and a common connection for removably securing the heating elements in said recesses and for providing a pivotal mounting for said arms.

2,470,855
ROSIN MALEIC GLYCERINE ESTERS
William Krumbhaar, New York, N. Y.
No Drawing. Application September 4, 1946, Serial No. 694,525
7 Claims. (Cl. 260—26)

1. The method of producing a soluble and fusible rosin maleic glycerine ester soluble in coal tar solvents with a melting point higher than 160° C. and a viscosity higher than Z_3 by esterifying at temperatures above 225° C. but below 280° C. with 15 to 25% glycerine by weight the monomolecular crystalline rosin maleic acid, the monomer being the only rosin maleic acid present.

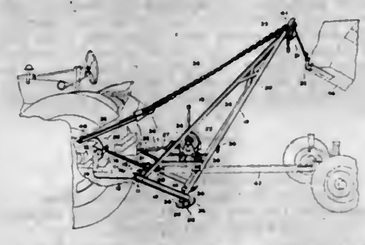
2,470,856
ELECTRON DISCHARGE DEVICE
Polykarp Kusch, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 20, 1941, Serial No. 407,539
12 Claims. (Cl. 250—27.5)

1. An electron discharge device comprising a buncher resonator and a catcher resonator at right angles to each other and having mid-points thereof in a common plane, means for producing a beam of electrons through the buncher resonator, electrode means for applying a lateral component of travel periodically on said beam, and means between said buncher and said catcher



for establishing a curvature of fixed radius to the path of the electron beam, whereby a density modulation is produced effective at the catcher resonator.

2,470,857
HOISTING ATTACHMENT FOR MOTOR-DRIVEN VEHICLES, SUCH AS TRACTORS
William C. Lathers, Jr., Madison, Wis.
Application January 13, 1947, Serial No. 721,860
11 Claims. (Cl. 214—86)



1. The combination with a motor driven vehicle having means for connecting its motor with other mechanism, of a derrick pivotally connected with the rear end of the vehicle and provided with a winding drum and tackle, extensible shafting for connecting the vehicle motor with the winding drum, and means for adjustably connecting the upper end of the derrick with said vehicle in different positions for lifting loads of different weights.

2,470,858
ANIMAL TRAP
Caswell L. Leonard, Memphis, Tenn., assignor of one-half to J. H. Kail, Memphis, Tenn.
Application September 25, 1944, Serial No. 555,677
2 Claims. (Cl. 43—67)

1. An animal trap having end walls, and an intermediate wall forming snare and cage chambers, the end wall of said snare chamber and said intermediate wall having openings for respective entrance to and exit from said snare chamber, shutters mounted on said walls for respective cooperation with said openings and respectively biased open and shut, a platform within said

snare chamber and below said openings, hinged along one side of said snare chamber, means in said snare chamber extending longitudinally of and spaced from the hinged side of said snare chamber to prevent approach of an animal within said snare chamber to the hinge edge of said

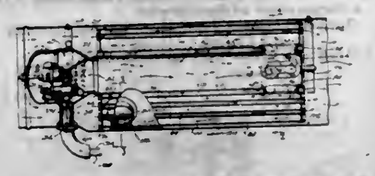


platform, and links operatively coupling said platform to said shutters, said platform being responsive to the weight of an animal within said snare chamber, for effecting coordinated closure and opening of said shutters respectively against the bias thereof.

2,470,859
NONANOIC ACID
Albert A. Pavlic, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 25, 1948, Serial No. 10,939
3 Claims. (Cl. 260—540)

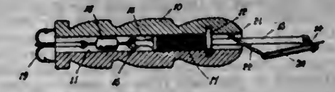
1. A normally liquid alkanoic acid of the formula $CH_3C(CH_3)_2CH_2CH(CH_3)CH_2COOH$.

2,470,860
HEATER
William C. Parrish, Park Ridge, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 8, 1944, Serial No. 525,535
20 Claims. (Cl. 257—245)



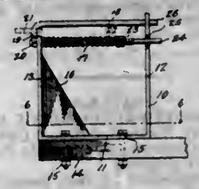
1. In a hermetically sealed type heating apparatus for aircraft and the like having means forming a combustion chamber with a relatively large diameter outlet opening, a central core tube of substantially the same diameter as the outlet opening of said combustion chamber and forming a continuation thereof, means comprising sheet metal wrapped spirally about said core tube in spaced relation thereto and in two layers to form alternate passageways for the flow of products of combustion and ventilating air, said passageway for products of combustion being of enlarged cross-sectional area in the region of the inlet thereto and the outlet therefrom, means providing a connecting passageway between said core tube and the products of combustion passageway formed by said sheet metal, such connecting passageway leading from a part of said core remote from the combustion chamber, means to hold the turns of said sheets in spaced relation, and means to cause flow of ventilating air longitudinally through the ventilating air passageways between turns of said spiral sheet metal.

2,470,861
FISHING LURE
Thomas G. Prentice, Detroit, Mich.
Application September 1, 1945, Serial No. 614,002
1 Claim. (Cl. 43—35)



In a device of the class described, in combination, a tubular body, a reciprocable member in said body, a spring biasing said member in a rearward direction in said body, a hook retractable against said body by movement of said member against resistance of said spring, a releasable element for locking said member in its hook-retracting position, and a line operably connected to said element to withdraw it from its locking to its released position when strained by a fish grasping said body, said element being slidably mounted on said line and, in its released position, being supported only by said line.

2,470,862
SAFETY HITCH
Robert D. Fresdorf, Decatur, Ind.
Application July 15, 1947, Serial No. 761,017
1 Claim. (Cl. 280—33.16)

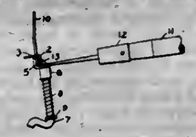


A hitch comprising a frame having spaced arms, a pull-rod slidable transversely of said arms, a latching rod having a depending end pivotally connected to one end of the pull-rod beyond the frame, said latching rod also having a protruding latching end, one of said arms having an inverted bayonet slot for receiving the latching end of said pull-rod to hold the latching rod in a latched position, the depending end of said latching rod being adapted to engage a towing connection for a towed vehicle and to automatically release the towing connection when the latching rod is released, and a spring carried by said pull-rod and abutting the frame to releasably and normally hold the depending end of the latching rod in flat abutting relation with the outer face of said frame and to thereby hold the latching end of the latching rod against accidental release by jarring until said latching rod is automatically released by excessive pull thereon should the implement carrying the hitch strike an obstruction.

2,470,863
RAKE CLEANER
Glenn D. Pringle, Lansing, Mich.
Application June 28, 1948, Serial No. 35,557
1 Claim. (Cl. 56—400.09)

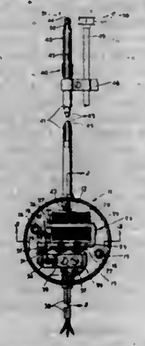
In combination with a garden rake, a rake cleaner comprising a sheet metal angle bar, the angle of the said bar being a right angle, a pair of flanges extending from points common to each other, one of the said flanges having a plurality of holes therethrough, the said holes adapted for

projection therethrough the said first flange by the prongs of a rake, the second flange having attached midway thereto a rod, the said rod extending perpendicularly to the edge thereof the said second flange, a hollow cylindrical member slidably attached to the said rod, the said cylindrical member having a retainer member securely attached thereto, the said retainer member adapted for conforming to a bar of a rake, and adapted for retaining the said garden rake cleaner attached to the said rake, a spiral spring, a spring stop, the said spring stop being secured to the said rod, the said spring being projected by



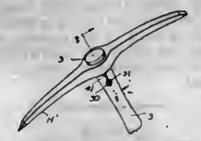
the said rod, and being located between the said retainer member and the said spring stop, the said spring stop adapted for retaining the said spring around the said rod between the said stop and the said hollow cylindrical member, a portion of an end of the said rod being substantially bent and the said bent portion adapted for pressing the same against the earth, forcing the said cylindrical member downwardly, forcing the said angle bar downwardly, and scraping debris from the prongs of the rake, and the said spiral spring adapted for returning the said angle bar to its original position when the pressure upon the said bent portion of the said rod is released.

2,470,864
THERMOELECTRIC CONTROL DEVICE
William A. Ray, North Hollywood, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application September 18, 1946, Serial No. 697,817
4 Claims. (Cl. 175—320)



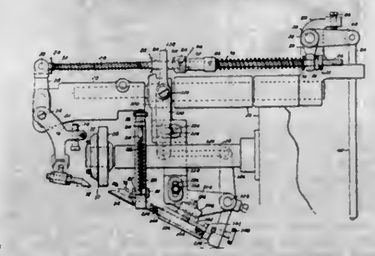
1. A unitary thermostatic device for controlling an electric circuit and adapted to be mounted on a burner in thermally-responsive relation to the flame thereof, comprising: an enclosed housing; thermostatic means comprising an elongated tubular member of rigid construction extending from and rigidly secured to said housing, the outer end of said tubular member being adapted to be subjected to said flame; switching means within the housing; means within the housing operated by said thermostatic means for actuating said switching means; a cable, permanently connected to said switching means, extending from said housing so as to form, in part, an electric circuit controllable by the device; and means for supporting the device on said burner, said supporting means consisting entirely of a bracket attached to said tubular member adjacent its outer end.

2,470,865
TOOLHEAD RETAINER
Swan Norman Rosengren, Seattle, Wash.
Application March 9, 1946, Serial No. 653,280
5 Claims. (Cl. 306—32)



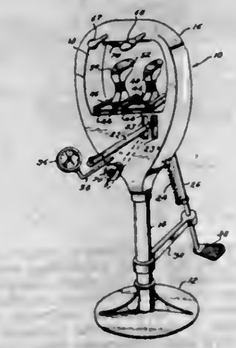
1. A retainer for securing a handle within the aperture of a tool head, comprising a member including a leg portion, and a portion integral with said leg portion, extending transversely thereof, and in anchoring engagement with the tool handle to prevent movement of said leg portion in one direction lengthwise of the handle, the tip of said leg portion abutting the edge of the tool head adjacent to said transverse portion to prevent movement of the tool head relative to said leg portion lengthwise of the handle in said one direction.

2,470,866
ROUGHING MACHINE
Ernest E. Sabin, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 22, 1947, Serial No. 749,696
3 Claims. (Cl. 69—1)



1. In a machine for roughing shoe parts, a pair of roughing tools for operating simultaneously upon different parts of the same shoe, a pair of work supports engageable respectively with the different parts of the shoe, a treadle, and connections through which depression of the treadle causes each work support to press that part of the shoe with which it is engageable against the tool which operates on that part, said connections having provision for lost motion whereby a partial depression of the treadle operates only one of the work supports and a further depression of the treadle operates the other work support.

2,470,867
MACHINE FOR BREAKING IN SHOES
Abraham Sachs, Baltimore, Md.
Application September 26, 1946, Serial No. 699,565
5 Claims. (Cl. 12—41.1)



2. In a machine for breaking in shoes, the combination of a supporting frame, a monobloc head supported thereon having an aperture therein, a lift slidably secured in said head and received in said aperture, tracks secured to said lift, an anvil detachably received in said tracks, a magnetized mold slidably secured to said anvil, hydraulic jack means secured in said head having said lift operatively connected thereto, a plurality of selectively operable actuating means protruding from apertures in said head, said actuating means comprising a manually operated arm and a second arm adapted to be actuated by foot pressure.

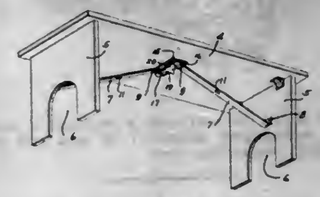
2,470,868
FUR BUTTON OR ORNAMENT
Moses J. Schifrin, New York, N. Y.
Application June 11, 1946, Serial No. 676,017
5 Claims. (Cl. 24—92)



5. A covered button structure comprising, a covering blank of fur-like material, a strip of elastic tape sewed to the entire periphery of said blank under tension and gathering its edge together when released from tension, a mold part in the space within the thus gathered blank, and a back secured to said mold part with said tape positioned between said mold part and said back.

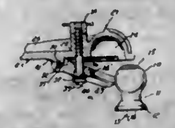
2,470,869
COLLAPSIBLE BENCH
Francis J. Schmidt, Wauwatosa, Wis., assignor to The Peter-Schmidt Corporation, Chicago, Ill., a corporation of Illinois
Application December 21, 1945, Serial No. 636,362
7 Claims. (Cl. 155—151)

3. In a bench comprising a top and foldable legs, mechanism for releasably latching and clamping said legs in erected and folded positions, said mechanism comprising braces hingedly connected with the legs and provided with a plurality of apertures, pins with which selected apertures of the respective braces are engageable in the said positions of the legs, a threaded stud, said pins and stud being connected with and depending from said top in adjacent position, latch means pivoted to the stud and engageable beneath said braces to secure said braces against



release from said pins, and a clamping nut upon said stud in supporting relation to said latch means, said latch means being adapted to transmit clamping pressure from said nut to said braces.

2,470,870
COUPLING OF THE BALL-AND-SOCKET TYPE
Harley B. Scholten, Sheboygan Falls, Wis.
Application October 8, 1947, Serial No. 778,701
7 Claims. (Cl. 287—89)

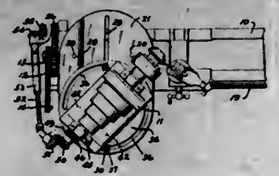


1. A coupling of the ball and socket type, including the combination of an upstanding ball member, a socket member having a downwardly facing spherically rounded socket, a jaw having one end horizontally pivoted to the socket member and provided with fork arms adapted for engagement with the ball, a clamping bolt extending through the jaw and socket member between the socket and the pivotal jaw connection, with the headed end of the bolt in engagement with the jaw, a nut threaded on the upper end of the bolt above the socket member, and locking means for holding the bolt in jaw clamping position.

2,470,871
HEADSTOCK ATTACHMENT FOR LATHES
Gilbert C. Schwantes and Robert C. Schwalbach, Milwaukee, Wis.
Application November 3, 1945, Serial No. 628,465
4 Claims. (Cl. 82—28)

1. An attachment for a lathe having a lathe bed and headstock, said attachment comprising a mounting plate adapted to be secured to the bed in a transversely extending position and provided with a slot also extending transversely of the bed, a slide bolted to the mounting plate by bolts extending through said slot, a headstock supporting plate connected to the slide by said bolts and having arcuate slots through which the bolts extend, means for securing the headstock supporting plate to the under surface of a

headstock, and means for transmitting motion from the headstock spindle to the working ele-

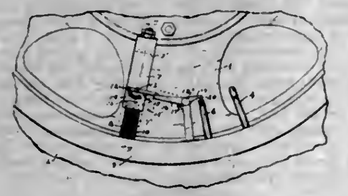


ments of the lathe in various positions of headstock adjustment permitted by said slot and headstock supporting plate.

2,470,872
PREPARATION OF ACID ACTIVATED CLAY
Robert B. Secor, South Gate, Calif., assignor to Filtrol Corporation, Los Angeles, Calif., a corporation of Delaware
No Drawing. Application November 14, 1946, Serial No. 709,778
7 Claims. (Cl. 252—450)

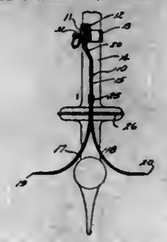
1. In a process of acid activating an acid activatable clay in which said clay is activated by treatment with acid, washed to remove soluble salts and any residual acid, and the clay is separated from water and dried, the improvement which comprises compressing the clay, prior to acid treatment, into relatively stable forms having increased density of at least 7% over the particles of said clay before such compressing.

2,470,873
AIRPLANE TIRE VALVE RELEASE MECHANISM
Walter Kenneth Seits, Tampa, Fla.
Application May 11, 1945, Serial No. 593,245
5 Claims. (Cl. 152—415)



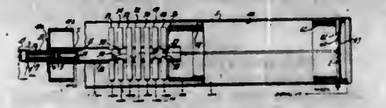
1. In combination, a wheel for an airplane, a casing upon the wheel, a tube within the casing having a valve for inflation thereof to provide the pressure in the casing desired at the landing of the airplane, a supplemental tube within the said inner tube and having an independent valve whereby the supplemental tube may be inflated to increase the pressure within the casing as desired for efficient take-off of the airplane from the ground, a weight mounted for movement away from the axle of the wheel and actuated by centrifugal force due to rotation of the wheel, a spring mounted to resist the outward movement of the weight and means actuated by the spring when the centrifugal force decreases to cause release of the air pressure in the supplemental tube.

2,470,874
PROPELLER GUARD FOR OUTBOARD MOTORS
Harry A. Sidney, Milwaukee, Wis.
Application June 15, 1946, Serial No. 677,029
11 Claims. (Cl. 115—42)



1. A weed guard for an outboard motor having a propeller and an upwardly extending housing member for a propeller driving shaft, comprising the combination with said housing member, of a hanger connected therewith normally in a guarding position in front of the housing, and provided with fork arms diverging from the end of the hanger distant from said pivotal connection laterally, downwardly and rearwardly on opposite sides of the propeller, said fork arms having sharp weed cutting edges.

2,470,875
STORAGE TUBE
Richard L. Snyder, Jr., New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 12, 1946, Serial No. 661,684
13 Claims. (Cl. 250—150)



1. A cathode ray beam storage tube comprising an evacuated envelope containing a gun, a target having a plurality of mutually insulated elemental areas, an electron multiplier between said gun and said target, a screen adjacent and in front of said target adapted to control secondary electrons bombarded from said target by said cathode ray beam, a plate capacitatively associated with said target for applying successive signal potentials simultaneously to all of the elemental areas of said target, means for electrostatically scanning said beam over said elemental areas and means for electrostatically focusing on said multiplier the electrons escaping from said target.

2,470,876
PREPARATION OF ALIPHATIC ACIDS
Roderick S. Spindt, Gibsonia, and Donald R. Stevens, Wilkinsburg, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application September 26, 1947, Serial No. 776,412
16 Claims. (Cl. 260—540)

1. The process for preparing aliphatic carboxylic acids which comprises hydrolyzing a sulfurized tertiary mono-olefine of the formula

$C_nH_{2n-4}S_2$, wherein n represents an integer from 4 to 16, in an aqueous alkaline solution, and recovering an aliphatic carboxylic acid from the resulting hydrolysis product.

2,470,877
METHOD AND APPARATUS FOR DETECTING VARIATIONS IN THE APPEARANCE OF AN OBJECT OR SAMPLE
Tor Stuland, Stord, Norway
Application October 18, 1946, Serial No. 704,115
In Great Britain July 10, 1945
3 Claims. (Cl. 250—41.5)



1. An apparatus for the detection of variations in the appearance of an object, comprising means for supporting a negative image of said object, means for projecting an optical image upon said image, photo-sensitive means responsive to the light passing through said negative image, further means for supporting a positive image of said object, means for projecting an optical image of said object upon the positive image, photo-sensitive means responsive to the light passing through said positive image, and means responsive to the output from both said photo-sensitive devices.

2,470,878
HOOK
Robert W. Tate, Chicago, Ill.
Application March 19, 1945, Serial No. 583,534
5 Claims. (Cl. 248—215)



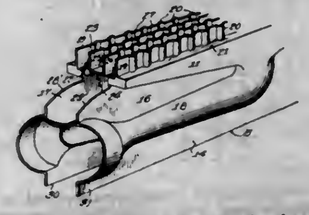
1. In means for suspending cuts of meat or the like in a refrigerated or other meat-storage compartment, the combination comprising: a clevis-like member adapted to be supported on an overhead beam or rail within the compartment, said member having side arms adapted to engage the opposite lateral sides of the rail and portions depending from said arms below the bottom of the rail; and a hook having the end of its shank connected to said member within and between said portions for detachment by manual manipulation of said hook, the shank of said hook having a transversely extending integral part for suspending said hook on said member for swinging movement in a single plane, and for preventing accidental disconnection of said hook from said member by vertical displacement in the act of removing a cut of meat from said hook.

2,470,879
PORTABLE GARMENT HOLDER OR HANGER
Glenn F. Wiggins, Palo Alto, Calif.
Application April 23, 1945, Serial No. 589,723
1 Claim. (Cl. 248—308)



A hanger including a single length of resilient strip material folded upon itself at its center to provide an eye, the strip including straight arms extending from the eye in engagement with each other substantially throughout their length, and diverging jaw portions extending from the respective arms, a pivot device carried by the eye, a hook having an eye engaging the pivot device, the arms being formed, between the eye and jaw portions of the folded strip, with matching slots defining an opening equal in depth to the combined thicknesses of the arms, the hook being provided with a pointed bill adapted to be housed within said opening, and a sleeve slidable on the arm to draw the jaw portions together, the sleeve being adapted, when the bill is housed within the opening, to enclose the bill protectively and to prevent movement thereof out of the opening.

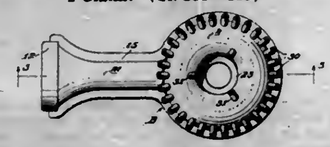
2,470,880
SHEET-METAL GAS BURNER
George W. Zimbelman, Signal Mountain, and Roy Shelton, Red Bank, Tenn., assignors to Samuel Stamping and Enameling Company, Chattanooga, Tenn., a corporation of Tennessee
Application September 19, 1944, Serial No. 554,800
2 Claims. (Cl. 158—99)



1. A gas burner comprising a pair of separate similar sheet metal stampings including elongated vertically disposed wall portions secured in face to face contact, the wall portions adjacent their lower edges having cooperating substantially semi-cylindrical portions forming a gas entry tube and the wall portions at their upper

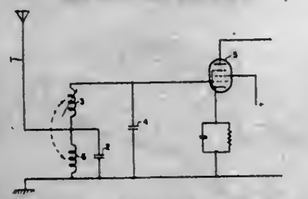
edges having elongated horizontally disposed hollow portions in communication with said gas entry tube, said stampings further including upper laterally spaced walls, coextensive with said hollow portions, said upper walls each provided with outwardly bulged vertically disposed spaced semi-cylindrical portions, and a channel member supported within the hollow portions and including vertically disposed walls having inwardly bulged vertically disposed spaced semi-cylindrical portions cooperating with the first semi-cylindrical portions forming two longitudinal rows of spaced gas ports.

2,470,881
PORCELAIN-COATED GAS BURNER
George W. Zimbelman, Signal Mountain, Tenn., assignor to Samuel Stamping and Enameling Company, Chattanooga, Tenn., a corporation of Tennessee
Application December 17, 1945, Serial No. 635,521
1 Claim. (Cl. 158—116)



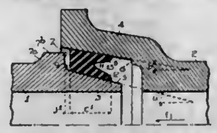
A gas burner comprising a burner housing circular in plan and a manifold communicating therewith, the housing and manifold being formed of relatively light gauge steel, the housing having a circumferential series of relatively long nozzles extending through a wall thereof and projecting therefrom both inwardly and outwardly thereof and tapering toward their inner ends, and the inner and outer surfaces of the housing, manifold and nozzles having a porcelain enamel coating.

2,470,882
RECEIVER INPUT CIRCUIT
Henri Blok, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 2, 1946, Serial No. 680,888
In the Netherlands March 10, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 10, 1963
2 Claims. (Cl. 250—40)



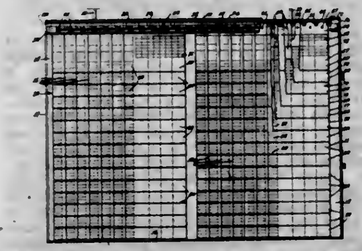
1. A receiver input circuit arrangement to reduce interference from power line frequencies, comprising a first variable inductive element having a given range of self-inductance, a capacitive element in series with said first variable inductive element, an antenna, means to couple said antenna to the series connection of said first variable inductive element and capacitive element, a second variable inductive element connected in parallel to said capacitive element having a range of self-inductance greater than the first variable inductive element and mutually coupled thereto, and mechanical means to vary simultaneously the mutual inductive coupling between the first and second inductive element and the self-inductance of the first inductive element.

2,470,883
PIPE CONNECTION AND PACKING RING THEREFOR
Pierre Boissou, Pont-a-Mousson, France, assignor to Compagnie De Pont-a-Mousson, Nancy, France, a French company
Application August 7, 1947, Serial No. 767,025
In France January 27, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires January 27, 1959
2 Claims. (Cl. 285—163)



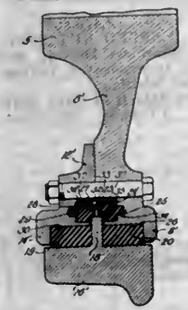
1. A fluid seal for a bell and spigot pipe joint comprising a bell member having an internally tapered bell surface and a cooperating spigot member having an externally tapered spigot surface, said spigot member having a shoulder at the junction of the tapered portion with the rest of the pipe body, said tapered surfaces lying opposite one another when the respective pipes are joined, the degree of taper of the spigot surface being greater than that of the bell surface with respect to the longitudinal axis of the pipe, and a packing ring positioned between said members and engaging said surfaces, and limited in movement in one direction by said shoulder, said ring comprising a body having a solid portion adjacent the bell mouth and two annular flaps extending toward the spigot end, said ring being of a diameter less than that of the spigot member and stretched over said spigot member, the solid portion of said ring being compressed between the said surfaces to form a seal when the pipes are joined, while the flaps are adapted to be compressed against the bell and spigot tapered surfaces by the prevailing internal pressure.

2,470,884
DISTRIBUTION BOARD
St. Clair Bromfield, Jackson Heights, Long Island, N. Y.
Application April 10, 1943, Serial No. 482,855
12 Claims. (Cl. 129—23)



3. In a peg-board, in combination, a writing surface, a rear wall extending above the writing surface, a ledge carried by the rear wall in spaced relation to the writing surface, said ledge being formed with a row of perforations having predetermined spacing, locking pins in the perforations, means adapted to retain the locking pins in the perforations, said writing surface being formed with a row of perforations registering with the perforations in the ledge, plungers reciprocating in the last mentioned perforations and adapted to engage and elevate the locking pins, a cam follower actuating the plungers, a cam block, operative connections between the cam follower and the cam block to reciprocate said cam block, a lever, and means pivotally connecting one end of the lever to the cam block.

2,470,885
RESILIENT WHEEL
Robert J. Burrows and Alfred O. Williams, Battle Creek, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application November 1, 1946, Serial No. 707,184
5 Claims. (Cl. 295—11)



2. A rail car wheel assembly comprising a hub member having a radially outwardly directed annular channel, opposed axially directed annular channels in said member lying radially within said first channel, circumferentially spaced axial recesses in said second-mentioned channels, a tire member surrounding said first channel and having a central radially inwardly extending flange projecting through said first channel and partially through the radial extent of said axially directed channels, said flange having openings therein in alinement with said recesses, a pair of rubber rings disposed in said first channel on opposite sides of said flange, and a second pair of rings in said axial channels having laterally projecting boss portions on opposite sides thereof projecting into said recesses and into the openings in said flange.

2,470,886
INSULATING BUSHING
Francis A. Buzzell, Chicago, Ill.
Application February 7, 1948, Serial No. 7,002
11 Claims. (Cl. 174—82)

1. An insulating bushing for electrical conduits, and the like, comprising a flexible body having a tubular body portion adapted to be received within a conduit, said tubular body having an outwardly-extending integral flange and a rearwardly-extending integral ring threaded on its inner side to engage threads of said conduit, said ring and body being divided on one longitudinal side, and said ring being provided with

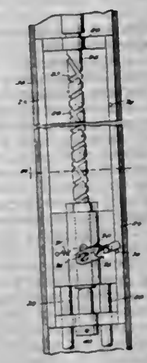


interlocking connections for locking the divided edge portions of the ring together.

2,470,887
METHOD OF TREATING CRACKED GASOLINE TO REMOVE METALS
Joseph A. Chenicek, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 16, 1947, Serial No. 741,936
9 Claims. (Cl. 196—23)

1. A method of treating cracked gasoline to remove metals which catalyze oxidative deterioration, which comprises contacting the cracked gasoline with a reagent solution of an ortho-hydroxy aromatic aldehyde in an excess of an amino compound selected from the group consisting of alkylene polyamine and alkanol amines, and subsequently separating the cracked gasoline reduced in metal content from reagent solution.

2,470,888
DEEP WELL PUMP
Charles F. Degner, Chicago, Ill., assignor of one-half to Henry M. Unschuld, Chicago, Ill.
Application October 28, 1944, Serial No. 560,787
6 Claims. (Cl. 74—57)



1. In combination, power means, a screw shaft constantly rotated in one direction by said power means, said screw shaft having coextensive right and left screw threads, one of said threads having a greater amount of lead than the other, a hollow elongated stationary member, a cross-head longitudinally reciprocable but nonrotatable in said stationary member, a pair of axially spaced nuts

rotatably mounted in the cross-head but held against axial movement with relation thereto, one of said nuts being in engagement with the thread of lesser lead and the other nut being in engagement with the thread of greater lead, a clutch head axially slidably but nonrotatably mounted in said cross-head between said nuts, a trigger lever pivotally mounted on said cross-head intermediate of its length, one end of said lever being connected to the clutch head and the other end of the lever being free, and a pair of stop members spaced apart longitudinally of the stationary member whereby when the cross-head approaches one end of its movement the free end of said lever will strike one of said stop members and be moved thereby to shift the clutch head into engagement with one of said nuts to hold it stationary relative to the cross-head for slow movement of the cross-head in the reverse direction, and when the cross-head approaches the end of its last mentioned movement the free end of the lever will strike the other one of said stops and shift the clutch head into engagement with the other one of said nuts to hold it against rotation with relation to the cross-head for fast movement of the cross-head in the opposite direction.

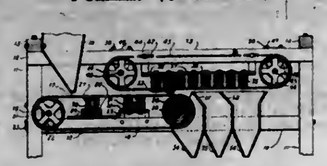
2,470,889

METHOD AND APPARATUS FOR SEPARATING MAGNETIC FROM NONMAGNETIC MATERIALS

Arthur B. Drescher, Daingerfield, Tex., assignor to Lone Star Steel Company, Daingerfield, Tex.

Application October 5, 1944, Serial No. 557,314

4 Claims. (Cl. 209—214)



1. The method of magnetically separating a mixture of materials certain particles of which have magnetic properties and other of which have non-magnetic properties, which consists in passing said mixture through a direct current magnetic field so as to impart to or to increase the coercive force of the particles having magnetic properties, then passing all of said mixture above an alternating current magnetic field of a strength less than the coercive force of the particles having magnetic properties so as to cause at least a partial stratification of the said mixture, and finally passing said materials below a second alternating current magnetic field of progressively increasing and diminishing force, the force of said second alternating current magnetic field being greater than the coercive force of some of the particles having magnetic properties and not greater than the coercive force of most of the magnetic particles, whereby to separate the latter from said particles of nonmagnetic force.

2,470,890

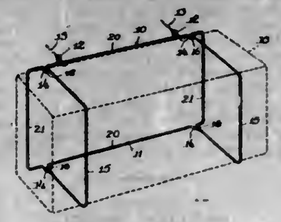
HOLDER FOR DISPENSING CONTAINERS

Charles H. Goodpasture, Chicago, Ill.

Application December 8, 1945, Serial No. 633,808

5 Claims. (Cl. 248—311)

5. A holder for a dispensing box or the like comprising a rectangular wire frame forming a backing member, means for securing said frame to the surface of a wall, and two U-shaped rigid



members pivotally mounted on opposite spans of said frame to provide means for embracing a box, said spans being flexurally resilient.

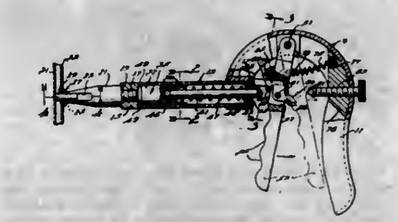
2,470,891

SPEED NUT TOOL

William P. Hammers, Detroit, Mich., assignor to Hammers, Incorporated, Detroit, Mich., a corporation of Michigan

Application March 18, 1947, Serial No. 735,389

7 Claims. (Cl. 81—3)



1. A tool for applying speed nuts to associated members so as to secure the latter together comprising a body having a handle at one end thereof and having a magnetized end portion at the opposite end thereof, the latter adapted to magnetically receive and hold a speed nut thereon so that the same may be pushed manually into engagement with said associated members by means of said tool, a spring operated inertia element slidably supported by said body for movement toward and away from said magnetic end including a head portion and a plunger portion extending rearwardly from said head, trigger means pivotally mounted in said handle, latch means pivotally mounted in said trigger and adapted to releasably engage the rear end of said plunger, whereby when said trigger is squeezed said inertia element is cocked, and means adjustably mounted in said handle adapted to contact said latch means at a predetermined point upon rearward movement of said trigger whereby to release said spring operated inertia element to permit the same to move forwardly and strike said magnetized end and deliver a final setting blow to the speed nut after it has been applied to the associated member.

2,470,892

STABILIZED FREQUENCY MODULATOR

Gerard Hepp, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

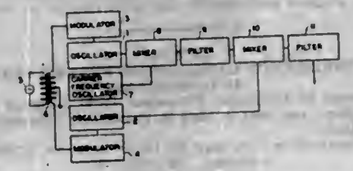
Application July 2, 1946, Serial No. 680,886

In the Netherlands November 25, 1942

Section 1, Public Law 690, August 8, 1946

Patent expires November 25, 1962

6 Claims. (Cl. 332—19)



6. A circuit arrangement for frequency-modulating a given stable oscillation of carrier frequency, comprising means to generate a stable pilot oscillation of carrier wave frequency, a first oscillator to generate a first auxiliary oscillation of predetermined frequency, a second oscillator to generate a second auxiliary oscillation of said predetermined frequency, said first and said second oscillators being identical in construction and being subject to the same extraneous influences tending to vary the frequencies produced therein undesirably, a first reactance tube circuit coupled to said first oscillator, a second reactance tube circuit coupled to said second oscillator, a frequency control circuit comprising a first amplitude limiter coupled to said first oscillator, a second amplitude limiter coupled to said second oscillator and being adjusted to limit the amplitude value of said second auxiliary oscillation to the amplitude value of said first auxiliary oscillation, a first diode having the anode thereof capacitively coupled to said first limiter, a second diode having the cathode thereof connected to the anode of said first diode, a third diode having the cathode thereof capacitively coupled to said second limiter, a fourth diode having the anode thereof connected to the cathode of said third diode and the cathode thereof connected to the anode of said second diode and to said second reactance tube circuit, means to apply negative bias to said first diode, means to apply negative bias to said third diode and a capacitor coupling the cathode of said first diode and the anode of said third diode to the anode of said second diode and the cathode of said fourth diode whereby the frequency of said first oscillator is maintained substantially equal to that of said second oscillator, means to mix said pilot oscillation and said first frequency-modulated auxiliary oscillation to produce a resultant frequency-modulated carrier oscillation having sum and difference sideband frequencies, means to filter said resultant frequency-modulated carrier oscillation to derive a resultant frequency-modulated carrier oscillation having difference sideband frequencies only, means to mix said derived resultant frequency-modulated carrier oscillation with said second frequency-modulated auxiliary oscillation to produce a resultant frequency-modulated carrier oscillation having sum and difference sideband frequencies, and means to filter said resultant frequency-modulated carrier oscillation to derive a frequency-modulated carrier oscillation of sum sideband frequency only whereby said first and said second auxiliary oscillations having undesirable frequency variations are suppressed.

2,470,893

CIRCUIT ARRANGEMENT FOR MODULATING AN ELECTRIC SIGNAL

Gerard Hepp, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

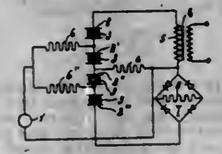
Application May 3, 1947, Serial No. 745,878

In the Netherlands March 27, 1946

Section 1, Public Law 690, August 8, 1946

Patent expires March 27, 1966

8 Claims. (Cl. 179—171)



1. A circuit arrangement for amplifying a signal voltage, comprising a circuit having first and second capacitors having dielectric properties which vary in accordance with the potential existing thereacross, means to apply an auxiliary voltage to said capacitors in series, means comprising a high resistance element to apply said signal voltage to said capacitors in parallel to modulate said auxiliary voltage, and means to demodulate said modulated auxiliary voltage to derive a potential proportional to said signal voltage.

2,470,894

PRODUCTION OF POLYOLEFINIC HYDROCARBONS

Warren W. Johnstone, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application September 21, 1945, Serial No. 617,927

3 Claims. (Cl. 260—666)

1. A process for the production of a polyolefinic material containing hydrocarbons possessing both conjugated and non-conjugated unsaturation which comprises contacting a hydrocarbon charge consisting essentially of saturated hydrocarbons with hydrogen fluoride at a temperature of from about —20° C. to about 150° C. and a pressure sufficient to maintain at least a portion of the reaction mixture in the liquid phase, separating the reaction mixture into a hydrocarbon phase and a hydrogen fluoride phase containing said polyolefinic material, distilling said hydrogen fluoride phase at a subatmospheric pressure not greater than about 100 millimeters absolute to separate hydrogen fluoride therefrom, and recovering the residual polyolefinic material.

2,470,895

IMPULSE TYPE POWER SUPPLY

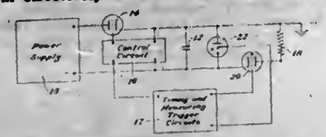
Elbert W. Marlowe, Chicago, Ill., and Howard A. Wilcox, Los Alamos, N. Mex., assignors to the United States of America as represented by the United States Atomic Energy Commission

Application December 13, 1945, Serial No. 634,867

1 Claim. (Cl. 320—1)

In an electronic circuit, a capacitor, a source of potential for charging said capacitor, an output circuit, control and regulating means intermediate said source and said capacitor for controlling the initiation and termination of charging and rate of charging of said capacitor and responsive to a predetermined signal to prevent the passage of charging potential to said capaci-

tor immediately prior to discharge, means associating said capacitor and said output circuit and adapted to be responsive to a predetermined signal to permit discharge of said capacitor through said output circuit, means in shunt with said output circuit and responsive to a predetermined signal effectively to short circuit said capacitor,

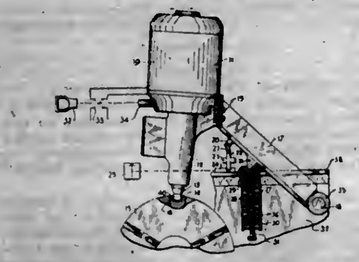


and signal producing means for supplying successive signals in predetermined time relationship respectively to said control means, said means associating said capacitor and said output circuit and said short circuiting means, said signal to said short circuiting means being supplied prior to complete discharge of said capacitor.

2,470,896
RECOVERY OF SULFONIC ACIDS FROM SPENT SULFONATING AGENT
Julian M. Mavity, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 15, 1947, Serial No. 786,298
11 Claims. (Cl. 260—505)

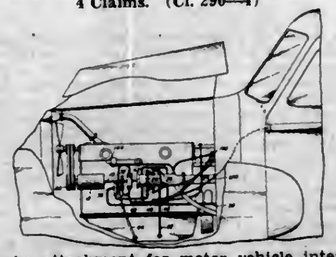
1. In a sulfonation process wherein the charging stock to be sulfonated is contacted with a sulfonating agent and the resulting sulfonation reaction mixture containing the sulfonic acid product admixed with the sulfonating agent is diluted with water to spring the sulfonic acid product from said sulfonation reaction mixture, thereby forming a sulfonic acids product phase and an aqueous sulfuric acid phase containing residual sulfonic acids, the additional treatment of the aqueous sulfuric acid phase to extract residual sulfonic acids therefrom which comprises contacting said aqueous sulfuric acid phase with a water-insoluble solvent for said sulfonic acids selected from the group consisting of the hydrocarbons and halogenated hydrocarbons liquefiable at the temperature and pressure conditions of extraction.

2,470,897
HINGED SUPPORTED MOTOR WRENCH
Floyd E. Niederhiser, Cleveland, Ohio
Application April 5, 1946, Serial No. 659,928
5 Claims. (Cl. 279—1)



5. A power wrench for operating the jaw actuating elements of a work holding device comprising, a driving motor, a shaft member driven by said motor, said shaft member having engaging surfaces to slidably engage with and disengage from driving relationship with said jaw actuating elements by relative axial movement with respect to said jaw actuating elements, a bracket arm having a support end and a pivot end, said pivot end having a pivot axis, said shaft member being fixedly carried on said support end, said pivot end being adapted to be pivotally mounted on a base a distance from said jaw actuating elements, said shaft member thereby being swingable in an arcuate path about said pivot end as an axis.

2,470,898
EMERGENCY GENERATING SYSTEM FOR AUTOMOBILES
Joseph M. Parzinger, Columbus, Ohio, assignor of thirty per cent to Max H. Parzinger, Columbus, Ohio
Application February 16, 1948, Serial No. 8,703
4 Claims. (Cl. 290—4)

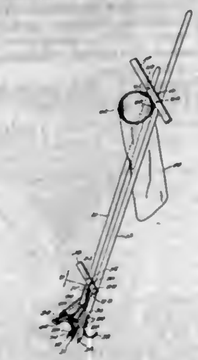


1. An attachment for motor vehicle internal combustion engines comprising a starting-generating dynamo, resiliently biased drive means associated with said starting-generating dynamo, a shaft extending from said starting-generating dynamo, power means associated with said shaft, said power means selectively operable with said starting-generating dynamo relative to said resiliently biased drive means, a circuit connecting said drive means and said starting-generating dynamo, thermostatic means in said circuit for selectively controlling said starting-generating dynamo for use as a motor and a generator, said power means including a compressor and an ignition fired turbine.

2,470,899
WEEDING DEVICE
Leo S. Rink, Moline, Ill.
Application October 18, 1945, Serial No. 623,093
13 Claims. (Cl. 254—132)

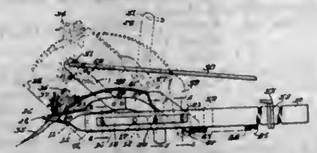
2. A weed removing device comprising a ground penetrating spade fixed to a hand pole, a weed throw-out member pivotally attached to the hand pole for movement from a position adjacent the spade for entering the ground therewith to a position away from the spade, means for effecting pivotal movement of the weed throw-out member when the spade is in the ground behind a weed, said means including a lever arm pivotally attached to said hand pole above said spade and throw-out member, a chain attached to said lever arm at a point spaced to one side of its pivotal attachment to the hand pole, said chain extending downwardly and attached to the weed throw-out member at a point spaced from its pivotal attachment to the hand pole, whereby a downward movement of the lever arm at a point spaced to the other side of its pivotal attachment to the hand pole causes an upward and forward move-

ment of the throw-out member thus lifting the weed from the ground, a rest pole positioned parallel to said hand pole, said lever arm pivotally attached to said rest pole on the chain attachment side of its pivotal attachment to the hand pole, and a second lever arm parallel to the first lever arm and pivotally attached to the hand and



rest poles at points spaced upwardly from said first lever arm, whereby the first lever arm is operated by foot and the second lever arm is operated by hand and both either together or singly performing the same function because of the parallel arrangement of the poles and the parallel arrangement of the lever arms.

2,470,900
WEEDER WITH WEED STRIPPER
Leo S. Rink, Moline, Ill.
Application May 13, 1947, Serial No. 747,654
10 Claims. (Cl. 254—132)



1. A weeder comprising a support, a ground penetrating spade fixedly positioned on said support, a second ground penetrating spade hinged on said support for swingable movement from a position immediately above and adjacent said first spade to a position spaced from and above said first spade, means for effecting swinging movement of said second spade, and a stripping member hinged for swinging movement above said second spade about a point spaced from the hinge of said second spade, said stripping member being arranged and constructed to slide longitudinally of said second spade upon swinging movement of said second spade.

2,470,901
UNDERGARMENT
Sylvia Roodner, New York, N. Y.
Application April 18, 1947, Serial No. 742,363
3 Claims. (Cl. 2—73)

1. An undergarment of the character described comprising a brassière portion and an attached skirt portion, said skirt portion comprising a main body panel and an intermediate wedge shaped front panel, said main body panel comprising a fabric section in which the median line is on the bias and the upper side edge portions are on the "straight" of the material and positioned at the front of the garment, the said upper side edge portions diverging upwardly toward the waist line of the garment and attached to the side edges of the intermediate wedge shaped front panel, the lower side edge portions of the main body panel being secured together below the wedge shaped front panel.



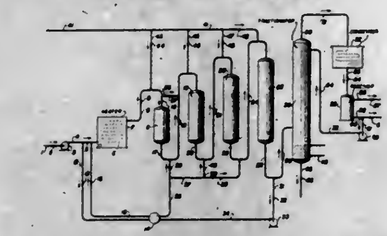
2,470,902
ALKYLATION OF PHENOLS
Robert H. Rosenwald, Western Springs, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 28, 1946, Serial No. 700,177
8 Claims. (Cl. 260—613)

1. In the catalytic alkylation of phenols wherein there is formed a catalyst phase containing dissolved mono-alkylated phenol and unreacted phenol, the improvement which comprises removing said catalyst phase from the alkylating zone and extracting the mono-alkylated phenol therefrom by contacting the catalyst phase with a selective solvent selected from the group consisting of paraffinic hydrocarbons and chlorinated paraffinic hydrocarbons, thereafter returning the thus treated catalyst phase to the alkylating zone, and recovering the extracted mono-alkylated phenol from said solvent.

2,470,903
MANUFACTURE OF DERIVATIVES OF ETIOCHOLENIC ACID
Walter Charles Joseph Ross, London, England
No Drawing. Application February 13, 1946, Serial No. 647,437. In Great Britain February 21, 1945
7 Claims. (Cl. 260—397.1)

1. A method of preparing a derivative of etiocholenic acid which consists in condensing with an aldehyde a pregnene derivative having a keto group in the 20-position and a hydroxy group in the 3-position, acetylating the condensation product to convert said hydroxy group into an acetoxy group, and oxidizing the acetate of the condensation product by means of potassium permanganate in an organic solvent selected from the class consisting of dioxane and simple ketones without protecting the double bond.

2,470,904
POLYMERIZATION OF OLEFINIC HYDROCARBONS
William B. Shanley, San Marino, Calif., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 23, 1947, Serial No. 743,425
14 Claims. (Cl. 260—683.15)



1. A process for producing polymers from a hydrocarbon fraction containing at least about 50 mole percent of olefins of higher molecular weight than ethylene, which comprises contacting said olefin-containing hydrocarbon fraction at polymerizing conditions with a solid polymerizing catalyst contained in a series of catalyst sections of increasing thickness in the direction of flow, cooling between catalyst sections by introducing a hydrocarbon quenching stock between said catalyst sections, fractionating hydrocarbon effluent from said catalyst sections to separate polymers and unconverted hydrocarbons, and recovering said polymers.

2,470,905
CHERRY PITTER
Clarence N. Springer and Hester Rae Springer, Grand Rapids, Mich.
Application April 23, 1947, Serial No. 743,240
1 Claim. (Cl. 146—21)

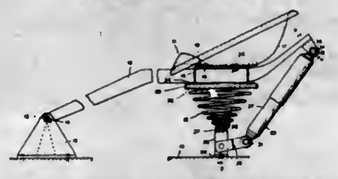


A fruit pitting device comprising a unitary sheet metal bar sheared and pierced to form a U-shaped scoop portion having its legs connected to the body of the bar and having its bight extending laterally from the body of the bar a sufficient distance to penetrate the fruit to the center thereof, said device having said body of the bar curled to form a ring portion adapted to snugly embrace a human finger with the scoop portion projecting therefrom in one lateral direction and a curled hook portion adapted to engage an adjacent finger projecting from the ring portion in a lateral direction opposite to the scoop portion.

2,470,906
DENTIFRICE
Ralph Taylor, New York, N. Y.
No Drawing. Application July 31, 1946, Serial No. 687,539
3 Claims. (Cl. 167—93)

1. A dentifrice comprising in combination a bodying agent and more than .5% by weight of an active medium, adapted to transform mucinous coatings in the oral cavity into easily removable form, from the class consisting of ascorbic acid and acid analogues of ascorbic acid, the bodying agent being present in amount sufficient to render the dentifrice of paste consistency.

2,470,907
VEHICLE SEAT CONSTRUCTION
Glen L. White, Grosse Pointe, and Clayton H. Diedrich, Monroe, Mich., assignors to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application February 7, 1945, Serial No. 576,572
9 Claims. (Cl. 155—9)



3. A seat assembly for a vehicle comprising a single beam pivotally supported at one end in such a manner as to be capable of swinging in a vertical plane only, a seat mounted on said beam adjacent to the rear end thereof, a conical coil spring disposed beneath said seat and beam with its apex at the lower end adapted to engage a stationary support in said vertical plane of the beam, anda shock absorber disposed in the vertical plane of the beam with its upper end connected to said beam and with its lower end adapted to be connected to a support.

2,470,908
PREPARATION OF GRANULAR POLYMERS OF VINYL HALIDES
Massimo Baer, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 10, 1947, Serial No. 790,931
13 Claims. (Cl. 260—78.5)

1. In a process wherein a polymerizable material containing a vinyl halide from the group consisting of vinyl chloride and vinyl bromide is polymerized while dispersed in an aqueous medium having dissolved therein as a dispersing agent a heteropolymer of vinyl acetate and a substance from the group consisting of maleic acid and maleic anhydride, the step which comprises incorporating in the aqueous medium prior to polymerization 0.5–15%, based on the polymerizable material, of an alkyl phthalate in which the alkyl groups each contain more than 1 but less than 11 carbon atoms, as a particle size reducing agent.

2,470,909
PREPARATION OF GRANULAR POLYMERS OF A VINYL HALIDE
Massimo Baer, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 10, 1947, Serial No. 790,932
12 Claims. (Cl. 260—78.5)

1. In a process wherein a polymerizable material containing a vinyl halide from the group consisting of vinyl chloride and vinyl bromide is polymerized while dispersed in an aqueous medium having dissolved therein as a dispersing agent a heteropolymer of vinyl acetate and a substance from the group consisting of maleic acid and maleic anhydride, the step which comprises incorporating in the aqueous medium a glycol ester of a fatty acid as a particle size reducing agent in an amount of 0.5–15% based on the monomeric material, said glycol containing not more than 10 carbon atoms and said fatty acid containing more than 1 but less than 7 carbon atoms.

2,470,910
PREPARATION OF GRANULAR POLYMERS OF VINYL HALIDES
Massimo Baer, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 10, 1947, Serial No. 790,933
13 Claims. (Cl. 260—78.5)

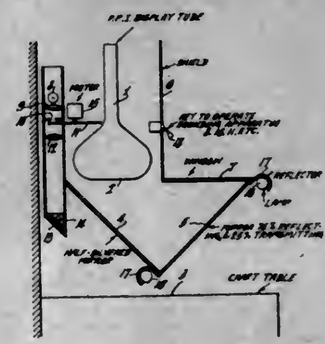
1. In a process wherein a polymerizable material containing a vinyl halide from the group consisting of vinyl chloride and vinyl bromide is polymerized while dispersed in an aqueous medium having dissolved therein as a dispersing agent a heteropolymer of vinyl acetate and a substance from the group consisting of maleic acid and maleic anhydride, the step which comprises incorporating in the aqueous medium prior to polymerization 0.5–15%, based on the polymerizable material, of a phosphoric acid ester of an hydroxy benzene from the group consisting of phenol, cresols, and xylenols, as a particle size reducing agent.

2,470,911
PREPARATION OF GRANULAR POLYMERIZATION PRODUCTS OF VINYL HALIDES
Massimo Baer, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 11, 1947, Serial No. 791,165
9 Claims. (Cl. 260—78.5)

1. In a process for preparing polymerization products in granular form, the step which comprises polymerizing an aqueous dispersion of a polymerizable material containing a vinyl halide from the group consisting of vinyl chloride and vinyl bromide in the presence of, as a dispersing agent, a heteropolymer of vinyl methyl ether and a compound selected from the group consisting of maleic acid and maleic anhydride dissolved in the aqueous phase, said heteropolymer being free from salt groups.

2,470,912
NAVIGATION AIDING APPARATUS
Frank Powell Best, Chelmsford, Christopher Dering Colchester, Danbury, and James Twatt, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application November 28, 1947, Serial No. 788,700
In Great Britain April 5, 1946
4 Claims. (Cl. 177—386)

1. An apparatus comprising in combination a P. P. I. radar display tube, a chart table, a light-reflecting light-transmitting mirror system for enabling a chart on said table and the P. P. I. pattern produced by said tube to be viewed simultaneously in correct superimposition by the principle of the "Pepper's ghost" illusion, an echo sounder, a light source arranged to be energized on receipt of an echo signal by said sounder, a sounding scale member having sounding indications so arranged and driven as to be interposed in turn in the light path from said source, means for transmitting a sounding pulse when the zero of the sounding scale member is interposed in the light path, an optical system for



superimposing on the chart and display presentation, in the position corresponding to ship's position thereon, an image of the indication in the light path when the light source is energized.

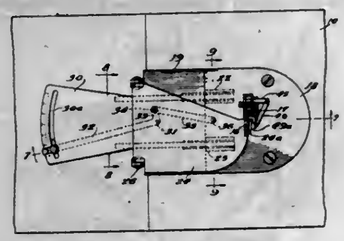
2,470,913
A COOLANT FOR METAL MACHINING PROCESSES
Johan Bjorksten, Chicago, and Thomas C. Crowley, Plainfield, Ill., assignors to Bee Chemical Company, a corporation of Illinois
No Drawing. Application September 26, 1945, Serial No. 618,790
1 Claim. (Cl. 252—33)

A self-emulsifying water dispersible coolant for contacting a grinding wheel during a grinding operation consisting essentially of from ½% to 30% of a refractory oil having a U. O. P. characterization number between 9.8 and 10.9 and a boiling point substantially about 575° F.; between 3 and 50% of a water soluble emulsifier, and between 20 and 60% of a volatile solvent selected from the group consisting of saturated aliphatic and naphthenic hydrocarbons having a boiling range substantially between 300° and 500° F.

2,470,914
BLIND STITCHING APPARATUS
Sylvester J. Birginal, Omaha, Nebr.
Application July 8, 1944, Serial No. 544,951
9 Claims. (Cl. 112—140)

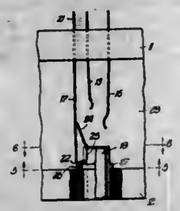
1. In a sewing machine having a reciprocal needle, and a presser foot blind stitching apparatus of the character described, including: a guide member adapted to have a material-guiding edge closely adjacent the path of movement of the needle; a mounting member having the guide member pivotally mounted thereon, about an axis perpendicular to and spaced from the line of movement of the needle, the mounting member being movable in a plane perpendicular to the direction of movement of the needle; actuating means for moving the mounting member to adjust precisely the position of the guiding edge of the guide member with respect to the path of movement of the needle, the actuating means including a manually movable actuating member

and a motion-reducing actuating connection between said actuating member and the mounting member; a guiding arm pivotally mounted on the presser foot for movement about two axes at right angles to each other, one end of the guiding arm



being provided with a pressure shoe adapted to lie adjacent said material guiding edge for pressing the material being sewed against the guide means; and spring means for urging the pressure shoe towards the guide means.

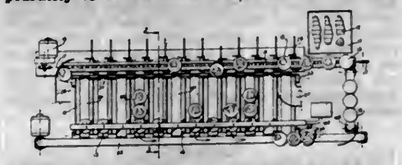
2,470,915
DUAL PURPOSE SLEEVE-SPRING SPRING JACK
James E. Bosh, Berwyn, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application July 5, 1945, Serial No. 603,321
10 Claims. (Cl. 179—96)



1. A sleeve-spring contact device for use in spring jacks of the class described, comprising a bushing-like sleeve for receiving a plug, and a sleeve-spring secured at one end and carrying at the free end thereof a plurality of contact means for the dual purpose, first, of maintaining at all times contact with said bushing-like sleeve and, second, of establishing positive contact engagement with the sleeve contact surface of a plug inserted thereinto.

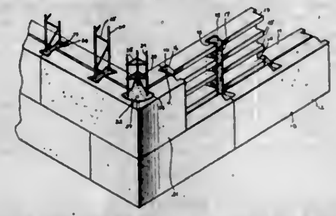
2,470,916
APPARATUS FOR SELECTIVELY PACKING PRODUCTS OF VARIABLE WEIGHT
Eben Hunter Carruthers, Ithaca, N. Y., assignor to E. H. Carruthers Co., Warrenton, Oreg., a corporation of Oregon
Application May 26, 1942, Serial No. 444,510
18 Claims. (Cl. 209—121)

1. An apparatus for use in packing a predetermined weight of articles of variable weight in a single container comprising, in combination, means including weighing mechanism for sorting the articles into groups by weight, and means for automatically and simultaneously selecting a plurality of said articles whose combined weight



substantially equals the desired weight to be placed in the container.

2,470,917
BUILDING WALL OF PLASTIC FILLED SECTIONAL BLOCKS
Aage Christensen, Chula Vista, Calif.
Application April 26, 1946, Serial No. 665,207
1 Claim. (Cl. 72—30)

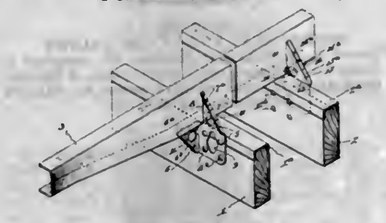


In a building wall construction, a pair of opposed sections arranged in parallel relation with respect to each other and provided with spaced ribs extending from their confronting surfaces in parallel horizontal planes, said ribs being provided with opposed vertically aligned dovetailed notches, each of said sections having a lining seated in and conforming to said dovetailed notches, said opposed linings spanning said ribs and forming an enclosure, and cementitious material filling said enclosure and tying said sections together in said parallel relation.

2,470,918
METHOD OF IMPREGNATING AND DECORATING CEMENTITIOUS MATERIALS
Ling Chung, New York, N. Y.
No Drawing. Application July 23, 1942, Serial No. 452,829
1 Claim. (Cl. 117—123)

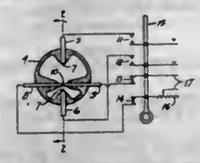
The method of producing art objects or the like which consists in impregnating a body of porous cementitious material with a viscous resinous impregnating solution, placing the impregnated body in a curing oven and gradually raising the temperature in the oven to approximately 60° centigrade, maintaining the oven temperature at approximately 60° centigrade for a predetermined length of time, removing the impregnated body from the oven and applying heat hardening coloring paint to the body, returning the body to the oven and gradually raising the temperature in the curing oven to approximately 85° centigrade, maintaining the oven at such temperature for a predetermined length of time, gradually raising the temperature of the oven to 100° to 120° centigrade and maintaining such temperature in the oven for a predetermined length of time, and then removing the cured impregnated body from the curing oven.

2,470,919
FRAME STRUCTURE FOR TRUCK OR TRAILER BODIES OR THE LIKE
Nelson E. Cole, Reading, Pa., assignor to Parish Pressed Steel Co., Reading, Pa., a corporation of Delaware
Application May 18, 1946, Serial No. 670,786
4 Claims. (Cl. 296—35)



1. In combination with two superimposed crosswise extending base frame elements of a truck body or the like; of a gusset device comprising two integrally united angularly arranged members, one of which members is provided with a flat body section adapted to be secured in sidewise relation to the lower frame element and has a triangular brace extension one edge of which terminates in a reinforcing flange and the other edge of which is secured in crosswise relation to the upper frame element; and the other of which members is triangularly shaped and provided with an upper edge section secured in lengthwise relation to the underside of the upper frame element.

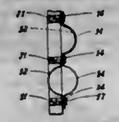
2,470,920
ELECTRON COUNTER
Thomas Colson, San Francisco, Calif.
Application January 30, 1948, Serial No. 5,272
7 Claims. (Cl. 250—83.6)



1. In an electron counter, an envelope, high voltage electrodes extending into the envelope with their inner ends spaced apart, means for conducting electrons from the outside of the envelope to a point substantially between the inner ends of said electrodes and a resistor in said means adapted to control the flow of electrons into said envelope.

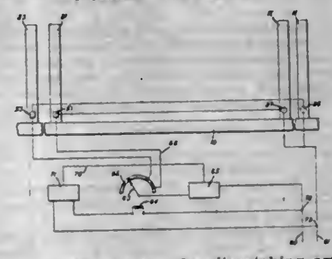
2,470,921
PLASTIC WINDOW
Alden B. Dow, Midland, Mich.
Application June 16, 1943, Serial No. 491,027
2 Claims. (Cl. 160—352)

1. In a window, the combination including: spaced coplanar supporting members; and a plurality of alternately overlapping panes supported therebetween; said panes being of width greater than the distance between said supporting members, at least one of said panes being of flexible plastic material adapted to be flexed inwardly and outwardly thereby to cause the overlapping ends of said flexible pane selectively to be in surface contact with and to be separated from the



overlapped portions of the adjacent panes in the series.

2,470,922
WORK DISTRIBUTING CONVEYER SYSTEM
John R. Dunn, South Groveland, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 27, 1946, Serial No. 699,732
3 Claims. (Cl. 198—81)

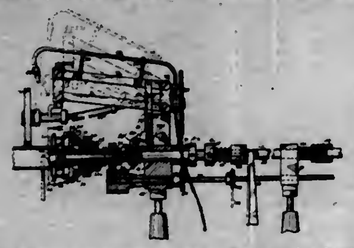


3. A conveyor system for dispatching articles from a supply area to a work area, the conveyor system comprising a driven main conveyor traveling from the supply area through the work area, branch conveyors disposed at spaced positions in the work area and positioned to receive articles from the main conveyor, supply conveyors for the branch conveyors disposed at spaced positions in the supply area and positioned to feed articles disposed thereon to the main conveyor, retaining units, for the supply conveyors normally urged into the path of the articles thereon, electrically operable to release a given number of articles for movement onto the main conveyor, an electrical circuit for each unit, a normally closed switch for each circuit disposed at its respective branch conveyor to be held open by articles on the branch conveyor and freed to close by the removal of a given number of articles from the branch conveyor, a selector having a contact for each circuit and a brush operable successively into engagement with the contacts to render the circuits effective in a given order, and a timing unit to hold the brush of the selector unoperated until the lapse of a given interval of time after the closing of one circuit by the brush engaging its contact before the next circuit may be closed by the brush.

2,470,923
TUBE END FORMING MACHINE
Charles Eisler, South Orange, N. J.
Application January 26, 1945, Serial No. 574,800
4 Claims. (Cl. 49—7)

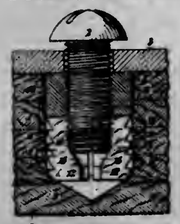
1. In a tool for forming the end of a tube, a bearing, a plunger shaft slidably arranged in said bearing, a forming die fixed to one end of said shaft, a flange on said forming die, means on said shaft to reciprocate the same in said bearing to advance and retract the forming die relative to the end of the tube, a bracket mounted

on said shaft, roller members slidably mounted on said bracket in alignment with said forming die for cooperation therewith to form the end of the tube on said die and against said flange, means on said bracket engaging the rollers to normally urge the latter away from the forming



die, a cone mounted on said shaft and adapted, on engagement with said roller members, to move the latter toward the forming die for cooperation therewith to form the end of the tube, and means engaging said cone to move the same into and out of engagement with said roller members.

2,470,924
FASTENING DEVICE
Howard A. Flogaus, Wallingford, Pa., assignor to South Chester Corporation, Chester, Pa., a corporation of Delaware
Application August 29, 1946, Serial No. 693,678
1 Claim. (Cl. 85—2.4)



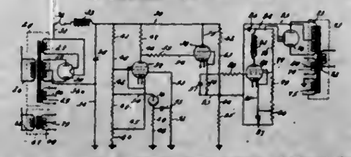
A fastening device comprising a tubular anchor nut formed of relatively soft metal, a plurality of closely spaced external serrations forming longitudinally directed ridges and valleys at the outer end of said nut, an internally threaded portion formed in the outer end of said nut, a radially split inner end portion comprising a plurality of expansible prongs each of said prongs having a series of sharply pointed barbs of angular cross section, said series of barbs extending from the inner end substantially to the serrated portion, said prongs having interior tapering unthreaded surfaces converging towards the inner end of the nut and adapted to be engaged by an expander, and said barbs having outer cutting faces disposed at an angle inclined downwardly with respect to the axis of said nut, the angle of inclination being such that engagement of said tapering surfaces with an expander of substantially uniform cross section radially expands said outer cutting faces to a position substantially at right angles to the axis of said nut, and inner faces on said barbs inclined at an acute angle to the axis of said nut, whereby as an incident to radial expansion and bending of the prongs said barbs will be caused to chisel upwardly into the surrounding material without appreciable crushing of the material adjacent to said outer cutting faces, and the barbed prongs having an outside diameter, prior to expansion, greater than the minimum diameter of the serrated portion, as defined by said valleys, but less than the maximum diameter of said serrated portion, as defined by said ridges.

2,470,925
PISTON SEAL FOR FLUSH VALVES
Edward A. Fredrickson, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application January 16, 1946, Serial No. 641,453
4 Claims. (Cl. 309—33)



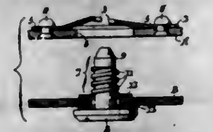
1. In a piston construction, the combination of a plunger within a cylinder having a substantially cylindrical portion with a circumferential flange extending from said cylindrical portion, a removable flexible sealing member mounted upon said flange, the said sealing member having an annular relieved end portion whereby pressure within said relieved portion tends to spread the latter relieved portion apart, whereby peripheral contacts are made by said flexible sealing member with the said piston and said cylinder simultaneously, the said sealing member having annular clearances between said sealing member and the cylinder and between the sealing member and the plunger whereby said sealing member and said plunger are transversely movable predeterminedly, the annular clearance between the said sealing member and plunger being substantially increased immediately adjacent the inner rim-portion of the said circumferential flange.

2,470,926
ELECTRONIC COUNTER
Werner A. Gieseke, Danville, Ill.
Application February 27, 1946, Serial No. 650,663
10 Claims. (Cl. 235—92)



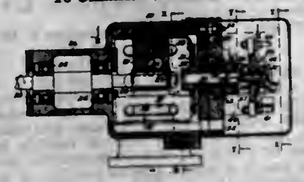
5. A device for counting impulses of short duration comprising a phototube intermittently subjected to light rays, direct current operated, electronic means associated with the phototube comprising means for inverting impulses set up by the phototube when the light rays thereon are interrupted, a trigger tube for receiving the inverted impulses and a power tube fired by the trigger tube, a resistor-capacitor filter associated with the cathode of the trigger tube and the control grid of the power tube whereby the time duration of each impulse fed to the power tube is lengthened, and a counter having an actuating coil with inductive characteristics connected to the plate of and energized by the firing of the power tube.

2,470,927
FASTENING MEANS
William C. Hale, Jr., Chester, Pa., assignor to South Chester Corporation, Chester, Pa., a corporation of Delaware
Application January 10, 1947, Serial No. 721,341
1 Claim. (Cl. 151—21)



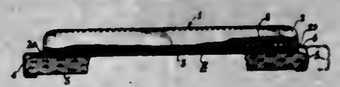
In combination, an apertured panel or the like, fastening means for attaching the panel to another object comprising a screw having a head and a shank with raised threads extending therealong and terminating short of the head, a washer surrounding said shank at its unthreaded portion, said washer being in the form of a thin annular ring having an internal diameter such that it fits over said unthreaded portion of the shank and having a partial radial cut extending from its inner edge towards its outer edge with lips adjacent to said radial cut helically bent out of the normal plane of said annular ring in opposite directions therefrom to conform to the pitch of the screw whereby the washer may enter the screw threads and be progressed along the shank to said unthreaded portion only by relative rotation between the screw and washer; and said washer being of such material and thinness that it may readily be flattened, while so positioned on the screw, to prevent its withdrawal, said panel or like element to be fastened being disposed between said screw head and washer and having an aperture larger than the threaded portion of the shank, and the unthreaded portion of the shank being of a length substantially corresponding to the combined thickness of the elements, including said panel and washer, assembled thereon whereby the screw may be maintained in a position at right angles to said elements.

2,470,928
SPEED RESPONSIVE MEANS
Allan C. Halter, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 24, 1946, Serial No. 671,977
13 Claims. (Cl. 200—92)



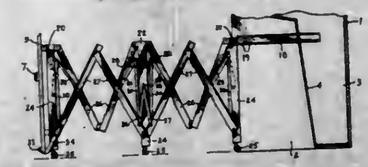
1. In combination: electrically conducting means mounted for rotation; an element actuatable by rotation of said conducting means; means for biasing said conducting means in a given direction to an initial position; means for providing a rotating magnetic field, so constructed and arranged that a predetermined speed of rotation of said field causes induction of current in said conducting means resulting in rotation of said conducting means against said biasing means to move said element from said initial position to a predetermined position; and means causing reduction in the amount of said field effective to cause rotation of said conducting means in response to rotation of said conducting means.

2,470,929
DETACHABLE SEAT CUSHION
Jacque E. Horn, New York, N. Y.
Application April 17, 1947, Serial No. 742,095
5 Claims. (Cl. 155—182)



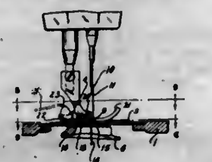
1. A detachable seat cushion comprising, in combination, a flexible container, a cushion within said container, a hook-mounting member disposed transversely across said container at the middle portion thereof to provide a seat cushion having flexible ends at opposite sides of said transverse mounting member, a relatively stationary hook projecting from one end of said mounting member and extending through said container at the middle of one side edge thereof, a lock-controlled extensible hook mounted at the opposite end of said mounting member and slidably movable through slots in the wall of said container at the opposite edge of said detachable seat cushion, and a controlling lock for releasably locking said extensible hook to said mounting member.

2,470,930
FOLDING BED
Walter Jasinski, Grand Junction, Mich., assignor of one-third to Anna Jasinski, one-third to Robert Jasin, and one-third to Raymond Jasin, all of Grand Junction, Mich.
Application March 24, 1947, Serial No. 736,640
6 Claims. (Cl. 5—175)



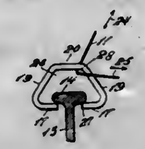
1. A folding bed, comprising three rigid upright cross supports for the ends and the middle of the bed, upper and lower side rail portions pivotally connected to the sides of said cross supports, adjacent upper side rail portions hingedly connected to form a downwardly folding half of the corresponding upper side rail, adjacent lower side rail portions hingedly connected to form an upwardly folding half of the corresponding lower side rail, link systems, each comprising a pair of pivotally interconnected links pivotally connected to an upper side rail portion and the adjacent side of said cross supports and a third link pivotally connected to the juncture of said pair of links and having a lost motion connection with the opposed lower side rail portion in a manner to form a self-locking spider bracing to support said upper side rail portions in a horizontal position upon full extension of said bed.

2,470,931
SEWING MACHINE
Alvin A. Jennings, Lebanon, Mo., assignor to Rice-Stix Dry Goods Company, St. Louis, Mo., a corporation of Missouri
Application May 10, 1946, Serial No. 668,849
6 Claims. (Cl. 112—253)



1. In a sewing machine of the kind described having a needle, a single longitudinally tiltable presser foot extending forwardly and rearwardly of said needle, a feed dog with a row of feed teeth disposed beneath said presser foot, and a throat plate having a slot therein for said feed teeth, the improvement which consists in aranging said slot with its rear end disposed forwardly of the rear end portion of said presser foot, whereby the rear end portion of said presser foot is adapted when the work passes from beneath said presser foot and draws the needle and bobbin threads rearwardly over the throat plate to clamp said threads to the portion of the throat plate located rearwardly of said slot and thus prevent unthreading of the needle, retraction of the bobbin thread or breakage of said threads when the needle is operated without the work in position to be engaged thereby.

2,470,932
RING TRAVELER
Henry G. Joseph, Cranston, R. I., assignor to Victor Ring Traveler Company, a corporation of Rhode Island
Application July 25, 1946, Serial No. 686,244
3 Claims. (Cl. 57—125)



1. A ring traveler of uniform cross section for a horizontal ring comprising horns extending inwardly toward each other in substantial alignment and a bow portion joining said horns with a central portion parallel to said horns and straight side portions joining said central portion and horns, said straight side portions being at an obtuse angle to said center portion and at an acute angle to said horns.

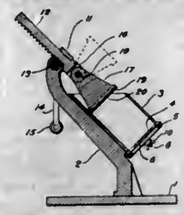
2,470,933
FLEXIBLE-SURFACED BONE CONDUCTION HEARING AID UNIT
Hugh S. Knowles, River Forest, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application June 5, 1944, Serial No. 538,809
4 Claims. (Cl. 179—107)

4. In a hearing aid unit of the bone conduction type, a casing having a recess therein, and elastic material substantially filling said recess and having a concave outer surface to fit smoothly



over a substantial area of the mastoid bone of a user.

2,470,934
POTATO SLICER
Edward F. La Bat, San Pablo, Calif.
Application September 25, 1946, Serial No. 699,132
2 Claims. (Cl. 146—169)



1. A potato cutter comprising a standard having an upwardly sloping position an initially open-ended container mounted on said sloping position parallel thereto and with its lower end hanging clear, a cutting grill over said lower end of the container, the bottom wall of the container at its upper end extending further than the top wall, a pressure plate normally resting on the bottom wall for movement lengthwise into the container, a rack bar slidably guided in the standard back of the plate, means pivoting the plate on the adjacent end of the bar for upward swinging movement of the latter when retracted clear of the top wall of the container, and means to advance and retract the rack bar and plate.

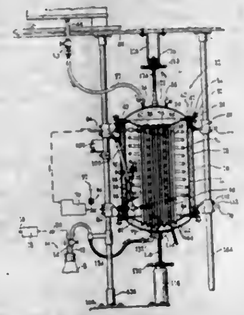
2,470,935
ALLOY ADDITION AGENTS
Arthur Linz, New York, N. Y., assignor to Climax Molybdenum Company, New York, N. Y., a corporation of Delaware
No Drawing. Application September 3, 1947, Serial No. 772,011
7 Claims. (Cl. 75—27)

1. A self-reducing alloy addition agent comprising a mixture of an oxide of a metal selected from the group consisting of molybdenum, chromium, tungsten and vanadium, and calcium carbide, said particles of calcium carbide being stabilized by a coating of a waterproofing carbonaceous material which acts as a reducing agent for the metal oxide.

2,470,936
APPARATUS FOR CHILLING FLUIDS
Salvatore Lo Gerfo, Brooklyn, N. Y.
Application April 13, 1944, Serial No. 530,793
6 Claims. (Cl. 62—141)

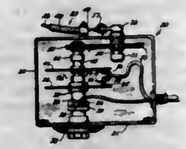
1. A cooler of the character described for chilling a fluid, said cooler comprising an enclosure

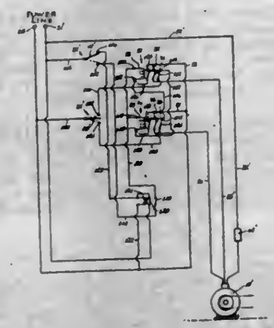
adapted to house a liquid of low freezing point, a bank of fluid-passing tubes running through said enclosure, and means in said enclosure form-



ing a refrigerant passageway around a plurality of said tubes, the outlet end of each tube being restricted so as to impede the passage of fluid therethrough.

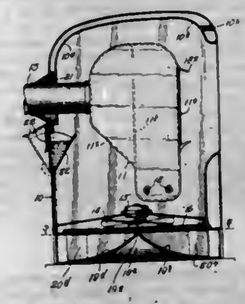
2,470,937
ELECTRIC MOTOR PRESET CONTROL
Glen Malcom, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application May 22, 1946, Serial No. 671,619
15 Claims. (Cl. 318—31)





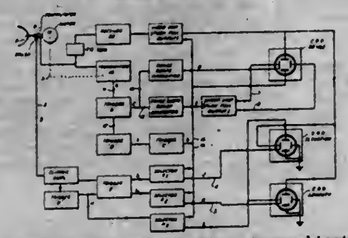
1. In a mechanism for positioning a load accurately in response to manipulation of a control member, a reversible electric motor connected to shift said load, forward and reverse circuits for alternatively energizing said motor, a switch dominating both said circuits, a selector switch connected to activate either of said circuits alternatively, an oppositely shiftable control member, operatively connected to said selector switch to activate one of said circuits upon movement in one direction and to activate the other of said circuits upon movement in the other direction, other means operatively connected to said control member and actuated, by movement of said control member in either direction, to close said first-named switch, whereby said motor is energized, and further means driven by said motor independently of said control member to follow said other means to open said first-named switch after movement of said last-named means to a degree determined by the degree of movement of said other means.

2,470,938
WARM AIR SPACE HEATER WITH AIR CIRCULATING BLOWER
Mark C. McAfee, Wichita, Kans.
Application July 17, 1944, Serial No. 545,338
2 Claims. (Cl. 126—110)



1. In a circulatory heater comprising a housing having means adapted to support the housing in spaced relation to a floor upon which the heater is adapted to be supported, said housing having a downwardly facing inlet opening in its bottom near the floor, said housing having an air outlet opening, heating means located within the housing, and a blower for drawing air in said inlet, passing it in heat exchange relation with the heating means, and forcing it out said air outlet opening, air flow guiding means including: baffle means between the floor and said inlet opening, this baffle means including a plurality of generally triangular portions curved inwardly and upwardly for effecting a gradual and smooth change in direction of air moving along the floor and into the inlet, these triangular portions having their apices meeting at a point adjacent the center of the housing and their lower and broader ends adjacent the floor upon which the device rests and parallel thereto, and a plurality of vertical partition portions for preventing swirls of air beneath said inlet, these partition portions extending up from the junctions of the sides of adjacent triangular portions, said baffle means being adjacent the housing supporting means and directly below said inlet opening.

2,470,939
RADIO DETECTION AND LOCATION SYSTEM INDICATING AZIMUTH AND ELEVATION
William A. Miller, Port Jefferson, and Eugene B. Shenk, Brooklyn, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application September 3, 1943, Serial No. 501,050
11 Claims. (Cl. 343—11)



4. In a radio locating system, in combination, a rotatable antenna, a pulse transmitter coupled to said antenna and adapted to produce pulses at a faster rate than the speed of rotation of said antenna, and common drive means for synchronizing the rotation of said antenna with the operation of said transmitter, whereby said transmitter sends out a pulse for each quadrant of the circle of rotation of said antenna, a receiver coupled to said antenna, first, second and third cathode ray oscilloscopes having ray deflection elements coupled to the output of said receiver, a control grid for each of said oscilloscopes, a saw-tooth sweep generator coupled only to said first oscilloscope, and circuits synchronously operated with said drive means and coupled to said control grids for rendering said second and third oscilloscopes alternately visible and said first oscilloscope visible at all times that said second and third oscilloscopes are visible.

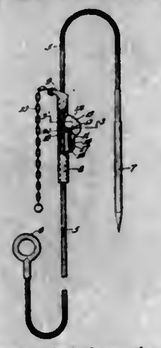
2,470,940
PIPE CLEANER
Clarence H. Mosher, Sacramento County, Calif. Substituted for abandoned application Serial No. 523,149, February 19, 1944. This application April 25, 1947, Serial No. 743,863
2 Claims. (Cl. 285—211)



1. A pipe cleaner of the character described, comprising a sleeve adapted for fastening upon the discharge end of a faucet and having a shoulder adapted to receive a washer for bearing upon the faucet, an angular extension of the sleeve having a groove in the end wall thereof, and a washer disposed in the groove and adapted to have the bowl of a pipe bear thereagainst.

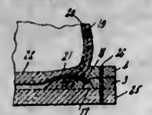
2,470,941
FISH STRINGER
Kenneth L. Orton, St. Paul, Minn.
Application April 27, 1945, Serial No. 590,533
4 Claims. (Cl. 224—7)

1. In a fish stringer, an elongated flexible element upon which fish are to be strung, a socketed member for removably receiving said flexible element and having means thereon for attachment to a support, and a cam-like catch pivotally



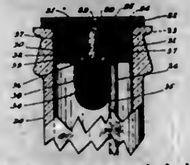
mounted on said socketed member and swingable into and out of said member to releasably secure said flexible element in said socketed member.

2,470,942
SHOE WELT
Emil R. Ouimet, Brockton, Mass.
Application October 23, 1946, Serial No. 705,065
3 Claims. (Cl. 36—78)



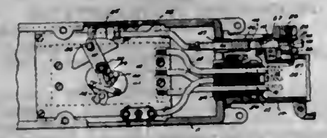
1. A welt comprising a pair of superposed leather strips cemented together in face to face relation with their flesh faces in mutual contact, the upper and wider of said strips extending inwardly and downwardly beyond and spaced from the adjacent edge of the lower and narrower strip, said space providing an inseam-receiving groove.

2,470,943
APPARATUS FOR CLARIFYING FLUIDS
Bruno Page, New York, N. Y., assignor, by mesne assignments, to William R. Warner & Co., Inc., New York, N. Y., a corporation of Delaware
Application December 14, 1945, Serial No. 634,935
1 Claim. (Cl. 210—170)



Apparatus for dispensing whole blood comprising a container having an open mouth, a stopper seated within said mouth, said stopper having an opening for withdrawing the container contents and an opening for insertion of a vent tube, a recess in the lower face of said stopper surrounding said first mentioned opening, a cylindrically shaped, extensible straining member secured at one end to the lower face of said stopper in said recess and closed at the other end to protect said first mentioned opening from the interior of the container, means depending from said first mentioned opening in the stopper for supporting said straining member, said supporting means including a spring maintained in coiled position when the supporting means is retained in said opening but being adapted to extend when the supporting means is forced from said opening to cause the straining member to assume an extended position.

2,470,944
INTERLOCK MECHANISM FOR SWITCH AND RECEPTACLE UNITS
Willard E. Parish, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application August 14, 1946, Serial No. 690,383
6 Claims. (Cl. 200—50)



1. An interlock mechanism for a switch and plug comprising a switch and plug receptacle housing, a switch and receptacle mounted in said housing, switch actuating mechanism operable to move said switch into on and off positions, a plug lock member mounted in the receptacle and movable into and out of plug engaging position and operable when in plug engaging position to prevent insertion of a plug in the receptacle, and to lock a plug positioned in the receptacle against withdrawal therefrom, a plug lock control member movable manually exteriorly of the casing independently of said switch actuating mechanism to move said plug lock member out of plug locking engagement, a retaining member operable to hold said control member in such position to maintain the plug lock member out of engagement and being operable upon insertion of a plug in the receptacle to release said control member and permit the plug lock member to move into plug locking engagement, and said switch actuating mechanism being cooperable with said control member to prevent such manual movement thereof when the switch is in the on position.

2,470,945
DI(ORTHOACYLAMINOARYL) DISULFIDE SOFTENERS FOR RUBBERS
Philip T. Paul, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 26, 1945, Serial No. 574,817
18 Claims. (Cl. 260—30.8)

1. A composition of matter comprising a rubber selected from the group consisting of natural rubber, polymers of butadienes-1,3, and copolymers of butadienes-1,3 with a compound which contains a $CH_2=C<$ group and is copolymerizable with butadienes-1,3, and, as a softener therefor, a di(orthoacylaminoaryl) disulfide, the said di(orthoacylaminoaryl) disulfide being present in a quantity not more than 5 parts per 100 parts of said rubber.

2,470,946
2,2'-DITHIO BIS (N-ARYL CARBAMIC ESTER) SOFTENERS FOR RUBBERS
Philip T. Paul and Lyndon B. Tewksbury, Jr., Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 15, 1945, Serial No. 582,988
18 Claims. (Cl. 260—30.8)

1. A composition of matter comprising material selected from the group consisting of natural rubber, synthetic rubber polymers of butadienes-1,3 themselves, and synthetic rubber copolymers of butadienes-1,3 with a compound which contains a single $CH_2=C<$ group and is copolymerizable with butadienes-1,3, and, as a softener therefor, a 2,2'-dithio bis (N-aryl carbamic ester) in which the carboxyl groups are linked to aliphatic carbon atoms of radicals containing not more than 12 carbon atoms and selected from the group consisting of alkyl, haloalkyl, alkoxyalkyl, cycloalkyl and aralkyl radicals, the said 2,2'-dithio bis (N-aryl carbamic ester) being present in a quantity not more than 5 parts per 100 parts of the rubber.

2,470,947
2,2'-DITHIO BIS PROPIONANILIDE SOFTENER FOR RUBBERS
Philip T. Paul, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Original application January 26, 1945, Serial No. 574,817. Divided and this application February 6, 1947, Serial No. 726,955
16 Claims. (Cl. 260—30.8)

1. A composition of matter comprising a rubber selected from the group consisting of natural rubber, polymers of butadienes-1,3, and copolymers of butadienes-1,3 with a compound which contains a $CH_2=C<$ group and is copolymerizable with butadienes-1,3, with which is admixed .5 to 5 parts of 2,2'-dithio bis propionanilide per 100 parts of said rubber.

2,470,948
DI(ORTHOACYLAMINOARYL)DISULFIDE SOFTENERS FOR RUBBERS
Philip T. Paul, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Original application January 26, 1945, Serial No. 574,817. Divided and this application February 6, 1947, Serial No. 726,956
17 Claims. (Cl. 260—30.8)

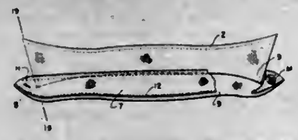
17. A composition of matter comprising a rubber selected from the group consisting of natural rubber, polymers of butadienes-1,3, and copolymers of butadienes-1,3 with a compound which contains a $CH_2=C<$ group and is copolymerizable with butadienes-1,3, and, as a softener therefor, a di(2-aroylaminophenyl) disulfide, the said di(2-aroylaminophenyl) disulfide being present in a quantity not more than 5 parts per 100 parts of said rubber.

2,470,949
DI(ORTHOACYLAMINOARYL) DISULFIDE SOFTENERS FOR ISOOLEFIN-DIOLEFIN COPOLYMERS
Philip T. Paul, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 8, 1947, Serial No. 727,301
16 Claims. (Cl. 260—30.8)

1. A composition of matter comprising a rub-

bery copolymer of a major proportion of an isoolefin having not more than 6 carbon atoms and a minor proportion of a conjugated diene having not more than 6 carbon atoms and, as a softener therefor, a di(orthoacylaminoaryl) disulfide, the said di(orthoacylaminoaryl) disulfide being present in a quantity not more than 5 parts per 100 parts of said copolymer.

2,470,950
SHIRT COLLAR CONSTRUCTION
Edward C. Pfeffer, Jr., Troy, N. Y., assignor to Cluett, Peabody and Co., Inc., Troy, N. Y., a corporation of New York
Application February 15, 1946, Serial No. 647,919
9 Claims. (Cl. 2—131)

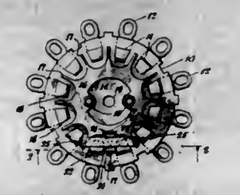


1. A turn-down shirt collar having a neckband part and a relatively stiff top part connected together by a seam, said neckband part having a button near one of its ends and a button hole near the other of its ends by which the neckband part may be secured in closed loop condition, said top part having its end portions only extending into and partly across the neckband part, beyond said seam that connects the top and neckband parts, at least approximately to the theoretical straight line of said neckband part connecting the center of the button and the outer end of the button hole.

8. A turn-down shirt collar having a top and a neckband connected together by a seam, with a fold line close to and generally parallel with the seam junction between said top and neckband, the neckband having a button hole in an end thereof and a fastener at the other end of the neckband, each end portion of said top extending beyond said seam and into the neckband solely for a distance less than about one-fourth the length of the neckband, each of said extending portions being generally triangular in shape with one side of the triangle in approximate end to end alignment with the adjacent end edge of the top part, and another side adjacent and generally parallel to the fold line, and each of said portions also extending from the fold line toward the opposite edge of the neckband, at least approximately to a theoretical straight line through the outer end of the buttonhole and the center of said fastener.

2,470,951
STATOR CONSTRUCTION FOR SWITCHES
George O. Puerner, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application November 21, 1944, Serial No. 564,440
5 Claims. (Cl. 200—11)

1. A rotary switch comprising in combination a stator plate, a plurality of individual contacts spacedly mounted on said plate at a uniform distance from each other and from the center of said plate, at least one common contact mounted on said plate, at least one bridging contact slidably displaceable with respect to said contacts adapted to selectively connect said individual contacts to said common contact, and extensions integrally formed with said common contact protruding into the interspaces between adjoining individual contacts to prevent the bridging con-



tact from dropping into the said interspaces while passing from one individual contact to the next one.

2,470,952
PRODUCTION OF CHLORINATED SYNTHETIC RUBBERS
Theron P. Remy, Los Angeles, Calif.
No Drawing. Application February 7, 1945, Serial No. 576,711
2 Claims. (Cl. 260—85.1)

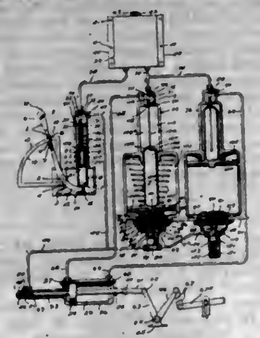
1. The process of production of chlorinated rubbers from butadiene-styrene copolymers which comprises reacting chlorine with a dispersion of said copolymer with carbon tetrachloride which contains a metallic napthenate from the group consisting of sodium napthenate and copper napthenate, said napthenate to be present in amounts from 0.1% to 10.0%.

2,470,953
ALKYD RESIN-OXIDIZED BUTADIENE POLYMER EMULSION
John W. Robertson, Englewood, and John B. Rust, East Hanover, N. J., assignors, by direct and mesne assignments, of one-half to Montclair Research Corporation, Montclair, N. J., a corporation of New Jersey, and one-half to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application August 31, 1946, Serial No. 694,412
9 Claims. (Cl. 260—7.5)

1. A composition capable of depositing a heat-sensitive non-tacky flexible film on textile fibers, which comprises a fusible oil-modified alkyd resin emulsion, and an emulsion obtained by adding a peroxide to an emulsion of a soluble tacky butadiene polymer and heating until the polymer reaches a stage where it is insoluble and non-tacky.

2,470,954
PNEUMATIC HYDRAULIC TRAVEL CONTROL APPARATUS
Edward A. Rockwell, Cleveland, Ohio
Application June 4, 1943, Serial No. 489,711
17 Claims. (Cl. 60—54.5)

17. In combination, a part to be moved, means for applying a varying degree of hydraulic pressure, a source of fluid pressure differing from the atmospheric pressure, controlled thereby, fluid pressure operated apparatus, including a valve mechanism, constructed to receive the said fluid pressure and apply a hydraulic pressure so as to move said part in one direction, and a fluid pressure operated device, including a valve mechanism, constructed to receive the said fluid pressure and deliver a hydraulic pressure so as to move said part in the opposite direction, the valve mechanism of said apparatus and the valve mechanism of said device being connected together

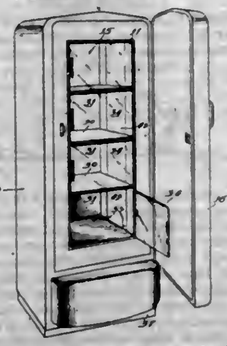


hydraulically for respective hydraulic self-adjustment independently of each other.

2,470,955
PROTEIN HYDROLYSATE CONTAINING ESSENTIAL AMINO ACIDS AND PROCESS FOR THE PREPARATION THEREOF
Melville Sahyun, St. Johns, Mich., assignor to Sterling Drug Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 3, 1948, Serial No. 30,972
15 Claims. (Cl. 195—29)

1. In a method for the preparation of an amino acids composition containing a relatively high proportion of the naturally-occurring tryptophane present in a protein material, the steps of fermenting carbohydrate material present in the protein material and then hydrolyzing the protein material with acid, to give an amino acids mixture which retains naturally-occurring tryptophane present in the protein material.

2,470,956
REFRIGERATOR UNIT
Clinton W. Savidge, Minneapolis, Minn., assignor to Franklin Transformer Manufacturing Company, Minneapolis, Minn., a copartnership
Application August 1, 1945, Serial No. 608,216
7 Claims. (Cl. 62—116)

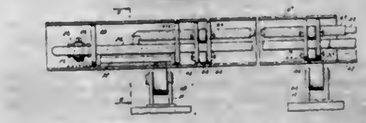


1. A refrigerator comprising a double walled, heat insulated cabinet formed to provide a food storage chamber and having a door affording access to the interior of said chamber, each of a pair of opposite vertical walls of the cabinet being formed with an upright, elongated cavity, contiguous to said chamber, for accommodating an evaporator unit therein, and a refrigerating mechanism disengageably associated with the cabinet and having a pair of spaced apart, upright evaporator units telescopically mounted in said cavities for refrigerating said storage chamber.

2,470,957
SOFT SOLDERING FLUX
James E. Strader, Columbus, Ohio, assignor to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
No Drawing. Application August 27, 1945, Serial No. 613,023
14 Claims. (Cl. 148—25)

1. A soft solder flux comprising a mixture of a glutamic acid compound and an organic amino compound.

2,470,958
METHOD OF COATING PIPE
Russell C. Stromquist, Westfield, N. J., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application October 25, 1945, Serial No. 624,458
2 Claims. (Cl. 117—49)

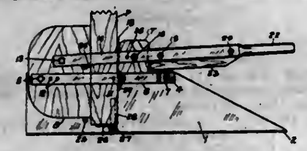


2. In the method of obtaining a substantially continuous uniform coating of bitumen on the interior of a metal pipe of substantial length by first applying heat to the pipe and subsequently applying the bitumen in a melted state; the improvement which comprises rotating the pipe, simultaneously with the rotation of the pipe applying intense local heat successively to portions of the interior surface of the pipe to be coated, the intensity and duration of the heat applied to such successive portions being correlated so as to raise uniformly the skin only of the successive portions of the pipe to a temperature at which bitumen will adhere without appreciably raising the temperature of the body of the pipe wall underlying the heated skin, causing relative motion between the source of heat and the pipe in a direction longitudinally of the pipe and simultaneously applying the hot melted bitumen to the successively heated portions of the pipe immediately after the application of the heat thereto and while said successive portions of the pipe are at such temperature.

2,470,959
APPARATUS FOR FORMING THE ENDS OF WOOD PIECES
Joseph W. Swenson, Summit, N. J.
Application May 12, 1944, Serial No. 535,303
10 Claims. (Cl. 144—30)

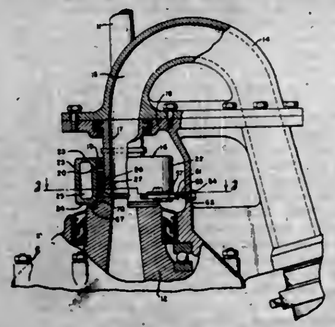
1. An apparatus for forming the ends of fence pickets including, a support, a rigid fixed bar fastened at one end to the support and extending longitudinally of the support in spaced relation thereto, the bar having its opposite end fastened to the support by a pivot stud, a member carried on said pivot stud between the bar and support

and having an engagement edge to receive one edge of a picket, a positioning stop for said member fastened to the support, a pair of spaced bars extending on opposite sides of said member above said fixed bar and pivoted to the member nearer said engagement edge than the said pivot stud for the purpose described, a grip block fixedly carried between said pair of bars to grip, between itself and said member, a picket adapted to be passed between said pair of bars, the block



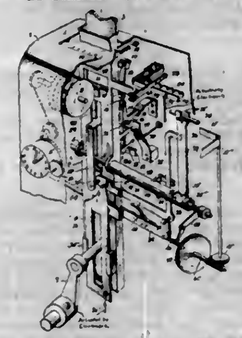
and said member, a stop carried by the support for the end of the picket, a cutter carried between the fixed bar and the support so as to engage the picket and cut it on a curve when the picket is moved in the manner described by the conjoint action of said member and the block, means for lifting the bars carrying said grip block, and means carried by said member for engagement by said pair of bars when they are brought back to starting position for returning said member to starting position against its stop.

2,470,960
AUTOMATIC WASH PIPE OILER FOR ROTARY SWIVELS
Guglielmo R. Tremolada, Los Angeles, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application July 20, 1946, Serial No. 685,065
9 Claims. (Cl. 285—97.1)



1. The combination with a rotary swivel of the character described having a shell, a pipe supporting rotatable member carried by said shell, said member having a passage therethrough, means on said shell for supporting a wash pipe above said rotatable member in axial alignment therewith; of a wash pipe sealing device on the upper end of said rotatable member having walls defining a packing opening to receive the lower portion of said wash pipe and rotating with said member; a packing means in said opening comprising a plurality of annular lips facing toward the open end of said wash pipe and engaging the same; walls forming an annular oil reservoir surrounding said opening, a pump-receiving recess having a valved oil inlet passage communicating with said reservoir and a valved discharge passage communicating with said packing opening so as to deliver oil into said packing means at a point spaced from the end of said wash pipe; a pump unit insertable in said recess, comprising a pump cylinder and a pump piston member operative in said cylinder; a lever pivoted on said device for reciprocating said piston member, said lever having an external engageable face; and means on said shell to engage said engageable face and actuate said lever when said device rotates as the result of rotation of said rotatable member.

2,470,961
CARD HOLDER ACTUATED TIME RECORDER
Philipp Vannini, Zug, Switzerland, assignor to Landis & Gyr, A. G., Zug, Switzerland, a corporation of Switzerland
Application February 19, 1945, Serial No. 578,699
In Switzerland August 18, 1944
11 Claims. (Cl. 346—78)



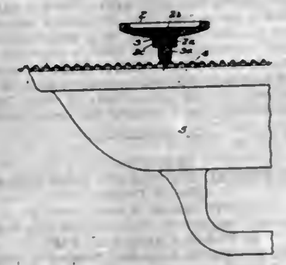
1. In a workman's time recorder, a time controlled printing mechanism, a movable card holder, detent means operating on the card holder and releasable by insertion of a card in the card holder, and means actuated by movement of the card holder for operating the printing mechanism.

2,470,962
FIGURINE BALL PROJECTOR
Harvey M. Wescott, South Westport, Mass.
Application September 26, 1946, Serial No. 699,403
1 Claim. (Cl. 124—7)



A game apparatus comprising a board, a figure mounted on said board adjacent one end thereof and facing the other end thereof, said figure having an arm depending therefrom and pivoted thereto, said arm having a cup-shaped ball receptacle at the lower end thereof adapted to receive a ball, means for swinging said arm in a rearward direction through an arc, resilient means normally urging said arm in a forward direction, a limit stop to the forward swinging of said arm, said first-named means being releasable and upon release thereof after swinging said arm through said arc in the rearward direction permitting said resilient means to swing said arm suddenly through said arc thereby causing said arm to eject said ball in a forward direction, said board having a transverse slot therethrough, said figure having spaced downward projections registering slidably in said slot, said figure thereby being slidable on said board in a transverse direction, said arm having a pivot pin on its upper extremity pivotally mounted on said figure, a cross-arm secured to said pin, said resilient means comprising a spring having one end anchored to the figure and the other end anchored to one end of said cross-arm, said board having a passage through the end thereof extending into and at right angles to said slot, said first-named means comprising a flexible cord having one end anchored to the other end of said cross-arm and extending from said figure through said slot and said passage out of said board, the other end of said cord being adapted to be held in the hands and pulled.

2,470,963
ATTACHMENT OF BUTTONS TO FABRIC
Bernard A. Weyl, Pittsburgh, Pa.
Application December 21, 1943, Serial No. 515,102
6 Claims. (Cl. 24—90)

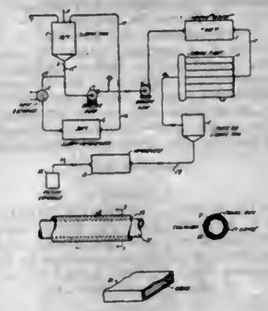


6. In combination, a fabric, a button of relatively high melting point material having an integral annular bottom portion of the same material, the bottom surface of said portion being disposed in contiguous relationship with the fabric, and a thermoplastic material of relatively low melting point filling the opening of said annular portion and mushroomed through the fabric and onto said bottom surface of said bottom portion to form a rigid localized bond between the button and fabric.

2,470,964
ROSIN ACID ESTERS
Harold Witticoff, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application June 16, 1945,
Serial No. 599,949
10 Claims. (Cl. 260—104)

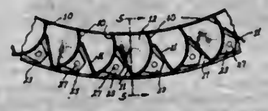
1. A rosin acid ester of a polyhydroxy condensation product resulting from the condensation of formaldehyde and a ketone, in which the molal ratio of formaldehyde to ketone is not substantially less than one mole of formaldehyde per mole of active hydrogen in the ketone.

2,470,965
MANUFACTURE OF GREASE
Harold A. Woods, Wallace J. Yates, and Leendert Klingen, Martinez, and Robert C. Barton, Piedmont, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 18, 1947, Serial No. 722,846
16 Claims. (Cl. 252—40)



16. In a process of preparing alkali and alkaline earth metal soap greases, wherein the hot grease is rapidly and uniformly cooled, the improvement which comprises forcing the hot liquid state grease from an enclosed heating and mixing zone directly into a zone of restricted cross-section having a thickness of not more than about 4 inches and cooled by suitable means, said grease being kept in said cooling zone and cooled statically therein substantially at a uniform and uninterrupted rate for a period sufficient for the grease to form a pronounced gel structure throughout and have a desired texture and uniform consistency.

2,470,966
ROTOR
John H. Abbott, Los Angeles, and John W. Anger, Maywood, Calif., assignors to Utility Appliance Corp., Los Angeles, Calif., a corporation of California
Application September 28, 1945, Serial No. 619,030
6 Claims. (Cl. 230—134)



1. A rotor for a rotary blower including a plurality of adjacent elongated vanes having substantially parallel longitudinal axes, said vanes being disposed in spaced relationship along a circular line and being so positioned relative thereto that one longitudinal edge of each vane is disposed inwardly of the line and the other longitudinal edge thereof is disposed outwardly of the line to define a substantially cylindrical rotor having a longitudinal axis which is substantially parallel to the longitudinal axes of said vanes, adjacent ends of adjacent vanes being joined by narrow segments each of which is joined at one end to one vane and at the other end to an adjacent vane, said segments not having any connection with any other part of the rotor, each end of each vane having a separate

radial tab which is formed integrally therewith and is substantially perpendicular to the longitudinal axes of said vanes.

2,470,967
YEAST TREATMENT
Donald Kenneth Alexander, Dolbeau, Quebec, Canada
No Drawing. Application November 21, 1947, Serial No. 787,469
4 Claims. (Cl. 99—14)

1. A method of treating yeast for subsequent extraction therefrom of stable, biologically active proteinaceous and like substances which comprises thoroughly admixing diatomaceous silica with an aqueous suspension of yeast, filtering the mixture, and drying and comminuting to a fine powder the resultant filter cake.

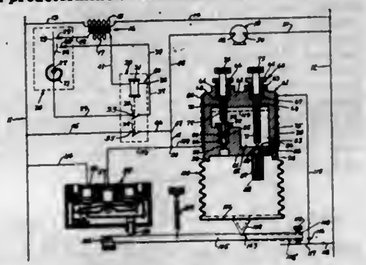
2,470,968
RHEOSTAT CONTROL DEVICE
Leonard E. Aske, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 27, 1945, Serial No. 601,815
17 Claims. (Cl. 201—48)



1. A manually operable controller of the class described which includes: a fixed member; a first movable member pivotally attached to said fixed member for movement in a first plane; a first spring means urging said first movable member to a predetermined normal position; a second movable member adapted for manual actuation and pivotally attached to said first movable member for movement with respect to said latter member in a plane at an angle to said first plane; a second spring means urging said second movable member to a predetermined normal position whereby a greater force is required to move said second member about the axis of said second member than about the axis of said first member; a first variable impedance controlled by movement of said first movable member; and a second variable impedance controlled by movement of said second movable member.

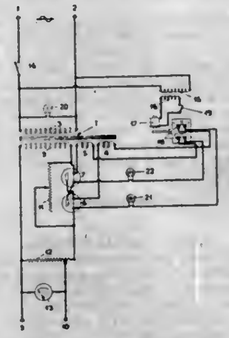
2,470,969
HYDRAULIC STOKER CONTROL
Albert E. Baak, Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 9, 1943, Serial No. 497,897
19 Claims. (Cl. 236—46)

1. A stoker control system comprising a stoker motor, a first switch connected in circuit with the stoker motor for controlling the operation of said motor in response to calls for heat, a second switch connected in circuit with said motor for operating it to maintain combustion in the stoker, thermal means for operating said second switch including an expansible bulb, a reservoir chamber above said bulb, a fluid in said bulb and reservoir, fluid connection means between said reservoir and bulb, flow regulating means in said fluid connection means for restricting the flow to a predetermined rate in each direction between



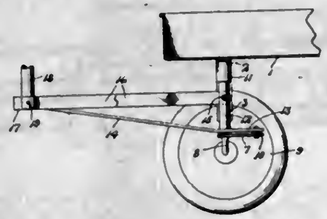
said bulb and reservoir, an electrical heater element for said reservoir connected to said first switch, said second switch means also in circuit with said heater element, said switch means being closed so as to energize the heater and motor when the expansible bulb is in a contracted condition and open when said bulb is expanded to a predetermined amount, and means for controlling said first and said second named circuits to cause a selectively greater expansion of said bulb by said first circuit than by said second circuit.

2,470,970
ELECTRICAL APPARATUS FOR USE IN OBSTETRICS
Frederic Benoit, Vassy, France
Application August 10, 1945, Serial No. 610,130
In France October 12, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 12, 1963
8 Claims. (Cl. 128—407)



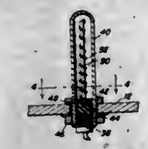
5. In an apparatus as claimed in claim 1, the provision of an electrode adapted for use at the point of utilization and comprising a thin tin folio, a thick plate of sponge rubber carrying said folio, a lead wire passing through said rubber and adapted to connect the tin folio with the means feeding the current to the point of utilization and a belt of elastic fabric carrying the plate of sponge rubber, and adapted for wear by the patient.

2,470,971
FRONT WHEEL AND STEERING APPARATUS FOR WAGONS
Clifford L. Blackburn, Grand Rapids, Mich.
Application September 15, 1947, Serial No. 774,051
2 Claims. (Cl. 280—87.01)



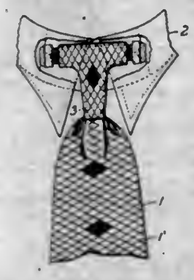
1. In a structure as described, a horizontal bar having a downwardly extending leg at each end thereof, a vertical sleeve secured to each leg, a rod rotatably mounted in and extending through each sleeve, a rearwardly extending arm connected to each rod, a second horizontal bar pivotally connected at its ends to said arms at their rear ends and extending between them, a wheel spindle secured at the lower end of each rod, each having an outwardly extending spindle portion on which a wheel may be rotatably mounted, a vertical rod rotatably connected at its upper end to said first mentioned bar substantially at the middle thereof, a bar secured at the lower end of said rod having an arm extending to the rear thereof, pivotal connections between said arm and said second horizontal bar, said bar secured at the lower end of the last mentioned rod extending upwardly and forwardly at its front portion, a horizontal rod connected with said last mentioned rod extending to either side thereof, a stirrup having sides, the rear ends of which are connected to the end of said horizontal rod, said sides extending forwardly and converging toward each other and joining with a substantially circular loop, said forwardly extending bar having connection with said sides adjacent the loop, and a tongue pivotally connected at one end with said loop and extending upwardly therefrom.

2,470,972
CRANKCASE OIL HEATER
Sam Boger, Dodge City, Kans.
Application May 11, 1948, Serial No. 26,401
1 Claim. (Cl. 219—38)



An electric heater for tanks having a threaded bore comprising a shell threaded externally at the lower open end thereof received in the threaded bore of the tank, an internally threaded portion at the lower open end of said shell, a dielectric core positioned in said shell, a dielectric eternally threaded plug received in said internally threaded portion, a bored bushing threadedly engaged in said internally threaded portion above said plug for holding said core in vertical position, a heating element about said core communicative with said plug, a housing about said plug secured to said tank, and a cable extending into said housing communicative with said plug and an electric source.

2,470,973
NECKTIE AND COLLAR COMBINATION
Ransom Y. Bovee, Van Nuys, Calif., assignor of one-fifth to Earl E. Moore, Los Angeles, Calif.
Application January 1, 1945, Serial No. 570,831
10 Claims. (Cl. 2—137)

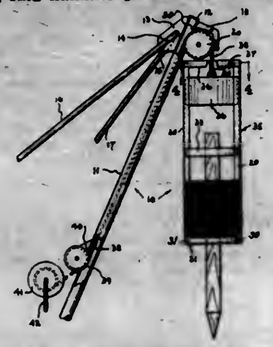


4. In a combination, a quick attaching preformed necktie and a hook-pocket necktie attaching collar adapted to receive hooks adjacent the ends of the neck-band and under the skirted lapels thereof, a preformed necktie secured to a necktie knot-forming fixture, a channel extending through the fixture, a resilient band extending through the channel and secured to hooks at each extremity thereof, said hooks having stop shoulders to prevent them entering the channel by the tension of the resilient band, a compression grip fold in the hooks to engage and hold the resilient band, said stop shoulders on the hooks designed to lean the hooks over for easy catch engagement in the hook-pockets of the collar, and an angle projecting heel upon the knot forming fixture to rest against the front of the collar to project the necktie outward and downward under the attached tension of the resilient band.

2,470,974
POST DRIVER
Willard R. Boydstun, Baker, Oreg.
Application November 3, 1945, Serial No. 626,520
1 Claim. (Cl. 61—73)

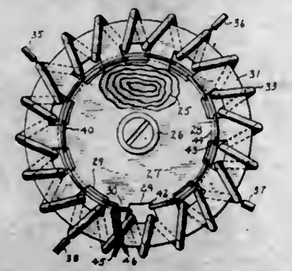
In a pile driver including a boom having a housing at one end and a pulley rotatably mounted in said housing for supporting a hammer engaging line, a hammer guide frame including an upper portion and a lower portion, angle members connecting said portions for guiding a hammer slidable therein, means pivotally securing the upper portion of the hammer guide frame relative to the housing, a hammer slidably and non-rotatably mounted in said hammer guide frame, and hand receiving means carried by said cage for retaining the same at an inclined angle relative

to a ground surface in which a post is being driven, said hammer guide frame being open at



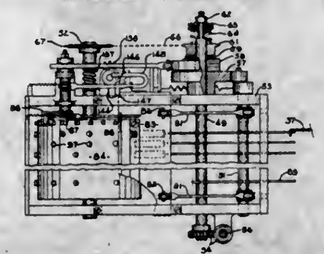
one side facilitating the same to engage an existing fence wire during the driving of a post.

2,470,975
ELECTRICAL APPARATUS
William H. Bussey, Chicago, Ill., assignor, by direct and mesne assignments, to Robert L. Kahn, Glencoe, Ill., as trustee
Application October 26, 1945, Serial No. 624,849
13 Claims. (Cl. 321—68)



1. A static frequency multiplier having a ferromagnetic core consisting of two body portions connected by a path-defining portion, said path-defining portion containing spaced ferromagnetic teeth elements extending transversely thereof, exciting windings for generating a cyclically moving magnetic field within said core with the magnetic flux extending longitudinally of the teeth and the field as a whole moving transversely to the teeth and lengthwise of the path-defining portion, said path-defining portion having a length corresponding to an integral number of path units, each unit of which has a length corresponding to 360 electromagnetic degrees with reference to exciting current, a path unit containing the following for one output phase; a series of ferromagnetic teeth elements forming an odd number of pole pairs; the exciting field creating two conjugate saturated zones spaced from each other by two spaced conjugate unsaturated zones, the teeth in one saturated zone having a magnetic polarity opposite to that of the teeth in the other saturated zone, each unsaturated zone containing a magnetic neutral region with the two neutral regions spaced 180 electromagnetic degrees apart, each unsaturated zone including substantially no more than one entire pole at one time, winding elements linking all teeth, each winding element having a cooperating tooth and becoming active for generating action when its cooperating tooth is swept by an unsaturated zone, and means for connecting the winding elements corresponding to one pole pair in series with the winding elements corresponding to other pole pairs to output terminals to provide a potential at a multiplied frequency whose step-up ratio is said first-mentioned odd number.

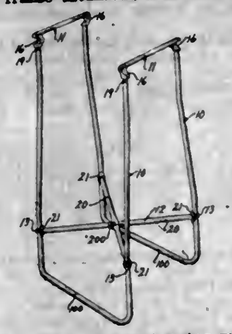
2,470,976
APPARATUS FOR PACKING PRODUCTS OF VARIABLE WEIGHT
Eben H. Carruthers, Warrenton, Oreg., assignor to E. H. Carruthers Co., Warrenton, Oreg., a corporation of Oregon
Application June 11, 1945, Serial No. 598,880
26 Claims. (Cl. 214—16)



16. A machine of the character described in which components have been segregated into groups in accordance with their weight, a stop for each of said weight groups, means for predetermining a plurality of combinations of components, each combination including components from a plurality of segregated weight groups and each of such combinations including components which combine to add substantially to a predetermined total weight, a column of elements, means shiftable by the predetermining means to positions between the elements of the column for increasing the total length of the column, and means actuated by the column when it reaches the proper total length for actuating a plurality of said stops to thereby release components from the corresponding weight groups.

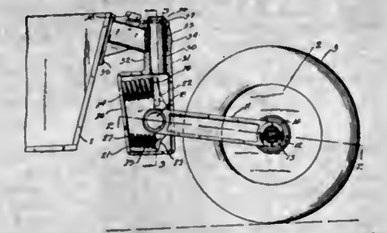
2,470,977
BAG STAND
Charles A. Chidsey, Jr., Detroit, Mich.
Application March 29, 1948, Serial No. 17,777
2 Claims. (Cl. 248—97)

1. A bag stand comprising a pair of tubular U-shaped frame members each having an aperture in the outer side and near the top of the upright portions thereof, a pair of bag retaining bars each including a horizontally disposed flange and a depending anchorage element at the outer ends thereof generally cylindrical in shape, an anchorage button extending from the outer side of each anchorage element of each of the bag retaining bars over which anchorage buttons the said outer side of the upright portions of the said U-shaped frame members are engaged when assembled onto the said bag retaining bars with the said anchorage elements thereof telescoped into the said tubular U-shaped frame members and with the said anchorage buttons disposed through the said apertures in the said tubular U-shaped frame members, and an X-type bag



supporting floor and cross bracing member disposed and secured between the said pair of tubular U-shaped frame members.

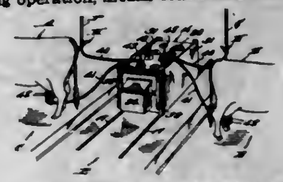
2,470,978
TRAILER CASTER
Stanley R. Du Brie, Detroit, Mich., assignor to Detroit Engineering Laboratories, Inc., Detroit, Mich., a corporation of Michigan
Application September 21, 1946, Serial No. 698,536
6 Claims. (Cl. 16—44)



1. In a caster assembly of the type comprising a support arm having a wheel journalled on an axle at the rear end of said support arm and a horizontal pivotal support for the front end of said support arm, means for controlling the pivotal movement of said support arm comprising a pair of diametrically opposed seats mounted on the front end of said arm above and below the pivotal support for the front end of said support arm, a coil spring mounted on the upper seat for carrying the load imposed on said wheel and a coil spring mounted on the lower seat and adapted to serve as a shock absorber, said springs extending forwardly from said seats beyond the front end of said support arm.

2,470,979
MEANS FOR MILKING DOMESTIC FARM ANIMALS AND FOR TEMPORARILY STORING MILK AND COOLING IT
George R. Duncan, Washington, Mo.
Application June 13, 1946, Serial No. 676,368
11 Claims. (Cl. 31—58)

1. A system for simultaneously milking a domestic farm animal and for cooling and storing the milk, without handling, in cans as it comes from the animal comprising a container for holding a milk can in an upright position, a milking machine including a first conduit means adapted for connection to a source of minus pressure, a second conduit means having teat cups for connection to the teats of the animal's udder, closure means closing the open end of said can and for permitting a minus pressure therein during the milking operation, means connecting both of said



conduit means to said closure means and to the interior of said can, whereby minus pressure may be applied to said teat cups through said first conduit means, said receptacle interior and said second conduit means, and controllable mechanical refrigerating and cooling means operatively connected to said container for continuously cooling the milk and removing body heat therefrom during the milking operation and maintaining a predetermined temperature.

2,470,980
COMBINATION BUTTON
Frank Hajny, Newburgh, N. Y.
Application January 7, 1947, Serial No. 720,623
3 Claims. (Cl. 24—113)

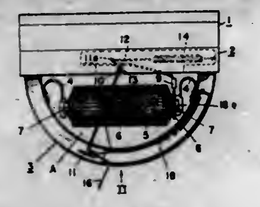


3. A disc-like button comprising a flat primary section and an auxiliary flat section, said sections contactng tightly together throughout their entire inner faces, said primary section being provided with parallel grooves on its inner face only, each of said grooves closed at its inner end and open at its outer end upon the marginal edge of said primary section, said auxiliary section being provided with parallel tongues on its inner face only, said tongues having their inner ends rounded and their outer ends registering with the marginal edge of said auxiliary section, said primary section being provided with an elongated shallow recess only in its inner face between said parallel grooves, and thread-receiving apertures extending at right angles from said shallow recess through said primary section to its outer face, whereby thread in said apertures and shallow recess will frictionally engage said auxiliary section and act as a brake to prevent accidental separation of said sections.

2,470,981
SHUTTLE FOR NARROW WARE LOOMS
Frederik A. Hardick, Enschede, Netherlands
Application June 11, 1947, Serial No. 754,000
In the Netherlands February 26, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 26, 1966
6 Claims. (Cl. 139—199)

1. A shuttle for a ribbon loom or the like having a positive weft drive comprising a body mem-

ber, a semi-circular bow secured to said body member forming a semi-circular bobbin receiving opening, said bow being trough shaped in cross-section, resilient bearing members in said opening, a bobbin releasably secured in said bearing members, said trough-shaped bow having a



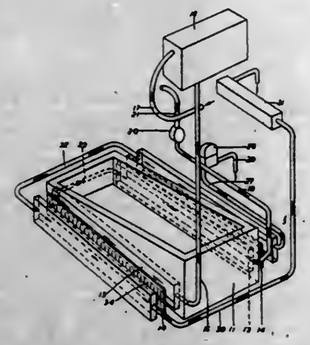
thread guide opening in each side wall thereof, an entrance in the side walls of said bow connecting with said openings in the side walls for insertion of thread from said bobbin and means for closing said entrances.

2,470,982

WATER-COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES AND THE LIKE

Lawrence Hathaway, Oswestry, England, assignor to Coventry Climax Engines Limited, Coventry, England, a British company

Application January 20, 1947, Serial No. 722,998
In Great Britain January 21, 1946
7 Claims. (Cl. 123—170)



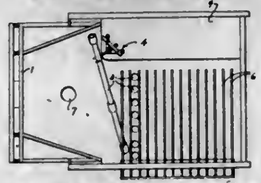
1. A water-cooling system of the closed-circuit type for an internal combustion or like engine, comprising a pair of chambers having intimate contact with one another and one of said chambers having intimate contact with a part of the said engine, means for connecting opposite ends of one of the pair of chambers to the closed-circuit cooling-system of the engine so that it is in series with and forms a part of the said closed circuit, means for supplying cooling liquid from an exterior source of supply to one end of the other chamber and means connected to the opposite end of said other chamber to discharge the cooling liquid therefrom.

2,470,983

SUPPORT AND GUIDE FOR DRILL STEMS

Will S. Hendricks, Wichita Falls, Tex., assignor of one-half to Peyton Castillow, Wichita Falls, Tex.

Application December 12, 1945, Serial No. 634,591
6 Claims. (Cl. 214—1)



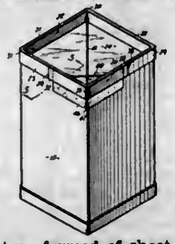
4. In a pipe holding device for mounting within a derrick, a base, a pair of arms pivotally mounted on said base and movable with respect thereto, each of said arms having an inturned hook at the outer end thereof for receiving pipe therebetween, means for locking said hooks about said pipe, resilient means for normally urging together the inwardly extending arms, said hooks being releasable from said locking means upon upward movement of said hooks so as to permit the arms to be spread apart for release of said pipe from between said hooks when said pipe is moved upward.

2,470,984

CONTAINER CONSTRUCTION

Raymond H. Horning and Isaac L. Wilcox, Fulton, N. Y., assignors to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York

Application September 7, 1944, Serial No. 552,940
10 Claims. (Cl. 229—5.5)



1. A container formed of sheet material comprising a tubular body, a top closure formed at its periphery with an inverted channel to receive the top edge of the body, the major portion of said channel being sealed to the top edge of the body and the remaining portion being unsealed thereto, the outer wall of the unsealed portion of said channel being weakened intermediate the ends of said portion, a strip of thin sheet material positioned intermediate said unsealed portion of the channel and the adjacent top edge of the body and extending across said weakened part, said strip being sealed to the inner surface of the walls of said channel and being unsealed to the adjacent top edge of the body.

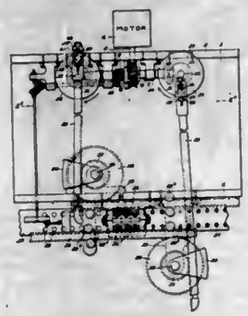
2,470,985

GEARING FOR DRIVING A PLURALITY OF SPINDLES

Arthur Ilsche, Rye, N. Y.

Application March 1, 1946, Serial No. 651,129
7 Claims. (Cl. 74—389)

1. Gearing for operating a spindle assembly the spindles of which are arranged in cooperating pairs and the spindles of each pair in axially aligned relation presenting two cooperating sets of spindles adapted to be driven independently of each other, the said gearing comprising a transmission train for each set of spindles, each train including a plurality of rack bars operatively connected through interposed means to be reciprocated one by the other and terminating in a plurality of pinions driven by one of the afore-



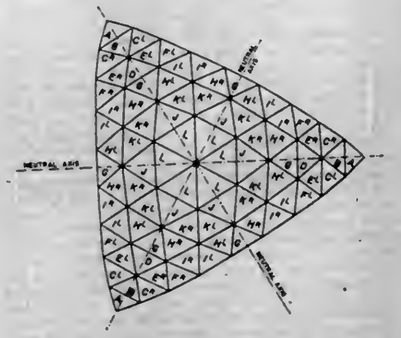
said rack bars, the reciprocation of which periodically reverses the direction of rotation of the pinions, the said pinions being individually mounted fast on the individual spindles of one of the aforesaid sets of spindles, driving means for the trains adapted to impart different speeds of rotation to the two sets of spindles, and an automatic feed for each spindle responsive to rotation thereof for periodically advancing and retracting the two sets of spindles with relation to each other.

2,470,986

INSULATION FOR SPHERICAL TANK SHELLS AND METHOD OF MAKING THE SAME

James O. Jackson, Crafton, Pa., assignor to Pittsburgh-Des Moines Company, a corporation of Pennsylvania

Application January 16, 1947, Serial No. 722,468
8 Claims. (Cl. 154—28)



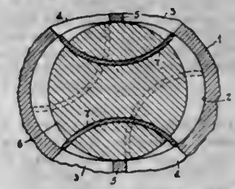
3. An insulating lining for a spherical tank shell, comprising triangular pieces of slab-like insulating material arranged in edge abutting relation in twelve groups, each of which has an outline approximating the outline of a figure obtained on a spherical surface by intersecting such surface by radial planes which include the edges of one face of a regular convex dodecahedron circumscribed by such spherical surface.

2,470,987

ROTARY PUMP STATOR

James P. Johnson, Shaker Heights, Ohio

Application September 3, 1947, Serial No. 771,887
9 Claims. (Cl. 103—135)



1. A stator for a rotary pump formed with a bore of cross-section which in part comprises a curved line constituting a portion of an Archimedes' spiral, a straight line tangent to one end of such curved line, and another line tangent to the other end of such curved line.

2,470,988

METHOD OF HEAT TREATMENT

Jerome J. Kanter, Palos Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

No Drawing. Application March 15, 1946, Serial No. 654,808
12 Claims. (Cl. 148—14)

1. In a process of the character described, the steps consisting of contacting an article of ferrous material with a ferrous contacting material to purify the ferrous article of interstitially dissolved elements, the contact taking place in a range of elevated temperatures below the A_1 transformation point of the said ferrous article and above the A_1 transformation point of the said ferritic contacting material for a period of time during which a substantial rate of migration of an interstitially dissolved element having lower solubility in ferrite than in austenite is attained from the ferrite to the austenite, the said ferrous contacting material being austenitic at the treating temperature whilst the said ferrous article remains ferritic.

2,470,989

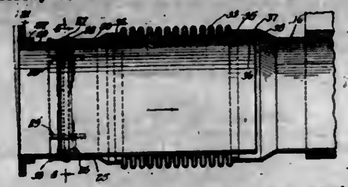
FLEXIBLE CONNECTOR

Sidney Keller, Park Ridge, and David Wendell Fentress, Barrington, Ill., assignors to Chicago Metal Hose Corporation, Maywood, Ill., a corporation of Illinois

Application December 16, 1943, Serial No. 514,482
2 Claims. (Cl. 285—97.3)

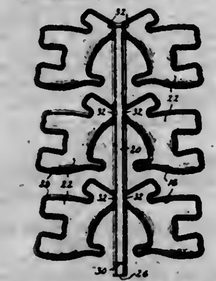
1. A conduit comprising a pair of conduit members arranged in longitudinal continuation, and swivel means for connecting said conduit members for rotary motion relative to each other, said swivel means comprising a pair of concentrically disposed outer and inner band members, said band members being provided with registering inwardly and outwardly directed annular grooves whereby to provide an an-

nular recess between the band members, and an annular ring member disposed within said recess whereby to form a swivel connection between



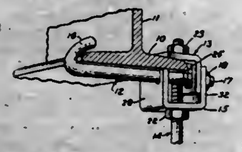
said band members, one of said band members being provided with at least one longitudinally extending slit to facilitate the assembly of the band members with respect to the ring member.

2,470,990
METHOD OF MAKING INFLATED ARTICLES
Frank H. Kennedy, New York, N. Y.
Application August 31, 1948, Serial No. 47,121
12 Claims. (Cl. 154—85)



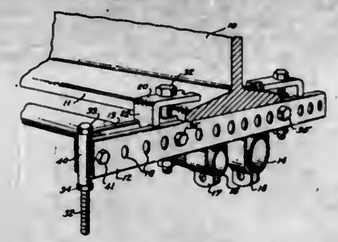
1. A method of making fluid containing bodies from heat sealable plastic sheet material comprising superimposing layers of said material, uniting proximate areas of said layers by heat sealing to form a plurality of inflatable envelopes and a manifold interconnecting them with a common fluid inlet, introducing fluid through said inlet and manifold into said envelopes, and closing said envelopes with respect to said inlet by heat sealing.

2,470,991
ADJUSTABLE BEAM CLAMP
Harry L. Kindorf and Orlan C. Kindorf, San Francisco, Calif.
Application January 13, 1948, Serial No. 2,054
6 Claims. (Cl. 248—72)



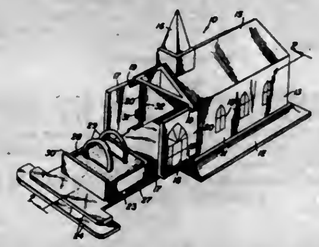
1. A beam clamp comprising a rod having a hooked end engageable over one edge of a beam flange, a hook plate slidable on the rod to engage the opposite edge of the flange, a nut threaded on the rod to urge the hook plate toward the flange edge, and means to urge the hook plate toward the rod and into firm contact with the flange.

2,470,992
BEAM CLAMP FOR CONDUIT SUPPORTS
Harry L. Kinderf and Orlan C. Kinderf, San Francisco, Calif.
Application January 13, 1948, Serial No. 2,055
5 Claims. (Cl. 248—72)



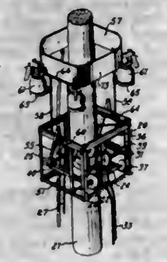
1. Means to clamp a slotted conduit support or the like to a beam flange comprising a U-shaped member secured to the conduit support within the slot thereof, an angle member having an edge resting on the support and an edge overlying the beam flange, and means passing through both members to engage the flange between the support and the angle member.

2,470,993
CABINET HAVING COMBINED DOORS AND SLIDABLE SHELF
Melvin L. Kramer, Newark, N. J., assignor to Marjorie Kramer, Newark, N. J.
Application December 4, 1947, Serial No. 789,665
1 Claim. (Cl. 312—186)



A horizontally elongated container having an open end and including a pair of spaced side walls, a pair of coacting doors provided at the open end of said container and swingable laterally on vertical hinge pins, an elongated panel slidable longitudinally in and out of said container through the open end of the latter, a transverse wall provided on and extending upwardly from an intermediate portion of said panel, said transverse wall being engageable with said doors whereby the latter may be swung from their closed to their open positions when the panel is slid outwardly from the container, and means for automatically closing said doors when the panel is slid inwardly and for locking the closed doors until the panel is again withdrawn, said means comprising a pair of blocks secured to inner surfaces of the doors adjacent the hinge pins, said side walls being formed with block receiving recesses disposed adjacent the ends of said transverse wall when said panel is slid inwardly, the sliding of said panel into said container engaging end portions of said transverse wall with said blocks to effect closing of said doors, whereupon said blocks are received in said recesses and are locked therein by the ends of said transverse wall.

2,470,994
FLAG POLE PAINTING APPARATUS
Daniel Kremko and Joseph Podufaly, Detroit, Mich.
Application June 1, 1946, Serial No. 673,771
6 Claims. (Cl. 91—45)



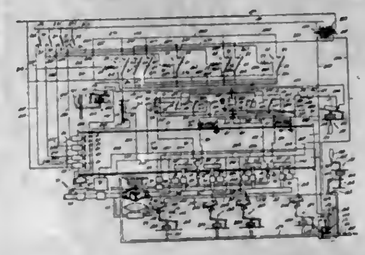
1. A flag pole painting machine of the kind described, said machine including a cage having a set of rollers in stationary brackets and frictionally abutting a pole from one side, and a set of rollers on a movable shaft and frictionally abutting the pole from the other side, means to rotate the rollers in unison by a cable operable from the ground to vary the vertical position of the cage with respect to the pole, a frame slidingly seated on top of the cage, a plurality of paint sprayers mounted on the frame, and directed towards the pole, pivoted arms connecting the frame to the movable shaft and means operable by a cable from the ground to shift with respect to the cage both the movable shaft with the rollers thereon into a frictional engagement with the pole and the frame with the sprayers to maintain the pole in central position with relation to the sprayers, and pneumatic means controlled from the ground to operate the sprayers.

2,470,995
FISHLINE SINKER
Henry J. Lesser, Seattle, Wash.
Application March 4, 1946, Serial No. 651,684
2 Claims. (Cl. 43—52)



1. In a fish line sinker, a sinker body; a resilient friction clip secured to an end portion of said sinker body adapted to frictionally and releasably grip a fish line; and two bail shaped fish line engaging members carried by said sinker body and extending longitudinally thereof, each fish line engaging member comprising two spaced apart end members embedded in said sinker body and protruding therefrom and a substantially straight bar portion connecting said two end members, the end members of one bail shaped member being spaced a short distance inwardly from the end members of the other bail shaped member and the bar portions of said two bail shaped members being positioned relatively close together in substantially parallel relation with both bar portions spaced a substantial distance from the sinker body and with one bar portion closer to the sinker body than the other and with the bar portion of the shorter bail shaped member extending longitudinally of the sinker body substantially between the sinker body and the bar portion of the longer bail shaped member, said bail shaped members being adapted to receive therebetween a portion of a fish line remote from the ends thereof to removably engage the sinker body with the fish line.

2,470,996
BURNER CONTROL SYSTEM
William L. McGrath, Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 26, 1942, Serial No. 463,340
15 Claims. (Cl. 236—1)

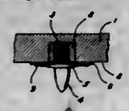


2. In a fluid fuel burner control system, a plurality of burners, an electrically operated shut-off valve for controlling the flow of fuel to all of said burners, a pneumatically operated valve for also controlling the flow of fuel to all of said burners, means responsive to a controlling condition indicative of the demand for burner operation for gradually controlling the pressure of the pneumatic fluid associated with said pneumatically operated valve so as to cause said valve to be modulated between maximum and minimum open positions, further electrically operated valves individually controlling the flow of fuel to said burners, pneumatically operated switches controlling said further valves to cause them to open sequentially as the pneumatic pressure changes, an electro-pneumatic relay for causing said further valves to close and said pneumatically operated valve to move to minimum position independently of said condition responsive means when said relay is deenergized, energizing means for both said electrically operated valve and said electro-pneumatic relay, and means including a main controlling switch effective when moved to one position to cause simultaneous deenergization of said electrically operated valve and said electro-pneumatic relay.

2,470,997
SHOE SPIKE
Robert McKenzie, Glendale, Calif.
Application February 4, 1946, Serial No. 645,270
4 Claims. (Cl. 36—59)

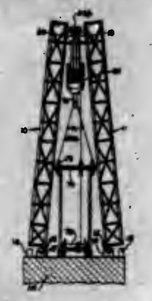
1. In combination: a shoe spike having a shank and a flange disposed around the shank; and a plate adapted to be disposed between the flange and the bottom of the shoe, said plate being in the form of a piece separate from the spike, and

having an area extending beyond the flange, said area having a ridge spaced from the flange and



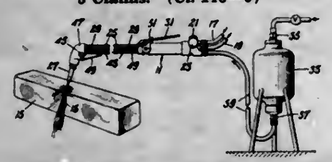
surrounding the spike in a manner to provide additional ground gripping surface.

2,470,998
PORTABLE MAST
Robert H. McPherson, Lynwood, Calif.
Application October 8, 1945, Serial No. 621,105
1 Claim. (Cl. 189—15)



In a portable mast of the class described, comprising: a pair of legs, each leg comprising an upper and lower section of generally rectilinear cross-section, said sections being so constructed and arranged that the sections will telescope together; means hinging the upper sections together adjacent their upper ends; pivoting members on adjacent inner corners of one side of the mast; complementary supporting members fixed to a base; supporting members for the opposite inner corners for supporting the mast when it is raised from a prone to an upright position while the leg sections are telescoped; and supporting means for the outer sides of the lower ends of the lower sections when the legs are extended.

2,470,999
THERMOCHEMICAL METAL REMOVAL
Edward Meincke, Scotch Plains, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application July 28, 1944, Serial No. 547,062
3 Claims. (Cl. 148—9)

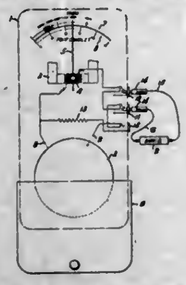


1. A method of rapidly initiating and effecting a thermochemical metal-removing reaction along a selected path on a ferrous metal body which is readily amenable to ordinary thermochemical metal-removing procedures wherein only a jet of oxygen and a preheating flame are progressively applied against initial and successive portions of said metal body, said method comprising first heating to its oxygen-ignition temperature a selected region of said body at which said metal-removing reaction is to begin by concurrently directing together against said region a jet of metal-removing oxygen, a preheating flame, and finely-divided burning combustible metallic adjuvant powder to cause said powder to impart its heat of combustion to said region whereby said body is heated substantially instantaneously to the oxygen-ignition temperature thereof in said region; then interrupting the supply of adjuvant powder to said region immediately after said body has become ignited therein; and thereafter continuing the thermochemical metal-removing reaction by directing only said jet of metal-removing oxygen and said preheating flame against successive portions of said body along said path in a direction away from said region.

2,471,000
ALUMINA GEL PELLETS
Joseph U. Messenger, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application May 23, 1947, Serial No. 750,171
10 Claims. (Cl. 252—448)

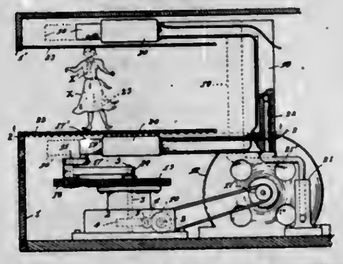
1. The process of preparing spheroidal particles of alumina gel which comprises forming a hydrosol of alumina, maintaining a body of water-immiscible liquid above a body of an aqueous solution of a base capable of converting said hydrosol to a gel, introducing said hydrosol to said body of water-immiscible liquid in a manner to produce sol globules whereby said globules assume spheroidal shape due to surface tension and pass through the interface into said aqueous solution and are thereby caused to gel to form spheroidal particles of alumina hydrogel and maintaining in said aqueous liquid a substantial amount of an inert water soluble organic liquid capable of reducing the density differential and the interfacial tension between the bodies of water-immiscible liquid and aqueous solution.

2,471,001
COMBINED OHMMETER AND ILLUMINATION METER
John H. Miller, Short Hills, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application October 2, 1944, Serial No. 556,857
5 Claims. (Cl. 175—183)



1. In an electrical measuring instrument, a current-generating photocell, a measuring instrument having scale means comprising a scale graduated in resistance values, said instrument including a permanent magnet establishing a magnetic field and a coil pivotally mounted for movement in said magnetic field and carrying a pointer movable along said scale means, terminal members across which a resistance may be connected for measurement of its magnitude, circuit elements connecting said photocell and moving coil in series circuit with said terminal members, and adjustable light shield means for controlling the light reaching said photocell to regulate the current output to bring the instrument pointer to the zero scale graduation when said terminal members are short-circuited.

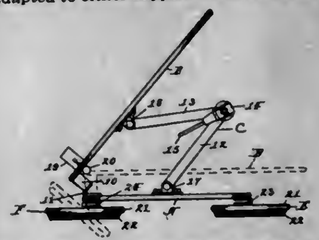
2,471,002
ANIMATED DISPLAY DEVICE
George F. Mohr, Peoria, Ill.
Application February 13, 1946, Serial No. 647,255
5 Claims. (Cl. 46—45)



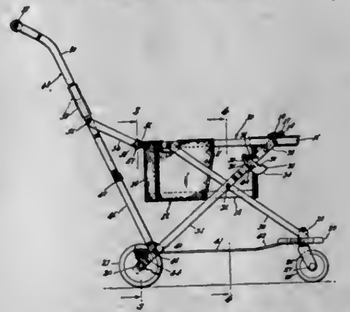
1. A device of the nature described including in its construction an electro U-shaped magnet mounted to swing, driving mechanism in operative engagement therewith including a rotatable member mounted for orbital movement about a common point in a horizontal plane, and itself rotatable, a part fixed with respect to said member and rotatable therewith, the said magnet being pivotally connected to said part distant from the axis of rotation of said member, the opposite poles of the magnet lying in a vertical plane, an armature-figure interposed between said poles, a magnet coil winding on each pole of the magnet, the number of ampere turns of the windings on the upper pole being greater than the number of turns on the lower pole, thus tending to counteract the weight of the armature-figure by a predominating magnetic attraction in said upper pole, and means for maintaining said armature-figure in spaced relation to the upper of the two poles in opposition to the magnetic attraction of that pole for the armature-figure.

2,471,003
FOLDING LAP TABLE
William Monahan, Los Angeles, Calif.
Application March 8, 1948, Serial No. 13,609
2 Claims. (Cl. 311—23)

2. A folding lap table, comprising a relatively thin horizontal base plate, a relatively thin rest plate, said plates being hinged together along their rearward transverse edges to permit upward forwardly inclined adjustment of said rest plate on said base plate, brace arm means having links foldably secured together in selectable angular adjustment between and to said plates, a pair of relatively thin friction shoe plates extended lengthwise substantially the width of and below said base plate and hingedly connected along their medial portions to the front and rearward edges of said base plate, said shoe plates being adapted to either support the base plate horizontally in the lap or as a brace at selected inclination between the lap and breast portions of the user, and the rest plate is adapted to be held at selected inclination on the base plate.



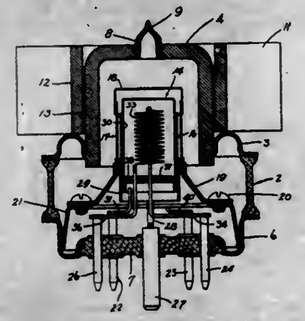
2,471,004
BABY STROLLER-WALKER
Robert Moster, Rushville, Ind.
Application May 21, 1946, Serial No. 671,135
3 Claims. (Cl. 280—36)



1. A collapsible baby stroller-walker comprising, a top frame portion, a seat carried by said top frame, a bottom portion including front and rear wheel carrying members, wheels mounted on said wheel carrying members, a handle supported by said top and bottom portions, two side frame portions each composed of two bars crossed and pivoted together at their points of intersection, one of the said two cross bars in each side frame portion and its corresponding cross bar in the other side frame portion being pivotally secured to the top frame and fastened to the front wheel carrying member, the other of the said two cross bars in each side frame portion and its corresponding cross bar in the other side frame portion each having one end thereof pivotally secured to the said rear wheel carrying member and each having the other end thereof terminating short of its corresponding side of the top frame portion, a pair of tie bars each having one end thereof pivotally secured to the top frame portion with the other end thereof free for movement, each of the said shorter cross bars being pivotally secured to its corresponding tie bar intermediate the ends thereof, an L-shaped locking element for each of said tie bars having one leg secured to the inner face of each tie bar and ex-

tending therebeyond and the other leg of each locking element extending across a side edge of its tie bar and associated short cross bar, thereby permitting the adjacent portions of each tie bar and its short cross bar to lie in overlapped longitudinal alignment when the frame is in its extended position, a lever pivotally secured to each of said short cross bars and having a portion extending beyond each side of its short cross bar, a spring having one end connected to each short cross bar and its opposite end connected to one of the extended portions of its lever, the other extended portion of each lever constituting a handle for swinging the lever against the tension of its spring, the handle portion of each of said levers being provided with a cutaway portion for receiving the second mentioned leg of its L-shaped locking element.

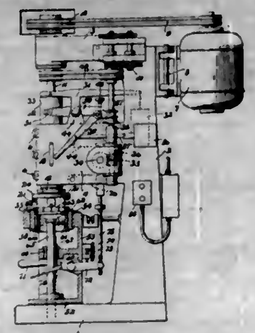
2,471,005
BASE STRUCTURE FOR ELECTRON TUBES
Robert L. Norton, Belmont, Calif., assignor to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application August 27, 1946, Serial No. 693,223
4 Claims. (Cl. 250—27.5)



1. An electron tube comprising an envelope including a metallic ring and a disk-like vitreous header sealed along its periphery to said ring, a contact prong disposed centrally of the ring and sealed to the header, said prong having an inner end projecting into the envelope and an outer contact end projecting externally of the envelope, and electrodes in the envelope including a control grid connected to and supported by the inner end of the prong and a screen grid connected to said ring.

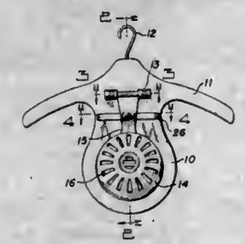
2,471,006
PISTON RING BORING AND BEVELING MACHINE
Holly M. Olson, Muskegon, Mich., assignor to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan
Application December 14, 1946, Serial No. 716,267
1 Claim. (Cl. 77—1)

In a machine of the class described, a vertically positioned sleeve adapted to hold a plurality of parted piston rings in compressed condition, means for periodically moving all of said rings upwardly in said sleeve a distance equal to the thickness of a ring whereby one ring is ejected from said sleeve at each such movement, means for machining the uppermost of said rings in said sleeve between said periodical movements, and a block fixed above said sleeve close to the ring opening therein, whereby upon ejection of a



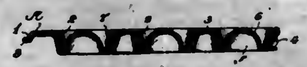
ring and sudden expansion thereof it will strike said block and bounce away from the sleeve.

2,471,007
COAT HANGER
Frank Pasznicki, Hamtramck, Mich.
Application February 8, 1946, Serial No. 646,251
1 Claim. (Cl. 223—85)



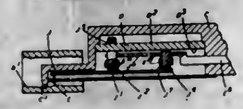
A hanger of the kind described including a flat body member provided with arms extending laterally therefrom in opposite directions for suspension of a coat, a semi-spherical shell to fit over the crown of a hat and a narrow strip extending radially from said shell and hinged at its upper end to the surface of said flat body member at a point midway said arms, the strip having an upwardly forming curl to accommodate the upwardly turning brim of the hat, the open side of the shell tending to abut by gravity, the surface of said flat body portion.

2,471,008
BATH MAT
George E. Pretty, Coshocton, Ohio, assignor to The Pretty-Scheffer Company, Coshocton, Ohio, a corporation of Ohio
Application April 9, 1946, Serial No. 660,629
7 Claims. (Cl. 4—185)



1. A mat of the character described comprising a substantially flat body of resilient material having integral vacuum cup gripping members formed therein upon each of the opposite surfaces of the mat.

2,471,009
APPARATUS FOR MEASURING OR INDICATING THE ROUGHNESS OR UNDULATIONS OF SURFACES
Richard Edmund Reason, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application August 15, 1944, Serial No. 549,580
In Great Britain May 13, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 13, 1963
19 Claims. (Cl. 73—105)



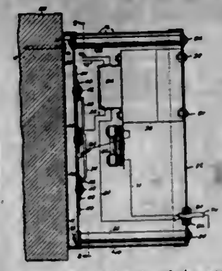
1. Apparatus for measuring the roughnesses or undulations of a surface, comprising in combination a stylus for engaging the surface under test, means for effecting relative movement between the stylus and the test surface whereby the stylus is traversed along said surface, guiding means for constraining the traversing movement to take place substantially parallel to the test surface, a detector member, means whereby the detector member is traversed relatively to the test surface with the stylus but is movable during traversing in accordance with the working movements of the stylus approximately normal to the test surface, a reference member which remains stationary relatively to the test surface during the traversing movement and is provided with a reference surface coupled with the detector member through at least one gap which is caused by the relative movement between the parts to travel along the reference surface during traversing and is varied by the movements of the detector member in accordance with the working movements of the stylus, said reference surface lying substantially parallel to the direction of traversing and constituting a datum with respect to which the working movements of the stylus can be measured, a measuring instrument, and means whereby said variable coupling controls such instrument.

2,471,010
SEALING COMPOSITIONS CONTAINING CHLORINATED DIPHENYL AND GRAPHITE
Laurence L. Rector, Fort Worth, and Charles L. Cron, Houston, Tex.
No Drawing. Application February 26, 1948, Serial No. 11,328
10 Claims. (Cl. 260—37)

1. A sealing composition including, 45% to 55% chlorinated diphenyl containing 45% to 65% chlorine, and 55% to 45% amorphous graphite.

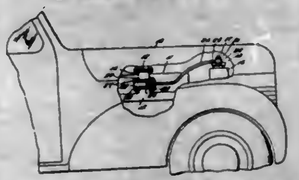
2,471,011
BATTERY CHARGER AND RECTIFIER THEREFOR
Arthur L. Shapiro, Wilmette, Ill.
Application December 19, 1946, Serial No. 717,176
7 Claims. (Cl. 175—363)

1. A battery charger of the type described comprising a housing having a back cover plate and a front cover plate, a transformer mounted on said front cover plate, a plurality of binding posts extending back from said front cover plate, a rectifying unit mounted on said binding posts,



said unit comprising a back plate and a plurality of rectifier plates individually mounted on said back plate.

2,471,012
FUEL SAVING DEVICE
Clifford Spaw, Detroit, Mich.
Application September 14, 1944, Serial No. 554,081
1 Claim. (Cl. 123—25)

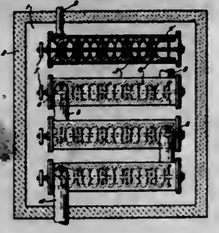


In combination with a humidifying attachment for internal combustion engines having a conduit communicating with a radiator and an intake manifold, a connection for releasably securing said conduit in communication with said radiator including, a radiator cap, a hollow bolt extending through said cap and in open communication with the interior of the radiator, a collar on said bolt on said cap, a lateral bore in said collar communicating with the interior of said bolt, a laterally extending pipe supported by said lateral bore, and adapted for releasable engagement by said conduit.

2,471,013
AMMONIA RECOVERY IN SODA ASH PRODUCTION
John Ross Taylor, Westmount, Quebec, Canada, assignor to Richard Kellogg Wurtele, Goderich, Ontario, Canada
Application June 17, 1944, Serial No. 540,784
In Canada June 24, 1943
1 Claim. (Cl. 23—193)

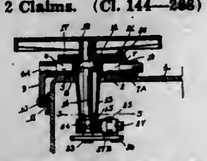
In the production of soda ash, the method of recovering ammonia from filter liquor which comprises maintaining a series of separate bodies of predetermined fixed depth of liquor and lime, continuously feeding a supply of fresh liquor and lime to the first body only of said series, continuously discharging a portion of the last body in the series, continuously withdrawing by gravity flow a portion of the first and intermediate bodies and feeding each withdrawn portion to the next body in the series, separately agitating and sweeping each body to prevent sedimentation therein and to discharge solids with the liquor

in each said withdrawn portion, continuously subjecting all of said bodies to a common heating medium maintained free of contact with the bodies, maintaining each of said bodies free from



contact with external gases to prevent dilution therewith of the liquor and ammonia vapors arising from said bodies, and separately removing said ammonia vapors from each body as it is liberated therefrom.

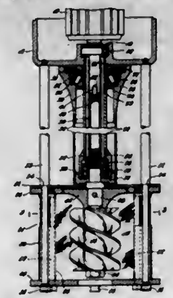
2,471,014
UNIVERSAL WOODWORKING MACHINE TABLE
Henry L. Trebert, Jr., Canandaigua, N. Y.
Application September 21, 1943, Serial No. 503,292
2 Claims. (Cl. 144—266)



2. In a wood working machine, a base, bearings carried by said base, a vertical housing between said bearings, trunnions projecting from opposite sides of the housing through said bearings and mounting the housing for vertical tilting movement, a spindle extending vertically through the housing and rotatably mounted, a work table at the upper end of said spindle, a motor at the lower end of said housing, means for transmitting rotary motion from said motor to said spindle, a bearing bracket carried and shiftable along one trunnion, a manually rotatable shaft carried by said bearing bracket and shiftable with the said bearing bracket into and out of position for imparting rotary motion to the work table and the spindle, a gear carried by the second trunnion, a bearing bracket carried by said base, and a shaft rotatably carried by the last mentioned bearing bracket and carrying a worm meshing with said gear for rotating the trunnions and tilting the spindle to move the work table to an angularly adjusted position.

2,471,015
ENCLOSED SHAFT DRIVE
Jack Watten, London, England
Original application July 21, 1947, Serial No. 762,225. Divided and this application March 29, 1948, Serial No. 17,690. In Great Britain September 11, 1946
3 Claims. (Cl. 308—227)

1. Drive transmitting means for a mixing or emulsifying apparatus having an impeller driven by an electric motor enclosed in a housing, comprising a tube rigidly secured to and extending downwardly from said housing, driving shaft means extending through said tube to the impeller and located by bearings at the lower end of said tube, a casing surrounding said tube, a thrust bearing at the top of said tube to support



said casing, and means at the lower end of said casing for supporting the driving shaft means against axial movement, whereby end loads in said shaft are transmitted through said casing to the tube and motor housing.

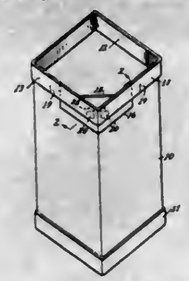
2,471,016
HARD COMPOSITIONS FOR USE IN TOOLS AND METHOD OF MAKING
Beryl Westmoreland-White, Coventry, England, assignor to Messrs. Hard Metal Tools Limited, Coventry, England, a British company
No Drawing. Application July 3, 1945, Serial No. 603,106. In Great Britain May 15, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 23, 1965
6 Claims. (Cl. 106—43)

1. A process of making a hard composition for tools, consisting in adding clay to alumina, the resulting aggregate containing from 1½ to 10 per cent of silica and from 90 to 98½ per cent of alumina, grinding the aggregate with abrasive bodies comprising tungsten carbide until an intimate and finely divided mixture is obtained, compressing the mixture, breaking the compressed product into granules corresponding in size to 10 to 100 meshes, moulding the granulated product under pressure and sintering it at a temperature from 1450 to 1700 degrees centigrade.

2,471,017
CONTAINER
Isaac L. Wilcox, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application December 4, 1946, Serial No. 714,017
4 Claims. (Cl. 229—5.5)

1. A container comprising a body member formed of sheet fibrous material, an end closure having an inverted peripheral channel engaging the inner and outer surfaces of the top edge portion of the body, one of said members being provided with an adhesive material effective to permanently and fixedly seal the channel portion of said end closure member to the contiguous portion of the body member, a strip of material interposed between a portion of said channel member and the contiguous portion of the body member and being non-sealable to said members, said unsealed portion of the top closure member being movable from the body to provide a pour opening, that portion of the strip lying between the confronting surfaces of the outer wall

of the channel and the body being formed with a cut-out to permit a small area of the outer wall of the unsealed portion of the channel member

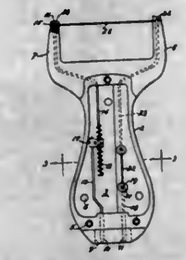


to seal to the body, said seal being effective to hold said unsealed portion of the channel in liquid tight engagement with the top edge of the body.

2,471,018
PRODUCTION OF SALTS OF AMINO METHIONIC ACID
Michael Henry Miller Arnold and William Eric Perry, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 24, 1946, Serial No. 685,910. In Great Britain November 7, 1941
6 Claims. (Cl. 260—513)

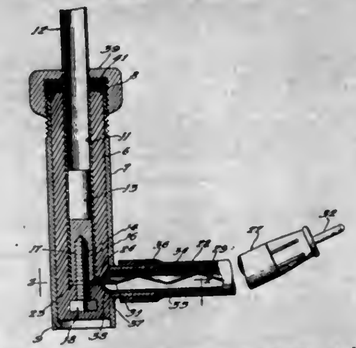
1. A process for the production of alkali metal salts of amino methionic acid, which comprises reacting an alkali metal cyanide and water with the bisulphite of an alkali metal, acidifying the reaction mixture by the addition of sulphur dioxide, whereby the corresponding alkali metal salts of amino methionic acid are precipitated, separating the precipitated salt, and returning the residual liquor to the reaction stage.

2,471,019
SINGEING TOOL
Merle E. Baker, Santa Cruz, Calif.
Application April 24, 1946, Serial No. 664,615
1 Claim. (Cl. 219—29)



An electric hair singeing device, comprising a hollow handle having spaced arms to form a fork, a pair of prongs in the handle for connection to a source of electrical energy, an electric conductor embedded in each fork arm and projecting from the free end thereof in a short stud, each said conductor being connected at its other end to one of said prongs, a variable resistance arranged on one conductor within said hollow handle, a replaceable fuse arranged on one conductor within said handle, a demountable resistance element arranged across the fork arms and connected to the studs, and a removable cover plate on the handle.

2,471,020
RADIO ANTENNA MOUNTING AND CONNECTOR
Harold Z. Benton, Woodstock, Ill.
Application April 25, 1945, Serial No. 590,196
2 Claims. (Cl. 173—324)

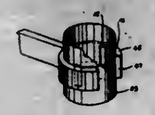


2. A moisture proof junction between a lead wire and an antenna mast for the transmission of radio frequency energy at relatively low wattage between the antenna and the lead wire which comprises, an antenna mast, an insulating plug having a blind cylindrical opening extending into one end thereof to receive and embed an end of said antenna mast, a screw mounted in the other end of said insulating plug and coaxially disposed with and projecting through the bottom of said plug and into the opening thereof, and being threadedly engaged with the inner embedded end of said antenna mast, a metallic housing for said insulating plug, an outlet sleeve carried on one side of said housing adjacent the bottom of said plug opening and connecting into said housing, a terminal strip positioned at the bottom of said plug opening for engagement by the embedded inner end of said antenna mast, an electrical conductor leading from said terminal strip through said outlet sleeve for transmitting radio frequency energy at relatively low wattage to or from said antenna, an insulating tube embracing said conductor and having its end projecting into said outlet sleeve, said tube being heat sealed at its end to said terminal strip, a braided shield enclosing said insulating tube and contacting the end of said outlet sleeve, and an insulating jacket enclosing said shield and the outlet sleeve.

2,471,021
RADIO WAVE GUIDE
William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Original application August 15, 1944, Serial No. 549,618. Divided and this application August 31, 1944, Serial No. 552,174
11 Claims. (Cl. 178—44)

1. In a high frequency system, a first wave guide conducting high frequency energy, a sec-

ond circular wave guide, said first wave guide having two branches extending on opposite sides of said second wave guide, a symmetrical arrangement of slots diametrically opposed in said second circular wave guide, a symmetrical arrangement of slots diametrically opposed in said first wave guide and in juxtaposed relation with



said first mentioned slots in said circular wave guide for providing a coupling between said second circular wave guide and said first wave guide, means for driving said slots from the first wave guide in the same time phase with respect to the TE_{01} mode and in the same phase for exciting the TE_{01} mode in said second wave guide.

2,471,022

PROCESS OF PRESERVING VEGETABLE TANNED LEATHER

Arthur Cheshire, Cottingham, England, assignor to Richard Hodgson and Sons Limited, Beverley, England, a company of Great Britain

No Drawing. Application December 12, 1945, Serial No. 634,611. In Great Britain January 13, 1945

2 Claims. (Cl. 8—94.21)

2. The process of preserving tanned leather which comprises treating vegetable tanned leather with an aqueous solution of oxalic acid and then with an aqueous solution of a calcium salt to precipitate from about 5% to about 10% of calcium oxalate therein.

2,471,023

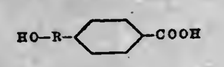
HIGHLY POLYMERIC LINEAR ESTERS

James Gordon Cook, James Tennant Dickson, and Arthur Reginald Lowe, Blackley, Manchester, and John Rex Whinfield, Accrington, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 21, 1946, Serial No. 711,470. In Great Britain December 11, 1945

5 Claims. (Cl. 260—78.3)

1. A process for the manufacture of highly polymeric linear esters which comprises heating a compound from the group consisting of (1) acids of the general formula



wherein R is a divalent radical from the group consisting of $(CH_2)_x$ and $(CH_2)_z—O$ wherein x is an integer not exceeding two and z is an integer greater than 1 but not exceeding 3, (2) ester forming derivatives of said acids, and (3) low molecular weight polymers obtained by heating said acids, the heating of said compound being effected under conditions whereby, at least during the later stages of the reaction, volatile by-products are removed, and being continued until filaments formed from a melt of the product can be permanently extended by cold-drawing into useful fibres.

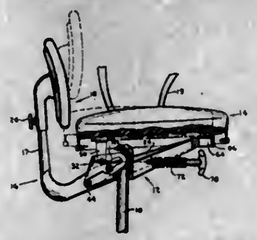
2,471,024

CHAIR WITH TILTING BACK AND AUTOMATICALLY SHIFTABLE SEAT

Roy A. Cramer, Kansas City, Mo.

Application October 4, 1946, Serial No. 701,320

19 Claims. (Cl. 155—77)



1. A chair comprising a support, a seat slidably mounted on said support, a back pivotally connected with the support beneath the seat so as to be capable of tilting movement, and means interconnecting the back and seat for moving the latter forwardly with respect to the support as the back is tilted rearwardly.

2,471,025

OIL BURNER

Börje Konrad Danielsson, Abrahamsberg, and Lars Axel Widing, Goteborg, Sweden, assignors to Aktiebolaget Gotaverken, Goteborg, Sweden, a corporation of Sweden

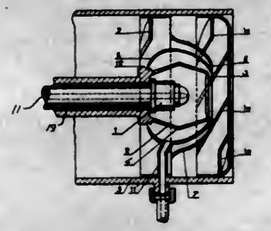
Application March 30, 1945, Serial No. 585,732

In Sweden March 14, 1944

Section 1, Public Law 690, August 8, 1946

Patent expires March 14, 1964

1 Claim. (Cl. 158—73)



In an oil burner, a conduit for combustion air, a nozzle in said conduit for ejecting a spray of fuel oil, a tubular member surrounding said nozzle and spaced therefrom for catching and collecting part of the oil discharged from the nozzle, a hollow guide member outwardly and radially spaced from the tubular member and co-acting therewith to form a passage having an outlet portion extending obliquely toward the longitudinal axis of the nozzle, said passage receiving a minor part of the combustion air in said conduit and having a cross sectional area decreasing toward its outlet, the outer wall of said guide member and the inner wall of said conduit forming a second air passage through which a major part of the combustion air passes, and spaced slanting guide blades connected to the inner wall of said conduit and extending into said second passage to impart rotary motion to the combustion air passing therethrough.

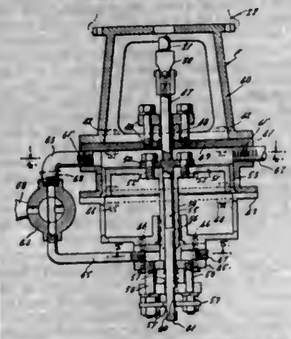
2,471,026

DEVICE FOR DETERMINING THE DEPTH OF LIQUIDS

Ivan D. Eby, New York, N. Y.

Application September 27, 1945, Serial No. 618,880

7 Claims. (Cl. 73—299)



7. An attachment for weighing scales having a frame and a pendent load suspending rod to convert it to a liquid depth measuring device, comprising a dial reading in depth, a scale supported body member having a downwardly opening cylinder and a cylinder closing upper wall provided with a central aperture, and an air supply connection opening into the upper part of the cylinder, a piston freely slidable in the cylinder, the effective area of the piston being predetermined in accordance with the specific gravity of the liquid, and a piston supporting shaft extending through the aperture in the top cylinder wall and connected with the rod whereby the weight of the piston and the apparent load created thereon when air pressure is applied to the upper surface thereof in excess of that applied to its lower surface when the latter pressure equals the pressure on the surface of the liquid whose depth is being measured, whereby the scale reading due to air pressure applied to the top of the piston corresponds with the depth of the liquid at which air bubbles can be released.

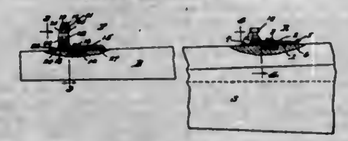
2,471,027

GUN SIGHT

Ambrose H. Evans, Hutchinson, Kans.

Application February 4, 1946, Serial No. 645,265

6 Claims. (Cl. 33—47)



1. A gun sight including front and rear members each including a base pivotally connected intermediate its ends to a gun barrel for lateral swinging movement thereon, whereby to permit reverse positioning of each of the members, parallel elongated upper and lower spaced beads carried by one of the members, and parallel elongated spaced side beads carried by the other member, all of the beads cooperating to define a peep-hole for exposure of the target at which the gun is aimed, the beads of one of the members being of contrasting shades of color at one end, one end of the beads of the other member corresponding with one of said shades, the remaining ends of all of the beads being luminous.

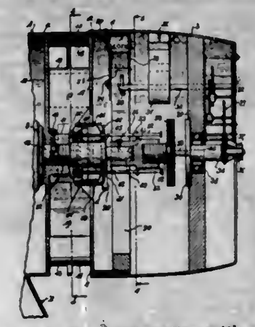
2,471,028

SIREN

John Floyd Fletcher, Cleveland, Miss.

Application December 5, 1945, Serial No. 632,886

6 Claims. (Cl. 116—147)



6. In a siren, the combination with a housing having an annular series of spaced discharge ports formed in a wall thereof, a power driven impeller in the housing for circulating air under pressure and expelling it through said discharge ports at rapidly recurring intervals to produce the usual continuous siren sound, of a control sleeve angularly movable in opposite directions in the housing radially inwardly of and having an annular series of discharge ports spaced to register with the housing discharge ports, the movements of the control sleeve in opposite directions effecting alternate aligning and disaligning of the two series of discharge ports for intermittently interrupting said continuous siren sound, and drive means operated by said impeller for moving the control sleeve at a frequency that is substantially lower than that of the impeller, said drive means including a shiftable clutch member rotatable with the impeller, centrifugally actuated weight means rotating with the impeller and operatively connected to the clutch member to shift the latter when the impeller is rotating in excess of a predetermined speed, a speed reducing gear set having a driving clutch member engaged by the first mentioned clutch member, when it is shifted, to drive the gear set from the impeller, and means at the output end of the gear set for moving the control sleeve.

2,471,029

PORTABLE WELDER

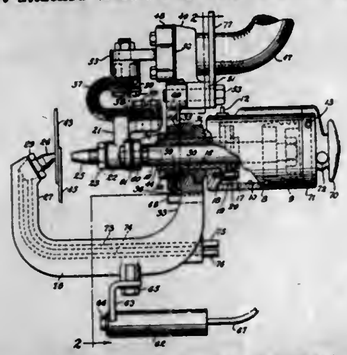
Ewell W. Forkner, Cincinnati, Ohio

Application June 19, 1947, Serial No. 755,665

3 Claims. (Cl. 219—4)

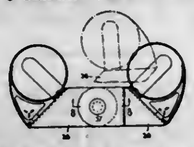
1. An electric welder of the gun type comprising a cylinder having a reciprocating piston therein, said cylinder being provided with ports for alternately admitting fluid pressure to the respective ends of the cylinder to drive the piston in forward and reverse directions, a piston rod for said piston extending through the forward end of said cylinder and projecting beyond the same, a sleeve bearing for said piston

rod projecting from the forward end of said cylinder, a bushing on said sleeve, a suspension member attached to and embracing said bushing, a swivel yoke of substantially C-shape having one end journaled on said bushing between said suspension member and said cylinder, the other end of said yoke being provided with an electrode in substantial alignment with the longitudinal axis of said piston rod, the adjacent surfaces of said suspension member and the journaled end of the yoke being parallel and adapted to be abutted into firm electrical contact, an electrode attached to but insulated from the free end of said piston rod, an overhead support attached to said suspension member, said



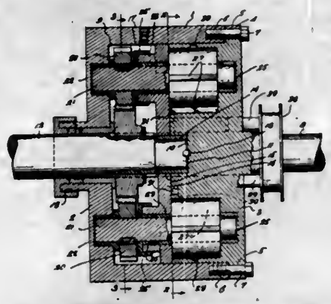
support being provided with electric current input conductors, an electrical connector connected to one of said input conductors and to the piston rod electrode, means electrically connecting another of said input conductors to said suspension member whereby the electrode on said yoke is connected through said yoke and bushing to said suspension member, the journal of said yoke and said suspension member being forced into firm positive electrical contact and also locking said yoke against rotation on said bushing when fluid pressure is applied to the cylinder to move said piston forward to engage work pieces disposed between said electrodes.

2,471,030
TABLE ATTACHMENT FOR BEVERAGE CONTAINERS
Ted E. Foulke, Lyndhurst, Ohio
Application May 10, 1947, Serial No. 747,285
3 Claims. (Cl. 211—75)



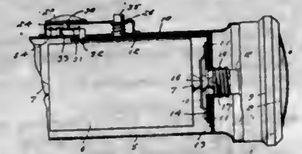
3. A table attachment of the character described comprising a body portion of sheet material having a flat top and two depending side walls, said flat top being adapted to rest on a table top near the edge thereof, and said side walls depending vertically from the opposed ends of said flat top in planes mutually convergent so as to contact the respectively convergent edge face portions of the table top in contact with said walls, beverage container-holding means carried on the respective outer faces of said side walls and comprising collar members formed from sheet metal strip each said strip having an excess end portion extending beyond the periphery of said collar for attachment to its respective side wall at a point spaced from said collar, the wall of said collar being of substantial vertical extent for secure retention of said beverage container therewithin, a vertically reciprocable plunger slidably retained on the outer face of each said side wall below the level of said top plate, a vertical slot in said plunger, a headed retaining stud having its shank passing through said slot and its shank tip fixed in said side wall whereby to guide said plunger and limit vertical travel thereof, said side wall being provided with an aperture near the lower end of said plunger, a clamping finger fixed on the lower end of said plunger, and extending inwardly through said aperture, spring means carried by said side wall and abutting said plunger whereby to urge said finger upwardly into contact with the under side of said table top, the upper end of said plunger having manually operatable horizontal tab means thereon normally resting in the general plane of said top plate and adapted, by manual pressure thereon, to move said plunger and said clamping finger downwardly out of clamping contact with said table top.

2,471,031
HYDRAULIC TRANSMISSION
Vernon E. Gleasman, Elmira, N. Y.
Application September 19, 1944, Serial No. 554,821
17 Claims. (Cl. 74—774)



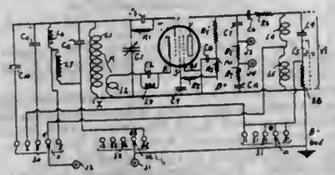
1. In a hydraulic transmission, a casing open at one side, a block closing the open side of said casing and spaced from the opposite side thereof to provide a chamber in the casing for containing liquid, a rotary drive shaft extending outwardly from said block, a driven shaft passing through the center of the second side of the casing into said chamber and rotatably mounted in a bearing at the center of said block, said block being formed with pump chambers spaced from each other circumferentially thereof, rotary pumps operating in said pump chambers and having shafts extending into the liquid chamber in spaced parallel relation to the driven shaft, a gear carried by the driven shaft within the liquid chamber, gears carried by the pump shafts and meshing with the gear of the driven shaft, the pump chambers each having an inlet adjacent the periphery of the block and an outlet communicating with an annular channel having discharge openings leading therefrom to the liquid chamber, and a valve for controlling flow of liquid from the pump chambers into the liquid chamber consisting of a collar fitting about the drive shaft and slidable along same and plungers projecting from the collar through openings formed in the block and across the channel and the discharge openings transversely thereof to control flow of liquid through same.

2,471,032
FLASHLIGHT SWITCH
Oscar Gray and Howard Lewis, Bloomington, Ind.
Application February 27, 1946, Serial No. 650,422
1 Claim. (Cl. 200—60)



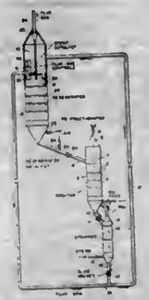
A flashlight including a case forming part of the electrical circuit of the flashlight, a conductor member in said case forming a part of the electric circuit, means insulating the conductor member from the case, a switch housing removably connected to said case and formed of an electrically conductive material, a switch slidably connected to the switch housing and movable into and out of engagement with said conductor member for making and breaking the electrical circuit of the flashlight and a spring-retracted plunger switch in electrical contact with the case, said plunger switch being disposed to be manually projected into contact with said conductor member for closing the electric circuit of the flashlight while the plunger is held in a projected position, said case having spaced openings communicating with the interior of the housing, said connector member having a stud projecting radially outwardly through one of said openings and disposed out of electrical contact with the case and for engagement by the slidable switch when the latter is moved to a circuit closing position and said plunger switch being reciprocally disposed in the other of said openings to contact the conductor member when pressed inwardly against the action of the spring.

2,471,033
RADIO-FREQUENCY TESTING DEVICE
Philip H. Greeley, Washington, D. C.
Application March 26, 1946, Serial No. 657,173
3 Claims. (Cl. 175—183)



1. Apparatus for testing electric reactance elements comprising, in combination, an oscillating current generator having voltage output terminals, means for tuning said generator over a predetermined frequency range, and indicator means responsive to the setting of said generator tuning means including a scale calibrated in terms of electric reactance element values; a resonant circuit having inductive and capacitive branches of preselected element value; voltage coupling means including a series coupled resistor connecting said resonant circuit for parallel resonance to the output terminals of said oscillating current generator; a voltage indicating device coupled with said parallel resonant circuit for indicating voltage developed thereacross; and means including fixed test terminals and a switch for selectively connecting an unknown reactance element in at least one of the branches of said resonant circuit.

2,471,034
FLUIDIZED CATALYTIC CONVERSION OF HYDROCARBONS
Ralph E. Hall, East Chicago, Ind., and Marion J. Wilcox, Harvey, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application April 30, 1947, Serial No. 745,038
5 Claims. (Cl. 196—52)

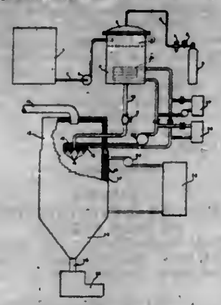


1. In a fluid catalyst process for the conversion of hydrocarbons wherein a gaseous medium is passed upwardly in contact with a dense phase fluidized body of the catalyst in a contact zone, the step of maintaining in the contact zone a plurality of dense phase fluidized bodies of the catalyst interposed between alternate vertically spaced zones of lower catalyst density in which the catalyst in relatively low concentration is entrained in an upwardly rising restricted stream of the gasous medium of substantial height, introducing catalyst to the upper portion of the contact zone, permitting the catalyst to gravitate downwardly from a higher zone to the next lower zone through an annular space surrounding the upwardly rising gaseous stream, and withdrawing catalyst from a lower portion of the contact zone.

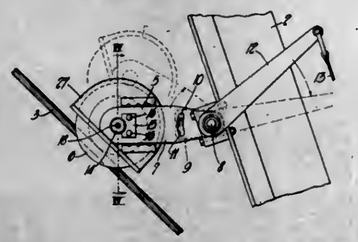
2,471,035
APPARATUS FOR THE DESICCATION OF ORGANIC SUBSTANCES
Frank E. Hurd, New York, N. Y.
Application October 2, 1943, Serial No. 504,794
4 Claims. (Cl. 34—92)

1. Apparatus for desiccating a liquid which comprises a vessel for holding the liquid, a cooling worm in the vessel, a vacuum chamber, atomizing means within the chamber, means connecting the vessel with the atomizing means for conducting liquid from the vessel to the atomizing means, a heat exchanger associated with the atomizing means and means for circulating a

coolant between said heat exchanger and the cooling worm for utilizing the cooling effect produced at the atomizing means to cool the liquid in the vessel.



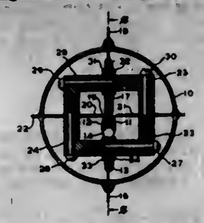
2,471,036
RUNNING ROPE LUBRICATOR
Wesley R. Jenkins, Whiting, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application February 21, 1945, Serial No. 579,109
3 Claims. (Cl. 184—17)



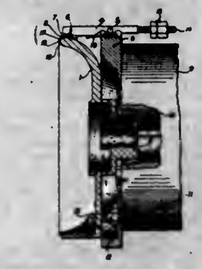
1. In a running rope lubricator including a shaft journaled in spaced bearings, a pair of lever arms spaced along said shaft and rotatable thereon, an axle extending between said arms, and a sheave wheel journaled on said axle, said axle and wheel having lubricant-supply passages therein, the improvement comprising a lost-motion connection between the shaft and said levers including a member rigid with said shaft and engageable with the levers, whereby the wheel when in engagement with the rope, is free to float and accommodate itself to movements of the rope transversely of its direction of travel.

2,471,037
ELECTRON DISCHARGE DEVICE EMPLOYING CAVITY RESONATORS
Russell R. Law, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 29, 1944, Serial No. 542,717
18 Claims. (Cl. 315—6)

1. An electron discharge device for use at high frequencies and having a cathode provided with an elongated emitting surface, and anode having an elongated surface registering with the emitting surface of said cathode and a grid therebetween, and cavity resonators coupled between said grid and cathode and between said grid and anode and having transverse sectional dimensions less than the length of said elongated emitting surface and having longitudinal walls coextensive with the elongated surfaces of said anode and said cathode.



2,471,038
WORK CENTERING ATTACHMENT FOR METAL TURNING MACHINES
Emil Luginbuhl, Bedford, Ohio, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application October 29, 1946, Serial No. 706,452
6 Claims. (Cl. 279—51)



1. In a device for holding and centering work for machining operation thereon, the work consisting in a thin light weight metallic bell shaped plate with a centrally located extension on its convex side, a chuck, a work holder detachably secured to said chuck and including means for gripping said central extension of said work, leaving the remainder of said work holder spaced from said work holder, a plurality of pivoted centrifugally responsive arms on said work holder adapted to be forced into clamping engagement with said work upon rotation of said work holder.

2,471,039
MANUFACTURE OF IMPROVED FIBROUS MATERIALS AND THE MATERIALS THUS OBTAINED
Ludwig Orthner, Gerhard Balle, and Heins Schild, Frankfort-on-the-Main, Max-Otto Schürmann, Dormagen, and Karl Brodersen and Matthias Quaedvlieg, Dessau, Germany; vested in the Attorney General of the United States
No Drawing. Application February 26, 1941, Serial No. 380,632. In Germany February 21, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires February 21, 1960
7 Claims. (Cl. 106—165)

1. The process of improving cellulose fibrous materials distinguished by a soft and agreeable feel without the usual treatment with softening agents which comprises incorporating with the aqueous cellulose spinning solution colloidal alkali compounds of a sulfonic acid amide obtained by the simultaneous action of chlorine and sulfur dioxide on a mixture of saturated aliphatic hydrocarbons boiling from 240° C.–340° C. formed by the reduction of carbon monoxide, and subsequent reaction with ammonia, said sulphonic acid amids being insoluble in alkali carbonates and being uniformly subdivided in the interior of the fiber.

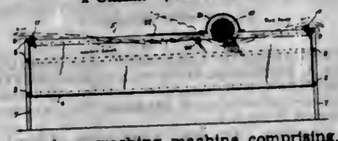
3. Cellulose fibrous materials distinguished by a soft and agreeable feel without the usual treatment with softening agents and having uniformly distributed therethrough a colloidal sulfonic acid amide being insoluble in alkali carbonates and obtained by the simultaneous action of chlorine and sulfur dioxide on a mixture of saturated aliphatic hydrocarbons boiling from 240° C.–340° C. formed by the reduction of carbon monoxide, and subsequent reaction with ammonia.

2,471,040
ELECTRIC SWITCH
Jack L. Mehar, Long Beach, Calif.
Application July 3, 1946, Serial No. 681,180
1 Claim. (Cl. 200—33)



In an electric switch, an inflated bulb, a bracket to which the bulb is secured, a stationary contact member mounted on the bracket directly opposite to the bulb, a flexible partition mounted within the bulb directly over the stationary contact member in spaced relation therewith, said partition having a central opening, and a movable contact member mounted on the flexible partition within the opening thereof and having vent openings, said movable contact member being movable into engagement with the stationary contact member completing a circuit under pressure, created within the bulb, when the bulb is compressed by contact with a stationary object.

2,471,041
SCRUBBING MACHINE FOR FIRE HOSE
Irvine E. Parker, Transfer, and Thomas W. Brydon, Slippery Rock, Pa.
Application July 24, 1945, Serial No. 606,864
1 Claim. (Cl. 68—90)



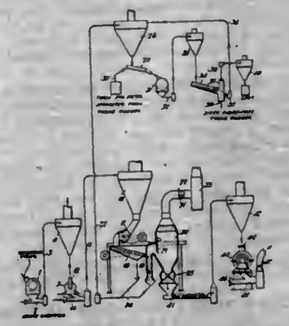
A fire hose washing machine comprising, an elongated trough supported on legs, a feed guide roller journalled at one end of the trough with a portion thereof disposed above the upper edge of the trough, a rotatable brush journalled on the upper edge of the trough closer to the feed end than to the discharge end thereof and having its lower portion submerged in a washing fluid within the trough and its remaining portion disposed outwardly of the trough, power transmitting means connected to the rotatable brush, a tension guide roller journalled within the trough in close proximity to the discharge side of the brush with its upper portion disposed above the lowermost portion of the brush, a discharge guide roller journalled on that end of the trough opposite the feed end thereof and having its upper portion disposed above the edge of the trough and upper portion of the tension roller, a splash guard disposed over the brush and tension roller, and a rearwardly extending rectangular cover plate hinged to the rear side of the splash guard and lying over the trough and tension guide roller.

2,471,042
COAL HANDLING SYSTEM
Erskine Ramsay, Birmingham, Ala.
Application October 30, 1944, Serial No. 560,930
4 Claims. (Cl. 104—173)



1. In a mine haulage system including an endless cable, mine cars with detachable grabs adapted to engage the cable at random, and drive means for the cable, the combination of a sheave included in the drive means and having spaced fingers thereon shaped to engage and cause the grabs to enter into the spaces between the fingers, and a track for the cars passing around beneath the sheave.

2,471,043
TREATING WASTE RUBBER, ETC.
Edward L. Schenck, Hughesville, Pa., assignor of one-fourth to Benjamin Epstein, one-fourth to Leonard Sylvan Epstein, and one-fourth to Stanley William Epstein, all of Norfolk, Va.
Application June 19, 1945, Serial No. 600,353
8 Claims. (Cl. 241—14)



1. The method of mechanically treating used rubber tires containing embedded metallic and non-metallic foreign particles, which comprises chopping the tires into relatively coarse pieces, removing the tread rubber of said pieces in coarse granular form from the pieces of carcass and friction rubber adhering thereto, while leaving the pieces of carcass substantially undisintegrated, separating the removed granular tread

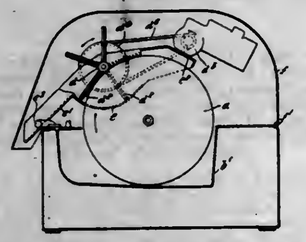
rubber from the pieces of carcass, separating metallic and non-metallic particles of foreign material from the granular tread rubber, recovering the granular tread rubber substantially free from separated metallic and non-metallic particles, and from friction rubber and fibres of the carcass, cutting the granules of the tread rubber into smaller particles with a minimum of fine granules, delinting the resulting granular tread rubber, separating substantially all of the friction rubber, substantially free of tread rubber and in granular form from the pieces of fibres of the carcass, separately recovering the granular friction rubber and the remaining fibres, sizing and delinting the recovered granular friction rubber, and maintaining both the tread rubber and the friction rubber during their entire treatment at a temperature below that at which objectionable change in composition would take place, whereby there are recovered as products of the method, a fine granular tread rubber product substantially free from friction rubber and from fibres and foreign material, a sized granular friction rubber product substantially free from tread rubber and from fibres, and fibres substantially free from rubber and lint.

2,471,044

MAGNETIC SEPARATOR HAVING MEANS FOR WIPING AND SCRAPING THE CARRIER DISK

Arthur Scrivener, Birmingham, England

Application October 26, 1945, Serial No. 624,882
In Great Britain November 11, 1944
3 Claims. (Cl. 209—229)



1. A magnetic separator including a rotary magnetic disc and means for rotating and scraping the same, said means comprising, in combination, a rotary scraper having a hub in frictional engagement with the periphery of the disc and two sets of radially extending arms mounted on said hub, one set bearing on each side of said disc, means for rotating said hub, a trough for housing the lower part of said radially armed scraper and a chute connecting with said trough.

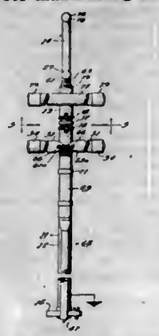
2,471,045

ULTRA HIGH FREQUENCY ANTENNA SYSTEM

Harner Selvidge, Silver Spring, Md.

Application October 21, 1944, Serial No. 559,670
11 Claims. (Cl. 250—33.57)

1. In an antenna system, a supporting conductor, a pair of hollow radiator elements coaxially supported at their outer ends on said supporting conductor, a mast for engagement with said supporting conductor between said radiator elements, and means providing a balanced transmission line for connection to the inner ends of said radiator elements for maintaining same in substan-



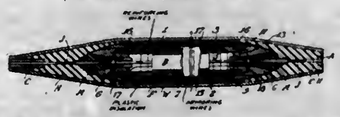
tially perfect balance to provide substantially exact symmetry to the resulting radiated field.

2,471,046

SUBMARINE CABLE REPEATER

Esmond Wassell Smith, Beechcroft, Chislehurst, and Richard William Presswell, Kensington, London, England, assignors to The Telegraph Construction and Maintenance Company Limited, London, England, a company of Great Britain

Application January 21, 1947, Serial No. 723,334
In Great Britain December 9, 1946
1 Claim. (Cl. 174—70)



In a submarine cable, the combination with a core including a central conductor; of a repeater housing comprising an entry gland at each end thereof for locating said central conductor; a series of annular elements which nest one within the other to form a metallic sheath and which form with each other, ball and socket joints so as to be capable of limited relative angular displacement while contiguous elements of said series are maintained continuously in annular surface contact to thereby provide a constantly uninterruped housing irrespective of their angularly displaced condition, and means for centering the end elements of said series in relation to the glands.

2,471,047

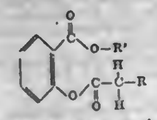
SYNTHESIS OF 4-HYDROXYCOUMARINS

Mark A. Stahmann, Madison, and Karl Paul Link, Middleton, Wis., assignors to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin

No Drawing. Original application August 29, 1942, Serial No. 456,710. Divided and this application February 21, 1947, Serial No. 730,206
9 Claims. (Cl. 260—344.6)

1. The process of producing 4-hydroxycoumarins, which consists in condensing with an alkali metal in an inert high-boiling hydrocarbon which boils at not less than 260° C. and with which the initial acyl salicylic acid ester

and the alkali metal and the final 4-hydroxycoumarin do not react, a compound of the general formula



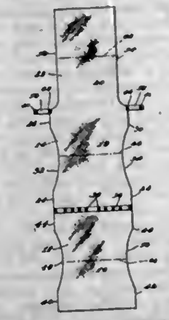
in which R represents a member of the class consisting of hydrogen and monovalent hydrocarbon groups, and R' represents a monovalent hydrocarbon group.

2,471,048

BABY GARMENT

Kathryn A. Terchick, Venetia, Pa., assignor of one-half to Anthony W. Terchick, Venetia, Pa.

Application May 12, 1948, Serial No. 26,682
8 Claims. (Cl. 128—284)



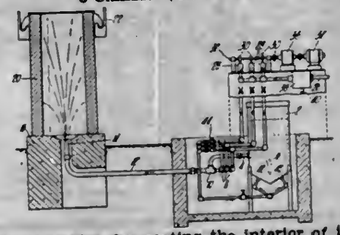
1. A new article of manufacture, an infant's diaper comprising a body portion of web material and extensions on both ends thereof, the body portion having cut-out leg portions at the sides thereof, strengthening means at the junction of the body portion and an extension, cooperating cut-out leg portions on said last-named extension, and snap fastening elements on said strengthening means, snap fastening elements positioned at the junction of said body portion and the other extension adapted to have cooperative engagement with the snap fastening elements on said strengthening means.

2,471,049

APPARATUS FOR COATING INGOT MOLDS

Arthur W. Thornton, Pittsburgh, Lindsey Stewart, McKeesport, and Francis Susa, Pittsburgh, Pa.

Application December 5, 1945, Serial No. 632,824
3 Claims. (Cl. 22—88)



1. Apparatus for coating the interior of ingot molds and the like comprising in combination a base for holding a mold, an upwardly directed nozzle in said base, a loosely fitting cover for the top of said mold, and means for conducting a mixture of air and comminuted coating material under pressure to said nozzle.

2,471,050

DEVICE FOR THE MEASUREMENT OF LENGTHS

Fernand Turrettini, Bellevue-Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a Swiss firm

Application December 18, 1947, Serial No. 792,432
In Switzerland July 9, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 9, 1962
2 Claims. (Cl. 33—1)



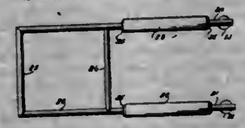
1. A device for the measurement of lengths comprising in combination with the frame of an instrument or machine, a recess in said frame having an elongated aperture, two longitudinal flanges secured to said frame and limiting said elongated aperture, a trough-shaped piece mounted in said recess and resting by its long sides on said flanges, a graduated scale on the inner bottom surface of said trough-shaped piece, a slide shiftable along said elongated aperture, an optical device for observation of said scale mounted in said slide, a cover plate secured to said slide and engaging between the inner faces of said flanges, a flexible band attached at each extremity of said cover plate and having its edges engaging in longitudinal grooves provided in the inner faces of said flanges, means for holding said flexible bands in stretched conditions, whereby to protect said graduated scale against entrance of dirt.

2,471,051

WHEEL AND TIRE DOLLY

Walter M. Tway, Maricopa County, Ariz.

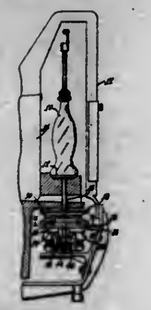
Application February 1, 1946, Serial No. 644,882
2 Claims. (Cl. 280—53)



1. A dolly for mounting automobile wheels and tires on wheel hubs comprising in combination, a

U-shaped frame having tubular parallel side members arranged and secured in spaced relation by a transverse tubular member at one end providing a handle, a second parallel transverse member positioned toward the open end acting as a brace and leaving a substantial length of said side members as arms of said U-shaped frame, casters attached to and depending from the outer ends of said arms, and tubular rollers substantially co-extensive with said frame arms, coaxially disposed relative to said arms and journalled thereon.

2,471,052
SPRING MOUNTED BRAKE
John F. Wein, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1945, Serial No. 585,750
7 Claims. (Cl. 188—166)

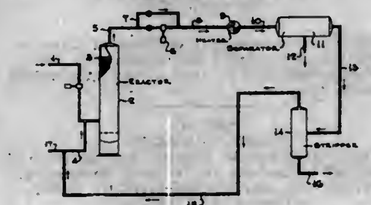


1. A brake for a plurality of movable objects, each provided with a braking surface which may be misaligned with corresponding surfaces of others of said objects, said brake comprising a pair of brake shoes, a support for said shoes, means for moving said support relatively to said objects to bring said shoes into confronting relationship with each of said surfaces successively, springs independently associated with each of said shoes and arranged to urge each of said shoes into braking engagement with the surface confronting it independently of the other of said shoes, further springs common to and associated with both of said shoes and arranged to urge both of said shoes into common braking engagement with said surface, and means including a universal joint interconnecting said springs whereby to compensate for variations in placement of said surfaces.

2,471,053
AMINO ACID EXTRACTION
Herman J. Almquist and John Gorton Davis, Berkeley, Calif., assignors to F. E. Booth Company Inc., San Francisco, Calif., a corporation of Nevada
Application February 15, 1946, Serial No. 647,961
5 Claims. (Cl. 260—529)

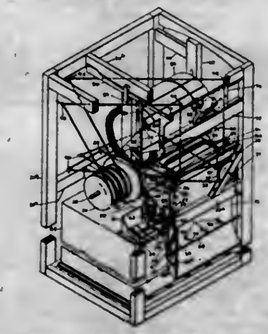
1. In the extraction of an amino acid in an aqueous solution by phenol as an amino acid solvent, the step of adjusting the pH of the solution to a predetermined value to fix the distribution coefficient of said amino acid between the solvent and the water phases at a value enhancing such extraction of the amino acid by said solvent.

2,471,054
REMOVAL OF SOLUBLE CATALYSTS FROM PRODUCT STREAMS
Erwin H. Amick, Jr., Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 26, 1946, Serial No. 718,302
4 Claims. (Cl. 260—683.5)



1. Improved process for the conversion of saturated hydrocarbons into branched chain hydrocarbons which comprises contacting a feed stream comprising saturated hydrocarbons in an isomerization zone with a catalyst comprising an aluminum halide, maintaining temperature and pressure conditions in said isomerization zone adapted to secure the desired conversion, removing a product stream from said isomerization zone, further heating said product stream in a heating zone to a temperature near but not above its critical temperature, maintaining a sufficient pressure on said product stream to maintain the same in the liquid phase, passing said product stream at said elevated temperature and pressure to a separation zone, whereby a phase relatively rich with said aluminum halide catalyst separates from a liquid product phase substantially free of said aluminum halide catalyst, separating said phase relatively rich in aluminum halide catalyst, passing the product phase substantially completely free of aluminum halide catalyst to a fractionating zone and separating a gaseous stream from said product stream in said fractionating zone.

2,471,055
DISPENSING APPARATUS
Clarence M. Asbill, Jr., La Grange, Ga., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga., a corporation of Georgia
Application February 14, 1945, Serial No. 577,800
12 Claims. (Cl. 194—4)



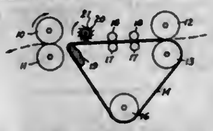
1. A dispensing apparatus which comprises means for rotatably supporting a roll of towels, means for rotating the roll to dispense towels therefrom, means biased to lock the supporting means against rotation, means operable by a towel deposited thereon to put the locking means out of operation, means for holding the locking means inoperative, and means operable by a towel being dispensed for releasing the holding means.

2,471,056
APPARATUS FOR DRAFTING TEXTILE FIBERS
Whitworth F. Bird, Swarthmore, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Original application February 2, 1946, Serial No. 645,055. Divided and this application April 22, 1948, Serial No. 22,686.
4 Claims. (Cl. 19—131)



1. In a drafting device for textile fibers comprising a pair of front drafting members, stock feeding means including an apron, guiding, supporting and tensioning means for the apron, a positively driven pressure roller in superposed relation to the apron, rotatable collars on said roller, said collars being in running contact with the apron during operation of the device, and means for positively driving the pressure roller at a predetermined rate.

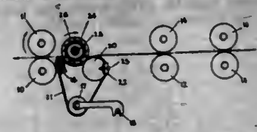
2,471,057
METHOD AND APPARATUS FOR DRAFTING TEXTILE FIBERS
Whitworth F. Bird, Swarthmore, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application December 18, 1945, Serial No. 635,642
41 Claims. (Cl. 19—131)



14. In a drafting mechanism for textile fibers, front and back rollers defining a drafting area, a movable supporting apron for the fibers as they pass longitudinally through said drafting area, said apron being positioned rearwardly of the front rollers, a pin roll combing member in running contact with said supporting apron, said pin roll member being driven by the supporting apron in its forward movement.

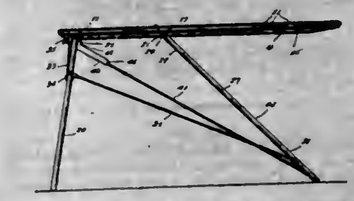
2,471,058
CONTROL OF TEXTILE FIBERS DURING DRAFTING OPERATIONS
Whitworth F. Bird, Swarthmore, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application October 8, 1947, Serial No. 778,637
17 Claims. (Cl. 19—130)

1. In a drafting mechanism for strands of textile fibers, means forming a front nip to draw off the fibers as they are being drafted, a stationary strand guide for fibers as they pass forwardly to the front nip, said stationary guide extending lengthwise along the path of the fibers for a predetermined distance, means including the said



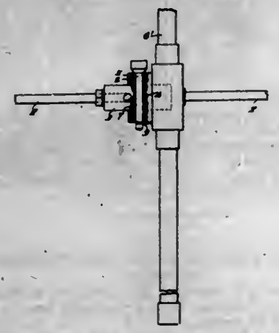
front nip forming means for moving a strand of fibers in contact with the stationary guide, and a rotatable fiber control pin roller for initially penetrating into only that portion of the length of the strand in contact with the stationary guide as the pin roll rotates in operation.

2,471,059
COLLAPSIBLE SUPPORT FOR IRONING BOARDS
Earl C. Booth, Columbus, Ind., assignor to Nobilit-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application February 8, 1946, Serial No. 646,367
2 Claims. (Cl. 38—117)



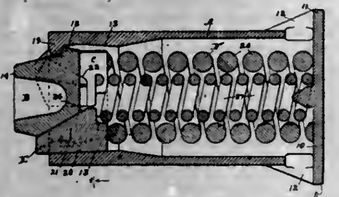
1. In an ironing board, a top, a pair of rear legs pivotally connected to said top near the rear end thereof, a front leg pivotally connected to said top at a point intermediate the length thereof, a pair of links respectively connecting said rear legs with said front leg, said links being so arranged as to cause said legs to swing jointly between substantially coplanar position adjacent the lower surface of the top and positions in which the legs diverge from each other to form a stable support for the top, a brace pivotally connected to said front leg and adapted to extend upwardly and rearwardly therefrom to a point beneath said top, a latch member pivoted to said top and slidably receiving said brace, said latch member being formed of sheet metal bent into channel-shaped cross-section and having two generally parallel, spaced flanges between which said brace is received, said flanges having relatively wide portions forming ears through which the latch member is pivoted to the top and relatively narrow portions provided along their edges with in-bent lips preventing removal of said brace from between the flanges by lateral movement, said brace being provided with an abutment engageable with said latch member to limit rearward movement of the brace in the latch member, said brace and latch member having releasable provisions engageable with each other when the brace is at the upper limit of its movement in the latch member to prevent downward movement of the brace, said provisions being engageable with and disengageable from each other by movement of the brace laterally of itself with respect to the latch member.

2,471,060
FLEXIBLE SEWER ROD COUPLING FEELER
Robert E. Cooper, Fort Monroe, Va., assignor to Flexible Sewer Rod Equipment Co., Los Angeles, Calif., a copartnership
Application July 14, 1947, Serial No. 760,917
4 Claims. (Cl. 287—52.08)



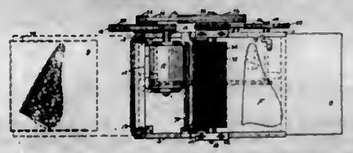
4. A turning, lever device having a socket for a rod coupling to be operated thereby and having a movable locking pin, and a rod coupling telescopic in said socket and having a diametrical hole for registration with the pin; the body of the coupling having a peripheral feeling-in groove entirely therearound to which the hole opens at each of its ends.

2,471,061
FRICTION SHOCK ABSORBING MECHANISM
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application March 1, 1947, Serial No. 731,857
1 Claim. (Cl. 213—32)



In a friction shock absorbing mechanism, the combination with a friction casing having three lengthwise extending, interior friction surfaces of V-shaped, transverse cross section arranged symmetrically about the central longitudinal axis of the mechanism; of a friction clutch slidingly telescoped within the casing, said clutch including a central wedge block and three friction shoes arranged symmetrically about said block, said shoes having V-shaped friction surfaces engaging the V-shaped friction surfaces of the casing, said block and one of said shoes having wedging engagement with each other on substantially flat wedge faces, and said wedge and two remaining shoes having wedging engagement with each other on cooperating wedge faces of V-shaped, transverse cross section; and spring means yieldingly opposing inward movement of said clutch.

2,471,062
FISH SCORING MACHINE
Eugene W. Davis, Meredosia, Ill.
Application July 12, 1946, Serial No. 683,199
7 Claims. (Cl. 17—2)



1. In a fish scoring machine the combination with a series of rotary knives and a work board having a reciprocating movement thereunder, of a receiving pan for the scored fish at one end of the board, means for scraping a scored fish into the pan, and means for successively raising and lowering the scraper as the board reciprocates.

2,471,063
NONMETAL NOSE GUARD
Arthur R. Devoe, North Attleboro, Mass., assignor to The Bishop Company, North Attleboro, Mass., a corporation of Massachusetts
Application February 27, 1946, Serial No. 650,657
3 Claims. (Cl. 88—50)

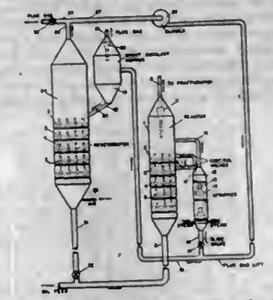


2. A nose guard constituted wholly of an integral one-piece plaque of unreinforced molded nylon-plastic material having upper and lower nose-bearing portions continuously connected together by an intermediately disposed nose-bearing portion integrally provided with a reduced neck of the nylon-plastic material terminating in an enlarged head of the nylon-plastic material, the nylon-plastic material of the upper and lower nose-bearing portions being flexible for adjustment into conformity with the configuration of the nose but hard enough to retain the shape to which they are adjusted yet yielding for engagement with the nose.

2,471,064
STRIPPING OF SPENT CATALYST IN HYDROCARBON CONVERSION
Ralph E. Hall, East Chicago, Ind., and Marion J. Wilcox, Harvey, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application April 30, 1947, Serial No. 745,037
2 Claims. (Cl. 196—52)

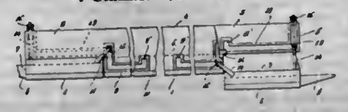
1. In the fluid catalyst process for the conversion of hydrocarbons wherein the hydrocarbon to be converted is brought into intimate contact with the catalyst in a reaction chamber, the spent catalyst is withdrawn from the reaction chamber and stripped of absorbed hydrocarbons by passing a gaseous stripping medium upwardly through a dense phase fluidized body of the catalyst in a stripping chamber, the improvement which comprises introducing the spent catalyst from the reaction chamber in relatively dense phase into the upper portion of the stripping chamber and causing the catalyst to gravitate generally downwardly therethrough, introducing

a gaseous stripping medium into the lower portion of the stripping chamber and passing it upwardly therethrough through a plurality of alternate zones of low velocity and high velocity, the transverse area of the low velocity zones being substantially that of the stripping chamber and the superficial velocity of the stripping medium in the low velocity zones being within the range of 0.3 to 1.5 feet per second, the high velocity zones being composed, respectively, of a single restricted substantially vertical stream coaxially positioned within the chamber and the superficial velocity of the restricted stream of



stripping medium through the high velocity zones being within the range of 3.5 to 7 feet per second, whereby dense phase bodies of catalyst will form in the low velocity zones, permitting the catalyst to gravitate downwardly from the respective dense phase bodies of catalyst to the next lower zone of the stripping chamber in an annular stream surrounding the upwardly flowing high velocity stream of the stripping medium, withdrawing the stripping medium and stripped hydrocarbons from the upper portion of the stripping chamber and withdrawing stripped catalyst from the lower portion of the stripping chamber.

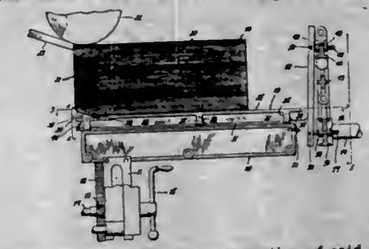
2,471,065
FLOATING DRY DOCK
Frederic R. Harris, New York, N. Y.
Application February 1, 1948, Serial No. 644,703
7 Claims. (Cl. 114—46)



1. A floating dry dock having sections comprising a center and ends, and means comprising channels of predetermined length on one section, and parts on the remaining sections engaging said channels for permitting limited relative movement of said center and ends in both a horizontal and vertical direction.

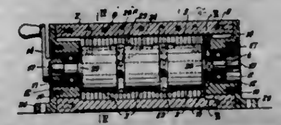
2,471,066
LABELER
Charles M. Hesson, Hanover, Pa., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y., a corporation of New York
Application June 6, 1945, Serial No. 597,789
9 Claims. (Cl. 271—62)

1. In a labeler for labels having portions of less thickness than other portions thereof, said labeler having a supporting plate for a stack of said labels, the uppermost one of which is adapted to be applied to a container, and means for moving said plate vertically relative to the label application zone to maintain the uppermost label of said stack in alinement with said zone, the combination therewith of a label pack adjusting means, comprising a section mounted on said supporting plate for vertical movement relative thereto and supporting the thinner portions of said stack of labels, and means moving said section vertically relatively to said supporting plate in response to the vertical movement of said supporting plate.



and maintaining the thinner portion of said uppermost label of said stack in a predetermined angular relation to the thicker portion thereof regardless of the height of said stack, comprising a member carried by said supporting plate and guided for horizontal movement relative thereto, means operatively connecting one part of said member with said section for moving said section vertically in response to the horizontal movement of said member, and stationary cam means arranged alongside said plate and engaging another part of said member to move it horizontally in response to the vertical movement of said supporting plate.

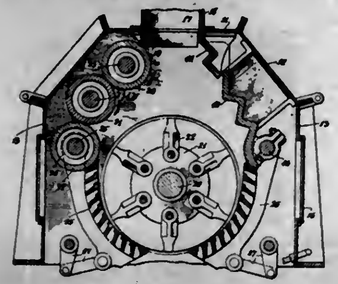
2,471,067
MAGNETIC WORK HOLDER
Stanley Isaiah Hitchcock, London, England, assignor to Tropical Plantations Limited, London, England
Application October 19, 1945, Serial No. 623,219
In Great Britain November 6, 1944
7 Claims. (Cl. 175—367)



1. A magnetic work holder comprising a nonferrous casing, a shaft rotatably mounted in said casing, a substantially cylindrical permanent magnet fixed to said shaft, said magnet having diametrically opposite arcuate poles, two armature members spaced from said poles, said armature members being of concave configuration to conform to the shape of said poles, a plurality of soft iron strips extending substantially parallel to said shaft, a plurality of non-ferrous strips alternating with said soft iron strips, all of said strips together providing a work-supporting surface, and supporting means maintaining said strips adjacent respective faces of said two armature members whereby a magnetic circuit including said members, certain of said strips and a work piece supported on said surface may be

formed, said strips being dimensioned so that a plurality of said soft iron strips register with each of said faces and with the space separating said faces.

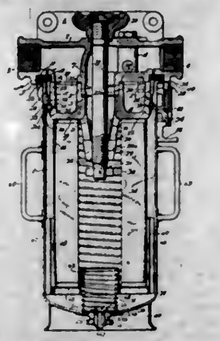
2,471,068
REVERSIBLE HAMMER MILL WITH POWER-DRIVEN IMPACTOR SURFACES
Edwin H. Keiper, Philadelphia, Pa., assignor to Pennsylvania Crusher Company, Philadelphia, Pa., a corporation of New York
Application July 11, 1944, Serial No. 544,370
4 Claims. (Cl. 241—89)



1. A crusher having a rotor carrying hammers, a feed chute terminating vertically above the center of the rotor a distance of the order of the radius of the hammer circle and providing an entrance space through which the material is freely dropped vertically downward into the top center of the hammer circle of the rotor and symmetrically on each side thereof, a continuous impenetrable movable power-driven anvil means extending above the level of said rotor to the upper portion of said entrance space at the side of said central feed to permit material to drop vertically into said rotor and comprising an upper portion power driven to carry its surface downward substantially parallel to the vertically entering material in said entrance space and closely adjacent thereto and then downward and outward at an angle thereto and above the hammer circle of said rotor and separated therefrom by said entrance space and adjacent intermediate space through which material is projected by said rotor hammers, and intermediate and lower portions continuing in said downward and outward direction and power driven to carry their surfaces downward and outward with movement in planes transverse to the axis of the rotor and approaching progressively closer to said hammer circle to a terminal throat opening at the side of said circle and providing a continuation of said intermediate space having power-driven moving surfaces above and below and tapering to closest approach at said throat opening, and a downward discharge of said material from said throat opening between said rotor and anvil means.

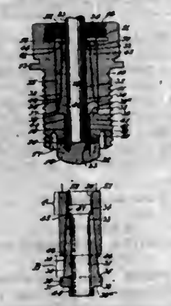
2,471,069
OIL OR LIQUID FILTER
Camille Clare Sprankling Le Clair, Acton, London, England, assignor to Tecalemit Limited, Brentford, England, a corporation of Great Britain
Application March 19, 1945, Serial No. 583,585
In Great Britain March 28, 1944
12 Claims. (Cl. 210—164)

1. A filter of the type described, comprising a container, a head formed of a main head part and a subsidiary head part, an inlet passage in said main head part, an outlet passage in said main head part, a filter element in said container, means for holding said filter element in contact with said subsidiary head part, ducts in said subsidiary head part interconnecting said inlet passage and the interior of said container and through which liquid can flow into said container around said filter element, other ducts in said subsidiary head part, interconnecting the interior of said container and said outlet passage and through which the filtered liquid can flow to said outlet passage, means rotatably mounted in and carried by said subsidiary head part, said means having a stem part projecting through said main head part and rotatable therein, means on said projecting stem part for rotating said means, said stem part being movable longitudinally relative to said head parts upon rotation of said means, said main and subsidiary head parts being drawn into clamping engagement upon a first rotation of said means and being spaced apart a predetermined distance while still being physically connected upon a second rotation of said means, a plurality of circumferentially spaced lugs carried by said container adjacent its upper end, and a plurality of similarly circumferentially spaced lugs carried by said subsidiary head part, both sets of lugs being spaced sufficiently to pass the lugs of the other set therebetween and being arranged with cooperating faces adapted to face and engage each other and to hold said container to said main head part, whereby said container may be removed from or connected to said subsidiary head part when the head parts are spaced apart and secured in working position when the said parts are drawn together, said lugs being rendered effective for holding said container in this latter position by said rotatably mounted means.



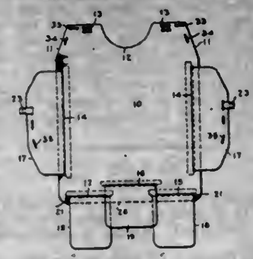
2,471,070
SPARK PLUG
Frederick L. McCarthy and Charles Schandler, New York, N. Y.
Application March 26, 1945, Serial No. 584,800
1 Claim. (Cl. 123—169)

In a spark plug, having an exteriorly screw threaded shell with a central main cylindrical bore, a central spark tip stem surrounded by an insulating lining spaced within said bore, an inner sleeve within the main bore having a cylindrical bore of substantially the same diameter as that of the lined stem, and of a length substantially equal to the depth of the main bore, and having an outer inclined surface converging to the entrance end of the bore, and providing a space of frusto-conical volumetric shape between it and the walls of the main bore, and an outer sleeve within the bore having a cylindrical outer surface of substantially the same diameter as that of the main bore, and having a conical bore of the same inclination as the inclination of the conical outer surface of the inner sleeve and diverging towards the bottom of the main bore, the material of the outer sleeve being harder than the material of the inner sleeve, and harder than the material of the shell, the combination of a shoulder for said inner sleeve having an outer diameter equal to the diameter of the main bore and having a bottom surface at right angles to the axis of the main bore with a curved lower corner and having a fillet at its upper portion merging into the inclined surface of the inner member, said outer sleeve having a curved entrance portion of a curvature corresponding to said fillet, and a shoulder on said shell having a part at right angles to the axis of the main bore merging into a fillet which forms a continuation of the cylindrical wall of the main bore, in registration with the bottom of the shoulder of the inner sleeve, which fillet has the same curvature as the curved lower corner of the shoulder of the inner sleeve, said shoulder of the shell forming a



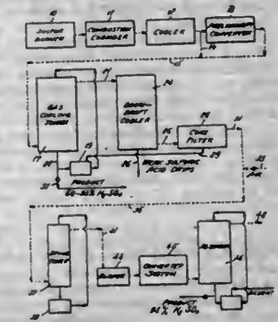
subcaliber bore in the shell for the spaced passage of the lined stem, the longitudinal length of the outer shell extending from said inner sleeve fillet to the upper end of the main bore, when said parts are assembled, said inner and outer sleeves prior to the assembly of the sleeves having the largest diameter of the entrance end of the inclined bore of the outer sleeve equal to a diameter of the inclined outer surface of the inner bore at about two thirds of the length of the inclined surface of the inner sleeve from its smallest diameter portion, with the entrance end of the outer sleeve spaced from the fillet of the shoulder of the inner sleeve a certain distance, and with the outer sleeve extending beyond the inner sleeve a distance equal to that spaced distance, each increment in diameter of said inner sleeve along said spaced distance being slightly larger than the internal diameter at the entrance end of the outer sleeve and each increment of the internal diameter of the extending part of the outer sleeve being smaller than the external diameter of the inner member where it is spaced from the extending end of the outer sleeve, whereby on pressure being applied to the extending end of the outer sleeve it is moved over the inner sleeve until it abuts the fillet of the shoulder of the inner sleeve, the inner sleeve being radially displaced increment by increment.

2,471,071
BODY PROTECTING SHIELD
Matilda Margaret McDonald, Columbus, Ohio
Application May 14, 1946, Serial No. 669,597
11 Claims. (Cl. 2—2.5)



1. A protecting shield or armor, comprising an enlarged front portion, and means for supporting the same on the body of a user, in combination with depending leg protecting members having slidable and swinging connecting means with the lower end of said portion for self-adjustment thereof longitudinally with respect to the body portion and in a forward swinging direction to conform to the raising and lowering movements of the legs of the user, said slidable and swinging connecting means comprising slotted portions of the front enlarged portion through which the leg protecting members may slide and hinge.

2,471,072
MANUFACTURE OF SULFURIC ACID
Henry F. Merriam, West Orange, N. J., assignor to Allied Chemical & Dye Corporation, a corporation of New York
Application April 3, 1946, Serial No. 659,410
3 Claims. (Cl. 23—167)



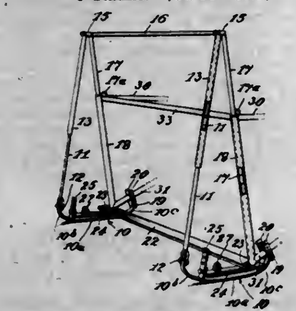
1. In the manufacture of sulfuric acid by the contact process, the steps comprising forming an SO_2-oxygen gas mixture heated to temperature high enough to initiate catalytic oxidation, subjecting the gas mixture to the action of an SO_2 oxidation catalyst under conditions to catalytically oxidize a substantial but minor amount of said SO_2 to SO_3, contacting the resulting gas stream in a gas-liquid contacting zone with sulfuric acid of H_2SO_4 strength not in excess of 93%, and in said zone, substantially by conversion of sensible heat of the gas to latent heat of vaporization of water, boiling water out of

said acid and into the gas stream as water vapor, concentrating said acid, and cooling the gas stream to temperature not more than 300° F., whereby there is formed a contacting zone exit gas stream containing SO_3, acid mist and water vapor, cooling the gas stream containing acid mist and moisture to temperature low enough to condense the bulk of the water vapor as weak sulfuric acid and to facilitate removal of acid mist from the gas stream, separating acid mist from the gas stream, drying the gas stream, subjecting residual SO_2 to the action of an SO_3 oxidation catalyst, and recovering resulting SO_3 as sulfuric acid.

2,471,073
MOWER

Leslie C. Meskimen, Shawnee on Delaware, Pa., assignor to Fairmont Railway Motors, Incorporated, Fairmont, Minn., a corporation of Minnesota

Application October 16, 1945, Serial No. 622,501
3 Claims. (Cl. 56—26.5)



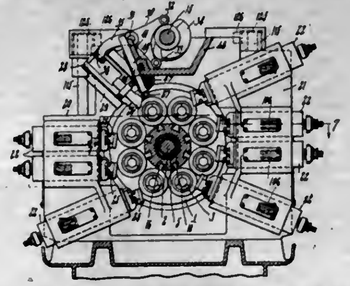
1. In a motor actuated, wheel type, sickle bar mower having a motor, actuating means from the motor to the sickle bar, a platform for the motor, ground wheel supports intermediate the front and rear of said platform extending downwardly therefrom, stub axles on said supports, and a ground wheel for each axle, the combination of a transverse front bar for supporting the sickle bar, and a pair of vertical spaced parallel frames one at each end of the transverse front bar, each frame being exterior to a ground wheel, and each consisting of a horizontally disposed side bar forming the side of the platform, a substantially vertical bar extending downwardly from the front end of the horizontal side bar to a lateral end of the front bar, and a second bar extending downwardly and forwardly from the rear of the horizontal side bar to the lower end of the vertical bar and connected therto, each juncture of the lower ends of the vertical and second bars being connected with the lateral end of the front bar, and each second bar intermediate its length secured to the wheel support in proximity to the wheel axle.

2,471,074
MULTIPLE SPINDLE LATHE

Carroll E. Miller and John M. Ingalls, Windsor, Vt., assignors to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont

Application May 6, 1943, Serial No. 485,804
6 Claims. (Cl. 29—37)

6. A multiple spindle lathe comprising an indexing work spindle carrier, a plurality of work spindles mounted in said carrier in circular array about the indexing axis thereof, a frame member extending transverse to the indexing axis of said carrier at one side of work pieces projecting from one end of each of certain of said work spindles, a plurality of tool supports carried by said frame member and movable toward and from such work pieces, a single cam shaft mounted in said frame, the axis of said cam shaft being at right angles to said indexing axis, certain of said tool supports being mounted to slide transverse to the cam shaft axis and others of said tool supports

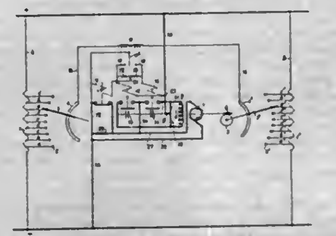


being disposed at an acute angle to the cam shaft axis, cams on said cam shaft individual to the respective tool supports, rockers pivotally mounted in the frame member having a portion thereof engageable and operable with the cam shaft, and a gear sector on each rocker, all of said gear sectors being arranged transversely to the cam shaft, each of said tool supports having rack teeth engageable with the respective gear sectors for actuation thereby.

2,471,075
ELECTRIC REMOTE SELECTIVE CONTROL SYSTEM

Louis Eugene Widolt Montrose-Oster, Brussels-Boitsfort, Belgium, assignor of one-half to Pollopas Patents Limited, London, England, a British company

Application February 25, 1948, Serial No. 10,806
In Great Britain June 1, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 1, 1965
2 Claims. (Cl. 318—29)

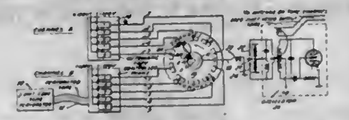


1. An electric remote selective control system comprising two electrically similar potentiometers with movable selectors positioned at the controlling and controlled ends respectively of the system, a control motor having a field winding and an armature, for controlling the movement of the selector of the potentiometer at the controlled end of the system, a circuit for said motor including two resistances in series, of which one resistance is connected in parallel with said field winding and has a midpoint connection to one pole of a current supply source, and the other resistance is connected in parallel with said armature and is connected at one end to the other pole of said source, two single-pole relays each for controlling the opening and closing of both the field and armature circuits of said motor, one of said relays having an off position and a circuit-closing position connecting the other end of said second-mentioned resistance to one end of said first-mentioned resistance for causing rotation of said motor in one direction, and the other of said relays having an off position and a circuit-closing position connecting said other end of said second-mentioned resistance to the other end of said first-mentioned resistance for causing rotation of said motor in the opposite direction, and a third single-pole relay connected in parallel with said armature for controlling short-circuiting of said armature, a compensating circuit connecting said selectors of said potentiometers, said compensating circuit controlling all three of said relays and being responsive to establishment of a potential difference between said selectors caused by movement of the selector at the controlling end of the system, for selectively operating one or the other of said two first-mentioned relays according to the direction of current flow in said compensating circuit, whereby the field and armature circuits of said motor are closed by the operative one of said two first-mentioned relays to effect, in response to the movement of the selector at the controlling end of the system, a rotation of said motor and movement of the selector controlled thereby in the direction and to the extent necessary to establish an equipotential condition between selectors, said third relay being timed differently from said two first-mentioned relays whereby establishment of such equipotential condition causes said third relay to short-circuit said armature before the operative one of said two first-mentioned relays opens the field and armature circuits to interrupt current supply from said source to said armature, said field winding and said resistances, whereby to effect a rapid stoppage of said motor responsive to establishment of such equipotential condition.

2,471,076
PRINTING TELEGRAPH SYSTEM

John B. Moore, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 23, 1945, Serial No. 595,303
9 Claims. (Cl. 178—4)



1. A printing telegraph system for transmitting intelligence by means of an m-unit code, the individual elements of which comprise one of three predetermined conditions of signal, comprising an m-unit-code tape perforated in accordance with the code combinations to be transmitted, an m-unit-code automatic tape-controlled transmitter fed with said tape and having m pairs of pins for cooperation with the perforations in said tape, the pins in said tape-controlled transmitter being arranged in similar relation to the perforations in said tape, said tape-controlled transmitter having m pairs of contacts controlled by its m pairs of pins, a distributor having m different connections for operative association with the m different pairs of contacts of said tape-controlled transmitter, and means in said tape-controlled transmitter for supplying each connection with a positive voltage when one contact of its associated pair of contacts is closed, with a negative voltage when the other contact of its associated pair of contacts is closed, and with no voltage when neither contact of its associated pair is closed, an oscillator, means in circuit with said oscillator and under control of the output from said distributor for changing its frequency of operation to a second frequency when a positive voltage is supplied by said distributor and to a third frequency when a negative voltage is supplied by said distributor, means for transmitting signal waves of said three different frequencies, receiving apparatus including frequency responsive means for converting the received signal waves to three conditions of signal constituting positive, negative and no current, a receiving distributor having m pairs of contacts coupled to said converting means, and a printer having m selector bars and associated therewith m polarized code-selector-bar magnets corresponding to the m units of the code coupled to said receiving distributor, said magnets controlling different code selector bars to cause said bars to assume any one of three different positions corresponding to said positive, negative, and no current conditions of signal.

2,471,077
PRODUCTION OF CYCLIC SULFIDES

Robert J. Moore, Berkeley, and Robert A. Trimble, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 23, 1946, Serial No. 698,862
19 Claims. (Cl. 260—329)

1. The method of converting a cyclic sulfone to the corresponding saturated cyclic sulfide, said sulfone being selected from the group consisting of sulfolanyl compounds and 2-sulfolenyl compounds, which method comprises contacting said cyclic sulfone in the vapor phase with an excess of hydrogen in the presence of a hydrogenation catalyst at a temperature below that at which said cyclic sulfone will undergo thermal decomposition.

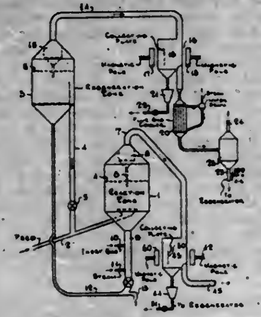
2,471,078
CATALYST QUALITY BY MAGNETIC SEPARATION

Henry J. Ogorzaly, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 12, 1946, Serial No. 676,236
5 Claims. (Cl. 196—52)

1. Improved catalytic cracking operation which comprises maintaining a fluid bed of non-magnetic catalyst particles in a reaction zone, passing feed gases through said bed under cracking conditions, removing hot reactant vapors from said reaction zone and separating substantially all the catalyst from said vapors, thereafter passing at least a portion of said hot vapors containing only small residual amounts of active catalyst fines and undesirable particles comprising iron through a segregation zone, imposing an

electro-magnetic field in said segregation zone whereby the particles comprising iron are sepa-



rated from said vapors and from said small residual amounts of active catalyst fines.

2,471,079
GLASS SEALING ALLOY
Carl B. Post, Wyomissing, and Warren S. Eberly, Temple, Pa., assignors to The Carpenter Steel Company, Reading, Pa., a corporation of New Jersey
No Drawing. Application August 28, 1947, Serial No. 771,146
12 Claims. (Cl. 49—92.5)

10. A glass-to-metal seal between a glass and an alloy said alloy being substantially gas-free at the glass-to-metal interface during glass sealing operations at temperatures in the range of 1700° F. to 2200° F. and having the composition carbon 0.07 per cent maximum, manganese 0.50 to 2.00 per cent, silicon 0.25 to 1.00 per cent, nickel 30 to 60 per cent, columbium 0.50 to 2.00 per cent and the balance iron and incidental impurities.

2,471,080
AUSTENITIC STEEL HAVING HIGH HOT HARDNESS
Carl B. Post, Wyomissing, Pa., assignor to The Carpenter Steel Company
No Drawing. Application November 21, 1946, Serial No. 711,469
1 Claim. (Cl. 75—128)

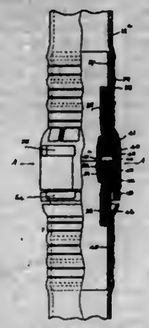
An austenitic stainless steel having a high hot hardness exemplified by Brinell hardnesses of 131 at 1200° F. and 113 at 1400° F. respectively, said steel having the following composition:

	Per Cent
Carbon	0.15 to 0.25
Manganese	1.00 to 1.50
Silicon	0.50 to 1.00
Chromium	20.00 to 22.00
Nickel	10.00 to 12.00
Nitrogen	0.15 to 0.20
Phosphorus (maximum)	0.02
Sulfur (maximum)	0.02

Balance iron except for incidental impurities

2,471,081
HOSE
Philip K. Saunders, Mamaroneck, N. Y.
Application April 13, 1945, Serial No. 588,084
22 Claims. (Cl. 138—60)

1. A hose for transferring fluids, which comprises end sections and at least one intermediate section, each end section having a head at its outer end formed with an opening provided with a removable closure, coupling members on the inner ends of the end sections and both ends of the intermediate section, adjacent coupling members cooperating to form fluid-tight connections, and reinforcing means extending lengthwise of each section through the interior thereof, the means within each end section being connected to the head and to the coupling member on that section and the means within the intermediate section being connected to the coupling members thereon.

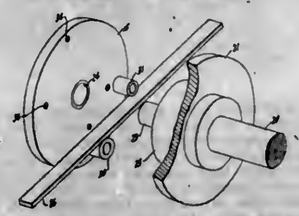


7. In a hose for transferring fluids, an end section having a coupling member on one end and a closed head on the other, the head having an opening provided with a removable closure, and reinforcing means extending lengthwise of the section within the interior thereof and connected to the coupling member and the head.

2,471,082
CALCIUM CADMIUM SILICATE PHOSPHOR
James H. Schulman, Cambridge, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
No Drawing. Application March 28, 1946, Serial No. 657,919
3 Claims. (Cl. 252—301.6)

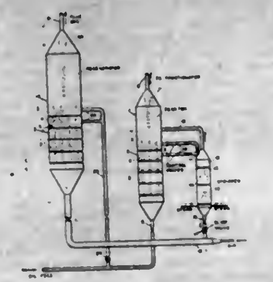
1. A luminescent material consisting essentially of calcium cadmium silicate, activated by manganese and lead, in which the cadmium is about 10 mol percent of the calcium cadmium compound.

2,471,083
MEANS FOR BENDING STRAIGHT STRIPS INTO ANNULAR COLLARS OR FLANGES BETWEEN A DISK AND OSCILLATING ROLLERS
Arvin Tuttle, Berkeley, Calif.
Application November 21, 1947, Serial No. 787,352
9 Claims. (Cl. 153—45)



1. Mechanism for producing arcuate metallic bodies, comprising a cylindrical anvil, a disc arranged coaxially with and adjacent to said anvil, a pair of rollers pivoted to said disc at angularly spaced points with their peripheries spaced equal radial distances from the periphery of said anvil, and means for selectively turning said disc in either direction of rotation.

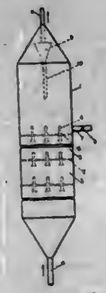
2,471,084
FLUIDIZED CATALYTIC CONVERSION OF HYDROCARBONS
Marion J. Wilcox, Harvey, Ill., and Ralph E. Hall, East Chicago, Ind., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application April 30, 1947, Serial No. 745,036
5 Claims. (Cl. 196—52)



1. A fluid catalyst process for the conversion of hydrocarbons including the following steps: passing the catalyst in suspension in hydrocarbon vapors to be converted into the lower end of a vertically elongated reaction chamber of relatively large transverse dimension, passing the vapors upwardly through said chamber through a plurality of alternate zones of low velocity and of high velocity, the superficial velocity of the vapors in the low velocity zones being within the range of 0.3 to 1.5 feet per second, the high velocity zone being composed of a plurality of restricted streams of substantial height and the velocity of the restricted streams being within the range of 3.5 to 7 feet per second whereby catalyst will drop out of suspension in the low velocity zones, forming relatively dense fluidized bodies of catalyst therein, permitting catalyst to gravitate downwardly from the respective high density bodies to the next lower zone in annular streams surrounding the respective upwardly flowing high velocity streams of the hydrocarbon vapors and withdrawing the spent catalyst and hydrocarbon vapors from upper portions of the reaction zone.

2,471,085
FLUID CATALYST PROCESS FOR THE CONVERSION OF HYDROCARBONS
Marion James Wilcox, Harvey, Ill., and Ralph Elden Hall, East Chicago, Ind., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 28, 1947, Serial No. 757,908
2 Claims. (Cl. 196—52)

1. In the fluid catalyst process for the conversion of hydrocarbons wherein a gaseous medium is passed upwardly in contact with a dense phase, fluidized body of catalyst in a contact chamber, the steps of maintaining in the contact chamber a plurality of dense phase, fluidized bodies of the catalyst interposed between alternate vertically spaced zones of lower catalyst density in which the catalyst in relatively low concentration is entrained in an upwardly rising gaseous medium, passing the suspension upwardly through relatively small, restricted passageways extending from below the lower end



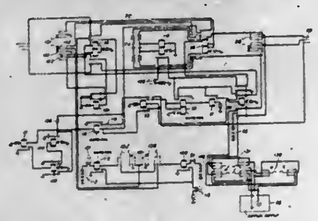
to substantially above the lower end of the respective dense phase bodies of catalyst, causing catalyst from the respective dense phase bodies to flow downwardly into the next lower zone in fine streams uniformly spaced over the transverse area of the contact chamber and withdrawing the gaseous medium from an upper portion of the chamber.

2,471,086
CHILD'S GARMENT
Charles Ackerman, Mechanicsburg, Ohio
Application May 3, 1947, Serial No. 745,746
1 Claim. (Cl. 2—80)



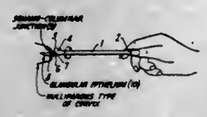
A child's garment of the type described comprising a waist portion and a trouser portion, a zipper adapted to support said trouser portion on said waist portion, said zipper being located just above the crotch of the trouser portion, said zipper starting at one side of the garment and extending almost completely around the garment to a point at such side but spaced from the starting point to prevent the zipper from completely detaching the trousers from the waist portion, and a flap member secured on the waist portion immediately above the zipper and overlying said zipper so as to hide the said zipper.

2,471,087
TOLL OPERATOR CONTROL FOR TELEPHONE COIN COLLECTORS
Gustave Adolph Anderson, Albany, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 9, 1946, Serial No. 660,614
6 Claims. (Cl. 179—6.3)



1. In a manual telephone system, a toll office, a local office, a line terminating at said local office, a pay station on said line including a coin receptacle having coin disposal means associated therewith, a toll switching trunk connecting said line with said toll office by way of said local office, sources of coin control current at said local office, similar sources of coin control current at said toll office, means at said toll office for connecting one of the said sources thereat to the tip conductor of said trunk, space discharge means responsive to the connection of the said one of said sources to the tip conductor of said trunk for projecting current from said source to said local office over the tip and ring conductors of said trunk, and space discharge means at the local office responsive to the projected current from the said one of said sources at said toll office for connecting a corresponding one of the sources at said local office to said line to effect a corresponding operation of the coin disposal means at said pay station.

2,471,088
CERVICAL SCRAPER
James Ernest Ayre, Mount Royal, Quebec, Canada, assignor to Clay-Adams Company, Inc., a corporation of New York
Application October 1, 1947, Serial No. 777,218
1 Claim. (Cl. 128—304)



A cervical scraper consisting of an elongated strip, one end of the strip being generally triangular and having a pair of unsymmetrical convex end sections connected by a section of concave configuration, one of said convex sections being substantially longer than the other, and said longer section being adapted to enter the cervical opening and function as a pivot, the shorter section functioning as a rotatable wing relative to said pivot, said concave section being adapted to scrape cells from the squamo-columnar junction in response to rotation of the scraper about the pivot afforded by said longer section.

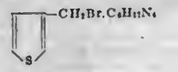
2,471,089
DOOR HOOK
John A. Bierwirth and Fritz Klaeden, Austin, Tex.
Application December 26, 1947, Serial No. 793,976
2 Claims. (Cl. 292—114)



1. A closure hook assembly comprising a coiled tension spring, a screw eye pivotally secured to one end of said spring, a hook pivotally secured to the opposite end of said spring, and a flexible strand extending through said spring and secured at its opposite ends to said screw eye and said hook, said hook being partly circular in form with an angular extent of more than a semi-circle and having a spring-receiving eye on one end thereof, and said strand having a length when stretched greater than the unstretched length of said spring by an amount substantially equal to the inside diameter of said hook.

2,471,090
3-THENYL BROMIDE SALTS
Ernest E. Campaigne and William M. Le Suer, Bloomington, Ind., assignors to Indiana University Foundation, Monroe County, Ind., a corporation of Indiana
No Drawing. Application November 28, 1947, Serial No. 788,662
4 Claims. (Cl. 260—329)

4. The hexamethylenetetramine salt of 3-thenyl bromide, having the formula:

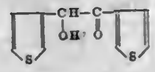


2,471,091
3-THENYL BROMIDE
Ernest E. Campaigne and William M. Le Suer, Bloomington, Ind., assignors to Indiana University Foundation, Monroe County, Ind., a corporation of Indiana
No Drawing. Application November 28, 1947, Serial No. 788,664
6 Claims. (Cl. 260—329)
6. 3-thenyl bromide, having the formula:

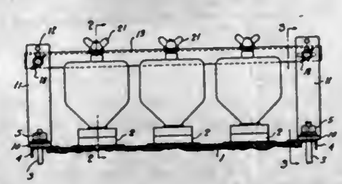


2,471,092
PREPARATION OF 3-THENALDEHYDE
Ernest E. Campaigne and William M. Le Suer, Bloomington, Ind., assignors to Indiana University Foundation, Monroe County, Ind., a corporation of Indiana
No Drawing. Application November 28, 1947, Serial No. 788,665
4 Claims. (Cl. 260—329)
1. The process which includes: steam-distilling a water solution of a quaternary methyleneamine salt of 3-thenyl bromide.

2,471,093
3,3'-THENOIN
Ernest E. Campaigne and William M. Le Suer, Bloomington, Ind., assignors to Indiana University Foundation, Monroe County, Ind., a corporation of Indiana
No Drawing. Application November 28, 1947, Serial No. 788,666
1 Claim. (Cl. 260—329)
As a new compound, 3,3'-thenoin, having the formula



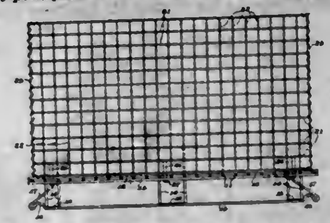
2,471,094
STORAGE BATTERY FILLING DEVICE SUPPORT
Victor H. Christen, Sierra Madre, Calif.
Application April 10, 1946, Serial No. 660,881
5 Claims. (Cl. 136—162)



1. An apparatus for holding inverted containers of liquid in position relative to the filler openings of the cells of an electric storage battery for the maintenance of the level of the electrolyte therein, wherein there are bolts for holding the battery in place, comprising brackets substantially of L shape having substantially horizontal arms with apertures therein for receiving said bolts so that said brackets are secured thereby, said brackets having upwardly extending arms, a support carried by the arms in a position above and laterally removed from the filler openings, a spring arm for each cell, means for attaching one end of each arm to the support so that the arms project from the support and overlie the containers for the cells, a clip constructed to be slidably mounted on each arm for adjustable movement lengthwise thereof, and a button-like member of rubber material mounted on each clip for engaging the upper part of an inverted container under the action of the spring arm to hold the container in position.

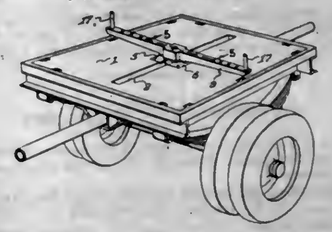
2,471,095
COMBINED PALLET AND CRATE STRUCTURE
Burton C. Colt, Jr., Washington, Pa., assignor to Tri-State Engineering Company, Washington, Pa., a corporation of Maryland
Application February 5, 1947, Serial No. 726,687
5 Claims. (Cl. 248—120)

1. A combined pallet and crate structure comprising a pallet having a deck, vertical crate walls adapted to rest upon the deck, means for detachably connecting the lower edges of the walls to the deck, the walls being hingedly connected together at the corners of the crate, whereby they may be folded upon one another when removed from the pallet deck, legs for the deck, and floorbars connecting the lower ends of the legs and having vertically offset portions near their ends, that partly embrace the upper edges of the crate



walls, to prevent horizontal shifting of a pallet on a crate upon which it is stacked.

2,471,096
DISAPPEARING BOLSTER FOR VEHICLES
Vincent L. Colorigh, Tulsa, Okla.
Application November 10, 1947, Serial No. 785,083
3 Claims. (Cl. 280—143)

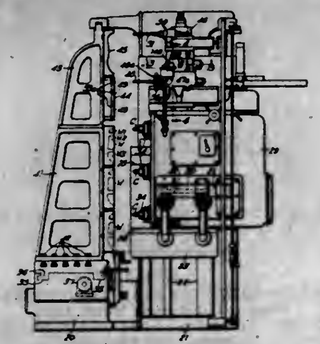


1. In combination with a vehicle floor, of a bolster carried thereby and adapted to be housed in said floor with its upper side flush with the upper side of the floor, a longitudinally extending bolster receiving chamber in the floor, a supporting bracket within the bolster chamber and spaced from its ends, a vertically removable bolster carrying block in said bracket and forming means whereby the bolster can be raised from the floor chamber and transversely positioned in relation to the chamber, said bolster being pivotally connected to the vertically movable block within the bracket.

2,471,097
PATTERN CONTROLLED MACHINE TOOL
Albert H. Dall and Herman Horlacher, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application July 29, 1944, Serial No. 547,200
34 Claims. (Cl. 90—13.5)

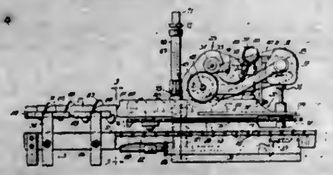
1. In a pattern controlled milling machine having a pair of relatively movable slides, fluid pressure actuating means for said slides, a work piece and pattern mounted on one of said slides and a cutter and tracer mounted on the other of said slides, and directional control means in connection with said tracer for effecting the simultaneous operation of said slides by said fluid pressure actuating means to determine the resultant direction of movement of the work and cutter, the combination of fluid pressure control means to effect orientation of said directional control means to a predetermined position to effect a relative longitudinal feeding movement between

said cutter and work piece, and further fluid pressure control means rendered operative by the engagement of said tracer with said pattern during



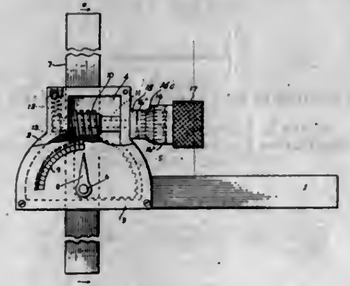
said longitudinal feeding movement to effect a relative cross indexing movement of cutter and work piece normal to said longitudinal feeding movement.

2,471,098
ROTARY MARKING MEANS FOR CONTAINERS
Lynn E. Davies, Park Ridge, Ill., assignor to White Cap Company, Chicago, Ill., a corporation of Delaware
Application September 1, 1945, Serial No. 614,014
3 Claims. (Cl. 101—35)



1. A machine for automatically applying identifying marks to substantially flat container covers positioned on the tops of flat bottomed containers in a canning or other line, comprising an endless conveyor having a flat horizontal upper stretch on which the bottoms of the containers are adapted to rest with the containers in upright positions, means for moving the conveyor to cause the containers to advance from the infeeding end of said upper stretch toward the outfeeding end, a marking device above the upper stretch of the conveyor provided with a wheel having one or more impression units on its periphery which are adapted to contact with and mark the covers on the containers as the latter pass beneath the same, said wheel being rotatable on a horizontal axis arranged at right angles to the direction of movement of the upper stretch of the conveyor, means for positioning and positively moving the containers in uniformly spaced single file order in longitudinal alignment with the plane of rotation of the wheel during the marking operation, means on the wheel separate from the impression units for frictionally engaging the covers to prevent relative movement between the impression units and the covers, and means operating in timed relation to said positioning and moving means for rotating the wheel to move the impression units in the same direction and at the same linear speed as the covers on the containers.

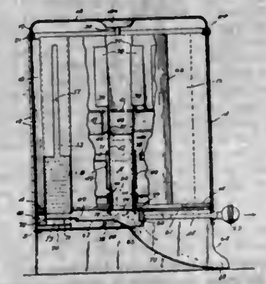
2,471,099
MICROPROTRACTOR
Walter M. Dethlefs, Santa Monica, and Fred Minder, Los Angeles, Calif.
Application August 24, 1945, Serial No. 612,472
1 Claim. (Cl. 33—75)



A micro-protractor consisting of a frame provided with a housing and a removable cover, a protractor with suitable arcuate scale to record degrees of an angle mounted on said cover with its base aligned on a straight-edge of the frame, an index-pointer mounted concentrically with said arcuate scale, a straight-edge mounted beneath said frame concentrically with said arcuate scale and adapted to rotate in conjunction with the index-pointer which is aligned therewith, a rotatable vertical shaft mounted in said housing to which is secured said straight edge and index pointer, a gear toothed sector carried by said shaft, a horizontally disposed shaft mounted for limited lateral play, a worm on said last named shaft in meshing engagement with said gear sector, a coiled spring adapted to bear on said last named shaft laterally to maintain the worm in mesh with said sector, a thimble attached to the end of the last named shaft exteriorly of said housing and having a scale disposed about its periphery divided into one-quarter degrees or fifteen minutes, a sleeve fixedly mounted on said frame in cooperative association with said thimble and having a scale disposed about its periphery, each division of which is equal to one-fifteenth of the circumference of the sleeve.

2,471,100
DISPENSING APPARATUS
Ralph E. Dodge, Clermont, Fla.
Application September 25, 1945, Serial No. 619,434
5 Claims. (Cl. 31—6)

2. In a cutter and dispenser, the combination, which comprises a magazine having a plurality of vertically disposed radially positioned compartments in the periphery thereof, means rotatably mounting the magazine with the axis thereof vertically disposed, horizontally positioned doors carried by the magazine hinged in the lower ends of the compartments, a cylindrical casing surrounding said magazine, said casing having an inwardly extending bead supporting the outer ends of the doors, a vertically disposed holder positioned to register with the lower ends of the compartments of the magazine alternately below the doors, a surrounding housing enclosing the magazine and casing, said housing having a throat extending from the exterior thereof through the cylindrical casing positioned to register with the compartments of the magazine respectively through which the compartments may be filled, the door-supporting bead of the casing extending from the far side of the throat to the near side of the vertically disposed holder, a slider positioned to travel below the



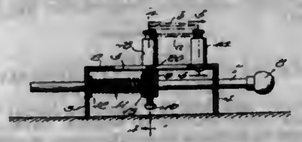
lower end of the holder having a handle extending from the exterior of the housing, a cutter on the slider adapted to sever products from the holder, a plate-holding tube disposed in the path of said slider, means depositing a plate upon the slider from the plate-holding tube as the slider is actuated, means actuating the magazine to position the next compartment over the holder by the slider as a product in the holder is exhausted, and a discharge chute positioned to receive products cut by the cutter of the slider extending to the exterior of the housing.

2,471,102
TREATMENT OF MICROCRYSTALLINE RESIDUES AND PRODUCTS RESULTING THEREFROM
John J. Fish, New York, N. Y., assignor to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 4, 1945, Serial No. 632,785
15 Claims. (Cl. 196—78)

1. A process of improving petroleum microcrystalline residues which comprises treating them with aluminum chloride in the presence of hydrogen chloride and then blowing with air in the presence of a chlorinated hydrocarbon.

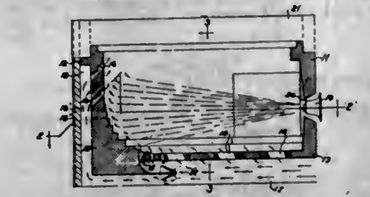
14. As a new material, wax products resulting from the treatment, with oxygen, at a temperature of 100–175° C. of mixtures of a petroleum microcrystalline residue and non-volatile chlorinated hydrocarbon.

2,471,103
WATCH MOVEMENT HOLDER
David Franks and Morris Shapiro, Washington, D. C.
Application July 26, 1945, Serial No. 607,169
2 Claims. (Cl. 81—6)



1. A watch movement holder comprising a base plate, leg portions depending from the end portions thereof, said base plate having longitudinal slots formed therein, a pair of stationary pins extending upwardly from the base plate adjacent one end of the respective slots, a pair of coacting movable pins operable through the respective slots in the base plate, means on the upper ends of the pins for engaging and supporting a watch movement, a slidable rod extending through said leg portions, a block secured on said rod, said movable pins being mounted on the block, and spring means associated with the rod and holder for normally urging the movable pins toward the stationary pins.

2,471,101
SECONDARY COMBUSTION AIR DISTRIBUTION CONTROL FOR BRIDGE WALL FURNACES
Charles E. Feinberg, Detroit, Mich.
Application March 31, 1945, Serial No. 585,974
11 Claims. (Cl. 110—75)

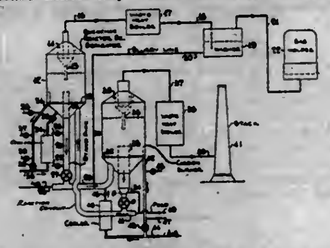


3. In a furnace having a deck and a bridge-wall defining a fire chamber, and having communicating air ducts beneath said deck and on the outside of said bridge-wall with a plurality of air inlets in said deck adjacent said bridge-wall and in said bridge-wall near the top of said chamber, a pivotal upper air gate in said deck duct controlling communication to said deck inlets, a pivotal lower air gate in said deck duct controlling communication to said bridge-wall duct, and operating means interconnecting said gates to progressively open the upper gate and then the lower gate.

2,471,104
PRODUCTION OF UNSATURATED HYDROCARBONS AND HYDROGEN
Edwin J. Gohr, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 10, 1944, Serial No. 562,856
7 Claims. (Cl. 260—679)

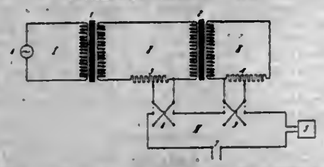
1. A process for effecting hydrocarbon reactions in gaseous phase at high temperatures which comprises commingling hydrocarbon gases to be reacted with highly heated refractory powder while said powder is substantially above the reaction temperature, the amount of said powder being sufficient to heat said gas to reaction temperature and supply the heat of reaction, maintaining said hydrocarbon gas in admixture with said powder for a period sufficient to obtain the desired reaction, thereafter passing the total effluent of gaseous reaction products and powder into the bottom portion of an enlarged zone, reducing the velocity of the gases passing upwardly through said enlarged zone sufficiently to cause said powder to separate into a rela-

tively dense, fluid layer in the bottom portion of said zone, removing gaseous reaction products from the top of said zone, separately withdrawing a stream of powder from the bottom portion of said zone below the level of said layer, cooling a portion of the powder so withdrawn to a temperature materially below the desired reaction



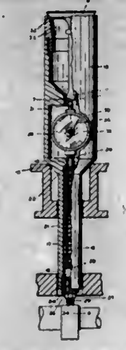
temperature, returning the powder so cooled to said layer, heating another portion of the powder removed from said enlarged zone to a temperature materially above the desired reaction temperature and commingling said highly heated powder with additional hydrocarbon gas to be reacted.

2,471,105
ALTERNATING CURRENT COMPENSATOR CIRCUIT FOR MEASURING
Gotthard Viktor Arneid Gustafsson, Akeshov, and Johan David Malmqvist, Boliden, Sweden, assignors to Boldens Gruvaktiebolag, Stockholm, Sweden, a limited joint-stock company of Sweden
Application December 12, 1944, Serial No. 567,882
In Sweden July 7, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 7, 1963
5 Claims. (Cl. 171—95)



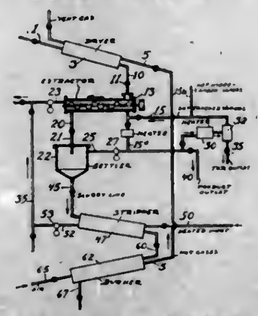
3. A compensating circuit for alternating voltage measurements that comprises a primary circuit, a secondary circuit, a tertiary circuit, and a measuring circuit including input connections for the voltage to be measured, the primary circuit including an alternating current power source and being coupled to the secondary circuit by a transformer, the secondary circuit including the resistance element of a potentiometer and being coupled to the tertiary circuit by a transformer, the tertiary circuit including the resistance element of a second potentiometer, and the measuring circuit including variable portions of each of the potentiometers as controlled by the sliding contact thereof, and also a detector of alternating current connected into the measuring circuit so as to measure alternating current therein, the transformer coupling between the primary, secondary and tertiary circuits being such that the secondary circuit is caused to be substantially 180° out of phase with the primary circuit and the tertiary circuit is caused to be substantially 90° out of phase with the primary circuit.

2,471,106
VALVE CLEARANCE GAUGE
Clarence E. Hall, Portland, Oreg.
Application June 28, 1945, Serial No. 602,945
4 Claims. (Cl. 33—181)



1. A gauge for indicating the length of a valve lifter to be used to gauge a valve for an engine, comprising a hollow body having upper and lower ends, a stem movable in the lower end of the hollow body and protruding therefrom to cooperate with the lifting cam of the valve assembly, an indicator mounted in the hollow body and carried by and movable with the stem, said hollow body having a valve seat at its upper end to receive the valve being gauged, said indicator having an actuating member beneath said valve seat, said valve when in said seat in the hollow body engaging and operating the actuating member to indicate the length of the valve lifter to be used with that valve when in position in the engine.

2,471,107
RECOVERY OF HYDROCARBON OIL
Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 28, 1945, Serial No. 637,613
1 Claim. (Cl. 196—14)

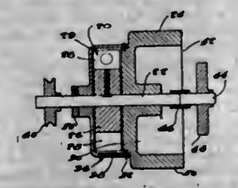


A continuous method for recovering hydrocarbon oil from bituminous solids which comprises subjecting said bituminous solids to the influence of heated gases in a drying zone, withdrawing the thus dried bituminous solids from the drying zone, discharging them into an extraction zone, contacting said bituminous solids in the last-named zone at an elevated temperature with vaporized normally liquid hydrocarbons preheated at least to extraction temperature while agitating the said bituminous solids whereby hydrocarbon material contained in said bituminous solids is extracted therefrom, recovering for product from said extraction zone a gasiform hydrocarbon material containing hydrocarbons and withdrawing from said extraction zone spent bituminous solids in the form of an oil slurry, discharging the said slurry into a settling zone, permitting the slurry to remain resident in the settling zone for a sufficient period of time to permit stratification to form a lower spent bituminous solids phase and an upper liquid phase, withdrawing the liquid phase from the said separating zone, reheating at least a portion of said liquid partially to vaporize the same, employing said heated vapors to contact the dried bituminous solids in the said extraction zone, withdrawing the said spent bituminous solids from the settling zone, discharging them into the stripping zone where they are treated with a hot inert gas to recover a further portion of hydrocarbon vapors, withdrawing the stripped solids from the stripping zone, discharging them into a burning zone, causing combustion of fixed carbon contained in said solids in said burning zone, withdrawing the gaseous combustion products from said burning zone and discharging them into said drying zone where they contact the fresh bituminous solids.

2,471,108
TREATMENT OF SULFUR CONTAINING HYDROCARBONS
Boyd N. Hill, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application June 6, 1947, Serial No. 753,038
11 Claims. (Cl. 196—32)

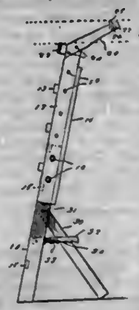
1. A method for treating a hydrocarbon distillate containing sulfur and acidic constituents which includes the steps of forming a bed of clay, alkali sulfide and an alkali hydroxide, having a water content in the range between 30% and 50% of the bed and a clay content in the range between 5% and 30% of the bed, contacting a contaminated hydrocarbon distillate containing sulfur and acidic constituents with said bed, and recovering a treated distillate from the bed.

2,471,109
PNEUMATICALLY DRIVEN POWER UNIT
Hiland G. Hunt, Natick, Mass.
Application October 2, 1945, Serial No. 619,737
1 Claim. (Cl. 253—40)



A pneumatic power unit, comprising: a hollow base member having a closed end and an open end, said closed end providing an outwardly disposed flat, planar surface and the boundaries of said open end defining a plane substantially parallel to said outwardly disposed flat planar surface, said base member having at least one additional flat planar surface between said closed end and said open end and being arranged substantially perpendicular to said plane defined by said boundaries of said open end of said base member; a hollow casing secured to said flat planar surface, said hollow casing having a tangential inlet and an outlet; a power take-off shaft journaled in said base member and in said casing and disposed substantially perpendicular to said flat, planar surface, with one end of said shaft extending outwardly beyond said casing and the other end of said shaft terminating between the open and closed ends of said hollow base member with said other end being exposed, whereby additional power take-off means may be removably secured thereto; a vaned rotor secured to said power take-off shaft within said casing; and means for supplying a moving stream of gas through said tangential inlet so as to impinge against the vanes of said rotor, the arrangement being such that said power unit may be operatively supported, as desired, on said open end of said hollow base member with said power take-off shaft in a substantially vertical position or on said additional flat planar surface with said power take-off shaft in a substantially horizontal position.

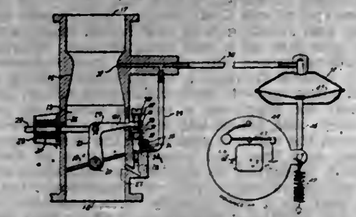
2,471,110
LADDER FOR HANGING PAPER
John Jenkins, La Grande, Oreg.
Application August 19, 1947, Serial No. 769,461
1 Claim. (Cl. 228—26)



A device for use in hanging paper and the like comprising a pair of telescopically arranged ladder sections including a top section and a lower section, means for securing said ladder sections together in any one of a plurality of aligned positions to provide a ladder of predetermined length, paper supporting means carried by the upper end of said top section, said paper supporting means including a pair of brackets attached to the upper end of said upper section and projecting rearwardly and upwardly, a horizontally extending rod connecting the outer ends of said brackets, means pivotally secured to said lower section for supporting said sections in an upright position and adjustable to move said paper supporting means toward or away from a ceiling to be papered, said last mentioned means comprising a pair of legs pivotally secured to said lower section in parallel spaced relation, said legs each being provided with an outwardly projecting pin adjacent the middle thereof, a pair

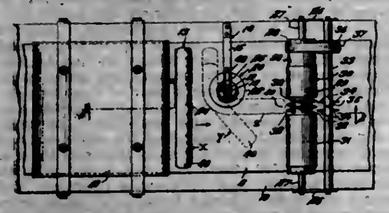
of notched arms pivotally secured to said lower section at points spaced from and beneath said legs, said notched arms being operatively engageable with said pins.

2,471,111
MECHANISM FOR UTILIZING THE MANIFOLD SUCTION OF INTERNAL-COMBUSTION ENGINES
Marion Mallery, Detroit, Mich.
Application January 31, 1947, Serial No. 726,686
15 Claims. (Cl. 123—117)



1. In an internal combustion engine having an intake passageway and a throttle valve controlling the flow of motive fluid into the engine, the combination comprising a servo-motor, a conduit connecting said servo-motor into the intake passageway on the engine side of said throttle valve at all positions of the throttle valve, valve means for controlling communication between the said intake passageway and said servo-motor through said conduit, and adjustable means interconnecting said throttle valve and said valve means whereby said throttle valve and valve means open and close in unison, said interconnecting means closing said valve means whenever the throttle valve is in idle position, said interconnecting means and valve means cooperating when said valve means is closed to positively limit the closing movement of said throttle valve, said interconnecting means being constructed and arranged so that it can be adjusted to vary the idle position of the throttle valve without affecting the opening and closing of the said valve means.

2,471,112
DOUGH HANDLING MACHINE
Harry W. Maull, Maplewood, and Joseph H. Sauter, Rutherford, N. J., assignors to General Baking Company, New York, N. Y., a corporation of New York
Application August 24, 1945, Serial No. 612,416
20 Claims. (Cl. 107—4)



17. In a dough handling machine the combination comprising, an endless belt having a top substantially horizontal run, means to position an elongated roll of dough on said upward run with its axis extending substantially transversely of said belt, an orienting roller mounted above said run in the path of said roll and to one side of the path of the middle of said roll when carried forward by said run to cause said roll to be oriented for end on forward movement, means supporting said roller for free rotation about its axis with the latter arranged substantially normal to the surface of said run, and rotatable slashing means mounted above said run to receive said roll therebeneath after orientation to end on position and to form slashes along said roll as the latter is carried beneath said slashing means by said belt.

2,471,113
SPORTS SHOE
Frank A. Melchionna, Cincinnati, Ohio
Application September 29, 1947, Serial No. 776,840
15 Claims. (Cl. 36—2.5)



1. In a spike mounting plate for a sports shoe, a sheet metal plate adapted marginally for attachment to a selected face of an outer sole of a shoe, said plate having shallow bosses formed in predetermined relation and forming depressions in the top of the plate, said depressions each having a noncircular hole therethrough, spike elements comprising flat head portions seating in the depressions flush with the top surface of the plate and a threaded shank portion accessible from the bottom of the plate, said shank portions being swaged immediately below the head to form a noncircular portion conforming to and binding on the edge of the corresponding hole in said plate and conforming to and binding on a marginal surface of the boss surrounding the hole said elements are permanently and immovably fixed to the bosses.

2,471,114
POLISHING BONNET
George Edwin Metcalfe, Bridgeport, Conn.
Application October 16, 1947, Serial No. 780,283
4 Claims. (Cl. 15—230)

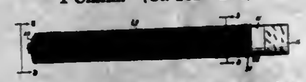


1. A polishing device comprising two sheets formed of flexible, sheet, polishing material, each sheet having a polishing side and a back side; and a flexible fastening strip having opposite longitudinal edge portions secured to edge portions respectively of the one sheet and the other and permanently securing the sheets together in back-to-back relation, substantially the entire edge portions of the strip and sheets being secured together whereby the sheets and strip form an enclosure, the strip engaging the polishing sides of the sheets and the edges of the sheets and strip facing in substantially the same directions whereby they may be all disposed within the said enclosure; and means carried by the fastening strip for removably securing the sheets and strip to a driving wheel whereby the sheets overlie the face of the wheel in superposed relation.

2,471,115
LUBRICATING OIL
Louis A. Mikeska, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 19, 1946, Serial No. 697,919
9 Claims. (Cl. 260—461)

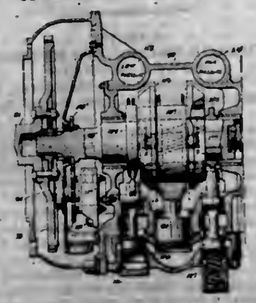
6. A method of preparing an oil soluble additive for mineral lubricating oils which comprises reacting a mixture of paraffin wax-phenol and an unsubstituted aliphatic monohydroxy alcohol containing 1 to 18 carbon atoms, such mixture having 1 to 2 wax-phenol hydroxyl groups for each molecule of alcohol, with a sufficient amount of phosphorus pentasulfide to convert the phenol and alcohol present into dithiophosphoric acids, and further converting the product thus formed with an oxidizing agent selected from the group which consists of potassium triiodide, sulfur dichloride, and sulfur monochloride capable of converting the same into a polysulfide.

2,471,116
CIGARETTE SHIELD
Michael P. Newberger, Cleveland, Ohio
Application February 21, 1945, Serial No. 579,035
1 Claim. (Cl. 131—174)



A cigarette protector, consisting of a sleeve member having ends and formed of woven non-inflammable strands and capable of expanding radially when compressed longitudinally, the said sleeve member strands being spaced to form air or smoke vents when applied to a cigarette, one of the said ends being closed to encase the burning end of the cigarette, the other of the said ends being folded upon itself, and an adhesive between the layers of the fold fixing and stiffening the same to prevent radial expansion or contraction and longitudinal stretching thereof.

2,471,117
POWER TRANSMISSION
Elias Orshansky, Jr., Stamford, Conn., assignor to The Aerotorque Company, Stamford, Conn., a corporation of Connecticut
Application May 12, 1945, Serial No. 593,417
35 Claims. (Cl. 103—174)



1. A hydraulic unit comprising, in combination, a cylinder, a piston reciprocable therein, means for varying the length of the stroke of said piston, said cylinder having a port for the passage of liquid, adjustable valve means for opening and closing said port, and means interconnecting said piston stroke varying means and valve means for changing the time of opening of said port in accordance with length of the piston stroke.

2,471,118
DETACHABLE ENGINE MOUNT AND ACCESSORY COUPLING
Charles E. Patterson, Pacific Palisades, Calif., assignor to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application December 11, 1943, Serial No. 513,934
6 Claims. (Cl. 244—54)

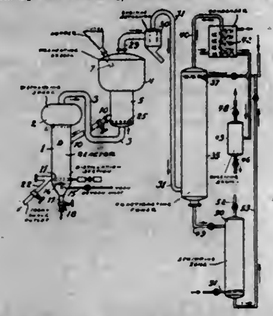


1. In an aircraft engine installation, a fuselage structural element, an engine mount structural element, a transverse fire-wall member having a plurality of openings therein intermediately disposed between said fuselage and engine mount structural elements, connecting means comprising a pair of plate elements each provided with a plurality of matching openings similarly spaced with respect to the openings in the other said plate and the openings in said fire-wall member to form coinciding openings therethrough, conduits arranged for the transmission of fluid through said matching plate elements and said fire-wall member, a portion of each said conduit removably mounted in one of a pair of the said matching openings in the respective plate elements, and fastening means extending through further matching openings in said plate elements and said fire-wall member, said fastening means arranged for the support of said engine mount structural element from said fuselage structural element and also the support of said plate elements in their matching relationship on opposite sides of said fire-wall member, said fluid conduits being disconnected simultaneously with the separation of said engine mount structural element from said fuselage structure upon detachment of said fastening means.

2,471,119
FLUIDIZED SHALE AUTOTHERMIC DISTILLATION
Edward B. Peck, Elizabeth, and Douglass G. Tomkins, Summit, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application September 22, 1943, Serial No. 503,394
9 Claims. (Cl. 202—6)

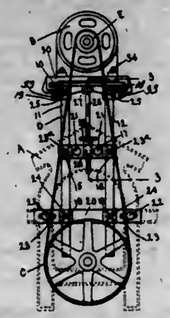
1. In the continuous distillation of oil-bearing shale, the improvement which comprises charging oil-bearing shale particles of about ¼ to ½-inch size to a preheating zone, flowing a mixture of hot combustion gases with hydrocarbon vapors from shale oil carrying in suspension dry shale powder into contact with said shale particles in the preheating zone, said mixture having substantially an oil shale distillation temperature, fluidizing and heating said shale particles in said preheating zone by said mixture to above the condensation temperature of the vapors, feeding the

preheated shale particles into a separate distillation zone wherein they form a fluidized mass having an upper level, flowing hot combustion gases up through said fluidized mass at an oil shale distillation temperature to form the hydrocarbon vapors and disintegrate shale particles in the fluidized mass to dry shale powder, burning said spent shale particles with oxygen in the



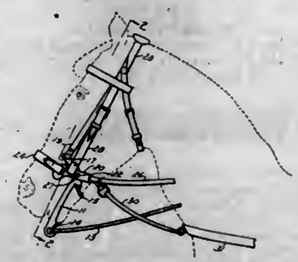
lower portion of said distillation zone to form the hot combustion gases flowing up through the fluidized mass, disengaging hot combustion gases mixed with the hydrocarbon vapors and dry shale powder formed in the fluidized mass from oil-bearing shale particles at above said upper level of the fluidized mass to form said mixture flowing into the preheating zone, and withdrawing vapors and gases from said preheating zone.

2,471,120
MOTOR MOUNTING ATTACHMENT
Nelson J. Pepin, Lowell, Mass.
Application November 29, 1944, Serial No. 565,705
2 Claims. (Cl. 248—23)



1. Mechanism for supporting a driving motor in such position above a shaft to be driven that a belt and pulley driving connection between motor and shaft may be maintained, said mechanism, including a platen, means for supporting the platen at a suitable elevation, said means being adjustable so that the platen may be moved vertically to a desired position and locked in said position, and means associated with the platen for facilitating the attachment to said platen of a motor base, said last mentioned means including elongated skids disposed in parallel relationship and slidably resting upon the upper surface of said platen so as to be bodily movable toward and away from each other, the end of each skid extending around the adjacent terminal edge of the platen and terminating beneath the platen and each skid having formed therein two spaced bolt receiving slots extending in directions transverse to the direction in which the skids may be bodily moved, bolts extending upwardly through said slots, respectively, and movable longitudinally therein and elements attached to the terminal ends of said skids, respectively, for securing said skids against movement relatively to each other and relatively to said platen, said elements being adapted to be brought into engagement with the undersurface of said platen.

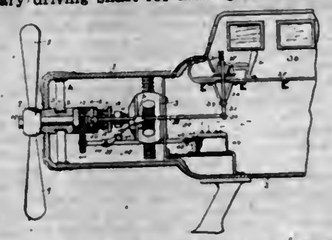
2,471,121
BRIDLE
Frank D. Reed, Jr., Detroit, Mich., assignor to Barbara Reed, Detroit, Mich.
Application April 26, 1946, Serial No. 665,223
2 Claims. (Cl. 54—6)



1. A bitless bridle comprising in combination a nose band, rearwardly extending arms joined to the ends of said nose band adapted for positioning on opposite sides of a horse's head, a pair of rotatable levers pivotally mounted on said arms, a headstall positioned back of the horse's ears with its free ends secured to the upper ends of said levers, said latter ends extending forwardly maintaining said headstall taut so that any forward pivotal movement of said ends will immediately apply control pressure back of the horse's ears, and manually operated reins joined to the lower ends of said levers to effect pivotal controlling movements thereof.

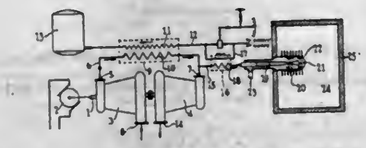
2,471,122
INTERCHANGE MECHANISM BETWEEN TWO POWER SOURCES
Artie Thomas Reynolds, McAlester, Okla.
Application September 18, 1946, Serial No. 697,688
3 Claims. (Cl. 74—339)

1. In a power-interchange mechanism, the combination of a driven element that includes a gear-wheel and a clutch element, a primary motor, a primary driving shaft operatively connected to said primary motor and journalled in said driven element, a clutch-element secured on said primary driving shaft and movable into and out of cooperative engagement with the first said clutch-element, a secondary driving shaft, a secondary motor operatively connected to said secondary driving shaft so as to effect rotation of the latter, a secondary gear-wheel united with said secondary shaft, means to shift the second-said clutch-element out of engagement with the first-said clutch-element, and means cooperative with the first-said means and with said secondary driving shaft for moving said secondary



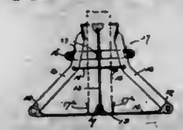
gear-wheel into operative engagement with the first-said gear-wheel.

2,471,123
CALORIC ADJUSTING
Auguste Louis Marie Antoine Rouy, New York, N. Y.
Application June 2, 1945, Serial No. 597,290
2 Claims. (Cl. 257—9)



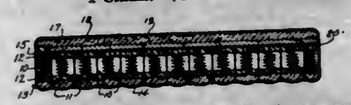
1. In a caloric adjusting device, including, in combination: a common shaft; a turbine compressor, a power turbine, and a gas turbine, provided with a combustion chamber, connected to the common shaft; a prime mover connected to the same common shaft whereby the prime mover may be utilized to initially rotate the common shaft and the power turbine may furnish part of the power needed to continue the rotation of the common shaft and the gas turbine may furnish the residue of power required; a hot water storage tank; an interconnecting duct between the outlet of the compressor and the inlet of the power turbine, and having a branch connected to the combustion chamber; a gas turbine duct connected to the outlet of the gas turbine and in heat exchange relation to the outlet from the power turbine; a source of water, two water supply ducts connecting the source of water and the hot water storage tank; a source of combustible fluid connected to the combustion chamber; an exhaust duct connected to the outlet of the power turbine; four heat power turbine exchangers, one interposed in the exhaust duct and the gas turbine exhaust duct, one interposed in the branch duct to the combustion chamber and the gas turbine exhaust duct, one interposed in one of the water supply ducts and the gas turbine exhaust duct, and one interposed in the other of the water supply ducts, the gas turbine exhaust duct and the interconnecting duct between the compressor and the power turbine whereby the compressor may be started initially by the prime mover and continued in operation by the gas turbine alone, but with the assistance of the power turbine and whereby the fluid compressed in the compressor is expanded in the power turbine to furnish power, part of the fluid heated by compression in the compressor is diverted to the combustion chamber of the gas turbine to furnish a heated combustion supporting fluid to combine with the combustible fluid supply to the combustion chamber of the gas turbine outlet whereby the fluid compressed in the compressor is in heat exchange relation to both the gas turbine and duct and one of the two water supply ducts and whereby the gas turbine duct is in heat exchange relation to the other of the water supply ducts and whereby the gas turbine outlet duct is in heat exchange relation to the power turbine exhaust whereby fluid of desired temperature may issue from the power turbine exhaust adapted for controlling the temperature of a desired space and hot water, adapted for domestic use, may be produced and stored, all with the expenditure of a minimum of energy.

2,471,124
CHRISTMAS TREE STAND
Herman Amil Smith, Chicago, Ill., assignor of forty-nine per cent to Maynard A. Williams, Chicago, Ill.
Application November 28, 1947, Serial No. 788,462
1 Claim. (Cl. 248—44)



In a tree holder, pivotally connected base members, angular brace arms pivotally connected to said base members, the free ends of said brace arms being twisted and forked, a wire connecting said brace arms, a resilient pitted anchor ring adjustably connecting said brace arms above said wire, and resilient prongs carried by said base members spaced apart to receive the tree.

2,471,125
BED MATTRESS
Carl R. Sohn and Arthur G. Sohn, Chicago, Ill.
Application June 10, 1947, Serial No. 753,646
1 Claim. (Cl. 5—351)

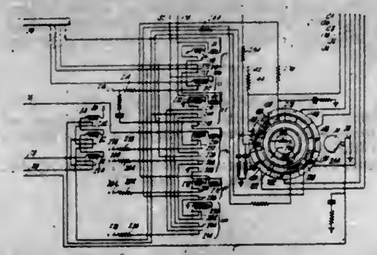


A bed mattress comprising an inner-spring unit, inner-pads of coarse fibre disposed one at each side of said unit, an outer-pad overlying one of said inner-pads, ticking overlying said outer-pad, a sheet of fabric overlying the other of said innner-pads, tufting threads extending through said ticking, inner-pads, inner-spring unit and fabric sheet, a bed-board structure overlying said fabric sheet and secured to said inner-spring unit, an outer-pad overlying said bed board, ticking overlying said last-mentioned outer-pad, and a border surrounding said mattress and secured at its edges to the edges of said ticking.

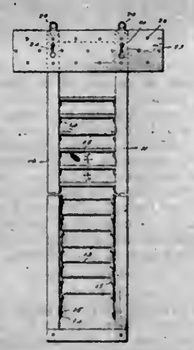
2,471,126
CODE CONVERTER AND ERROR DETECTOR
James A. Spencer, Teaneck, N. J., and Lewis A. Thomas, Brooklyn, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application October 24, 1946, Serial No. 705,314
6 Claims. (Cl. 178—3)

1. In a telegraph system utilizing uniform length code signals having a fixed number of

mark and space elements, a plurality of parallel impedance devices each respectively actuated by said mark elements, a plurality of error-detecting relays actuated under control of currents flowing through said impedance circuits, translating means responsive to the mark elements of said code signals and having a shift device adapted to actuate a plurality of shift conditions in the translating means each in response to a corresponding plurality of code signals, each said condition being maintained until a subsequent shift signal is received, means actuated by said translating means for converting said signals into code signals having a different number of mark and space elements, and means actuated by said error-detecting relays for causing said converter means to set up a predetermined code group indicative of an error whenever said signals contain an abnormal number of marking elements and actuating said shift device to select one of said shift conditions during an error indication and to return said shift condition to its preceding condition.

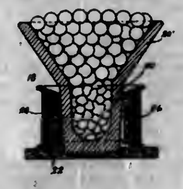


2,471,127
MAP AND KEY HOLDER
Nobe D. Stanley, Sr., Fayetteville, N. C.
Application May 27, 1947, Serial No. 750,792
2 Claims. (Cl. 211—104)



1. A wall rack for supporting folded maps or the like against a wall, said rack comprising a pair of fixedly spaced vertical siderails having means of suspension upon a wall, a plurality of vertically spaced substantially inverted U-shaped rack elements comprising bight portions only slightly shorter than the distance between the inward sides of the siderails and relatively short legs diverging downwardly from the ends of the bight portions and pivoted at points intermediate their ends to the inward sides of said rails, stops projecting inwardly from the inward sides of the siderails at points above and to the rear of the pivotal points of said legs and engageable by said legs below their pivotal points in a predetermined substantially horizontal position of said rack elements preventing downward pivoting of said rack elements beyond such predetermined horizontal position, said rack elements being formed of flat metal strap with the legs thereof frictionally engaging the inner sides of the siderails in a manner to limit free pivoting of said rack elements and enable said rack elements to retain positions imparted thereto between the predetermined horizontal position and a vertical position between said siderails whereby folded maps or the like can be supported by being gripped between two vertically adjacent rack elements or by being gripped between two vertically adjacent rack elements or by being pressed by one or more of said rack elements against the surface of the wall upon which the rack is suspended.

2,471,128
INCANDESCENT ELECTRIC HEATER
John I. Stein, Muncie, Ind.
Application October 23, 1945, Serial No. 623,905
2 Claims. (Cl. 219—47)



1. An electrically-operated space heater comprising a crucible shaped to provide a substantially cylindrical lower part, and a flared top part having a capacity greater than that of said lower part, a body of material capable of becoming incandescent upon induction heating thereof disposed within the lower part of said crucible, an electric induction coil arranged in surrounding relationship with respect to said lower part for inductively heating said body of material, and means operative to energize said induction coil, said flared top part of said crucible being adapted to hold a charge of fuel briquettes resting upon said body of material in said lower part for transfer of heat from said body of material to said briquettes to thereby heat said briquettes to a temperature such as to produce radiant heat.

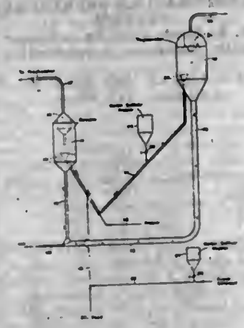
2,471,129
HYDROCARBON SYNTHESIS
Hans G. Vesterdal, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 7, 1946, Serial No. 695,564
5 Claims. (Cl. 260—449.6)

1. The method of synthesizing hydrocarbons which comprises contacting a mixture of carbon monoxide and hydrogen at elevated temperatures with a catalyst consisting essentially of a reduced form of iron oxide having incorporated therein an alkali metal fluoborate.

2,471,130
PROCESS OF PREPARING AN IRON CATALYST PROMOTED WITH AN ALKALI METAL FLUOBORATE
Hans G. Vesterdal, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application September 7, 1946, Serial No. 695,564. Divided and this application July 12, 1947, Serial No. 760,691
3 Claims. (Cl. 252—433)

1. The method of forming an iron-containing catalyst suitable for use in promoting the synthesis of hydrocarbons from carbon monoxide and hydrogen, which comprises incorporating an alkali metal fluoborate into iron oxide in amounts such that the catalyst contains from 0.2 to 10 weight per cent alkali metal fluoborates and thereafter reducing at least a part of the iron oxide to the metallic state.

2,471,131
CATALYTIC CONVERSION OF HYDROCARBON OIL
Prentiss S. Viles, Goose Creek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application June 22, 1946, Serial No. 678,542
1 Claim. (Cl. 196—52)



A method for catalytically converting hydrocarbons in a process involving a reactor and a regenerator zone in which a hydrocarbon is contacted with a finely divided suspension of a cracking catalyst contaminated with metals promoting the formation of carbon and fixed gases at a conversion temperature, which comprises separating products of the reaction from the catalyst, regenerating said catalyst by combustion in the presence of an oxygen-containing gas, recovering regenerated catalyst and introducing into the reactor zone said regenerated catalyst with a hydrocarbon oil and an inhibiting amount of nickel sulfide between 0.1 and 0.5 per cent by weight of the catalyst and sufficient to suppress the formation of carbon and fixed gases.

2,471,132
METHOD OF PRODUCING A SINTERED ABRASIVE BODY
Axel Charles Wickman, Coventry, England, assignor to A. C. Wickman Limited, Coventry, England, a British company
No Drawing. Application March 21, 1947, Serial No. 739,389. In Great Britain April 8, 1946
8 Claims. (Cl. 51—308)

1. A method of producing a sintered abrasive body which includes the steps of grinding a wet mixture including alumina and siliceous clay, drying the ground product, forming the dried product into granules, moulding a mixture of the granules with diamond particles, and sintering the moulded product under combined heat and pressure.

2,471,133
ELECTRIC WATER HEATER
Gerald C. Wicks, Buenos Aires, Argentina
Application January 16, 1946, Serial No. 641,911
2 Claims. (Cl. 219—39)

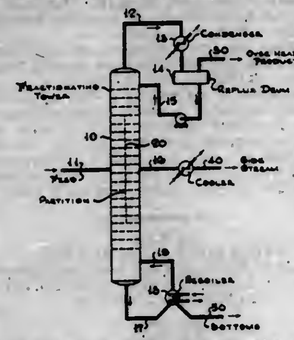


1. An electric water heater, including two elements of insulating material, each having a surface provided with a recess at least part of which has the shape of a tortuous groove of considerable length, a connecting member provided with two sealing surfaces of insulating material in intimate contact with the recessed surfaces of said two elements, respectively, to form a sealing cover for at least the major portions of both said tortuous grooves, said connecting member providing a passage therethrough from one end of the tortuous groove in one of said elements to one end of the tortuous groove in the other element, means for supplying water to be heated continuously to the other end of the tortuous groove of said first element end and for discharging heated water continuously from the other end of the tortuous groove of said second element, whereby said two closed tortuous grooves and said passage through said intermediate member define a flow-path for the water through the heater, and an electric heating unit disposed in said flow-path remote from the supply end and from the discharge end thereof.

2,471,134
FRACTIONATION APPARATUS
Richard O. Wright, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 17, 1946, Serial No. 684,142
2 Claims. (Cl. 196—100)

1. A vertical column fractionating tower provided with a single feed inlet approximately midway of the top and bottom of the tower, an overhead outlet at the top of the tower, and a bottoms outlet at the bottom of the tower, said tower having a vertical partition dividing an intermediate portion of the tower and a side stream outlet positioned on the opposite side of the tower

from the said feed inlet and at about the same vertical height on said tower, whereby said feed inlet and said side stream outlet are separated



by said vertical partition and whereby said vertical partition extends approximately equidistant above and below the said feed inlet and the said side stream outlet.

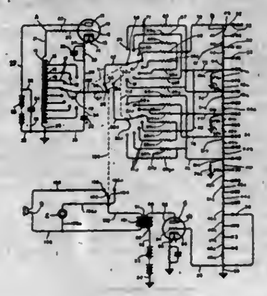
2,471,135
MOTOR VEHICLE
Nathaniel Wyeth, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application February 12, 1945, Serial No. 577,389
17 Claims. (Cl. 267—11)



2. In a vehicle including a pair of oppositely disposed road wheels and means supporting and guiding each of said wheels for independent rising and falling movement, each of said means including a member mounted for oscillatory movement about an axis spaced from such axis of the other member to accommodate movement of its associated wheel, stabilizing means including a pair of leaf springs respectively operably associated with said members and disposed generally transversely with respect to the axis of oscillatory movement of the associated member, said springs being relatively arranged to provide a pair of non-adjacent end portions respectively secured to the associated member at a location disposed outwardly with respect to the vehicle beyond the axis of said associated member for movement with the latter and a pair of adjacent end portions disposed intermediate said axis, and means connecting said adjacent end portions together whereby relative oscillation of said members is yieldably opposed by said springs.

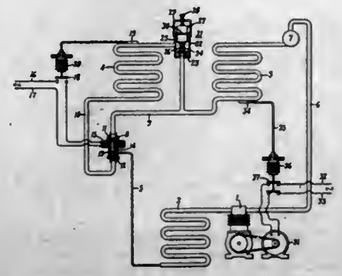
2,471,136
AUDIOMETER FOR AIR AND BONE CONDUCTING RECEIVERS HAVING A SCALE WITH A SINGLE ZERO HEARING LOSS REFERENCE
Ralph E. Allison, Minneapolis, Minn., assignor to Patent Management, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application December 9, 1946, Serial No. 715,048
11 Claims. (Cl. 179—1)

1. In an audiometer, a frequency generator adapted to produce alternating currents of predetermined frequencies, a number of circuits energized by said generator, there being one circuit for each frequency, an attenuator including a resistance having a number of resistors connected in series, said resistors being arranged in groups, a shunting resistor shunting certain of said groups



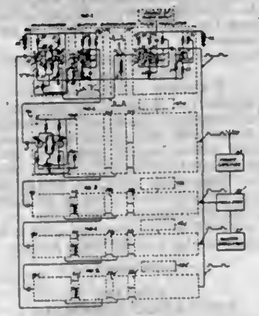
of resistors, said circuits being permanently connected to said resistance at various predetermined points between resistors, an attenuator switch connected to said resistance at various points between resistors, a receiver and means controlled by said attenuator switch for energizing said receiver.

2,471,137
TWO-TEMPERATURE REFRIGERATING SYSTEM
Leonard W. Atchison, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application April 22, 1947, Serial No. 743,015
6 Claims. (Cl. 62—8)



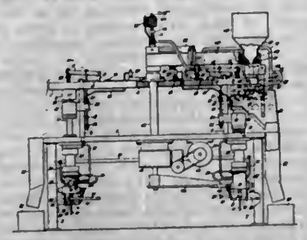
1. In a refrigerating system including condensing apparatus and two evaporators, a liquid line for conducting refrigerant from said condensing apparatus, and a temperature controlled valve disposed in said liquid line for controlling the flow of refrigerant to said evaporators, said valve being responsive to the temperature of one of said evaporators for positively directing said refrigerant to the other of said evaporators alone to the exclusion of said one of said evaporators or to both of said evaporators in series.

2,471,138
RADIO COMMUNICATION SYSTEM
Everhard H. B. Bartelink, Bronxville, N. Y., assignor to General Electric Company, a corporation of New York
Application August 16, 1946, Serial No. 690,864
5 Claims. (Cl. 250—9)



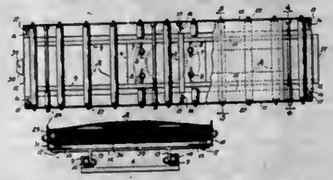
1. In a multiplex radio communication system, a transmitting station including a plurality of pulse generators having substantially the same predetermined repetition rate, each of said pulse generators producing a group of spaced apart pulses, means utilizing each of said groups of pulses to synchronize the generator of another of said groups of pulses in successive time relation, means for modulating a characteristic of the pulses of each of said groups in accordance with a desired signal, and a receiving station including a receiver pulse generator having substantially said predetermined repetition rate, means utilizing a selected group of said modulated pulses to synchronize said receiver pulse generator with said selected group of pulses, means maintaining said receiving station normally inoperative to translate said modulated pulses to its output, means utilizing said receiver generated pulses to render said receiving station periodically operative to translate only one group of said modulated pulses, and means for demodulating said one group of pulses to reproduce a signal.

2,471,139
CONTINUOUS ROTOR MOLDING MACHINE
Clifford N. Benander, Meriden, Conn., and George B. Benander, Oaklawn, R. I., assignors to Monowatt Incorporated, a corporation of Connecticut
Application March 25, 1947, Serial No. 737,176
16 Claims. (Cl. 18—5)



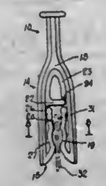
9. In a molding machine, a plurality of molding stations comprising a molding material loading ring having a ring of circumferentially spaced measuring openings therethrough, one at each station, and a molding structure at each opening, means for supplying molding material to said measuring openings, means for effecting the opening and closing of said molding structures, a pivoted spout for transferring molding material from said measuring openings to said molding structures, means for turning said first and second named means and said spout at a uniform rate from station to station, and a cam at each station for turning the spout on its pivot to maintain its discharge end in line with a molding structure during the period molding material is being transferred from a measuring opening through the spout to such molding structure.

2,471,140
FEED TABLE FOR TIRE BUILDING MACHINES
Walter J. Breth, Akron, Ohio, assignor to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application November 13, 1946, Serial No. 709,609
4 Claims. (Cl. 193—35)



2. A feed device of the character described comprising a pair of longitudinal side bars, adjustable transverse spacing members connecting said bars, and spaced transverse stock supporting rollers between said bars, each roller comprising axially alined end members rotatably mounted on said side bars, a coil spring connected at its ends to said end members, and a sleeve fitting on said spring.

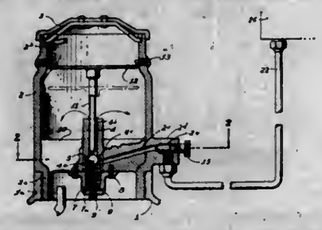
2,471,141
CLOTHESPIN
Charles Castelli, Union City, N. J., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J., a corporation of New Jersey
Application May 28, 1947, Serial No. 750,980
3 Claims. (Cl. 24—138)



1. As a new article of manufacture a plastic clothespin comprising an elongated body member having a finger piece portion at one end and a pair of generally parallel main jaws extending toward an entrance on the clothespin at the other end of the body member forming a bight between said jaw members, generally parallel auxiliary jaws between the main jaws, the auxiliary jaws formed to provide therebetween rope receiving transverse openings of different sizes, the larger opening being adjacent said

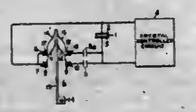
entrance, the smaller opening being spaced inwardly toward said bight, the auxiliary jaws having free ends adjacent the smaller openings and being integral with the respective main jaws adjacent said entrance, the jaws being resilient, the main jaws being of substantially greater length than the auxiliary jaws, and a stop element integrally formed with one of said main jaws, said stop element lying in proximity to and over said free ends of the auxiliary jaws serving to prevent a rope from traveling inwardly beyond the auxiliary jaws, said stop element being substantially spaced from the bight and free of the other main jaw to permit resilient deflection of the latter between the stop element and the bight.

2,471,142
INJECTION DEVICE
Floyd O. Chaffee, South Gate, Calif.
Application April 24, 1945, Serial No. 590,083
10 Claims. (Cl. 210—30)



1. In a means of the class described, a water receiver, a water inlet receptacle, open at its upper end, positioned at the upper portion of the receiver, a reacting agent supply means connected to the receptacle, a valve within said receptacle for controlling the flow of reacting agent from said supply means to said inlet receptacle, and means for normally and yieldably holding the valve in a closed position and the stem in a raised position said valve having a stem extending toward the open end of the receptacle and so constructed and located so as to be capable of being engaged by a water supply means capable of discharging water into the receptacle for unseating the valve.

2,471,143
PIEZOELECTRIC APPARATUS
Jay J. Cress, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 8, 1945, Serial No. 576,754
7 Claims. (Cl. 171—327)

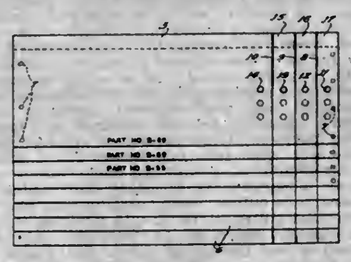


1. In combination, a piezoelectric element having a natural frequency of vibration subject to variation with temperature, a trimming capacitance connected in frequency determining circuit relation with said element, and thermal responsive means for disabling said trimming capacitance upon variation of temperature beyond a normal range.

2,471,144
SALT SUBSTITUTE
Edward D. Davy, Delmar, N. Y., assignor to Sterling Drug Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 2, 1948, Serial No. 63,220
9 Claims. (Cl. 99—143)

1. A sodium-free preparation adapted as a substitute for common table salt containing chlorides of potassium and ammonium constituting the primary saline constituents and being present in an amount of 70–95% of the total ingredients, the potassium chloride being present in an amount several times that of the ammonium chloride, the preparation containing in addition a small proportion of calcium and magnesium cations and citrate and formate anions.

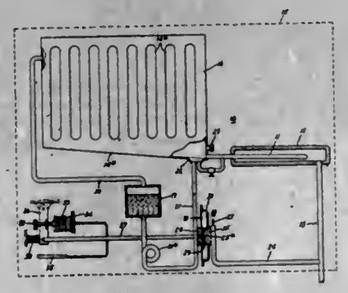
2,471,145
UNIT STRIP ASSEMBLY
Andrew L. Erickson, Cincinnati, Ohio, assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application December 30, 1944, Serial No. 570,589
4 Claims. (Cl. 206—57)



1. A method of making a connected set of tag blanks from slips of sheet material which comprises providing each slip with a plurality of spaced parallel transverse fold lines adjacent one end thereof extending across the entire width thereof and providing a row of apertures perpendicular to said fold lines in each strip, certain thereof lying between the fold lines, thereafter assembling the several slips into a group in overlapped relation so as to leave a portion of each slip exposed at each side face of the assembly for receiving identification matter, and applying adhesive to unperforated portions of said slips at the ends thereof to secure said slips together in assembled relation.

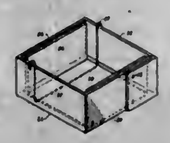
2. A shingled strip assembly comprising a plurality of strips of sheet material having a series of uniformly spaced transverse fold lines at on end of the strips with apertures intermediate the fold lines and apertures on opposite sides of said series of fold lines, said strips being separably secured in overlapped relation so that a portion of each strip is exposed to both sides of the assembly, each strip being connected to the adjacent strips at the end having the fold lines by a row of dots of adhesive between the end of the strip and the nearest fold line.

2,471,146
THERMOMOTIVE MODULATING HEAT TRANSFER SYSTEM
Marcus E. Fiene, deceased, late of Scotia, N. Y., by Clara E. Fiene, administratrix, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application May 14, 1947, Serial No. 748,149
5 Claims. (Cl. 237—9)



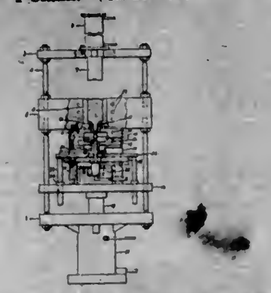
2. In combination, a vapor heat transfer system including a liquid vaporizer, a vapor condenser, and a source of heat for said vaporizer, means including a body normally supplied with heat from said source and a liquid percolator having liquid exchange connections with said system and having an element relatively movable into variable heat transfer relation with said body for variably heating said percolator to vary the amount of liquid circulating in said system, and thermomotive means for effecting relative movement between said element and said body.

2,471,147
FOLDING BERRY BOX
James Gagnon, Olalla, Wash.
Application September 8, 1947, Serial No. 772,810
2 Claims. (Cl. 220—16)



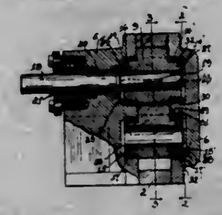
1. A true-volume folding berry box comprising four sides hingedly connected to each other and adapted to be folded flatwise, a bottom attached at one of its ends to one of said sides and hinged at a point substantially on the plane of the lower margin of said sides, and a wire loop attached at both its ends to the top portion of the side opposite said one of said sides and extending downwardly until the bottom portion of the loop is substantially on said plane, said bottom portion being bent substantially normal to said one of said sides and directed theretoward, thereby forming a bracket adapted to support the free end of said bottom substantially on said plane.

2,471,148
SPRUE CUTTER FOR TRANSFER MOLDING DEVICES
Marvin E. Gale and Frank W. Warner, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application January 6, 1948, Serial No. 766
1 Claim. (Cl. 18—30)



In a device for transfer molding a thermosetting molding compound, a mold having a stationary part and a movable part, said parts defining a mold cavity when the movable part is positioned against said stationary part, a transfer well for plasticizing said molding compound, a passage in said stationary mold part interconnecting the transfer well and the mold cavity, means for forcing plasticized molding compound from the transfer well through the aforesaid passage into the mold cavity, an aperture in said movable part, an ejector member movable in said aperture, said ejector member having an opening therethrough aligned with the exit of the passage into the mold cavity, and a sprue cut-off member movable in said opening into and out of telescoping engagement with the exit of the passage into the mold cavity, means including a hydraulic cylinder and piston for moving said cut-off member, and means for limiting the downward movement of said ejector member as the movable mold part moves away from said stationary part.

2,471,149
ROTARY GEAR PUMP
Adolph Girs, Cleveland, Ohio, assignor to East Shore Machine Products Company, Cleveland, Ohio, a corporation of Ohio
Application August 22, 1946, Serial No. 692,214
2 Claims. (Cl. 103—126)



1. In a pump, a chambered housing, pairs of oppositely arranged, circular recesses in said housing, bearing sleeves in said recesses extended thereinto in spaced relation with respect to the bottom walls thereof, complementary pump gears with shaft portions journaled in said bearing sleeves, communicating passages extended axially

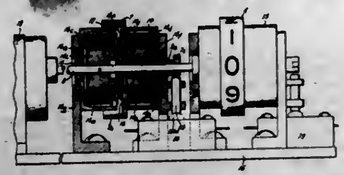
through said gears for communication of the circular recesses of each pair of recesses with each other, and symmetrically arranged recessed channels in the wall of said housing in open communication with a circular recess of each of said pairs of said recesses, said recessed channels being symmetrically arranged with respect to said gears, intersecting the enmeshing area of said gears and extending diametrically opposite to the enmeshing area thereof to permit in forward and reverse rotation of said pump continuous, simultaneous withdrawal of excess and trapped liquid from said recesses and said enmeshing area and discharge of such liquid into neutral areas of said pump.

2,471,150

ACCOUNTING MACHINE

Charles J. Goodale and Harry B. Marvin, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application March 22, 1945, Serial No. 584,148
[illegible] Claims. (Cl. 235—61)



1. In an accounting machine, a constant speed driving member, a stationary member, a counting element normally in engagement with said stationary member, means for controlling the alternate engagement of said counting element with said stationary member comprising electric valve means provided with a control grid, means for controlling said electric valve means comprising a plurality of resistance-reactance timing circuits connected to said grid having time constants corresponding to different digit numerals, means for selecting for timing operation a circuit corresponding to a predetermined digit numeral, and means for controlling said electric valve means to effect the engagement of said counting element with said driving member and to initiate the timing action of the selected circuit to control said valve means to effect the reengagement of said counting element with said stationary member thereby to effect an amount of movement of said counting element corresponding to said predetermined digit numeral.

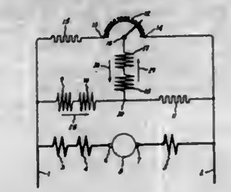
2,471,151

ADJUSTABLE SPEED DYNAMOELECTRIC MACHINE

Wesley R. Goss, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application August 20, 1948, Serial No. 45,304
17 Claims. (Cl. 318—425)

1. In a commutator type direct current motor having an armature circuit and a field structure, a shunt field circuit arranged in parallel with said armature circuit and including a shunt field exciting winding and a resistor in series therewith, a second field exciting winding having one terminal connected between said shunt field exciting winding and said resistor, and a potentiometer having its two end terminals connected in parallel with said shunt field circuit and a variable center terminal connected to the other terminal of said second field exciting winding whereby the current flow in said second field exciting



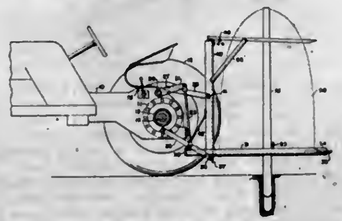
winding can be varied from a maximum in one direction through zero to a maximum in the other direction for adjusting the speed of said motor.

2,471,152

STACK CARRIER

Clyde C. Griffin, Branford, Fla.

Application November 3, 1947, Serial No. 783,821
2 Claims. (Cl. 214—131)



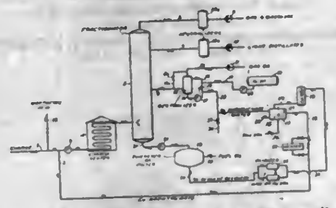
1. Means for transporting a stack of hay or other vegetation from one point to another comprising a hay carrying frame pivotally secured to the rear end of a tractor, said tractor having a hydraulic lift mechanism, said frame comprising a plurality of substantially parallel and rearwardly extending and diverging bars, a pair of angle bars secured in spaced relation to each other near the front end of the parallel bars, and an upright bar centrally disposed and secured at its lower end to one of said bars secured in transverse relation to the parallel bars, a transverse bar secured to the upper end of the upright bar and having a pair of spaced pointed angle members secured at one end thereto and extending rearwardly, a pair of links secured to the outer ends of one of the transverse bars and having their other ends secured to the frame of the tractor, said tractor having a pair of hydraulically operated lift arms, a pair of links connecting the free ends of the hydraulically operated lift arms to an intermediate portion of the two links connecting the transverse bar of the frame to the frame of the tractor, a connecting bar connecting an intermidate portion of the upright bar at one end and to the tractor frame at its other end, said parallel bars being adapted to be inserted beneath a stack of vegetation upon the tractor being backed toward the stack and whereby the two parallel bars with pointed rear ends will impale the upper portion of the stack and upon manipulation of the hydraulic lift mechanism the entire frame along with the stack of vegetation will be raised upwardly off the ground to transport it from one place to another.

2,471,153

PROCESS OF TREATING PETROLEUM OILS WITH A COPPER SOAP AND OF PRODUCING THE COPPER SOAP

Charles O. Hoover, Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Original application October 2, 1946, Serial No. 700,823. Divided and this application April 25, 1947, Serial No. 743,886
15 Claims. (Cl. 196—26)



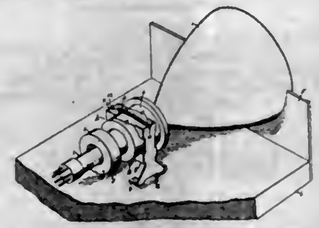
1. In the process of treating petroleum oil with a copper soap of a water-insoluble organic acid for the fixation of sulfur compounds contained therein in which the copper soap is introduced into the oil and the oil subsequently is subjected to heat treatment and the liberation of vapors containing the organic acid resulting from decomposition of the copper soap; the improvement which comprises separately withdrawing the copper compound and the liberated vapors containing the organic acid resulting from the decomposition of the copper soap from the zone of heat treatment passing withdrawn vapors into intimate contact with caustic with resultant formation of the sodium soap of the acid, and reacting the sodium soap so formed with a copper salt to form the corresponding cupric soap of the acid, and using the thus formed cupric soap as the source material of the copper soap used in the treatment of further amounts of oil.

2,471,154

SUPPORTING DEVICE FOR CATHODE-RAY TUBES

Donald B. Keim, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application May 21, 1948, Serial No. 28,355
3 Claims. (Cl. 250—141)



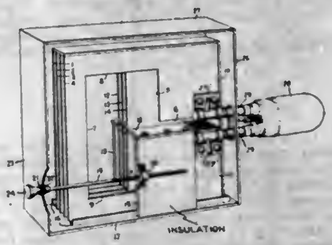
1. A support for a cathode ray tube of the type having a neck portion and which is adapted to have a beam focusing and deflecting device supporting said neck portion comprising a base, a pair of juxtaposed arms supported on said base and extending outwardly therefrom, each of said arms having a plurality of fingers extending toward the other arm, said fingers being adapted to engage the focusing and deflecting device of the cathode ray tube, and resilient means connected between said fingers to engage said device with sufficient force to support both the device and tube while permitting adjustment of the longitudinal and angular position of the device.

2,471,155

BALANCED VARIABLE REACTANCE DEVICE

Robert V. Langmuir and Philip H. Peters, Jr., Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application June 7, 1946, Serial No. 674,971
9 Claims. (Cl. 250—40)



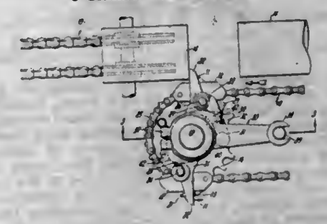
1. A variable reactance comprising a conductive plate having a loop constituting an inductive portion and surfaces of substantial area on opposite ends of said loop constituting a capacitative portion, said loop and said surfaces being symmetrically distributed with respect to a central transverse plane through said plate, a positionable member of substantial area having opposite halves symmetrically positioned on opposite sides of said transverse plane and juxtaposed in symmetrical relation to said loop and said surfaces, and means for moving said positionable member parallel to and in proximity to said plate, whereby the surface of said positionable member may be juxtaposed in varying proportions to said loop and said surfaces.

2,471,156

CAN EXTRACTOR

Ed Laxo, Oakland, Calif., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif., a corporation of Delaware

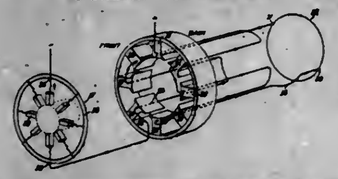
Application October 8, 1946, Serial No. 701,974
5 Claims. (Cl. 198—25)



1. Apparatus of the character described, comprising a conveyor chain having means located at spaced points thereon engageable with can bodies, a shaft, a sprocket for said chain secured to said shaft, a lever rotatable on said shaft for engaging and removing successive can bodies from said

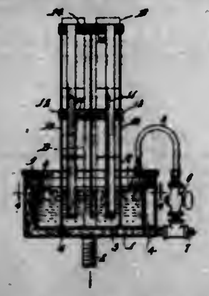
chain, an actuating lever pivoted on said sprocket and engageable with said lever, and a stationary cam around said shaft for moving said actuating lever on its pivot.

2,471,157
DYNAMOELECTRIC MACHINE
Thomas M. Linville, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 10, 1947, Serial No. 760,152
9 Claims. (Cl. 171—252)



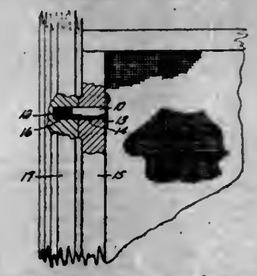
1. In a dynamoelectric machine of the direct current type having a plurality of poles with an odd number of polar conductors per pole, means including at least one balancing ring of uniform cross-section with connections from two of said polar conductors to diametrically opposite points on said ring to balance magnetomotive forces produced by end connections between the remainder of said polar conductors.

2,471,158
LIQUID TREATING APPARATUS
William Livingstone, La Grange, Ill., assignor to Kem-Stone Products Company, Inc., a corporation of Illinois
Application January 17, 1946, Serial No. 641,713
1 Claim. (Cl. 23—267)



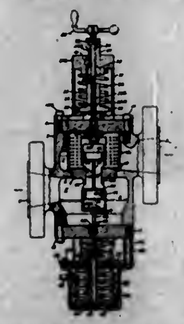
An apparatus for dissolving detergents and water softening material in disk form, comprising an open top tank, an open top vessel arranged within the tank and spaced from the walls thereof, a pipe connected with a source of solvent supply directed to discharge into the vessel for accumulating therein a constant level of the solvent, said vessel having an over-flow opening at the brim thereof, an outlet pipe extending from the bottom of the tank, and an open framework rack rising from the bottom of the vessel, said rack consisting of upright bars and embraced by rectangular frames defining vertical magazine channelways for receiving and supporting a column of solvent treating tablets in disk form, whereby said tablets are stacked in said channelways in cylindrical surface to surface alignment, the lowermost tablet of said column being submerged in the solvent content accumulated in said vessel and exposing to solution, portions of all of its surfaces, curved and planar, as progressive dissolution affects gravitational descent of said column.

2,471,159
FASTENER FOR WINDOW SCREENS AND STORM SASHES
Lester Curtis MacDonald, Hamilton, Ontario, Canada
Application August 1, 1947, Serial No. 765,372
1 Claim. (Cl. 292—181)



In a fastener for screen and storm sash and the like, a pin adapted to slide back and forth in a sleeve which is constituted by a hole through a stile of the sash and a registering socket in the stile of the window frame, said pin being arranged in length to fully occupy said hole but only partially said socket, a keeper arranged to close the opening into said hole against egress of the pin, and a spring in said socket back of the pin and arranged to urge the pin entirely out of the socket on removal of the keeper from the hole entrance but not to itself leave the socket.

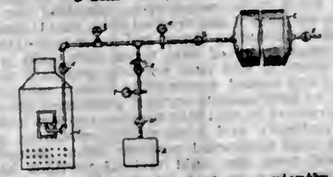
2,471,160
COMBINATION BALANCED SHUTOFF AND THROTTLING VALVE ASSEMBLY
William N. Matson and Stephen Jacobs, Fitchburg, Mass., assignors to General Electric Company, a corporation of New York
Application March 20, 1946, Serial No. 17,924
6 Claims. (Cl. 277—8)



1. A combined shut-off and throttling valve assembly for elastic fluid comprising a housing

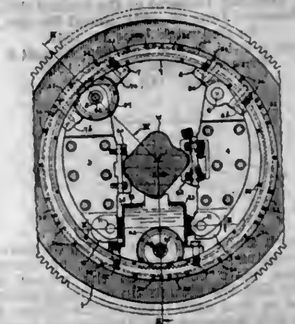
forming an inlet chamber and an outlet chamber separated by a wall defining a circular valve seat opening, means secured in said opening and forming axially spaced stationary piston members concentric with the opening, each piston being of a diameter larger than the opening and spaced axially away therefrom on opposite sides thereof, said wall having a first annular beveled portion surrounding the opening adjacent the inlet chamber and a second annular portion surrounding the opening and projecting axially into the discharge chamber, said second annular wall portion having a substantially conical tapering outer surface adjacent the end thereof and a narrow annular seat portion axially spaced from the end thereof, a first cup piston member having a cylindrical inner surface slidably disposed over the stationary piston member in the inlet chamber, means for positioning the first cup piston including an axially slidable valve actuating stem and pilot valve means adapted to communicate pressure fluid in the inlet chamber to the space defined between the first cup piston and the cooperating stationary piston member, the outer surface of the first cup piston being beveled inwardly to form a narrow annular edge adapted to sealingly engage the wall surrounding said first beveled annular portion, a second cup piston member having an inner cylindrical bore slidably disposed over the other stationary piston member, the second piston having a tapered substantially conical outer surface terminating in an annular edge adapted to sealingly engage said annular valve seat, the inner diameter of the outlet chamber being of the order of two times the diameter of said annular seat, said last-mentioned seat being spaced at least one-quarter inch axially from adjacent wall surfaces surrounding the valve opening, a second valve-actuating stem connected to the bottom of the second cup piston and projecting slidably through an adjacent wall of the housing, the second cup piston having pressure balancing port means for substantially equalizing the pressure in the discharge chamber with that between the moving piston and the cooperating stationary piston, the second actuating stem being of a minimum diameter whereby a minimum force is exerted thereon by the fluid pressure in the outlet chamber, the relative dimensions of the parts defining the fluid path from inlet to outlet chamber being so proportioned that in normal operation the minimum flow path area occurs at the annular throttling orifice defined by the second cup piston, whereby energy losses in the valve assembly are minimized.

2,471,161
METHOD OF MIXING BOTTLED NATURAL GAS WITH VEGETATIVE GAS
Herbert E. McCardle, Groton, S. Dak.
Application February 9, 1948, Serial No. 7,035
3 Claims. (Cl. 48—197)



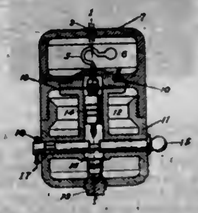
3. A method of safely and conveniently controlling combustion in a combustion chamber of a mixture of a low ignition point bottled hydrocarbon gas and a high ignition point vegetative gas which comprises introducing approximately 5% of said low ignition point gas into said high ignition point vegetative gas, promoting ready ignition in cold combustion chamber and when combustion chamber has reached a temperature sufficient to maintain combustion at a high temperature, decreasing the percentage of said hydro-carbon gas to approximately 1½% so that if combustion stops, the escaping unburned gas becomes non-combustible as it cools to living room temperatures.

2,471,162
CRANKSHAFT CHUCK
Walter R. Meyer and Harold J. Siekmann, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application October 27, 1945, Serial No. 624,970
3 Claims. (Cl. 82—40)



1. In a center drive crankshaft chuck mounted in a center drive ring gear work spindle comprising a pair of clamping jaws pivotally mounted in the bore of said ring gear work spindle, means mounted in the bore of said ring gear work spindle for operating said jaws, an actuating shaft for said chuck operator, a gear on said shaft, and a wrench socket associated with said gear to effect rotation therein, a second gear coaxially journaled about a pivot of one of said clamping jaws, and common ring gear interconnecting means between said gears journaled in said center drive ring gear work spindle.

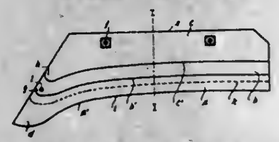
2,471,163
SAFETY PRESSURE DETONATOR BOMB
Robert E. Mitton, Lemon Grove, Calif.
Application August 18, 1944, Serial No. 550,063
2 Claims. (Cl. 102—81.6)



1. In a device of the class described, a chamber containing fluid under pressure, a frangible

member sealing an opening from said chamber, a cylinder connected with said opening, a firing pin carried by a piston slidable in said cylinder, a detonator positioned to be struck by said firing pin when said frangible member is broken and said fluid acts upon said piston to move said firing pin into contact with said detonator, a cross bore intercepting said cylinder between said firing pin and said detonator, a removable safety pin positioned in said bore to prevent said firing pin from striking said detonator, a reduced portion on said safety pin where said pin crosses said cylinder whereby premature breaking of said frangible member will drive said firing pin into said portion and prevent removal of said safety pin.

2,471,164
PLOWSHARE
Torben Möhl, Copenhagen, Denmark; vested in the Attorney General of the United States
Application June 26, 1941, Serial No. 399,875
In Denmark June 11, 1940
Sections 1, 3, 14, Public Law 690, August 8, 1946
Patent expires June 11, 1960
1 Claim. (Cl. 97—125)



A plough share composed of two or more layers of relatively thin steel plates, of which the uppermost plate constitutes the proper share plate and also the plough tip of the share, characterized in that each layer of the plough share consists of a plane or slightly arcuate hardened steel plate of uniform thickness, and that the width of these plates measured from the trailing edge of the share to the leading edge of each plate is of unequal value and decreases from the uppermost to the lowermost of the plate layers, said plate layers being secured adjacent each other, whereby the plough share, and the projecting plough tip of the uppermost plate, are given a considerable resiliency.

2,471,165
FANCY TRIMMING STITCH
Jack Nachman, Philadelphia, Pa.
Application July 1, 1946, Serial No. 680,808
2 Claims. (Cl. 2—244)



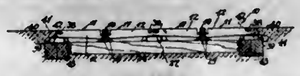
2. An ornamental tape effect created by a series of stitches upon a fabric wherein a zig-zag or sine-wave shaped thread is laid upon said fabric, a plurality of straight tapes or cords, the upper portion of said thread lying upon one of said straight tapes, a series of straight stitches parallel to one another and tacking said thread to said fabric, and having said upper tape between said parallel straight stitches, and a second straight tape or cord between a series of straight stitches at the lower portion of said thread, said upper and lower tapes or cords being symmetrically arranged with respect to a longitudinal axis.

2,471,166
SHOCK ABSORBER WEBBING
Edward A. Neff, Chicago, Ill.
Application October 16, 1944, Serial No. 558,793
7 Claims. (Cl. 139—384)



4. Shock absorber webbing comprising in combination a first series of warp threads individual ones of which are transversely spaced from each other, a second series of warp threads of greater free elongated length than the warp threads of said first series and of sufficient strength to support a shock, said first series of warp threads being of lesser strength than said second series and thereby being adapted to break under said shock, groups of weft threads at longitudinally spaced intervals, individual threads of said groups of weft threads being interwoven with the individual threads of said first series at said intervals, groups of said second series of warp threads lying between said transversely spaced ones of said first series of warp threads and interwoven with said groups of weft threads, and filler threads in between said groups of weft threads cooperating only with the warp threads of said second series to effect bulking thereof for giving said increased length.

2,471,167
RAILROAD-HIGHWAY CROSSING CONSTRUCTION
Ellis C. Oxenrider, Chicago, Ill.
Application December 15, 1945, Serial No. 635,159
7 Claims. (Cl. 238—8)



1. In a railway crossing having a track including cross ties and main track rails, said track rails comprising runner portions, vertical webs and base portions, the combination with said track rails, of two U-shaped channels secured to said track rails, respectively, abutting the inboard surfaces of said vertical webs, said U-shaped channels including upper and lower legs extending transversely of said track rails, said lower legs abutting said base portions and said upper legs being angled downwardly toward said lower legs; an intermediate support positioned between said track rails, said intermediate support including vertically and horizontally extending portions, said horizontal portions being connected to said cross ties, said vertical portions being perpendicular to said track rails and having slotted openings therein; crossing sections spanning the distance between said intermediate support and said track rails, said crossing sections having load bearing surfaces bearing against said horizontally extending portions, said crossing sections having projecting portions the upper and lower surfaces of which complement the angled inner surfaces of said U-shaped channels for interlocking engagement therewith, said U-shaped channels partially supporting said crossing sections and preventing transversal and vertical displacement thereof; and bolts extending through said crossing sections and said slotted openings for slidably securing said crossing sections to said intermediate support and preventing lateral movement of said crossing sections.

2,471,168
DEVICE FOR CONVERTING A SIGNAL OF VARIABLE AMPLITUDE INTO PULSES OF CONSTANT FREQUENCY AND VARIABLE DURATION
Klaas Posthumus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application November 22, 1946, Serial No. 711,688
In the Netherlands September 25, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 25, 1965
13 Claims. (Cl. 332—15)



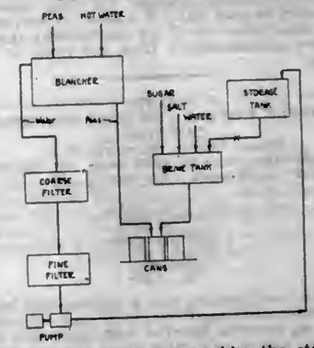
1. Apparatus for converting an amplitude-modulated signal into pulses of constant periodicity, the duration of said pulses being dependent on the instantaneous amplitude of said signal, said apparatus comprising means to generate a stepped wave the amplitude of which at isochronous moments steps to a value proportional to the instantaneous amplitude of said signal at said moments, said moments recurring at a rate corresponding to said constant periodicity, and means to convert each step of said wave into a pulse whose duration is proportional to the amplitude thereof.

2,471,169
GOLF BAG
Louis Salzberg, Newark, N. J., and Edwin J. Hughes, Jr., Larchmont, N. Y.
Application March 25, 1947, Serial No. 736,916
5 Claims. (Cl. 150—1.5)



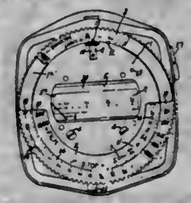
1. A golf bag having a relatively stiff bag member, removable unitary means comprising spaced golf club holding tubular elements one of which is in the bag member and the other outside of the same, an elongated flexible portion interconnecting the elements at their upper portions, the bag member having a top opening having a stiff rim, and the elongated flexible portion extending over and resting on the rim, whereby the removable means can be separated from the bag member and carried with the flexible portion over one's shoulder.

2,471,170
TREATMENT OF VEGETABLES
George C. Scott, Le Sueur, Minn., and Robert E. Oltman, deceased, late of Le Sueur, Minn., by John T. Peterson, administrator, Le Sueur, Minn.
Application February 15, 1943, Serial No. 475,984
11 Claims. (Cl. 99—186)



1. In the canning of vegetables the steps of washing vegetables, removing suspended impurities from the wash water, and introducing the purified water into cans with the washed vegetables.

2,471,171
VEST POCKET EXPOSURE METER HAVING OVERLAPPING SENSITIVITY RANGES AND CALCULATOR RINGS SURROUNDING THE METER SCALE
Allen G. Stimson, Lynnfield, Mass., assignor to General Electric Company, a corporation of New York
Application October 19, 1946, Serial No. 704,352
3 Claims. (Cl. 88—23)



1. In combination, a light meter and exposure calculator generally of the size of a large pocket watch comprising a casing, a transparent window forming the back wall of said casing, a light sensitive cell positioned flat against said window and exposed to any light admitted thereby, an electrical measuring instrument in said casing connected to be energized from said cell, a win-

dow in the central portion of the front wall of said casing, a scale and pointer for said instrument exposed in said window, an exposure calculator removably secured flat against the exterior of the front wall of said casing by securing means readily accessible on the front of said calculator at all times, said calculator comprising a pair of washer-shaped rings of different outer diameter and a wide open center supporting structure for concentrically supporting said rings at their inner peripheries for independent rotary adjustment about their central axes, said rings having concentrically exposed side-by-side exposure data scales on their front surfaces for correlating light value with film speed and stop opening with exposure time, said supporting structure and calculator rings surrounding and fully exposing the front window in said casing for all adjustments of said calculator whereby the light value as measured by said meter is framed by said exposure data scales and all are conveniently exposed to view simultaneously from the front of said casing.

2,471,172
NIPPLE AND CAP FOR BABY NURSING BOTTLES
Daniel Stoller, Brooklyn, N. Y.
Application June 23, 1947, Serial No. 756,353
6 Claims. (Cl. 215—11)



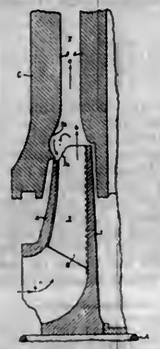
1. The combination with a nursing milk bottle of a nipple and a cap mounted thereon, the nipple being of resilient material and collapsible into the cap, a series of shutter plates movable across the cap to hold the nipple collapsed, and means carried by the cap for simultaneously operating all plates.

2,471,173
FIBERBOARD CONTAINER FOR DISK-SHAPED ARTICLES
William H. Tayler, Lake Bluff, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application July 27, 1945, Serial No. 607,381
2 Claims. (Cl. 229—87)



1. In a container for a fragile disk, a structure formed of a single fibrous board profiled to afford a symmetrical polygonal center panel having an even number of sides, at least six in number, and a plurality of radially extending fringe panels, said center panel being of an area to encompass the disk to be packaged so that its polygonal sides are tangential to the circumference of said disk, the fringe panels being on continuous fold lines and comprising alternate rectangles and trapezoids completely surrounding the center panel, said trapezoidal panels and its adjacent rectangular panels being of such areas and angularity that, when a trapezoidal panel is folded in overlapping relation to the center panel, it will cover a corresponding section of said center panel bounded by three sides of the center panel which form boundaries respectively between the center panel and said trapezoidal panel and its two adjacent rectangular panels, said overlapped portion of the center panel being substantially a replica of said trapezoidal panel, and securing means on a pair of opposed rectangular fringe panels whereby, upon being last folded over, said pair of fringe panels effect retention of the other fringe panels.

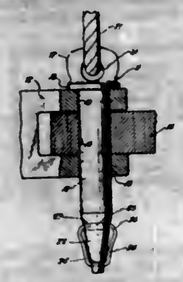
2,471,174
CENTRIFUGAL COMPRESSOR STABILITY MEANS
William E. Trumpler, Olean, N. Y., assignor to Clark Bros. Co., Inc., Olean, N. Y., a corporation of New York
Application April 24, 1947, Serial No. 743,549
6 Claims. (Cl. 230—127)



1. A centrifugal compressor including cooperative impeller and diffuser means, said impeller having a pair of circular end members with blades disposed therebetween, and said diffuser means having a pair of walls disposed to receive therebetween discharge from said impeller, one of said impeller end members being of less diameter than the other, and the corresponding diffuser wall being annularly recessed thereadjacent, to provide a flow path for recirculation at low capacity operation of said compressor.

2,471,175
CLEVIS PIN
Iri I. Tubbs, Mount Vernon, Iowa, assignor, by mesne assignments, to Alice H. McIntyre, Cedar Rapids, Iowa, as trustee, and her successor trustees
Application April 19, 1946, Serial No. 663,463
11 Claims. (Cl. 278—65)

1. A device of the class described, comprising a draft member, a drawn member, said members having alignable apertures therein, and a clevis pin for connecting said members, comprising a main body portion engageable in said apertures, a head portion at one end of said body portion for positively limiting movement of the pin in one direction relative to said members, and a spring clip secured at its outer end to the other end of said body portion and having a curved portion at its inner end spaced from said members when said head portion is in contact therewith for preventing accidental withdrawal move-



ment of said pin in the opposite direction relative to said members, said clip being compressed by contact of said curved portion with said members during intentional withdrawal movement of said pin to enable complete voluntary removal thereof from said members.

2,471,176
TIME LAG FUSE LINK
Fred G. von Hoorn, Nichols, Conn., assignor to General Electric Company, a corporation of New York
Application October 28, 1947, Serial No. 782,475
5 Claims. (Cl. 200—135)



1. A fuse link comprising a basic fuse link element having a plurality of fusible portions in series joined by connecting portions, each of said connecting portions having attached thereto one or more circular disks of metal large enough to cover said connecting portions.

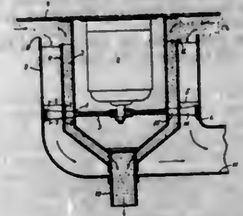
2,471,177
RENEWABLE FUSE
Fred G. von Hoorn, Nichols, Conn., assignor to General Electric Company, a corporation of New York
Application February 10, 1948, Serial No. 7,331
5 Claims. (Cl. 200—131)

3. In a renewable fuse having a fuse link assembly removably mounted within a housing and including spaced terminal members at each end of the housing, a renewable fuse link connecting said terminal members and a link securing screw, the combination therewith of a washer having a portion positioned between the head of the screw and the fuse link and comprising a cup-shaped member having flat bottom surface and a wall flaring outwardly from the bottom at an acute



angle to the bottom and being thereby adapted to act as an arcing tip.

2,471,178
AIR CLEANING AXIAL FLOW BLOWER
Robert Walsh, Wilmington, Del., assignor to General Electric Company, a corporation of New York
Application September 3, 1947, Serial No. 771,955
5 Claims. (Cl. 183—87)

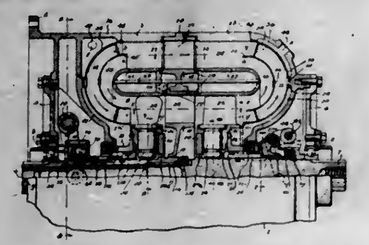


1. A gaseous fluid circulating and cleaning device comprising a cylindrical casing having an annular inlet chamber in which a particle-laden fluid stream to be cleaned is adapted to be directed, means in said casing for separating from said fluid stream a portion of said stream with substantially all of said particles entrapped therein, an annular discharge passage for said particles and portion of said stream, a coaxial annular cleaned fluid discharge passage and gaseous fluid impelling means comprising a radially inner and a radially outer set of radial blades concentrically arranged, with each of said sets disposed in operative relationship with a different one of said discharge passages and thereby adapted to propel the respective portion of said stream axially therethrough.

2,471,179
HYDROKINETIC TORQUE CONVERTER
Ernest E. Wemp, Detroit, Mich.
Application January 23, 1943, Serial No. 473,337
8 Claims. (Cl. 60—54)

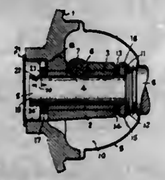
5. In a hydraulic torque converter, a torus chamber adapted to have a flow of liquid therein, a turbine, blades on the turbine operating in the

torus chamber whereby the turbine is driven, means mounting the blades for oscillation substantially on radial axes from low ratio position to high ratio position, said blades being disposed in an unbalanced manner relative to their axes so that the forces thereon tend to shift the blades toward low ratio position, a shiftable control



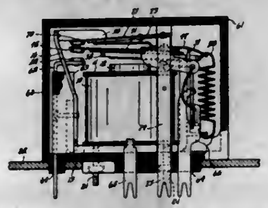
member for the blades, centrifugal means operated by the turbine, and means for transmitting the force thereof to the control member and including means for changing the mechanical advantage calculated so that the effect of the centrifugal force increases substantially directly with the speed.

2,471,180
MECHANISM FOR ADJUSTING SHAFT END PLAY
Lawrance W. Wightman, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application September 24, 1948, Serial No. 50,945
12 Claims. (Cl. 308—161)



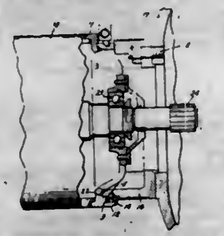
1. In combination, a bearing, a shaft rotatably supported by said bearing and extending on both sides thereof, means on one extension of said shaft for preventing axial movement of said shaft in the direction of the other shaft extension, said other shaft extension having a groove formed in its outer periphery at right angles to the axis of said shaft and spaced from said bearing, and means having one portion positioned on said other shaft extension extending over said groove and another portion adapted to prevent axial movement of said shaft toward said one shaft extension when said last-mentioned means is secured to said other shaft extension, said one portion having a part crimped into engagement with said groove for securing said last-mentioned means to said other shaft extension, said other portion being spaced from said crimped part by a distance which provides a predetermined amount of axial end play between said other portion and said bearing whereby the axial end play of said shaft can be adjusted to a predetermined amount by the location of said crimped part with respect to said other portion.

2,471,181
RELAY
John M. Wilson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 30, 1942, Serial No. 467,364
14 Claims. (Cl. 200—104)



10. An electromagnetic relay, comprising in combination, a frame member with a core member mounted thereon, said frame member having a portion disposed from said core member and terminating in a pair of projections separated by a sharp edge, an armature having apertures at one end pivoted on said frame portion for movement relative to said core member, a flexible non-magnetic plate attached to one surface of said armature and movable therewith, said plate having apertures at one end to coincide with the apertures in said armature through which the projections of said frame portion extend, a further aperture in said flexible non-magnetic plate through which said sharp edge of said portion of said frame extends to engage said armature, a resilient member mounted on and movable with said armature, deformable means secured to said frame and positioned to be engaged by said resilient member to limit the movement of said armature away from said core member, and a spring member secured at one extremity to said frame member and attached at the other extremity to a portion of said resilient member extending beyond said frame portion, said spring member biasing said armature and said non-magnetic plate into engagement with said frame portion and away from said core member.

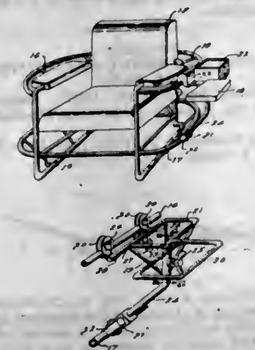
2,471,182
DYNAMOELECTRIC MACHINE
Thomas F. Worth, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application November 19, 1947, Serial No. 786,841
2 Claims. (Cl. 248—2)



1. A dynamoelectric machine having a flanged end portion, a circumferentially extending groove in an inner periphery of said flanged end portion, a split ring of springlike material located within said groove, said ring having a tapered side, a

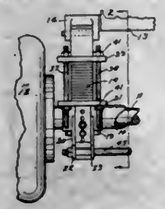
mounting flange for said dynamoelectric machine, said mounting flange having a circumferentially extending groove having a tapered side adapted to cooperate with the tapered side of said split ring, and means for clamping together the ends of said split ring, whereby said ring may be caused to enter said second-mentioned groove and firmly attach said dynamoelectric machine to said mounting flange at any desired rotational position.

2,471,183
BEAUTY PARLOR ROLLING AUXILIARY CHAIR
Josiah Whitney Adams, Detroit, Mich.
Application September 30, 1946, Serial No. 700,192
2 Claims. (Cl. 155—81)



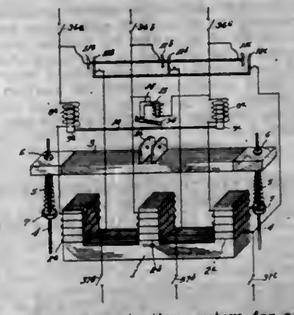
1. A chair for barber and beauty operator use comprising a frame supporting an upper and lower trackway, a movable stool assembly mounted upon said trackways, said stool assembly comprising a frame having a plurality of flanged rollers riding upon said upper trackway, said frame having a portion thereof extending downwardly and having secured thereto a flanged roller riding upon said lower trackway, means for raising and lowering said stool, said upper trackway having a removable section therein to provide means whereby said stool assembly may be disengaged from said trackways.

2,471,184
TRUCK HITCH
Edward F. Andrews, Youngstown, Ohio, assignor to The Miller Spreader Corporation, Youngstown, Ohio, a corporation of Ohio
Application July 31, 1947, Serial No. 765,214
1 Claim. (Cl. 280—33.44)



A hitch for attachment to the rear axle and spring assembly of a truck and including a horizontal body member displaced longitudinally of said truck, a pair of longitudinally displaced vertical channel members positioned on said horizontally body member, one of which is movable longitudinally with respect thereto, a T-headed member adjustably positioned in each of the said vertical channel members and having openings formed in the T heads thereof, brackets having openings therein and pairs of studs engaging the openings in the said brackets and the T-headed members, respectively, for mounting the said hitch on the said spring assembly of the truck, and a hitch pin affixed to the said horizontal body member and extending sidewardly therefrom.

2,471,185
AUTOMATIC STARTER FOR ELECTRIC MOTORS
Boris Antipovitch, Mexico City, Mexico
Application August 24, 1946, Serial No. 692,881
17 Claims. (Cl. 172—289)



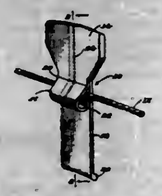
1. An automatic starting system for an alternating current motor comprising, in combination, a source of alternating current, electromagnet means including reactor coils connected in series with said source for limiting the motor starting current including an armature and spring means for biasing said armature away from said coils, and switch contacts operated by said armature for short-circuiting said reactor coils upon a predetermined decrease in motor current flow as the motor increases in speed.

15. An automatic starting system for an alternating current motor comprising, in combination, a source of alternating current, electromagnetic means comprising a core having a group of coils wound therearound, and a movable armature normally biased away from said core, each of said coils being connected in series with a terminal of said source and a motor terminal, a second group of coils wound on said core, a switch operable by attraction of said armature to said core for converting said groups of coils and said core from a voltage limiting reactor into an autotransformer, and means responsive to attainment of a predetermined speed and terminal voltage of said motor for short-circuiting said first group of coils to apply full line voltage to said motor.

2,471,186
CLOTHESPIN
Ethel P. Asheroft, Colorado Springs, Colo.
Application January 29, 1946, Serial No. 643,975
1 Claim. (Cl. 24—137)

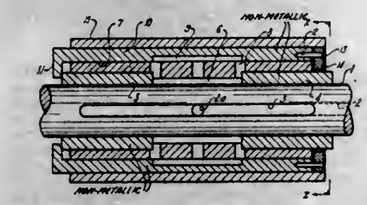
A clothespin formed of a single piece of plastic material comprising a head portion, a first leg

portion of predetermined length extending therefrom, a second leg portion of a predetermined length less than that of said first leg portion extending from said head portion at an angle to said first leg portion, a looped portion terminating said second leg portion and abutting against said first leg portion whereby said leg portions have regions spaced from each other thereby



forming a space adapted to receive a clothesline for supporting the clothespin, said looped portion and the region of said first leg portion abutting thereagainst being adapted to grip items of clothing, and a continuous metallic insert embedded in said head portion, second leg portion and looped portion for mounting the latter portion in yieldable abutting relationship with said first leg portion.

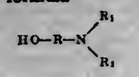
2,471,187
COMPOSITE FLOATING BEARING JOURNAL
Karl W. Atwater, Pittsburgh, Pa.
Application July 21, 1944, Serial No. 545,977
3 Claims. (Cl. 308—238)



1. A composite bearing structure comprising a plurality of superposed alternate metallic and non-metallic, bearing sleeves journaled for rotation relative to each other and having channelling extending to their respective bearing surfaces and communicating with a source of pressure fluid.

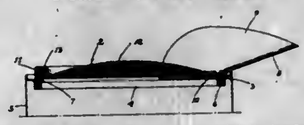
2,471,188
UREA RESINS CONTAINING AMINOALKOXY SUBSTITUENTS
Robert W. Auten, Jenkintown, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 28, 1945, Serial No. 607,851
5 Claims. (Cl. 260—70)

1. As a new composition of matter, a thermosetting resinous product, containing di-substituted aminoalkoxy groups, obtained by condensing at a pH of 4 to 7 (a) urea, and (b) an aldehyde from the group consisting of formaldehyde, acetaldehyde, butyraldehyde, furfuraldehyde, and benzaldehyde, to form an alkylol derivative of said urea, and etherifying said alkylol derivative with (c) a di-substituted amino-alcohol having the general formula



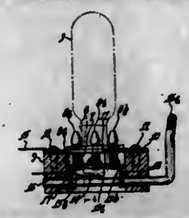
in which R is a saturated alkylene group of two to six carbon atoms, R_1 is a hydrocarbon group from the class consisting of alkyl groups of one to six carbon atoms, benzyl, phenyl and cyclohexyl groups, and R_2 is a hydrocarbon group from the class consisting of alkyl groups of one to six carbon atoms, benzyl and cyclohexyl groups, at a temperature from 60° C. to 105° C., the aldehyde being reacted in an amount from 2 to 3.0 mols per mol of urea and the amino-alcohol being reacted in an amount from 0.05 to 0.5 mol per mol of aldehyde.

2,471,189
STRAINER AND SPOUT ATTACHMENT FOR CANS
Frank Barteis, Sacramento, Calif., assignor of one-fifth to John G. Maslenka, Sacramento, Calif.
Application November 22, 1944, Serial No. 564,682
1 Claim. (Cl. 210—163.5)



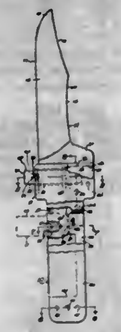
In combination with a can which includes a circular opening in its top and a channel formed in the top adjacent the opening, a pair of arcuate members, each member engaging in a portion of the channel to hold the members in position when the can is inverted, such members being of a size to complement each other to form a substantially full circle ring about the channel whereby to hold each member against displacement with respect to its fixed position in the channel, a spout fixed to one member, a lip on the spout projecting inwardly of the said one member and overhanging the adjacent inner edge of the circular opening of the can, and a strainer fixed on the other member, such strainer including a portion symmetrically fitting between the sides of the spout and overhanging and resting on the lip of the spout.

2,471,190
LAMP SOCKET
Sten E. Bartelson, Ashland, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 30, 1946, Serial No. 694,038
4 Claims. (Cl. 173—328)



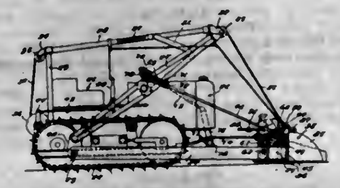
1. A socket for an electrical device comprising a hollow pedestal, an apertured disc mounted on said pedestal, a washer provided with pins upwardly extending through said apertures and disposed within said pedestal, at least one spring positioned between said disc and washer for biasing the washer in a downward direction, a cam acting directly on said washer for relieving the tension on said spring.

2,471,191
COMBINATION TOOL
Ruby R. Boshaw, Detroit, Mich.
Application April 6, 1946, Serial No. 660,114
6 Claims. (Cl. 279—77)



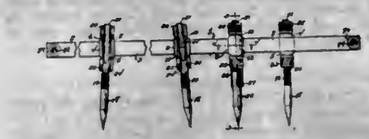
3. A combination tool comprising a handle having a longitudinal socket therein, a pivot member in said socket, a detent in said handle remote from said pivot member, and an implement having an elongated shank insertable in said socket and having a recess engageable with said pivot member and a locking portion engageable with said detent, said implement having and approximately right-angled cutaway abutment portion, and said handle having a rigidly-mounted approximately right-angled abutment member engageable with said right-angled cutaway abutment portion.

2,471,192
SHIFTING SHOVEL LOADER
Robert E. Boulton, Rifle, Colo.
Application February 12, 1947, Serial No. 727,997
7 Claims. (Cl. 214—132)



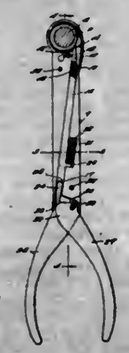
1. An earth working machine comprising a tractor, lifting means connected to the tractor for pivotal movement between lowered and raised positions, a shovel supporting member connected to the lifting means for lateral shifting movement, a shovel hinged upon the supporting member and adapted to be dropped down to release the dirt collected by the same, means for automatically latching the supporting member and the shovel against lateral shifting movement in lowered positions of said lifting means, means for automatically releasing said latching means and simultaneously shifting said supporting member and shovel laterally relative to said lifting means as an incident of lifting means elevation from lowered positions, and means for releasably retaining the shovel in a raised position upon the supporting member and against downward hinging movement therefrom.

2,471,193
BEAM COMPASS
James E. Brower, Pleasantville, N. J.
Application May 18, 1945, Serial No. 594,388
3 Claims. (Cl. 33—158)



1. A compass device, comprising a sectional longitudinal adjustable bar, a block formed on one of the ends of each section and having arcuate upper and lower faces, and a vertical elongated slot, a plurality of supports slidably mounted on the bar and having a transverse slot through which the sections of the bar are received, clamping nuts for holding the sections in adjusted position and the supports in place thereon, said supports having upper and lower arcuate faces and an elongated vertical slot, and implements carried in the slots of the supports and blocks and angularly movable with respect thereto, means for clamping the implements in position, said means engaging the arcuate faces of the supports and blocks.

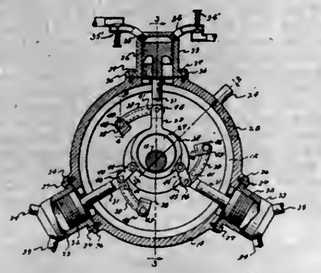
2,471,194
WRENCH
Alonzo V. Capps, Alamogordo, N. Mex.
Application October 30, 1944, Serial No. 561,091
3 Claims. (Cl. 74—128)



1. A ratchet wrench of the class described comprising an elongated body of general rectangular

cross-sectional form provided in one flat face with a diagonal groove opening through said face, said groove constituting a slideway, a thrust rod of a length less than and mounted for reciprocation in said slideway and disposed flush with said one face, said thrust rod being provided on one side intermediate its ends with a lateral abutment, and said body having a recessed pocket in which said abutment is situated and slidably operable, a return spring confined in said pocket engaging said abutment, toothed ratchet means at the outer end of said body, a pawl mounted on said body and cooperable with the teeth of said ratchet means, a pivoted thrust finger on the outer end of said thrust rod, said finger being located in said groove and being engageable with said teeth, together with a single cover plate fitted against the grooved face of said body and closing and shielding said groove, thrust rod, thrust finger, abutment, return spring, and also coacting with and assisting in holding said ratchet means in place, and handle means at the inner end of said body.

2,471,195
VARIABLE CAPACITY HYDRAULIC PUMP
Claude J. Christopher, Los Angeles, Calif.
Application December 5, 1947, Serial No. 789,827
3 Claims. (Cl. 103—174)



1. A hydraulic pump comprising a housing, pump cylinders radially arranged in the housing, pistons operable in the pump cylinders, a shaft extending into the housing and having an eccentric portion thereon, a driving plate connected to the eccentric portion, an adjustable plate forming a part of the housing and having anchor portions thereon, slotted links pivotally connected to the anchor portions, a slide operable between the slotted links, a piston rod connected to the slide, and a connection between the driving plate and the slotted links to operate the same and to effect the movement of the pistons.

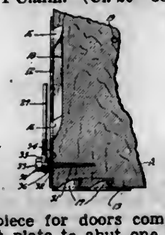
2,471,196
ADJUSTABLE PATTERN FOR COLLARS AND LAPELS
Dominick J. Cieri, Hartford, Conn.
Application April 30, 1945, Serial No. 590,989
1 Claim. (Cl. 33—15)

The combination of an adjustable garment pattern comprising a plurality of separably connected sections and including a pair of abutting separable front sections, and an independent adjustable collar pattern including a pair of adjustably connected collar sections superimposed upon and adjustably secured to said front sections; each of said front sections being detachable from the garment pattern as a unit with its



respective collar section to provide a pattern for a combined front and collar section of a garment.

2,471,197
BRACKET FOR MOUNTING ROLLERS ON OVERHEAD DOORS
Henry B. Clark, Elizabeth, N. J.
Application October 11, 1944, Serial No. 558,265
1 Claim. (Cl. 20—38)



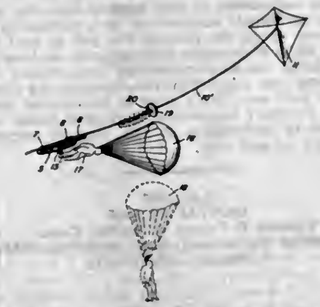
A corner piece for doors comprising a substantially flat plate to abut one face of a door and having two edges meeting at a right angular corner, and each formed with a flange perpendicular to the plate to abut the right angularly disposed side and bottom edges at a corner of such door, respectively, each flange having at least one integral lug projecting from the inner surface thereof in spaced and approximately parallel relation to said plate and extending diagonally away from said right angular corner and having a pointed end whereby said corner piece may be mounted on the corner of such door by slipping it over said door corner and forcing it longitudinally and transversely of the door so that said lugs will be driven into said edges of the door.

2,471,198
TUBING ROTATOR
David R. Cormany, Long Beach, Calif.
Application March 22, 1948, Serial No. 16,289
1 Claim. (Cl. 166—14)



Tubing rotating mechanism for a well apparatus including a casing within the well and a tubing within the casing extending upwardly above the upper end of the casing, said mechanism comprising a housing having a flanged base secured to the upper end of the casing and surrounding the tubing, a spinner plate fixed to the tubing, an antifriction bearing positioned between said spinner plate and the flanged base of said housing for supporting and permitting rotation of the tubing, a driven gear secured to said tubing coaxially therewith, a shaft journaled in bearing supports carried by said housing, a driving gear secured to said shaft in meshing engagement with said driven gear, said gears affording a reduction of speed of rotation of said tubing relative to said shaft, a toothed ratchet wheel secured to said shaft, an actuating arm pivotally mounted on said shaft, a ratchet finger on said arm for engagement with the teeth of said ratchet wheel for intermittent unidirectional rotation of said shaft upon oscillation of said arm, and means for oscillating said arm.

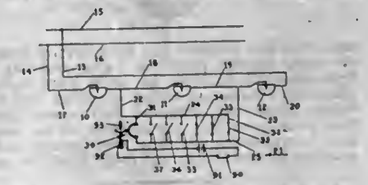
2,471,199
PARACHUTE RELEASE FOR KITES
Vincent C. Coyne and John W. Stuart, New Brunswick, N. J.
Application March 23, 1948, Serial No. 16,508
1 Claim. (Cl. 244—155)



A toy parachute release for kite strings comprising a slide, a pair of longitudinally aligned apertured guides rising from each end of the slide for suspending the slide on a kite string, a hook having a bill and being slidable longitudinally on top of the slide, guides for the hook closing the bill of the hook, a hanger having an open parachute attached thereto and releasably engaged on the bill of the hook in a suspended position from the slide, said hanger being released by a rearward movement of the hook and said slide being carried forwardly on the string by force of air currents subjected to the parachute, and a stop carried by the string in the path of the hook during forward movement of the stop to move the hook into its releasing position, said slide having an aperture therein through which said hanger depends from said bill and in which the hanger is confined during rearward movement of the hook to release said hanger.

2,471,200
COMPOSITE SWITCHING DEVICE
William Deans, Ridgewood, N. J., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 16, 1945, Serial No. 599,844
3 Claims. (Cl. 171—97)

1. A switching device for sequentially establishing and disconnecting a plurality of parallel circuits across an electrolytic cell in series with other electrolytic cells; said switching device comprising a support; a plurality of switches carried by said support; a handle individual to each of said switches; and an interlock member carried by each handle; each interlock member being engageable with the interlock member of an adjacent switch; the interlock member of one switch being arranged to block the movement of the interlock member and handle of an adjacent switch when the handles are in one position; and the interlock member of said adjacent switch being



arranged to block movement of the interlock member and handle of said first mentioned switch when the handles are in another position, each of said switches being arranged on operation of the handle to establish or disconnect one of said parallel circuits; and a circuit breaker member mounted on said support and arranged to connect and disconnect an additional circuit in parallel across said electrolytic cell; and means for opening said circuit breaker member after all of the other switches have been opened, said circuit breaker member having an arc extinguisher.

2,471,201
BODY-SUPPORTED INFANT'S CHAMBER POT
Neva R. Deardorff, New York, N. Y.
Application January 26, 1946, Serial No. 643,568
2 Claims. (Cl. 4—110)



1. A toilet utensil for an infant, comprising a generally oval vessel having an open top provided with a flange shaped for seating the infant thereon, and a pair of supporting members rigidly secured to the opposite sides of the vessel at the shorter diameter thereof and extending laterally from adjacent the top of the vessel, said members being curved to fit comfortably over the legs of an adult, when seated, adjacent and above the knees, and having portions at the outer ends thereof extending downwardly to fit over the outer sides of the adult's legs to hold the supporting members in place, whereby said vessel may be readily held between the adult's knees when in use by the infant.

2,471,202
CHANCE CONTROLLED HEMISPHERICAL GAME PIECE
Hubert Desaulniers, Montreal, Quebec, Canada
Application January 11, 1946, Serial No. 640,427
In Canada December 17, 1945
1 Claim. (Cl. 273—146)

A game, comprising, a pair of cooperating identical but completely separate pieces, each

piece being a hemisphere solid throughout and having a flat unbroken surface and a hemispherical unbroken surface, the flat surfaces of the respective pieces adapted to be juxtaposed to mate the pieces so as to form a sphere which can be held in the hand for throwing but of which the hemispheres are free from connec-



tion with one another and may readily separate on being thrown from the hand, the flat and hemispherical surfaces of each piece forming alternative bases on either of which the individual piece can come to rest when thrown on a playing surface, the surfaces of the respective hemispheres carrying contrasting indicia adapted to distinguish one piece from the other.

2,471,203
ARTICLE OF APPAREL AND METHOD OF MAKING SAME
Arnold Eddy, Middletown, Conn., assignor to Trubenising Process Corporation, New York, N. Y., a corporation of New York
Application February 1, 1946, Serial No. 644,938
3 Claims. (Cl. 2—143)

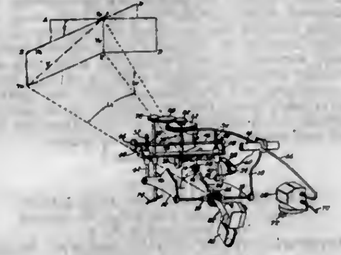


1. The method of producing a flexible fold line in an article of apparel having a plurality of plies of textile fabric fused together one of which contains a latently adhesive substance that is capable of being rendered adhesive by treatment with a solvent, which comprises applying to one of the plies along the predetermined fold line a coating of an aqueous solution of carboxymethyl cellulose, and drying the coating to form a non-spreading, strong pliable adhesion preventive film thereon which film is impervious to and insoluble in the solvent used to fuse the plies but is soluble in water.

3. A washable article of wearing apparel having a preformed fold line, comprising a pair of external plies, an intermediate lining ply adhesively secured to at least one of said external plies, and a narrow, non-spreading, film of carboxymethyl cellulose on one of the plies in the region of the fold line to prevent adhesion of said ply to an adjacent ply along said zone, said film being completely dissolved and thereby removed from the article on the first washing thereof.

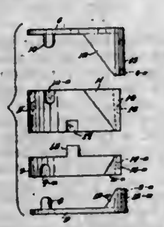
2,471,204
COMPUTING SIGHT
Richard M. Elliott, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 11, 1946, Serial No. 646,969
3 Claims. (Cl. 33—49)

1. In a gun sight for use with a gun mounted to swing in azimuth and elevation, a sighting element, a sight bar carrying said element and mounted for universal movement about a pivot point which is fixed relatively to the gun, sight operating means comprising a support mounted for rotation about and translation along an axis which intersects a line parallel to the gun and passes through said fixed point, means operated in response to a movement of the gun in azimuth to impart an equal and opposite rotation to said support about said axis thereby to maintain constant the orientation of said support in space, means operated in response to a movement of the gun in elevation to impart an equal and opposite



angular movement to said support whereby said axis is constantly maintained in a vertical position, and means for causing the gun to lead the line of sight in elevation and azimuth, said means comprising operator-controlled connections for adjusting said support in translation in the direction of said axis and a slide to which said sight bar is pivotally connected, said slide being adjustable in translation on said support perpendicularly to said axis.

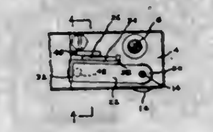
2,471,205
DENTAL FLASK
Thomas F. Fagan, Columbia, Conn.
Application November 5, 1946, Serial No. 707,959
3 Claims. (Cl. 18—33)



1. A molding flask of the character described including a unitary section having a surrounding wall with a single slit therein to permit opening of said section, and a cover having a perpendicular projection covering said slit and engaging the said section at opposite sides of the slit to retain the section in closed position.

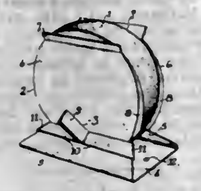
2,471,206
FLINT HOLDER
Irving Florman, New York, N. Y.
Application March 1, 1946, Serial No. 651,353
2 Claims. (Cl. 67—7.1)

1. A flint holder for pyrophoric lighters, comprising a piece of sheet metal bent to form a tube square in cross-section, one wall of said tube extending laterally beyond the adjacent wall and being bent upwardly parallel to such adjacent wall but spaced therefrom to form a space therebetween, and a closure part comprising a piece of sheet metal bent to form a first portion adapted to close one end of the tube and a second portion



at right angles thereto adapted to fit into said space, said second portion having an outwardly turned flange at its free end arranged to engage the front edge of the upwardly bent part of the tube to hold said closure part in position to close the end of the tube.

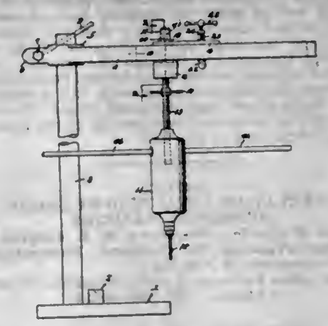
2,471,207
BLADE SHARPENER
Grover C. Freeman, Fort Leavenworth, Kans.
Application November 17, 1947, Serial No. 786,436
10 Claims. (Cl. 51—214)



1. A sharpener comprising a flat cylindrical stone, and a holder including side portions for freely supporting said stone therebetween, said side portions being resiliently biased to engage the sides of said stone and bias a blade against said stone when it is inserted between one of said side portions and the adjacent side of said stone, and flanges extending inwardly toward each other from the lateral edges of said side portions and overlapping and conforming to the peripheral surface of said stone, said flanges being tapered to provide inwardly inclined edges for guiding a blade at an angular position when it is inserted between a side portion and said stone.

2,471,208
PORTABLE DRILL BRACE
John E. Gay, Newborn, Ga.
Application October 28, 1947, Serial No. 782,593
1 Claim. (Cl. 77—59)

In a portable motor operated appliance, the combination with a stand including an upright post, a horizontal arm having an opening at one end thereof fitted over the post for vertical adjustment thereon, said horizontal arm having a slot formed longitudinally thereof and extending inwardly from a point adjacent to the free end thereof, a head formed with an upstanding stud extended through the slot, an elongated washer disposed longitudinally of the arm directly over the slot, said elongated washer having an opening adjacent to one end thereof in which the stud is rotatably mounted, a clamp clamping the opposite end of the washer to said arm, securing the head in positions of adjustment, a feed screw secured to the head and being threaded in an open-



ing of a drill, whereby said drill is adjusted vertically to and from its work.

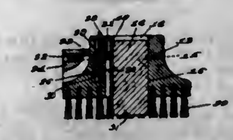
2,471,209
PROTECTOR FOR PIPES
Lassio Gasdik, McKeesport, Pa.
Application April 18, 1944, Serial No. 531,667
3 Claims. (Cl. 138—25)



2. In a method of protecting the enlarged ends of pipe from contact with each other when pipe lengths are handled in bundles by a sling, the steps including laying on each pipe length adjacent the enlarged end but inwardly thereof, a plurality of bearing members extending longitudinally of the length and covering substantially the entire circumference thereof and securing a tension bond about said members.

3. The combination with a pipe length including a barrel of uniform diameter and an enlarged muzzle at one end, of a spacer collar encircling the barrel adjacent said muzzle but disposed inwardly thereof, composed of a plurality of bearing blocks extending longitudinally of the length and disposed side-by-side around the circumference thereof and a tension bond about said blocks.

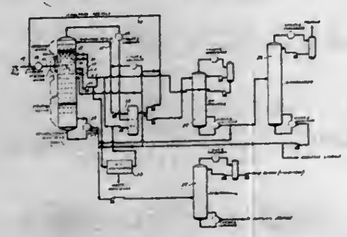
2,471,210
BATH BRUSH
Hartwell Griffin, Parton, Mass.
Application March 5, 1948, Serial No. 652,038
2 Claims. (Cl. 15—122)



1. A bath brush comprising an oval head formed with a central upstanding vertically apertured hand-gripping portion forming a well for

receiving a cake of soap, depending bristle tufts mounted in the lower surface of said brush head, inwardly directed spurs formed integrally on an inside wall of said well forming a fixed jaw, a movable jaw supported within said well opposite the fixed jaw and upon a threaded shank extending transversely through the opposite wall of said well and having spurs formed on the inner surface thereof, and a movable jaw operating nut disposed on said threaded shank whereby the cake of soap may be clamped in the desired adjusted position in said well.

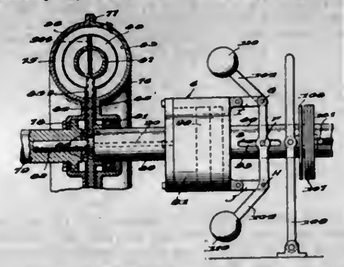
2,471,211
ALKYLATION CATALYZED BY LIQUID HYDROGEN FLUORIDE
Stuart T. Hadden, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application February 9, 1946, Serial No. 646,689
2 Claims. (Cl. 260—683.4)



1. In a process for the catalytic alkylation of isoparaffins by reaction with olefins in the presence of hydrogen fluoride in a fractionating column by introducing a fresh feed of isoparaffins and olefins below a tray in a reaction section of said column intermediate the upper and lower trays thereof, refluxing vapors from said reaction section in a refluxing section of said column above said reaction section and returning reflux liquid therefrom to said reaction section, stripping liquid from said reaction section in a stripping section of said column below said reaction section and returning vapors therefrom to said reaction section; the improvement which comprises passing liquid from said reaction section to a settling zone closed to vapor rising in said column, settling said liquid in said zone to provide a liquid hydrocarbon phase substantially free of liquid hydrogen fluoride, a liquid hydrogen fluoride phase substantially free of liquid hydrocarbons and a vapor phase, transferring said hydrocarbon phase to said stripping section, returning said vapor phase to said column at a point above said reaction section, and returning hydrogen fluoride so separated in said zone to said reaction section.

2,471,212
ROTARY TURBINE TYPE FLUID COUPLING
Estyle D. Hanson, Baltimore, Md.
Application April 5, 1946, Serial No. 659,912
4 Claims. (Cl. 60—54)

1. In a fluid coupling, a drive shaft, a driven shaft aligned with the drive shaft, an annular casing secured to the drive shaft, a helical vane carried by the casing and arranged on the inner surface thereof, a disc secured to the driven shaft, an annular core carried by the disc within said annular casing, a helical vane surrounding said annular core and secured thereto terminating at its outer periphery adjacent the inner edge of the

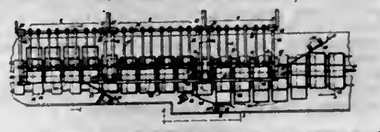


first helical vane, and a supply of liquid within said annular casing.

2,471,213
TREATMENT OF AQUEOUS LIQUIDS
Eric Berkeley Higgins, Tewin Wood, England, assignor to Tewin Industries, Inc., New York, N. Y.
No Drawing. Application June 5, 1942, Serial No. 445,981. In Great Britain January 22, 1937
13 Claims. (Cl. 210—24)

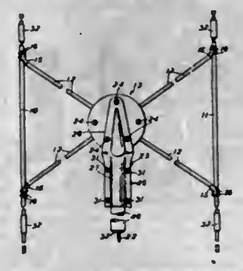
1. The process for the softening of water which comprises subjecting the water containing water-hardening compounds to contact with a cation-exchange material produced by heating a residual acid sludge from the refining of mineral oil fractions, and treating the resultant heated sludge mass with an alkali metal compound, and separating the water from said cation-exchange material.

2,471,214
GATHERING MACHINE DISTRIBUTOR
Eric S. Hope, Elizabeth, N. J., assignor, by mesne assignments, to Conveyor & Machinery Manufacturers, Inc., New York, N. Y., a corporation of New York
Application January 24, 1948, Serial No. 4,100
20 Claims. (Cl. 226—14)



1. In a distributing apparatus for receiving and delivering sheets from the feed rollers of a gathering machine of the class described, a plurality of successive pairs of coacting delivery members positioned to receive therebetween sheets from said feed rollers, each of said pairs of members having a receiving end and a discharge end and containing cooperative sheet-engaging elements continuously moving from said receiving end towards said discharge end, a continuous conveyor disposed below and movable transversely with respect to the said moving elements of the said delivery members, said conveyor having thereon a plurality of open trays each containing a flat base plate adapted to receive thereupon boxes for receiving the sheets, and a plurality of deflector guides disposed along the path of said conveyor in different predetermined positions relative to the longitudinal center-line of the conveyor and disposed above said base plates, whereby the guides may engage and operatively move the boxes on the said base plates to predetermined positions relative to said discharge ends of the delivery members.

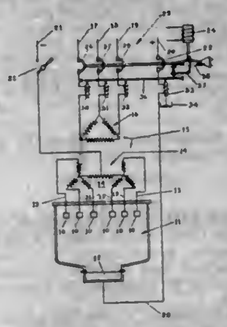
2,471,215
RADIO ANTENNA
Donald Jackson, Cambridge, England, assignor to Pye Limited, Cambridge, England, a company of Great Britain
Application November 15, 1946, Serial No. 710,118
In Great Britain September 27, 1945
8 Claims. (Cl. 250—33.65)



2. An ultra-short wave antenna comprising an antenna rod, an insulating housing, a coaxial cable extending from said housing with one end of said cable within said housing, an impedance matching unit within said housing including an insulating moulding having exposed terminal connectors thereon and impedance matching means for coupling said antenna rod to said cable embedded and sealed within said moulding and conductively connected to said terminal connectors, said end of said cable being embedded and sealed in said moulding in conductive connection with said matching means, means for supporting said housing, a pair of metallic stay rods supporting said antenna rod from said housing, said stay rods being conductively secured at one end thereof to said antenna rod at spaced feed points therealong and said stay rods extending at the other ends thereof into said housing, said other ends of said stay rods being tubular and respectively fitting over said terminal connectors of said matching unit to conductively connect said stay rods with said matching means for the purpose and with the effect that said stay rods function also as feeders connecting said feed points of said antenna rod to its said matching means, and means for holding said tubular ends of said stay rods captive in said housing.

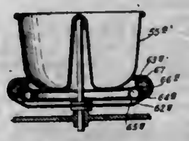
2,471,216
LOW-VOLTAGE RECTIFIER PROTECTION
Otto Jensen, Malvern, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 18, 1945, Serial No. 623,109
3 Claims. (Cl. 321—12)

1. In a rectifier circuit comprising a plurality of alternating current conductors connected to the primary of a transformer, a rectifier having an anode connected to the secondary of the transformer and a cathode connected to a direct current conductor; a protective device comprising a multipole circuit breaker, the poles of the circuit breaker being simultaneously operable to open and closed position; one of the poles of the circuit breaker being connected in the direct current conductor; and being calibrated for time delay in response to overloads; and the other poles of the circuit breaker being connected in the alternating current conductors, each pole of the circuit breaker having a tripping device energized



by the conductor in which the pole is connected; each of the tripping devices energized by the alternating current conductors being calibrated for instantaneous trip at a predetermined current level.

2,471,217
ROTATABLE DEVICE
Philip A. Johnson, Van Nuys, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 13, 1945, Serial No. 604,764
3 Claims. (Cl. 74—573)

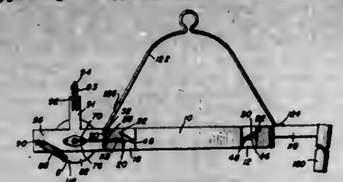


1. A device of the type described comprising: a rotatable body and means supporting it for rotation about a predetermined axis and for swinging movement about a center located in said axis; an axially symmetrical receptacle concentric with respect to said predetermined axis and axially displaced from said center and rotatable with said body, said receptacle comprising an annular channel open on its inner side and adapted to retain a ring of liquid by centrifugal force during rotation; and an annular member secured to said body and extending into said annular channel during rotation of said device.

2,471,218
BAG HOLDER AND RELEASER
Lovic O. Jones, Greenfield, Tenn.
Application October 30, 1947, Serial No. 783,097
8 Claims. (Cl. 248—95)

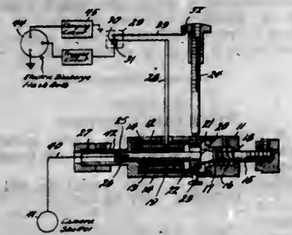
1. A bag holder comprising an annular open frame, hanger means carried by said frame for engaging a supporting structure, a tightly coiled spring element rotatably and slidably carried by said frame, a plurality of circumferentially spaced bag supporting members fixed to said element, means acting on said element for normally

retaining said members in a raised position for supporting a bag, and means for rotating said



element to actuate said members to a lowered position for releasing a bag.

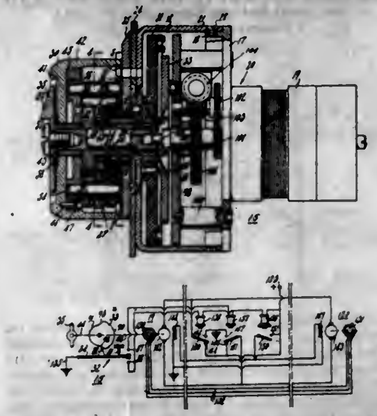
2,471,219
PHOTOFLASH SYNCHRONIZER WITH TRIPPER-OPERATED SAFETY SWITCH
Arthur Kennedy, Wood-Ridge, N. J., assignor to A. F. Smuckler and Charles C. Cullen, doing business as A. F. Smuckler & Company, New York, N. Y.
Application December 3, 1946, Serial No. 713,645
2 Claims. (Cl. 95—11.5)



1. A device of the class described, comprising: a casing having registered openings at its opposed ends, and operating rod passing through said casing and through said openings, said rod having a withdrawn or cocked position and a retracted position, means operable to latch the rod in its cocked position, tripping means to release said rod from its cocked position, resilient means within the casing for moving said rod through an operational stroke from the cocked to the retracted position, said rod having means at one end adapted to operate a camera shutter, electrical switch means within the casing operable to its closed position at the end of the operational stroke, and a second switch in series with said switch means and operable by said tripping means to its closed position and operable to its open position upon the conclusion of the tripping operation and release of the tripping means, said switches cooperating to control the operation of a flash bulb.

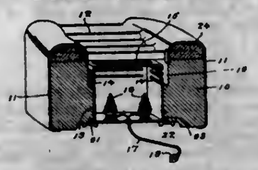
2,471,220
REMOTE POSITIONING AND INDICATING SYSTEM
William P. Lear, North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich., a corporation of Illinois
Application January 11, 1944, Serial No. 517,831
7 Claims. (Cl. 318—31)

1. A position preselecting and indicating unit comprising, in combination, a housing; said housing having a tubular extension; a shaft extending through said extension; a sleeve rotatably mounted on said shaft; a switch mounting plate in said housing secured to the inner end of said sleeve; a cam in said housing secured to the inner end of said shaft; a position selector mounted on said housing; means securing said selector against rotation relative to said sleeve; a position indicator; means securing said position indicator to the outer end of said shaft; a cup shaped knob rotatably mounted on said shaft; a clutch device rotatably mounted on said shaft within said knob; releasable means nor-



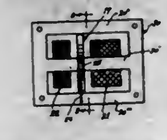
mally connecting said knob and clutch device for movement as a unit; reduction gearing mounted in said knob and operatively connecting said clutch device to said position selector and said switch mounting plate; switch means on said switch mounting plate operatively associated with said cam selectively operable by displacement of said cam from a neutral position; an electric motor mounted on said housing; gearing operatively connecting said motor to said cam; and circuit connections between said switch means and said motor.

2,471,221
ELECTRIC FOOT-WARMING OTTOMAN
George W. Lindstrom, Westport, Conn.
Application May 18, 1946, Serial No. 27,659
1 Claim. (Cl. 219—19)



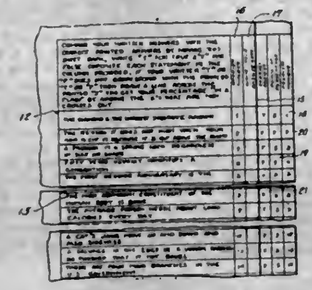
An electric foot-warming ottoman comprising a main body having an opening extending vertically therethrough, foot rest bars spaced from one another and extending over the top of the opening, and a heater unit disposed in the opening beneath the foot rest bars, said heater unit including a casing having top and side openings, the opening in the main body being inset adjacent the side openings of the heater casing whereby to provide a recess for circulation of air through the heater casing and the foot rest bars and means carried by the bottom of the main body for retaining the heater unit within the body.

2,471,222
REGULATED TRANSFORMER
Lionel Lorant, Long Island City, N. Y.
Application November 7, 1947, Serial No. 784,557
1 Claim. (Cl. 171—119)



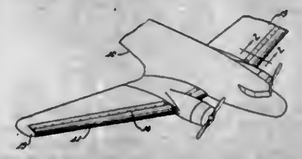
In an electrical transformer of the character described, a core having an outer ring and a leg across said outer ring forming a pair of openings in said core, a primary coil and a secondary coil carried on said leg in spaced relation and an auxiliary core member rotatably mounted intermediate its ends about said leg between the coils, adapted upon operation of the transformer to be influenced to movement from a normal rest position to a position whereby said auxiliary core member shall provide magnetic leakage paths shunting said leg and ring across each of said openings in the core; the extent of movement of the auxiliary core member being determined by the intensity of the magnetic field between the coils when the transformer is operated and the amount of the leakage being determined by the extent of movement of the auxiliary core member, and means urging the said core member to normal rest position.

2,471,223
SELF-QUIZ DEVICE
Charles Lorber, Louisville, Ky.
Application June 14, 1946, Serial No. 676,627
2 Claims. (Cl. 35—48)



1. A knowledge testing device including an upper and a lower sheet joined at one lateral edge, said sheets being of substantially the same width, the upper sheet being adapted for lateral slippage relative to the lower sheet to expose a portion of said lower sheet at the free lateral edges thereof, said upper sheet having a vertical crease intermediate its lateral edges said upper sheet including a flat portion at its free lateral edge adapted to lie flat with reference to the lower sheet extending from its free lateral edges to said crease, the remainder of the upper sheet bulging upwardly away from the lower sheet when pressed laterally, the first upper sheet having a column of appropriately defined blank spaces along its marginal edge and a column of printed problems laterally alined with the blank spaces, the lower sheet having a column of indicia along its marginal edge indicating answers to said problems, the indicia being laterally alined with the blank spaces when exposed by lateral slippage of the first sheet, the lower sheet having a column of indicia along its marginal edge indicating answers to said problems.

2,471,224
MEANS FOR PREVENTING THE ACCUMULATION OF ICE ON AIRCRAFT SURFACES AND THE LIKE
Dwight L. Loughborough, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 19, 1945, Serial No. 589,124
20 Claims. (Cl. 244—134)



6. Apparatus adapted to be mounted on the leading edge of an airfoil exposed to icing conditions for preventing accumulation of ice thereon, said apparatus comprising an inflatable boot of flexible, elastic rubbery material having an exposed surface comprising a flexible elastic silicone, said surface being resistant to the adhesion of ice under said icing conditions.

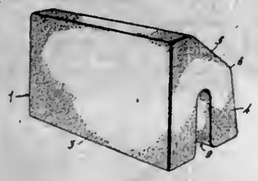
2,471,225
GRADING MACHINE BIN
McSherry Lupton, Winchester, Va.
Original application August 9, 1941, Serial No. 406,177. Divided and this application July 26, 1946, Serial No. 686,543
2 Claims. (Cl. 209—74)



1. In a machine of the class described, a padded packing bin having upright sides for receiving fruit to be packed, said bin having a door padded on its inner surface and pivoted to the bottom of the bin so as to be flush with the side of the bin when in the upright closed position, and a detent device engaging said door for maintaining said door in the upright closed position against the weight of the fruit in the bin and limits its closing movement upwardly and inwardly at the termination of the upward closing movement, said door having a plate extending from the door downwardly when the door is in

the upright position and said detent device including a leaf spring mounted on and extending from beneath said bin floor and having at its outer end an upwardly extending end element, said plate being adapted to have its outer edge portion bear against the upper surface of said spring and engage the upwardly extending element whereby inward closing movement of the door is limited, said detent exercising its maximum resistance to the movement of the door as the door approaches and leaves the vertical position.

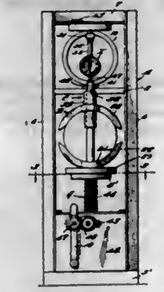
2,471,226
CONCRETE CURB BLOCK
Emil C. Maccario, Maplewood, N. J.
Application April 13, 1945, Serial No. 588,105
2 Claims. (Cl. 94—31)



1. A concrete curbing construction for highways and the like, comprising in combination, a concrete foundation, a number of concrete blocks each having front, rear, top, bottom and end surfaces and having recesses opening through said bottom and end surfaces, said blocks being arranged end to end on said foundation with portions of said concrete foundation extending upwardly into said recesses, and mortar material interposed between the end surfaces of said blocks and substantially filling said recesses thereby forming a binding connection between said mortar material, said concrete foundation and the adjacent blocks, said connection being cross-shaped in horizontal cross section through said recesses and inverted T-shaped in longitudinal vertical section through said recesses whereby the blocks are securely held on the foundation and prevented from displacement horizontally relatively to said foundation and to each other.

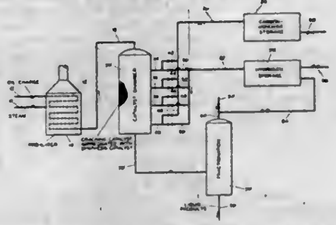
2,471,227
METHOD OF PRODUCING AND TESTING SPECIMENS OF PAVING MIXTURES
Bruce G. Marshall, Jackson, Miss.
Original application February 9, 1944, Serial No. 521,692. Divided and this application May 6, 1946, Serial No. 667,573
3 Claims. (Cl. 73—15.6)

1. The herein described method, which consists in pressing a quantity of paving mixture into a compact disk-like circular body to provide a test specimen, heating the specimen to an appropriate testing temperature, subjecting the heated specimen to compression diametrically thereof between a pair of opposed substantially similar arcuate members each embracing and contacting the peripheral edge of the specimen for nearly one half the circumference thereof and until failure of the same occurs, measuring the pressure to which the specimen is subjected and noting the degree thereof when failure of the specimen occurs to determine the stability value of the mixture, and measuring the diametric deformation of the specimen resulting from the compression thereof and noting the degree of such deformation at the



time failure of the specimen occurs to determine the flow value of the mixture.

2,471,228
PRODUCTION OF HYDROCARBONS
Eugene V. Mathy, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 3, 1946, Serial No. 694,543
3 Claims. (Cl. 196—52)

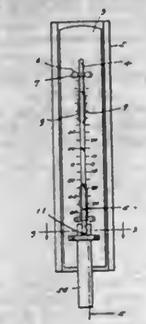


1. The process which comprises passing a mixture of gas oil and steam through an elongated catalyst zone in contact with a bauxite cracking catalyst impregnated with about five weight per cent of nickel oxide synthesis catalyst at a temperature of about 950 to 1000° F., and a flow rate of one liquid volume gas oil per volume of catalyst per hour, passing a mixture of hydrogen with carbon monoxide in approximately a 3:1 volume ratio of hydrogen to carbon monoxide into said catalyst zone at a plurality of points along the length thereof in total quantities of about 50,000 cubic feet of said mixture per hour to form hydrocarbons substantially entirely heavier than methane, and recovering as unsaturated products from effluents of said catalyst zone cracked hydrocarbons and synthesized hydrocarbons including gasoline in admixture.

2,471,229
THERMOMETER WITH HEAT CONDUCTOR
Edward L. McDonald, Sydney, Nova Scotia, Canada
Application March 27, 1946, Serial No. 657,595
1 Claim. (Cl. 73—376)

In combination, a back member, a thermometer tube and a bulb at the lower end thereof mounted on said back member, said tube being of some resiliency and having its bulb normally

engaging said back member, and a strip of heat conducting material frictionally held between

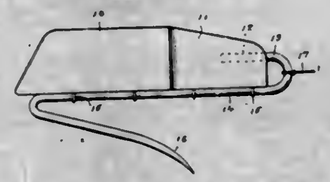


said bulb and back member and projecting beyond one end of said back member.

2,471,230
RESIDUE CARBOXYLIC ACID - ALKYLENE DIAMINE RESINS
Charles H. McKeever, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 4, 1945, Serial No. 609,033
3 Claims. (Cl. 260—78)

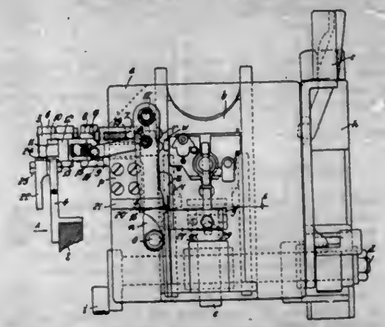
1. A fusible, organic, solvent-soluble resinous composition, being the reaction product obtained by heating together at 120° to 270° C. in amounts which are chemically equivalent within ten per cent an alkylene primary diamine of not over ten carbon atoms and the amber-colored viscous residue containing long-chained polycarboxylic acids, having an acid number between 140 and 165, having an iodine number between thirty and sixty, and being the non-volatile material remaining from vacuum-distilling at 270° C. under four mm. pressure the by-product acids obtained in the preparation of sebacic acid from castor oil by treatment with alkali.

2,471,231
BIRD RETRIEVER
Benjamin Miller, Andover, Mass.
Application April 4, 1947, Serial No. 739,521
2 Claims. (Cl. 43—49)



1. A bird retrieving device comprising a float body tapered at its forward end and having a flat bottom and a hook having a straight shank and a bent back portion at one end of the shank and an engaging formation at the opposite end of the shank, the straight portion of said hook being attached to the flat bottom of the float longitudinally thereof so that the engaging formation will extend vertically downwardly therefrom, said float having a hole extending inwardly from its forward tapered end and receiving the bent back portion of the hook whereby to prevent the float from twisting to one side or the other of the hook.

2,471,232
FIRING MECHANISM FOR AUTOMATIC GUNS HAVING TRANSVERSELY MOVABLE BREECH BLOCKS
Desmond Walter Molins, London, England, assignor to Molins Machine Company, Limited, Deptford, London, England
Application July 20, 1943, Serial No. 495,522
In Great Britain June 25, 1942
14 Claims. (Cl. 89—4)



1. In firing mechanism for automatic guns of the kind described having a breech block and a breech ring, a cocking member movable into and out of firing position as the breech block is closed and opened, a fire-control-device, a firing member on the block constructed and arranged to be operated by said fire-control-device, a second firing member on the breech ring through which said first firing member is operated, and a catch device arranged to prevent said fire-control-device and said second member from operating said first firing member until said cocking member has moved into firing position and the breech block is closed comprising a lever pivoted at one end to the breech ring and connected by a link to said second firing member, the free end of said lever being arranged to engage said cocking member until said cocking member has moved into firing position.

2,471,233
MECHANICAL HORSE
Ephriam V. Monson, Salt Lake City, Utah
Application March 12, 1947, Serial No. 734,003
7 Claims. (Cl. 280—1.19)

5. In a rocking horse, front and rear pairs of ground wheels, front and rear axles for said pairs of wheels, one of said axles being a driving axle and having one wheel of the pair thereon fast thereto, a frame, means connecting said frame to said axles for lateral rocking movement including a ring on said frame through which said driving axle extends diametrically and is laterally slidable and rotatable therein, said ring being rockable by said frame about an axis transverse to said axle and in a plane oblique to the vertical to swing said axle for steering, a horse, means to mount said horse on said frame for lat-

eral rocking to rock said frame and including a pivot on which said horse is rockable forwardly and rearwardly, a drive between said horse and said driving axle operative by forward and rear-



ward rocking of said horse, and spring means in said ring opposing rocking of said ring and thereby counterbalancing said frame and horse against lateral rocking movement.

2,471,234
METHYLPENTADIENE-ARALKENYL COPOLYMERS
Rupert C. Morris, Berkeley, Alva V. Snider, Richmond, and Eugene T. Bishop, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 15, 1944, Serial No. 540,548
9 Claims. (Cl. 260—83.7)

1. A process of producing an elastomer having improved milling properties comprising co-polymerizing from about 0.1% to about 5% of alpha-methylstyrene with from about 99.9% to about 95% of a mixture of 2-methyl-1,3-pentadiene and 4-methyl-1,3-pentadiene at a temperature of below 75° C. in the presence of a Friedel-Crafts catalyst.

2,471,235
ANIMAL SKINNING DEVICE
George A. Nick, Sacramento, Calif.
Application July 11, 1944, Serial No. 544,398
2 Claims. (Cl. 30—276)



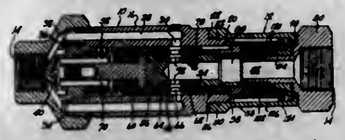
1. A carcass skinning tool comprising an elongate body forming a handle, a cutting disc mounted on the body adjacent its forward end outwardly of and adjacent one longitudinal face thereof in substantially parallel relation thereto, a drive shaft extending lengthwise of the body and projecting from the rear end thereof, another shaft operatively connected to the disc and extending along the body to and overlapping the drive shaft in parallel spaced relation, a spur gear on the overlapping portion of said other shaft, a second spur gear meshing with the first gear but partially offset therefrom whereby portions of the gears are clear of each other, and a third gear slidably but non-turnably mounted on the drive shaft in position to mesh with both first named gears and adapted to shift along the drive shaft from a position meshing with the clear portion only of the first gear to a position meshing with the clear portion only of the second gear.

2,471,236
CLEANING DEVICE FOR FUSES AND FUSE HOLDERS
Allen J. Parker, West Palm Beach, Fla.
Application December 7, 1945, Serial No. 633,574
3 Claims. (Cl. 51—205)



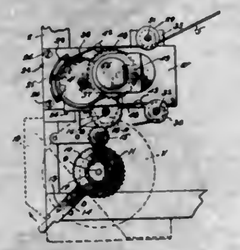
1. A device for removing cartridge type fuses from their fuse block terminals and for cleaning said terminals, consisting of a rigid member of general T-shape comprising a shank and a transverse head which lie substantially at right angles to each other the opposite ends of the head being of cylindrical form and projecting substantially equidistantly beyond the shank and being roughened to constitute abrasive elements dimensioned to abrasively engage within the terminals of a fuse block, the terminal end of the shank being curved forwardly to form a hook-like member extending across the free end of said shank, said hook-like member constituting a finger grasp by which the cylindrical roughened ends of the head may be rocked back and forth within the terminals to clean the same, said hook-like member being dimensioned to engage about the body of a cartridge fuse to pull the same out of its fuse block terminals when the device is inverted and the head is grasped as a handle and pulled outwardly and away from said fuse block.

2,471,237
SEPARABLE FLUID COUPLING
Harry S. Pasturczak, East Moline, Ill., assignor of one-half to William J. Bleasdale, South Bend, Ind.
Application July 8, 1948, Serial No. 37,631
18 Claims. (Cl. 284—19)



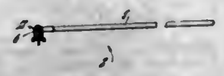
1. A separable fluid coupling comprising a pair of parts interfitting telescopically, one of said parts comprising a housing having a socket formed therein and a fluid passage terminating in a transverse port open at said socket intermediate the ends thereof, a spool valve slidable in said housing socket and having a longitudinal socket and a transverse port adapted to register with said housing socket in one position, the other part comprising a body having an end portion adapted to fit in said spool valve socket, said body having a fluid passage terminating in a lateral port adapted to register with said spool valve port when said end portion fits operatively in said spool valve socket, and a sleeve slidable on said end portion between a port-sealing position and a coupling position clear of said port.

2,471,238
RIBBON FEEDING AND INKING MECHANISM FOR TYPING MACHINES
George Ernest Pelton, Middleburg, Va., assignor to Ida S. Pelton, Round Hill, Va.
Application November 12, 1946, Serial No. 709,377
29 Claims. (Cl. 197—171)



14. In a typing mechanism for printing impressions upon a surface which employs an ink carrying ribbon that is moved between spools during the operation thereof, the combination comprising shaft means driven during the operation of said mechanism, an ink reservoir, rotary means in contact with said ribbon for transferring ink from said reservoir to said ribbon, means for driving said rotary means by said shaft means, means for rotatably supporting a ribbon spool, driving means for rotating said ribbon spool by said shaft means, and means for selectively disengaging said driving means between said shaft means and said ribbon spool.

2,471,239
RAKE CLEANER
Norman H. Richards, West Springfield, Mass.
Application April 1, 1947, Serial No. 738,572
1 Claim. (Cl. 56—400.08)



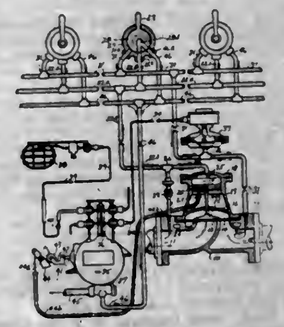
The combination of a rake head having a longitudinal bar and spaced teeth depending therefrom with a cleaning device comprising in combination, a plurality of U-shaped hangers having upper transverse portions for resting on the longitudinal bar of the rakehead and side arms depending downwardly from opposite ends of the transverse portions in spaced relation and spaced outwardly from opposite forward and rearward sides of the teeth of the rakehead, separate and parallel longitudinal cleaning bars spaced outwardly from opposite forward and rearward sides of the teeth of the rakehead and secured to the lower free ends of the sidearms of said hangers spacing the said hangers relative to the longitudinal bar of the rakehead, and transverse retainer members extending transversely between the teeth and having opposite ends fixed to said cleaning bars, said hangers and cleaning bars being movable up and down relative to the rakehead with the transverse portions of said hangers limiting downward movements of said hangers and cleaning bars and said retainer members limiting upward and longitudinal movements of said hangers and cleaning bars.

2,471,240
HEAT ACTUATED DEVICE
Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio, a corporation of Delaware
Application February 3, 1945, Serial No. 576,063
3 Claims. (Cl. 297—15)



1. A heat actuated device comprising a two part walled structure defining an air tight enclosure, one wall of said enclosure being flexible, tubular means in communication with the other of said walls, the flexible wall portion of the said structure consisting partially of a disc-like centrally positioned bimetallic member capable of altering its shape upon attainment of a given temperature, an outer annular portion of the said flexible wall surrounding the centrally positioned disc-like bimetallic member being of a single thin metal to provide increased flexibility.

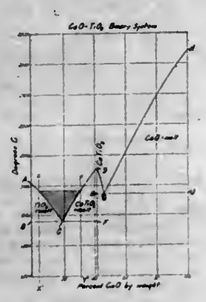
2,471,241
FLUID VALVE AND REMOTE-CONTROL SYSTEM
Harry N. Rider, Youngstown, Ohio, assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio, a corporation of Delaware
Substituted for application Serial No. 569,031, December 20, 1944. This application January 14, 1948, Serial No. 2,166
4 Claims. (Cl. 169—5)



1. A fluid valve and remote control system therefor, said fluid valve including a diaphragm and pressure responsive means for operating the said diaphragm to close a fluid passageway through the said valve, means in communication with the said fluid valve and pressure responsive diaphragm operating means for normally maintaining fluid pressure in the said pressure responsive diaphragm operating means, manual and heat actuated relief valves in communication with said pressure responsive diaphragm operating means for relieving fluid pressure therefrom so as to permit the said fluid valve to open, heat actuated devices in communication with said heat actuated relief valve, said manual valve including a normally open channel establishing communication between the said diaphragm operating means and the said heat actuated relief

valve, resetting mechanism on said heat actuated relief valve, and motion transmitting means connecting the said pressure responsive diaphragm operating means and the said resetting mechanism of the said heat actuated relief valve so that movement of the said pressure responsive diaphragm operating means may be used to reset the said heat actuated relief valve after operation.

2,471,242
PROCESS OF TREATING TITANIFEROUS IRON ORES
Percy H. Royster, Bethesda, Md., assignor to Pickands Mather & Co., Cleveland, Ohio, a co-partnership
Application January 27, 1944, Serial No. 519,922
10 Claims. (Cl. 75—30)



1. In the process of smelting titaniferous iron ore with carbon and added flux consisting essentially of a basic oxide of the group consisting of calcium oxide and magnesium oxide, the improvements which consist in so proportioning the charge as to produce a slag consisting essentially of titanium oxide, basic oxides and incidental impurities, in which charge the molar ratio of TiO_2 to basic oxides is maintained within the limits 12 to 1 and 3 to 2, and smelting said charge in a furnace at a temperature between 1550° C. and 1700° C. to produce molten iron and a fluid, titanium-rich, slag.

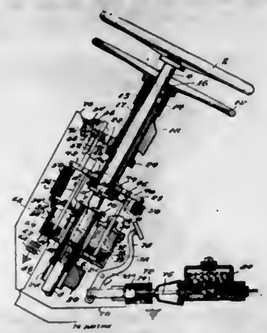
2,471,243
ALDEHYDE - POLYCYANOACETAMIDO-COMPOUND CONDENSATION PRODUCTS AND THE PROCESS OF MAKING SAME
John B. Rust, West Orange, N. J., assignor, by direct and mesne assignments, of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company, both corporations of New Jersey
No Drawing. Application March 25, 1944, Serial No. 528,163
6 Claims. (Cl. 260—72)

1. A resinous condensation product of an aldehyde and a polycyanoacetamide compound of the formula

$$\begin{matrix} HN & [R & N]_n & H \\ & | & & \\ & COCH_2CN & COCH_2CN & \end{matrix}$$

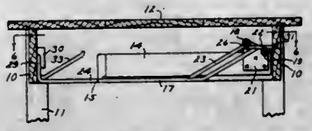
where R is a divalent hydrocarbon radical selected from the group consisting of alkylene and arylene radicals having from two to six carbon atoms and n is a number from 1 to 5.

2,471,244
BRAKING SYSTEM FOR MOTORCARS
John Lee Self, Forest Hill, La.
Application November 21, 1946, Serial No. 711,331
4 Claims. (Cl. 188—163)



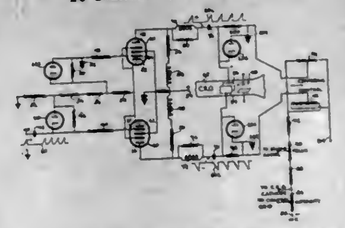
3. The combination with an automobile having a braking system and a steering wheel having a steering shaft, of a variable resistance mounted with fixed relation to the steering shaft and an electrical circuit for the resistance normally open, a solenoid in the circuit and a core for the solenoid having operable connection with the braking system, a casing in encircling engagement with the shaft and cylinders mounted on opposite sides of said casing, pistons and rods for the cylinders, cross arms receiving the free ends of the piston rods one arm having a notched bar operably connected with said resistance to vary the same, and circuit closing means on one cylinder operable under sliding movement of the shaft in the casing responsive to an upward thrust against the steering wheel to close the circuit and vary the resistance.

2,471,245
TABLE
Abraham J. Shoenberg, Clinton, Mass., assignor to Empire Furniture Manufacturing Company, Clinton, Mass., a corporation of Massachusetts
Application March 16, 1946, Serial No. 654,921
7 Claims. (Cl. 45—77)



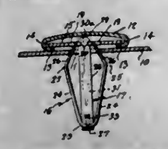
1. A table comprising a frame, a drawer located within the frame, a track at each side of the drawer, and a pair of wheels on each side of the drawer near the rear thereof, one of the wheels in each pair being located somewhat above and in front of the other wheel, the front wheels engaging the upper surfaces of the tracks, and the rear wheels engaging the lower surfaces of the tracks, each track having a substantially horizontal rear portion, a downwardly and forwardly inclined intermediate portion, and a substantially horizontal front portion arranged to support the drawer as it moves forwardly beneath the front portion of the frame toward its open position, the inclined portions of the tracks having a depth greater than that of the horizontal portions and such as to support the drawer substantially level during its downward and forward movement.

2,471,246
ELECTRONIC APPARATUS
Lester C. Smith, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 25, 1944, Serial No. 537,276
10 Claims. (Cl. 315—26)



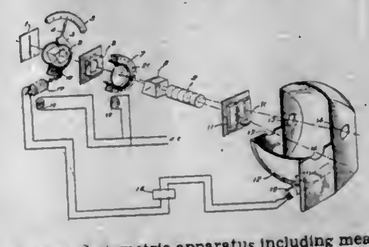
1. A cathode ray oscilloscope including an amplifier tube having a cathode, a control electrode and an anode, means for applying a predetermined static bias potential between the control electrode and the cathode of said tube, condenser means for applying voltage variations extending in a predetermined potential direction and of varying wave form to the control electrode of said tube, a unilateral conducting device associated with the control electrode of said tube to confine the operation of the tube to a predetermined portion of its operating characteristic so that amplified voltage variations are present at the anode of said tube, a cathode ray tube including a pair of cathode ray beam deflecting electrodes, means for applying a predetermined static bias potential to one of the deflecting electrodes relative to a point of fixed potential, condenser means for applying the amplified voltage variations to the said one deflecting electrode, and means including a unilateral conducting device for preventing a shift in the area traversed by the deflected cathode ray beam by reason of changes in the wave form of the applied voltage variations.

2,471,247
CLIP FOR ATTACHING MOLDING TO AUTOMOBILE BODIES AND FENDERS
John Stadler, Long Hill, Conn.
Application August 25, 1948, Serial No. 46,106
6 Claims. (Cl. 24—213)



1. A clip for attaching moldings including longitudinal flanges to automobiles, comprising a plate adapted to seat at opposite edges on said flanges and provided with an opening including two sets of recesses at opposite sides of the openings at substantially right angles to each other, a spring including connected side members each provided with notches in its side edges adjacent its free end to seat in a pair of said recesses, a second spring including inclined connected side arms inclined outwardly away from said connection and then bent inwardly to provide inwardly inclined end portions to extend into the other set of notches and by said inclined end portion to provide a camming action in an opening in a body to draw the plate toward the body and clamp the molding.

2,471,248
PHOTOMETRIC APPARATUS AND SPECTROPHOTOMETER USING POLARIZED LIGHT AND AN OPTICALLY ACTIVE PLATE
Edwin I. Stearns, Jr., North Plainfield, and George L. Buc, Orange, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application March 17, 1948, Serial No. 15,464
In Canada October 20, 1944
20 Claims. (Cl. 88—14)

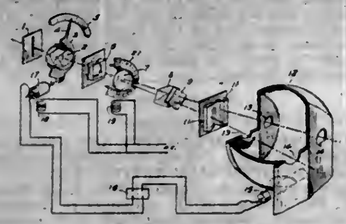


1. In a photometric apparatus including means for illuminating a sample with a spectrally narrow band of light and photometering means, an element of the apparatus polarizing light to a material extent sufficient to give different responses from a polarizing sample at various orientations, the improvement which comprises a plate of transparent optically active material intermediate the sample and the polarizing element cut with faces at right angles to its optic axis and of such thickness that the light path therethrough parallel to the optic axis of the material is sufficiently long so that the difference in the rotation of the planes of polarization of plane polarized light at the ends of each 10 millimicron band width throughout the visible spectrum is at least 90° whereby the reflectance of a polarizing sample is substantially invariant with the azimuth of the sample.

2,471,249
PHOTOMETRIC APPARATUS AND SPECTROPHOTOMETER USING POLARIZED LIGHT AND A MULTIPLE RETARDATION PLATE
Edwin I. Stearns, Jr., North Plainfield, and George L. Buc, Orange, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application December 27, 1944, Serial No. 569,946
20 Claims. (Cl. 88—14)

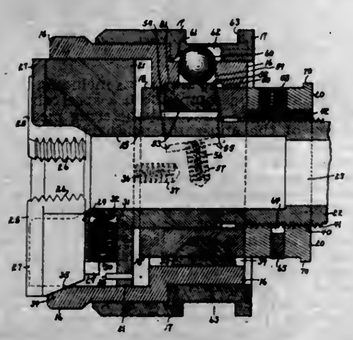
1. In a photometric apparatus including means for illuminating a sample with a spectrally narrow band of light and photometering means, an element of the apparatus polarizing light to a material extent sufficient to give different responses from a polarizing sample at various orientations, the improvement which comprises a multiple retardation plate intermediate the

sample and the polarizing element of birefringent material with faces cut parallel to the optical axis, of such thickness that the light path through the retardation plate is sufficiently long so that at



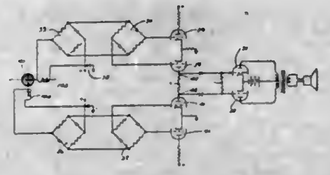
least five complete retardation cycles are effected for the wave lengths of each 10 millimicron band throughout the visible spectrum whereby the response from polarizing samples is substantially invariant with the azimuth of the sample.

2,471,250
SELF-OPENING DIE HEAD
Royce M. Strickland, New Haven, Conn., assignor to The Geometric Tool Company, New Haven, Conn., a corporation of Connecticut
Application May 11, 1945, Serial No. 593,209
4 Claims. (Cl. 10—95)



1. A self-opening die-head, including in combination: a body-unit having a front and provided with a latch-guiding recess having parallel front and rear walls both of which extend inwardly from a lateral outer surface of the body-unit toward the longitudinal axis thereof but at an angle which progresses away from the said front as it progresses inwardly toward the said axis; a plurality of thread-cutting chasers carried by and movable with respect to the front of the said body-unit toward and away from the longitudinal axis thereof; a chaser-operating member operatively-associated with the said chasers and provided with a rearwardly-facing latching abutment, the said member being movable in a direction longitudinally of the said body-unit into and out of position to hold the said chasers in their advanced or thread-cutting position; spring-means yieldingly urging the said chaser-operating member rearwardly into a position wherein the said chasers are retired into inoperative position; and a latch-member having parallel front and rear walls respectively engaging with the inclined front and rear walls of the latch-guiding recess in the said body-unit, the said latch-member being provided with a forwardly-facing latching-abutment releasably engageable with the rearwardly-facing latching-abutment of the said chaser-operating member and disengageable therefrom by an inward and rearward movement of the latch-member in the latch-guiding recess of the body-unit, the latching-abutment of the latch-member extending in a plane more nearly perpendicular with respect to the longitudinal axis of the said body-unit than the front and rear walls of the latch-guiding recess therein.

2,471,251
MAGNETIC TRANSDUCER ADAPTED TO COMPENSATE FOR TWISTING OF THE RECORD WIRE
Howard E. Tompkins, Media, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 6, 1945, Serial No. 614,739
18 Claims. (Cl. 179—100.2)

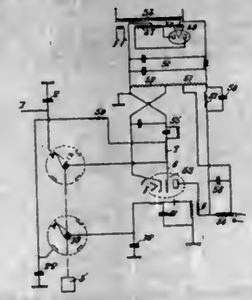


7. In a system for reproducing sound from a magnetized wire which is subject to arbitrary twists, two pick-up coils at right angles to each other at substantially the same location longitudinally on the wire and arranged to be responsive to component magnetic flux from said wire, means including circuit connections to said pick-up coils for producing from said flux two signals, one of the signals being shifted in phase substantially 90° with respect to the other, and means including circuit connections to said last circuit connection means for vectorially adding the resultant signals to produce a signal which is varied in accordance with the magnetization of said wire and independent of the orientation angle of the magnetism of the wire.

2,471,252
SINGLE-STAGE HIGH-GAIN AMPLIFIER
Pierre Marie Gabriel Toulon, Neuilly-sur-Seine, France
Application April 30, 1947, Serial No. 744,826
In France August 16, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 16, 1964
8 Claims. (Cl. 179—171)

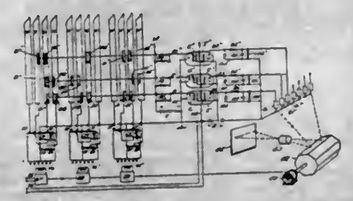
1. A device for amplifying a small difference of direct potential which comprises, in combination, a low frequency amplifier adapted to pass only a narrow frequency band, at least two condensers each adapted to supply, by discharge thereof, a voltage impulse having its fundamental oscillation inside said frequency band, one of said condensers being mounted to be charged by said difference of direct potential, means for periodically discharging said condenser to produce successive voltage impulses, means for applying said

impulses to the input of said amplifier, a rectifier having its input connected to the output of said amplifier, means for periodically charging the other condenser from the output of said rectifier, means for periodically discharging said



second mentioned condenser to produce successive voltage impulses during the intervals between discharges of the first mentioned condenser, and means for applying said second mentioned impulses to the input of said amplifier.

2,471,253
SIGNAL DISTRIBUTING SYSTEM
Pierre Marie Gabriel Toulon, Puteaux, France
Application June 11, 1936, Serial No. 213,289
In France June 15, 1937
Section 3, Public Law 690, August 8, 1946
Patent expires June 15, 1957
8 Claims. (Cl. 178—7.3)



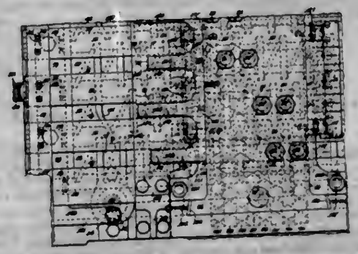
5. A signal distributing system, comprising, a channel for receiving a plurality of successive signals, a plurality of branch channels connected to said channel each for receiving said plurality of successive signals, means normally blocking each of said branch channels, means for periodically unblocking said branch channels in sequence, each for a short time interval, to pass successive ones of said signals via different ones of said branch channels, said means for blocking comprising a thermionic tube in each of said branch channels, said thermionic tubes having control electrodes normally biassed negatively to cut-off potential, said means for periodically unblocking comprising means for generating electrical control impulses and means for applying said electrical control impulses to said control electrodes in such sense as to drive said control electrodes to a potential adapted to enable current flow in said thermionic tubes, and a plurality of electro-optical elements one connected in each of said channels for actuation by said signals, said means for generating electrical control impulses comprising a plurality of interlocked oscillators for generating each a sinusoidal signal at a different frequency harmonically related to a predetermined frequency, means for deriving from each of said sinusoidal signals a plurality of quadrature phase displaced signals, means for deriving from said quadrature phase displaced signals intermediately phase displaced signals by selectively attenuating and combining a plurality of said quadrature phase displaced signals, and means for superposing said intermediately phase displaced signals of different frequency.

2,471,254
MOLDING CLIP
David H. Waara, Detroit, Mich., assignor to Robert L. Brown, Ferndale, Mich.
Application July 17, 1946, Serial No. 684,223
5 Claims. (Cl. 85—5)



1. A sheet metal fastening device comprising a fastener and a locking member, said fastener comprising a concave body portion the ends of which are adapted to engage the inwardly turned flanges of a hollow molding, an arm struck from said body portion for engagement with the underside of the molding, a second arm struck from said body portion in a direction opposite to said first named arm with an upturned resilient locking finger at its outer end, said second arm being adapted to be inserted through an aperture of a supporting member, said locking member comprising a base portion having means struck from the body thereof of cooperating with said locking finger of said fastener and the aperture of the supporting member to lock said fastener in position and close the aperture of the supporting member, said locking member being pressed over said second arm of said fastener between resilient locking finger and the supporting member.

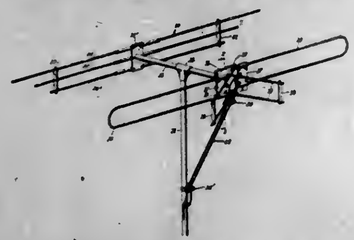
2,471,255
MACHINE FOR APPLYING SPOTS TO BOTTLE CAPS
Andrew Weisenburg, Overbrook Hills, Pa., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application February 3, 1942, Serial No. 429,369
46 Claims. (Cl. 154—1.5)



1. In a machine for affixing protective spot material to caps, a plurality of tracks side by side,

means for progressing rows of caps uniformly spaced along the tracks with stop and go motion and with the caps or one row in echelon with respect to those of another row in which the centers of the caps of one row are equally distant from the centers of the most closely adjacent caps of the next row, means for progressing a strip of protective spot material transversely over the rows with stop and go motion having corresponding stop periods, and means located at stop points for simultaneously cutting out and affixing protective spots to at least one cap in each of at least three rows.

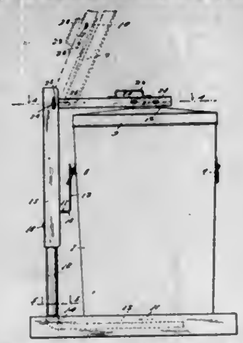
2,471,256
RADIO ANTENNA
Vern M. Wintermute, North Plainfield, N. J., assignor to Lyte Paris Company, Plainfield, N. J., a corporation of New Jersey
Application May 22, 1948, Serial No. 28,712
1 Claim. (Cl. 250—33)



In an antenna for the reception of television signals or the like, in combination, a pair of antenna elements; each element consisting of a linear conductor folded back on itself to provide a pair of parallel legs having a closed end and an open end and angularly formed so that the closed end with a substantial portion of the linear conductor lies in one plane while the open end and a substantial portion of the remainder of the conductor lies in an intersecting plane, the closed ends of the antenna elements being directed oppositely outwardly in an identical plane and the open ends of the conductors being interleaved and crossing each other on one side of said identical plane; metallic brackets carrying the parallel legs of each conductor element adjacent the location of angular formation and providing electrical connection therebetween, an insulating panel member supporting said conductor carrying brackets whereby the antenna elements may be maintained in said interleaved, planar relationship, and a transmission wiring connection on each conductor carrying bracket.

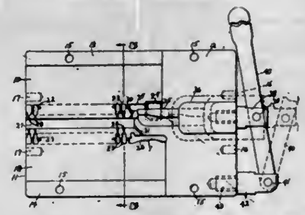
2,471,257
GARBAGE CAN AND COVER KEEPER
Ronald G. Blank, Robbinsdale, Minn.
Application May 21, 1947, Serial No. 749,415
5 Claims. (Cl. 248—146)

1. In a device of the class described, an upright channeled body member applicable to a fixed support, a horizontally disposed keeper arm, one end portion of which extends between the flanges of the body member, said body member having upright slots in its flanges, said keeper arm having longitudinal slots in its flanges intersecting the slots in the body member, a pivot pin extending through said intersecting slots, and means on the keeper arm for detachably securing the cover of a garbage can to the keeper arm, said keeper arm being free for endwise sliding engagement with



the back of the body member to hold the same in a raised inclined position.

2,471,258
MOLD FOR SLIDING CLASP FASTENERS
John Bolten, Jr., Andover, Mass., assignor to The Bolta Company, Lawrence, Mass., a corporation of Massachusetts
Application July 25, 1946, Serial No. 686,232
5 Claims. (Cl. 18—42)

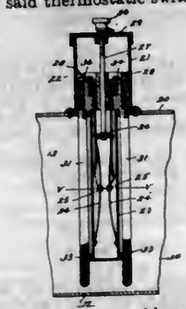


1. Moulding apparatus for simultaneously moulding upon the respective stringers of a sliding clasp fastener complementary interengaging elements comprising a mould having cooperating mould sections provided with complementary parallel longitudinal grooves to receive the respective stringers, complementary cavities for the interlocking elements enclosing the edge portions of the respective stringers, a runner extending longitudinally of and intermediate of said cavities having gates communicating with the respective cavities, complementary cavities respectively for a pin and for a bottom stop retainer enclosing the edge portions of the respective stringers and communicating with said runner, a removable core member extending longitudinally across the retainer cavity, and means for introducing mouldable material into said runner whereby said mouldable material will be caused to fill all of said cavities.

2,471,259
ELECTRICALLY ACTUATED HEATER
Harold P. Chapman, Columbus, Ohio, assignor of one-half to Elf F. Mangold, London, Ohio
Application June 7, 1944, Serial No. 539,044
6 Claims. (Cl. 219—44)

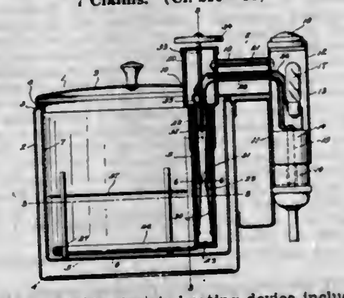
1. An electrically actuated heater comprising a pan, an adjustable thermostatic switch mecha-

nism carried by said pan, said mechanism including a depending heat-sensitive tube arranged vertically within and adjacent to one side of said pan for immersion in liquid contained therein, a heating element embodying an electrically energized horizontally disposed heating coil arranged in said pan immediately adjacent to and parallel with the bottom thereof, said coil terminating in upstanding parallel leg portions joined with said thermostatic switch mechanism,



a foraminated tray removably mounted in said pan, said tray having a horizontal portion arranged over said coil and an upstanding vertical portion arranged in spaced relation to said heat-sensitive tube and the upstanding leg portions of said heating element, and a removable cover for the top of said pan, said heat-sensitive tube containing a switch therein and functioning as an element of a bimetallic thermostat actuating said switch.

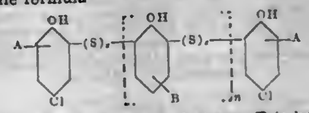
2,471,260
ELECTRICAL FLUID HEATER
Harold P. Chapman, Columbus, Ohio, assignor of one-half to Elf F. Margold, London, Ohio
Application January 30, 1947, Serial No. 725,316
7 Claims. (Cl. 219—44)



5. A portable electric heating device including a receptacle, a heating element located in the receptacle adapted to be energized by an electric current, a thermostatic switch mechanism in said receptacle and mounted adjacent to and in heat conducting relationship with said heating element, said switch mechanism comprising a tubular metallic casing containing a pair of bowed metallic strips therein having a different coefficient of expansion than the metal of the tubular casing, said casing defining one element of a bimetallic thermostat, said strips being provided with contact means to make and break the electrical circuit providing current for energizing the heating element, and means for placing into and removing from the receptacle the heating element and the switch mechanism as a unit, said means having a hollow handle portion which houses an incandescent lamp and electrical connections and facilitates portability of the device.

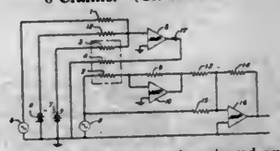
2,471,261
MILDEW-PROOFING
Elmer W. Cook, New York, N. Y., and Philip H. Moss, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 9, 1946, Serial No. 668,458
4 Claims. (Cl. 117—138.5)

1. A permeable organic material normally subject to attack by fungi, said material being mildew-proofed by a content of about 0.01% to about 5% of a heavy metal salt of a halogenated polyphenol sulfide containing from 3 to 10 phenol radicals, said halogenated polyphenol sulfide having the formula



in which A is hydrogen or halogen, B is halogen or alkyl, x is a whole number not greater than 2, and n is a whole number not greater than 8.

2,471,262
MEANS FOR MULTIPLYING VOLTAGES
Van M. Cousins, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 24, 1946, Serial No. 705,427
8 Claims. (Cl. 250—27)



1. An amplifier having an input and an output circuit, a device having a controlling element connected across said output circuit and at least one controlled element, two sources of voltages of opposite polarity, an impedance connected in serial relationship with said controlled element to the free poles of said sources, and a connection from the junction of said impedance and said controlled element to the input circuit of said amplifier, whereby the characteristics of said controlled element are varied proportionally with the voltages from said sources.

2,471,263
IONIC DISCHARGE DEVICE
Charles Depew, Oakland, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 24, 1946, Serial No. 672,010
12 Claims. (Cl. 250—27.5)

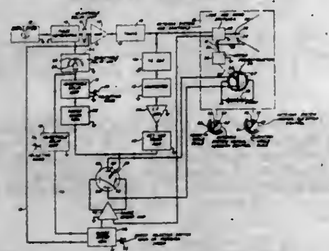
5. An ultra-high frequency spark gap device for high power output operation, comprising coaxially mounted cathode and anode electrodes, a cylindrical vitreous vessel enclosing said electrodes, metallic terminal cap members sealed to

opposite ends of said vessel and supporting said electrodes therein, one of said members having a larger diameter than the other, coaxial sleeve portions extending from opposite sides of said



larger diameter member, said cathode being attached to the inner sleeve portion on said member, and a recessed cap fitted in the outer sleeve portion.

2,471,264
RADIO OBJECT LOCATION SYSTEM
William H. Doherty, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 1, 1945, Serial No. 570,939
4 Claims. (Cl. 343—11)



2. In a direction and range determining system of the type in which a pulsed beam of exploratory energy is radiated by a highly directive emitting device and reflections thereof are received and timed to determine the range or distance of objects from which reflected pulses are received, the combination which comprises a first means for repeatedly sweeping an arc in a first plane with said emitting device, a second means for abruptly altering the directivity of said emitting device between two positions approximately the width of the beam apart in a second plane substantially at right angles to said first plane, the periodicity of said second means being that of said first means, and a third means for simultaneously presenting, in juxtaposition on a common indicator, two independent patterns of indications on separate portions of the screen of said indicator showing angular direction in said first plane versus relative range for each reflecting object, range being indicated for each indication by the distance of the indications from the proximate borders of said respective separate portions, direction in said first plane being indicated for each indication by the transverse position of the indication, one pattern relating to one beam position in said second plane the other relating to the other beam position in said second plane, direction in said second plane being indicated by the relative intensities of corresponding indications of said two patterns, said third means comprising a cathode ray oscilloscope cooperatively connected with a range sweep generator, a reversible range sweep amplifier, sources of voltage controlled by said first and said second means to control the sweeping action of the ray of said oscilloscope and a radio receiver responsive to echos of said emitted pulsed beam to intensity modulate the ray of said oscilloscope whenever an echo is received, whereby directivity in each of said two planes and the relative ranges of all the objects from which reflections are received can be simultaneously represented.

2,471,265
PARASITICIDAL COMPOSITIONS COMPRISING ALKYL-HALO-NAPHTHALENES
Robert R. Dreisbach and Fred W. Fletcher, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application January 29, 1942, Serial No. 428,756
1 Claim. (Cl. 167—24)

An insecticidal composition comprising an alkyl-halo-naphthalene and pyrethrin as active toxicants.

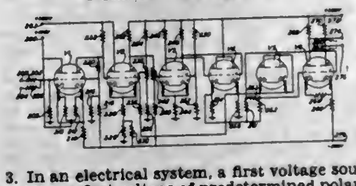
2,471,266
VINYL POLYMERS PLASTICIZED WITH AIR-BLOWN EXTRACTS OF MINERAL OIL FRACTIONS
Eric William Musther Fawcett, Eric Sylvester Narracott, and Kathleen Joan Rowland, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation
No Drawing. Application December 22, 1944, Serial No. 569,418. In Great Britain December 22, 1943
6 Claims. (Cl. 260—29.1)

1. The composition of matter of improved low temperature flexibility and electrical properties comprising an intimate admixture of a polymeric substance selected from the group consisting of polyvinyl chloride, vinyl chloride-vinyl acetate co-polymer, vinyl chloride-methyl acrylate co-polymer and vinyl chloride-vinylidene chloride co-polymer and with an air-blown hydrocarbon material prepared by the air-blowing for a prolonged period of from about 5 hours up to 50 hours at a moderately elevated temperature within the range 150–300 °C. of extract hydrocarbons derived from a mineral oil fraction by solvent extraction with a selective polar solvent, the extracted hydrocarbons containing up to two unsaturated linkages per molecule and having a carbon content of on average at least .6 atom of carbon per atom of hydrogen, the molecular weight of the hydrocarbons being in the range of from about 200 to about 800, and the initial and final boiling points being in the range of from about 250° C. to about 800° C. at 760 mm. Hg pressure.

2,471,267
VINYL POLYMERS PLASTICIZED WITH SULFUR TREATED EXTRACTS OF MINERAL OIL FRACTIONS
Eric William Musther Fawcett, Eric Sylvester Narracott, and Albert Millien, Sunbury-on-Thames, England, assignors to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation
No Drawing. Application December 30, 1944, Serial No. 570,790. In Great Britain January 6, 1944
6 Claims. (Cl. 260—30.8)

1. The composition of matter of improved electrical properties comprising an intimate admixture of a polymeric substance selected from the group consisting of polyvinyl chloride, vinyl chloride-vinyl acetate co-polymer, vinyl chloride-vinylidene chloride co-polymer and vinyl chloride-methyl acrylate co-polymer with a sulphur treated hydrocarbon material prepared by the treatment with sulphur at a moderately elevated temperature within the range 150–300° C. for an extended period of from about 5 hours up to 60 hours of extract hydrocarbons derived from a mineral oil fraction by solvent extraction with a selective polar solvent, the proportion of sulphur being in the range of from about 5% to about 15% of the weight of said extract hydrocarbons, the extract hydrocarbons containing up to two unsaturated linkages per molecule and having a carbon content of on average at least .6 atoms of carbon per atom of hydrogen, the molecular weight of the hydrocarbons being in the range 200–800, and the initial and final boiling points being in the range of 250–800° C. at 760 mm. Hg pressure.

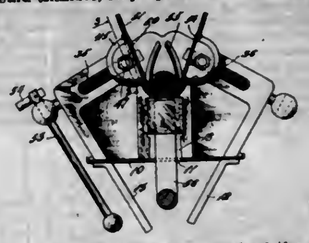
2,471,268
INDEX PULSE GENERATING CIRCUIT
Wilbur L. Gaines, Great Neck, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 22, 1945, Serial No. 595,210
4 Claims. (Cl. 250—27)



3. In an electrical system, a first voltage source providing a first voltage of predetermined polarity which varies between particular limiting values, a second voltage source providing a second voltage of the opposite polarity to said first voltage, the value of which is adjustable to any discrete value within the said limiting values and means including a summing amplifier cooperatively associated with and responsive to said first and said second voltage sources to provide an electrical impulse of a predetermined and invariable polarity at instants during which said first voltage passes in either direction through the value to which said second voltage is adjusted said last-stated means also including in tandem relation with said summing amplifier a phase inverter vacuum tube circuit, a cathode follower circuit, a rectifying circuit and a pulse generating circuit.

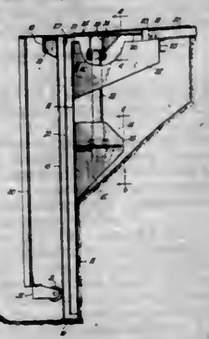
2,471,269
RIGGER'S VISE FOR SPLICING WIRE AND LIKE MATERIAL
Erich Gaulke, New Bedford, Mass.
Application September 7, 1944, Serial No. 553,033
3 Claims. (Cl. 81—17.5)

1. In a rigger's vise, a body portion having an elongate and open-end slot extending inwardly from one side thereof, a pair of jaws on said body portion adjacent a side opposite to said slotted side, means on the body portion to guide said jaws each at an acute angle to the center line of said slot and at an obtuse angle to each other, a removable block insertable in said slot to serve as an anvil for a thimble and a cable to be spliced therearound, and cooperating means between the edges of said slot and said block to hold said block in position in said slot, said slot and removable block permitting a ring member to be interlinked with said thimble, in preparation for the splicing



operation, and permitting removal of the interlinked assembly, after completion of the splicing operation.

2,471,270
GAS RESERVOIR
Philip S. Graver, Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind., a corporation of Delaware
Application December 2, 1944, Serial No. 566,349
3 Claims. (Cl. 48—176)

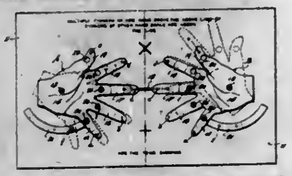


1. In a gas reservoir, a tank comprising upright circular walls spaced apart to provide a launder, a movable roof for said tank having a dip ring depending within the launder for sealing the roof with respect to the tank while permitting vertical movement of the roof to vary the vapor space within, a rain shed skirt depending from the periphery of the roof and encircling the launder, and means guiding the roof during said vertical movement thereof including diagonally extending guide rails fixed to the exterior wall of the launder in spaced relation and at the same angle with respect to a horizontal plane as determined in one direction around the launder, and rollers carried by the lower end of the rain shed skirt and having contact with said guide rails respectively.

2,471,271
EDUCATIONAL DEVICE
Martin Green, Newark, N. J.
Application November 6, 1945, Serial No. 627,011
2 Claims. (Cl. 35—31)

1. An educational device of the kind and for the purposes described comprising a base member

having a base reference line inscribed upon its face, a pair of rotatable hand-like members mounted on said base member in spaced apart opposed relation, said hand-like members having pivotal connections with said base member coincident with said base reference line, each hand-like member having spread apart digit-like extensions radial to the pivotal point thereof, corresponding digit-like extensions of said hand-like members having like numerals inscribed thereon to provide factors of multiplication problems to



be solved, each extension having a through opening formed therein, said base member having inscribed thereon a series of spaced number tens extending from and below the base reference line and aligning with said openings, whereby to be exposed therethrough, and each hand-like member having a cover strip extending therefrom and movable therewith, whereby to conceal all said tens on the base member not in register with openings in the extensions of said hand-like members.

2,471,272

WATER-SOLUBLE CELLULOSE ETHER PLASTICIZED WITH A CYCLOMETHYLENE SULFONE

George W. Hooker, Sarnia, Ontario, Canada, and Norman R. Peterson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application July 28, 1945, Serial No. 607,664

10 Claims. (Cl. 106—176)

1. A composition of matter consisting of a water-soluble cellulose ether, and from 10 per cent to about 67 per cent of a compound selected from the group consisting of 3,4-dehydro-cyclotetramethylene sulfone, the 3-methyl derivative thereof, cyclotetramethylene sulfone, and the 3-methyl-, 3-alkoxy-, and 3-methyl,4-alkoxy derivatives of cyclotetramethylene sulfone, wherein the alkoxy groups contain from 1 to 8 carbon atoms, inclusive.

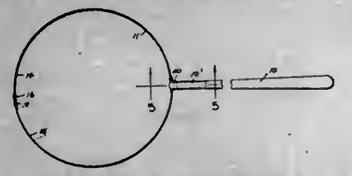
2,471,273

LANDING NET

Camilla M. Kincannon, Milwaukee, Wis.

Application April 23, 1947, Serial No. 743,432

1 Claim. (Cl. 43—12)



In a landing net, the combination of a handle, a net frame comprising a pair of resilient strips, one of said strips being longer than and having its ends extended beyond the other strip, said strips being pivotally connected together near the ends of said shorter strip thereby constituting joints and movable relative to each other to form a hoop with the extended ends of the longer strip disposed inside the ends of the shorter strip and the outermost of said joints so formed having the medial portion of the adjacent strips at that joint spaced apart, a locking collar cooperable with the parts of said outermost joint and movable over said medial portion to a location to hold the outermost joint of said frame in the plane of the innermost of said joints, and means connected with the handle for locking the innermost joint formed by the other extended end of the longer strip and the adjacent portion of the shorter strip in the opened up position of said members.

2,471,274

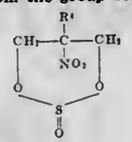
NITROALKYL SULFITES AND PROCESS FOR PREPARING THEM

Shirley P. Lingo, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

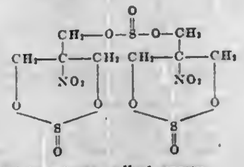
No Drawing. Application July 29, 1946, Serial No. 686,947

5 Claims. (Cl. 260—327)

3. As new compositions of matter, sulphite esters selected from the group consisting of:



and



wherein R^4 is a lower alkyl group.

2,471,275

FURNACE DOOR

Henry R. Loxterman, Chicago, Ill., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey

Application June 28, 1945, Serial No. 602,121

2 Claims. (Cl. 122—498)



1. A furnace door, comprising in combination, a pair of spaced hollow side flanges, spaced hollow top and bottom flanges extending between said side flanges, all of said flanges having inner faces, a plurality of spaced hollow panels disposed side-by-side and extending between said top and bottom flanges, the outer faces of said panels lying substantially in a common surface, the inner faces of said panels lying substantially in the surface of a vertical cylinder whose axis is adjacent the inner side of said door and is substantially equidistant from said side flanges, said inner faces of said panels being set back from said inner faces of said flanges and thereby defining with said flanges a concave space, a refractory brick lining of substantially uniform thickness disposed in said space, said lining having its outer surface coinciding substantially entirely with said surface of said vertical cylinder, whereby a refractory lining of uniform thickness may be quickly and readily made of standard brick and be subject to continuous visible overall observation.

2,471,276

MAGAZINE GUN WITH INTEGRAL BREECH BOLT AND HAND GRIP

Charles J. Manville, Pontiac, Mich., assignor to Lake Erie Chemical Company, Cleveland, Ohio, a corporation of Ohio

Application July 26, 1946, Serial No. 686,523

9 Claims. (Cl. 42—18)



1. In a gun of the type described the combination of a barrel, a breech bolt mechanism slidable within said barrel to effect insertion of a shell into said barrel and positioning of the shell for firing, the said breech bolt mechanism including a firing pin for engaging and firing a shell positioned in said barrel, a member fixed to said firing pin adjacent the rear end of the latter and slidable within said barrel, a sear carried by said member and adapted to project into an elongated aperture in said barrel, a rear hand grip for said gun connected with said bolt for actuation thereof which actuation also disposes said sear within said aperture adjacent one end thereof thereby cocking said firing pin, a trigger carried by said hand grip and adapted to be actuated only when said hand grip has been returned to its original position to effect disengagement of said sear from said aperture thereby releasing the said firing pin for movement into firing engagement with the shell in said barrel.

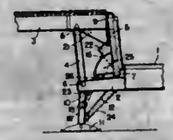
2,471,277

OPERATING MEANS FOR TRAILER GOOSENECKS

William E. Martin, Kewanee, Ill.

Application August 17, 1945, Serial No. 611,036

12 Claims. (Cl. 214—85)



1. Operating means for a trailer loading-ramp comprising, in combination, a trailer frame, frame-supporting means pivotally connected to the frame to be raised into transporting position and lowered into supporting position, a spring connected to the frame, a flexible means connected to the spring and to the frame-supporting means to withdraw the supporting means from supporting position, an elevatable ramp having forward and rearward links connected to the ramp and to the trailer frame serving to support the ramp in elevated position with relation to the trailer frame and carrying the ramp into loading position, and hydraulic means connecting the frame-supporting means and part of said rearward links, whereby to cause raising of said ramp and lowering of the frame-supporting means upon extension of said hydraulic means.

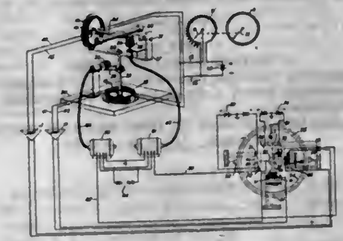
2,471,278

GUN SIGHT CONTROL

Larned A. Meacham, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 1, 1943, Serial No. 512,450

3 Claims. (Cl. 33—49)



1. Means for determining the required direction of gunfire from an airplane changing course in pursuit of a moving target of which the motion has a component transverse to said course comprising means for measuring the range of said target, means for sighting on said target, said sighting means being normally aligned parallel to said course, a gyroscope supported in gimbal mountings in said airplane and rotating initially about an axis of rotation parallel to the fore and aft axis of said airplane, a first source of voltage, a first motor means for deflecting said sighting means perpendicularly to the fore and aft of said axis of said airplane, a first contact means carried by said gyroscope and adapted to apply said first source of voltage to said first motor means when said fore and aft axis departs horizontally from parallelism with said axis of rotation, a second source of voltage, a second motor means for deflecting said sighting means perpendicularly to said fore and aft axis and to the deflection producible by said first motor means, a second contact means carried by said gyroscope and adapted to apply said second source of voltage to said second motor means when said fore and aft axis departs vertically from said parallelism, a third source of voltage, means controlled by said range measuring means for deriving from said third voltage a voltage inversely proportional to said range, potentiometric means connected to said sighting means for deriving from said inversely proportional voltage a first and a second fractional voltage, said fractional voltages becoming proportional respectively to the time rates of horizontal and of vertical change of said course when said sighting means is deflected oppositely to the sense of change of said course through an angle equal to said range multiplied by the time rate of change of said course, and means energized by said fractional voltages to effect precession of said axis of rotation to regain parallelism

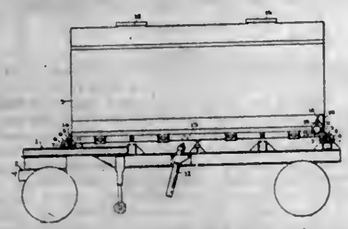
with said fore and aft axis, whereby said fore and aft axis lies in said required direction when said sighting means is aligned directly on said target.

2,471,279
COMB
Anton B. Mensing, New York, N. Y.
Application November 26, 1946, Serial No. 712,401
4 Claims. (Cl. 132—11)



1. A comb comprising an oval dish-shaped body provided with teeth in one edge.

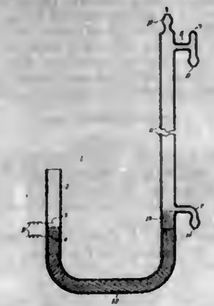
2,471,280
SHIPPING CONTAINER
Ragnar A. Norbom, New York, N. Y., assignor to National Fitch Corporation, a corporation of Delaware
Application February 12, 1946, Serial No. 647,060
14 Claims. (Cl. 214—83.28)



1. A container for transporting finely divided bulk material having a plurality of outlet openings in a lower portion at one end thereof, discharge means comprising; a discharge conduit adjacent to said outlet openings and having inlet openings aligned with and spaced from said outlet openings, the spacing between said outlet and inlet openings forming passageways between said container and said conduit adjacent to said openings through which a current of air may flow past said outlet openings and into said inlet openings.

2,471,281
SWITCHING DEVICE
Leonard Eugene Olson and Richard Wertzler, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application August 27, 1947, Serial No. 770,932
2 Claims. (Cl. 200—81.6)

1. A liquid-flow failure switch comprising a U-tube of electrically non-conducting material having a short leg and a long leg, a body of mercury in the tube, electric contact means in the tube actuated by the mercury, inlet means on the long leg for receiving liquid flowing in a conduit, means for the continuous removal of liquid from the long leg whereby a constant pressure of liquid is maintained on the mercury, a vent in the upper part of the long leg to insure drainage of the long leg, and a drain means which is continuously open on the long leg for removing liquid on failure of the flow in the conduit to change the position of the mercury.

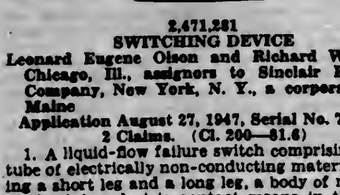


2,471,282
TREATMENT OF LIVERS
Levi Scott Paddock, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 16, 1945, Serial No. 599,958
3 Claims. (Cl. 99—107)

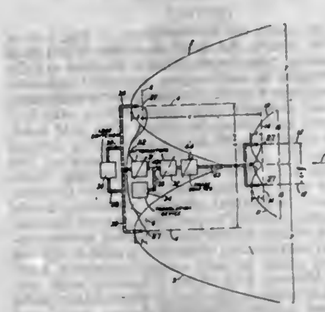
1. A process for conditioning the blood vessels of an animal liver with a proteolytic enzyme for the tenderization thereof without affecting the meat tissue of the liver which comprises essentially the steps of immersing an animal liver characterized by having an outer layer of connective tissue and a network of tough, thick-walled blood vessels in a solution of a proteolytic enzyme in a confined zone, subjecting the immersed liver to a vacuum of between approximately 20 to 30 inches of mercury to open and distend the blood vessels, and releasing the said vacuum so as to allow the proteolytic enzyme solution to enter the distended blood vessels without rupture of said vessels, whereby the enzyme becomes associated with the tough blood vessels without contacting the said meat tissue of the liver.

2,471,283
AIRCRAFT CONTROL SYSTEM
Arnold G. Parker, Longueuil, Quebec, Canada
Application July 16, 1945, Serial No. 605,310
6 Claims. (Cl. 244—83)

1. In an aircraft control system, the combination with a movable control element of means for operating said element including a motion transmitting unit comprising a rotary shaft, an inclined disc carried by and rotatable with said shaft, a yoke through which said shaft extends, means mounting said yoke for swinging movement about an axis passing transversely through said shaft, means interconnecting said disc and yoke so that swinging movement is imparted to the yoke by rotary movement of the shaft and disc through a predetermined angle in either direction from a neutral position, means interconnecting the yoke and the control element so that the latter is caused to operate in response to swinging movement of the yoke, and means for tilting said shaft and disc about a transverse axis coinciding with the aforesaid axis about which the yoke is swingable.



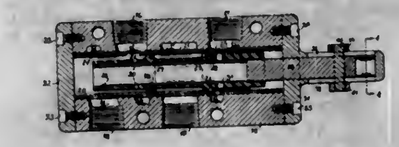
2,471,284
DIRECTIVE ANTENNA SYSTEM
Wilton T. Rea, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 25, 1945, Serial No. 595,697
6 Claims. (Cl. 250—33.65)



1. In combination, a first linear array comprising a pair of antenna elements spaced in a given plane a predetermined electrical distance, a second linear array comprising a pair of antenna elements spaced in a plane parallel to said plane a different electrical distance, said last-mentioned distance being a function, and equal to approximately one third, of the first-mentioned distance, a translation device, a pair of main lines connected to said device, a first pair of branch lines connecting said first-mentioned pair of elements to one of said main lines, a second pair of branch lines having equal lengths and connecting said second-mentioned pair of elements to the other main line, an adjustable phase shifter included in one of said main lines, and an adjustable attenuator included in one of said main lines.

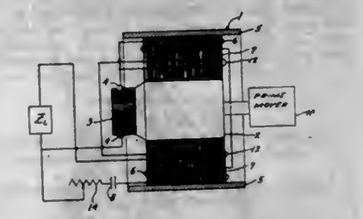
2. In combination, a first directive antenna system comprising a first pair of cylindrical parabolic reflectors having a large double opening, a second directive antenna system comprising a second pair of cylindrical parabolic reflectors having a small double opening, said reflectors facing in the same direction and having parallel focal lines, said large double opening containing said small double opening, substantially, the spacing between the focal lines of the second pair of reflectors being one-third, and a function, of the spacing between the focal lines of the first pair of reflectors, a primary antenna aligned with the focal line of each reflector and comprising a plurality of dipoles, a translation device, all of said dipoles being simultaneously connected to said device.

2,471,285
VALVE
David Y. Rice, Avon Lake, Ohio
Application November 8, 1944, Serial No. 562,451
5 Claims. (Cl. 251—78)



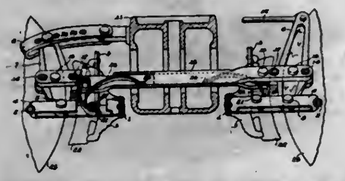
1. In a valve of the character described, a cylinder having longitudinally spaced ports, and a plunger of plastic material slidable therein, said plunger having integral spaced resilient peripheral ribs formed in one piece with the plunger and bearing upon the cylinder walls for separating or joining certain of said ports dependent upon the selected position of the plunger, said ribs being undercut on one side to provide annular peripheral flanges, and said cylinder having intake connections adapted to expose said undercuts to fluid pressure.

2,471,286
ALTERNATING CURRENT GENERATOR
Carl S. Roys, West Chicago, Ill., assignor, by mesne assignments, to Nader Engineering Company, a corporation of Illinois
Application March 29, 1946, Serial No. 658,060
2 Claims. (Cl. 322—96)



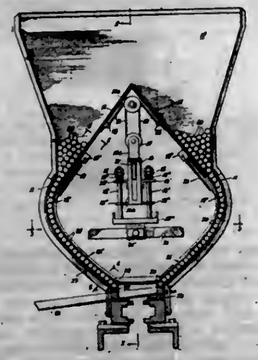
1. A self-excited, constant frequency, alternating current, commutator type generator comprising an armature winding, an exciting field winding wound on the field structures of said machine and disposed in cooperative relation to said armature winding, a capacitive reactance connected in series with said field winding, means connecting said capacitive reactance and said field winding to be energized in series by the generated voltage of said armature winding, said capacitive reactance being selected to substantially neutralize the inductive reactance of said field winding circuit at a predetermined frequency, and a compensating field winding on said generator constructed and disposed on common field structures with said exciting field winding and positioned in magnetic relation to said armature so as to substantially neutralize armature reaction flux, whereby the generated output of said generator will be substantially equal to said predetermined frequency and independent of the speed of the generator or character of the load supplied.

2,471,287
BRAKE RIGGING WITH BEAM-RETRACTING SPRING
Frederic Schaefer, Pittsburgh, Pa.
Application November 15, 1947, Serial No. 786,234
5 Claims. (Cl. 188—213)



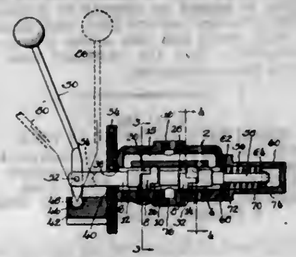
1. Railway car brake rigging comprising a brake beam, an operating lever extending transversely of the beam and pivotally connected to it, a substantially horizontal hollow connecting rod spaced vertically from the beam and having one end pivotally connected to the lever, and a leaf spring having one end disposed in said rod and the other end connected to the beam, and said spring being formed to urge the beam toward the opposite end of the rod to normally hold the beam in brake-released position.

2,471,288
LABELING MACHINE ATTACHMENT
Frederick Jacob Schuls, Rensselaer, N. Y., assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware
Application February 27, 1945, Serial No. 580,043
5 Claims. (Cl. 312—80)



1. A device for feeding cartridges to an associated machine for further handling which comprises a hopper of relatively large capacity, the bottom of which is constructed in the form of an inverted V, a plurality of throats depending from and communicating with said hopper, slide mechanisms forming a part of said hopper bottom for guiding a single row of cartridges into each of the said throats, a flexible spring blade mounted between said throats intermediate the tops and bottoms thereof and means for actuating said spring blade to contact said cartridges in said throats through windows provided therein to maintain the cartridges in horizontally aligned positions.

2,471,289
PREFERENTIAL OPERATING VALVE
Robert K. Sedgwick, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 5, 1944, Serial No. 538,720
21 Claims. (Cl. 251—76)

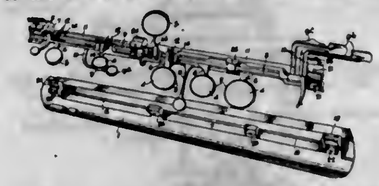


1. A slide valve for distribution of liquid to a plurality of hydraulic devices, which comprises a valve casing, a cylindrical bore therein, spaced discharge ports in said casing adjacent opposite ends thereof, each communicating with said bore, an inlet port in said casing intermediate said discharge ports and communicating with said bore, a movable valve element inside said casing having two piston-like portions slidably engaging the wall of said bore, said element comprising three portions of reduced cross-sectional area forming two end and one central annular chambers inside said bore, said pistonlike portions having notches in the bore engaging surfaces thereof communicating with said central chamber, a pair of spaced distribution ports in said casing adjacent each extremity thereof and communicating with one of said end chambers, all of said distribution ports being closed against communication with said central chamber by said pistonlike portions in the neutral position of said element, actuating means for moving said element longitudinally of said bore and for rotating said element therein, said element being adapted, when displaced in either direction longitudinally of the bore from its neutral position, to open one pair of said distribution ports to communication with said central chamber through the associated notch, and said element being adapted, when rotated in either direction while in said displaced position, to decrease the opening of one of said last-mentioned ports into the associated notch, and resilient means for resisting movement of said element from its neutral position.

2,471,290
SAXOPHONE
Hector Sommaruga, London, England
Application February 27, 1947, Serial No. 731,335
In Great Britain December 14, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 14, 1965
3 Claims. (Cl. 84—385)

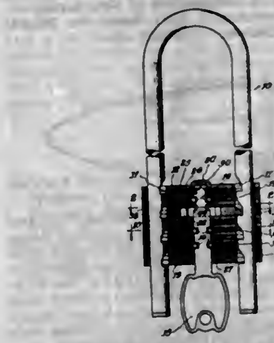
3. In a saxophone, a tubular member, tone holes disposed at intervals along said member, locater lugs integral with the pillar, terminal pillars slidably engaged over and detachably secured to said lugs, axles secured in said terminal pillars, additional locater lugs formed on the tube between said terminals lugs, corresponding additional pillars detachably secured to said latter lugs and receiving said axles, valves normally closing said tone holes, means connecting the valves to the said axles, an inverted channel section guard

shrouding the axles and secured to said pillars, a buffer strip along one edge of said guard acting as a buffer for the means connecting the valves to the axles, springs on the axles loading the



valves to the closed position, and keys carried by said axles for operating the valves, the said pillars, axles, valves and associated means and the said guard being detachable as a unit from the said tubular member.

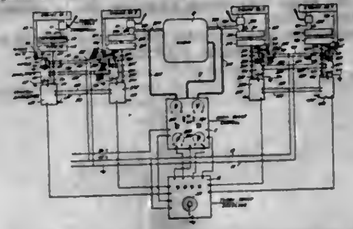
2,471,291
PADLOCK
Harry E. Soref and Daniel J. Foote, Milwaukee, Wis., assignors to Master Lock Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 7, 1946, Serial No. 695,357
6 Claims. (Cl. 70—38)



1. In combination, a padlock which includes a casing having a laminated portion composed of a plurality of superimposed plates formed with registered openings, a locking lever approximating in thickness the combined thickness of said plates and movable in said opening toward and from locking position, said lever having an opening to admit a key and having a shoulder adjacent said opening, one of said plates having a fixed tumbler portion projecting into the opening of said plate, said plate which has the fixed tumbler portion being adapted to be transposed with any other plate of said group in the process of assembling the lock to produce a lock requiring a different key.

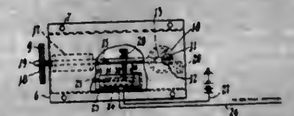
2,471,292
AIRFLOW CONTROL APPARATUS FOR CABIN PRESSURIZING AND ENGINE SUPERCHARGING
Daniel G. Taylor, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 26, 1944, Serial No. 569,759
15 Claims. (Cl. 244—59)

2. In a compound electrical network, a plurality of individual networks; an adjustable control network common to all of said individual networks for simultaneously adjusting same, means for modifying the adjustment of one of said individual networks, and means connecting said modifying means to said adjustable control network so that rate of modification permitted by said modifying means is dependent on the adjustment of said control network.



9. In an aircraft having a pressurized enclosure, a plurality of engines, a supercharger for each engine for supplying air thereto, reversible electric motor means for controlling each of said superchargers, electric circuit means including control devices for regulating the operation of said motors and thereby the operation of said superchargers, one of said control devices comprising a pressure selector means manually adjustable from low to high pressure settings for causing said superchargers to supply air under lower or higher pressures to said engines, at least one of said superchargers also supplying air to said enclosure, means responsive to the flow of air to said enclosure, and voltage modifying means adjusted by said flow responsive means, said voltage modifying means being connected in said circuit in a manner to modify the operation of said one supercharger, the permissible amount of such modification being diminished by adjusting said pressure selector means to higher settings.

2,471,293
ANTITHEFT LOCK FOR AUTOMOBILES
Norman A. Truesdell, Scarboro Bluffs, Ontario, Canada
Application May 20, 1947, Serial No. 749,235
1 Claim. (Cl. 70—254)



In an anti-theft device for an automobile, a slide bar reciprocably mounted for endwise projection into locking engagement with the brake lever of the automobile, a relatively fixed lock having a key-controlled barrel rotatable between unlocked and locked positions, a crank on said barrel for turning therewith, a pitman connecting said crank to said slide bar for projecting the slide bar when said barrel is turned to locked position, a circuit breaker electrically connected in the electric system of the automobile, said circuit breaker having a depressible element by which it is actuated, said depressible element being disposed in the plane of the swing of said pitman, and an adjustable member transversely carried by said pitman remote from its connec-

tion with said slide rod and disposed to depress said depressible element when said pitman is swung to a dead centre position by turning said barrel to project said slide bar.

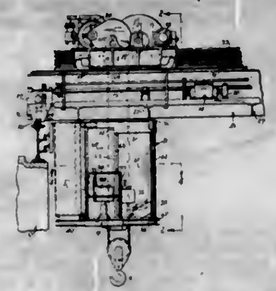
2,471,294
SHOCK ABSORBER
Raymond Watts, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application February 19, 1944, Serial No. 523,019
11 Claims. (Cl. 267—64)



1. In a shock absorber, a cylinder comprising a wall intermediate the ends thereof dividing said cylinder into two chambers, a fluid medium within said cylinder, a central opening through said wall affording means of communication for said medium between said chambers, a plurality of passages through said wall around said opening, a tube slidably fitted within said opening and comprising a plurality of slots therethrough, a series of discs in one of said chambers sleeved over said tube around said slots, the disc at one end of said series bearing against said wall, a member connected to said tube and bearing against the disc at the opposite end of said series, means associated with said member for urging the same toward said wall and thereby urging said discs into engagement with one another, an annular valve plate in the other chamber, spring means for urging said plate against the adjacent extremities of said passages, said plate having a central opening aligned with the first-mentioned opening, a piston reciprocal within said other chamber, said discs being movable axially of said cylinder to create interstices therebetween on the closure stroke of said piston, said first-mentioned means comprising a rod bearing against said member and extending through the head of said cylinder in threaded engagement therewith.

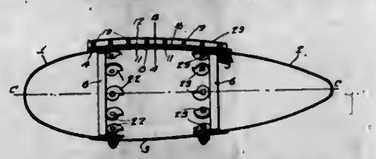
2,471,295
CRANE CAB
William G. Wehr, North Madison, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio
Application November 6, 1944, Serial No. 562,234
17 Claims. (Cl. 212—21)

1. An overhead operator's cab comprising a generally cylindrical tubular member having the side walls thereof composed largely of transparent material, means for supporting said member with the longitudinal axis thereof extending



vertically, and a platform movably connected to said member for rotation about the exterior thereof.

2,471,296
JETTISON FUEL TANK
Dwight P. Allen, Birmingham, and Royale Wise, Detroit, Mich., assignors to Thermoid Company, Trenton, N. J., a corporation of New Jersey
Application December 14, 1944, Serial No. 568,160
3 Claims. (Cl. 220—5)

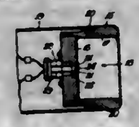


1. A tank comprising a tubular midsection and two cupped end sections, said end sections being adapted for assembly within the midsection with their open ends confined within the respective ends of the midsection, the said ends of the midsection tapering outwardly and the confined ends of the end sections having complementary tapers for wedging engagement within the tapering ends of the midsection, means including elements carried by the midsection in the interior thereof in position to engage the inner ends of said end sections for forcibly outwardly displacing said latter sections into the said wedged engagement with the midsection, means connected with said elements and extending through the wall of the midsection for actuating said elements from the exterior of the midsection, means for admitting said end sections to the interior of the midsection including a longitudinal slit in the wall and from one end of said midsection permitting radial expansion of said end for admission of the proximate end section, and means for releasably closing said slit.

2,471,297
PRODUCTION OF PALLADIUM ARTICLES
Ralph Hall Atkinson, Westfield, and George Paul Gladis, Bayonne, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 8, 1945, Serial No. 627,538
8 Claims. (Cl. 113—112)

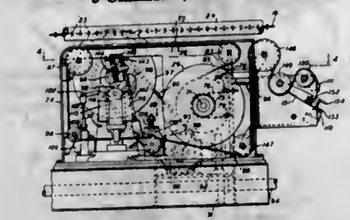
4. The method of fabricating soldered articles made of palladium-base metals which comprises soldering the articles with a neutral to oxidizing torch flame of acetylene and a gas containing free oxygen, said soldering involving numerous alternate heatings and coolings of the metal being soldered.

2,471,298
CATHODE CUP CONSTRUCTION
Zed J. Atlee, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application October 2, 1943, Serial No. 504,742
5 Claims. (Cl. 250—144)



2. An electronic device embodying an anode and a cooperating cathode comprising a disc forming an electron guiding member, said disc having an elongated pocket formed in the surface thereof facing said anode, a plurality of elongated electron emission elements disposed in side by side spaced apart relationship in said pocket, said plate being formed with relatively narrow grooves at the opposite ends of said pocket and in alignment with the medial axis thereof, and a partition comprising a strip of metal extending between an adjacent pair of said emission elements, said partition having a medial portion extending in said pocket and end portions mounted in said grooves.

2,471,299
CABLE FORMING MACHINE
Edward Bertalan, Glen Arm, Md., and Julius A. Wagner, Cleveland Heights, Ohio, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application March 31, 1942, Serial No. 436,988. Divided and this application March 21, 1945, Serial No. 583,918
5 Claims. (Cl. 113—33)



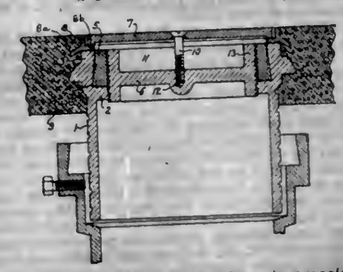
1. In a cable unit forming machine having a tube-forming means for forming a tape having tabs thereon into a tube over washers applied to a central conductor to form a coaxial cable unit and means for advancing a cable unit thus formed at a predetermined rate of speed, the combination of a reciprocable press for forming tabs on the tape, means for actuating the press, means for driving the actuating means, a clutch serving to connect and disconnect the actuating means to and from the driving means, means driven by the actuating means for intermittently advancing the tape through the press in synchronization with the press at an average rate of speed greater than that at which the tape is advanced through the tube-forming means, means for operating the clutch to connect the driving means to the actuating means when the slack in the portion of the tape between the tape-advancing means and the tube-forming means is less than a predetermined amount, and means for operating the clutch to disconnect the driving means from the actuating means when the slack in said portion is greater than a predetermined amount.

2,471,300
BRACELET CLASP
David Block, Philadelphia, Pa.
Application September 5, 1945, Serial No. 614,551
1 Claim. (Cl. 24—68)



An extensible bracelet clasp comprising a casing including a base, a top, and a longitudinally slotted shelf intermediate and substantially parallel to said top and said base and forming upper and lower spaces between said top and said shelf and shelf and said base, a spring member in said upper space with one end attached to said casing, a series of relatively slidable link members nested in said lower space, a pin on one end of one of said link members extending through the slot in said shelf and into said upper space and attached to the opposite end of said spring, said link member having a longitudinal slot formed therein, a solid link member underlying the first said link member, a pin in one end of said solid link extending into the longitudinal slot of the first said link member, a longitudinally slotted link member underlying said solid link member, a second pin at the opposite end of said solid link member extending into the longitudinal slot of the third said link member, and means comprising a catch member constructed and arranged to engage one of a plurality of notches in said third link member for retaining said nested link members in a collapsed locked relationship within the casing against projection therefrom by said spring.

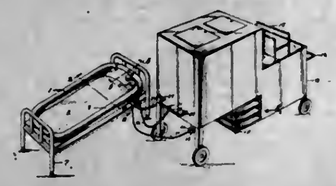
2,471,301
CAULKING PLUG
Edward W. N. Boosey, Detroit, Mich.
Application July 20, 1944, Serial No. 545,845
2 Claims. (Cl. 138—89)



1. A plumbing fitting comprising in association with a conduit having an open upper end positionable in a floor, an internally and externally flanged ring positioned in the floor at the upper

end of the conduit, said conduit having an inwardly extending threaded flange and the inner face of the conduit above the flange having longitudinal grooves of greatest depth at the flange, and means for sealing the upper end of the conduit comprising an externally threaded plug engageable with the internally threaded flange, said plug having means by which it may be rotated to turn the same into or out of its normal position, and a caulking material forced into position between the threaded face of the plug and the grooved surface of the end of the conduit, to thereby provide a threaded surface on the inner face of the caulking thereby permitting the plug to be turned into or from normal position, the grooves in the end of the conduit preventing rotation of the caulking by rotation of the plug in removal thereof, and a cover member seating on the inner flange of the ring, and means for removably securing the cover to the plug.

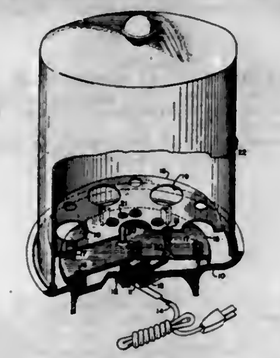
2,471,302
COLLAPSIBLE BATHTUB
Nellie Margaret Boward, Richmond, Va.
Application July 30, 1946, Serial No. 687,165
3 Claims. (Cl. 4—177)



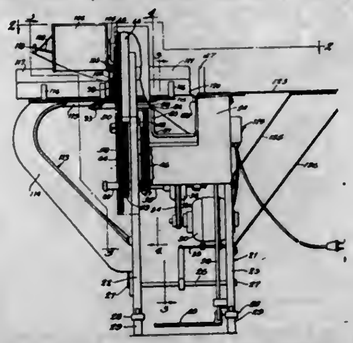
1. A unitary tub construction comprising a flexible base impervious to liquid and air, a flexible wall secured to the edge portion of said base and adapted to be inflated or deflated, and a control block secured within said wall, in association with a liquid inlet pipe, a liquid outlet pipe, and an air inlet pipe, all said pipes carried by said block and said wall for controlling the inflation and deflation of said flexible wall, and for controlling the flow of liquid into and out of the bottom of said tub.

2,471,303
BOTTLE-STERILIZING ARRANGEMENT
Oliver H. Brewster, Essex Fells, N. J., assignor to Electrical Industries, Inc., Newark, N. J., a corporation of New Jersey
Application December 3, 1946, Serial No. 713,693
7 Claims. (Cl. 21—79)

1. In a bottle sterilizer, a bottle-supporting arrangement comprising: a sterilizer base member including a plurality of spaced vapor jets integrally formed therewith and protruding therefrom and each adapted to receive the mouth of an individual bottle to be sterilized, each of said jets having an effective transverse dimension substantially equal to the internal diameter of said bottle mouth to restrain said bottle against substantial movement at the region of the mouth thereof but having at least one circumferential groove longitudinally thereof to permit drainage of vapor condensate out of said bottle; and an apertured plate member secured to said base member in spaced relation therewith and with the apertures thereof corresponding in number to said vapor jets and arranged in alignment therewith to support individual ones of said bottles at a circumferential region thereof spaced from said vapor jets, whereby each of said bottles is supported on said base for sterilization only by an individual one of said jets and said plate member.

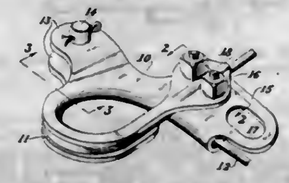


2,471,304
TYING MACHINE FOR ELONGATED PACKAGES
Benjamin H. Bunn, Chicago, Ill., assignor to B. H. Bunn Company, Chicago, Ill., a corporation of Illinois
Original application December 10, 1941, Serial No. 422,317. Divided and this application March 7, 1945, Serial No. 581,484
14 Claims. (Cl. 100—31)



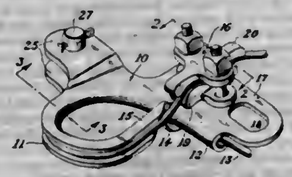
1. In a machine for wrapping relatively heavy packages, said machine having an annular wrapping head, a driving motor, a drive train comprising a plurality of gears, drive chains and sprockets operatively connecting said motor to said wrapping head, clutch means interposed in said drive train, clutch-actuating means for effecting alternate engagement and release of said clutch means, and a cam mounted on one of said drive train elements for coaction with said clutch-actuating means automatically to release said clutch means at a predetermined point in the rotation of said cam; a mechanically actuated brake comprising a brake disc journaled concentrically with and laterally adjacent to one of the drive train members, a brake actuating element mounted to operate synchronously with the cam, and means operatively interconnecting the brake actuating element and the brake to move the disc into braking engagement with its adjacent drive train member, upon the completion of a predetermined cycle of operation of said cam and associated parts.

2,471,305
CLAMP
Charles S. Card, Cortland, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York
Application April 5, 1946, Serial No. 659,835
4 Claims. (Cl. 24—135)



3. A clamp comprising a sheet-metal body bent upon itself to provide a main plate, a channeled cable-receiving element and a secondary plate, said plates being integral with said element and disposed at opposite ends thereof with the secondary plate beyond the channel of said element, said element being disposed to have its channel extend outwardly and being curved so that said plates are overlapped and extend in substantially parallel planes, said plates being movable with respect to each other incident to a flexing of said element, at least one of said plates having its face adjacent the second plate formed with a cable-receiving groove and securing means extending between said plates and to each side of said groove for clamping between said plates an interposed cable.

2,471,306
CLAMP
Charles S. Card, Cortland, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York
Application April 5, 1946, Serial No. 659,836
4 Claims. (Cl. 24—135)



3. A cable clamp of the snubbing type comprising an elongated body member formed into a loop providing a curved channel-shaped snubbing seat extending substantially therearound and having a taut cable end and a slack cable end said body member having a yoke-like portion extending beyond the slack cable end of the snubbing seat and offset laterally therefrom, said yoke-like portion straddling the body member adjacent the taut cable end of the snubbing seat so as to resist distortion of the body member and means forming a part of said clamp for securing a cable against movement with respect to the same.

2,471,307
METHOD AND APPARATUS FOR FORMING THREADED CAPS
Leslie R. N. Carvalho, Decatur, Ill., assignor, by mesne assignments, to Crown Cork Specialty Corporation, Decatur, Ill., a corporation of Illinois
Application May 4, 1943, Serial No. 485,640
2 Claims. (Cl. 93—36)



1. A method of securing together a top element formed of a top wall disk, liner disk and a surrounding tubular skirt, comprising applying adhesive to a face of one of said disks, positioning said face of the last-mentioned disk in contact with a face of the other disk, positioning the two disks in one end of the skirt, and pressing the two disks together so that a portion of the adhesive will flow from between them and upon the peripheral edges of the disks and the opposed inner wall of the skirt, and adhesively securing to the internal surface of the free part of the skirt a cylindrical threaded element having a width substantially corresponding to the axial length of such free portion of the skirt.

2. Apparatus for forming a threaded strip comprising a pair of rolls rotatable about parallel axes, the respective rolls being provided with cooperating punch elements arranged along helical lines about the roll, means to guide a strip between the rolls along a line normal to the axes and tangential of the rolls so that a series of open slots will be punched in the strip along a line extending obliquely of the strip, a second pair of rolls mounted on parallel axes, and means associated with said second pair of rolls to guide a strip between the rolls along a line which is oblique with respect to a line passing through and normal to both roll axes and with the planar faces of the strip normal to both axes, so that said last-mentioned rolls will exert lateral pressure upon the edges of the strip and mold a ridge therein along the line of the slots in the strip.

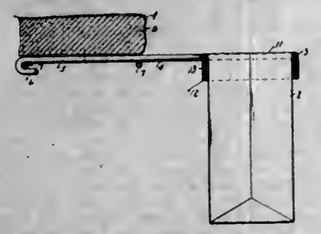
2,471,308
SANITARY HOLDER FOR SMALL ARTICLES
Lola A. Casnati, New York, N. Y.
Application December 8, 1947, Serial No. 790,419
12 Claims. (Cl. 294—25)



12. A sanitary holder for picking up small articles comprising a sheet of folded paper or like material having an upwardly directed central apex portion and a plurality of downwardly directed side apex portions into which one may engage one's fingers for pressing the side apex portions toward each other, and tongs carried by said

folded sheet and projecting from the bottom portions of said side apex portions, there being an addition of foldable sheet material integrally carrying all said tongs, said addition interfitted with certain of the folded portions of said sheet, said tongs being carried at the outer ends of ribs established by foldings of said addition, said rib-establishing foldings being so aligned as to establish said ribs and tongues, over at least a major portion of the length of each, as formations V-shaped in cross-section, said addition being formed from a blank substantially cruciform in outline and having a central opening outwardly from which said ribs radiate, said addition also including webs arranged interveningly of said ribs, said ribs near said opening having portions locally projected in directions to establish outward bulges near the upper ends of the side walls of said central apex portion, said locally projected rib portions being struck-out tongues, and said sheet having slits so placed that when said addition is added to the folded sheet, said tongues pass through said slits, said tongues being so directed and so passed through said slits, that said tongues extend through the walls of said central apex portion into said side apex portions for seizure coaction with one's fingers engaged with said side apex portions.

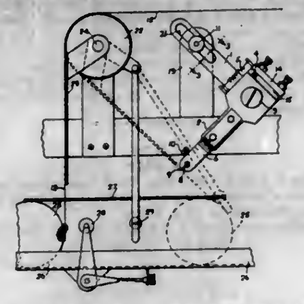
2,471,309
SICKBED WASTE RECEPTACLE HOLDER
Harry L. Chandler, Portland, Oreg.
Application April 10, 1946, Serial No. 661,030
1 Claim. (Cl. 248—95)



The combination, in a sick bed waste receptacle, of a stock paper bag having its open end provided with a cuff formed by folding over and creasing the unopened bag from each side, tearing one side down to the fold, and then turning the bag inside out down to said fold and a holder formed of a length of wire having its middle portion bent into a loop adapted to be received between the cuff and the body portion of the bag and its end portions extended in right angled parallel juxtaposition from one side of said loop and then diverged to provide lateral stability with the extremities terminating in hooks to engage the springs of a bed beneath the mattress.

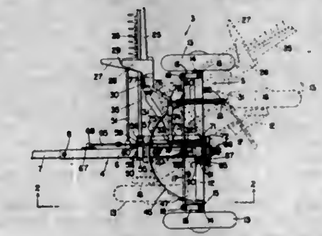
2,471,310
TAPE SEVERING DEVICE
George Kenneth Charles, Wincanton, England
Application May 6, 1946, Serial No. 667,641
In Great Britain May 22, 1945
3 Claims. (Cl. 219—29)

1. A tape severing device comprising a severing element consisting of an electrical resistance wire, a support for said wire, leads for supplying electric current to the wire for the purpose of rendering it incandescent, means for moving a tape to be severed into contact with said severing element, and a needle carried by said support adjacent said severing element and for engaging the



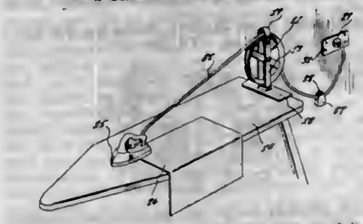
tape to retain it in contact with said element until severed.

2,471,311
MOWER
Nolan D. Colvin, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 28, 1944, Serial No. 556,233
3 Claims. (Cl. 56—25)



1. A mower of the trailing type, comprising a generally longitudinally extending draft tongue having means thereon for a single point of connection on a vertical pivot axis to a source of draft power; a cutter-bar-supporting frame disposed generally transversely to the tongue, and including a laterally extending cutter bar; means including a vertical pivot, spaced longitudinally of the aforesaid pivot axis, for connecting the frame to the tongue for rearward swinging of the frame and cutter bar about said pivot with respect to the tongue when the cutter bar strikes an obstruction and for forward return movement of said frame and cutter bar to normal position when such obstruction is cleared; releasable means connected between the tongue and frame and normally holding the frame and cutter bar against swinging; a wheel-mounting portion on the frame spaced laterally of said vertical pivot and thereby movable generally fore and aft as said frame and cutter bar swing as aforesaid; a ground-engaging wheel steerably mounted on said portion for carrying the frame; and means including a steering link connected to the wheel and pivotally connected to the tongue at a point spaced longitudinally from the aforesaid frame pivot for holding the wheel substantially in straight-ahead position to prevent lateral shifting of the tongue as it trails behind the source of draft power, said link providing for maintaining the wheel in substantially straight-ahead position as it shifts fore and aft when the frame and cutter bar swing rearwardly and return forwardly as aforesaid.

2,471,312
ELECTRIC IRONING CORD GUIDE
George A. Corbliss, Long Island City, N. Y.
Application April 8, 1943, Serial No. 19,687
2 Claims. (Cl. 248—51)



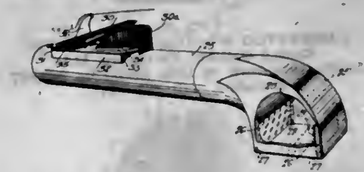
1. An electric iron cord guide comprising a base adapted to be connected to an ironing board, side portions extending upwardly from the base, a pulley wheel pivotally connected between the side portions and adapted to receive the ironing cord, and means for providing weight upon the cord outwardly of the ironing board whereby to cause the cord to be lowered as the iron is returned toward the pulley, means for connecting said side portions to the base for swivel movement about a vertical axis, and a top portion lying over the pulley and joining the upper ends of the side portions, said side portions having interior faces lying flush with the interior face of the top portion.

2,471,313
BRAKE RIGGING
Theodore C. Crossman, Wilkinsburg, Pa., assignor to the American Brake Company, Swissvale, Pa., a corporation of Missouri
Application June 21, 1947, Serial No. 756,206
6 Claims. (Cl. 188—46)



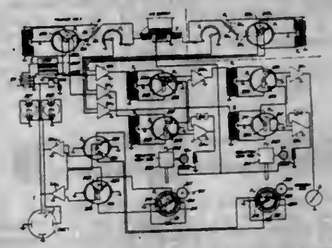
1. A brake rigging for a six wheel truck comprising in combination with the truck frame, a first hanger lever pivotally attached intermediate its ends to the truck frame at the forward side of the one rear wheel of the truck and provided at its lower end with means for frictionally engaging said one rear wheel, a second hanger lever pivotally suspended from the truck frame at the forward side of the one middle wheel of the truck and provided intermediate its ends with means for frictionally engaging said one middle wheel, a third hanger lever supported intermediate its ends at the rear side of the one forward wheel of the truck and provided intermediate its ends with means for frictionally engaging said one forward wheel, means operatively connecting the lower ends of said second and third hanger levers, a brake cylinder secured to the truck frame outboard of the wheels between said one rear wheel and said middle wheel, a transversely extending floating equalizer lever connected at its outer end with said brake cylinder and at its inner end with the upper end of said first hanger lever, a second transversely extending equalizer lever pivotally supported intermedate its ends and operatively connected at its inner end with the upper end of said third hanger lever, and means operatively connecting said two equalizer levers.

2,471,314
GATHERING HEAD FOR COTTON HARVESTING MACHINES
Grover C. Curtis, Bryan, Tex.
Application April 10, 1944, Serial No. 530,308
1 Claim. (Cl. 56—32)



A gathering head for cotton harvesters including a suction tube having an orifice therein, a nozzle on one end of said tube opening at right angles to the longitudinal axis of the tube, a pair of substantially flat plates hinged on opposite sides of said nozzle opening and influenced by suction through said tube to open inwardly thereof, a multiplicity of cotton impaling prongs carried by each of said plates and inclined towards the midsection of said nozzle, a valve hinged to said suction tube and movable to open and close the orifice in said tube and a substantially U-shaped, foraminous guard affixed to said tube and partially embracing said orifice.

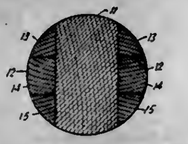
2,471,315
AIRCRAFT TRAINER FOR AERIAL GUNNERS
Richard C. Dehmel, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 3, 1944, Serial No. 520,912
27 Claims. (Cl. 35—25)



14. In an aircraft trainer operable by a trainee in simulation of flight, means for determining the instant values of the Cartesian coordinates of the simulated changing position of the trainer in the simulated flight, means for determining the instant values of the Cartesian coordinates of the simulated changing position of a moving target, means for subtracting said coordinates and resolving the remainders into the polar coordinate potentials representative of the range and azimuth and elevation angles of a path from the simulated flight position of the trainer to the

target, a first indicator operable in response to said range potential to indicate the instant range, a second indicator having a screen operable in response to the azimuth and elevation angle potentials to indicate the instant position of the target with respect to the line of simulated flight of the trainer, and a key operable to simulate the firing of a gun at the target and operable when said target position is at a predetermined position adjustable at will on the screen of said second indicator to alter the vertical coordinate of said result whereby the target position on the screen of said second indicator is depressed to indicate the target as hit and falling.

2,471,316
LAMINATED WOODEN BOWLING PIN
Russell C. Diehl, Baltimore, Md.
Application April 26, 1946, Serial No. 665,057
4 Claims. (Cl. 273—62)



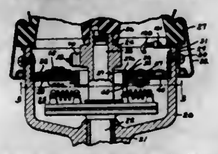
2. A wooden bowling pin comprising a transverse central section having two parallel sides, extending between opposite sides of the pin and forming the head, neck, and a portion of the base of said pin, the grain of said section running generally parallel to said parallel sides, and a side section secured to each of said parallel sides and forming the remainder of the base thereof, the grain of said side sections running generally perpendicular to the grain of said central section.

2,471,317
HEAT EXCHANGER
Arthur J. Fausek and Irwing F. Fausek, Clayton, Mo.
Application October 23, 1944, Serial No. 559,889
3 Claims. (Cl. 257—246)



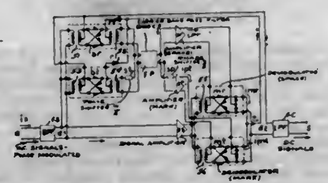
1. A heat exchanger comprising a structure which includes an elongated tubular member, means providing a pair of adjacent passageways which are extended helically about said elongated tubular member at the outside thereof, inlet conductors leading to said passageways, and outlet conductors leading from said passageways, one of said pair of adjacent passageways being produced by a pair of spaced fins formed on and extended helically about said elongated tubular member, said fins having portions which are bent toward each other and secured together to produce said helical passageway.

2,471,318
IGNITION TIMER
John T. Fitzsimmons and William D. Schrope, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 26, 1946, Serial No. 679,337
9 Claims. (Cl. 200—30)



2. An ignition device for an internal combustion engine comprising in combination, a housing, a cam rotatably supported by the housing; a circuit breaker having a rubbing block operated by the cam, a movable plate for supporting the circuit breaker; a stationary plate; a plurality of bosses carried by the movable plate for laterally supporting the movable plate near its periphery on the stationary plate; means rotatably supporting the movable plate at its central portion; and resilient means carried by the movable plate and disposed between one of the bosses and the central supporting means resiliently urging the bosses carried by the movable plate against the stationary plate, said resilient means operating to prevent tilting of the movable plate when the cam engages the rubbing block of the circuit breaker.

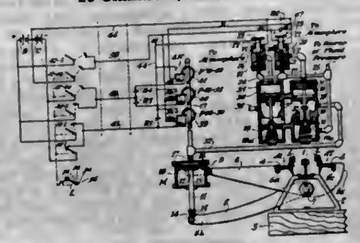
2,471,319
ALTERNATING-CURRENT SIGNAL TRANSMITTING SYSTEM
Henri Gardère, Paris, France, assignor to Compagnie Generale d'Electricite, Paris, France, a corporation of France
Application May 20, 1946, Serial No. 670,891
In France May 7, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 7, 1965
4 Claims. (Cl. 178—66)



1. In a receiver for receiving and reconverting into direct current signal elements of successively opposite polarity, a transmitted alternating current signal consisting of successive short trains of two alternating currents of the same frequency but having a substantial determined phase difference W which is substantially less than π, receiving terminals for receiving said trains of the so determined different phase, a carrier current suppressing balanced demodulator unit having input terminals and output terminals and control terminals, said input terminals of said demodulator unit being connected to said receiving terminals, a pair of blocking devices having substantial conducting asymmetry and each having input terminals and output terminals and control terminals and each being adapted to pass a relatively large current from its input terminals to its output terminals when direct current of a particular characteristic is applied to its control terminals and to pass only a relatively small current from its input terminals to its output terminals when its control terminals are not so energized, a carrier band pass filter of relatively large time constant, a connection between the input of said carrier filter and the output terminals of said blocking devices, said connection comprising dephasing means for dephasing the output of one of said blocking devices relative to the output of the other blocking device by a substantial angle which is substantially less than π and equal to said determined phase difference W of said two alternating currents applied to said receiving terminals, the output of said carrier filter being connected to the control terminals of said demodulator unit, direct current output connections for said receiver connected to the output terminals of said demodulator unit, and control connections from the output terminals of said demodulator unit to the control terminals of said blocking devices, said control connections and said blocking devices comprising means whereby one and only one of said blocking devices at a time is selectively unblocked to pass a relatively large current according to the polarity of the direct current output of said demodulator unit, whereby the output of said demodulator unit consists of successive direct current signal elements of both polarities as uniquely determined by the phase of the received alternating current signal trains and whereby the phase of the currents applied to the input of said carrier filter is substantially constant and the amplitude of said output is independent of the amplitude of said transmitted alternating current signal trains.

connecting said line wire to said supply means so that at times a current of one polarity flows in the line wire and at other times a current of opposite polarity flows in the line wire, and means connecting said line wire to said winding including oppositely poled asymmetric units so that the current in the winding is of the same polarity regardless of the polarity of the current in said one line wire.

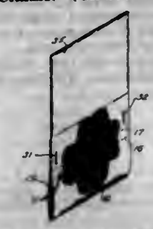
2,471,320
RAILWAY BRAKING APPARATUS
Robert M. Gilson, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 28, 1948, Serial No. 11,975
13 Claims. (Cl. 303—20)



1. Control apparatus, comprising an electrical winding, an electrolytic condenser connected in parallel with said winding to delay deenergization thereof, two electrical circuits for energizing said winding and said condenser from a remote point with direct electric potentials of the same polarity, including a line wire extending between said winding and said point, direct electrical energy supply means, means at said point for

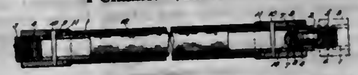
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2,471,321
DISPLAY CARD AND PACKAGE
Sidney R. Gittens, Philadelphia, Pa.
Application August 2, 1945, Serial No. 608,465
5 Claims. (Cl. 206—79)



4. A combined display card and package for an article such as one or more screen patches comprising a pair of subpanels, a cross-bar separating said subpanels, windows adjacent the ends of said cross-bar and respectively adjacent the four corners of said subpanels, score lines forming extensions of said cross-bar for bending of said card to bring in opposed relation said windows to provide for ready insertion on one side of said cross-bar and through said windows of the article, said subpanels being provided with score lines for movement thereof over the article and to provide side walls equal to the thickness of the article, said card being provided with a score line to define a back panel for movement over and against said subpanels, and means for holding said back panel in place against and in supporting relation with said subpanels.

2,471,322
MICROMETER GAUGE AND THE LIKE
Leonard Ernest Glover, Leatherhead, England, assignor to himself and Pitter Gauge & Precision Tool Co. Limited, Leatherhead, England, a company of Great Britain
Application July 28, 1944, Serial No. 546,992
In Great Britain August 14, 1943
4 Claims. (Cl. 287—12)

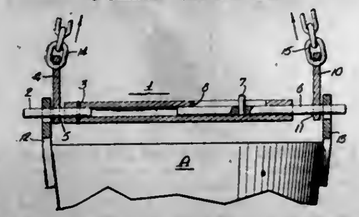


1. A length bar for use in gauging lengths and adapted to be connected to another gauging member having its end faces accurately finished in a plane at right angles to the axis of the bar, a threaded plug part extending beyond one end and an internally threaded part at the other end, one of said parts having an end with a transverse hole which flares outwardly from the centre and said end disposed within the end of the length bar and a pin passing through the hole and having its ends in the wall of the length bar.

3. A length bar for use in gauging lengths and adapted to be connected to another gauging member having its end faces accurately finished in a plane at right angles to the axis of the bar,

a threaded plug part extending beyond one end and an internally threaded part at the other end, one of said parts having an end with a transverse hole which flares outwardly from the centre and said end disposed within the end of the length bar, a pin passing through the hole and having its ends in the wall of the length bar, a ferrule mounted somewhat loosely on the length bar, a pin fixed at its ends only in the ferrule and said length bar having holes slightly larger than the pin which passes through them.

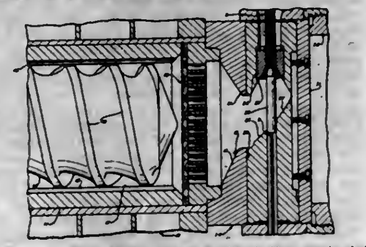
2,471,323
HOISTING AND LIFTING DEVICE
William J. Harrington, Coatesville, Pa., assignor to Lukens Steel Company, Coatesville, Pa., a corporation of Pennsylvania
Application June 25, 1948, Serial No. 35,273
6 Claims. (Cl. 294—93)



6. In an adjustable lift device, a pair of relatively rotatable and telescopically slidable members, means to limit relative sliding and relative rotational movement of said members, means on one of said members engageable with the other member upon relative rotation of said members in one direction to prevent relative sliding movement of the members, a lift arm associated with one of said members in predetermined relation circumferentially with respect thereto, and a lift arm associated with the other member and disposed at an angle with respect to the first lift arm so that lift forces applied to said arms causes relative rotation thereof toward an in-line position and engages and maintains the means on said one member in engagement with the other member to prevent relative sliding movement of said members, the angular disposition of said arms in the disengaged position of said means being greater than the maximum rotational movement of said means into and out of engagement with the said other member so that in the engaged position of said means with the other member the arms are angularly disposed with respect to each other and lifting forces thereon tend continuously to exert a positive force upon the means to maintain it engaged with said other member.

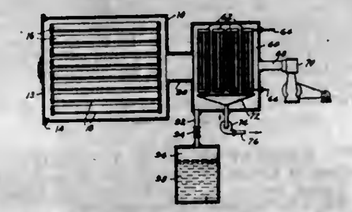
2,471,324
APPARATUS FOR ADVANCING NON-METALLIC PLASTIC MATERIAL
George E. Henning, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1946, Serial No. 709,479
1 Claim. (Cl. 18—13)

An apparatus for advancing non-metallic plastic material, which comprises an extrusion cylinder having a bore formed therein, a stock screw positioned in the bore and having threads extending helically in a predetermined direction thereabout, and means for rotating the stock screw to advance plastic material through the extrusion cylinder in a predetermined direction, said extrusion cylinder being provided with a plurality of internal grooves extending along a predetermined portion thereof, said grooves being slightly helical in a direction opposite to that of the



threads of the stock screw so that the material in the grooves is forced therealong, said grooves serving to prevent revolution of the plastic material with the stock screw and thereby increasing the delivery efficiency of the stock screw.

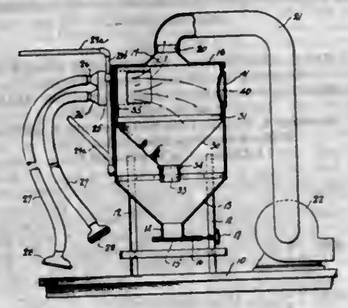
2,471,325
VACUUM DEHYDRATION
Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
Original application October 18, 1944, Serial No. 559,190. Divided and this application October 17, 1947, Serial No. 780,570
2 Claims. (Cl. 34—5)



1. The dehydration process which comprises exposing water containing material in a frozen state to vacuum over a substantial time interval and under such controlled conditions as to remove therefrom progressively decreasing amounts of water in the form of water vapor, progressively admixing with said removed water vapors the vapors of a normally liquid substance having the property of lowering the freezing point of water, said vapors being admixed in such relative amounts as to provide progressively increasing proportions of said freezing point lowering vapors in the mixture, progressively condensing said admixed vapors to produce a liquid mixture of water and said substance and progressively removing said liquid mixture while in liquid form.

2,471,326
LEAF SEPARATOR FOR BERRY PICKING MACHINES
William Clinton Hoyt, Sr., Aberdeen, Wash.
Application April 17, 1944, Serial No. 531,405
1 Claim. (Cl. 209—144)

In a berry picking machine, a closed, vertically disposed cylindrical housing providing a closed separating chamber and having a horizontal upper end wall formed centrally with a suction connection, and closed at its lower end by a wall forming a berry receiving hopper, a suction manifold opening into the housing adjacent the upper end wall, tangentially thereof, and equipped for the attachment of sucker tubes thereto, a fabric basin suspended in the chamber from the side walls thereof as a partition wall between upper



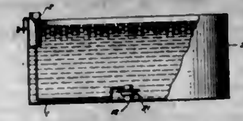
and lower end portions of the housing, and forming a conical receiving basin for berries drawn into the chamber through the suction manifold; said basin having a restricted central discharge opening into the receiving hopper and said hopper having a normally closed discharge opening and said housing being formed above the partition wall with a vacuum relief opening and a removable closure therefor.

2,471,327
ANGULAR AND LINEAR CALCULATING INSTRUMENT
Ernest William Hunt, Crows Nest, near Sydney, New South Wales, Australia, assignor of one-half to Henry Phipps John Woodward, Waverton, near Sydney, New South Wales, Australia
Application December 12, 1945, Serial No. 634,454
In Australia January 23, 1945
2 Claims. (Cl. 235—61)



1. An angle and linear calculating instrument consisting of a base incorporating a slidable scale with a zero mark thereon juxtaposed graduations on the base parallel to the slidable scale said graduations being calculated as a pitch scale for indicating the length of an inclined member where rise per foot run and span are known; a rotatable cursor mounted on said base, at least two pointers on said rotatable cursor one of said pointers being juxtaposed gradustions on the slidable scale and the other said pointer being juxtaposed graduations on said base formed radially about said cursor and calculated as a pitch scale; said pointers being arranged in relation to the scales formed radially about the cursor so that if the zero mark on the slidable scale is set to a particular value of pitch on said base scale and one of said pointers is set to the pitch scale juxtaposed said cursor the other said pointer will indicate on the sliding scale the length of the inclined member.

2,471,328
WATER REGULATOR FOR CATTLE TANKS
Homer T. Jones, Ord, Nebr.
Application January 10, 1947, Serial No. 721,370
1 Claim. (Cl. 137—68)



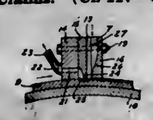
The combination with a water regulator situated in the central and bottom part of a cattle drinking tank and having a primary diaphragm, a relatively small in diameter but relatively tall liquid container having means for attaching to the outer and upper edge of said tank, a liquid conveying means adapted to communicate liquid from said container to the upperside of said diaphragm, means whereby water in said tank can freely communicate with the underside of said diaphragm, a main inlet conduit adapted for connecting to a supply pipe of said tank and terminating with a valve seat, a secondary valve diaphragm member its face adapted to close on said valve seat and close said main inlet conduit said secondary valve member being considerably larger in diameter than said valve seat, a chamber back of said secondary valve member having relatively small inlet and outlet conduits which have adjacent valve seats said relatively small inlet conduit being adapted to convey the water pressure from said main inlet conduit into said chamber, a primary valve member situated between said adjacent valve seats, and means whereby a small movement of said primary diaphragm will actuate said primary valve member from one to the other of the said adjacent valve seats.

2,471,329
METHOD OF MAKING MEASURING TAPES
Adolf W. Keuffel, Essex Fells, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
Original application November 11, 1942, Serial No. 465,286. Divided and this application September 4, 1948, Serial No. 47,905
2 Claims. (Cl. 117—12)



2. The method for making a coated metal measuring tape which comprises preparing a metal strip to receive a coating composition, passing the strip in contact with a roller which carries and applies to the strip a pigmented coating composition comprising a synthetic resin which will set while retaining its elasticity, passing the coated metal strip through a heated zone to remove the solvents and permanently set the coating, applying indicia comprising numerals and graduations to the coated metal strip with an ink which will firmly bond with the coating and applying a top coat of a transparent coating composition to the printed coated strip.

2,471,330
METHOD OF CONTINUOUSLY COATING POROUS SHEETS
George D. Knight and Ben W. Rowland, Appleton, Wis., assignors to The Institute of Paper Chemistry, Appleton, Wis., a corporation of Wisconsin
Application February 17, 1947, Serial No. 729,062
4 Claims. (Cl. 117—61)



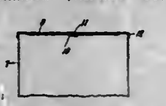
1. The method of continuously coating a porous sheet, which comprises, evacuating fluid ingredients from a region adjoining and within a surface of the sheet, removing the evacuated region from the zone of evacuation to a coating zone and promptly thereafter applying fluent coating substance to said removed region under at least atmospheric pressure before direct exposure of the region to the ambient atmosphere, and relatively moving the sheet and the evacuation and coating application zones to enlarge the coated area.

2,471,331
APRON
Hershal J. Lee, Bremerton, Wash.
Application October 11, 1946, Serial No. 702,621
1 Claim. (Cl. 2—48)



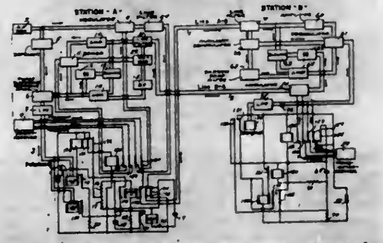
An apron of the character described comprising a body portion equipped with means whereby it may be secured about the waist portion of the wearer, and having an upwardly pointed bib portion formed at its upper end with a button hole designed for application to a button of the apron wearer's shirt for the support of the bib; said bib having a cross slit spaced from and below the said button hole, designed to receive the end portions of a necktie, as applied about the neck of the apron wearer, for the passing of the tie ends to the inside of the apron.

2,471,332
METHOD OF SEALING EMPTY CANS
Paul T. Lemmel, Madison, Wis., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
Application June 28, 1944, Serial No. 542,526
2 Claims. (Cl. 226—80)



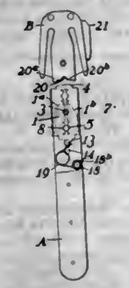
1. The process of treating empty plated metal cans having an aperture therein adapted for the introduction of a food product therein, the edges thereof forming said aperture being unplated, said process comprising filling said aperture completely and covering said edges completely with a plug of waxy material whereby the interior of said can remains in a substantially clean and sterile condition and the corrosion of said edges is prevented during storage, and removing said plug prior to filling said can with a food product.

2,471,333
PHASE REVERSAL TELEGRAPH SYSTEM
Robert Pierre Leroy, Paris, France
Application November 6, 1945, Serial No. 627,026
In France March 12, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 12, 1963
1 Claim. (Cl. 178—66)



In a system of carrier frequency telegraphy transmitting on the line signals comprising carrier frequency, signal elements of opposite phase, a first station, a second station, two uni-directional lines connecting said stations, said first station comprising an audio carrier frequency generator, each of said stations comprising transmitting keying means, transmitting modulating means controlled by said keying means adapted to change keying impulses of opposite polarity into carrier frequency pulses of opposite phases, and receiving demodulating means adapted to change received carrier frequency pulses of opposite phases into continuous current impulses of opposite polarity, each said receiving demodulating means comprising means for deriving a portion of the received modified carrier frequency current and converting the same into unmodified original carrier frequency current, said transmitting modulating means at said first station being connected to said generator, said transmitting means at said second station being connected for energization by the carrier frequency output of said deriving and converting means at said second station for converting into unmodified carrier frequency current, each of said lines connecting said transmitting modulating means of one said station to said receiving demodulating means of the other said station, a phase adjuster at said first station having its input connected to said generator, phase difference responsive demodulating means at said first station having one input connected to the output of said phase adjuster and having its other input connected to the output of said deriving and converting means at said first station for converting into unmodified carrier frequency current, and being adapted to deliver output direct current which is a function of the difference of phase of its two inputs, telegraph receiving means at each said station connected to the output of said receiving demodulating means at said station, control relay means at said first station connected for actuation by the ouput of said phase difference responsive means, pulsing relay means at said first station having a controlled contact connected in series in the output line of said transmitting demodulating means at said first station, first interlocking relay means connected for actuation by said control relay means and adapted when actuated to open the circuits of said transmitting keying means to said modulating means and of said telegraph receiving means at said first station and also to actuate said pulsing relay means, master relay means at said second station, a rectifier and a low-pass filter at said second station connected between the output of said receiving demodulator at said second station and the actuating winding of said master relay means, and second interlocking relay means connected for actuation by said master relay means when in deenergized condition and adapted to open the circuits of said transmitting keying means and said telegraph receiving means at said second station, whereby a momentary opening and immediately subsequent reclosing of either of said lines maintains the original correspondence of polarity of keyed signals from a keying means at one said station and the telegraph receiving means at the other said station.

2,471,334
PAPER CUTTER
Henry H. Levin, Newark, N. J.
Application October 20, 1947, Serial No. 780,889
5 Claims. (Cl. 30—287)



1. A utility tool comprising a handle; an elongated flat bar extending rigidly therefrom; a double-edged thin detachable cutting blade mounted immovably on said bar adjacent its extremity; a guard pivoted to said bar and having a notch in its rear end, a latch axially slidable in an elongated slot in said bar; and a spring urging said latch forwardly to normally retain it in said notch and thereby maintain said guard in alignment with said bar to cover both cutting edges of said blade; said latch being adapted to be finger-pressed to the rear out of said notch to permit said guard to swing either to the right or left to expose the tip of either edge of said blade.

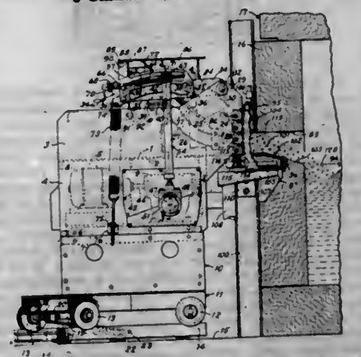
2,471,335
AUTOMATIC ROPE LOCK
Max Lomner, New York, N. Y.
Application October 5, 1946, Serial No. 701,570
1 Claim. (Cl. 24—136)

In a rope lock having a main member formed with an elongated opening and having end walls at the ends of the opening with an eye member mounted on one of the end walls for the attachment of the end of a piece of rope and the main member having its side walls formed with aligned elongated slots on opposite sides of the elongated opening and closely adjacent the other end wall thereof, a pin extended across the elongated opening and having its ends slidable in the aligned slots for movement toward and away from the other end wall of the main member, a knurled roller on the elongated pin within said opening to have the free end of a second rope passed through the elongated opening on the side of said roller opposite the other end wall and engaged about said roller and then passed back through the elongated opening between said roller and the other end wall, whereby a pull on the ropes in opposite directions will move said



knurled roller toward the other end wall securely clamping the end of the second rope between the other end wall and said knurled roller, and a U-shaped member engaged about the end of the main member at the other end wall thereof and having its side arms extending along the side walls of the main member, said pin having its ends projected beyond the side walls of the main member and connected to the free ends of the side arms of said U-shaped member for moving said pin and said knurled roller longitudinally of the main member within the limits of the aligned slots against the normal action of the pull on the ropes to free the end of the second rope, said knurled roller being rotative on said pin to function as a pulley in the loosened condition of the second rope.

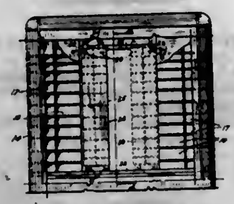
2,471,336
APPARATUS FOR FEEDING BATCH TO GLASS MELTING FURNACES
Edward H. Lorenz, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application August 28, 1945, Serial No. 613,095
3 Claims. (Cl. 214—23)



1. A batch feeder comprising a chamber adapted to receive a continuous supply of batch and

having a forward end portion provided with an outlet, a shaft extending transversely across and above said chamber, an arcuately curved batch pusher mounted to oscillate about the axis of said shaft in the batch in said chamber toward and away from said outlet, the axis of the curvature of said pusher coinciding with the axis of said shaft, a transverse wall in said chamber having an aperture in its lower portion through which the pusher oscillates, a packing on said transverse wall around said aperture and in wiping contact with the surface of the oscillating pusher, a lever on each side of the pusher and fixedly connected thereto, each lever having an arcuate slot therein, a shaft extending below said chamber in a direction transverse thereof, a crank on each of the opposite ends of said second-named shaft, means for rotating the second-named shaft about its axis, a connecting rod comprising an upper section and a lower section telescopically associated with each other and a compression spring acting on said sections to resist separation of said sections, said compression spring being arranged to yield if the pusher encounters an obstruction, the lower section of said connecting rod being mounted on the crank at a side of the pusher and the upper section of the connecting rod being adjustably connected with the slotted portion of the corresponding lever, there being a connecting rod at each of the opposite sides of the pusher, and a vertically disposed coil spring at each of the opposite sides of the pusher, each coil spring being attached at its upper end to the free end of said slotted lever and at its lower end to a fixed support so as to be under tension and to urge said pusher on its forward stroke.

2,471,337
AUTOMOTIVE PARTS TRUCK
Henry Luby, Denver, Colo.
Application September 7, 1948, Serial No. 48,037
3 Claims. (Cl. 296—24)



1. A vehicle for the storage and transportation of small parts, comprising: an automotive truck chassis; a relatively large, rectangular, enclosed body mounted on the chassis; a plurality of side doors hinged in the body in closely spaced relation along both sides thereof; a relatively large rear door hingedly mounted in the middle of the back of the body; a plurality of outside shelf cases, there being one outside shelf case mounted inside of each of the side doors; an inside shelf case mounted immediately inside of each outside shelf case so as to face inwardly into the body to form sides on a longitudinally extending central aisle-way in the body, said rear door providing access to said central aisle-way; guide means extending transversally of said body between said inside shelf cases and across said aisle-way; and movable shelf cases mounted on said guide means so that they may be moved to either side of said aisle-way.

2,471,338
INTERCHANGEABLE EYE LENS FRAME
Peter J. Massaro, New York, N. Y., assignor to Isidore F. Fishman, New York, N. Y.
Application December 29, 1945, Serial No. 638,047
2 Claims. (Cl. 88—47)

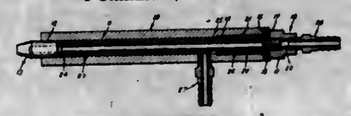


1. In an eyeglass frame having a semi-circular mount engaged about the bottom of a lens and continuing at one side into a nose-bridge, a narrow arcuate upper portion continuing from the top ends of the mount and extending across the upper periphery of the front face of the lens and spaced therefrom, a lock member pivotally attached at one end to the mount on the side remote from the nose-bridge for extension across the upper portion of the lens between the ends of the mount, and means holding said lock member releasably in its operative position across the upper portion of the lens, said lock member being of inverted U-shaped cross-section to seat over the top edge of the lens behind said arcuate upper portion with its top face flush with the upper edge of said arcuate upper portion.

2,471,339
LONG-CHAIN AMINE SALTS AS FUNGICIDES AND BACTERICIDES
Arthur Minich, Westfield, N. J., and Milton Nowak, Brooklyn, N. Y., assignors, by direct and mesne assignments, to Nuodex Products Co., Inc., Elizabeth, N. J., a corporation of New Jersey
No Drawing. Application June 6, 1946, Serial No. 674,940
2 Claims. (Cl. 167—22)

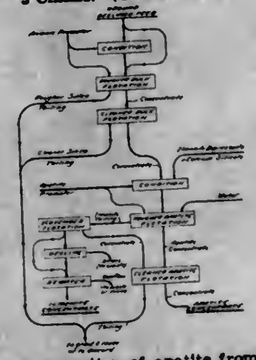
1. A microbicidal agent comprising: the reaction product of dodecylamine approximately 65%, lactic acid approximately 16% and salicylic acid approximately 19%.

2,471,340
ELECTRODE HOLDER
Robert F. Morrissey, South Britain, Conn.
Application August 6, 1948, Serial No. 42,899
6 Claims. (Cl. 219—4)



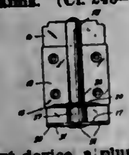
1. In a welding electrode holder, a hollow elongated body having a tapered socket opening through one end to receive a tip, said body internally threaded through its other end, a head including a portion of a diameter over-lying the said other end of said body and an externally threaded stem threaded into said internally threaded end of the body, a tube extending longitudinally in said body and at one end lying adjacent said socket and at its other end threaded into said stem, a lock nut threaded onto said tube and abutting the inner end of said stem and securing said parts together against casual relative movement, said head having a passage therethrough communicating with said other end of said tube, said head and stem rotatable relative to said body to further thread the stem into the latter and force said tube against a tip to eject the latter from the socket, means between said head and the said other end of said body and forming a seal between said parts to prevent the escape of water from between them, and said means adapted for compression to permit of said further threading of the stem into the body to eject the tip by a thrust from said tube and then adapted for expansion to yet comprise a seal on reversal of said movement to retract the tube to permit of the mounting of another tip in said socket.

2,471,341
FROTH FLOTATION OF APATITE USING CALCIUM SILICATE
Samuel Payne Moyer, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application December 20, 1945, Serial No. 636,200
3 Claims. (Cl. 209—167)



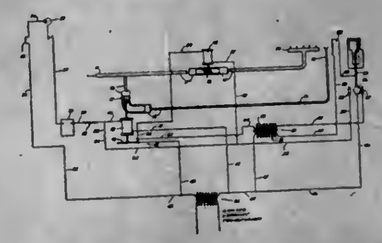
1. In the separation of apatite from mixtures thereof containing at least one titanium-bearing oxide mineral, the improved procedure which comprises forming an aqueous, substantially slime-free, pulp of the mixture, conditioning the aqueous pulp with sodium silicate, an alkali, and calcium silicate, subjecting the conditioned pulp to froth flotation in the presence of an anionic promoter for the apatite, and collecting the resultant flotation concentrate as an apatite concentrate.

2,471,342
BRACKET
Arthur E. Nelson, University City, Mo.
Application June 25, 1945, Serial No. 601,485
7 Claims. (Cl. 248—289)



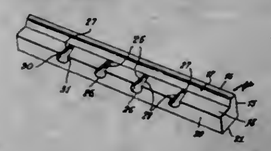
1. In a bracket device, a plurality of L-shaped bracket elements the backs of which are secured together to provide two spaced shelves projecting therefrom, a pin secured in both of said shelves and projecting upwardly therefrom, and a cover member removably secured over said bracket elements, said cover member having a hole through which the pin projects.

2,471,343
CONTROL SYSTEM
Eric P. Newman, Clayton, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation, a corporation of Missouri
Application January 6, 1945, Serial No. 571,624
12 Claims. (Cl. 158—117.1)



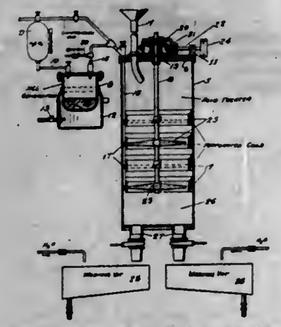
1. In a fuel control for use with main and pilot burners, a main valve, a pilot valve, an external control, a pilot flame combustion switch closed in response to combustion at the pilot burner, means responsive to operation of the external control for opening the pilot valve, a pilot switch means closed by opening of the pilot valve, means including the pilot switch means and the combustion switch in closed position responsive to existence of pilot flame for opening the main valve, and electrical means energized upon closure of the combustion switch to prevent initial closure of the pilot switch means when the combustion switch is in closed position.

2,471,344
LINGUAL MOLD BAR FOR DENTAL MOLDS
Irving Neustadter, Brooklyn, N. Y.
Application May 29, 1948, Serial No. 30,011
2 Claims. (Cl. 18—34.1)



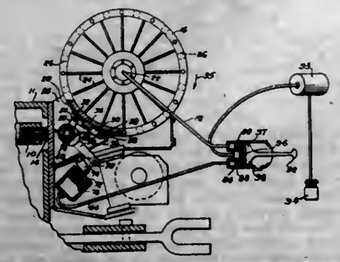
1. A dental mold for molding artificial teeth, said teeth having smooth peg-shaped lingual portions of the character described, said mold being a multi-part mold including two complementary parts having recesses for forming the labial and occlusal portions of the teeth, a machined lingual mold bar in said mold having smooth peg shaped cavities which are exactly alike, said cavities opening into the recesses aforesaid for forming smooth lingual peg shaped portions of the teeth, said lingual mold bar having an upstanding wall extending the length of the bar, said wall having an angularly inclined surface facing said recesses in molding association therewith.

2,471,345
METHOD OF OBTAINING CONCENTRATES OF URANIUM AND VANADIUM FROM THEIR ORES
Ralph D. Nye and Dana J. Demorest, Columbus, Ohio
Application February 10, 1944, Serial No. 521,840
5 Claims. (Cl. 23—14.5)



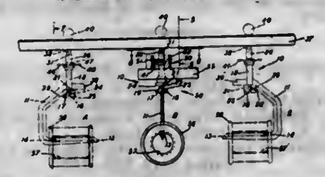
1. In a process for producing concentrates from uranium and vanadium-containing ores, the steps which comprise agitating a crushed finely divided water-dampened body of such ores in a confining receptacle, introducing into said receptacle for intimate engagement with said ores a dry hydrochloric acid gas in a heated state, maintaining the ores within the receptacle at such temperatures as to cause the gaseous hydrochloric acid to be absorbed in the moisture present on the damp surfaces of the crushed ore grains and forming a highly concentrated aqueous hydrochloric acid solution, there being insufficient water present during said reaction to form any continuous liquid or acid solution phase from which the acid gas may be evolved, and thereafter separating from said ores by a washing operation a hydrochloric acid solution of uranium and vanadium.

2,471,346
BRAKE MOUNTING AND CONTROL
Oscar R. Peterson, Oakland, and Robert A. Peterson, San Leandro, Calif.
Application November 19, 1945, Serial No. 629,342
9 Claims. (Cl. 188—77)



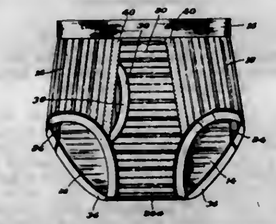
1. A brake comprising a drum, a housing disposed adjacent said drum, a brake band disposed about said drum, lugs secured to each end of said band, a fixed stop secured to said housing and engaging one of said lugs, a movable stop engaging the other lug, means securing said movable stop for pivotal movement toward and away from the associated lug, spring-loaded means normally bearing on said movable stop to urge the adjacent end of the brake band against the drum, and means for moving said movable stop out of engagement with the associated lug to permit said brake band to be displaced axially from said drum.

2,471,347
CONVEYER
Vincent A. Rayburn, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 21, 1945, Serial No. 636,401
2 Claims. (Cl. 198—177)



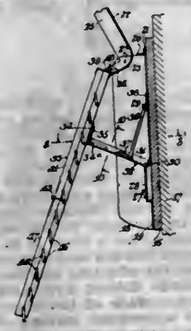
2. A conveyer, which comprises a conveyer chain, means for guiding the chain along a predetermined path, a shaft pivotally secured to the conveyer chain, a hook, a sleeve rotatably and slidably mounted on the shaft for supporting the hook, a cylindrical cam having a pair of diametrically opposed lobes formed thereon and positioned on the bottom of the rod for securing the sleeve upon the rod, said cylindrical cam also being provided with depressions positioned between the lobes, a second cylindrical cam secured to the sleeve for intermeshing with the first-mentioned cylindrical cam to lock the sleeve in either of two positions spaced 180° apart, said cams having no dwell portions so that said second cylindrical cam falls automatically into mesh with the first-mentioned cylindrical cam if it is moved out of intermeshing engagement therewith, a four-lobe pinion secured to the sleeve, and a rack positioned in the path of the pinion for rotating the pinion to rotate the sleeve and move the second cam out of intermeshing engagement with the first-mentioned cam.

2,471,348
GARMENT
Harriet L. Redmond, Boston, Mass., assignor to The William Carter Company, Needham Heights, Mass., a corporation of Massachusetts
Application November 9, 1946, Serial No. 708,882
5 Claims. (Cl. 2—224)



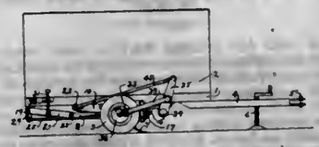
1. A garment of the type described comprising a waistband, side panels of knit fabric joined to said waistband and having the wales thereof extending vertically to provide circumferential stretchability to the garment in the areas of the side panels, a rear panel of knit fabric joined to said waistband, joining said side panels across the back of the garment and having the wales thereof extending laterally to provide vertical stretchability to the garment in the area of the rear panel, a central panel joined to the waistband in front and extending downwardly between said side panels and through said crotch and being joined to said rear panel along a line of stitching disposed rearwardly of said crotch, said central panel comprising two layers of knit fabric, one of said layers having the wales disposed in crossed relation with the wales of the other layer and both of said layers being stitched to said waistband and to said side and rear panels.

2,471,349
NECKTIE RACK
Frank Reiss, Philadelphia, Pa.
Application November 30, 1946, Serial No. 713,270
12 Claims. (Cl. 211—99)



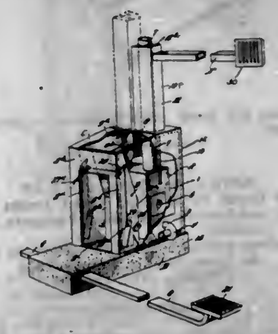
8. A necktie rack comprising a back panel, forwardly projecting sides mounted on the back panel in spaced relation, a cover pivotally hinged to said sides at the forward upper portions thereof, an inturned extension on the upper end of said cover and rotatable within the space between the sides and the back panel, a hinge plate mounted on the back panel, a brace slidably connected at its inner end to said plate, a hanger hinged to said plate and slidably connected to the brace, and an arm structure hinged to the cover extension and to the outer end of said brace, said arm structure having article holding means thereon.

2,471,350
PICKUP HAY WAGON
William H. Rodefeld, Richmond, Ind.
Application January 27, 1947, Serial No. 724,506
6 Claims. (Cl. 214—79)



1. In a machine to take up hay and similar material a set of forwardly extending teeth arranged to pass under material as the machine moves forward and arranged to rise with the said material, a plurality of pushers arranged to move forward between the said teeth when raised and with the pushers arranged to move beyond the ends of the teeth and into a passage to a compartment.

2,471,351
DUAL HOT-AIR HEATER UNIT FOR FIREPLACES
Robert D. Russell, St. Petersburg, Fla.
Application October 18, 1948, Serial No. 704,256
5 Claims. (Cl. 126—121)

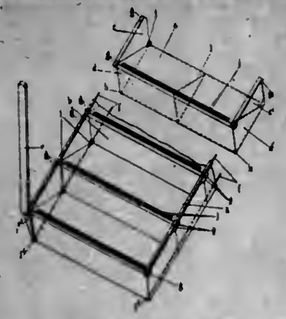


1. A dual heater unit adapted to be installed within the fireplace area of a home, said unit comprising an open-front fireplace shell having end walls and a back wall, a casing located rearwardly of the back wall of the shell and containing a burner, and a housing enclosing said casing and the end and back walls of the shell in spaced relation thereto, a conduit leading from adjacent the top of the shell to the exterior of the housing for the removal of combustion products from the shell, a flue extending outwardly from the casing through the housing for the removal of combustion products from the casing, said housing being open at its bottom to provide openings for the admission of air through the space between the corresponding end walls of the shell and housing, a warm air outlet in the housing adjacent its upper end, deflectors adjustably mounted between the said end walls adjacent the air-admission openings for directing the air into and out of heat-exchange relation with the end walls of the shell, and control means for adjusting said deflectors.

2,471,352
CONSTRUCTION OF STAIRCASES
Otto Safir, Beaconsfield, England
Application February 18, 1946, Serial No. 648,262
In Great Britain September 29, 1945
4 Claims. (Cl. 189—43)
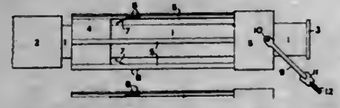
1. A staircase comprising a number of step units cast in aluminium alloy, each unit consisting of a horizontal portion forming the tread, a riser, and at each end two triangular webs corresponding to parts of the usual stringer beam, one above and the other below the tread, in combination at each end with two rods by which the said units are assembled to form a flight of the required length, the one rod running parallel to

and near the upper edge of the web lying above the tread and the other rod running parallel to



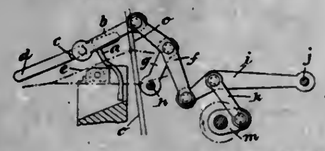
and near the lower edge of the web lying below the tread.

2,471,353
LINE-CARRYING ROCKET
Conrad David Schermuly, Alfred James Schermuly, and Charles Schermuly, Parkgate, Newdigate, England
Application September 4, 1946, Serial No. 694,682
In Great Britain July 17, 1946
3 Claims. (Cl. 102—89)



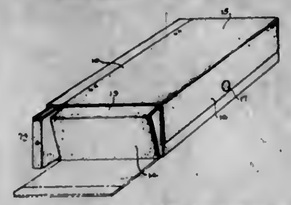
1. A line-carrying rocket comprising a casing, a band slidable on said casing, bars secured to said band and extending rearwardly thereof, a cylindrical band secured to the rear ends of said bars, said band, bars and cylindrical band constituting a sliding tail, and a stirrup, adapted for the attachment thereto of a line, secured to said cylindrical band.

2,471,354
LOOM BEAT-UP MECHANISM
Derrick Walter Shimwell, Rowsley, England
Application August 20, 1946, Serial No. 691,746
In Great Britain August 21, 1945
1 Claim. (Cl. 139—191)



A beat-up mechanism for a narrow ware loom, comprising a reed having a straight top part and a lower part the end of which extends at an angle to the top part, a link at each side of the loom, said link carrying the reed, means for guiding one end of each link in a path substantially parallel to the upper row of warp threads in the shed, a lever pivoted at one end to the other end of each link, a pivotal support, turning about a fixed point, for an intermediate point of said lever, a second lever pivoted to the other end of said lever at one end and turning about a fixed point at its other end, and a crank pin connected with said second lever, the arrangement being such that the link and levers are substantially in line at the beat-up position of the reed, and the reed has a substantially circular movement while the crank pin moves through a considerable arc about its back dead centre position relatively to the second lever.

2,471,355
RAZOR HONING AND STROPPING MECHANISM
Charles Romano and Frederick Schmid, Philadelphia, Pa.
Application November 20, 1946, Serial No. 711,160
5 Claims. (Cl. 51—65)



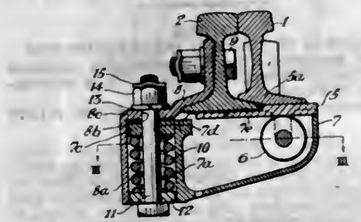
1. In a razor sharpening apparatus, in combination, a stationary base having a pair of laterally spaced, parallel tracks, a shift plate mounted for reciprocable movement in a horizontal plane along said tracks, said shift plate being provided upon opposite faces thereof with stropping and honing surfaces and being reversible to present either of said surfaces uppermost for reciprocation in the same horizontal plane, an oscillatable support for a blade to be sharpened, means interposed between said blade support and said shift plate for effecting relative movement between the blade cutting edge and said shift plate while one surface of the blade is in contact with said uppermost surface of the shift plate, and means for reversing said relative movement to present the opposite face of the razor blade in contact with said uppermost surface of the shift plate.

2,471,356
MILL FOR CUTTING FEATHERS
Thomas Slick, San Antonio, Tex.
Application May 19, 1945, Serial No. 594,849
12 Claims. (Cl. 19—4)



1. A mill for cutting feathers and materials of similar nature, which comprises in combination a casing, a rotary cutting wheel mounted in said casing, a hopper mounted above said casing for receiving the material to be comminuted provided at the bottom with a feeding slot communicating with said casing, a feeding wheel mounted at the bottom of said hopper, agitating blades mounted on said feeding wheel adapted to agitate said material and tending to force the material to be comminuted through said feeding slot, a cutting bar mounted along one edge of said slot, a plurality of cutting blades having outer cutting edges mounted on said cutting wheel and cooperating with said cutting bar to cut material passed through said feeding slot, a cylindrical shield extending between said cutting blades spaced immediately adjacent and not over ½ inch below said cutting edges and adapted to check the feathers passing through said feeding slot and to hold them adjacent said cutting bar, means for exhausting air and comminuted product from said casing mounted substantially at right angles to said feeding slot in the direction of travel of said cutting blades and means for rotating said cutting wheel and said feeding wheel.

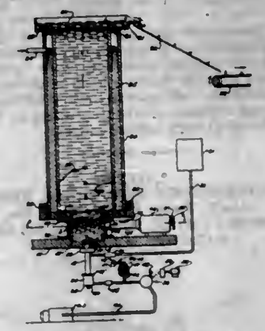
2,471,357
RAILWAY SWITCH
Harry R. Smith, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 16, 1946, Serial No. 683,885
1 Claim. (Cl. 246—438)



The combination with a railway switch comprising a track rail and a switch point movable toward and away from the rail, of a spring bracket secured to the outer side of the rail and provided with a laterally projecting portion terminating in a depending portion having curved ends, two spring bolts extending with clearance through holes provided in said laterally projecting portion and provided above said laterally projecting portion with nuts, a spring plate mounted on the lower end of said bolts, coil springs surrounding said bolts between said spring plate and said laterally projecting portion, a rigid cantilever member extending underneath said switch point and said switch rail and provided at its outer end with a lip having formed therein holes that receive said bolts between said springs and said laterally projecting portion and with a vertical portion which cooperates with said depending portion to form a housing for said springs, a roller journaled in the inner end of said cantilever member, and a roller plate secured to the under side of said switch point and extending underneath said rail and riding on said roller, said adjusting nuts being adjusted to compress said springs sufficiently to cause said roller to partially support said switch point.

2,471,358
CAPSULATING METHOD AND APPARATUS
Vernon V. Stephenson, Seattle, Wash.
Application November 22, 1946, Serial No. 711,702
6 Claims. (Cl. 18—1)

1. Capsulating apparatus comprising receptacle means containing a body of liquid capsulating material, a conduit in connection with the bottom part of the receptacle means for the supply thereto of liquid content substance, valve means comprising a valve seat in the conduit adjacent said receptacle means and a spring loaded valve body cooperating with said seat and normally preventing discharge from said conduit, said valve body being magnetic, a coil with respect to which said valve body is arranged as an armature, an energizing circuit for said coil and a normally open switch therein, a source of content substance, a pump having its intake side in connection with said source and its output side in connection with said conduit, expansible chamber means associated with said pump for the operation thereof, expansible chamber means for operating said switch, a source of air under pressure, a control valve in connection with said air source and both of said expansible chamber means, means for operating said control valve for the intermittent supply of air to both of said expansible chamber means, and choke means between said control valve and the expansible chamber operating means for the pump.

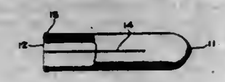


2,471,359
TIRE CASING REPAIR DEVICE
Nichols Stevens, Chicago, Ill.
Application January 30, 1946, Serial No. 644,342
3 Claims. (Cl. 152—369)



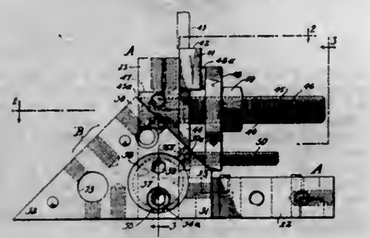
3. In a repair device for tire casings, a washer arranged to be placed on the inner face of a tire casing, means to clamp the washer on the tire casing, said washer having a curled edge, a cap having resilient rims engaging the inner sides of the open curled edges, and a pliable pad, having split rivets formed with flaring heads seating in holes formed in the washer.

2,471,360
PROSTHETIC DEVICE
Cyril J. Thorne, Los Angeles, Calif.
Application February 10, 1947, Serial No. 727,707
9 Claims. (Cl. 128—79)



1. A prosthetic apparatus of the character stated comprising: a hollow, virtually cylindrical thin-walled sheath provided with a rounded, closed end portion and an open end, said sheath being normally of cartilaginous strength and rigidity but capable of disintegrating in the presence of fluids at body temperatures.

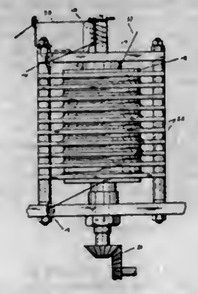
2,471,361
MACHINIST'S UNIVERSAL VISE
Otto F. Trefz, Philadelphia, Pa.
Application July 18, 1945, Serial No. 605,805
9 Claims. (Cl. 90—59)



2. A machinist's universal vice, comprising a work-holding plate, a cooperating foot plate, a circular opening in the foot plate having an internal shoulder, a disk crank rotatable in said opening and adapted to seat on said shoulder, a shouldered aperture in said disk crank, a threaded hole in an edge of the holding plate, and a headed clamping bolt having its shank threaded to fit the threads in said holding plate hole, whereby the holding plate and the foot plate may be adjusted as to their relative angularity in the plane of the foot plate and then clamped together.

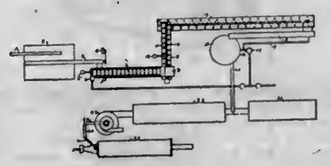
2,471,362
FEEDING APPARATUS FOR YARN OR THE LIKE
René Vin, Paris, France, assignor to Société Etablissements Poron, Troyes (Aube), France
Application February 8, 1940, Serial No. 317,923
In France April 7, 1939
7 Claims. (Cl. 28—71.5)

1. In a feeding apparatus for yarn or the like, the combination of a rotatable cylinder, mounted on a driving shaft, on which the yarn is caused to make a number of coils; a frame supporting said shaft; supporting plates rigid with said frame and surrounding said cylinder; means for guiding each coil of yarn from one side of a supporting plate to the other side; a second cylinder mounted on the same driving shaft, said second cylinder having a smaller diameter than the first cylinder; means adapted to guide the yarn from the output of said first cylinder to the input of said second cylinder; and an apertured device adapted to



guide and support the coils of yarn round said second cylinder.

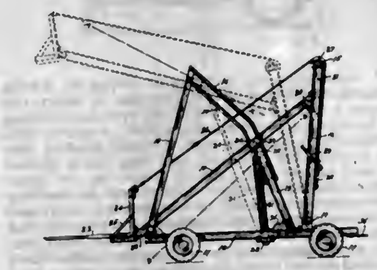
2,471,363
PROCESS OF MAKING FOOD PRODUCTS
Daniel Boscawen Vincent, Tampa, Fla., assignor to Dan B. Vincent, Inc., Tampa, Fla., a corporation of Florida
Application November 27, 1945, Serial No. 631,072
15 Claims. (Cl. 99—2)



1. The method of producing a bulky, highly absorptive food product from citrus cannery waste material which comprises completely coating the individual pieces of untreated citrus cannery waste with a weak aqueous solution of a non-toxic alkaline compound of sufficient concentration to neutralize the free acids of the citrus juices associated with the waste but of insufficient concentration and duration of time to materially react upon the pectins in the waste, quickly shredding the coated waste material, immediately thereafter rapidly mixing the shredded waste material in the presence of a sufficient aqueous non-toxic alkaline solution to neutralize newly released acids and form a gel, continuously and uniformly moving the gelled mass for a predetermined time to permit breaking the gel into a watery mother liquor and pulpy solids to a point where the mother liquor drains freely therefrom and thereafter drying the partially expressed solids.

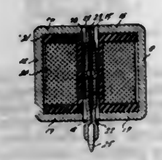
2,471,364
HAY STACKER
Jonah C. Weber, Lamar, Colo.
Application July 14, 1947, Serial No. 760,739
3 Claims. (Cl. 214—139)

1. A stacker and loader comprising: a wheeled frame; A-shaped frame rising vertically from each side of said wheeled frame; a front leg in each A-frame; a back leg in each A-frame; a parallel track member forming the upper extremity of each back leg; a pair of swinging booms hingedly mounted on said wheeled frame rearwardly of said A-frames and extending upwardly; rake arms hingedly mounted at their rearward extremities on said swinging booms and extending normally forward and downward therefrom; a rake device carried on the forward extremities of said rake arms; rollers carried by said rake arms intermediate their extremities and traveling in said track members; means for raising and lowering said rake arms; rigid projecting portions on said swinging booms extending above the hinge



mountings of said rake arms; a cable sheave carried at the upper extremities of said projecting portions; a strut extending upwardly from said rake member, said strut being substantially equal in length to said projecting portions; a flexible member extending from the upper extremity of said strut over said cable sheave; and releasable means attaching the rearward extremities of said flexible cables to said swinging boom.

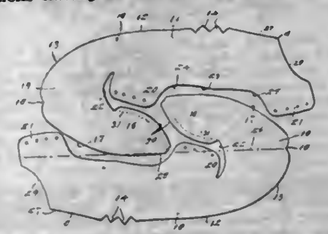
2,471,365
ARMATURE STRUCTURE FOR ELECTRO-MAGNETIC APPARATUS
Palle-Finn Beer, Lidingo, Sweden, assignor, by mesne assignments, to Electrical Fono-Films Co. A. S., Copenhagen, Denmark, a corporation of Denmark
Application April 13, 1945, Serial No. 588,234
In Sweden May 12, 1944
9 Claims. (Cl. 175—339)



1. In an electro-magnetic device, a fixed structure including permanent magnet means provided with two spaced air gaps, an armature extending between both of said air gaps, and a plate spring for movably supporting said armature, said spring being secured to said armature in the vicinity of one of said air gaps and to said fixed structure in the vicinity of the other air gap.

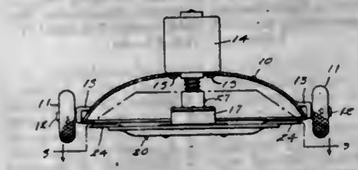
2,471,366
BLANK FOR SHOE UPPERS
Erminio Cassano, Framingham, Mass.
Application September 23, 1946, Serial No. 698,790
3 Claims. (Cl. 36—48)

1. A shoe upper blank comprising an elongated sheet having a longitudinal edge disposed on a long convex curve for the major portion of the length thereof and terminating at the forward end thereof in a sharp curve, a rearwardly extending member on the forward end of said sheet having an outer convex curve complementary to said first mentioned sharp curve, a pair of longitudinally spaced inwardly extending lacing portions on said sheet, one of said lacing portions being disposed immediately adjacent said forward end, the edge of said sheet between said lacing portions having an intermediate convex curva-



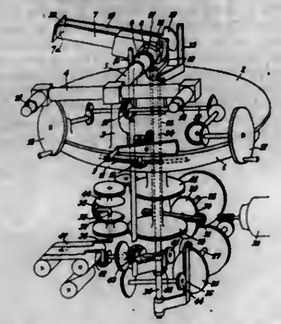
ture and merging concave outer curvatures, and said sheet having a concave cut out at the inner portion of the vamp adjacent the forward lacing portion and extending across the median line of the vamp portion a substantial distance at each side thereof whereby the inner edge of the vamp will be disposed a substantial distance forwardly of said quarters in the complete shoe.

2,471,367
LAWN MOWER
James D. Cavaness, Arlington, Tex.
Application October 1, 1945, Serial No. 619,460
2 Claims. (Cl. 56—25.4)



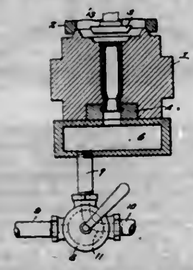
1. In a power lawn mower having a source of power, a shaft rotatable by said source of power, and a rotatable cutting member; coupling means for yieldably and rockably mounting said cutting member on said shaft for rotation therewith at substantially right angles to the axis thereof, said coupling means comprising fastening means forming a shoulder on the end of said shaft, a first element slidably carried by said shaft, a second element fixed to said cutting member and loosely engaging said shaft between said first element and said fastening means, one of said elements being formed with a flat surface and the adjacent surface of the other of said elements being convex, means fixed on said second element engaging said first element for rotation therewith, and a clutch member rotatable with said shaft and adapted to frictionally engage said first element.

2,471,368
GUNFIRE CONTROL TRAINING APPARATUS
Gunnar Ekström, Stockholm, and Paul Wilhelm Dietmann, Jonkoping, Sweden, assignors to Arenco Aktiebolag, Stockholm, Sweden, a Swedish joint-stock company
Application November 27, 1944, Serial No. 565,296
In Sweden September 7, 1942
15 Claims. (Cl. 35—25)



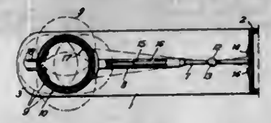
4. An apparatus for training in laying a gun, comprising in combination, a target pointer mounted to swing about an axis, a cam-operated driving device operatively connected with said target pointer for imparting a predetermined movement thereto, a tracking pointer mounted to swing about said axis in the proximity of said target pointer, a setting mechanism in driving connection with said tracking pointer, and recording device including a stylus operatively connected through a differential gear with said driving device and said setting mechanism so as to record the movement of said tracking pointer relatively to that of said target pointer.

2,471,369
METHOD OF MAKING PARISONS
Charles B. Garwood, Linthicum Heights, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application June 26, 1944, Serial No. 542,171
4 Claims. (Cl. 49—80)



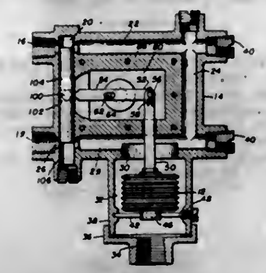
1. The method of producing a parison which includes the steps of subjecting a partially formed blank to a blow-back to expand the blank against the inner surfaces of the cavity in a parison shaping structure and to the shape of the cavity in said structure, and immediately thereafter subjecting the parison to suction to collapse it and disengage it from surfaces of said structure before removing said structure from the parison.

2,471,370
MENDING OF STOCKINGS IN SEWING MACHINES
Fritz Gegauf, Steckborn, Switzerland, assignor to Fritz Gegauf's Sohne Aktiengesellschaft, Steckborn, Switzerland
Application December 7, 1944, Serial No. 566,998
In Switzerland July 31, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 31, 1963
4 Claims. (Cl. 112—121)



1. Apparatus for mending stockings on sewing machines provided with a free arm in which the looper is located and over which arm the stocking to be mended is drawn comprising, a carrier arm supported by said free arm, a closed holding ring for holding the stocking, said ring being carried by said carrier arm support means on the upper side of the free sewing machine arm for limiting the lateral movement of the holding ring, and an internal spreading clamping ring for clamping the stocking in the closed holding ring, said carrier arm comprising two telescopic parts which are adjustable with respect to each other in a longitudinal direction.

2,471,371
AUTOMATIC WATER TEMPERATURE CONTROL
James Randolph Hassell, South Dos Palos, Calif.
Application April 9, 1947, Serial No. 740,285
2 Claims. (Cl. 236—12)



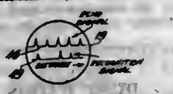
1. An automatic water mixing valve including a casing having a base, spaced hot and cold water inlets, a valve plunger slidably mounted in said casing with the ends thereof adapted to simultaneously and oppositely vary the opening of said inlets, a common outlet communicating with said inlets, and a thermostat in said outlet operatively connected with said valve plunger by a lever pivotally connected to said thermostat and to said plunger, said lever having an aperture intermediate its ends, and a shaft extending through a watertight connection to the exterior of said casing, said shaft having a pivot pin eccentrically disposed on its inner end and receivable in said aperture, whereby said lever may be shifted to vary the position of the plunger.

2,471,372
PLIERS WITH DETACHABLE END JAWS
Ivan Jankovich, Kenosha, Wis.
Application September 26, 1945, Serial No. 618,714
1 Claim. (Cl. 81—52)



Pliers comprising members pivoted to each other and having rearwardly extending handles and forwardly extending arms, the arms being solid and having forward portions spaced from each other and formed with longitudinally extending threaded sockets leading from their front ends, jaws at front ends of said arms cooperating with each other to form an annular nut-receiving socket having a bolt receiving opening at the center, each jaw having a solid arcuate body and a forwardly extending flange along its outer marginal edges, said jaws being disposed transversely of the arms with portions projecting from opposite sides thereof and each having its body formed midway its ends with an opening registering with the threaded socket of the arm against which the jaw fits, and screws passed through the openings of the jaws and screwed into the threaded sockets to firmly hold the jaws against front ends of the arms in detachable engagement therewith.

2,471,373
PULSE ECHO RECOGNITION SYSTEM
Archibald A. Joyner, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 30, 1942, Serial No. 460,291
4 Claims. (Cl. 343—13)



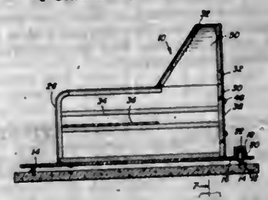
4. A pulse echo and pulse recognition system including means for radiating pulses of energy, means for receiving said radiated pulses after reflection from a craft remote from said receiving means and subject to challenge, cathode ray tube means connected to said receiving means for indicating along a time axis said received reflected pulses as a function of the distance of the reflecting craft, means on said remote craft responsive to said radiated pulses for delaying and retransmitting pulses from said craft in response to a challenge, means for receiving said retransmitted pulses, means for applying said received retransmitted pulses to said cathode ray tube for indicating them along a time axis to show which signals are responsive to said challenge by comparing the reflected signal indications and the recognition signal indications, and means for shifting the positions of the first and second pulse indications with respect to each other in the direction of the time axis to correct for displacement introduced by said delay in retransmission.

2,471,374
DRILL JACK
Samuel H. McAfee, Jr., Oakdale, Pa.
Application October 27, 1945, Serial No. 625,000
2 Claims. (Cl. 77—13)



1. A drill jack comprising an elongated rack bar having a longitudinal series of spaced transverse semi-cylindrical fulcrum members, an elongated attaching bar fixed to and extending forwardly from said rack bar and having an inverted hook on its forward end for engagement over a flange of a piece of work, said attaching bar being offset laterally with respect to the rack bar, and a vertical jack lever having a transverse pintle on its lower end selectively engageable in any desired one of the fulcrum members at the front of the latter.

2,471,375
BARBECUE PIT
Coy E. Moseley, Arlington, Tex.
Application January 28, 1948, Serial No. 4,878
5 Claims. (Cl. 126—25)

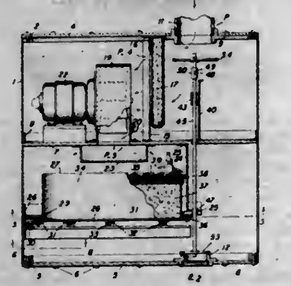


1. A sectional barbecue pit comprising in combination, a furnace jacket, longitudinal grill supporting means secured at various levels to the inner surfaces thereof, grills removably positioned on said supporting means, a chimney, means for removably securing said chimney to said jacket furnace, a flat plate, means for removably securing said flat plate to the back portions of said furnace jacket, a base plate, means for removably securing said furnace jacket to said base plate, and means secured to and beneath said base plate whereby the pit may be rotated to any desired position, said furnace jacket, said chimney, and said flat plate including a lining of fire clay and lugs secured to the inner surfaces of said furnace jacket, said chimney, and said flat plate for retaining said lining of fire clay.

2,471,376
APPARATUS FOR DEHUMIDIFICATION
Brice G. Peters, Baltimore, Md.
Application July 22, 1946, Serial No. 685,395
11 Claims. (Cl. 183—4.5)

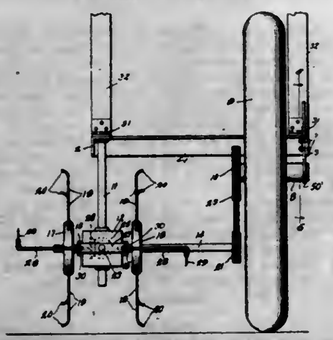
1. A dehumidification apparatus comprising a casing having top, side, and bottom walls, a

partition dividing the interior thereof into intake and discharge chambers, a second partition in the intake chamber having an opening therein, dividing the same into an inlet compartment and a blower compartment, a blower in the blower compartment adapted to deliver air drawn from the inlet compartment through said opening to the discharge chamber, a body of desiccant material in the discharge chamber through which the air is forced by the blower, two intake openings in the intake chamber, two openings in the discharge chamber, a pair of valve rods ex-



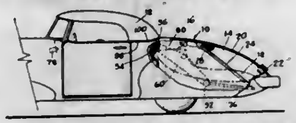
tending through the first mentioned partition aligned with said openings, a valve on each end of each rod, means connected to the rods to reciprocate the rods simultaneously in opposite directions, thereby to close the one intake opening and to open one discharge opening of one pair and to open the one intake opening and to close the discharge opening of the other pair, and means for actuating the last mentioned means to control the flow through said pairs of openings for air drying and for reactivation of the adsorbent, respectively.

2,471,377
COTTON CHOPPER AND CULTIVATOR
John V. Schug, Paragould, Ark.
Application February 13, 1946, Serial No. 647,292
4 Claims. (Cl. 97—12)



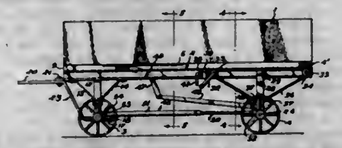
1. A cotton chopper and cultivator including a wheel supported main frame, spaced depending supporting arms attached to said main frame, a forwardly extending U-shaped angle frame pivotally attached to said depending arms, a vertically adjustable bracket on one leg of said angle frame, a stub shaft supported by said bracket, a ground engaging driving wheel on said stub shaft, a sprocket on said shaft being rotatable with said wheel, a gear box supported by the other leg of said angle frame, inter-connected right angularly extending shafts in said gear box, rotatable dirt loosening fingers on one of said shafts, a rotary cotton chopper on the other of said shafts, and a driving connection between said first mentioned shaft in the gear box and the sprocket upon said stub shaft.

2,471,378
SOLID CONVERTIBLE TOP
George E. Shilala, Los Angeles, Calif.
Application July 17, 1945, Serial No. 605,531
1 Claim. (Cl. 296—107)



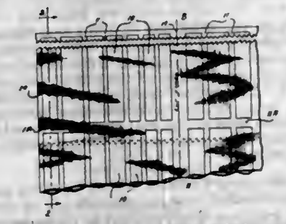
In a vehicle body, the combination with a compartment in the rear of said body, a cover hingedly connected to the rear of said body and mounted for opening and closing movement with respect to said compartment, and a top hingedly connected to said body and mounted for pivotal movement into and out of said compartment, of a means for causing opening and closing movement of said cover, said means comprising a first link having one end pivotally connected to said cover, a second link having one end pivotally connected to the other end of said first link, a gear secured to the other end of said second link, a reversible motor mounted in said vehicle body, means including a chain and sprocket operatively connecting said motor to said gear for actuating said first and second links to cause opening and closing movement of said cover, and means operatively connecting said motor to said top for causing pivotal movement of the latter, said last-named means comprising a plurality of spaced ears secured to said top, a horizontally-disposed rotatable shaft supported in said vehicle body and secured to said ears, a worm gear journaled on an end of said shaft, a rotatable inclined shaft supported in said vehicle body, a worm mounted on the upper end of said inclined shaft and arranged in meshing engagement with the worm gear on said horizontally disposed shaft, and a worm gear on the lower end of said inclined shaft operatively connected to said motor.

2,471,379
DUMP WAGON
Louie W. Smith, Fort Dodge, Iowa
Application August 31, 1946, Serial No. 694,210
6 Claims. (Cl. 296—17)



4. In a dump wagon including front and rear wheels, a frame supported at the front end thereof by the front wheels for swinging about the axis of said front wheels into downwardly and rearwardly inclined position to lower the rear end of the frame, means to mount the rear wheels on said frame for forward swinging thereon to permit said frame to swing into said position under the influence of gravity, a body hinged on said frame for swinging thereon into a downwardly and rearwardly inclined position, and means operative by the means first mentioned to swing said body, the means first mentioned comprising a pair of link bars pivoted on said frame at opposite sides thereof for swinging forwardly beneath the frame and having the rear wheels mounted thereon, and cable and pulley means for swinging said bars, the second mentioned means comprising a pair of body engaging rockers on said frame, and operating connections between said link bars and rockers.

2,471,380
METHOD OF WEAVING TEXTILE CONTAINERS
Alfred Wallwork, Charlotte, N. C., assignor to Carlyle Sales Corporation, Charlotte, N. C., a corporation of North Carolina, trustee
Application February 13, 1948, Serial No. 8,093
1 Claim. (Cl. 28—72)



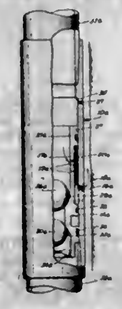
A method of making textile fabric containers comprising weaving fabric areas having varying widths of double thickness, joining the areas by a portion of single thickness along each longitudinal and transverse edge of the areas, forming an indicating line by omitting warp threads in the desired longitudinal portions of single thickness, severing the fabric longitudinally along the indicating line, and cutting a pinked edge in the fabric transversely along a line parallel to the transverse portion of single thickness to provide an open upper end and a lower end having a portion of single thickness.

2,471,381
SAFETY DEVICE FOR BLASTING CAPS
Joseph Yurick and Francis J. Yurick, Shamokin, Pa.
Application October 4, 1946, Serial No. 701,274
4 Claims. (Cl. 102—28)



1. A safety device for blasting caps adapted to be used with an explosive charge comprising a housing having an end closure with apertures therein, the said housing being provided with a recess adjacent said apertured end for receiving a priming charge, and the apertures being in communication with said recess, a seat extending longitudinally of the housing and merging with said recess, a detonating cap disposed within said seat, a channel communicating with and extending axially of said seat, electric conductors extending through said channel and being attached to said detonating cap for igniting said priming charge whereby fire from the primer escapes from said housing through the apertures for detonating the explosive charge.

2,471,382
WELL CEMENTING DEVICE
William S. Althouse, Jr., Alhambra, and Eugene Graham, Jr., Los Angeles, Calif., assignors to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Continuation of application Serial No. 434,912, March 16, 1942. This application April 21, 1945, Serial No. 589,508
4 Claims. (Cl. 166—1)

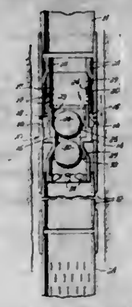


1. Apparatus of the character described, including a tubular member having ports and adapted to form part of a casing string, a shiftable tubular body having ports positioned within said member and provided with a medial portion of lesser external diameter than the diameter of the inner wall of said tubular member to form an annular chamber therewith, said medial portion containing said body ports, valve means within said chamber for preventing return passage of fluids from said chamber through said body ports to the interior of said body, means initially retaining said body in such position within said member as to prevent passage of fluids between said chamber and the ports of said tubular member, and means for shifting said body within said member to a position permitting passage of fluids between said chamber and tubular member ports.

2,471,383
WELL CEMENTING DEVICE
William S. Althouse, Jr., Alhambra, and Eugene Graham, Jr., Los Angeles, Calif., assignors to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Original application March 16, 1942, Serial No. 434,912. Divided and this application April 21, 1945, Serial No. 589,509
14 Claims. (Cl. 166—1)

1. Apparatus of the character described, including a ported tubular member adapted to form part of a casing string, a tubular body having ports within said member and provided with portions contacting the inner wall of said member and a medial portion between said wall contacting portions of lesser external diameter than the diameter of the inner wall of said tubular member to form an annular chamber communi-

cating with said tubular member ports, said medial portion having said body ports therein, valve means within said chamber for preventing return flow of fluids from said chamber through said body ports to the body interior, means having an



initial position preventing passage of fluids through said body ports, said preventing means being slidable along an inner wall of said body, and means for sliding said preventing means within said body and along its inner wall to a position opening said body ports.

2,471,384
FROTH FLOTATION OF SULFIDE ORES
Robert B. Booth, Springdale, and Roy A. Pickens, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 16, 1946, Serial No. 670,313
3 Claims. (Cl. 209—167)

1. In the beneficiation by froth flotation of a metallic sulfide mineral by means of a promoter selected from the group consisting of the xanthate, dithiophosphoric acids and dithiophosphate types, the improvement which comprises carrying out the separation in the presence of 0.01–0.50 lbs. per ton of a surface-modifying agent which comprises a salt of a lignin sulfonate.

2,471,385
ZINC BASE ALLOYS
Edward S. Bunn, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application June 10, 1943, Serial No. 490,326
4 Claims. (Cl. 75—178)

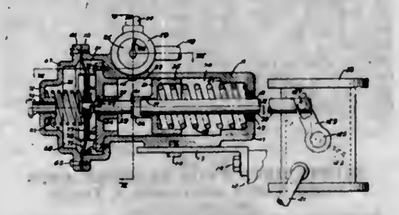
1. Workable alloys containing 0.4 to 5% copper, 0.03 to 0.25% silver, at least one metal of the group consisting of manganese, iron, nickel and cobalt but not less than 0.06% or more than 0.75% of metal of said group, the sum of the silver and metal of said group not exceeding one-third the amount of the copper, the balance being zinc.

2,471,386
POCKET AND METHOD OF MAKING
Robert E. Carter, Mount Holly Springs, Pa., assignor to C. H. Masland & Sons, Carlisle, Pa., a corporation of Pennsylvania
Application November 1, 1946, Serial No. 707,168
16 Claims. (Cl. 2—247)

14. In a pocket, a one-piece blank comprising a pocket front, having cut curved bottom corners, side flaps folded over upon the front, bottom tabs on the side flaps each having, when folded over, an edge extending diagonally of the pocket and an edge cooperating with the curve of the corner, a bottom extension from the pocket front folded over on the front on the same side as the side flaps, lateral flaps on the bottom extension each having, when folded over, an edge extending diagonally of the pocket and cooperating with the diagonal edge on the bottom tab and a curved edge cooperating with a curved bottom corner, in combination with stitching uniting the diagonal edges of the corresponding bottom tabs and lateral tabs, stitching uniting the pocket front to the corresponding bottom tabs and lateral tabs at the bottom corners and straps extending above and secured to the pocket at the lateral edges.

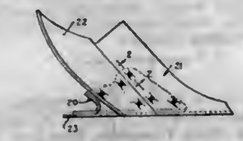


2,471,387
ENGINE PROTECTIVE DEVICE
James H. Cooper, Memphis, Tenn., assignor to Heiskell Weatherford, Jr., Memphis, Tenn.
Application September 14, 1946, Serial No. 697,137
20 Claims. (Cl. 123—198)



1. In combination with an internal combustion engine having a lubricating system for supplying oil under pressure during operation, and an air intake pipe for drawing a flow of air into said engine for combustion; a protective device for said engine which includes a valve in said intake pipe adapted in closed position to cut off said air flow and thereby effect interruption of engine operation; a cylindrical chamber in fluid communication with said lubricating system to receive oil under pressure therefrom, a reciprocable piston in said chamber coupled to said valve, whereby said valve is moved toward open and closed positions respectively responsive to movement of said piston, and spring means in said chamber urging said piston to move said valve to closed position; means opposing closing movement of said piston when said engine is inoperative, comprising a diaphragm, second spring means associated with one side thereof, and a floating rod associated with the other side thereof and projecting into said chamber, said second spring urging said diaphragm and said floating rod toward said piston, to bring said floating rod into opposing contact with said piston, to hold said valve partially open, the spring side of said diaphragm being enclosed in a chamber which is in air flow communication with said air intake pipe, whereby air is withdrawn from said diaphragm chamber into said air intake pipe during engine operation, to reduce the pressure in said chamber below atmospheric pressure, the rod side of said diaphragm being open to atmospheric pressure whereby a differential of pressures on the opposite sides of said diaphragm is created, said diaphragm being moved by said pressure differential in opposition to its related said spring away from piston opposing position; said piston being moved against its related said spring to open said valve responsive to introduction of oil under pressure into said piston chamber, said piston spring moving said piston to effect closure of said valve upon loss of said oil pressure in said piston chamber, whereby interruption of engine operation is effected and said air flow is cut off; cut-off of said air flow equalizing the pressures on the opposite sides of said diaphragm and releasing said diaphragm spring to return said diaphragm and floating rod to piston opposing position, moving said piston to partially open said valve for subsequent engine operation.

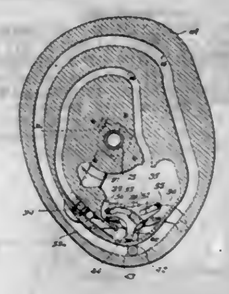
2,471,388
PLOWSHARE
Warren H. Farr, Grosse Pointe Farms, Mich., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 5, 1946, Serial No. 645,542
3 Claims. (Cl. 97—113)



1. In a plow in combination, a supporting member having therein a hole for a bolt, a plow member having a hardened front wear face and an arcuate undercut slot on the rear side, the slot being deepest at its mid-length and sloping up to zero depth at each end and a bevelled head bolt fitting in the slot and passing through the hole for securing the plow member to the supporting member.

2,471,389
WRAPPER CARRIER OPERATING MECHANISM
John F. Halstead, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application March 21, 1945, Serial No. 583,875
4 Claims. (Cl. 131—105)

1. A wrapper transfer for cigar machines comprising in combination, a vertical driven shaft, an elongated member fastened on said shaft and extending radially therefrom, an operating arm having one of its ends pivotally mounted on the outer end of said member, a second shaft pivotally mounted in the other end of said operating arm, a wrapper carrier fastened to said second shaft, means for revolving said driven shaft in one direction to move said carrier in a closed path, a stationary cam plate provided with a continuous cam track, and a cam follower connected to the outer end of said operating arm and engaging



said continuous cam track to guide said second shaft and wrapper carrier in a predetermined closed path from a wrapper-receiving position to a wrapper-applying mechanism, said operating arm extending rearwardly from its pivotal connection to said member in a direction away from the direction in which said member is moved by said driven shaft, and said cam track having a predetermined configuration whereby said cam follower will be pulled along said continuous cam track.

2,471,390
FLUSHING COMPOSITION FOR ENGINE LUBRICATING SYSTEMS
John D. Morgan, South Orange, and Russell E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application July 8, 1946, Serial No. 682,157
1 Claim. (Cl. 252—171)

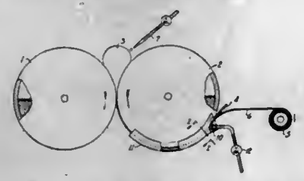
A solvent composition for flushing engine lubrication systems consisting essentially of about 50 per cent by volume of ortho dichloro benzene, about 19 per cent of cresylic acid, about 30 per cent by volume of naphtha having a boiling range of about 163° to 177° F., about 1 per cent by volume of sulphurized tributyl phosphite containing about 50 per cent sulfur, and about 0.5 per cent by volume of magnesium soap of wax acids.

2,471,391
PREPARATION OF DIOLS AND ESTER DERIVATIVES THEREOF
Curtis W. Smith, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 12, 1946, Serial No. 709,086
4 Claims. (Cl. 260—491)

4. The process for the preparation of a diester of a 1,3-alkanediol with a saturated, lower aliphatic monocarboxylic acid, comprising subject-

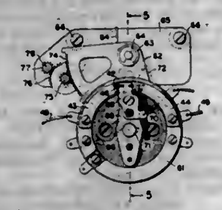
ing a triester of a 1,1,3-alkanetriol with a saturated, lower aliphatic monocarboxylic acid at a temperature between about 50° C. and about 350° C. in the presence of a base metal hydrogenation catalyst to the action of hydrogen gas at a pressure between about 500 pounds per square inch and about 5000 pounds per square inch to produce principally the ester of the monocarboxylic acid with the 1,3-alkanediol containing the same number and arrangement of carbon atoms as said 1,1,3-alkanetriol.

2,471,392
REFINING RECLAIMED RUBBER WITH COOLING OF THE RUBBER TO FACILITATE SEPARATION OF TAILINGS
Charles Herbert Campbell, Kent, Ohio
Application September 25, 1946, Serial No. 699,269
2 Claims. (Cl. 18—2)



2. In the process of refining reclaimed rubber in which the reclaimed rubber fed from a bank in the bite of the rolls is worked between and sheeted out by the rolls of a two-roll refining mill which are cooled internally by cooling water circulated therethrough, one of which rolls is rotated at a higher speed than the other whereby the bank of rubber is rolled toward this roll, the improvement which comprises cooling the bank of rubber as it is being milled by blowing between the bank of the rubber and the roll that is rotating fastest, air which has a temperature at least as low as 40° F. and is of lower relative humidity than the surrounding atmosphere.

2,471,393
ELECTRICAL CONTROL INSTRUMENT
John A. Caldwell, Philadelphia County, William H. Wannamaker, Jr., Flourtown, and Gregor W. Kuntny, Mount Airy, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 31, 1946, Serial No. 694,400
12 Claims. (Cl. 201—48)

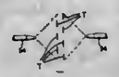


1. In a control instrument, a frame, a supporting plate pivoted to said frame, a resistance carried by said plate, a shaft pivoted in said plate, a contact carried by said shaft and engaging said resistance, a part movable in response to variations in a measurable condition, connecting means between said part and said shaft whereby said shaft is rotated as said part moves, and means to move said supporting plate and the elements carried thereby relative to said part.

2,471,394
SALICYLATE AND SUCCINATE THERAPEUTIC PREPARATIONS
Richard Gubner, Brooklyn, N. Y.
No Drawing. Application September 30, 1946, Serial No. 700,349
15 Claims. (Cl. 167—65)

1. A pharmaceutical composition effective for relief of rheumatic fever, rheumatism and rheumatic arthritis by containing a salicylate drug effective for relief of said ailments, said preparation being effective for such relief at a protracted dosage regimen including grams of salicylate daily and for days at a time and under which its salicylate content would provoke toxic manifestations when administered alone, and at such dosage regimen effective without toxic manifestations because of its therapeutic ingredient contents consisting essentially of its salicylate content and a non-toxic succinic acid substance having the formula $ROOC \cdot CH_2 \cdot CH_2 \cdot COOR$ wherein R is a cation which is a member of the class consisting of hydrogen, an alkali metal, the ammonium radical, and an alkaline earth metal, the latter then being represented by both elements R jointly, and said succinic acid substance being in such proportion to the salicylate content to permit its administration without the toxic manifestations accountable to the salicylate at the protracted dosage regimen, and in the range for the succinic substance, calculated as calcium succinate, of from about one-third to about ten times the quantity of salicylate, calculated as acetyl salicylic acid, said preparation being free of effective purgative and laxative components when the salicylate is an alkali metal salt of salicylic acid and the succinic acid substance is an alkali metal succinate, and otherwise free of ingredients that would cause the preparation to provoke toxic manifestations when taken at the protracted dosage regimen.

2,471,395
METHOD OF MAKING MEASURING TAPES
Adolf W. Keuffel, Essex Fells, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
Original application August 7, 1937, Serial No. 157,944. Divided and this application November 11, 1942, Serial No. 465,286
5 Claims. (Cl. 117—12)

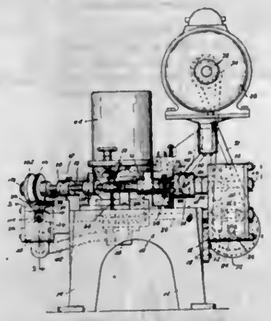


3. The method of making coated metal measuring tapes which comprises withdrawing from adjacent rolls a plurality of metal strips whereof at least one surface has been treated to be corrosion-resistant and receptive to a pigmented coating composition comprising a synthetic resin which will set while retaining its elasticity, guiding the strips in staggered relation whereby alternate strips are disposed respectively in two parallel planes with the strips in one plane opposite the spaces between those in the other plane, spraying from each side of the strips a pigmented coating composition comprising a synthetic resin which will set while retaining its elasticity whereby the strips are coated on both sides and both edges respectively with a complete flexible sheath, and passing the coated metal strips through a heated zone to remove the solvents and permanently set the coating, and printing graduations and indicia of a contrasting color on the surface of said coating composition.

2,471,396
AQUEOUS EMULSIONS OF MIXED PHTHALIC GLYCERIDE AND MELAMINE-FORMALDEHYDE RESINS
Donald W. Light, Longmeadow, Mass., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 1, 1943, Serial No. 471,026
6 Claims. (Cl. 260—7.5)

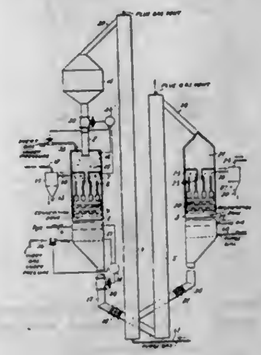
1. A method of preparing a stable aqueous synthetic resin emulsion of the oil-in-water type which comprises preparing a liquid mixture comprising 5–60% of phthalic glyceride resin having an acid number of at least 25 and 95–40% of the reaction product of methylol melamine with a primary monohydric alcohol in the presence of an acidic condensing agent, and agitating said mixture with an aqueous solution containing at least 2% of a proteinaceous emulsifying agent until an emulsion of the oil-in-water type is produced.

2,471,397
SOLE-CEMENTING MACHINE
Angelo Perri, Groveland, Mass., assignor to Allied Shoe Machinery Corp., Haverhill, Mass., a corporation of Massachusetts
Application October 16, 1946, Serial No. 703,534
8 Claims. (Cl. 91—51)



2. In a cementing mechanism, means for feeding a curved edge work element so that the margin of the element is progressively engaged by the feeding means all around the element, said means comprising a work engaging wheel rotatable on a fixed generally horizontal axis, means below said wheel holding a supply of cement in which a peripheral portion of the wheel is submerged so that cement is carried upward on the periphery of the wheel and applied to the engaged portion of the work element, a second work engaging wheel rotatable on a generally horizontal axis which is movable in directions generally toward and from said fixed axis, said movable axis being disposed in a vertical plane which is at an acute angle to the vertical plane of said fixed axis, whereby said second wheel strongly urges the work element laterally of the direction of primary feed of the element between the wheels, power means driving said wheels in opposite directions, and a pair of spaced guide elements laterally of the wheels in positions to be engaged by the curved edge of the work element for guiding the course of the feeding work element, said second wheel being yieldable away from the first wheel to accommodate variations in thickness of the work and to facilitate removal of a work element.

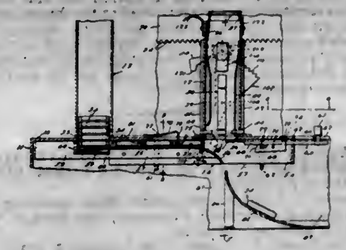
2,471,398
CONTINUOUS CATALYTIC SYSTEM
Thomas P. Simpson and John W. Payne, Woodbury, N. J., and John A. Crowley, Jr., New York, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 15, 1946, Serial No. 676,984
13 Claims. (Cl. 196—52)



1. In a cyclic process for the conversion of hydrocarbons in contact with a particle-form adsorbent contact mass material wherein the adsorbent is passed downwardly through a reaction zone in which it is contacted with hydrocarbons under reaction conditions of temperature and pressure and after removal from the reaction zone the adsorbent is regenerated while passing through a regeneration zone wherein contaminant deposited thereon in said reaction zone is burned and then returned to the reaction zone, that improvement which permits transfer of adsorbent from the regeneration zone to the reaction zone while preventing substantial escape of hydrocarbon gas through the adsorbent inlet means without resorting to a vapor sealing valve which comprises the following steps, withdrawing regenerated adsorbent from said regeneration zone, thoroughly contacting said regenerated adsorbent with steam, introducing the adsorbent into the reaction zone through a compact elongated stream of said adsorbent particles extending upwardly above said reaction zone to an elevation sufficient to provide a head of adsorbent particles great enough to force it into said reaction zone and maintaining a blanket of steam in said elongated stream adjacent its lower end at a pressure above the hydrocarbon pressure in the upper section of said reaction zone.

2,471,289
BUTTER DISPENSER
Ralph E. Dodge, Takoma Park, Md.
Application December 19, 1947, Serial No. 792,763
11 Claims. (Cl. 31—6)

1. A dispensing device comprising a platform, a food magazine and a food receptacle magazine mounted on said platform in proximity to each other, said food magazine being adapted to contain a body of food movable downwardly therein and said receptacle magazine being adapted to contain a stack of food-receiving receptacles, and a manually-operated slide supported on said platform below both of said magazines for reciprocation in a direction extending from one of said magazines to the other, said slide comprising a pair of substantially parallel side rails, a transverse plate between the rearward portions of said side rails having a downwardly-curved front end and providing thereabove a guideway for food receptacles, a hook secured to the rear end of said plate for moving receptacles from the bottom of a stack of such receptacles in said receptacle magazine onto said guideway, a food cutting wire extending transversely between said



side rails ahead of said plate, and a hand knob operatively connected to said side rails and accessible at the top of said platform.

DESIGNS

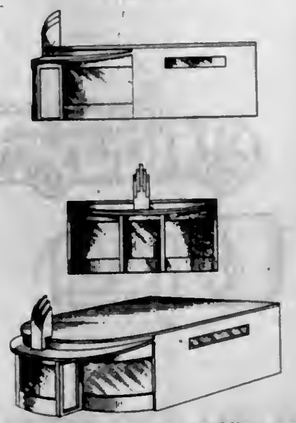
MAY 24, 1949

153,840
DESIGN FOR A PERFUME ATOMIZER
Harry Anbender and William J. Weinstein, Detroit, Mich.
Application March 22, 1947, Serial No. 737,820
Term of patent 7 years
(Cl. D83—1)



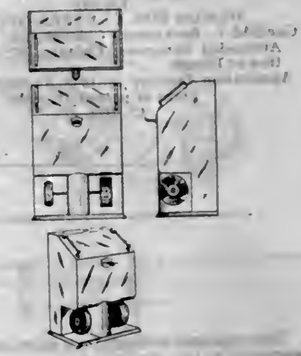
The ornamental design for a perfume atomizer, substantially as shown.

153,841
DESIGN FOR A BUILDING
John V. Avila, San Jose, Calif.
Application December 2, 1946, Serial No. 135,217
Term of patent 14 years
(Cl. D13—1)



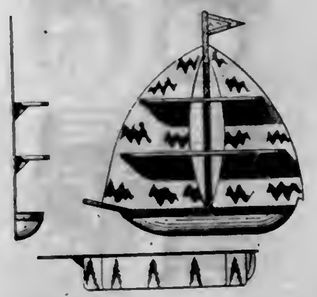
The ornamental design for a building, as shown and described.

153,842
DESIGN FOR AN AUTOMATIC SHOESHINE MACHINE
Carl Bader, St. Louis, Mo.
Application January 22, 1949, Serial No. 407
Term of patent 14 years
(Cl. D9—2)



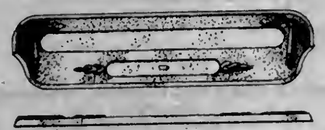
The ornamental design for an automatic shoeshine machine, substantially as shown.

153,843
DESIGN FOR A SAILBOAT SHELF FIGURE
Eugene R. Bartolomeo, Waterbury, Conn.
Application May 10, 1947, Serial No. 138,978
Term of patent 7 years
(Cl. D33—3)



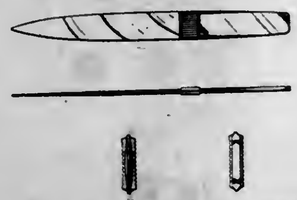
The ornamental design for a sailboat shelf figure, substantially as shown.

153,844
DESIGN FOR A BURIAL VAULT NAME PLATE
Leo Stephen Bassiay, Chicago, Ill.
Application April 9, 1948, Serial No. 145,625
Term of patent 7 years
(Cl. D19—2)



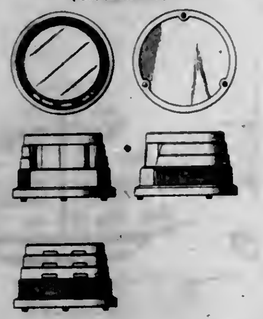
The ornamental design for a burial vault name plate, as shown.

153,845
DESIGN FOR A LETTER OPENER
Garfield L. Beckstrom, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application January 10, 1948, Serial No. 143,651
Term of patent 14 years
(Cl. D74—1)



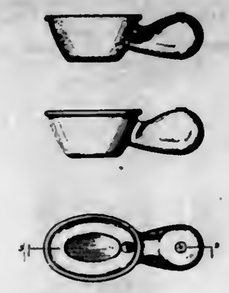
The ornamental design for a letter opener, substantially as shown.

153,846
DESIGN FOR A TEMPERATURE AND HUMIDITY INDICATOR HOUSING
Garfield L. Beckstrom, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application January 26, 1948, Serial No. 144,042
Term of patent 14 years
(Cl. D52—7)



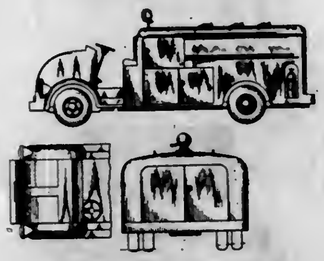
The ornamental design for a temperature and humidity indicator housing, substantially as shown.

153,847
DESIGN FOR AN EYECUP
Saturnino Tofé Bonilla, New York, N. Y.
Application February 20, 1948, Serial No. 144,629
Term of patent 14 years
(Cl. D83—1)



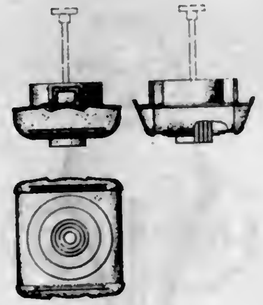
The ornamental design for an eye cup, as shown.

153,848
DESIGN FOR A TANK TRUCK
Theodore G. Branham, North Kansas City, Mo., assignor to Standard Steel Works, North Kansas City, Mo., a corporation of Missouri
Application April 24, 1948, Serial No. 128,911
Term of patent 7 years
(Cl. D14—3)



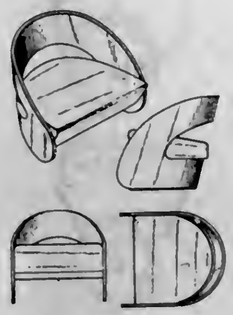
The ornamental design for a tank truck, as shown.

153,849
DESIGN FOR AN INCANDESCENT LIGHTING FIXTURE
Carl C. Braun, Riverside, Conn.
Application March 29, 1948, Serial No. 145,412
Term of patent 7 years
(Cl. D48—23)



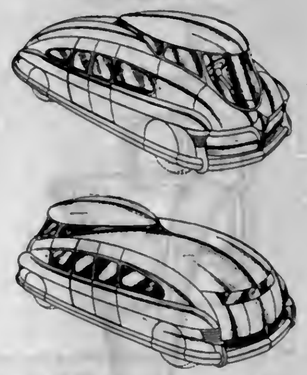
The ornamental design for an incandescent lighting fixture, as shown and described.

153,850
DESIGN FOR A CHAIR
William N. Brazauski, Chicago, Ill.
Application August 30, 1947, Serial No. 141,129
Term of patent 14 years
(Cl. D15—1)



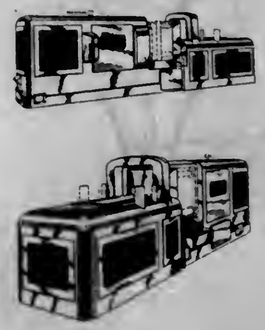
The ornamental design for a chair, substantially as shown.

153,851
DESIGN FOR A TAXICAB
Lynn Brodton, New York, N. Y.
Application September 4, 1947, Serial No. 141,207
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a taxicab, substantially as shown and described.

153,852
DESIGN FOR AN INJECTION MOLDING MACHINE
Artie C. Carlson, Detroit, Mich., assignor to Wickes Brothers, Saginaw, Mich., a corporation of Michigan
Application June 7, 1947, Serial No. 139,513
Term of patent 3½ years
(Cl. D55—1)



The ornamental design for an injection molding machine, as shown and described.

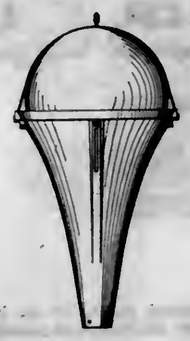
153,853
DESIGN FOR A RECEPTACLE FOR FIRE EXTINGUISHING GRENADES
Arthur Cisek, Denver, Colo., assignor to Red Comet Incorporated, Littleton, Colo., a corporation of Colorado
Application November 12, 1947, Serial No. 142,491
Term of patent 14 years
(Cl. D16—2)

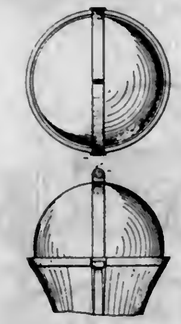




The ornamental design for a receptacle for fire extinguishing grenades, as shown and described.

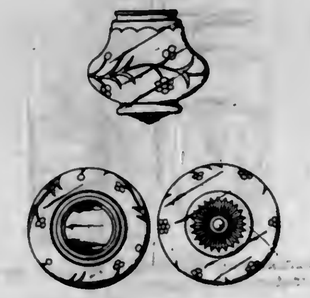
153,854
DESIGN FOR A COMBINED FIRE EXTINGUISHING GRENADE AND HOLDER
Arthur Cisek, Denver, Colo., assignor to Red Comet Incorporated, Littleton, Colo., a corporation of Colorado
Application November 12, 1947, Serial No. 142,492
Term of patent 14 years
(Cl. D16—2)





The ornamental design for a combined fire extinguishing grenade and holder, as shown and described.

153,855
DESIGN FOR A LIGHTING GLOBE
Hugh J. Claspy, Monaca, Pa., assignor to The Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application October 18, 1948, Serial No. 149,172
Term of patent 7 years
(Cl. D48—15)



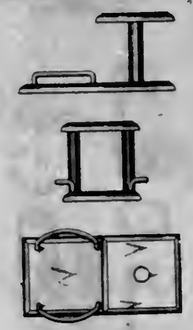
The ornamental design for a lighting globe, as shown.

153,856
DESIGN FOR A LIGHTING BOWL
Hugh J. Claspy, Monaca, Pa., assignor to The Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application October 18, 1948, Serial No. 149,173
Term of patent 7 years
(Cl. D48—15)



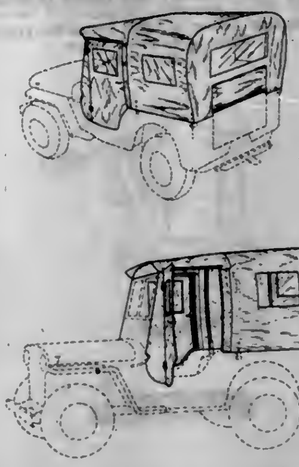
The ornamental design for a lighting bowl, as shown.

153,857
DESIGN FOR A STAND FOR COFFEE MAKER
John E. Comeau and Harry C. Mitchell, Kansas City, Mo.
Application July 19, 1947, Serial No. 140,390
Term of patent 3½ years
(Cl. D44—26)



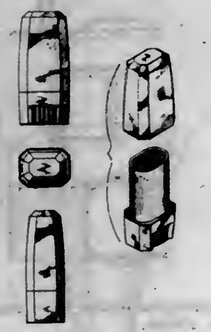
The ornamental design for a stand for coffee maker, as shown.

153,858
DESIGN FOR A TOP FOR VEHICLE BODY
Norman D. Cosner, Tecumseh, Mich., assignor to Meyers Aircraft Company, Tecumseh, Mich., a corporation of Michigan
Application April 28, 1947, Serial No. 138,656
Term of patent 14 years
(Cl. D14—27)



The ornamental design for a top for vehicle body, substantially as shown and described.

153,859
DESIGN FOR A COSMETIC HOLDER
Walton B. Crane, Beverly Hills, Calif., assignor to Max Factor & Co., Hollywood, Calif., a corporation of Delaware
Application May 3, 1948, Serial No. 146,141
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a cosmetic holder, substantially as shown.

153,860
DESIGN FOR A COMBINED TELEPHONE STAND AND LAMP
Joseph Dern, Roxbury, and Joseph H. Harris, Brookline, Mass.
Application August 9, 1948, Serial No. 148,008
Term of patent 7 years
(Cl. D48—20)



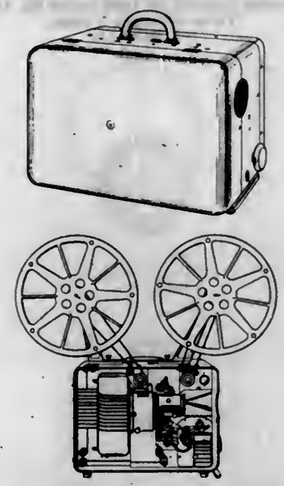
The ornamental design for a combined telephone stand and lamp, as shown.

153,861
DESIGN FOR A DISPENSER FOR POWDERED MATERIALS
John F. De Sales, Kew Gardens, Long Island, N. Y.
Application March 25, 1947, Serial No. 137,867
Term of patent 7 years
(Cl. D52—2)



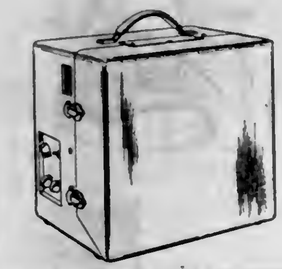
The ornamental design for a dispenser for powdered materials, as shown.

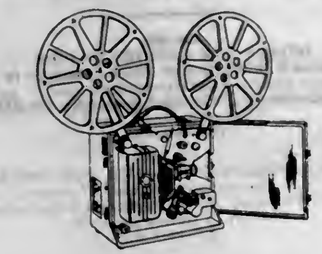
153,862
DESIGN FOR A COMBINED PORTABLE MOTION-PICTURE PROJECTING MACHINE AND CARRYING CASE THEREFOR
William Charles De Vry, Chicago, Ill., assignor to De Vry Corporation, Chicago, Ill., a corporation of Illinois
Application November 19, 1947, Serial No. 142,649
Term of patent 3½ years
(Cl. D61—1)

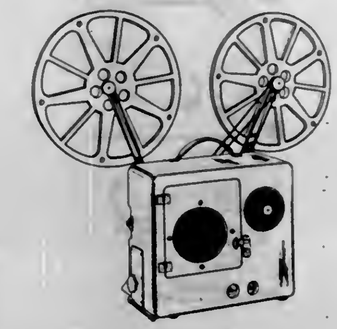


The ornamental design for a combined portable motion-picture projecting machine and carrying case therefor, as shown and described.

153,863
DESIGN FOR A COMBINED PORTABLE MOTION-PICTURE PROJECTOR APPARATUS AND CARRYING CASE THEREFOR
William Charles De Vry, Chicago, Ill., assignor to De Vry Corporation, Chicago, Ill., a corporation of Illinois
Application November 19, 1947, Serial No. 142,650
Term of patent 3½ years
(Cl. D61—1)

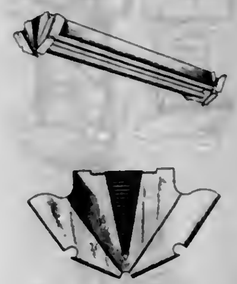






The ornamental design for a combined portable motion-picture projector apparatus and carrying case therefor, as shown and described.

153,864
DESIGN FOR AN ELECTRIC LIGHTING FIXTURE
MacInnis M. Dunbar, Highland Park, Ill., assignor to Lighting Products, Inc., Highland Park, Ill., a corporation of Illinois
Application March 18, 1947, Serial No. 137,727
Term of patent 14 years
(Cl. D48—23)



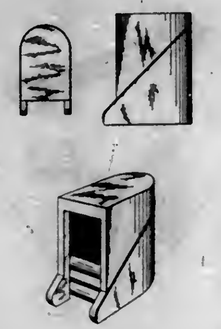
The ornamental design for an electric lighting fixture, as shown.

153,865
DESIGN FOR A SPRAY GUN
Sigmund E. Edelstone, Chicago, and Albert L. Jenks, Dixon, Ill., assignors to Dupli-Color Products Company, Chicago, Ill., a corporation of Illinois
Application December 18, 1947, Serial No. 143,202
Term of patent 7 years
(Cl. D62—2)



The ornamental design for a spray gun, substantially as shown and described.

153,866
DESIGN FOR A SELF-CONTAINED REFRIGERATION UNIT
Ernest W. Ekstrand, Orange, N. J., assignor to Ekstrand Manufacturing Company, Orange, N. J., a corporation of New Jersey
Application April 16, 1947, Serial No. 138,426
Term of patent 14 years
(Cl. D67—3)



The ornamental design for a self-contained refrigeration unit, as shown and described.

153,867
DESIGN FOR A BAND-SAW MACHINE
Ted Farrell, Berkeley, Calif.
Application October 18, 1947, Serial No. 142,007
Term of patent 14 years
(Cl. D93—3)



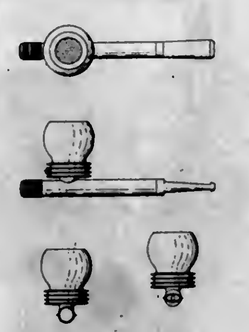
The ornamental design for a band-saw machine, as shown.

153,868
DESIGN FOR A FINGER RING OR KINDRED ARTICLE
James B. Fishburne, Norfolk, Va.
Application March 4, 1946, Serial No. 144,895
Term of patent 3½ years
(Cl. D45—10)



The ornamental design for a finger ring or kindred article, substantially as shown and described.

153,869
DESIGN FOR A SMOKER'S PIPE
Forest F. Flint, Detroit, Mich., assignor to Leo D. Gentle
Application April 22, 1947, Serial No. 138,531
Term of patent 7 years
(Cl. D85—8)



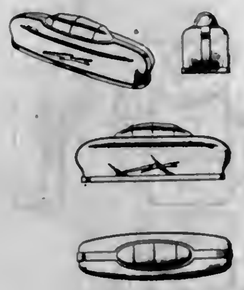
The ornamental design for a smoker's pipe, as shown.

153,870
DESIGN FOR A CHILD'S FOLDABLE CHAIR
Genevive E. Frush, Los Angeles, Calif.
Application June 18, 1947, Serial No. 139,792
Term of patent 3½ years
(Cl. D15—8)



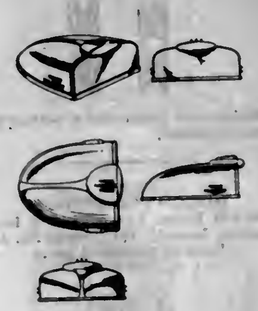
The ornamental design for a child's foldable chair, substantially as shown.

153,871
DESIGN FOR A TAXICAB CRUISING LAMP
Robert W. Garrett, Washington, D. C.
Application September 22, 1948, Serial No. 148,707
Term of patent 14 years
(Cl. D48—32)



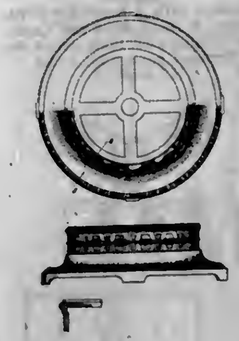
The ornamental design for a taxicab cruising lamp, as shown.

153,872
DESIGN FOR A TAXICAB CRUISING LAMP
Robert W. Garrett, Washington, D. C.
Application September 22, 1948, Serial No. 148,708
Term of patent 7 years
(Cl. D48—32)



The ornamental design for a taxicab cruising lamp, as shown.

153,873
DESIGN FOR A FLOOR LAMP BASE
Irving I. Gotliffe, New York, N. Y., assignor to Remsen Lamp Manufacturing Co., Brooklyn, N. Y., a partnership composed of Joseph Zweig and Benjamin Zweig
Application November 10, 1947, Serial No. 142,443
Term of patent 3½ years
(Cl. D48—20)



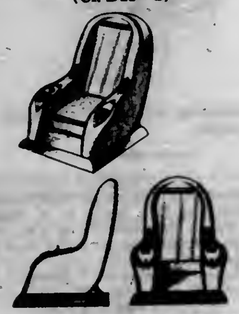
The ornamental design for a floor lamp base, as shown and described.

153,874
DESIGN FOR A TEXTILE FABRIC
Bernard J. Greenbaum, Weston, Conn.
Application June 22, 1948, Serial No. 147,117
Term of patent 3½ years
(Cl. D92—1)



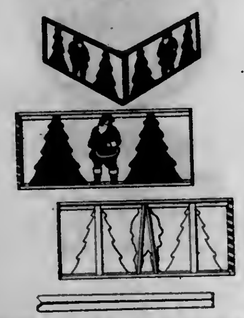
The ornamental design for a textile fabric, as shown and described.

153,875
DESIGN FOR A CHAIR
Floyd D. Hager, Council Bluffs, Iowa
Application June 27, 1947, Serial No. 139,982
Term of patent 14 years
(Cl. D15—1)



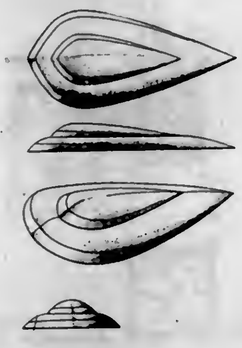
The ornamental design for a chair, as shown.

153,876
DESIGN FOR A FENCE PANEL
Nelson J. Hays, Burbank, Calif.
Application February 26, 1948, Serial No. 144,747
Term of patent 3½ years
(Cl. D28—1)



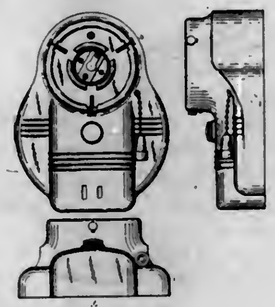
The ornamental design for a fence panel, substantially as shown.

153,877
DESIGN FOR AN AUTOMOBILE HOOD ORNAMENT OR SIMILAR ARTICLE
William H. Johnsen, Dallas, Tex.
Application June 2, 1947, Serial No. 139,405
Term of patent 7 years
(Cl. D14—18)



The ornamental design for an automobile hood ornament or similar article, substantially as shown.

153,878
DESIGN FOR AN ELECTRIC LIGHT WALL BRACKET
Arthur A. Johnson, New Bedford, Mass., assignor to John I. Paulding, Inc., New Bedford, Mass., a corporation of Massachusetts
Application December 19, 1947, Serial No. 143,246
Term of patent 14 years
(Cl. D48—4)



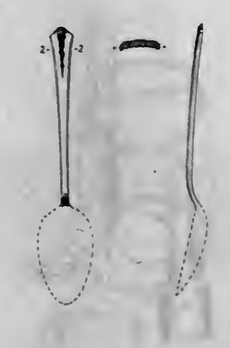
The ornamental design for an electric light wall bracket, as shown.

153,879
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 24, 1949, Serial No. 420
Term of patent 7 years
(Cl. D45—4)



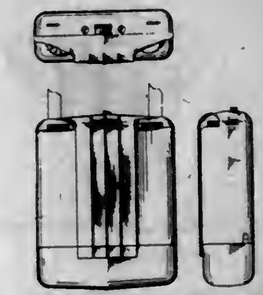
The ornamental design for a bracelet or similar article, substantially as shown and described.

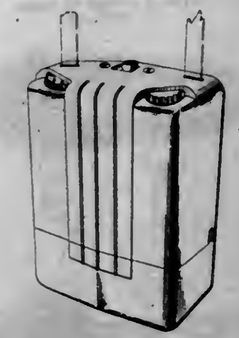
153,880
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Sol P. Kaufman, New York, N. Y., assignor to The International Silver Company, Meriden, Conn., a corporation of Connecticut
Application June 30, 1948, Serial No. 147,305
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or other article of flatware, substantially as shown and described.

153,881
DESIGN FOR A RADIO RECEIVER
George H. Kress, Vestal, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 23, 1947, Serial No. 140,462
Term of patent 14 years
(Cl. D56—4)





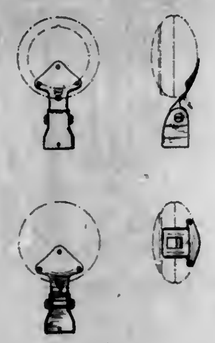
The ornamental design for a radio receiver, as shown and described.

153,882
DESIGN FOR A BOTTLE CARRIER
Joseph K. Laier, Kansas City, Mo.
Application February 9, 1948, Serial No. 144,371
Term of patent 7 years
(Cl. D58—4)



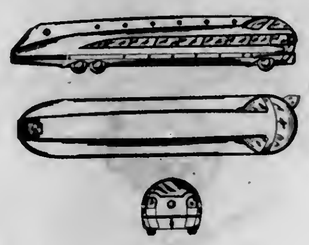
The ornamental design for a bottle carrier, as shown.

153,883
DESIGN FOR AN AUTOMOBILE LAMP SUPPORT BRACKET
Sol H. Lapidus, Brooklyn, N. Y.
Application September 1, 1948, Serial No. 148,410
Term of patent 14 years
(Cl. D48—32)



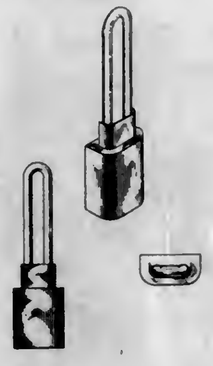
The ornamental design for an automobile lamp support bracket, as shown and described.

153,884
DESIGN FOR A BUS
George S. Lawson, St. Clair Shores, Mich.
Application October 9, 1946, Serial No. 133,832
Term of patent 7 years
(Cl. D14—3)



The ornamental design for a bus, as shown and described.

153,885
DESIGN FOR A LIGHT FIXTURE
Jules L. Libby, Elgin, Ill.; Robert I. Burstein, administrator of said Jules L. Libby, deceased, assignor to Libby Engineering Corporation, Elgin, Ill., a corporation of Illinois
Application June 7, 1947, Serial No. 139,522
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a light fixture, as shown.

153,886
DESIGN FOR A COMBINATION KNIFE AND SCISSORS SHARPENER
Charles W. Lynch, Perry, Okla.
Application November 26, 1946, Serial No. 135,096
Term of patent 7 years
(Cl. D37—1)



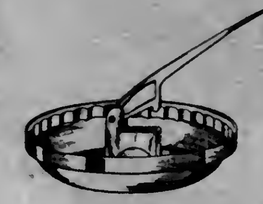
The ornamental design for a combination knife and scissors sharpener, as shown.

153,887
DESIGN FOR A CUP
Allen T. Macaulay, Perry, Okla., assignor to Tamac, Inc., Perry, Okla., a corporation of Oklahoma
Application June 10, 1947, Serial No. 139,560
Term of patent 3½ years
(Cl. D44—9)



The ornamental design for a cup, as shown.

153,888
DESIGN FOR A NUT CRACKER
John K. Martens, Hutchinson, Kans.
Application April 7, 1947, Serial No. 138,207
Term of patent 7 years
(Cl. D44—1)



The ornamental design for a nut cracker, as shown.

153,889
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Laurel J. Martin, Yucca Valley, Calif.
Application August 3, 1948, Serial No. 147,917
Term of patent 14 years
(Cl. D7—7)



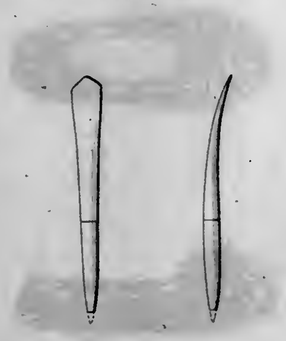
The ornamental design for a shoe or similar article, as shown.

153,890
DESIGN FOR A SHOE OR SIMILAR ARTICLE
James Matrick, Portsmouth, N. H.
Application October 8, 1948, Serial No. 149,039
Term of patent 3½ years
(Cl. D7—7)



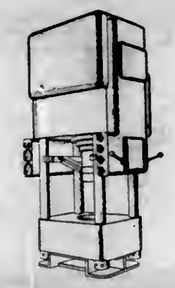
The ornamental design for a shoe or similar article, substantially as shown.

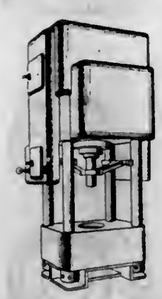
153,891
DESIGN FOR A WRITING INSTRUMENT OR THE LIKE
Stanley Joseph Meno, Toronto, Ontario, Canada
Application March 12, 1948, Serial No. 145,048
Term of patent 14 years
(Cl. D74—24)



The ornamental design for a writing instrument or the like, substantially as shown and described.

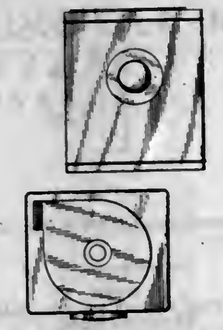
153,892
DESIGN FOR A HYDRAULIC PRESS
Howard V. Mills, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application March 25, 1948, Serial No. 145,339
Term of patent 14 years
(Cl. D63—1)

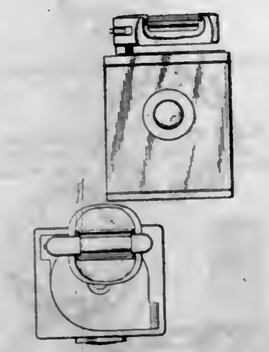




The ornamental design for a hydraulic press, substantially as shown.

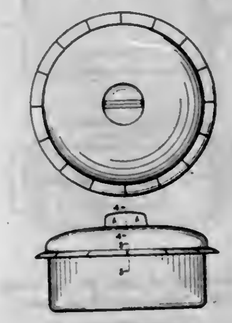
153,893
DESIGN FOR A COMBINED WASHING MACHINE AND WRINGER
Jack Morgan, Chicago, Ill., assignor to Automatic Washer Company, Newton, Iowa, a corporation of Delaware
Application May 3, 1947, Serial No. 138,796
Term of patent 14 years
(Cl. D49—1)

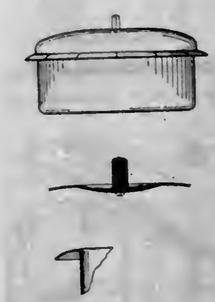




The ornamental design for a combined washing machine and wringer, substantially as shown and described.

153,894
DESIGN FOR A DUTCH OVEN
Albert D. Mortrude, Detroit, Mich., assignor to Kromex Corporation, Cleveland, Ohio, a corporation of Ohio
Application June 12, 1947, Serial No. 139,616
Term of patent 14 years
(Cl. D44—1)





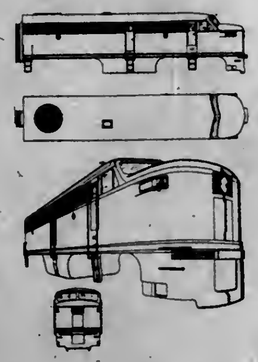
The ornamental design for a dutch oven, substantially as shown.

153,895
DESIGN FOR A LEATHER STRAP BUCKLE MEMBER
Ludwig Oppenheimer, Los Angeles, Calif.
Application December 29, 1947, Serial No. 143,402
Term of patent 3½ years
(Cl. D17—1)



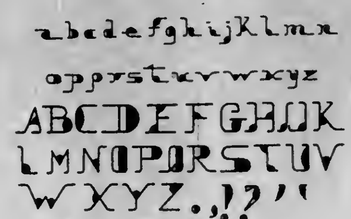
The ornamental design for a leather strap buckle member, substantially as shown.

153,896
DESIGN FOR A LOCOMOTIVE BODY
Ray Patten, Norwalk, Conn., assignor to General Electric Company, a corporation of New York
Application August 16, 1946, Serial No. 132,587
Term of patent 3½ years
(Cl. D66—1)



The ornamental design for a locomotive body, substantially as shown and described.

153,897
DESIGN FOR A FONT OF PRINTING TYPE
Dana Petersen, Newton, Mass.
Application June 9, 1947, Serial No. 139,555
Term of patent 3½ years
(Cl. D44—12)



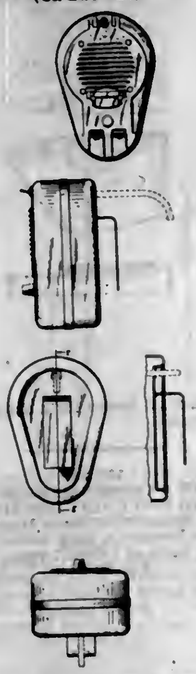
The ornamental design for a font of printing type, as shown.

153,898
DESIGN FOR A CURTAIN OR DRAPERY FESTOON RING
Manfred J. Pollak, Chicago, Ill., assignor to Western Newell Mfg. Co., Freeport, Ill., a corporation of Illinois
Application October 15, 1947, Serial No. 141,914
Term of patent 14 years
(Cl. D21—1)



The ornamental design for a curtain or drapery festoon ring, as shown.

153,899
DESIGN FOR A SPEAKER HOUSING
Robert F. Poorman, Montgomery County, Ohio
Application August 23, 1947, Serial No. 141,033
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a speaker housing, as shown.

153,900
DESIGN FOR A LADDER BOOT
Walter P. Regan, Lowell, Mass.
Application April 10, 1947, Serial No. 138,286
Term of patent 7 years
(Cl. D15—8)



The ornamental design for a ladder boot, as shown.

153,901
DESIGN FOR A TOASTER
Jean O. Reinecke, Oak Park, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application July 9, 1946, Serial No. 131,408
Term of patent 14 years
(Cl. D81—10)



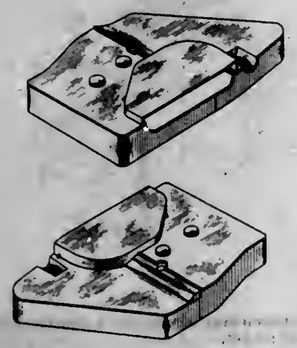
The ornamental design for a toaster, substantially as shown.

153,902
DESIGN FOR A TOASTER HANDLE
Jean O. Reinecke, Oak Park, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application July 9, 1946, Serial No. 131,412
Term of patent 14 years
(Cl. D81—10)

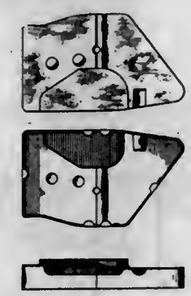


The ornamental design for a toaster handle, substantially as shown.

153,903
DESIGN FOR A CAPPING MACHINE GUARD
Manuel S. Resina, Brooklyn, N. Y.
Application October 31, 1946, Serial No. 134,403
Term of patent 3½ years
(Cl. D55—1)

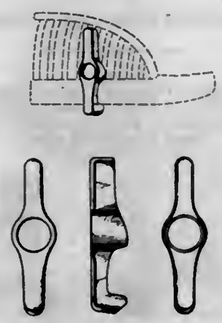


153,903—Continued



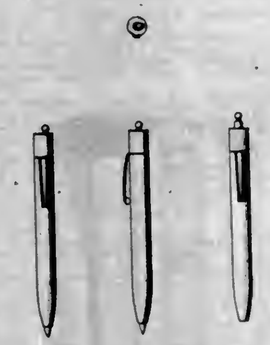
The ornamental design for a capping machine guard, as shown.

153,904
DESIGN FOR A COMBINED BUMPER GUARD AND FOG LIGHT HOUSING
Edwin F. Eygasewicz, Santa Monica, Calif.
Application January 6, 1948, Serial No. 143,543
Term of patent 7 years
(Cl. D14—6)



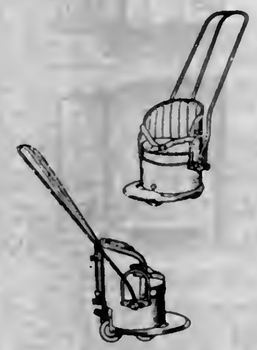
The ornamental design for a combined bumper guard and fog light housing, substantially as shown and described.

153,905
DESIGN FOR A BALL PEN OR SIMILAR ARTICLE
Solomon M. Sager, Chicago, Ill.
Application June 24, 1947, Serial No. 139,887
Term of patent 3½ years
(Cl. D74—17)



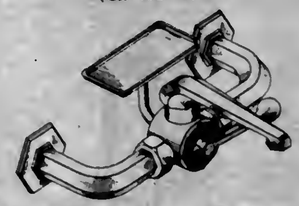
The ornamental design for a ball pen or similar article, as shown and described.

153,906
DESIGN FOR A CHILD'S PUSH-CHAIR
Herbert Richard Shaw, Shirley, England
Application August 26, 1946, Serial No. 133,892
In Great Britain March 14, 1946
Term of patent 3½ years
(Cl. D14—14)



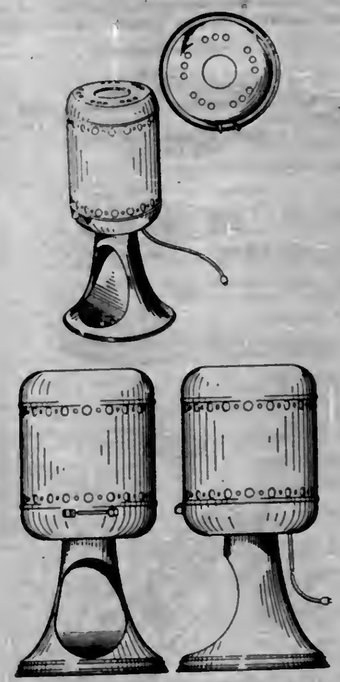
The ornamental design for a child's push-chair, as shown.

153,907
DESIGN FOR A DOUBLE ACTING SINK VALVE FAUCET UNIT
Michael Smolensky, Cleveland, Ohio
Application August 1, 1947, Serial No. 140,661
Term of patent 14 years
(Cl. D91—3)



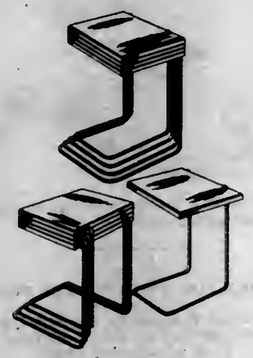
The ornamental design for a double acting sink valve faucet unit, as shown.

153,908
DESIGN FOR A HEATER FOR FOOD PRODUCTS
Alexander F. Stolitzka, Summit, Ohio
Application February 10, 1948, Serial No. 144,385
Term of patent 14 years
(Cl. D81—10)



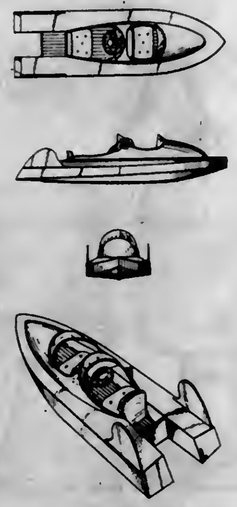
The ornamental design for a heater for food products, as shown.

153,909
DESIGN FOR A SERVICE TRAY AND STAND NESTABLE UNIT
Will E. Wais, Chicago, Ill.
Application January 20, 1947, Serial No. 136,523
Term of patent 14 years
(Cl. D32—14)



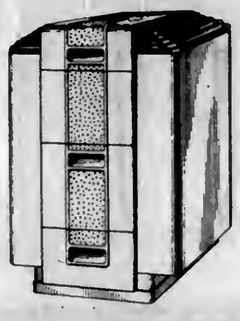
The ornamental design for a service tray and stand nestable unit, as shown and described.

153,910
DESIGN FOR A BOAT
Val K. Williamson, Phillipsburg, Ohio
Application August 8, 1947, Serial No. 140,782
Term of patent 14 years
(Cl. D71—1)



The ornamental design for a boat, as shown.

153,911
DESIGN FOR A SOLID FUEL BURNING ROOM HEATER
De Witt H. Wyatt, Columbus, Ohio
Application March 20, 1948, Serial No. 145,248
Term of patent 14 years
(Cl. D81—19)





The ornamental design for a solid fuel burning room heater, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

ABC Laundry, Washington, D. C. Laundering and dry cleaning services. Serial No. 574,074, May 24. Class 50.
Adams-Millis Corporation, High Point, N. C. Men's, women's and children's hosiery. Serial No. 530,461, May 24. Class 39.
Addis Limited, Hertford, England. Toothbrushes. Serial No. 552,029, May 24. Class 29.
Air Reduction Sales Company, New York, N. Y. Wrenches. Serial No. 549,689, May 24. Class 23.
Airborne Accessories Corporation, Hillside, N. J. Electro mechanical apparatus. Serial No. 542,063, May 24. Class 21.
All-State Welding Alloys Co., Inc., White Plains, N. Y. Brazing metal. Serial No. 556,860, May 24. Class 14.
American Battery Mfg. Company, Kansas City, Mo., doing business as Pioneer Battery Company, Kansas City, Kans. Electric storage batteries. Serial No. 549,775, May 24. Class 21.
American Cystoscope Makers, Inc., New York, N. Y. Apparatus for supplying high frequency currents and accessories therefor for use in electrosurgical procedures. Serial No. 558,338, May 24. Class 44.
American Watch Co. of Canada: *See*—
Lechter, B.
Ampco Metal, Inc., Milwaukee, Wis. Centrifugal pumps. Serial No. 550,286, May 24. Class 23.
Amphac Laboratories, Inc., Everett, Wash. Medicinal preparation. Serial No. 562,746, May 24. Class 6.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Foundation cream. Serial No. 554,644, May 24. Class 6.
Aristocrat Leather Products, Inc., New York, N. Y. Wallets and purses. Serial Nos. 567,380–1, May 24. Class 3.
Armstrong Cork Company, Lancaster, Pa. Cleaning preparations. Serial No. 524,927, May 24. Class 4.
Armstrong Paint & Varnish Works, Chicago, Ill. Ready mixed paint, varnishes and paint enamels. Serial No. 538,072, May 24. Class 18.
Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Portland pozzolana cement. Serial No. 550,111, May 24. Class 12.
Atlantic Pencil Company: *See*—
Hyman, Bernard.
Auth-Loffler, Inc., Washington, D. C. Sausages. Serial No. 533,972, May 24. Class 46.
Automatic Headlight Dimmer Corporation, Camden, N. J. Electronic control apparatus. Serial No. 550,776, May 24. Class 21.
Ayer, Harriet Hubbard, Inc., New York, N. Y. Soap. Serial No. 558,716, May 24. Class 4.
Baltimore Paint & Color Works, Baltimore, Md. Liquid black utility paint enamel. Serial No. 545,216, May 24. Class 16.
Bama Company, The, Birmingham, Ala. Fruit preserves, jams, jellies, apple butter, etc. Serial No. 546,179, May 24. Class 46.
Barry, R. G., Corporation, Columbus, Ohio, assignee of R. G. Barry Co. Shoulder pads. Serial No. 519,250, May 24. Class 40.
Barry, R. G., Co.: *See*—
Barry, R. G., Corporation.
Benjamin Air Rifle Company, St. Louis, Mo. Precision atomizing nozzles. Serial No. 528,186, May 24. Class 13.
Bernstein, H., & Co., Chicago, Ill. Men's, women's and children's outer garments. Serial No. 504,426, May 24. Class 39.
Betz, Edward F., doing business as The Safon Company, Seattle, Wash. Ready-mixed finish containing hydrocarbon solvent and cellulose resin. Serial No. 525,288, May 24. Class 16.
Bevco Company, The, St. Louis, Mo. Refrigerated display cabinets, frozen food cabinets, and refrigerated storage lockers. Serial No. 517,234, May 24. Class 31.
Bienen-Davis, Inc., New York, N. Y. Women's and misses' handbags, pocketbooks and purses. Serial No. 552,565, May 24. Class 3.
Bill Brothers Publishing Corporation, New York, N. Y. Trade magazines and publications. Serial No. 539,264, May 24. Class 38.
Billboard Publishing Co., The, Cincinnati, Ohio, and New York, N. Y. Magazine or periodical. Serial No. 560,600, May 24. Class 38.
Black and Decker Manufacturing Company, The, Towson, Md. Portable load weighing scales. Serial No. 551,760, May 24. Class 26.
Blanke-Baer Extract & Preserving Company, St. Louis, Mo. Ginger-ale. Serial No. 527,193, May 24. Class 45.
Blenkinsop, Ward, & Company Limited, London W., England. Chemical substances. 554,206, May 24. Class 6.
Bowers Brothers, Inc., Richmond, Va. Blend of coffee and chicory. Serial No. 544,844, May 24. Class 46.
Breger Electric Mfg. Co., Chicago, Ill. Cleaning compound for floors and walls, and a shampoo preparation for cleaning rugs, carpets and upholstery. Serial No. 545,039, May 24. Class 4.
Bristol Bay Packing Company, Seattle, Wash. Canned salmon. Serial No. 533,985, May 24. Class 46.
British Overseas Airways Corporation, London, England. Passenger and freight air transportation services. Serial Nos. 561,445–6, May 24. Class 35.
Brown, George C., & Company, Greensboro, N. C. Closet lining. Serial No. 561,409, May 24. Class 12.
Bumgton's, Incorporated, Worcester, Mass. Pharmaceutical preparation. Serial No. 529,591, May 24. Class 6.
Byrne, J. P., & Sons, Co., Omaha, Nebr. Finger rings. Serial No. 565,687, May 24. Class 28.
California Fruit Exchange, Sacramento, Calif. Fresh grapes. Serial No. 548,049, May 24. Class 46.
California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Parasiticides. Serial Nos. 550,362–4, May 24. Class 6.
Camp, Harry, Millinery Company, San Francisco, Calif. Ladies' hats. Serial Nos. 554,471–2, May 24. Class 39.
Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Bituminous mastic flooring composition. Serial No. 556,280, May 24. Class 12.
Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Asphalt roll roofing and building paper. Serial No. 556,282, May 24. Class 12.
Carlson Tool and Machine Company, Geneva, Ill. Machines for making and machines for trimming all classes of household, personal and industrial brushes. Serial No. 543,883, May 24. Class 23.
Carver, Fred S., Inc., New York, N. Y. Hydraulic presses, hydraulic accumulators, hydraulic pumps, etc. Serial No. 516,670, May 24. Class 23.
Castor, Louis M., doing business as Cast-Crete Products, San Angelo, Tex. Concrete products. Serial No. 524,622, May 24. Class 12.
Cast-Crete Products: *See*—
Castor, Louis M.
Caulk, L. D., Company, The, Milford, Del. Dental supplies and appliances. Serial No. 549,396, May 24. Class 44.
Central Industries, Inc., Watertown, Conn. Power-driven bench material working tools. Serial No. 508,573, May 24. Class 23.
Century Precision Works, Inc., New York, N. Y. Electric irons. Serial No. 525,544, May 24. Class 21.
Certified Dry Mat Corporation, New York, N. Y. Matrix, dry mat, or board. Serial No. 546,955, May 24. Class 50.
Champion Textile Finishing Company, Chicago, Ill. Treatment of heavy canvas. Serial No. 570,461, May 24. Class 55.
Cherry Rivet Company, Los Angeles, Calif. Rivets. Serial No. 542,063, May 24. Class 13.
Chicago Kahn Bros.: *See*—
Royal Tailors Inc., The.
Cities Service Oil Company, Chicago, Ill., and Bartlesville, Okla. Lubricating oils. Serial No. 554,649, May 24. Class 15.
Cleveland Heater Company, The, Cleveland, Ohio. Metallic fittings and alloys. Serial No. 503,283, May 24. Class 21.
Clover Farm Stores Corporation, Cleveland, Ohio. Paper plates, paper cups, and wooden plates. Serial No. 554,090, May 24. Class 2.
Cluett, Peabody & Co. Inc., Troy, N. Y. Neckties. Serial No. 548,237, May 24. Class 39.
Columbus Dental Manufacturing Co., The, Columbus, Ohio. Implement for polishing teeth. Serial No. 549,397, May 24. Class 44.
Consolidated Cosmetics, Chicago, Ill. Toilet soap and laundry soap. Serial No. 558,008, May 24. Class 4.
Cooper, William, & Nephews Incorporated, Chicago, Ill. Animal insecticide. Serial No. 564,608, May 24. Class 6.
Co-Operative Industries, Inc., Chester, N. J. Flexible metal tubing and conduit. Serial No. 551,892, May 24. Class 35.
Cory, Albert N., Inc., New York, N. Y. Olives. Serial No. 519,571, May 24. Class 46.
Creed & Stewart, Ltd., Aurora, Ill. Bias binding tape. Serial No. 556,893, May 24. Class 40.
Cribben and Sexton Company, Chicago, Ill. Broiler pans. Serial No. 551,696, May 24. Class 13.
Cutter Laboratories, Berkeley, Calif. Vaccine for the prevention of cholera in swine. Serial No. 567,326, May 24. Class 6.
Dan River Mills, Incorporated, Danville, Va. Corded cotton fabric in the piece. Serial No. 539,214, May 24. Class 42.
Davis, H. B., Company, The, Baltimore, Md. Paints, paint enamels, japans, etc. Serial No. 497,658, May 24. Class 16.
Davis, Joel Bally, Inc., Philadelphia, Pa. Hosiery and underwear for women and girls. Serial No. 521,504, May 24. Class 39.
Delapenha, R. U., & Co., Inc., New York, N. Y. Wines. Serial No. 514,107, May 24. Class 47.
Dell Products: *See*—
Holtz, Irene L.

Densco, Incorporated, Denver, Colo. Dental handpiece. Serial No. 552,306, May 24. Class 44.
Dentists' Supply Company of New York, The, New York, N. Y. Sheet or plate of a resinous composition adapted for forming into a temporary dental plate. Serial No. 543,147, May 24. Class 44.
Diamond Match Company, The, New York, N. Y. Toothpicks. Serial No. 548,152, May 24. Class 44.
Di-Noc Company, The, Cleveland, Ohio. Surface coating and finishing material. Serial No. 501,502, May 24. Class 16.
Distillation Products, Inc., Wilmington, Del., and Rochester, N. Y. Monoesters of polyhydric alcohols. Serial No. 562,547, May 24. Class 6.
Dodd, M. S., San Francisco, Calif. Fresh deciduous fruits. Serial No. 547,434, May 24. Class 46.
Donaldson Co., Inc.: *See*—
Donaldson Company, Inc.
Donaldson Company, Inc., doing business as Donaldson Co., Inc., St. Paul, Minn. Air cleaners. Serial No. 528,560, May 24. Class 31.
Donna Fruit Company, Edinburg, Tex. Fresh citrus fruits. Serial No. 515,089, May 24. Class 46.
Dow Corning Corporation, Midland, Mich. Unctuous organosilicon polymers of use as lubricants. Serial No. 546,830, May 24. Class 15.
Drilo Corporation, Pittsburgh, Pa. Speed reducing attachment for power-driven hand tools. Serial No. 521,002, May 24. Class 23.
Duotone Company, Inc., New York, N. Y. Electrical sound recording machines, electrically controlled phonograph turntables, etc. Serial No. 552,044, May 24. Class 21.
Duquesne Brewing Company of Pittsburgh, Pittsburgh, Pa. Bock beer. Serial No. 526,561, May 24. Class 48.
Dusharme Products Inc., Minneapolis, Minn. Hair dressings. Serial No. 542,016, May 24. Class 6.
East Whittier Citrus Association, Whittier, Calif. Fresh citrus fruits. Serial No. 537,792, May 24. Class 46.
Electro Manufacturing Corporation, Chicago, Ill. Fluorescent lighting fixtures. Serial No. 550,036, May 24. Class 21.
Elkins, Agnes A., Elyria, Ohio. Sleeping garments for infants. Serial No. 547,249, May 24. Class 39.
Esbeco Distilling Corporation, Stamford, Conn. Whiskey. Serial No. 553,830, May 24. Class 49.
Essex Rubber Company, Trenton, N. J. Rubber and composition material. Serial No. 540,397, May 24. Class 50.
Evode Chemical Works Limited, Stafford, England. Preparations to be added to a cement mix. Serial No. 553,581, May 24. Class 12.
Fawcett Publications, Inc., Greenwich, Conn. Publication. Serial No. 557,741, May 24. Class 38.
Flavor-Line, Inc., Chicago, Ill. Coagulators and intensifiers, the coagulators comprising a milk coagulant preparation. Serial No. 566,070, May 24. Class 46.
Food Machinery and Chemical Corporation: *See*—
Westvaco Chlorine Products Corporation.
Ford Motor Company, Dearborn, Mich. Fabric bags for tools. Serial No. 560,129, May 24. Class 2.
Fragale, H. S.: *See*—
Fragale, Salvatore.
Fragale, Salvatore, doing business as H. S. Fragale, New York, N. Y. Knitted wear and infants' sport wear. Serial No. 547,252, May 24. Class 39.
Free Sewing Machine Co., Rockford, Ill. Sewing machines and attachments. Serial Nos. 543,595–6, May 24. Class 23.
Fresno Grape Distributors, Inc., Beverly Hills and Fresno, Calif. Fresh grapes, plums and nectarines. Serial Nos. 547,987–8, May 24. Class 46.
Furman, J. W., Company, Northumberland, Pa. Canned vegetables. Serial No. 545,470, May 24. Class 46.
Garrett & Company, Inc., Brooklyn, N. Y. Wines. Serial Nos. 551,556–7, May 24. Class 47.
Gechtman, Abraham S., Newark, N. J. Preparation to be applied to the face to soften the beard. Serial No. 564,111, May 24. Class 4.
General Detroit Corp., The, Detroit, Mich. Portable fire extinguishers. Serial No. 523,260, May 24. Class 23.
General Dry Batteries, Inc., Lakewood, Ohio. Dry batteries. Serial No. 551,268, May 24. Class 21.
General Electric Credit Corporation, New York, N. Y. Financing time sale contracts and wholesale purchases. Serial No. 560,804, May 24. Class 55.
General Finance Corporation, Chicago, Ill. Finance and loan services. Serial No. 494,500, May 24. Class 55.
General Handkerchief Corporation, New York, N. Y. Handkerchiefs and scarfs. Serial No. 533,014, May 24. Class 39.
General Mills, Inc., Minneapolis, Minn. Printed recipe cards. Serial No. 529,626, May 24. Class 38.
General Tire & Rubber Company, The, Akron, Ohio. Storage batteries. Serial No. 549,020, May 24. Class 21.
Goodman & Suss Clothes Corporation, New York, N. Y. Suits and overcoats for men. Serial No. 548,733, May 24. Class 39.
Goodman & Suss Clothes Corporation, New York, N. Y. Suits and topcoats for men and young men. Serial No. 548,727, May 24. Class 39.
Gradis Company, Inc., New York, N. Y. Combination uplift bra and slip. Serial No. 549,243, May 24. Class 39.
Greif, L., & Bro., Inc., Baltimore, Md. Topcoats, overcoats, coats, etc. Serial No. 522,399, May 24. Class 39.
Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Shoe shine cabinets. Serial No. 551,380, May 24. Class 32.
Grumbacher, M., Inc., New York, N. Y. Artists' paints. Serial No. 543,179, May 24. Class 16.
Grumbacher, M., Inc., New York, N. Y. Artists' brushes. Serial No. 544,082, May 24. Class 29.
Halfhill Company, The, Los Angeles, Calif. Canned fish. Serial No. 506,031, May 24. Class 46.
Hewitt, Charles, & Sons Co.: *See*—
Winston and Newell Company.
Hi-Q Products Co., Chicago, Ill. Canned fruit juices. Serial No. 511,614, May 24. Class 46.
Holtz, Irene L., doing business as Dell Products, Plainfield, N. J. Medicinal ointment. Serial No. 561,240, May 24. Class 6.
Horton & Converse, Los Angeles, Calif. Aspirin compound and codeine. Serial No. 517,999, May 24. Class 6.
Houghton, E. F., & Co., Philadelphia, Pa. Quenching oils. Serial No. 533,576, May 24. Class 15.
Hyman, Bernard, doing business as Atlantic Pencil Company, New York, N. Y. Colored lead pencils. Serial No. 550,414, May 24. Class 37.
Illinois Tool Works, Chicago, Ill. Thread cutting screws, locking screws, assembled screws and washers, etc. Serial No. 534,634, May 24. Class 13.
Independent Tankships, Inc., San Francisco, Calif. Maritime transportation of goods. Serial No. 560,762, May 24. Class 55.
Inland Steel Products Company, Milwaukee, Wis. Metal articles, conductor pipe and conductor pipe elbows, etc. Serial No. 550,516, May 24. Class 12.
International Chemical Workers Union, Akron, Ohio. Chemicals and chemical products. Serial No. 537,044, May 24. Class 6.
International Dress Company, Inc., New York, N. Y. Women's and misses' dresses. Serial Nos. 512,779–80, May 24. Class 39.
International Foot Appliances Limited, London, W. 1, England. Foot arch supports, metatarsal pads, elastic foot cushions and appliances. Serial No. 549,150, May 24. Class 44.
International Silver Company, The, Meriden, Conn. Silverplated flat-ware. Serial No. 564,097, May 24. Class 28.
Iversen, Milton R., doing business as Radio Electric Supply Co., Minneapolis, Minn. Sound record players and amplifying units therefor. Serial No. 538,285, May 24. Class 21.
J & M Products Co., Brooklyn, N. Y. Optical goods. Serial No. 560,275, May 24. Class 26.
Jantsen Knitting Mills Inc., Portland, Greg. Men's, women's, and children's apparel. Serial No. 548,083, May 24. Class 39.
Jensen, Georg, Inc., New York, N. Y. Glassware, fancy goods made of glass. Serial No. 504,561, May 24. Class 33.
Jensen, Georg, Inc., New York, N. Y. Goods made wholly or in part of chinaware or porcelain. Serial No. 504,560, May 24. Class 30.
Kalo Company, The, Quincy, Ill. Minerals and mineral mixtures, and livestock and poultry tonics and remedies. Serial No. 540,825, May 24. Class 6.
Lang, Rose R., Buffalo, N. Y. Prepared cake mixtures. Serial No. 548,659, May 24. Class 46.
Lechter, B., doing business as American Watch Co. of Canada, Montreal, Quebec, Canada. Clocks and watches. Serial No. 566,466, May 24. Class 27.
Leichter, Emil, New York, N. Y. Watches. Serial Nos. 568,202–3, May 24. Class 27.
Leichter, Emil, Watch Co., Inc., New York, N. Y. Watches. Serial No. 556,801, May 24. Class 27.
Leichter, Emil, Watch Co., Inc., New York, N. Y. Watches. Serial No. 560,484, May 24. Class 27.
Leslie Salt Co., Wilmington, Del. Salt. Serial No. 532,409, May 24. Class 46.
Lewis, Lorena, New York, N. Y. Decorative finger nail covers. Serial No. 561,675, May 24. Class 44.
Lipton, Thomas J., Inc., Hoboken, N. J. Tea. Serial No. 534,294, May 24. Class 46.
M. K. M. Hosiery Mills, Inc., Boston, Mass. Hosiery. Serial No. 547,740, May 24. Class 39.
Mackintosh-Hemphill Company, Pittsburgh, Pa. Rough pearlitic alloy cast iron foundry products. Serial No. 525,000, May 24. Class 14.
Maid of California Milk Company, Vallejo, Calif. Butter. Serial No. 533,905, May 24. Class 46.
Manbee Equipment Company, Inc., Chicago, Ill. Apparatus for ganging, checking, balancing, and correcting the alignment, shape, and positioning of wheels, etc. Serial No. 519,965, May 24. Class 26.
Manchester Knitting Mills, Inc., New York, N. Y., and Manchester, Conn. Girls' sweaters. Serial No. 547,925, May 24. Class 39.
Manor Craft Co.: *See*—
Victer, Bernard.
Marquis Recordings, Inc., Princeton, N. J. Mechanically grooved phonograph records and blank phonograph records. Serial No. 551,571, May 24. Class 36.
Marshall Field & Company, Chicago, Ill. Women's handbags. Serial No. 541,823, May 24. Class 3.
Martin's, Brooklyn, N. Y. Ladies' hose, knitted underwear, and underwear of textile fabric, etc. Serial No. 544,363, May 24. Class 39.

Master Surgical Instrument Corp., Irvington, N. J. Hemostatic forceps, holders for surgical needles, tissue forceps, etc. Serial No. 555,550, May 24. Class 44.
McCrory Stores Corporation, New York, N. Y. Knitting yarn. Serial No. 568,966, May 24. Class 43.
McCrory Stores Corporation, New York, N. Y. Dress shields. Serial No. 569,388, May 24. Class 40.
McDonald Manufacturing Company, Los Angeles, Calif. Electrical apparatus. Serial Nos. 549,817–19, May 24. Class 21.
Meridian Plastics Inc., Byesville, Ohio. Plastic sheet laminates. Serial No. 506,607, May 24. Class 12.
Mervin Wave Clip Co., Inc., New York, N. Y. Non-electrical hair wavers and hair curlers. Serial No. 563,265, May 24. Class 40.
Meyer Chemical Company, Detroit, Mich. Parentecal solution. Serial No. 538,402, May 24. Class 6.
Michel, M., & Company, Inc., New York, N. Y. Higher aliphatic alcohols from C_{12} to C_{20}. Serial No. 562,076, May 24. Class 6.
Middleburg Tanning Corporation, Philadelphia, Pa. Sole leather. Serial No. 521,918, May 24. Class 1.
Miles Shoes Incorporated, New York, N. Y. Shoes, slippers, and boots, etc. Serial No. 561,131, May 24. Class 39.
Moorman Manufacturing Company, Quincy, Ill. Publication. Serial No. 498,245, May 24. Class 38.
Movado Watch Agency, Inc., New York, N. Y. Watches. Serial No. 566,436, May 24. Class 27.
Moxie Company, The, Boston, Mass. Non-alcoholic, maltless, carbonated beverage. Serial No. 532,626, May 24. Class 45.
Muchnick, Morris, doing business as Wonder-Aid Products Co., Burbank, Calif. Electrically-driven, garbage disposal unit. Serial No. 550,722, May 24. Class 21.
Mueller, C. F., Co., Jersey City, N. J., now by merger C. F. Mueller Company. Alimentary pastes. Serial No. 534,316, May 24. Class 46.
Mueller, C. F., Company: *See*—
Mueller, C. F., Co.
Mueller Co., Decatur, Ill. Steel forgings and aluminum forgings. Serial No. 545,149, May 24. Class 14.
Nash-De Camp Company, Berkeley, Calif. Fresh deciduous fruits, fresh citrus fruits, and fresh grapes. Serial No. 519,079, May 24. Class 46.
National Aluminate Corporation, Chicago, Ill. Chemical compound. Serial No. 527,759, May 24. Class 6.
National Cylinder Gas Company, Chicago, Ill. Electric arc welding units and machines. Serial No. 544,100, May 24. Class 21.
National Cylinder Gas Company, Chicago, Ill. Chemical fuzes. Serial No. 561,035, May 24. Class 6.
National Cylinder Gas Company, Chicago, Ill. Welding hose. Serial No. 552,481, May 24. Class 35.
Nebel Knitting Company, Charlotte, N. C. Ladies' full fashioned and seamless hosiery. Serial No. 538,436, May 24. Class 39.
Nestle-LeMur Company, The, Meriden, Conn. Hair-treating composition. Serial No. 540,599, May 24. Class 6.
New England Mica Company, Waltham, Mass. Bonded mica insulation. Serial Nos. 551,551–3, May 24. Class 21.
Norwich Knitting Company, Norwich, N. Y. Union suits, undershirts, drawers, etc. Serial No. 547,359, May 24. Class 39.
Nu-Enamel Corporation, Chicago, Ill. Brushes. Serial No. 543,732, May 24. Class 29.
Nulox Corporation of America, New York, N. Y. Hair dressing. Serial No. 564,459, May 24. Class 6.
Oland & Son Ltd., Halifax, Nova Scotia, Canada. Ale and stout. Serial No. 538,443, May 24. Class 48.
Olympic Glove Company, Inc., The, New York, N. Y. Protective apparel. Serial No. 551,192, May 24. Class 39.
Optical Development Corporation, Chicago, Ill. Optical lenses. Serial No. 555,954, May 24. Class 26.
Order of St. Benedict of Florida, The, St. Leo, Fla. Fresh citrus fruits. Serial No. 548,176, May 24. Class 46.
Orowheat Baking Co., Los Angeles, Calif. Bread. Serial No. 528,944, May 24. Class 46.
Pabst Brewing Company, Milwaukee, Wis. Beer. Serial No. 543,733, May 24. Class 48.
Parker Rust Proof Company, Detroit, Mich. Metals and metal castings and forgings. Serial No. 547,026, May 24. Class 14.
Parrott & Co., San Francisco, Calif. Canned fruits, canned vegetables, and canned tomato paste. Serial No. 517,660, May 24. Class 46.
Payne, T. D., Laboratories: *See*—
Payne, Thomas D.
Payne, Thomas D., doing business as T. D. Payne Laboratories, Houston, Tex. Liquid type cleaner. Serial No. 540,704, May 24. Class 4.
Perfection Company, Ltd., The, Waco, Tex. Non-alcoholic, non-cereal, maltless beverages. Serial No. 540,451, May 24. Class 45.
Philippine Embroidery Corp., New York, N. Y. Infant dresses, dress sets, christening sets, etc. Serial No. 562,804, May 24. Class 39.
Photo Refrigeration Equipment Co., Kansas City, Mo. Refrigerated photographic finishing equipment. Serial No. 542,876, May 24. Class 26.
Pidgeon-Thomas Iron Company, Memphis, Tenn. Dry, paste and ready-mixed paints. Serial No. 548,690, May 24. Class 16.
Pioneer Battery Company: *See*—
American Battery Mfg. Company.
Platkins, Incorporated, New York, N. Y. Children's clothing. Serial No. 554,596, May 24. Class 39.
Planada Packers, Planada, Calif. Canned fruits. Serial No. 544,386, May 24. Class 46.
Plibrico Jointless Firebrick Company, Chicago, Ill. Plastic and non-plastic heat insulating material. Serial No. 550,344, May 24. Class 12.
Poliak, Henry, Inc., New York, N. Y. Hat bodies. Serial No. 552,269, May 24. Class 39.
Pruner, A. E., Exeter, Calif. Fresh citrus fruits and fresh deciduous fruits. Serial No. 532,250, May 24. Class 46.
Puget Sound Pulp and Timber Co., Bellingham, Wash. Powdered material obtained substantially entirely from sulphite waste. Serial No. 550,947, May 24. Class 6.
Pyle-National Company, The, Chicago, Ill. Electrical conduit fittings. Serial No. 550,551, May 24. Class 21.
Quinn Publishing Company, Incorporated, Kingston, N. Y. Books. Serial No. 556,485, May 24. Class 38.
Radiant Lamp Corporation, Newark, N. J. Incandescent lamps. Serial No. 550,948, May 24. Class 21.
Radio Electric Supply Co.: *See*—
Iversen, Milton R.
Rare Chemicals, Inc., Harrison, N. J. Hormones for sublingual use. Serial No. 561,686, May 24. Class 6.
Raven Coals, Inc., Beckley, W. Va. Coal. Serial No. 542,352, May 24. Class 1.
Regal Thread and Notion Co., Inc., Philadelphia, Pa. Garment fasteners and pins, etc. Serial No. 513,336, May 24. Class 40.
Register and Tribune Company, The, Des Moines, Iowa. Newspaper and magazine feature. Serial No. 510,277, May 24. Class 38.
Revolvator Company, North Bergen, N. J. Power liftrucks. Serial No. 540,464, May 24. Class 23.
Robinson Brothers Buffalo Ammonia Inc., Brooklyn, N. Y. Cleaning preparations for household use. Serial No. 561,216, May 24. Class 4.
Roebling's, John A., Sons Company, Trenton, N. J. Electrical wire and cable. Serial No. 546,609, May 24. Class 21.
Royal Tailors Inc., The, assignor to Chicago Kahn Bros., Chicago, Ill. Men's suits, vests, trousers, and various types of coats, and for women's suits, skirts, slacks, and various types of coats. Serial No. 525,954, May 24. Class 39.
Royal Tailors Inc., The, assignor to Chicago Kahn Bros., Chicago, Ill. Men's suits, vests, trousers, etc. Serial No. 530,850, May 24. Class 39.
Rubin-Feld, assignor to Rubin-Feld Inc., New York, N. Y. Women's coats and suits. Serial No. 476,700, May 24. Class 39.
Rubin-Feld Inc.: *See*—
Rubin-Feld.
Rudman & Scofield, Inc., New York, N. Y. Sinks, coffee urns, coffee boilers, hot water urns, etc. Serial No. 478,190, May 24. Class 13.
Safon Company, The: *See*—
Betz, Edward F.
Sassoons, Inc., New York, N. Y. Cloth goods. Serial Nos. 552,085–6, May 24. Class 42.
Schuman Farms: *See*—
Schuman, Meyer Co.
Schuman, Meyer Co., also doing business as Schuman Farms, Beverly Hills, and Watsonville, Calif., and Chicago, Ill. Fresh vegetables. Serial No. 548,020, May 24. Class 46.
Seamless Rubber Company, The, New Haven, Conn. Adhesive plasters. Serial No. 553,920, May 24. Class 44.
Seaside Oil Company, Santa Barbara, Calif. Gasoline. Serial No. 556,487, May 24. Class 15.
Sewing Silks Limited, Middlesex, England. Hand knitting yarns. Serial No. 555,456, May 24. Class 43.
Schiller Bros., Union City, N. J. Electrical lamps. Serial No. 550,356, May 24. Class 21.
Scovill Manufacturing Company, Waterbury, Conn. Garden hose clamps, quick connectors, Y-hose connectors, etc. Serial No. 538,666, May 24. Class 13.
Semon, Bache & Company, New York, N. Y. Mirror glass. Serial No. 537,279, May 24. Class 33.
Shelter Manufacturing Co., Brooklyn, N. Y. Seambinding. Serial No. 566,106, May 24. Class 40.
Sherwin Williams Company, The, Cleveland, Ohio. Silk screen outfit. Serial No. 533,316, May 24. Class 50.
Sherwin Williams Company, The, Cleveland, Ohio. Cloth. Serial No. 533,511, May 24. Class 42.
Signode Steel Strapping Company, Chicago, Ill. Load retaining doors and load retaining strips. Serial No. 548,866, May 24. Class 12.
Smiley, J. L., & Co., Seattle, Wash. Canned salmon. Serial No. 548,874, May 24. Class 46.
Snead & Company, Orange, Va. Library bookstacks. Serial No. 552,064, May 24. Class 32.
Sociedade Comercial Dos Vinhos De Mesa De Portugal, Limitada, Oporto, Portugal. Wines. Serial No. 507,029, May 24. Class 47.
Southern Coal Company, Incorporated, Memphis, Tenn. Garden all-purpose tractor. Serial No. 540,849, May 24. Class 23.
Spanos, Peter A., doing business as Span-O-San Manufacturing Co., San Francisco, Calif. Grease trapping and filtering devices. Serial No. 511,908, May 24. Class 13.

Span-O-San Manufacturing Co.: *See*—
Spanos, Peter A.

Spelrein Luggage Corp., Brooklyn, N. Y. Luggage. Serial No. 562,181, May 24. Class 3.

Springs Cotton Mills, The, Lancaster, S. C. Handkerchiefs and diapers. Serial No. 555,205, May 24. Class 39.

Standard Brands Incorporated, New York, N. Y. Gelatin desserts. Serial No. 548,025, May 24. Class 46.

Standard Diary Company, The, Cambridge, Mass. Blank autograph books. Serial No. 557,076, May 24. Class 37.

Standard Shoe Machinery Company, Chicago, Ill. French hammers, cobblers' hammers, nippers. Serial No. 534,201, May 24. Class 23.

Stimpson Computing Scale Company, Louisville, Ky. Computing commodity scales. Serial No. 526,308, May 24. Class 26.

Stock Products, Inc., Woodside, N. Y. Wine beverage. Serial No. 554,832, May 24. Class 47.

Storm Foot Health Shoes, Inc., Wilmington, Del. Shoes and slippers. Serial No. 548,877, May 24. Class 39.

Story & Clark Piano Company, Chicago, Ill. Pianos. Serial No. 526,972, May 24. Class 36.

Stylepark Hats, Inc., Philadelphia, Pa. Men's and boys' hats. Serial No. 545,408, May 24. Class 39.

Swallow Raincoats Limited, Birmingham, England. Women's and girls' outer garments, etc. Serial No. 530,784, May 24. Class 39.

Sweeney and Kephart, Billings, Mont. Applique works. Serial No. 513,592, May 24. Class 40.

Swormco, Washington, D. C. Infants' sleeping garments. Serial No. 548,428, May 24. Class 39.

Syntron Company, Homer City, Pa. Rectifiers of the thermionic tube. Serial No. 549,763, May 24. Class 21.

Talon, Inc., Meadville, Pa. Pillow and mattress covers. Serial No. 527,834, May 24. Class 42.

Tarentum Products Corporation, Tarrentum, Pa. Wrapping paper. Serial No. 552,614, May 24. Class 37.

Taylor & Sledd, Inc., Richmond, Va. Canned peas and canned peaches. Serial No. 544,401, May 24. Class 46.

Thomas Hoist Company, Chicago, Ill. Chucks. Serial No. 541,606, May 24. Class 23.

Thomas & Betts Co., The, Elizabeth, N. J. Electric conduit fittings. Serial No. 547,066, May 24. Class 21.

Tip-Top Products Company, Omaha, Nebr. Liquid solder. Serial No. 554,535, May 24. Class 5.

Triangle Conduit & Cable Co., Inc., New Brunswick, N. J. Non-metallic sheathed electric cable. Serial No. 551,830, May 24. Class 21.

Tubbs Cordage Company, San Francisco, Calif. Hard fiber twine. Serial No. 560,231, May 24. Class 7.

Tupper, Earl S., doing business as Tupper Plastics, assignor to Tupper Plastics, Inc., Farnumsville, Mass. Molded plastic water tumblers. Serial No. 498,040, May 24. Class 2.

Tupper Plastics: *See*—
Tupper, Earl S.

Tupper Plastics, Inc.: *See*—
Tupper, Earl S.

United-Carr Fastener Corporation, Cambridge, Mass. Snap fasteners. Serial No. 497,891, May 24. Class 40.

United Hybrid Growers Association, Shenandoah, Iowa. Hybrid seed corn. Serial No. 532,775, May 24. Class 1.

United Piece Dye Works, The, Lodi, N. J., and New York, N. Y. Dyeing and treating and finishing fabrics. Serial No. 567,057, May 24. Class 55.

United States Plywood Corporation, New York, N. Y. Laminated material comprising plastics and wood. Serial No. 504,870, May 24. Class 12.

Universal Laboratories, Inc., East Orange, N. J. Soaps. Serial No. 560,588, May 24. Class 4.

Universal Producing Company, Fairfield, Iowa. Clothes basket liners. Serial No. 546,136, May 24. Class 2.

Upland Heights Orange Association, Upland, Calif. Fresh citrus fruits. Serial No. 548,348, May 24. Class 46.

Van Dusen Harrington Co., Minneapolis, Minn. Wheat flour. Serial No. 536,187, May 24. Class 46.

Vaughn Machinery Company, The, Cuyahoga Falls, Ohio. Wire drawing machines, wire grinding machines, etc. Serial No. 529,216, May 24. Class 23.

Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets and parts therefor. Serial No. 552,905, May 24. Class 35.

Vieter, Bernard, doing business as Manor Craft Co., New York, N. Y. Children's bathing suits, trunks and playsuits, etc. Serial No. 548,302, May 24. Class 39.

Viking Mercantile Corp., New York, N. Y. Watches. Serial No. 565,464, May 24. Class 27.

Villard, A. T., Blythe, Calif. Fresh vegetables. Serial No. 548,029, May 24. Class 46.

Virginia Metal Products Corporation, Orange, Va. Metal bi-passing doors, door frames, windows, etc. Serial No. 539,371, May 24. Class 12.

W. & S. Packing Company, Salinas, Calif. Fresh vegetables. Serial No. 544,945, May 24. Class 46.

Wagner Manufacturing Company, The, Sidney, Ohio. Pots, kettles, teakettles, etc. Serial No. 530,448, May 24. Class 13.

Walker, Jessie R., Los Angeles, Calif. Decorative sleeve-like candle ornament made of China, crockery or earthenware. Serial No. 511,778–9, May 24. Class 30.

Walworth Company, Boston, Mass. Metal pipe fittings. Serial No. 542,419, May 24. Class 13.

Warren, W., Thread Works, Inc., Westfield, Mass. Spool cotton. Serial No. 553,146, May 24. Class 43.

Watts, Sidney A., New York, N. Y. Hair and clothes brushes. Serial No. 554,748, May 24. Class 29.

Weather-Proof Company, The, Cleveland, Ohio. Auxiliary window and screen. Serial No. 553,793, May 24. Class 12.

Weinig, J., & Son, New York, N. Y. Fur scarfs, stoles, jackets, etc. Serial No. 552,026, May 24. Class 39.

Well Equipment Mfg. Corp., Houston, Tex. Drill collar dope, tool joint dope, and sealing compound. Serial No. 557,708, May 24. Class 12.

Well Equipment Mfg. Corp., Houston, Tex. Drill collar dope, tool joint dope, and sealing compound. Serial No. 557,709, May 24. Class 12.

Westvaco Chlorine Products Corporation, New York, N. Y., Carteret, N. J., South Charleston, W. Va., and Newark, Calif., and other places through the United States, now by change of name and merger to Food Machinery and Chemical Corporation, New York, N. Y. Bottle washing compound. Serial No. 536,571, May 24. Class 4.

Whiting-Adams Company, Inc., Boston, Mass. Artists' brushes, paint brushes. Serial No. 513,351, May 24. Class 29.

Whiting-Adams Company, Inc., Boston, Mass. Artists' brushes, paint brushes. Serial No. 513,356, May 24. Class 29.

Whiting-Adams Company, Inc., Boston, Mass. Artists' brushes, paint brushes. Serial No. 513,359, May 24. Class 29.

Whiting-Adams Company, Inc., Boston, Mass. Artists' brushes, paint brushes. Serial No. 513,362, May 24. Class 29.

Whiting-Adams Company, Inc., Boston, Mass. Artists' brushes, paint brushes. Serial No. 513,366, May 24. Class 29.

Winston and Newell Company, doing business as Charles Hewitt & Sons Co., Minneapolis, Minn., and Wilmington, Del. Canned fruits. Serial No. 541,247, May 24. Class 46.

Winter & Company: *See*—
Winter & Company, Inc.

Winter & Company, Inc., by merger with Winter & Company, New York, N. Y. Piano plates. Serial No. 491,184, May 24. Class 36.

Winsor Manufacturing Company, Woonsocket, R. I. Handkerchiefs. Serial No. 556,046–7, May 24. Class 39.

Winter & Company, Inc., by merger with Winter & Company, New York, N. Y. Piano plates. Serial No. 491,187, May 24. Class 36.

Wonder-Aid Products Co.: *See*—
Muchnick, Morris.

Wonder-Orange Company, Chicago, Ill. Non-alcoholic, maltless beverage. Serial No. 489,634, May 24. Class 45.

Workman Manufacturing Company, The, Chicago, Ill. Devices for the use of accountants and bookkeepers. Serial No. 554,933, May 24. Class 37.

Yeckes-Eichenbaum, Inc., New York, N. Y. Fresh vegetables, fresh deciduous fruits, and fresh citrus fruits. Serial No. 548,555, May 24. Class 46.

Zenith Camera Corporation, Chicago, Ill. Cameras. Serial No. 513,545, May 24. Class 26.

Zenith-Godley Co. Inc., New York, N. Y. Butter. Serial No. 548,445, May 24. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Acheson Colloids Corporation: *See*—
Acheson Oildag Company.

Acheson Oildag Company, to Acheson Colloids Corporation, Port Huron, Mich. Parting compounds for molds. 255,360, renewed Apr. 23, 1949. O. G. May 24. Class 1.

Acme Glove Corporation, Gloversville, N. Y. Ladies' gloves. 510,013, May 24; Serial No. 494,766, published Jan. 18, 1949. Class 39.

Aktiebolaget Formater, Stockholm, Sweden. Cigar and cigarette making machines and other machines, etc. 207,841, Jan. 12, 1926. Republished May 24. Class 28.

Aktiengesellschaft Vormals B. Siegfried, Zofingen, Switzerland, by Gane & Ingram, Inc., New York, N. Y. Pharmaceutical product. 206,658, Dec. 8, 1925. Republished May 24. Class 6.

Altman, B., & Co., New York, N. Y. Articles of clothing for women, misses', and children. 197,115, Apr. 7, 1925. Republished May 24. Class 39.

Altman, B., & Co., New York, N. Y. Draperies, drapery and upholstery fabrics, curtains, etc. 370,800, Sept. 5, 1939. Republished May 24. Class 42.

Altman, B., & Co., New York, N. Y. Dry goods. 250,429, renewed Dec. 11, 1948. O. G. May 24. Classes 39 and 42.

Altman, B., & Co., New York, N. Y. Lingerie for women and misses. 342,572, Jan. 19, 1937. Republished May 24. Class 39.

Altman, B., & Co., New York, N. Y. Shoes, boots, or slippers. 96,624, Apr. 28, 1914. Republished May 24. Class 39.

Altman, B., & Co., New York, N. Y. Wearing apparel. 226,701, Apr. 19, 1927. Republished May 24. Class 39.

American Asphalt Paint Company, by American-Marietta Company, Chicago, Ill. Asphalt paint, asphalt aluminum paint, paint enamels, etc. 331,732, Jan. 21, 1936. Republished May 24. Class 16.

American Cable & Radio Corporation, New York, N. Y. Receipt transmission, and delivery of communications by radio, telephony, telegraphy, etc. 510,132, May 24; Serial No. 549,040, published Feb. 8, 1949. Class 55.

American-Marietta Company: *See*—
American Asphalt Paint Company.

American Stores Company, Philadelphia, Pa. Wheat flour, eggs, and rolled oats. 250,385, renewed Dec. 11, 1948. O. G. May 24. Class 46.

Anaheim Citrus Fruit Association, Anaheim, Calif. Fresh citrus fruits. 259,110, renewed July 23, 1949. O. G. May 24. Class 46.

Ansul Chemical Company, Marinette, Wis. Comminuted, free-flowing, fire-extinguishing dry chemical. 439,295, June 15, 1943. Republished May 24. Class 6.

Arbogast, Fred, and Co., Inc.: *See*—
Arbogast, Fred.

Arbogast, Fred, by Fred Arbogast and Co., Inc., Akron, Ohio. Artificial fish bait. 418,813, Jan. 8, 1946. Republished May 24. Class 22.

Arbogast, Fred, by Fred Arbogast and Co., Inc., Akron, Ohio. Artificial fish bait. 425,291, Nov. 12, 1946. Republished May 24. Class 22.

Ardin, Lucien, Inc., New York, N. Y. Wines. 405,456, Feb. 1, 1944. Republished May 24. Class 47.

Ardin, Lucien, Inc., New York, N. Y. Wines. 405,884, Feb. 29, 1944. Republished May 24. Class 47.

Ardin, Lucien, Inc., New York, N. Y. Wines. 406,155, Mar. 14, 1944. Republished May 24. Class 47.

Ardin, Lucien, Inc., New York, N. Y. Wines. 406,427, Apr. 4, 1944. Republished May 24. Class 47.

Armstrong Paint & Varnish Works, Chicago, Ill. Ready mixed barn paints. 510,073, May 24; Serial No. 538,077, published Feb. 8, 1949. Class 16.

Arnold, F. R., & Company, New York, N. Y., assignors to Parfumerie Roger & Gallet, Société Anonyme, Paris, France, to Roger & Gallet, New York, N. Y. Toilet requisites. 257,894, renewed June 18, 1949. O. G. May 24. Class 6.

Associated Growers, Incorporated, Lodi, Calif. Fresh grapes. 169,263, June 12, 1923. Republished May 24. Class 46.

Atlantic-Pacific Manufacturing Corp.: *See*—
Winner Manufacturing Co. Inc.

Atomix Inc., Mount Cuba, Del. Liquid automobile wax and cleaner. 510,074, May 24; Serial No. 538,706, published Jan. 11, 1949. Class 16.

Barclay & Barclay, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Medicated preparation for the hair, scalp, and skin. 73,059, re-renewed Mar. 16, 1949. O. G. May 24. Class 6.

Barnes, T. Roy, Tulsa, Okla. Anti-acid laxative. 437,857, Mar. 30, 1948. Republished May 24. Class 6.

Bearfoot Sole Company, Inc., The, Boston, Mass. Soles of rubber composition or its equivalent. 253,708, renewed Mar. 5, 1949. O. G. May 24. Class 39.

Bearing Manual Inc., Chicago, Ill. Publication. 510,091, May 24; Serial No. 541,995, published Feb. 15, 1949. Class 38.

Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. 253,349, renewed Feb. 26, 1949. O. G. May 24. Class 42.

Bemis & Call Hardware & Tool Company, Springfield, Mass., by The Billings & Spencer Company, Hartford, Conn. Wrenches. 73,931, June 1, 1909. Republished May 24. Class 23.

Berger, Fred R.: *See*—
Pogue, J. E., Packing House.

Bernstein, Samuel E., by National Silver Company, New York, N. Y. Steel cutlery. 143,909, June 21, 1921. Republished May 24. Class 23.

Billings & Spencer Company, The: *See*—
Bemis & Call Hardware & Tool Company.

Billings Dental Laboratories, Omaha, Nebr. Artificial dentures. 510,157, May 24; Serial No. 554,646. Class 44.

Bloom Brothers Manufacturing Co., The, Kansas City, Mo. Children's apparel. 442,737, May 24; Serial No. 506,637, published May 25, 1948. Class 39.

Bohemian Distributing Company: *See*—
Bohemian Distributing Co. Ltd.

Bohemian Distributing Co. Ltd., by Bohemian Distributing Company, Los Angeles, Calif. Wines. 310,311, Feb. 20, 1934. Republished May 24. Class 47.

Bohn Aluminum and Brass Corporation, Detroit, Mich. Bearings for machinery. 249,460, renewed Nov. 13, 1948. O. G. May 24. Class 23.

Bosch, Johann, Gesellschaft m. b. H. Fabrik fur Asphalt, Dachpappe u. Teerprodukte, Vienna, Austria. Floor polishes. 181,470, renewed Mar. 18, 1949. O. G. May 24. Class 16.

Boss Manufacturing Company, The, Kewanee, Ill., and Brooklyn, N. Y., to The Boss Manufacturing Company, Kewanee, Ill. Gloves and mittens. 254,651, renewed Mar. 26, 1949. O. G. May 24. Class 39.

Botany Mills, Inc., Passaic, N. J. Robes, slacks, sport shirts, etc. 510,042, May 24; Serial No. 531,766, published Feb. 15, 1949. Class 39.

Botany Mills, Inc., Passaic, N. J. Woolen fabrics in the piece and woolen blankets. 510,147, May 24; Serial No. 532,116. Class 42.

Boyd-Richardson Company, St. Louis, Mo. Boys' suits, pants, topcoats, etc. 510,012, May 24; Serial No. 494,736, published Feb. 15, 1949. Class 39.

Bradford, Albert S., by Bradford Bros., Inc., Piscentia, Calif. Fresh citrus fruits. 128,944, Jan. 20, 1920. Republished May 24. Class 46.

Bradford Bros., Inc.: *See*—
Bradford, Albert S.

Brambach Piano Company by Kohler & Campbell Inc., New York, N. Y. Pianos. 89,438, Dec. 17, 1912. Republished May 24. Class 36.

Brandwein, A., & Company, Chicago, Ill. Sofa beds. 510,029, May 24; Serial No. 528,053, published Jan. 18, 1949. Class 32.

Brill Cigars: *See*—
Brill, Maurice W.

Brill, Maurice W., doing business as Brill Cigars, New York, N. Y., to D W G Cigar Corporation, Detroit, Mich. Cigars. 255,227, renewed Apr. 16, 1949. O. G. May 24. Class 17.

Brillo Manufacturing Company, Inc., Brooklyn, N. Y. Pad holders. 260,501, renewed Aug. 27, 1949. O. G. May 24. Class 29.

Brooke Clothes, Incorporated, Baltimore, Md. Men's and youths' clothing. 510,148, May 24; Serial No. 534,990. Class 39.

Brooks Hosiery Mills, by Brooks Hosiery Mills, Inc., Philadelphia, Pa. Hosiery. 245,379, Aug. 14, 1928. Republished May 24. Class 39.

Brooks Hosiery Mills, by Brooks Hosiery Mills, Inc., Philadelphia, Pa. Hosiery. 246,494, Sept. 11, 1928. Republished May 24. Class 39.

Brooks Hosiery Mills, Inc.: *See*—
Brooks Hosiery Mills.

Brown Stove Works, Inc., Cleveland, Tenn. Stoves and ranges. 510,153, May 24; Serial No. 542,075. Class 34.

Bruce, E. L., Co., Memphis, Tenn. Chemical composition for impregnating wood. 252,754, renewed Feb. 12, 1949. O. G. May 24. Class 6.

Brulé, Maurice R., Central Falls, R. I. Woven fabrics. 423,499, Sept. 3, 1946. Republished May 24. Class 42.

Buffalo Flour Mills Corporation, Buffalo, N. Y., by Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 247,264, Sept. 25, 1928. Republished May 24. Class 46.

Bunyan, Paul, Bait Company, by The Paul Bunyan Bait Company, Minneapolis, Minn. Fishing tackle. 421,770, June 18, 1946. Republished May 24. Class 22.

Bunyan, Paul, Bait Company, The: *See*—
Bunyan, Paul, Bait Company.

Burberrys Limited, London, England. Clothing. 510,077, May 24; Serial No. 539,645, published Jan. 18, 1949. Class 39.

Burnitol Manufacturing Co.: *See*—
Eustis, J. P., Mfg. Co.

Butler Brothers, Chicago, Ill. Scissors. 380,216, Aug. 18, 1940. Republished May 24. Class 28.

California Canners Associates, Los Angeles, Calif. Canned fish. 510,036, May 24; Serial No. 529,147, published Dec. 7, 1948. Class 46.

California Fruit Growers Exchange, assignee: *See*—
Exchange Orange Products Company, The.

California Packing Corporation: *See*—
Griffin & Skelley Company.

Campbell-Hausfeld Company, Harrison, Ohio. Machines for spraying liquids. 202,467, Aug. 25, 1925. Republished May 24. Class 28.

Cando Company: *See*—
Cando Corporation, The.

Cando Corporation, The, Cambridge, to Cando Company, Boston, Mass., Deodorisers. 260,302, renewed Aug. 20, 1949. O. G. May 24. Class 6.

Cannon Shoe Company, Baltimore, Md. Shoes. 442,717, May 24; Serial No. 475,856, published Apr. 27, 1948. Class 39.

Carafol-Silverman Company, St. Louis, Mo. Women's wearing apparel. 510,056, May 24; Serial No. 534,998, published Feb. 10, 1948. Class 39.

Cardinet Candy Company Inc., to Cardinet Candy Company, Inc., Oakland, Calif., Candy. 254,182, renewed Mar. 12, 1949. O. G. May 24. Class 46.

Castner, Curran & Bullitt, Philadelphia, Pa., New York, N. Y., etc. Coal. 45,016, Aug. 1, 1905. Disclaimed. O. G. May 24. Class 1.

Castner, Curran & Bullitt, Philadelphia, Pa., New York, N. Y., etc. Coal. 46,016, Aug. 1, 1905. Corrected. O. G. May 24. Class 1.

Ceco Publishing Company: *See*—
Motor City Publishing Company.

Central Press Association, Inc., by The Hearst Corporation, New York, N. Y. Newspaper cartoons. 273,937, Aug. 19, 1930. Republished May 24. Class 38.

Century Cement Corporation, by Century Cement Manufacturing Company, Inc., Rosendale, N. Y. Cement for construction work. 265,528, Dec. 31, 1929. Republished May 24. Class 12.

Century Cement Corporation, by Century Cement Manufacturing Company, Inc., Rosendale, N. Y. Cement for construction work. 273,127, July 22, 1930. Republished May 24. Class 12.

Century Cement Manufacturing Company, Inc.: *See*—
Century Cement Corporation.

Century Metalcraft Corporation, Los Angeles, Calif. Aluminum cooking and serving hollow ware. 370,772, Sept. 5, 1939. Republished May 24. Class 13.

Century Publications, Chicago, Ill. Periodical magazine. 442,740, May 24; Serial No. 521,798, published Feb. 8, 1949. Class 38.

Chadbourn Hosiery Mills, Incorporated: *See*—
Sachsenmaier, Frances.

Charles & Company, by Mission Garden Co. Inc., New York, N. Y. Domestic beverages, staples, jellies, and paste, etc. 191,367, Nov. 4, 1924. Republished May 24. Class

Chase Brass & Copper Co. Incorporated to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Sheet-metal elbows. 257,662, renewed June 18, 1949. O. G. May 24. Class 12.

Chase Brass & Copper Co. Incorporated, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Tubular body members, socket casings, and slip canopies. 257,665, renewed June 18, 1949. O. G. May 24. Class 21.

Chase Brass & Copper Co. Incorporated, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Whistles used by trap drummers. 257,666, renewed June 18, 1949. O. G. May 24. Class 36.

Chase Brass & Copper Co. Incorporated, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Filters. 257,668, renewed June 18, 1949. O. G. May 24. Class 31.

Chase Brass & Copper Co. Incorporated, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Police whistles. 257,674, renewed June 18, 1949. O. G. May 24. Class 22.

Chase Brass & Copper Co. Incorporated, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Brass, copper, and nonferrous alloy sheets, rods, and plain wire; etc. 257,679, renewed June 18, 1949. O. G. May 24. Class 14.

Chase Brass & Copper Co. Incorporated to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Cigarette humidors and ash trays. 257,690, renewed June 18, 1949. O. G. May 24. Class 8.

Chase Brass & Copper Co. Incorporated, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Portable oilers with spouts. 257,780, renewed June 18, 1949. O. G. May 24. Class 2.

Chase Brass & Copper Co. Incorporated to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Acetylene lamps, metal reflectors, and parts therefor. 257,782, renewed June 18, 1949. O. G. May 24. Class 34.

Chase Brass & Copper Co. Incorporated, to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Metallic caps and suspension rings, etc. 257,783, renewed June 18, 1949. O. G. May 24. Class 13.

Chesler, J., & Sons: *See*—
Chesler, J., & Sons Company.

Chesler, J., & Sons Company, by J. Chesler & Sons, Brooklyn, N. Y. Cylinder door locks. 377,773, May 14, 1940. Republished May 24. Class 25.

Chula Vista Citrus Association, The: *See*—
Chula Vista Citrus Association.
Sweetwater Fruit Company.

Chula Vista Citrus Association, by The Chula Vista Citrus Association, Chula Vista, Calif. Fresh citrous fruits. 222,200, Dec. 28, 1926. Republished May 24. Class 46.

Chula Vista Citrus Association by The Chula Vista Citrus Association (1936), Chula Vista, Calif. Fresh citrous fruits. 226,006, Mar. 29, 1927. Republished May 24. Class 46.

Chula Vista Citrus Association, by The Chula Vista Citrus Association (1936), Chula Vista, Calif. Fresh citrous fruits. 226,380, Apr. 5, 1927. Republished May 24. Class 46.

Chula Vista Citrus Association, by The Chula Vista Citrus Association, Chula Vista, Calif. Fresh citrus fruits. 253,859, Mar. 5, 1929. Republished May 24. Class 46.

Chula Vista Citrus Association (1936): *See*—
Chula Vista Citrus Association.

Churchwell, J. H., Company, Jacksonville, Fla. Work pants and work shirts. 442,743, May 24; Serial No. 524,374, published Jan. 25, 1949. Class 39.

Clark, D. L., Company, The, by Clark Brothers Chewing Gum Co., Pittsburgh, Pa. Chewing-gum. 135,947, Oct. 26, 1920. Republished May 24. Class 46.

Clark Brothers Chewing Gom Co.: *See*—
Clark, D. L., Company, The

Clarke, J. N., Limited, Dublin, Eire. Ladies' outerwear. 438,450, Apr. 20, 1948. Republished May 24. Class 39.

Cleveland File Company, The, Cleveland, Ohio, to Heller Brothers Company, Newark, N. J. Files. 252,684–6, renewed Feb. 12, 1949. O. G. May 24. Class 23.

Coachella Valley Grape Growers Asso., Coachella, Calif. Fresh grapes. 249,570, Nov. 20, 1925. Corrected. O. G. May 24. Class 46.

Coe Laboratories, Inc., Chicago, Ill. Dental publications. 510,108, May 24; Serial No. 544,673, published Feb. 8, 1949. Class 38.

Cohen, Goldman & Co. Inc., New York, N. Y. Woven fabric. 256,576–7, renewed May 21, 1949. O. G. May 24. Class 42.

Collins, Asbton B., New York, N. Y. Circulars, booklets, and printed advertising material. 412,578, Mar. 13, 1945. Republished May 24. Class 38.

Colorado Milling & Elevator Co., The: *See*—
Meyer, John F., & Sons Milling Co.

Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 256,755–6, May 21, 1929. Republished May 24. Class 46.

Columbus Show Case Co., The, Columbus, Ohio. Store furniture, case fixtures. 510,052, May 24; Serial No. 534,415, published Feb. 8, 1949. Class 32.

Commander-Larabee Milling Company: *See*—
Buffalo Flour Milla Corporation.
Commander Milling Company.

Commander Milling Company, to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 247,160, renewed Sept. 18, 1948. O. G. May 24. Class 46.

Compton, Jane, Blouses: *See*—
Compton, Jane, Blouses, Inc.

Compton, Jane, Blouses, Inc., Kansas City, Mo., assignee of Jane Compton Blouses. Ladies', misses', and children's blouses, and overshirts. 510,145, May 24; Serial No. 525,335. Class 39.

Continental Carbon Company, New York, N. Y. Carbon black. 367,617, May 23, 1939. Republished May 24. Class 6.

Continental Carbon Company, New York, N. Y. Carbon black. 411,799–800, Feb. 6, 1945. Republished May 24. Class 1.

Continental Corporation, by Continental Products Inc., Chicago, Ill. Spark plugs and distributors, coils, cables, etc. 312,555, May 1, 1934. Republished May 24. Class 21.

Conticental Oil Company: *See*—
Continental Oil Company, The.

Continental Oil Company, The, Denver, Colo., by Continental Oil Company, Ponca City, Okla. Lubricating oils and greases. 166,135, Mar. 27, 1923. Republished May 24. Class 15.

Continental Paint & Varnish Co., Chicago, Ill. Paint enamel. 510,078, May 24; Serial No. 539,659, published Feb. 8, 1949. Class 16.

Continental Products Inc.: *See*—
Continental Corporation.

Cook Laboratories, Inc., Chicago, Ill., to Cook-Waite Laboratories, Inc., New York, N. Y. Cartridges for containing medicaments. 253,266, renewed Feb. 26, 1949. O. G. May 24. Class 44.

Cook-Waite Laboratories, Inc.: *See*—
Cook Laboratories, Inc.

Corona Citrus Association, Corona, Calif. Fresh citrous fruits. 205,754, Nov. 17, 1925. Republished May 24. Class 46.

Corona Citrus Association, Corona, Calif. Fresh citrous fruits. 213,241, May 25, 1926. Republished May 24. Class 46.

Covercraft Company: *See*—
Stringfellow, Carlton B.

Crane Co.: *See*—
Crane Company.

Crane Company, by Crane Co., Chicago, Ill. Machinery packing. 113,356, Oct. 17, 1916. Republished May 24. Class 13.

Crane Company, by Crane Co., Chicago, Ill. Sheet-asbestos packing. 114,228, Dec. 5, 1916. Republished May 24. Class 35.

Crane Company, by Crane Co., Chicago, Ill. Screwed pipe fittings, pipe flanges, screwed and flanged pipe unions, etc. 143,927, June 21, 1921. Republished May 24. Class 13.

Creamette Company, The, Minneapolis, Minn. Spaghetti sance. 510,104, May 24; Serial No. 543,899, published Feb. 8, 1949. Class 46.

Cron and Dehn, Inc.: *See*—
Hodgson and Company Limited.

Cross, Abbott Co., White River Junction, Vt. Tea, coffee, cheese, etc. 99,038, Aug. 11, 1914. Republished May 24. Class 46.

Crown Zellerbach Corporation, also doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif. Paper disposable diaper holders in the nature of panties. 510,092, May 24; Serial No. 542,010, published Jan. 18, 1949. Class 39.

Cudahy Brothers Co., Cudahy, Wis. Glue. 47,847, Nov. 21, 1905. Republished May 24. Class 5.

Cudahy Brothers Company, Cudahy, Wis. Bacon and ham. 122,446, Aug. 20, 1918. Republished May 24. Class 46.

Cudahy Brothers Company, Cudahy, Wis. Vegetable shortening. 352,637, Dec. 7, 1937. Republished May 24. Class 46.

Cudahy Brothers Company, Cudahy, Wis. Smoked meats. 372,712, Nov. 14, 1939. Republished May 24. Class 46.

Cudahy Brothers Company, Cudahy, Wis. Beef and pork products. 372,713, Nov. 14, 1939. Republished May 24. Class 46.

Cudahy Brothers Company, Cudahy, Wis. Lard, spiced pork and beef, etc. 372,901, Nov. 21, 1939. Republished May 24. Class 46.

Cudahy Brothers Co., Cudahy, Wis. Refined edible vegetable oils. 394,616, Apr. 14, 1942. Republished May 24. Class 46.

Cumberland Macaroni Mfg. Company, Cumberland, Md. Macaroni. 260,785, renewed Aug. 27, 1949. O. G. May 24. Class 46.

D W G Cigar Corporation: *See*—
Brill, Maurice W.

Damus, Sbibli S.: *See*—
Highland Exchange Association.

Dandon Sales, Inc., New York, N. Y. Swim caps and baby pants. 442,739, May 24; Serial No. 521,115, published Feb. 15, 1949. Class 39.

Darnee Inc., New York, N. Y., to Rexall Drug Company, Los Angeles, Calif. Toilet preparations. 256,399, renewed May 14, 1949. O. G. May 24. Class 6.

Darnee Inc., New York, N. Y., to Rexall Drug Company, Los Angeles, Calif. Shaving cream. 256,947, renewed May 28, 1949. O. G. May 24. Class 4.

Davis, Richard L., Topeka, Kans. Dog food. 510,071, May 24; Serial No. 537,162, published Feb. 15, 1949. Class 46.

Dehn & Co., Inc.: *See*—
Hodgson and Company Limited.

De Lescinskie, Leonid, New York, N. Y. Perfumes, toilet waters, colognes, etc. 510,143, May 24; Serial No. 522,588. Class 6.

Dellaripa, Dominic J., doing business as Sterling Soap Mfg. Co., Middletown, Conn. Soap powder. 510,135, May 24; Serial No. 504,039. Class 4.

Derby Sportswear, Inc., New York, N. Y. Misses' and junior misses' suits, outer skirts, jackets, etc. 510,022, May 24; Serial No. 518,207, published Feb. 8, 1949. Class 39.

Dianol, Incorporated: *See*—
Spiers, Robert D.

Dickson-Jenkins Manufacturing Company, Fort Worth, Tex. Western style clothing for men and boys. 510,117, May 24; Serial No. 547,241, published Jan. 18, 1949. Class 39.

Diebold, Incorporated, Canton, Ohio. Rotary type visible card filing devices. 510,038, May 24; Serial No. 530,386, published Jan. 18, 1949. Class 32.

Display House, The: *See*—
Lewy, Archie.

Dixie Shirt Company, Inc., Spartanburg, S. C. Outer shirts. 442,746, May 24; Serial No. 525,798, published Feb. 1, 1949. Class 39.

Drake Paint Company, Chicago, Ill. Liquid resinous paint. 510,079, May 24; Serial No. 539,675, published Feb. 8, 1949. Class 16.

Drexel Furniture Company, Drexel, N. C. Bedroom, dining room, and living room furniture. 510,054, May 24; Serial No. 534,883, published Feb. 8, 1949. Class 32.

Drexel Furniture Company, Drexel, N. C. Dinette and bedroom furniture. 510,060, May 24; Serial No. 535,505, published Feb. 15, 1949. Class 32.

Drexel Furniture Company, Drexel, N. C. Dining room furniture. 510,059, May 24; Serial No. 535,498, published Feb. 15, 1949. Class 32.

Dromore Kennels Reg.: *See*—
Shapland, Ernest W.

Duralac Chemical Corporation, Newark, N. J. Dry, paste and ready-mixed paints, varnishes, stains, etc. 256,580, renewed July 9, 1949. O. G. May 24. Classes 12 and 16.

Dutch Mill Candy Co., Chicago, Ill. Candies. 442,728, May 24; Serial No. 506,740, published Feb. 8, 1949. Class 46.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas, and nightgowns. 331,163–6, Dec. 31, 1935. Republished May 24. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas, and nightgowns. 333,741, Apr. 7, 1936. Republished May 24. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas and nightgowns. 333,773, Apr. 7, 1936. Republished May 24. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas, and nightgowns. 333,776, Apr. 7, 1936. Republished May 24. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas, nightgowns. 333,998, Apr. 14, 1936. Republished May 24. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas, and nightgowns. 336,633, July 21, 1936. Republished May 24. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas, and nightgowns. 338,525, Sept. 8, 1936. Republished May 24. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas and nightgowns. 343,376–7, Feb. 16, 1937. Republished May 24. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas, and nightgowns. 346,280, May 18, 1937. Republished May 24. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas, and nightgowns. 360,181, July 18, 1939. Republished May 24. Class 39.

E-Z Chemical Company: *See*—
Gibbs, Malcolm G.

Earlibest Orange Assn.: *See*—
Pogue, J. E., Packing House.

Eaton Manufacturing Company, Cleveland, Ohio. Lock washers. 510,165, May 24; Serial No. 551,880. Class 13.

Elco Tool and Screw Corporation, Rockford, Ill. Catalogs and house organs. 510,049, May 24; Serial No. 533,504, published Feb. 8, 1949. Class 38.

Ellis, George D., & Sons, Incorporated, Philadelphia, Pa. Toy savings banks. 257,494, renewed June 11, 1940. O. G. May 24. Class 22.

Elsworth, J. & J. W. Co., New York, N. Y. Oysters in their natural state. 510,099, May 24; Serial No. 543,582, published Feb. 8, 1949. Class 46.

Empire Paper Company, Chicago, Ill. Ledger and writing paper and bond paper. 262,472, Oct. 15, 1929. Republished May 24. Class 37.

Endicott Johnson Corporation, Endicott, N. Y. Rubber-composition soles and heels, arctics and tennis shoes, etc. 257,065, renewed May 28, 1949. O. G. May 24. Class 39.

Endicott Johnson Corporation, Endicott, N. Y. Tennis and athletic shoes. 245,177, Aug. 7, 1928. Republished May 24. Class 39.

Englander Company, Inc., The: *See*—
Superior Felt & Bedding Company.

Enstis, J. P., Mfg. Co., Portland, Maine, by Butnitol Manufacturing Co., Boston, Mass. Holders. 54,753, June 26, 1906. Republished May 24. Classes 2 and 13.

Evans, George B., Laboratories, Inc., Philadelphia, Pa. Eye lotion and depilatories. 382,601, Oct. 29, 1940. Amended. O. G. May 24. Class 6.

Evanston Sales Company, Evanston, Ill. Women's, misses', and girls' blouses, skirts, sweaters, etc. 442,749, May 24; Serial No. 518,135. Class 39.

Excelsior Shoe Company, The, Portsmouth, Ohio, to General Shoe Corporation, Nashville, Tenn. Shoes and boots. 258,385, renewed July 9, 1949. O. G. May 24. Class 39.

Exchange Orange Products Company, The, Ontario, California, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Pectin solutions, preparations, and compositions consisting of pectin mixed with water, etc. 259,660, renewed Aug. 6, 1949. O. G. May 24. Classes 6, 45, and 46.

Exchange Orange Products Company, The, Ontario, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif. Pectin solutions, pectin compounds, pectin preparations, concentrated fruit juices, etc. 259,661, renewed Aug. 6, 1949. O. G. May 24. Class 45.

Faber, A. W., Inc., to A. W. Faber-Castell Pencil Co., Inc., Newark, N. J. Lead pencils, colored pencils, copying pencils, etc. 259,960–1, renewed Aug. 13, 1949. O. G. May 24. Classes 13 and 37.

Faber-Castell, A. W., Pencil Co., Inc.: *See*—
Faber, A. W., Inc.

Faski Company, The, Pasadena, Calif. Waxes. 510,040, May 24; Serial No. 530,927, published Jan. 11, 1949. Class 16.

Fawcett Publications, Inc.: *See*—
Fawcett, Wilford H.

Fawcett, Wilford H., Minneapolis, Minn., by Fawcett Publications, Inc., Greenwich, Conn. Monthly publication. 163,713, Jan. 23, 1923. Republished May 24. Class 38.

Federal Composition & Paint Company, Inc., The, to The Federal Paint Company, Inc., New York, N. Y. Black bituminous liquid paint. 256,404, renewed May 21, 1949. O. G. May 24. Class 16.

Federal Paint Company, Inc., The: *See*—
Federal Composition & Paint Company, Inc., The.

Fierro, Robert, Martinsburg, W. Va. Fresh deciduous fruits. 408,078, July 18, 1944. Republished May 24. Class 46.

Fine Foods, Inc., Seattle, Wash. Canned vegetables. 510,085, May 24; Serial No. 540,658, published Feb. 8, 1949. Class 46.

Fitz-Gerald & Litrov: *See*—
Miller-Cummings Company, Inc.

Fleming-Hall Tobacco Co., Inc., New York, N. Y. Cigarettes. 439,056, June 1, 1946. Republished May 24. Class 17.

Folker Fabrics Corporation: *See*—
Folker Fabrics, Inc.

Folker Fabrics, Inc., by Folker Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 373,299, Dec. 5, 1939. Republished May 24. Class 42.

Ford Motor Company, Dearborn, Mich. Periodicals. 510,123, May 24; Serial No. 555,492, published Feb. 15, 1949. Class 38.

Foster, M. B., & Sons, Limited, to M. B. Foster & Sons, Limited, London, England. Beer. 73,139, re-renewed Mar. 16, 1949. O. G. May 24. Class 48.

Fox Case Corporation, by Movietonews, Inc., New York, N. Y. Motion pictures. 249,701, Nov. 20, 1928. Republished May 24. Class 26.

Fox Case Corporation, by Movietonews, Inc., New York, N. Y. Motion pictures. 251,623, Jan. 8, 1929. Republished May 24. Class 26.

Frank Tea & Spice Company, The, Cincinnati, Ohio. Prepared mustard. 442,744, May 24; Serial No. 524,696, published Feb. 8, 1949. Class 46.

Frantz Manufacturing Company, Sterling, Ill. Door equipment. 283,724, June 2, 1931. Republished May 24. Class 13.

Free Enterprise Company: *See*—
Free Enterprise Publishing Company, Inc.

Free Enterprise Publishing Company: *See*—
Free Enterprise Publishing Company, Inc.

Free Enterprise Publishing Company, Inc., assignee of Free Enterprise Publishing Company, assignor to Henry J. Jilg, doing business as Free Enterprise Company, Seattle, Wash. Printed periodical publications. 510,015, May 24; Serial No. 502,284, published Feb. 15, 1949. Class 38.

Fuller, Mrs. William M., Fort Worth, Tex. Children's dresses. 310,150, May 24; Serial No. 537,998. Class 39.

Gane & Ingram, Inc.: *See*—
Aktiengesellschaft vormals B., Siegfried.

Gantner & Mattern Company, San Francisco, Calif. Men's, women's, and children's swimsuits, coats, jackets, etc. 442,733, May 24; Serial No. 513,175, published Jan. 18, 1949. Class 39.

Gate City Oil Co., by C. N. Hubbard, Kansas City, Mo. Nonexplosive naphtha compound. 259,966, Aug. 13, 1929. Republished May 24. Class 4.

Gauley, Hugh J., San Francisco, Calif. Wheeled cabinet. 442,725, May 24; Serial No. 502,635, published Jan. 18, 1949. Class 32.

Gaupel, Roland J., doing business as Roland J. Gaupel Company, Los Angeles, Calif. Folding tables. 510,059, May 24; Serial No. 534,268, published Feb. 8, 1949. Class 32.

Gaupel, Roland J., Company: *See*—
Gaupel, Roland J.

Gavilan Citrus Association: *See*—
Holden, Arthur S.

General Foods Corporation, New York, N. Y. Cereal breakfast foods. 510,149, May 24; Serial No. 535,027. Class 46.

General Naval Stores Company, Inc., New York, N. Y., by Newport Industries, Inc., Pensacola, Fla. Pine oil. 257,604–5, June 11, 1929. Republished May 24. Class 6.

General Shoe Corporation: *See*—
Excelsior Shoe Company, The.
Jarman Shoe Company.

Georgia-Carolina Oil Company, Macon, Ga. Lubricating oils and greases. 257,661, renewed June 18, 1949. O. G. May 24. Class 16.

Gerber Garment Company Inc., The, Kansas City, Mo. Misses', ladies', and children's dresses, playsuits, skirts, etc. 519,093, May 24; Serial No. 542,112, published Jan. 18, 1949. Class 39.

Ghirardelli, D., Co., San Francisco, Calif. Ground chocolate, cocoa, bitter sweet chocolate, etc. 438,352, Apr. 13, 1948. Republished May 24. Class 46.

Gibbs, Malcolm G., doing business as Key Chemical Company, by E-Z Chemical Company, Washington, D. C. Laxative medicinal preparation. 191,920, Nov. 25, 1924. Republished May 24. Class 6.

Gibbs, Malcolm G., doing business as Mammy Lou Candy Co., by Peoples Drug Stores, Inc., Washington, D. C. Candy. 226,748, Apr. 19, 1927. Republished May 24. Class 46.

Gillet, Martin & Co. Inc., Baltimore, Md. Tea, coffee, mayonnaise, etc. 510,076, May 24; Serial No. 539,160, published Nov. 23, 1948. Class 46.

Gladke, Robert L., doing business as Pakay Company, Elmira, N. Y. Water soluble douche powder. 510,129, May 24; Serial No. 508,943, published Feb. 15, 1949. Class 6.

Glass, C. A., Co., Inc., Los Angeles, Calif. Fresh boxed apples and prunes. 287,881, Oct. 13, 1931. Republished May 24. Class 46.

Glenforres Glenlivet Distillery Co. Limited, Burnside and Leith, Scotland, and London, England, by William Whiteley & Co. Inc., Dover, Del. Scotch whisky. 292,528, Mar. 15, 1932. Republished May 24. Class 49.

Glenmar Farms: *See*—
Martin, Glenn L.

Glenn, Claudia, Denver, Colo. Bridal gowns. 442,780, May 24; Serial No. 519,248, published Feb. 15, 1949. Class 39.

Gliddan Company, The, Cleveland, Ohio. Ready-mixed paints and enamels. 259,598, renewed Aug. 6, 1949. O. G. May 24. Class 16.

Goldfield, Victor, doing business as Westward Ho Sportswear, Los Angeles, Calif. Girls' and ladies' dresses, slacks, outer shorts, etc. 510,028, May 24; Serial No. 522,348, published Feb. 8, 1949. Class 39.

Great American Tea Company, The, New York, N. Y. Tea. 510,110, May 24; Serial No. 540,371, published Feb. 8, 1949. Class 46.

Green Contracting and Engineering Company, Inc., Wichita, Kans. Services in making applications of plastic coatings. 510,131, May 24; Serial No. 542,309, published Feb. 8, 1949. Class 55.

Greenwald, Alex, doing business as Stork Wise Fashions, Los Angeles, Calif. Women's outer maternity garments. 510,020, May 24; Serial No. 515,659, published Feb. 1, 1949. Class 39.

Gregory & Read Company, Lynn, Mass. Women's boots, shoes, and slippers. 308,791, Dec. 19, 1933. Republished May 24. Class 39.

Griess-Pfleger Tanning Co., The, Waukegan, Ill. Leather. 196,286, July 8, 1924. Republished May 24. Class 1.

Griffin & Skelley Company, to California Packing Corporation, San Francisco, Calif. Canned vegetables. 72,903–4, re-renewed Mar. 2, 1949. O. G. May 24. Class 46.

Griffin & Skelley Company, to California Packing Corporation, San Francisco, Calif. Dried and evaporated fruits and canned fruits. 72,961, re-renewed Mar. 9, 1949. O. G. May 24. Class 46.

Griffin & Skelley Company, to California Packing Corporation, San Francisco, Calif. Dried and evaporated fruits and canned fruits. 73,005, re-renewed Mar. 9, 1949. O. G. May 24. Class 46.

Grove, Howard S., by Howe-Lewis, Inc., Los Angeles, Calif. Toilet lotion. 328,434, Sept. 24, 1935. Republished May 24. Class 6.

Grumbacher, M., Inc., New York, N. Y. Artists' paints. 510,105, May 24; Serial No. 544,086, published Jan. 11, 1949. Class 16.

Haas Baruch & Co., Los Angeles, Calif. Canned vegetables and canned fruits. 258,426, renewed July 9, 1949. O. G. May 24. Class 46.

Haase, Wilbert W., Co., Forest Park, Ill. Burial vaults. 434,078, Nov. 4, 1947. Republished May 24. Class 2.

Hampshire Paper Company, Inc., Holyoke, Mass. Writing paper and mailing envelopes. 435,284, Dec. 16, 1947. Republished May 24. Class 37.

Hartness, Ray A., Weslaco, by Love-Ford Fruit Company, Pharr, Tex. Fresh vegetables. 370,267, Aug. 22, 1939. Republished May 24. Class 46.

Hat Corporation of America, Norwalk, Conn. Periodical. 510,124, May 24; Serial No. 556,671, published Feb. 15, 1949. Class 38.

Hat Corporation of America: *See*—
Knox Hat Company, Inc.

Haywood Publishing Company, Chicago, Ill. Monthly magazine. 510,068–9, May 24; Serial Nos. 536,897–8, published Feb. 15, 1949. Class 38.

Hearst Corporation, The: *See*—
Central Press Association, Inc.
International Feature Service, Inc.
King Feature Syndicate, Inc.

Heller Brothers Company: *See*—
Cleveland File Company, The.

Henny Hat Incorporated, New York, N. Y. Children's and little misses' booties, mittens, socks, etc. 442,719, May 24; Serial No. 486,486, published Jan. 25, 1949. Class 39.

Hewes & Potter, Inc., Boston, Mass. Neckties and cravats. 433,527, Oct. 14, 1947. Amended. O. G. May 24. Class 39.

Highland Exchange Association, Highland, by S. S. Damus, doing business as United Citrus Growers, Colton, Calif. Fresh citrus fruits. 205,940, Nov. 17, 1925. Republished May 24. Class 46.

Highland Exchange Association, Highland, by S. S. Damus, doing business as United Citrus Growers, Colton, Calif. Fresh citrus fruits. 223,400, Feb. 1, 1927. Republished May 24. Class 46.

Hobby Horse, The, Long Beach, Calif. Children's coats, suits, dresses, etc. 510,009, May 24; Serial No. 480,542, published Feb. 1, 1949. Class 39.

Hobe Cie Ltd., New York, N. Y. Pottery, candy boxes, pottery fern dishes, etc. 510,154, May 24; Serial No. 546,874. Class 30.

Hodgson and Company Limited, doing business as Cron and Dehn, Inc., Sydney, New South Wales, Australia, by Dehn & Co., Inc., Seattle, Wash. Canned salmon. 178,539, Jan. 15, 1924. Republished May 24. Class 46.

Holden, Arthur S., doing business as Gavilan Citrus Association, by Gavilan Citrus Association, Arlington, Calif. Fresh citrous fruits. 198,831–8, May 26, 1925. Republished May 24. Class 46.

Hollywood Fashions: *See*—
Leon, Alfred.

Howe-Lewis, Inc.: *See*—
Grove, Howard S.

Hubbard, C. N.: *See*—
Gate City Oil Co.

Hudson, J. L., Company, The, Detroit, Mich. Outer clothing for men, young men, and boys. 257,222, renewed June 4, 1949. O. G. May 24. Class 39.

Hunter, H. B., Co., Inc., Norfolk, Va. Food preparations. 258,313, renewed July 2, 1949. O. G. May 24. Class 46.

Huth-James Shoe, Inc., Waupun, Wis. Shoes. 510,046, May 24; Serial No. 532,592, published Feb. 1, 1949. Class 39.

Imporiginals, Inc., New Rochelle, N. Y. Boys' and girls' suits, jackets, slacks, etc. 510,027, May 24; Serial No. 522,323, published Feb. 8, 1949. Class 39.

Inclinator Company of America, Harrisburg, Pa. Elevators and parts of elevators. 262,948, Oct. 29, 1929. Republished May 24. Class 23.

Indianapolis Glove Company, Indianapolis, Ind. Work gloves. 510,065, May 24; Serial No. 536,815, published Feb. 15, 1949. Class 39.

International Detroit Corporation: *See*—
Newport Rolling Mill Company, The.

International Feature Service, Inc., by The Hearst Corporation, New York, N. Y. Cartoons. 222,183, Dec. 28, 1926. Republished May 24. Class 38.

International Industrial Sales Co.: *See*—
Sleight, Roland E.

International Paint Company, Inc., New York, N. Y. Antifouling bottom paint. 510,066, May 24; Serial No. 540,675, published Jan. 25, 1949. Class 16.

Irvine Citrus Association, The, Santa Ana, Calif. Fresh citrus fruits. 205,945, Nov. 17, 1925. Republished May 24. Class 46.

Ismert-Hincke Milling Company, Kansas City, Mo. Wheat flour. 216,163, Aug. 3, 1926. Republished May 24. Class 46.

Ismert-Hincke Milling Company, Kansas City, Kans., and Kansas City, Mo. Wheat flour. 372,587, Nov. 7, 1939. Republished May 24. Class 46.

Ismert-Hincke Milling Company, Kansas City, Kans., and Kansas City, Mo. Wheat flour. 375,684, Feb. 27, 1940. Republished May 24. Class 46.

J. B. Engineering Sales Company, by Mansaver Industries, Inc., New Haven, Conn. Stock handling machinery. 423,440, Sept. 3, 1946. Republished May 24. Class 23.

Jarman Shoe Company, to General Shoe Corporation, Nashville, Tenn. Boots, shoes, and slippers. 257,482, renewed June 11, 1949. O. G. May 24. Class 39.

Jilg, Henry J.: *See*—
Free Enterprise Publishing Company, Inc.

Joanna Western Mills Company, Chicago, Ill. Window shades and window shade rollers. 510,067, May 24; Serial No. 536,783, published Jan. 18, 1949. Class 32.

Jones, Partridge, & John Paton Limited: *See*—
Pontnewynydd Sheet and Galvanising Company, Limited.

Karl, P., to Karl's Shoe Stores, Ltd., Los Angeles, Calif. Leather shoes. 257,464, renewed June 11, 1949. O. G. May 24. Class 39.

Karl's Shoe Stores, Ltd.: *See*—
Karl, P.

Karpen, S., & Bros., Chicago, Ill. Mattresses, box springs, sofas, etc. 510,094, May 24; Serial No. 542,207, published Feb. 15, 1949. Class 32.

Kellogg, H., & Sons, by W. B. Mackey, doing business under the name and style of H. Kellogg & Sons, Philadelphia, Pa. Canned fruits, canned vegetables, coffee, etc. 182,088, Apr. 1, 1924. Republished May 24. Class 46.

Kentucky Looms, Inc., The, Louisville, Ky. Scarf headpiece. 510,010, May 24; Serial No. 489,073, published Feb. 8, 1949. Class 39.

Key Chemical Company: *See*—
Gibbs, Malcolm G.

Kimble Glass Company, Vineland, N. J., to Owens-Illinois Glass Company, Toledo, Ohio. Glass ampoules. 253,315, renewed Feb. 26, 1949. O. G. May 24. Class 53.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Cartoons. 163,775, Jan. 30, 1923. Republished May 24. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Newspaper section. 228,331, May 31, 1927. Republished May 24. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Comic strip or cartoon. 280,850, Mar. 3, 1931. Republished May 24. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Newspaper or magazine section. 311,043, Mar. 13, 1934. Republished May 24. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Newspaper cartoons. 313,939, June 12, 1934. Republished May 24. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Newspaper cartoons. 315,860, Nov. 6, 1934. Republished May 24. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Cartoons. 320,414, Dec. 25, 1934. Republished May 24. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Cartoon. 323,027, Mar. 26, 1935. Republished May 24. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Newspaper cartoons. 323,574, Apr. 23, 1935. Republished May 24. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Newspaper column. 388,533, July 1, 1941. Republished May 24. Class 38.

Kleven, Samuel L., Hallowell, Maine. Shoes. 435,203, Dec. 16, 1947. Republished May 24. Class 39.

Knox Hat Company, Inc., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Hat brushes. 257,945, June 25, 1929. Republished May 24. Class 29.

Knox Hat Company, Inc., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Hat brushes. 257,948, June 25, 1929. Republished May 24. Class 29.

Kohler & Campbell, Inc.: *See*—
Brambach Piano Company.

Krueger Beverage Company, Newark, N. J. Root beer. 356,931, May 17, 1938. Republished May 24. Class 45.

Krueger Beverage Company, Newark, N. J. Root beer, root beer syrup, and root beer concentrate. 354,077, Feb. 1, 1938. Republished May 24. Class 45.

Krueger Beverage Company: *See*—
Swirla, Inc.

Lander, Irving, doing business as Lander's Shoes, Philadelphia, Pa. Shoes. 442,751, May 24; Serial No. 522,066. Class 39.

Landers, Frary & Clark, New Britain, Conn. Corn grinders, corn mills, and coffee mills. 258,220, renewed July 2, 1949. O. G. May 24. Class 23.

Landers, Frary & Clark, New Britain, Conn. Knives. 254,402, renewed Mar. 28, 1949. O. G. May 24. Class 23.

Lander's Shoes: *See*—
Lander, Irving.

Lang, C. C., & Son, Incorporated, Baltimore, Md. Pickles, pickled onions, and sweet relishes, etc. 359,378, Aug. 16, 1938. Republished May 24. Class 46.

Lanman & Kemp-Barclay & Co., Incorporated: *See*—
Barclay & Barclay.

Lanvin-Parfums, Inc., New York, N. Y. Toilet water and cologne. 510,160, May 24; Serial No. 561,316. Class 6.

Lawrence, W. W., & Company, Pittsburgh, Pa. Paint. 510,075, May 24; Serial No. 538,792, published Jan. 11, 1949. Class 16.

Lee, James W., Portland, Oreg. Hair nets, snoods, etc. 519,139, May 24; Serial No. 516,775. Class 39.

Lees, James, and Sons Company, Bridgeport, Pa. Yarns. 439,619, July 6, 1948. Republished May 24. Class 43.

Lees, James, and Sons Company, Bridgeport, Pa. Yarns. 519,158, May 24; Serial No. 558,893. Class 43.

Legge, Walter G., Company, Inc., New York, N. Y. Liquid non-slip polish. 510,044, May 24; Serial No. 532,142, published Feb. 8, 1949. Class 16.

Leggett & Platt, Inc., Carthage, Mo. Bed-springs. 510,103, May 24; Serial No. 543,816, published Feb. 15, 1949. Class 32.

Lehn & Fink Products Corporation: *See*—
Special Formula Corporation, The.

Leon, Alfred, doing business as Hollywood Fashions, Los Angeles, Calif. Ladies' coats and suits. 442,718, May 24; Serial No. 482,934, published Feb. 19, 1946. Class 39.

Lewy, Archie, doing business as The Display House, Philadelphia, Pa. Display stands. 510,014, May 24; Serial No. 497,314, published Feb. 15, 1949. Class 32.

Linick, Eddie, New York, N. Y. Fabric gloves and mittens. 510,146, May 24; Serial No. 529,478. Class 39.

Link Aviation Devices, Inc., Fenton, N. Y., now by change of name Link Aviation, Inc., by Link Aviation, Inc., Binghamton, N. Y. Grounded apparatus. 438,568, May 4, 1948. Republished May 24. Class 26.

Link Aviation, Inc.: *See*—
Link Aviation Devices, Inc.

Loeb, Dorothy: *See*—
Sealfon, Gilbert, and Loeb.

Love-Ford Fruit Company: *See*—
Hartness, Ray A.

Mackey, William B.: *See*—
Kellogg, H., & Sons.

MacMillan Petroleum Corporation, Los Angeles, Calif. Petroleum products. 302,949–50, May 2, 1933. Republished May 24. Class 15.

Maison Geiswedler & Fils, Societe Anonyme: *See*—
Regnier de Nuits, M. L.

Mammy Lou Candy Co.: *See*—
Gibbs, Malcolm G.

Manile Jewelry Co., Inc., Hammond, Ind., and New York, N. Y. Diamond finger rings, lockets, crosses, etc. 510,144, May 24; Serial No. 522,642. Class 28.

Mansaver Industries, Inc.: *See*—
J. B. Engineering Sales Company.

Mantell, Herman, New York, N. Y. Lingerie. 510,138, May 24; Serial No. 516,558. Class 39.

Manufacturing Industries, Inc., New York, N. Y. Paints, varnishes, lacquers, etc. 510,072, May 24; Serial No. 538,918, published Jan. 11, 1949. Class 16.

Marlboro Shirt Company, Inc., Baltimore, Md. Men's dress shirts and collars. 256,212, renewed May 7, 1949. O. G. May 24. Class 39.

Marquis, A. N., Company, The, Chicago, Ill. Publication. 510,109, May 24; Serial No. 545,141, published Feb. 15, 1949. Class 38.

Marshall Field & Company, Chicago, Ill., by Vesta Underwear Company, Pawtucket, R. I. Sleeping garments and women's and children's knitted underwear. 288,778, Nov. 3, 1931. Republished May 24. Class 39.

Martin, Glenn L., doing business as Glenmar Farms, Chestertown, Md. Fresh vegetables. 510,133, May 24; Serial No. 473,387. Class 46.

Martini Frocks, New York, N. Y. Women's and young misses' evening gowns, hostess gowns, dresses and suits. 442,721, May 24; Serial No. 492,329, published July 22, 1947. Class 39.

Mason, Au and Magenheimer Confectionery Manufacturing Company, New York, by Mason, Au & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y. Candy. 80,680, Dec. 31, 1912. Republished May 24. Class 46.

Mason, Au & Magenheimer Conf. Mfg. Co.: *See*—
Mason, Au and Magenheimar Confectionery Manufacturing Company.

Matchless Metal Polish Co., The, Chicago, Ill., and Glen Ridge, N. J. Buffing and/or polishing composition. 323,758, Apr. 30, 1935. Republished May 24. Class 4.

Maternally Yours, Inc.: *See*—
Realton, Gilbert, and Loeb.

Mato-Mix, Inc., Stockton, Calif. Canned concentrated purée of tomatoes. 510,024, May 24; Serial No. 519,767, published Nov. 30, 1948. Class 46.

Mawer-Gulden-Annis, Inc., New York, N. Y. Preserved cherries. 510,061, May 24; Serial No. 535,728, published Jan. 25, 1949. Class 46.

McCallum & Craigie, Limited, Shettleston, Glasgow, Scotland. Woolen blankets. 255,879, renewed Apr. 30, 1949. O. G. May 24. Class 42.

McCormick & Company, Inc., Baltimore, Md. Poultry seasoning, rubbed sage, powdered sage, etc. 510,063, May 24; Serial No. 534,798, published Feb. 15, 1949. Class 46.

McSweeny Bros., Temecula, Calif. Fresh carrots. 442,736, May 24; Serial No. 518,023, published Oct. 5, 1948. Class 46.

Meehanite Metal Corporation, Chattanooga, Tenn., and New Rochelle, N. Y. Publication. 510,047, May 24; Serial No. 533,339, published Feb. 15, 1949. Class 38.

Mepham, Geo. S., Corporation, assignor to C. K. Williams & Co., East St. Louis, Ill. Natural iron oxide pigments adapted especially for metal-protective priming paints. 510,100, May 24; Serial No. 543,639, published Jan. 11, 1949. Class 16.

Merlino, D., & Sons: *See*—
Merlino, Domenico.

Merlino, Domenico, doing business as D. Merlino & Sons, Oakland, Calif. Alimentary paste products. 510,062, May 24; Serial No. 535,731, published Feb. 8, 1949. Class 46.

Mesta Machine Company, West Homestead and Pittsburgh, to Mesta Machine Company, West Homestead, Pa. Rolling-mill rolls. 254,927, renewed Apr. 2, 1949. O. G. May 24. Class 23.

Meyer, John F., & Sons Milling Co., St. Louis and Springfield, Mo., by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 73,589, May 4, 1909. Republished May 24. Class 46.

Meyers, Louis, & Son, Inc., New York, N. Y. Fabric gloves. 510,159, May 24; Serial No. 559,310. Class 39.

Midland Coal Corporation, The: *See*—
Midland Coal Sales Company.

Midland Coal Sales Company, by The Midland Coal Corporation, Cincinnati, Ohio. Coal. 265,506, Dec. 31, 1929. Republished May 24. Class 1.

Midland Coal Sales Company, by The Midland Coal Corporation, Cincinnati, Ohio. Coal. 276,053, Oct. 7, 1930. Republished May 24. Class 1.

Miller-Cummings Company, Inc., New York, N. Y., by Fitz-Gerald & Litrov, El Centro, Calif. Fresh cantaloupes, fresh casba melons, fresh honey dew melons, etc. 173,385, Sept. 25, 1923. Republished May 24. Class 46.

Minnesota Linseed Oil Paint Co., Minneapolis, Minn., now by change of name Minnesota Paints Inc. Varnish. 510,034, May 24; Serial No. 527,677, published Feb. 8, 1949. Class 16.

Minnesota Paints Inc.: *See*—
Minnesota Linseed Oil Paint Co.

Minot, Hooper & Co., New York, N. Y. Cotton piece goods. 180,003, Feb. 19, 1924. Republished May 24. Class 42.

Minot, Hooper & Co., New York, N. Y. Cotton piece goods. 216,263, Aug. 10, 1926. Republished May 24. Class 42.

Min Sun Trading Company, Chicago, Ill. Chow mein noodles, soy sauce, bamboo shoots, etc. 442,734, May 24; Serial No. 514,616, published Feb. 8, 1949. Class 46.

Mission Garden Co. Inc.: *See*—
Charles & Company.

Mitchell Brothers Limited, Glasgow, Scotland. Blended scotch whiskies. 78,476, re-renewed Apr. 20, 1949. O. G. May 24. Class 49.

Moench, Norma H., Chicago, Ill. Foundation garments. 510,008, May 24; Serial No. 476,169, published Jan. 25, 1949. Class 39.

Mooresville Cotton Mills, by Mooresville Mills, Mooresville, N. C. Rayon piece goods. 417,167, Oct. 16, 1945. Republished May 24. Class 42.

Mooresville Mills: *See*—
Mooresville Cotton Mills.

Morgan, Clyde G., Chicago, Ill. Desks. 510,116, May 24; Serial No. 547,140, published Feb. 15, 1949. Class 32.

Moriarty Manufacturing Co., Kenosha, Wis. Curtain rods. 442,748, May 24; Serial No. 492,151. Class 13.

Mosco, C. A., Company, Chicago, Ill. Antiseptic preparation. 418,252, Dec. 11, 1945. Republished May 24. Class 6.

Mosco, C. A., Company: *See*—
Shipman, Clara M.

Mosco, C. A., Laboratories: *See*—
Shipman, Clara M.

Motor City Publishing Company, by Ceco Publishing Company, Detroit, Mich. Monthly publication. 371,304, Sept. 19, 1939. Republished May 24. Class 38.

Mouakad Bros., by Mouakad Bros., Inc., New York, N. Y. Silk crepe de chine. 337,521, Aug. 11, 1936. Republished May 24. Class 42.

Mouakad Bros., Inc.: *See*—
Mouakad Bros.

Movietonews, Inc.: *See*—
Fox Case Corporation.

N. V. Tot Voorts, Der Zaken Van Pieter Schoen & Zoon, by Pieter Schoen & Zoon N. V., Zaandam, Netherlands. Glazer's putty; stiff, dry, paste, and ready-mixed paint; oils. 324,608, May 21, 1935. Republished May 24. Classes 12 and 16.

Nash Engineering Company, The, South Norwalk, Conn. Pump strainers, sewage ejectors, bilge pumps, etc. 254,738, renewed Mar. 29, 1949. O. G. May 24. Class 23.

Nata Products Company: *See*—
Crown Zellerbach Corporation.

National Association of County Agricultural Agents, Springfield, Mo. Magazine. 510,089, May 24; Serial No. 541,440, published July 6, 1948. Class 38.

National Association of County Officials, Wilmington, Del., and Washington, D. C. Magazine. 442,735, May 24; Serial No. 515,847, published Jan. 20, 1948. Class 38.

National Broom Manufactnring Company, Pueblo, Colo. Brooms. 296,071, July 19, 1932. Republished May 24. Class 29.

National Broom Manufacturing Company: *See*—
Wheatley, W. T.

National Broom Mfg. Co.: *See*—
Wheatley, W. T.

National Paper Products Co., The: *See*—
Crown Zellerbach Corporation.

National Safety Council, Chicago, Ill. Various educational publications. 510,030, May 24; Serial No. 523,791, published Feb. 8, 1949. Class 38.

National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow ware and tableware. 369,795, Aug. 1, 1939. Republished May 24. Class 28.

National Silver Company, New York, N. Y. Knives, forks, spoons, and other tableware. 378,408, June 11, 1940. Republished May 24. Class 28.

National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow ware and tableware. 384,531, Jan. 21, 1941. Republished May 24. Class 28.

National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow ware and tableware. 427,427, Feb. 11, 1947. Republished May 24. Class 28.

National Silver Company: *See*—
Bernstein, Samuel E.

Nestle Company, Inc., The: *See*—
Nestle's Milk Products, Inc.

Nestle's Milk Products, Inc., New York, N. Y., now by change of name The Nestle Company, Inc. Powdered milk. 442,720, May 24; Serial No. 492,273, published Mar. 26, 1946. Class 46.

Neuhoff, Fred B., doing business as Fred B. Neuhoff Company, Los Angeles, by Ornard Canners, Inc., Monterey, Calif. Canned sardines. 183,792, May 6, 1924. Republished May 24. Class 46.

Neuhoff, Fred B., Company: *See*—
Neuhoff, Fred B.

Newman, I., & Sons, Incorporated, New Haven, Conn. Corsets. 510,114, May 24; Serial No. 546,021, published Jan. 18, 1949. Class 39.

Newport Company, The, Carrollville, Wis., by Newport Industries, Inc., Pensacola, Fla. Rosin. 264,640, Dec. 3, 1929. Republished May 24. Class 1.

Newport Company, The, Carrollville, Wis., by Newport Industries, Inc., Pensacola, Fla. Turpentine. 267,003-4, Feb. 11, 1930. Republished May 24. Class 16.

Newport Industries, Inc.: *See*—
General Naval Stores Company, Inc.
Newport Company, The.

Newport Rolling Mill Company, The, Newport, Ky., by International Detrola Corporation, Detroit, Mich. Corrugated culverts, plain conductor-pipes, round corrugated conductor-pipes, etc. 120,995, Mar. 19, 1918. Republished May 24. Class 13.

New York Feather Co., Brooklyn, N. Y. Pillows. 510,120, May 24; Serial No. 548,601, published Feb. 8, 1949. Class 32.

New York Knitting Mills, New York, N. Y. Men's, women's, boys', and girls' knitted outerwear. 429,981, June 3, 1947. Republished May 24. Class 39.

Nissen's, Oklahoma City, Okla. Shoes. 442,729, May 24; Serial No. 508,337, published Jan. 25, 1949. Class 39.

Nivada Watch Corporation, New York, N. Y. Watches. 422,453, July 23, 1946. Republished May 24. Class 27.

Norcross, Inc., New York, N. Y. Greeting card, printed greeting folders, calendars, etc. 442,741, May 24; Serial No. 522,061, published Feb. 8, 1949. Class 38.

Norris, Incorporated, Atlanta, Ga. Candy. 348,408, July 27, 1937. Republished May 24. Class 46.

Nu-Enamel Corporation, Chicago, Ill. Liquid paint enamel. 510,017, May 24; Serial No. 512,130, published Feb. 8, 1949. Class 16.

Ohmite Manufacturing Company, by Ohmite Manufacturing Company (1943), Chicago, Ill. Resistors. 252,608, Feb. 12, 1929. Republished May 24. Class 21.

Ohmite Manufacturing Company (1943): *See*—
Ohmite Manufacturing Company.

Old Virginia Packing Co., Inc., Front Royal, Va. Mince meat. 510,055, May 24; Serial No. 534,916, published Jan. 25, 1949. Class 46.

Oneida Ltd., Oneida, N. Y. Silverplated flat tableware. 439,824-6, July 6, 1946. Republished May 24. Class 28.

Opinion Research Corporation, Princeton, N. J. Magazine. 510,122, May 24; Serial No. 549,572, published Feb. 8, 1949. Class 38.

Ostrowitz, Sidney, doing business as Standard Confections Co., Brooklyn, N. Y. Candy. 510,115, May 24; Serial No. 548,098, published Feb. 8, 1949. Class 46.

Owens-Illinois Glass Company: *See*—
Kimble Glass Company.

Oxnard Canners, Inc.: *See*—
Neuhoff, Fred B.

Pakay Company: *See*—
Gladke, Robert L.

Pal, Inc., Washington, D. C. Fruit flavored, non-alcoholic, maltless beverages. 432,419, Sept. 2, 1947. Republished May 24. Class 46.

Palmer, W. B., Estate, doing business as Palmer Candy Company, Sioux City, Iowa. Candy. 510,084, May 24; Serial No. 540,103, published Feb. 8, 1949. Class 46.

Palmer Candy Company: *See*—
Palmer, W. B., Estate.

Parfumerie Roger & Gallet, Société Anonyme, assignee: *See*—
Arnold, F. R., & Company.

Park & Pollard Co. Inc., The, Buffalo, N. Y. Dog food. 303,195, Jan. 27, 1942. Corrected. O. G. May 24. Class 46.

Parsons & Baker Company, The, Phoenixville, Pa. Ladies' underwear. 160,266, Oct. 17, 1922. Republished May 24. Class 39.

Parsons & Baker Company, The, Phoenixville, Pa. Ladies' one and two piece knitted underwear. 209,379, Feb. 23, 1926. Republished May 24. Class 39.

Parsons & Baker Company, The, Phoenixville, Pa. Ladies', children's, men's, and boys' cotton knit underwear. 314,324, June 26, 1934. Republished May 24. Class 39.

Parsons & Baker Company, The, Phoenixville, Pa. One, two and three piece ladies' knitted underwear. 223,716, Feb. 8, 1927. Republished May 24. Class 39.

Parsons & Baker Company, The, Phoenixville, Pa. Men's and children's knit underwear. 308,312, Nov. 28, 1933. Republished May 24. Class 39.

Pastene, P., & Co., Inc., also doing business as Purity Products Company, Boston, Mass., to Pastene & Co., Inc., New York, N. Y. Macaroni. 251,729, renewed Jan. 15, 1949. O. G. May 24. Class 46.

Pastene & Co., Inc.: *See*—
Pastene, P., & Co. Inc.

Peerless Brush Mfg. Co., Burlington, Vt. Shaving brushes. 510,142, May 24; Serial No. 520,896. Class 29.

Pepsi-Cola Inc., Chicago, Ill., and New York, N. Y. Periodical. 510,125, May 24; Serial No. 555,764, published Feb. 15, 1949. Class 38.

Peoples Drug Stores, Inc.: *See*—
Gibbs, Malcolm G.

Perham Fruit Company, by Perham Fruit Corporation, Yakima, Wash. Fresh apples and fresh pears. 205,135-7, Nov. 3, 1925. Republished May 24. Class 46.

Perham Fruit Corporation: *See*—
Perham Fruit Company.

Phelan-Faust Paint Manufacturing Company, by Phelan-Faust Paint Mfg. Co., St. Louis, Mo. Enamel paint. 120,422, Feb. 5, 1918. Republished May 24. Class 16.

Phelan-Faust Paint Mfg. Co.: *See*—
Phelan-Faust Paint Manufacturing Company.

Phelan-Faust Paint Mfg. Co., St. Louis, Mo. House paint, concrete paint, and paint colors. 510,048, May 24; Serial No. 533,355, published Jan. 11, 1949. Class 16.

Philadelphia Chewing Gum Corporation, The, Philadelphia, Pa. Chewing gum. 510,097, May 24; Serial No. 543,324, published Dec. 28, 1948. Class 46.

Phillips Petroleum Company, Bartlesville, Okla. Gasolines. 254,024, Apr. 2, 1929. Amended. O. G. May 24. Class 15.

Phillips-Jones Corporation, New York, N. Y. Sport shirts, pajamas and neckties. 442,747, May 24; Serial No. 525,943, published Feb. 22, 1949. Class 39.

Phinny Brothers Company, by Quaker State Oil Refining Corporation, Oil City, Pa. Lubricating oils and greases, fuel and illuminating oils, road-oils, etc. 145,778, Aug. 16, 1921. Republished May 24. Class 15.

Pieter Schoen & Zoon N. V.: *See*—
N. V. Tot Voorts, Der Zaken Van Pieter Schoen & Zoon.

Pioneer Suspender Company, Philadelphia, Pa. Garment-supporting braces. 510,033, May 24; Serial No. 527,381, published Feb. 1, 1949. Class 39.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Varnishes, lacquers, paint enamels, etc. 253,224, renewed Feb. 19, 1949. O. G. May 24. Class 16.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Canvas sealer, masking liquid and polish and cleaner, etc. 442,737, May 24; Serial No. 518,559, published Feb. 8, 1949. Class 16.

Pogue, J. E., Packing House.
622 O. G.—79a

Pogue, J. E., Packing House, also doing business as J. E. Pogue, assignor to F. R. Berger, doing business as Earlibest Orange Assn., Lemon Cove, Calif. Fresh citrus fruits. 510,101, May 24; Serial No. 543,743, published Dec. 21, 1948. Class 46.

Pogue, J. E., Packing House, assignor to F. R. Berger, doing business as Earlibest Orange Assn., Lemon Cove, Calif. Fresh citrus fruits. 510,102, May 24; Serial No. 543,744, published Dec. 21, 1948. Class 46.

Pomona Fruit Growers Exchange, Pomona, Calif. Fresh citrus fruits. 234,675, Nov. 1, 1927. Republished May 24. Class 46.

Pomona Fruit Growers Exchange, Pomona, Calif. Fresh citrus fruits. 245,832, Aug. 21, 1928. Republished May 24. Class 46.

Pontnewynydd Sheet and Galvanizing Company, Limited, London, and Pontnewynydd, near Pontypool, England, to Partridge Jones & John Paton Limited, Newport, Wales. Steel and iron sheets. 74,295, re-renewed June 29, 1949. O. G. May 24. Class 14.

Pontnewynydd Sheet and Galvanizing Company, Limited, London, and Pontnewynydd, near Pontypool, England, to Partridge Jones & John Paton Limited, Newport, Wales. Sheet iron, galvanized or otherwise. 74,296, re-renewed June 29, 1949. O. G. May 24. Class 14.

Portis Style Industries, Inc., Chicago, Ill. Ear muffs. 510,043, May 24; Serial No. 531,947, published Feb. 1, 1949. Class 39.

Portland Packing Co., Portland, Maine. Canned vegetables. 510,119, May 24; Serial No. 548,406, published Feb. 1, 1949. Class 46.

Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo. 439,291, June 15, 1948. Republished May 24. Class 6.

Purfex Mfg. Co., Inc., Philadelphia, Pa. Liquid preparation for fabric cleaners, metal polish, nickel polish, etc. 256,426, renewed May 14, 1940. O. G. May 24. Class 4.

Purfex Mfg. Co., Inc., Philadelphia, Pa. Penetrating oil; spraying gun oil, etc. 257,621, renewed June 11, 1940. O. G. May 24. Class 15.

Purity Products Company: *See*—
Pastene, P., & Co., Inc.

Quaker State Oil Refining Corporation: *See*—
Phinny Brothers Company.

Raybestos-Manhattan, Inc.: *See*—
Royal Equipment Company.

Realart Silk Hosiery Mills: *See*—
Sachsenmaier, Frances.

Redhurd Corporation, Terre Haute, Ind. Pure concentrated whole eggs and yolks. 510,111, May 24; Serial No. 545,392, published Feb. 8, 1949. Class 46.

Reeder, Oliver, & Son, Incorporated, Baltimore, Md. Anti-fouling composition in the nature of a paint. 510,116, May 24; Serial No. 546,512, published Feb. 8, 1949. Class 16.

Régnier de Nuits, M. L., Nuits-Saint Georges, by Maison Gelewetter & Fils, Societe Anonyme, Nuits-St.-Georges, France. Wines. 315,304, July 24, 1934. Republished May 24. Class 47.

Reider Shoe Mfg. Co., Inc., Schuylkill Haven, Pa. Shoes. 510,037, May 24; Serial No. 530,336, published Jan. 25, 1949. Class 39.

Resinous Products & Chemical Company, The, by Rohm & Haas Company, Philadelphia, Pa. Synthetic resinous materials. 438,701, May 11, 1948. Republished May 24. Class 1.

Resinous Products & Chemical Company, The, by Rohm & Haas Company, Philadelphia, Pa. Synthetic resinous materials. 438,855, May 11, 1948. Republished May 24. Class 1.

Respro Inc., Cranston, R. I. Fabrics. 438,704, May 11, 1948. Republished May 24. Class 42.

Rexall Drug Company: *See*—
Darnee Inc.

Rhodes, J. C., & Co. Incorporated, to United Shoe Machinery Corporation, Boston, Mass. Eyelets. 256,432, renewed May 14, 1949. O. G. May 24. Class 13.

Richgrove-Jasmine Citrus Association, Richgrove, Calif. Fresh citrus fruits. 442,750, May 24; Serial No. 519,539. Class 46.

Riegel Textile Corporation: *See*—
Ware Shoals Manufacturing Company.

Rockwell Manufacturing Company, Pittsburgh, Pa. Publications. 510,126, May 24; Serial No. 535,770, published Feb. 15, 1949. Class 38.

Rockwell Manufacturing Company, Pittsburgh, Pa. House organ published from time to time. 510,127, May 24; Serial No. 535,950, published Feb. 15, 1949. Class 38.

Roger & Gallet: *See*—
Arnold, F. R., & Company.

Roger & Gallet, Paris, France, to Roger & Gallet, New York, N. Y. Toilet extracts, essences, oils, waters, etc. 33,003, re-renewed June 20, 1949. O. G. May 24. Classes 4 and 6.

Rohm & Haas Company: *See*—
Resinous Products & Chemical Company, The.

Rosenstein, Ben, New York, N. Y. Women's wash dresses. 442,745, May 24; Serial No. 525,682, published Jan. 18, 1949. Class 39.

Bowse, Frank J., Pawtucket, R. I. Face cloths or towels and handkerchiefs. 100,326, Mar. 28, 1916. Republished May 24. Classes 39 and 42.

Royal Equipment Company, Bridgeport, Conn., to Raybestos-Manhattan, Inc., Passaic, N. J. Brake pads and clutch pads for vehicle brakes and clutches. 74,306, renewed June 29, 1940. O. G. May 24. Class 35.

Rushmore Paper Mills Inc.: *See*—
Schildge, George W.

Russell Manufacturing Company, The, Middletown, Conn. Belting. 259,146, renewed July 23, 1949. O. G. May 24. Class 35.

Sachsenmaier, Frances, doing business as Realart Silk Hosiery Mills, Philadelphia, Pa., to Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C. Hosiery. 249,750, renewed Nov. 20, 1948. O. G. May 24. Class 39.

Sachsenmaier, Frances, doing business as Realart Silk Hosiery Mills, Philadelphia, Pa., to Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C. Hosiery. 252,234, renewed Jan. 29, 1949. O. G. May 24. Class 39.

Sachsenmaier, Frances, doing business as Realart Silk Hosiery Mills, Philadelphia, Pa., to Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C. Hosiery. 253,162, renewed Feb. 19, 1949. O. G. May 24. Class 39.

Saks, M. J., Shoe Corp., New York, N. Y. Women's shoes. 442,732, May 24; Serial No. 511,963, published Feb. 15, 1949. Class 39.

Sanitek Products Company, assignor to Sanitex Products, Inc., Los Angeles, Calif. Floor wax. 442,726, May 24; Serial No. 502,769, published Feb. 8, 1949. Class 16.

Sanitex Products, Inc.: *See*—
Sanitek Products Company.

Schiff Company, The, Columbus, Ohio, now by change of name Shoe Corporation, of America. Shoes. 510,016, May 24; Serial No. 503,907, published Jan. 18, 1949. Class 39.

Schiff Company, The, Columbus, Ohio, now by change of name Shoe Corporation of America. Men's shoes. 510,018, May 24; Serial No. 512,537, published Jan. 18, 1949. Class 39.

Schildge, George W., doing business as George W. Schildge Paper Co., Chicago, Ill. by Rushmore Paper Mills Inc., Gouverneur, N. Y. Toilet paper. 340,204, Nov. 3, 1936. Republished May 24. Class 37.

Schildge, George W., Paper Co.: *See*—
Schildge, George W.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 286,499, Sept. 1, 1931. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 288,553, Nov. 3, 1931. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 290,052, Dec. 22, 1931. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 292,989, Apr. 5, 1932. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 293,036, Apr. 5, 1932. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 293,038, Apr. 5, 1932. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 306,243, Nov. 28, 1933. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 313,957, June 12, 1934. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 315,958, Aug. 14, 1934. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 321,397, Jan. 29, 1935. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 321,767, Feb. 12, 1935. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 323,472, Apr. 16, 1935. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 329,454, Oct. 29, 1935. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 333,430, Mar. 24, 1936. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 338,782, Sept. 15, 1936. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 367,822, May 30, 1939. Republished May 24. Class 39.

Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, panties, pajamas, etc. 442,731, May 24; Serial No. 510,976, published Jan. 18, 1949. Class 39.

Scholl Manufacturing Company, The, by The Scholl Mfg. Co., Inc., Chicago, Ill. Corn-plasters and foot-powders. 94,031, Oct. 28, 1913. Republished May 24. Class 6.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Boots, shoes, and slippers. 204,211, Oct. 13, 1925. Republished May 24. Class 39.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Boots and shoes and slippers. 213,876, June 1, 1926. Republished May 24. Class 39.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Boots, shoes, and slippers. 215,617, July 20, 1926. Republished May 24. Class 39.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Heel liners. 216,979, Aug. 24, 1926. Republished May 24. Class 39.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Foot corrective appliances. 269,218, Apr. 1, 1930. Republished May 24. Class 44.

Scholl Manufacturing Company, Inc., now by change of name, The Scholl Mfg. Co., Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Metatarsal pads and ankle supports. 211,204, Apr. 5, 1926. Republished May 24. Class 44.

Scholl Manufacturing Company, Inc., now by change of name, The Scholl Mfg. Co., Inc., by The Scholl Mfg. Co., Chicago, Ill. Boots and shoes and slippers. 211,275, Apr. 6, 1926. Republished May 24. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Pads, plasters, and medicated shields. 215,226, July 13, 1926. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 220,359, Nov. 9, 1926. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports and similar foot corrective appliances. 225,272, Mar. 15, 1927. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Boots, shoes, and slippers. 225,761, Mar. 22, 1927. Republished May 24. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 225,932, Mar. 29, 1927. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Insoles. 230,218, July 19, 1927. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Antiseptic fabric dry dressing. 231,008, Aug. 9, 1927. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 233,246, Sept. 27, 1927. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Glues, cements, and glue cement. 235,618, Nov. 22, 1927. Republished May 24. Class 5.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 242,439, May 22, 1928. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Heel liners. 242,740, June 5, 1928. Republished May 24. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Medicated and perfumed foot-bath tablet. 243,240, June 12, 1928. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Lubricating and soothing ointment. 243,618, June 26, 1928. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Liniment. 243,734, June 26, 1928. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 243,827–9, July 3, 1928. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 243,892, July 3, 1928. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Combination rubber and leather heel pad. 246,389, Sept. 4, 1928. Republished May 24. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 247,829, Oct. 9, 1928. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 250,523, Dec. 11, 1928. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive medicated shields or pads. 275,209, Sept. 16, 1930. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Measuring and recording device. 275,761, Sept. 30, 1930. Republished May 24. Class 26.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive medicated shields or pads. 278,423, Dec. 16, 1930. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Heel pads. 280,947, Mar. 3, 1931. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Foot-corrective appliances. 281,382, Mar. 17, 1931. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive medicated shields, pads or plasters. 295,814, July 12, 1932. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Analgesic cream. 305,473, Aug. 15, 1933. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Shoes, boots, and slippers. 313,660, June 5, 1934. Republished May 24. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive plaster, bandage plaster and foot plaster. 319,503, Nov. 27, 1934. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive plaster, bandage plaster and foot plaster. 319,899, Dec. 11, 1934. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Medicated corn plasters and pads. 320,445, Jan. 1, 1935. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Preparation for the relief of epidermophytosis, golfer's itch, gym foot, etc. 321,752, Feb. 12, 1935. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports and appliances. 324,499, May 21, 1935. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Creams, salves, ointments, etc. 325,377, June 18, 1935. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Medicated corn plasters and pads, and corn salve. 327,406, Aug. 27, 1935. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Cushion heels, heel pads and supports, stocking heel protectors, toe separators, etc. 330,456, Dec. 3, 1935. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Heel pads and insoles. 330,546, Dec. 3, 1935. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports and insoles. 333,704, Apr. 7, 1936. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Foot corrective appliances. 341,808, Dec. 22, 1936. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Medicated corn pads. 343,932, Mar. 9, 1937. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Foot lotion, corn salve, foot balm, etc. 348,879, Aug. 17, 1937. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Foot arch supports, metatarsal arch supports, arch pads, etc. 349,153, Aug. 24, 1937. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Medicated corn, callous, and bunion pads. 349,450, Aug. 31, 1937. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive, bandage, and foot plaster. 350,075, Sept. 14, 1937. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive bandage and foot plaster. 351,099, Oct. 19, 1937. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive bandage and foot plaster. 363,493, Dec. 27, 1938. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Publication. 377,399, May 7, 1940. Republished May 24. Class 38.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Extensions for low shoe uppers. 392,824, Jan. 13, 1942. Republished May 24. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Boots and shoes and slippers. 396,532, June 2, 1942. Republished May 24. Class 39.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 403,380, Sept. 21, 1943. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Lotion for bunions. 404,588, Dec. 7, 1943. Republished May 24. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 404,742, Dec. 21, 1943. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Massaging roller apparatus. 407,062, May 16, 1944. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 408,942, Sept. 5, 1944. Republished May 24. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 410,225–6, Nov. 14, 1944. Republished May 24. Class 44.

Scholl Mfg. Co., Inc.: *See*—
Scholl Manufacturing Company, Inc.

Scholl Mfg. Co., Inc., The: *See*—
Scholl Manufacturing Company, Inc.

Scott, Henry L., & Company, by Scott Testers, Inc., Providence, R. I. Machines for testing the strength or stretch of materials. 101,942, Nov. 25, 1924. Republished May 24. Class 26.

Scott, Henry L., Company, by Scott Testers, Inc., Providence, R. I. Machines for testing and strength or stretch by materials. 296,334, Aug. 2, 1932. Republished May 24. Class 26.

Scott, Henry L., Company, by Scott Testers, Inc., Providence, R. I. Tension, compression, and fatigue testing machines. 368,735, June 27, 1939. Republished May 24. Class 26.

Scott Testers, Inc.: *See*—
Scott, Henry L., & Company.

Scott's Limited, London, England. Men's, women's, and boys' caps, hats, and helmets. 253,802, renewed Mar. 5, 1949. O. G. May 24. Class 39.

Seaboard Lemon Association, Oxnard, Calif. Fresh lemons. 355,545, Mar. 22, 1938. Republished May 24. Class 46.

Seaboard Lemon Association, Oxnard, Calif. Fresh citrus fruits. 356,716, Mar. 29, 1938. Republished May 24. Class 46.

Sealfon, Gilbert, and D. Loeb, assignor to Maternally Yours, Inc., New York, N. Y. Maternity apparel. 442,723, May 24; Serial No. 492,798, published Sept. 28, 1948. Class 39.

Segal, Herbert I., Newark, N. J. Auctioneer services. 510,161, May 24; Serial No. 530,859. Class 55.

Sewell Manufacturing Company, Bremen, Ga. Men's suits, students' suits, and sport coats. 442,724, May 24; Serial No. 494,929, published Aug. 24, 1948. Class 39.

Shankel Mill Company, Incorporated, Bristol, Va. Wheat flour. 510,051, May 24; Serial No. 534,382, published Feb. 8, 1949. Class 46.

Sharland, Ernest W., doing business as Dromore Kennels Reg., Baltimore, Md., to E. W. Sharland, doing business as Dromore Kennels Reg., Pikesville, Md. Dog medicines. 248,120, renewed Oct. 16, 1948. O. G. May 24. Class 6.

Sherman Bows and Sherman Products: *See*—
Sherman, Sol.

Sherman, Sol, doing business as Sherman Bows and Sherman Products, New York, N. Y. Bow ties for men and boys. 510,140, May 24; Serial No. 517,829. Class 39.

Shipman, Clara M., doing business as C. A. Mosso Laboratories, by C. A. Mosso Company, Chicago, Ill. Antiseptic liniment. 167,809, May 8, 1923. Republished May 24. Class 6.

Shoe Corporation of America: *See*—
Schiff Company, The.

Silvain, André, Roubaix (Nord), France. Corsets, girdles, brassières, etc. 510,098, May 24; Serial No. 548,536, published Feb. 8, 1949. Class 39.

Sleight, Roland E., doing business as International Industrial Sales Co., Philadelphia, Pa. Hand cleanser. 510,141, May 24; Serial No. 519,226. Class 4.

Smith Victory Corporation: *See*—
Waltz, Hazel H.

Special Formula Corporation, The, Bloomfield, N. J., and New York, N. Y., by Lehn & Fink Products Corporation, Bloomfield, N. J. Washing and cleaning preparation. 397,218, Aug. 25, 1942. Republished May 24. Class 4.

Spiers, Robert D., doing business as Robert D. Spiers Laboratories, by Dianol, Incorporated, St. Petersburg, Fla. Insecticide and insect repellant. 422,501, July 30, 1946. Republished May 24. Class 6.

Spiers, Robert D., Laboratories: *See*—
Spiers, Robert D.

Spiegel, Inc., Chicago, Ill. Felt base type floor coverings. 439,433, June 29, 1948. Republished May 24. Class 20.

Spir-It, Inc., Malden, Mass. Empty plastic cups. 439,434, June 22, 1948. Republished May 24. Class 2.

Societe Anonyme des Anciens Etablissements J. M. Pallard, Paris, France. India ink. 255,241, renewed Apr. 16, 1949. O. G. May 24. Class 17.

Sonneborn & Young, Incorporated, Gary, Ind. Men's trousers and slacks. 442,742, May 24; Serial No. 523,168, published July 20, 1948. Class 39.

Southern Belting Company, Atlanta, Ga. Leather belting. 396,931, Aug. 11, 1942. Republished May 24. Class 35.

Southern Dairies, Inc., Washington, D. C. Printed periodical publication. 510,070, May 24; Serial No. 536,964, published Feb. 8, 1949. Class 38.

Standard Arcturus Corporation, Newark, N. J. Radio and electronic tubes. 510,152, May 24; Serial No. 541,216. Class 21.

Standard Candy Company, Nashville, Tenn. Candies. 510,023, May 24; Serial No. 519,229, published Jan. 25, 1949. Class 46.

Standard Confections Co.: *See*—
Ostrowitz, Sidney.

Stearns & Foster Company, The, Cincinnati, Ohio. Mattresses. 510,067–8, May 24; Serial Nos. 541,347–8, published Jan. 18, 1949. Class 32.

Sterling Soap Mfg. Co.: *See*—
Dellaripa, Dominic J.

Stetson Paint & Varnish Company, Chicago, Ill. Utility paint. 510,080, May 24; Serial No. 539,771, published Feb. 8, 1949. Class 16.

Stetson Paint & Varnish Company, Chicago, Ill. Liquid paint enamel. 510,081, May 24; Serial No. 539,773, published Feb. 8, 1949. Class 16.

Stetson Paint & Varnish Company, Chicago, Ill. Paint. 510,082, May 24; Serial No. 539,778, published Feb. 15, 1949. Class 16.

Stetson Paint & Varnish Company, Chicago, Ill. Paint and paint enamel. 510,083, May 24; Serial No. 539,785, published Feb. 8, 1949. Class 16.

Stewart, J. & G., Limited, Edinburgh, Scotland. Whisky. 314,550, July 3, 1934. Republished May 24. Class 49.

Stillman & Kagan Inc., New York, N. Y. Misses' and women's lingerie. 442,722, May 24; Serial No. 492,474, published Jan. 18, 1949. Class 39.

Stork Wise Fashions: *See*—
Greenwald, Alex.

Stringfellow, Carlton B., doing business as Covercraft Company, Goshen, Ind. Slip covers. 510,112, May 24; Serial No. 546,537, published Feb. 1, 1949. Class 32.

Sun Valley Boots, Inc., Malone, N. Y. Ladies', misses', and children's overshoes. 510,021, May 24; Serial No. 516,382, published Feb. 1, 1949. Class 39.

Superior Felt & Bedding Company, by The Englander Company, Inc., Chicago, Ill. Studio couches. 330,263, Nov. 26, 1935. Republished May 24. Class 32.

Superior Felt & Bedding Company, by The Englander Company, Inc., Chicago, Ill. Mattresses. 370,147, Aug. 15, 1939. Republished May 24. Class 32.

Superior Felt & Bedding Company, by The Englander Company, Inc., Chicago, Ill. Mattresses. 379,475, July 9, 1940. Republished May 24. Class 32.

Susan Fashions, Inc., New York, N. Y. Coats, cloaks, and suits for girls and women. 510,137, May 24; Serial No. 516,383. Class 39.

Sutton Shirt Corp., New York, N. Y. Men's outer shirts and sport shirts. 510,045, May 24; Serial No. 532,175, published Feb. 15, 1949. Class 39.

Sweetwater Fruit Company, Bonita, by The Chula Vista Citrus Association, Chula Vista, Calif. Fresh citrous fruits. 223,715, Feb. 8, 1927. Republished May 24. Class 46.

Sweetwater Fruit Company, Bonita, by The Chula Vista Citrus Association, Chula Vista, Calif. Fresh citrous fruits. 228,065, May 24, 1927. Republished May 24. Class 46.

Swirls, Inc., by Krueger Baverage Company, Newark, N. J. Carbonated beverages. 365,452, Mar. 7, 1939. Republished May 24. Class 45.

Swirls, Inc., by Krueger Beverage Company, Newark, N. J. Carbonated beverages. 365,679–81, Mar. 14, 1939. Republished May 24. Class 45.

Syndicate Store Merchandiser, Inc., New York, N. Y. Periodical publication. 510,121, May 24; Serial No. 548,879, published Feb. 15, 1949. Class 38.

Tashbar, Allan A., New York, N. Y. Surgical and examination robes. 510,134, May 24; Serial No. 502,542. Class 44.

Taussig, Emil, New York, to West Disinfecting Company, Long Island City, N. Y. Disinfectants and insecticides. 32,482, re-renewed Feb. 7, 1949. O. G. May 24. Class 6.

Taylor Bedding Mfg. Co. Taylor, Tex. Upholstered box springs, sofa beds, pillows, and mattresses. 510,113, May 24; Serial No. 545,911, published Jan. 18, 1949. Class 32.

Taylor Provision Co., The, Trenton, N. J. Pork roll. 73,183, re-renewed Mar. 28, 1949. O. G. May 24. Class 46.

Taylor & Sledd, Inc., Richmond, Va. Canned fish, salt fish, canned vegetables, etc. 260,263, renewed Aug. 20, 1949. O. G. May 24. Class 46.

Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Iron or steel alloys. 257,188, renewed May 28, 1949. O. G. May 24. Class 14.

Teich, Curt, & Company, Chicago, Ill. Multi-colored post cards or pictorial illustrations. 510,032, May 24; Serial No. 527,113, published Feb. 8, 1949. Class 36.

Tewi Lingerie Inc., New York, N. Y. Undergarments. 510,090, May 24; Serial No. 541,717, published Jan. 18, 1949. Class 39.

Tide Publishing Company, Inc., New York, N. Y. Periodical publication. 510,026, May 24; Serial No. 521,223, published Feb. 8, 1949. Class 38.

Toch Brothers, to Toch Brothers, Incorporated, New York, N. Y. Material to be added to dry cement for waterproofing concrete. 74,840, re-renewed Aug. 10, 1949. O. G. May 24. Class 12.

Toch Brothers, Incorporated: *See*—
Toch Brothers.

True Form Corset Company, Inc., Philadelphia, Pa. Girdles and panty girdles. 510,158, May 24; Serial No. 553,143. Class 39.

T-Top Company, Salem, Mass. Removable tops for card tables and the like. 510,011, May 24; Serial No. 401,141, published Feb. 8, 1949. Class 32.

Tubbs Cordage Company, San Francisco, Calif. Ropes, cords, and twines. 436,047, Jan. 20, 1948. Republished May 24. Class 7.

Tucker Duck & Rubber Co., Fort Smith, Ark. Folding cots, folding stools, and folding chairs. 510,106, May 24; Serial No. 544,403, published Feb. 15, 1949. Class 32.

Tucker Duck & Rubber Co., Fort Smith, Ark. Folding chairs. 510,107, May 24; Serial No. 544,404, published Feb. 15, 1949. Class 32.

United Citrus Growers: *See*—
Highland Exchange Association.

United Shoe Machinery Corporation: *See*—
Rhodes, J. C., & Co. Incorporated.

United States Gypsum Company, Chicago, Ill. Plaster. 255,568, renewed Apr. 23, 1949. O. G. May 24. Class 12.

United States Leather Company, The: *See*—
United States Leather Selling Corporation, The.

United States Leather Selling Corporation, The, to The United States Leather Company, New York, N. Y. Sole leather. 258,868, renewed July 16, 1949. O. G. May 24. Class 1.

United States Rubber Company, New York, N. Y. Solvent solutions of synthetic resins. 510,019, May 24; Serial No. 514,314, published Feb. 8, 1949. Class 16.

Universal Mercantile Corp., Newark, N. J. Bridge table pads, chair pads, and table pads. 510,064, May 24; Serial No. 536,176, published Jan. 18, 1949. Class 32.

Upland Heights Orange Association, Upland, Calif. Fresh citrus fruits. 219,543, Oct. 19, 1926. Republished May 24. Class 46.

Upland Heights Orange Association, Upland, Calif. Fresh citrus fruits. 223,436, Feb. 1, 1927. Republished May 24. Class 46.

Ventura Citrus Association, Ventura, Calif. Fresh citrus fruits. 213,061–3, May 18, 1926. Republished May 24. Class 46.

Ventura Citrus Association, Ventura, Calif. Fresh citrus fruits. 215,499, July 20, 1926. Republished May 24. Class 46.

Ventura Citrus Association, Ventura, Calif. Fresh citrus fruits. 217,374, Aug. 31, 1926. Republished May 24. Class 46.

Versal Inc., South Bend, Ind. Shampoo chairs. 510,066, May 24; Serial No. 536,735, published Jan. 18, 1949. Class 32.

Vesta Underwear Company: *See*—
Marshall Field & Company.

Victor Fruit Growers: *See*—
Victor Fruit Growers, Inc.

Victor Fruit Growers, Inc., by Victor Fruit Growers, Victor, Calif. Fresh grapes. 166,226, Mar. 27, 1923. Republished May 24. Class 46.

Victor Fruit Growers, Inc., by Victor Fruit Growers, Victor, Calif. Fresh grapes. 265,918, Jan. 7, 1930. Republished May 24. Class 46.

Victoria Avenue Citrus Association, Riverside, Calif. Fresh citrus fruits. 243,525, June 26, 1928. Republished May 24. Class 46.

Vincent-McCall Company, The, Kenosha, Wis. Garden chaises. 510,025, May 24; Serial No. 520,842, published Feb. 15, 1949. Class 32.

Vincent-McCall Company, The, Kenosha, Wis. Mattresses and boxsprings. 510,031, May 24; Serial No. 526,675, published Feb. 15, 1949. Class 32.

Vitaminerals, Inc., Los Angeles, Calif. Nutritional supplement, and a broth powder. 510,035, May 24; Serial No. 527,722, published Jan. 25, 1949. Class 46.

Wallerstein Company, Inc., New York, N. Y. Absorbents. 339,576, Oct. 13, 1936. Republished May 24. Class 6.

Waltz, Hazel H., Oakland, Calif., by Smith Victory Corporation, Buffalo, N. Y. Hairpins. 223,548, Feb. 8, 1927. Republished May 24. Class 40.

Ware Shoals Manufactoring Company, Ware Shoals, S. C., by Riegel Textile Corporation, New York, N. Y. Cotton pillowcases, cotton sheets, and cotton handkerchiefs. 240,780, Apr. 10, 1928. Republished May 24. Classes 39 and 42.

Washington, Martha, Ice Cream Corporation, Bloomfield, N. J. Ice cream. 442,738, May 24; Serial No. 519,824, published Feb. 8, 1949. Class 46.

Waterloo Canning Association, Waterloo, Wis. Canned peas. 510,058, May 24; Serial No. 535,281, published Feb. 1, 1949. Class 46.

Watson, John Warren Company, Philadelphia, Pa. Shock absorbers. 143,508, May 31, 1921. Republished May 24. Class 19.

Watson-Park Company, Boston, Mass. Chemical preparation. 255,263, renewed Apr. 16, 1949. O. G. May 24. Class 6.

Watson-Park Company, Boston, Mass. Chemical preparation. 255,265, renewed Apr. 16, 1949. O. G. May 24. Class 6.

Watson-Park Company, Boston, Mass. Chemical preparation. 255,266, renewed Apr. 16, 1949. O. G. May 24. Class 6.

Weber Medical Tea Company, The, Brooklyn, N. Y. Laxative preparations. 252,568, renewed Feb. 12, 1949. O. G. May 24. Class 6.

Weinberg Corporation, Chicago, Ill. Men's and young men's suits, coats, vests, etc. 510,041, May 24; Serial No. 531,273, published Feb. 1, 1949. Class 39.

Wenatchee-Okanogan Cooperative Federation, Wenatchee, Wash. Fresh apples. 510,151, May 24; Serial No. 538,832. Class 46.

Weppner Well Company, The, Cleveland, Ohio. Coffee. 256,588, May 21, 1929. Corrected. O. G. May 24. Class 46.

Werber Sportswear Inc., Newburgh, N. Y. Snowsuits. 510,057, May 24; Serial No. 533,206, published Feb. 15, 1949. Class 39.

Wesson Oil & Snowdrift Co., Inc., New Orleans, La. Ready-mixed paints, paint enamels, etc. 510,063, May 24; Serial No. 536,021, published Jan. 11, 1949. Class 16.

West Disinfecting Company: *See*—
Taussig, Emil.

Westward Ho Sportswear: *See*—
Goldfield, Victor.

Wheatley, W. T., assignor to National Broom Mfg. Co., by National Broom Manufacturing Company, Pueblo, Colo. Brooms. 109,151, Mar. 21, 1916. Republished May 24. Class 29.

Whiteley, William, & Co. Inc.: *See*—
Glenforres Glenlivet Distillery Co. Limited.

Whiteley, William, & Co. Inc., by William Whiteley & Co. Inc., Dover, Del. Whisky. 318,813, Nov. 6, 1934. Republished May 24. Class 49.

Whiteley, William, & Co., Inc., by William Whiteley & Co. Inc., Dover, Del. Whiskey. 329,088, Oct. 16, 1935. Republished May 24. Class 49.

Whiteley, William, & Co. Inc., Dover, Del. Scotch whiskey. 338,532, Sept. 8, 1936. Republished May 24. Class 49.

Whittemore, H. A.: *See*—
Whittemore, Horace A.

Whittemore, Horace A., to H. A. Whittemore & Co., Inc., Boston, Mass. Fishing-tackle. 72,096, re-renewed Jan. 5, 1949. O. G. May 24. Class 22.

Wide Awake Shirt Company, Inc., Reading, Pa. Dress, negligee, and work shirts for men and boys. 510,095, May 24; Serial No. 543,016, published Feb. 1, 1949. Class 39.

Wide Awake Shirt Company, Inc., Reading, Pa. Dress, negligee, and work shirts for men and boys. 510,096, May 24; Serial No. 543,018, published Feb. 1, 1949. Class 39.

Williams, C. K., & Co.: *See*—
Mepham, Geo. S., Corporation.

Williams, Evan, Company Limited, London, England. Shampoo powder. 169,908, renewed July 3, 1943. O. G. May 24. Class 6.

Winner Manufacturing Co. Inc., Trenton, N. J., by Atlantic-Pacific Manufacturing Corp., Brooklyn, N. Y. Semisolid coating material. 401,130, Apr. 27, 1943. Republished May 24. Class 6.

Wishnick-Tumpeer Chemical Co., by Witco Chemical Company, Chicago, Ill. Rubber softeners. 217,396, Aug. 31, 1926. Republished May 24. Class 6.

Wishnick-Tumpeer, Inc., by Witco Chemical Company, Chicago, Ill. Composite barium-calcium extender. 404,799, Dec. 21, 1943. Republished May 24. Class 6.

Witco Chemical Company: *See*—
Wishnick-Tumpeer Chemical Co.
Wishnick-Tumpeer, Inc.

Witco Chemical Company, Chicago, Ill. Industrial asphalt paint. 415,969, Aug. 21, 1945. Republished May 24. Class 16.

Witco Chemical Company, Chicago, Ill. Gas carbon black. 418,226–7, Dec. 11, 1945. Republished May 24. Class 1.

Witco Chemical Company, Chicago, Ill. Petroleum asphalt product. 421,305, May 28, 1946. Republished May 24. Class 6.

Witco Chemical Company, Chicago, Ill. Hard wax-like substance. 426,247, Dec. 24, 1946. Republished May 24. Class 6.

Witco Chemical Company, Chicago, Ill. Carbon black. 429,016, Apr. 15, 1947. Republished May 24. Class 1.

Wolf, John, Textiles, Inc., New York, N. Y. Cotton goods in the piece, and drapery fabrics. 510,128, May 24; Serial No. 559,190, published Dec. 21, 1948. Class 42.

Wolff, Fording & Company, Inc., Boston, Mass. Children's fancy dress costumes. 510,136, May 24; Serial No. 514,086. Class 39.

Wood Conversion Company, St. Paul, Minn. Loosely matted or felted adhesively-bound vegetable fiber in sheet form for use as stuffing or cushioning material for upholstered furniture. 510,039, May 24; Serial No. 530,882, published Feb. 15, 1949. Class 32.

Zion Industries, Inc., Zion, Ill. Cookies. 510,130, May 24; Serial No. 570,240, published Feb. 15, 1949. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Carbon black. Continental Carbon Company. 411,799–800, Feb. 6, 1945. Republished May 24.

Carbon black. Witco Chemical Company. 429,016, Apr. 15, 1947. Republished May 24.

Coal. Castner, Curran & Bullitt. 45,016, Aug. 1, 1905. Corrected. O. G. May 24.

Coal. Castner, Curran & Bullitt. 45,016, Aug. 1, 1905. Disclaimed. O. G. May 24.

Coal. Midland Coal Sales Company. 265,506, Dec. 31, 1929. Republished May 24.

Coal. Midland Coal Sales Company. 276,053, Oct. 7, 1930. Republished May 24.

Compounds for molds, Parting. Acheson Oildag Company. 255,360, renewed Apr. 23, 1949. O. G. May 24.

Gas carbon black. Witco Chemical Company. 418,226–7, Dec. 11, 1945. Republished May 24.

Leather. The Orlean-Pfleger Tanning Co. 186,388, July 8, 1924. Republished May 24.

Leather, Sole. The United States Leather Selling Corporation. 258,868, renewed July 16, 1949. O. G. May 24.

Materials, Synthetic resinous. The Resinous Products & Chemical Company. 438,701, May 11, 1948. Republished May 24.

Materials, Synthetic resinous. The Resinous Products & Chemical Company. 438,855, May 11, 1948. Republished May 24.

Rosin. The Newport Company. 264,640, Dec. 3, 1929. Republished May 24.

CLASS 2

Cups, Empty plastic. Spir-It, Inc. 430,424, June 22, 1948. Republished May 24.

Holders. J. P. Eustis Mfg. Co. 54,753, June 26, 1906. Republished May 24.

Oilers with spouts, Portable. Chase Brass & Copper Co. Incorporated. 257,780, renewed June 18, 1949. O. G. May 24.

Vaults, Burial. Wilbert W. Hasse Co. 434,078, Nov. 4, 1947. Republished May 24.

CLASS 4

Buffing and/or polishing composition. The Matchless Metal Polish Co. 323,758, Apr. 30, 1935. Republished May 24.

Hand cleanser. R. E. Sleight. 510,141, May 24; Serial No. 519,226.

Naphtha compound, Nonexplosive. Gate City Oil Co. 250,966, Aug. 13, 1929. Republished May 24.

Preparation for fabric cleaners, Liquid, metal polish, nickel polish, etc. Purfex Mfg. Co., Inc. 256,426, renewed May 14, 1949. O. G. May 24.

Shaving cream. Darnee Inc. 256,947, renewed May 28, 1949. O. G. May 24.

Soap powder. D. J. Dellaripa. 510,135, May 24; Serial No. 504,039.

Toilet extracts, essences, oils, waters, etc. Roger & Gallet. 33,093, re-renewed June 20, 1949. O. G. May 24.

Washing and cleaning preparation. The Special Formula Corporation. 307,218, Aug. 25, 1942. Republished May 24.

CLASS 5

Glue. Cudahy Brothers Co. 47,847, Nov. 21, 1905. Republished May 24.

Glues, cements, and glue cement. The Scholl Mfg. Co., Inc. 235,618, Nov. 22, 1927. Republished May 24.

CLASS 6

Absorbents. Wallerstein Company, Inc. 339,576, Oct. 13, 1936. Republished May 24.

Analgesic cream. The Scholl Mfg. Co., Inc. 305,473, Aug. 15, 1933. Republished May 24.

Antiseptic preparation. C. A. Mosso Company. 418,232, Dec. 11, 1945. Republished May 24.

Carbon black. Continental Carbon Company. 367,617, May 23, 1939. Republished May 24.

Chemical composition for impregnating wood. E. L. Bruce Co. 252,754, renewed Feb. 12, 1949. O. G. May 24.

Chemical preparation for bleaching or stripping colors from textile fibres, yarns, and fabrics. Watson-Park Company. 255,263, renewed Apr. 16, 1949. O. G. May 24.

Chemical preparation for use in waterproofing textile materials and textile fabrics. Watson-Park Company. 255,265, renewed Apr. 16, 1949. O. G. May 24.

Chemical preparation. Watson-Park Company. 255,266, renewed Apr. 16, 1949. O. G. May 24.

Comminuted, free-flowing, fire-extinguishing dry chemical. Ansul Chemical Company. 430,295, June 15, 1948. Republished May 24.

Composite barium-calcium extender. Wishnick-Tumpeer, Inc. 404,799, Dec. 21, 1943. Republished May 24.

Corn pads, Medicated. The Scholl Mfg. Co., Inc. 343,032, Mar. 9, 1937. Republished May 24.

Corn-plasters and foot-powders. The Scholl Manufacturing Company. 94,031, Oct. 28, 1913. Republished May 24.

Coru plasters and pads, Medicated. The Scholl Mfg. Co., Inc. 320,443, Jan. 1, 1935. Republished May 24.

Corn plasters and pads, and corn salve, Medicated. The Scholl Mfg. Co., Inc. 327,406, Aug. 27, 1935. Republished May 24.

Creams, salves, ointments, etc. The Scholl Mfg. Co., Inc. 325,377, June 18, 1935. Republished May 24.

Deodorisers. The Cando Corporation. 260,302, renewed Aug. 20, 1949. O. G. May 24.

Disinfectants and insecticides. E. Taussig. 32,482, re-renewed Feb. 7, 1949. O. G. May 24.

Douche powder, Water soluble. R. L. Gladke. 510,129, May 24; Serial No. 568,943, published Feb. 15, 1949.

Hard wax-like substance. Witco Chemical Company. 426,247, Dec. 24, 1946. Republished May 24.

Insecticide and insect repellant. R. D. Spiers. 422,591, July 30, 1946. Republished May 24.

Laxative, Anti-acid. T. R. Barnes. 437,857, Mar. 30, 1948. Republished May 24.

Laxative medicinal preparation. M. G. Gibbs. 191,920, Nov. 25, 1924. Republished May 24.

Laxative preparations. The Weber Medical Tea Company. 252,568, renewed Feb. 12, 1949. O. G. May 24.

Liniment. The Scholl Mfg. Co., Inc. 243,734, June 26, 1928. Republished May 24.

Liniment, Antiseptic. C. M. Shipman. 167,809, May 8, 1923. Republished May 24.

Lotion, Eye, and depilatories. George B. Evans Laboratories, Inc. 382,601, Oct. 29, 1940. Amended. O. G. May 24.

Lotion, Foot, corn salve, foot balm, etc. The Scholl Mfg. Co., Inc. 345,879, Aug. 17, 1937. Republished May 24.

Lotion for bunions. The Scholl Mfg. Co. Inc. 404,588, Dec. 7, 1943. Republished May 24.

Lotion, Toilet. H. S. Grove. 328,434, Sept. 24, 1935. Republished May 24.

Material, Semisolid coating. Winner Manufacturing Co. Inc. 401,130, Apr. 27, 1943. Republished May 24.

Medicated and perfumed foot-bath tablet. The Scholl Mfg. Co., Inc. 243,240, June 12, 1928. Republished May 24.

Medicines, Dog. E. W. Sharland. 248,120, renewed Oct. 16, 1948. O. G. May 24.

Oil, Pine. General Naval Stores Company, Inc. 257,604–5, June 11, 1929. Republished May 24.

Ointment, Lubricating and soothing. The Scholl Mfg. Co., Inc. 243,618, June 26, 1928. Republished May 24.

Pads, Medicated corn, callous, and bunion. The Scholl Mfg. Co., Inc. 349,460, Aug. 31, 1937. Republished May 24.

Pectin solutions, preparations, and compositions consisting of pectin mixed with water, etc. The Exchange Orange Products Company. 259,060, renewed Aug. 6, 1949. O. G. May 24.

Perfumes, toilet waters, colognes, etc. L. de Lescinskia 510,143, May 24; Serial No. 522,588.

Petroleum asphalt product. Witco Chemical Company. 421,906, May 28, 1946. Republished May 24.

Pharmaceutical product. Aktiengesellschaft Vormals B. Siegfried. 206,538, Dec. 8, 1928. Republished May 24.

Preparation for the hair, scalp, and skin, Medicated. Barclay & Barclay. 73,059, re-renewed Mar. 18, 1949. O. G. May 24.

Preparation for the relief of epidermophytosis, golfer's itch, gym foot, etc. The Scholl Mfg. Co., Inc. 321,752, Feb. 12, 1935. Republished May 24.

Shampoo. The Procter & Gamble Company. 439,291, June 15, 1948. Republished May 24.

Shampoo powder. Evan Williams Company Limited. 160,906, renewed July 8, 1943. O. G. May 24.

Shields or pads, Adhesive medicated. The Scholl Mfg. Co., Inc. 276,209, Sept. 16, 1930. Republished May 24.

Shields or pads, Adhesive medicated. The Scholl Mfg. Co., Inc. 278,423, Dec. 16, 1930. Republished May 24.

Shields, pads or plasters, Adhesive medicated. The Scholl Mfg. Co., Inc. 295,814, July 12, 1932. Republished May 24.

Softeners, Rubber. Wishnick-Tumpeer Chemical Co. 217,396, Aug. 31, 1926. Republished May 24.

Toilet extracts, essences, oils, waters, etc. Roger & Gallet. 33,093, re-renewed June 20, 1949. O. G. May 24.

Toilet preparations. Darnee Inc. 256,399, renewed May 14, 1949. O. G. May 24.

Toilet requisites. F. R. Arnold & Company. 257,894, renewed June 18, 1949. O. G. May 24.

Toilet water and cologne. Lanvin-Parfums, Inc. 510,160, May 24; Serial No. 561,316.

CLASS 7

Ropes, cords, and twines. Tubbs Cordage Company. 436,047, Jan. 20, 1948. Republished May 24.

CLASS 8

Humidors and ash trays, Cigarette. Chase Brass & Copper Co. Incorporated. 257,690, renewed June 18, 1949. O. G. May 24.

CLASS 11

Ink, India. Societe Anonyme des Anciens Etablissement. J. M. Paillard. 255,241, renewed Apr. 16, 1949. O. G. May 24.

CLASS 12

Cement for construction work. Century Cement Corporation. 265,523, Dec. 31, 1929. Republished May 24.

Cement for construction work. Century Cement Corporation. 273,127, July 22, 1930. Republished May 24.

Elbows, Sheet-metal. Chase Brass & Copper Co. Incorporated. 257,662, renewed June 18, 1949. O. G. May 24.

Material to be added to dry cement for water-proofing concrete. Toch Brothers. 74,640, re-renewed Aug. 10, 1949. O. G. May 24.

Paints, varnishes, stains, Dry, paste and ready-mixed, etc. Duralac Chemical Corporation. 258,580, renewed July 9, 1949. O. G. May 24.

Plaster. United States Gypsum Company. 255,568, renewed Apr. 23, 1949. O. G. May 24.

Putty; Glaser's, stiff, dry, paste, and ready-mixed paint; oils. N. V. Tot Voortz, Der Zaken Van Pieter Schoen & Zoon. 324,608, May 21, 1935. Republished May 24.

CLASS 13

Caps and suspension rings, etc., Metallic. Chase Brass & Copper Co. Incorporated. 257,783, renewed June 18, 1949. O. G. May 24.

Culverts, Corrugated, plain conductor-pipes, round corrugated conductor-pipes, etc. The Newport Rolling Mill Company. 120,095, Mar. 19, 1918. Republished May 24.

Equipment, Door. Frantz Manufacturing Company. 283,724, June 2, 1931. Republished May 24.

Eyelets. J. C. Rhodes & Co. Incorporated. 256,432, renewed May 14, 1949. O. G. May 24.

Fittings, Screwed pipe, pipe flanges, screwed and flanged pipe unions, etc. Crane Company. 143,927, June 21, 1921. Republished May 24.

Holders. J. P. Eustis Mfg. Co. 54,753, June 26, 1906. Republished May 24.

Hollow ware, Aluminum cooking and serving. Century Metalcraft Corporation. 370,772, Sept. 5, 1939. Republished May 24.

Pencils, Lead, colored pencils, copying pencils, etc. A. W. Faber, Inc. 259,960–1, renewed Aug. 13, 1949. O. G. May 24.

Rods, Curtain. Moriarty Manufacturing Co. 442,748, May 24; Serial No. 462,151.

Washers, Lock. Eaton Manufacturing Company. 510,155, May 24; Serial No. 551,880.

CLASS 14

Alloys, Iron or steel. Taylor-Wharton Iron and Steel Company. 257,188, renewed May 28, 1949. O. G. May 24.

Sheet Iron, galvanized or otherwise. Pontnewynydd Sheet and Galvanizing Company, Limited. 74,296, re-renewed June 29, 1949. O. G. May 24.

Sheets, rods, and plain wire; etc., Brass, copper, and nonferrous alloy. Chase Brass & Copper Co. Incorporated. 257,679, renewed June 18, 1949. O. G. May 24.

Steel and iron sheets. Pontnewynydd Sheet and Galvanizing Company, Limited. 74,296, re-renewed June 29, 1949. O. G. May 24.

CLASS 15

Oils, Lubricating, and greases. The Continental Oil Company. 166,145, Mar. 27, 1923. Republished May 24.

Oils, Lubricating, and greases, fuel and illuminating oils, road-oils, etc. Phinney Brothers Company. 146,778, Aug. 16, 1921. Republished May 24.

Petroleum products. MacMillan Petroleum Corporation. 302,949–50, May 2, 1933. Republished May 24.

Gasolines. Phillips Petroleum Company. 254,924, Apr. 2, 1929. Amended. O. G. May 24.

Oil; Penetrating, spraying gun oil, etc. Purfex Mfg. Co., Inc. 257,621, renewed June 11, 1949. O. G. May 24.

Oils and greases, Lubricating. Georgia-Carolina Oil Company. 257,661, renewed June 18, 1949. O. G. May 24.

CLASS 16

Composition in the nature of a paint, Anti-fouling. Reeder Oliver & Son, Incorporated. 510,115, May 24; Serial No. 546,512, published Feb. 8, 1949.

Enamel, Liquid paint. Nu-Enamel Corporation. 510,017, May 24; Serial No. 512,130, published Feb. 8, 1949.

Enamel, Liquid paint. Stetson Paint & Varnish Company. 510,081, May 24; Serial No. 539,773, published Feb. 8, 1949.

Enamel, Paint. Continental Paint & Varnish Co. 510,078, May 24; Serial No. 539,659, published Feb. 8, 1949.

Paint. W. W. Lawrence & Company. 510,075, May 24; Serial No. 538,792, published Jan. 11, 1949.

Paint. Stetson Paint & Varnish Company. 510,082, May 24; Serial No. 539,776, published Feb. 16, 1949.

Paint and paint enamel. Stetson Paint & Varnish Company. 510,083, May 24; Serial No. 539,785, published Feb. 8, 1949.

Paint, Antifouling bottom. International Paint Company, Inc. 510,086, May 24; Serial No. 540,675, published Jan. 25, 1949.

Paint, Asphalt, asphalt aluminum paint, paint enamels, etc. American Asphalt Paint Company. 331,732, Jan. 21, 1936. Republished May 24.

Paint, Black bituminous liquid. The Federal Composition & Paint Company, Inc. 256,494, renewed May 21, 1949. O. G. May 24.

Paint, Enamel. Phelan-Faust Paint Manufacturing Company. 120,422, Feb. 5, 1918. Republished May 24.

Paint, House, concrete paint, and paint colors. Phelan-Faust Paint Mfg. Co. 510,048, May 24; Serial No. 533,355, published Jan. 11, 1949.

Paint, Industrial asphalt. Witco Chemical Company. 415,969, Aug. 21, 1945. Republished May 24.

Paint, Liquid resinous. Drake Paint Company. 510,079, May 24; Serial No. 539,675, published Feb. 8, 1949.

Paint, Utility. Stetson Paint & Varnish Company. 510,080, May 24; Serial No. 539,771, published Feb. 8, 1949.

Paints and enamels, Ready-mixed. The Glidden Company. 259,598, renewed Aug. 6, 1949. O. G. May 24.

Paints, Artists'. M. Grumbacher, Inc. 510,105, May 24; Serial No. 544,085, published Jan. 11, 1949.

Paints, paint enamels, etc., Ready-mixed. Wesson Oil & Snowdrift Co., Inc. 510,063, May 24; Serial No. 536,021, published Jan. 11, 1949.

Paints, Ready mixed barn. Armstrong Paint & Varnish Works. 510,073, May 24; Serial No. 538,077, published Feb. 8, 1949.

Paints, varnishes, lacquers, etc. Manufacturing Industries, Inc. 510,072, May 24; Serial No. 536,018, published Jan. 11, 1949.

Paints, varnishes, stains, etc., Dry, paste and ready-mixed. Duralac Chemical Corporation. 258,580, renewed July 9, 1949. O. G. May 24.

Pigments adapted especially for metal-protective priming paints, Natural iron oxide. Geo. S. Mepham Corporation. 510,100, May 24; Serial No. 543,639, published Jan. 11, 1949.

Polish, Liquid non-slip. Walter G. Legge Company, Inc. 510,044, May 24; Serial No. 532,142, published Feb. 8, 1949.

Polishes, Floor, Johann Bosch Gesellschaft m. b. H. Fabrik fur Asphalt, Dachpappe u. Teerprodukte. 181,470, renewed Mar. 18, 1949. O. G. May 24.

Putty, Glaser's, stiff, dry, paste, and ready-mixed paint, oils. N. V. Tot Voorts, Der Zaken Van Pieter Schoen & Zoon. 324,608, May 21, 1935. Republished May 24.

Sealer, Canvas, masking liquid and polish and cleaner, etc. Pittsburgh Plate Glass Company. 442,737, May 24; Serial No. 518,559, published Feb. 8, 1949.

Solvent solutions of synthetic resins. United States Rubber Company. 510,019, May 24; Serial No. 514,314, published Feb. 8, 1949.

Turpentine. The Newport Company. 267,003–4, Feb. 11, 1930. Republished May 24.

Varnish. Minnesota Linseed Oil Paint Co. 510,034, May 24; Serial No. 527,677, published Feb. 8, 1949.

Varnishes, lacquers, paint enamels, etc. Pittsburgh Plate Glass Company. 253,224, renewed Feb. 19, 1946. O. G. May 24.

Wax and cleaner, Liquid automobile. Atomix Inc. 510,074, May 24; Serial No. 538,706, published Jan. 11, 1949.

Wax, Floor. Sanitek Products Company. 442,726, May 24; Serial No. 502,760, published Feb. 8, 1949.

Waxes. The Faski Company. 510,040, May 24; Serial No. 530,927, published Jan. 11, 1949.

CLASS 17

Cigarettes. Fleming-Hall Tobacco Co., Inc. 439,056, June 1, 1948. Republished May 24.

Cigars. M. W. Brill. 255,227, renewed Apr. 16, 1949. O. G. May 24.

CLASS 19

Shock absorbers. John Warren Watson Company. 143,508, May 31, 1921. Republished May 24.

CLASS 20

Floor coverings, Felt base type. Spiegel, Inc. 439,433, June 29, 1948. Republished May 24.

CLASS 21

Body members, Tubular, socket casings and slip canopies. Chase Brass & Copper Co. Incorporated. 257,665, renewed June 18, 1949. O. G. May 24.

Resistors. Ohmite Manufacturing Company. 252,608, Feb. 12, 1929. Republished May 24.

Spark plugs and distributors, coils, cables, etc. Continental Corporation. 312,555, May 1, 1934. Republished May 24.

Tubes, Radio and electronic. Standard Arcturus Corporation. 510,152, May 24; Serial No. 541,216.

CLASS 22

Bait, Artificial fish. F. Arbogast. 418,813, Jan. 8, 1946. Republished May 24.

Bait, Artificial fish. F. Arbogast. 425,291, Nov. 12, 1946. Republished May 24.

Fishing tackle. Paul Bonyun Bait Company. 421,770, June 18, 1946. Republished May 24.

Fishing-tackle. H. A. Whittemore. 72,096, re-renewed Jan. 5, 1949. O. G. May 24.

Toy savings banks. George D. Ellis & Sons, Incorporated. 257,494, renewed June 11, 1949. O. G. May 24.

Whistles, Police. Chase Brass & Copper Co. Incorporated. 257,674, renewed June 18, 1949. O. G. May 24.

CLASS 23

Bearings for machinery. Bohn Aluminum and Brass Corporation. 249,460, renewed Nov. 13, 1948. O. G. May 24.

Cutlery, Steel. S. E. Bernstein. 143,909, June 21, 1921. Republished May 24.

Elevators and parts of elevators. Inclinator Company of America. 262,948, Oct. 29, 1929. Republished May 24.

Files. The Cleveland File Company. 252,684–6, renewed Feb. 12, 1949. O. G. May 24.

Grinders, Corn, corn mills, and coffee mills. Landers, Frary & Clark. 258,220, renewed July 2, 1949. O. G. May 24.

Knives. Landers, Frary & Clark. 254,402, renewed Mar. 26, 1949. O. G. May 24.

Machinery, Stock handling. J. B. Engineering Sales Company. 423,440, Sept. 3, 1946. Republished May 24.

Machines, Cigar and cigarette making, and other machines, etc. Aktiebolaget Formator. 207,841, Jan. 12, 1926. Republished May 24.

Machines for spraying liquids. Campbell-Hausfeld Company. 202,467, Aug. 25, 1925. Republished May 24.

Rolls, Rolling-mill. Mesta Machine Company. 254,927, renewed Apr. 2, 1949. O. G. May 24.

Scissors. Butler Brothers. 380,216, Aug. 13, 1940. Republished May 24.

Strainers, Pump, sewage ejectors, bilge pumps, etc. The Nash Engineering Company. 254,738, renewed Mar. 26, 1949. O. G. May 24.

Wrenches. Bemis & Call Hardware & Tool Company. 73,931, June 1, 1909. Republished May 24.

CLASS 25

Locks, Cylinder door. J. Chesler & Sons Company. 377,773, May 14, 1940. Republished May 24.

CLASS 26

Grounded apparatus. Link Aviation Devices, Inc. 438,568, May 4, 1948. Republished May 24.

Machines for testing the strength or stretch of materials. Henry L. Scott & Company. 191,942, Nov. 25, 1924. Republished May 24.

Machines for testing the strength or stretch of materials. Henry L. Scott Company. 296,334, Aug. 2, 1932. Republished May 24.

Machines, Tension, compression, and fatigue testing. Henry L. Scott Company. 368,735, June 27, 1939. Republished May 24.

Measuring and recording device. The Scholl Mfg. Co., Inc. 275,761, Sept. 30, 1930. Republished May 24.

Motion pictures. Fox Case Corporation. 251,623, Jan. 8, 1929. Republished May 24.

Motion pictures. Fox Case Corporation. 249,701, Nov. 20, 1928. Republished May 24.

CLASS 27

Watches. Nivada Watch Corporation. 422,453, July 23, 1946. Republished May 24.

CLASS 28

Flatware, hollow ware and tableware, Sterling silver and silver plated. National Silver Company. 369,795, Aug. 1, 1939. Republished May 24.

Flatware, hollow ware and tableware, Sterling silver and silver plated. National Silver Company. 384,531, Jan. 21, 1941. Republished May 24.

Flatware, hollow ware and tableware, Sterling silver and silver plated. National Silver Company. 427,427, Feb. 11, 1947. Republished May 24.

Knives, forks, spoons, and other tableware. National Silver Company. 378,406, June 11, 1940. Republished May 24.

Rings, Diamond finger, lockets, crosses, etc. Manlle Jewelry Co., Inc. 510,144, May 24; Serial No. 522,642.

Tableware, Silverplated flat. Oneida Ltd. 439,624–6, July 6, 1948. Republished May 24.

CLASS 29

Brooms. National Broom Manufacturing Company. 295,071, July 19, 1932. Republished May 24.

Brooms. W. T. Wheatley. 100,151, Mar. 21, 1916. Republished May 24.

Brushes, Hat. Knox Hat Company, Inc. 257,945, June 25, 1929. Republished May 24.

Brushes, Hat. Knox Hat Company, Inc. 257,948, June 25, 1929. Republished May 24.

Brushes, Shaving. Peerless Brush Mfg. Co. 510,142, May 24; Serial No. 520,696.

Holders, Pad. Brillo Manufacturing Company, Inc. 260,501, renewed Aug. 27, 1949. O. G. May 24.

CLASS 30

Pottery, candy boxes, pottery fern dishes, etc. Hobe Cie Ltd. 510,154, May 24; Serial No. 548,374.

CLASS 31

Filters, Chase Brass & Copper Co. Incorporated. 257,668, renewed June 18, 1949. O. G. May 24.

CLASS 32

Bed-springs. Leggett & Platt, Inc. 510,103, May 24; Serial No. 543,816, published Feb. 15, 1949.

Beds, Sofa. A. Brandwein & Company. 510,029, May 24; Serial No. 523,053, published Jan. 18, 1949.

Cabinet, Wheeled. H. J. Gauley. 442,725, May 24; Serial No. 502,635, published Jan. 18, 1949.

Chairs, Folding. Tucker Duck & Rubber Co. 510,107, May 24; Serial No. 544,404, published Feb. 15, 1949.

Chairs, Shampoo. Versal Inc. 510,066, May 24; Serial No. 536,735, published Jan. 18, 1949.

Chaises, Garden. The Vincent-McCall Company. 510,025, May 24; Serial No. 520,842, published Feb. 15, 1949.

Cots, Folding, folding stools, and folding chairs. Tucker Duck & Rubber Co. 510,106, May 24; Serial No. 544,403, published Feb. 15, 1949.

Couches, Studio. Superior Felt & Bedding Company. 330,253, Nov. 26, 1935. Republished May 24.

Covers, Slip. C. B. Stringfellow. 510,112, May 24; Serial No. 546,557, published Feb. 1, 1949.

Desks. C. G. Morgan. 510,116, May 24; Serial No. 547,140, published Feb. 15, 1949.

Fiber in sheet form for use as stuffing or cushioning material for upholstered furniture, Loosely matted or felted adhesively-bound vegetable. Wood Conversion Company. 510,039, May 24; Serial No. 530,882, published Feb. 15, 1949.

Filing devices, Rotary type visible card. Diebold, Incorporated. 510,038, May 24; Serial No. 530,386, published Jan. 18, 1949.

Furniture, Bedroom, dining room and living room. Drexel Furniture Company. 510,054, May 24; Serial No. 534,883, published Feb. 8, 1949.

Furniture, Dinette and bedroom. Drexel Furniture Company. 510,060, May 24; Serial No. 535,505, published Feb. 15, 1949.

Furniture, Dining room. Drexel Furniture Company. 510,059, May 24; Serial No. 535,498, published Feb. 15, 1949.

Furniture, Store, case fixtures. The Columbus Show Case Co. 510,052, May 24; Serial No. 534,416, published Feb. 8, 1949.

Mattresses. The Stearns & Foster Company. 510,087–8, May 24; Serial Nos. 541,347–8, published Jan. 18, 1949.

Mattresses, Superior Felt & Bedding Company. 370,147, Aug. 15, 1939. Republished May 24.

Mattresses, Superior Felt & Bedding Company. 379,475, July 9, 1940. Republished May 24.

Mattresses and boxsprings. The Vincent-McCall Company. 510,031, May 24; Serial No. 526,675, published Feb. 15, 1949.

Mattresses, box springs, sofas, etc. S. Karpen & Bros. 510,094, May 24; Serial No. 542,207, published Feb. 15, 1949.

Pads, Bridge table, chair pads, and table pads. Universal Mercantile Corp. 510,064, May 24; Serial No. 536,176, published Jan. 18, 1949.
Pillows. New York Feather Co. 510,120, May 24; Serial No. 546,601, published Feb. 8, 1949.
Shades, Window, and window shade rollers. Joanna Western Mills Company. 510,067, May 24; Serial No. 536,783, published Jan. 18, 1949.
Springs, Upholstered box, sofa beds, pillows, and mattresses. Taylor Bedding Mfg. Co. 510,113, May 24; Serial No. 545,911, published Jan. 18, 1949.
Stands, Display. A. Lewy. 510,014, May 24; Serial No. 497,314, published Feb. 15, 1949.
Tables, Folding. R. J. Gaupel. 510,050, May 24; Serial No. 534,268, published Feb. 8, 1949.
Tops for card tables and the like, Removable. T-Top Company. 510,011, May 24; Serial No. 491,141, published Feb. 8, 1949.

CLASS 33

Ampoules, Glass. Kimble Glass Company. 253,315, renewed Feb. 26, 1949. O. G. May 24.

CLASS 34

Lamps, Acetylene, metal reflectors, and parts therefor. Chase Brass & Copper Co. Incorporated. 257,782, renewed June 18, 1949. O. G. May 24.
Stoves and ranges. Brown Stove Works, Inc. 510,153, May 24; Serial No. 542,075.

CLASS 35

Belting. The Russell Manufacturing Company. 259,140, renewed July 23, 1949. O. G. May 24.
Belting, Leather. Southern Belting Company. 396,931, Aug. 11, 1942. Republished May 24.
Brake pads and clutch pads for vehicle brakes and clutches. Royal Equipment Company. 74,306, re-renewed June 29, 1949. O. G. May 24.
Packing, Machinery. Crane Company. 113,350, Oct. 17, 1916. Republished May 24.
Packing, Sheet-asbestos. Crane Company. 114,228, Dec. 5, 1916. Republished May 24.

CLASS 36

Pianos. Brambach Piano Company. 89,438, Dec. 17, 1912. Republished May 24.
Whistles used by trap drummers. Chase Brass & Copper Co. Incorporated. 257,666, renewed June 18, 1949. O. G. May 24.

CLASS 37

Paper, Toilet. G. W. Schildge. 340,204, Nov. 3, 1936. Republished May 24.
Paper, Ledger and writing, and bond paper. Empire Paper Company. 262,472, Oct. 15, 1929. Republished May 24.
Paper, Writing, and mailing envelopes. Hampshire Paper Company, Inc. 435,234, Dec. 16, 1947. Republished May 24.
Pencils, Lead, colored pencils, copying pencils, etc. A. W. Faber, Inc. 259,960–1, renewed Aug. 13, 1949. O. G. May 24.

CLASS 38

Card, Greeting, printed greeting folders, calendars, etc. Norcross, Inc. 442,741, May 24; Serial No. 522,061, published Feb. 8, 1949.
Cartoon. King Features Syndicate, Inc. 323,027, Mar. 26, 1935. Republished May 24.
Cartoons. International Feature Service, Inc. 222,183, Dec. 28, 1926. Republished May 24.
Cartoons. King Features Syndicate, Inc. 163,775, Jan. 30, 1923. Republished May 24.
Cartoons. King Features Syndicate, Inc. 320,414, Dec. 25, 1934. Republished May 24.
Catalogs and house organs. Elco Tool and Screw Corporation. 510,049, May 24; Serial No. 533,554, published Feb. 8, 1949.
Circulars, booklets, and printed advertising material. A. B. Collins. 412,578, Mar. 13, 1945. Republished May 24.
Comic strip or cartoon. King Features Syndicate, Inc. 280,850, Mar. 3, 1931. Republished May 24.
House organ. Rockwell Manufacturing Company. 510,127, May 24; Serial No. 535,969, published Feb. 15, 1949.
Magazine. National Association of County Agricultural Agents. 510,080, May 24; Serial No. 541,440, published July 6, 1948.
Magazine. National Association of County Officials. 442,735, May 24; Serial No. 515,847, published Jan. 20, 1948.
Magazine. Opinion Research Corporation. 510,122, May 24; Serial No. 549,572, published Feb. 8, 1949.
Magazine, Monthly. Haywood Publishing Company. 510,065–9, May 24; Serial Nos. 536,897–8, published Feb. 15, 1949.
Magazine, Periodical. Century Publications. 442,740, May 24; Serial No. 521,798, published Feb. 8, 1949.
Newspaper cartoons. Central Press Association, Inc. 273,937, Aug. 19, 1930. Republished May 24.
Newspaper cartoons. King Features Syndicate, Inc. 313,939, June 12, 1934. Republished May 24.
Newspaper cartoons. King Features Syndicate, Inc. 318,860, Nov. 6, 1934. Republished May 24.
Newspaper cartoons. King Features Syndicate, Inc. 323,574, Apr. 23, 1935. Republished May 24.
Newspaper column. King Features Syndicate, Inc. 388,533, July 1, 1941. Republished May 24.
Newspaper or magazine section. King Features Syndicate, Inc. 311,043, Mar. 13, 1934. Republished May 24.
Newspaper section. King Features Syndicate, Inc. 228,331, May 31, 1927. Republished May 24.
Periodical. Hat Corporation of America. 510,124, May 24; Serial No. 555,671, published Feb. 15, 1949.
Periodical. Fenola Inc. 510,125, May 24; Serial No. 535,764, published Feb. 15, 1949.
Periodicals. For Motor Company. 510,123, May 24; Serial No. 555,492, published Feb. 15, 1949.
Post cards or pictorial illustrations, Multi-colored. Curt Teich & Company. 510,032, May 24; Serial No. 527,113, published Feb. 8, 1949.
Publication. Bearing Manual Inc. 510,091, May 24; Serial No. 541,995, published Feb. 15, 1949.
Publication. The A. N. Marquis Company. 510,109, May 24; Serial No. 545,141, published Feb. 15, 1949.
Publication, Mechanite Metal Corporation. 510,047, May 24; Serial No. 533,339, published Feb. 15, 1949.
Publication. The Scholl Mfg. Co. 377,399, May 7, 1940. Republished May 24.
Publication, Monthly. W. H. Fawcett. 163,713, Jan. 23, 1923. Republished May 24.
Publication, Monthly. Motor City Publishing Company. 371,304, Sept. 19 1939. Republished May 24.
Publication, Periodical. Syndicate Store Merchandiser, Inc. 510,121, May 24; Serial No. 548,879, published Feb. 15, 1949.
Publication, Periodical. Tide Publishing Company, Inc. 510,026, May 24; Serial No. 521,223, published Feb. 8, 1949.
Publication, Printed periodical. Southern Dairies, Inc. 510,070, May 24; Serial No. 536,964, published Feb. 8, 1949.
Publications. Rockwell Manufacturing Company. 510,126, May 24; Serial No. 555,770, published Feb. 15, 1949.
Publications, Dental. Coe Laboratories, Inc. 510,108, May 24; Serial No. 544,673, published Feb. 8, 1949.
Publications, Printed periodical. Free Enterprise Publishing Company, Inc. 510,015, May 24; Serial No. 502,284, published Feb. 15, 1949.
Publications, Various educational. National Safety Council. 510,030, May 24; Serial No. 523,791, published Feb. 8, 1949.

CLASS 39

Apparel, Children's. The Bloom Brothers Manufacturing Co. 442,727, May 24; Serial No. 506,637, published May 25, 1948.
Apparel, Maternity. G. Sealfon and D. Loeb. 442,723, May 24; Serial No. 492,796, published Sept. 28, 1948.
Apparel, Wearing. B. Altman & Co. 226,701, Apr. 19, 1927. Republished May 24.
Apparel, Women's wearing. Caraflol-Silverman Company. 510,056, May 24; Serial No. 534,998, published Feb. 10, 1948.
Articles of clothing for women, misses, and children. B. Altman & Co. 197,116, Apr. 7, 1925. Republished May 24.
Blouses and overshirts, Ladies', misses', and children's. Jane Compton Blouses, Inc. 510,145, May 24; Serial No. 525,335.
Blouses, skirts, sweaters, etc., Women's, misses', and girls'. Evanston Sales Company. 442,749, May 24; Serial No. 518,185.
Booties, mittens, socks, etc., Children's and little misses'. Henny Hat Incorporated. 442,719, May 24; Serial No. 486,486, published Jan. 25, 1949.
Boots, shoes, and slippers. Jarman Shoe Company. 257,482, renewed June 11, 1940. O. G. May 24.
Boots, shoes, and slippers. Scholl Manufacturing Company, Inc. 204,211, Oct. 13, 1925. Republished May 24.
Boots and shoes and slippers. Scholl Manufacturing Company, Inc. 211,275, Apr. 6, 1926. Republished May 24.
Boots and shoes and slippers. Scholl Manufacturing Company, Inc. 213,676, June 1, 1926. Republished May 24.
Boots, shoes, and slippers. Scholl Manufacturing Company, Inc. 215,617, July 20, 1926. Republished May 24.
Boots, shoes, and slippers. The Scholl Mfg. Co., Inc. 225,761, Mar. 22, 1927. Republished May 24.
Boots and shoes and slippers. The Scholl Mfg. Co., Inc. 395,532, June 2, 1942. Republished May 24.
Boots, Women's, shoes, and slippers. Gregory & Read Company. 308,791, Dec. 19, 1933. Republished May 24.
Bow ties for men and boys. S. Sherman. 510,140, May 24; Serial No. 517,329.
Braces, Garment-supporting. Pioneer Suspender Company. 510,033, May 24; Serial No. 527,881, published Feb. 1, 1949.
Caps, hats, and helmets, Men's, women's, and boys'. Scott's Limited. 253,802, renewed Mar. 5, 1949. O. G. May 24.
Caps, Swim, and baby pants. Dandon Sales, Inc. 442,739, May 24; Serial No. 521,116, published Feb. 15, 1949.
Chemises, panties, pajamas, Ladies', etc. I. Schneierson & Sons, Inc. 442,731, May 24; Serial No. 510,976, published Jan. 18, 1949.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 286,499, Sept. 1, 1931. Republished May 24.

Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 288,553, Nov. 3, 1931. Republished May 24.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 290,052, Dec. 22, 1931. Republished May 24.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 292,089, Apr. 5, 1932. Republished May 24.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 293,036, Apr. 5, 1932. Republished May 24.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 293,038, Apr. 5, 1932. Republished May 24.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 308,243, Nov. 28, 1933. Republished May 24.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 313,957, June 12, 1934. Republished May 24.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 315,958, Aug. 14, 1934. Republished May 24.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 321,897, Jan. 29, 1935. Republished May 24.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 321,767, Feb. 12, 1935. Republished May 24.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 323,472, Apr. 16, 1935. Republished May 24.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 329,454, Oct. 29, 1935. Republished May 24.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 333,480, Mar. 24, 1936. Republished May 24.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 338,782, Sept. 15, 1936. Republished May 24.
Chemises, Ladies', princess slips, bloomers, etc. I. Schneierson & Sons, Inc. 367,822, May 30, 1939. Republished May 24.
Clothing. Barberrys Limited. 510,077, May 24; Serial No. 539,645, published Jan. 18, 1949.
Clothing for men and boys. Western style. Dickson-Jenkins Manufacturing Company. 510,117, May 24; Serial No. 547,241, published Jan. 18, 1949.
Clothing for men, young men, and boys. Outer. The J. L. Hudson Company. 257,222, renewed June 4, 1949. O. G. May 24.
Clothing, Men's and youths'. Brooks Clothes, Incorporated. 510,148, May 24; Serial No. 534,900.
Cloths, Face, or towels and handkerchiefs. F. J. Rowse. 109,328, Mar. 28, 1916. Republished May 24.
Coats and suits, Ladies'. A. Leon. 442,718, May 24; Serial No. 482,934, published Feb. 19, 1946.
Coats, cloaks, and suits for girls and women. Susan Fashions, Inc. 510,137, May 24; Serial No. 516,383.
Coats, suits, dresses, Children's, etc. The Hobby Horse. 510,009, May 24; Serial No. 480,842, published Feb. 1, 1949.
Corsets. I. Newman & Sons, Incorporated. 510,114, May 24; Serial No. 546,021, published Jan. 18, 1949.
Corsets, girdles, brassières, etc. A. Silvain. 510,098, May 24; Serial No. 543,538, published Feb. 8, 1949.
Costumes, Children's fancy dress. Wolff, Fording & Company, Inc. 510,136, May 24; Serial No. 514,086.
Diaper holders in the nature of panties, Paper disposable. Crown Zellerbach Corporation. 510,092, May 24; Serial No. 542,010, published Jan. 18, 1949.
Dresses, Children's. Mrs. W. M. Fuller. 510,150, May 24; Serial No. 537,998.
Dresses, playsuits, skirts, etc., Misses', ladies', and children's. The Gernee Garment Company Inc. 510,093, May 24; Serial No. 542,112, published Jan. 18, 1949.
Dresses, slacks, outer shorts, Girls' and ladies', etc. V. Goldfield. 510,028, May 24; Serial No. 522,343, published Feb. 8, 1949.
Dresses, Women's wash. B. Rosenstein. 442,745, May 24; Serial No. 525,682, published Jan. 18, 1949.
Dry goods. B. Altman & Co. 250,429, renewed Dec. 11, 1948. O. G. May 24.
Extensions for low shoe uppers. The Scholl Mfg. Co., Inc. 382,824, Jan. 13, 1942. Republished May 24.
Garments, Foundation. N. H. Moench. 510,008, May 24; Serial No. 476,169, published Jan. 25, 1949.
Garments, Sleeping, and women's and children's knitted underwear. Marshall Field & Company. 288,778, Nov. 3, 1931. Republished May 24.
Garments, Women's outer maternity. A. Greenwald. 510,020, May 24; Serial No. 515,659, published Feb. 1, 1949.
Girdles and panty girdles. True Form Corset Company, Inc. 510,156, May 24; Serial No. 553,143.
Gloves and mittens. The Boss Manufacturing Company. 254,681, renewed Mar. 26, 1949. O. G. May 24.
Gloves and mittens, Fabric. E. Linick. 510,146, May 24; Serial No. 529,478.
Gloves, Fabric. Louis Meyers & Son, Inc. 510,159, May 24; Serial No. 550,310.
Gloves, Ladies'. Acme Glove Corporation. 510,013, May 24; Serial No. 494,766, published Jan. 18, 1949.
Gloves, Work. Indianapolis Glove Company. 510,065, May 24; Serial No. 536,015, published Feb. 15, 1949.
Gowns, Bridal. C. Glenn. 442,730, May 24; Serial No. 510,248, published Feb. 15, 1949.
Gowns, Women's and young misses' evening, hostess gowns, dresses and suits. Martial Frocks. 442,721, May 24; Serial No. 492,329, published July 22, 1947.
Hair nets, snoods, etc. J. W. Lee. 510,139, May 24; Serial No. 516,775.
Heel pad, Combination rubber and leather. The Scholl Mfg. Co., Inc. 246,389, Sept. 4, 1928. Republished May 24.
Hosiery. Brooks Hosiery Mills. 245,370, Aug. 14, 1928. Republished May 24.
Hosiery. Brooks Hosiery Mills. 246,494, Sept. 11, 1928. Republished May 24.
Hosiery. F. Sachsenmaier. 240,750, renewed Nov. 20, 1948. O. G. May 24.
Hosiery. F. Sachsenmaier. 252,234, renewed Jan. 29, 1949. O. G. May 24.
Hosiery. F. Sachsenmaier. 253,162, renewed Feb. 19, 1940. O. G. May 24.
Liners, Heel. Scholl Manufacturing Company, Inc. 216,979, Aug. 24, 1926. Republished May 24.
Liners, Heel. The Scholl Mfg. Co., Inc. 242,740, June 5, 1928. Republished May 24.
Lingerie. H. Mantell. 510,138, May 24; Serial No. 516,558.
Lingerie for women and misses. B. Altman & Co. 342,572, Jan. 19, 1937. Republished May 24.
Lingerie, Misses' and women's. Stillman & Kagan Inc. 442,722, May 24; Serial No. 492,474, published Jan. 18, 1949.
Muffs, Ear. Portis Style Industries, Inc. 510,043, May 24; Serial No. 531,947, published Feb. 1, 1949.
Neckties and cravats. Hewes & Potter, Inc. 433,527, Oct. 14, 1947. Amended. O. G. May 24.
Outerwear, Ladies'. J. N. Clarke, Limited. 438,450, Apr. 29, 1948. O. G. May 24.
Outerwear, Men's, women's, boys' and girls' knitted. New York Knitting Mills. 429,981, June 3, 1947. Republished May 24.
Overshoes, Ladies', misses' and children's. Sun Valley Boots, Inc. 510,021, May 24; Serial No. 516,382, published Feb. 1, 1949.
Pants, Work, and work shirts. J. H. Churchwell Company. 442,743, May 24; Serial No. 524,374, published Jan. 25, 1949.
Pillowcases, Cotton, cotton sheets, and cotton handkerchiefs. Ware Shoals Manufacturing Company. 240,780, Apr. 10, 1928. Republished May 24.
Robes, slacks, sport shirts, etc. Botany Mills, Inc. 510,042, May 24; Serial No. 531,706, published Feb. 15, 1949.
Scarf headpiece. The Kentucky Looms, Inc. 510,010, May 24; Serial No. 489,073, published Feb. 8, 1949.
Shirts and collars, Men's dress. Marlboro Shirt Company, Inc. 256,212, renewed May 7, 1949. O. G. May 24.
Shirts and sport shirts, Men's outer. Sutton Shirt Corp. 510,045, May 24; Serial No. 532,175, published Feb. 15, 1949.
Shirts for men and boys, Dress, negligee and work. Wide Awake Shirt Company, Inc. 510,095, May 24; Serial No. 543,016, published Feb. 1, 1949.
Shirts for men and boys, Dress, negligee and work. Wide Awake Shirt Company, Inc. 510,096, May 24; Serial No. 543,018, published Feb. 1, 1949.
Shirts, Outer. Dixie Shirt Company, Inc. 442,746, May 24; Serial No. 525,798, published Feb. 1, 1949.
Shirts, Sport, pajamas and neckties. Phillips-Jones Corporation. 442,747, May 24; Serial No. 525,943, published Feb. 22, 1949.
Shoes. Cannon Shoe Company. 442,717, May 24; Serial No. 475,356, published Apr. 27, 1948.
Shoes. Huth-James Shoe, Inc. 510,046, May 24; Serial No. 532,592, published Feb. 1, 1949.
Shoes. S. L. Kleven. 435,203, Dec. 16, 1947. Republished May 24.
Shoes. I. Lander. 442,751, May 24; Serial No. 522,069.
Shoes. Nissen's. 442,729, May 24; Serial No. 508,357, published Jan. 25, 1949.
Shoes. Reider Shoe Mfg. Co., Inc. 510,037, May 24; Serial No. 530,335, published Jan. 25, 1949.
Shoes. The Schiff Company. 510,016, May 24; Serial No. 503,997, published Jan. 18, 1949.
Shoes and boots. The Excelsior Shoe Company. 258,385, renewed July 9, 1949. O. G. May 24.
Shoes, boots, and slippers. The Scholl Mfg. Co., Inc. 313,660, June 5, 1934. Republished May 24.
Shoes, boots, or slippers. B. Altman & Co. 96,624, Apr. 28, 1914. Republished May 24.
Shoes, Leather. P. Karl. 257,464, renewed June 11, 1949. O. G. May 24.
Shoes, Men's. The Schiff Company. 510,018, May 24; Serial No. 512,537, published Jan. 18, 1949.
Shoes, Tennis and athletic. Endicott Johnson Corporation. 245,177, Aug. 7, 1928. Republished May 24.
Shoes, Women's. M. J. Saks Shoe Corp. 442,732, May 24; Serial No. 511,963, published Feb. 15, 1949.
Snowsuits. Werber Sportswear Inc. 510,057, May 24; Serial No. 535,206, published Feb. 15, 1949.

Soles and heels, Rubber-composition, artics and tennis shoes, etc. Endicott Johnson Corporation. 257,065, renewed May 28, 1949. O. G. May 24.

Soles of rubber composition or its equivalent. The Bear-foot Sole Company, Inc. 253,708, renewed Mar. 5, 1949. O. G. May 24.

Suits, Men's, students' suits and sport coats. Sewell Manufacturing Company. 442,724, May 24; Serial No. 494,929, published Aug. 24, 1948.

Suits, coats, vests, etc., Men's and young men's. Weinberg Corporation. 510,041, May 24; Serial No. 531,273, published Feb. 1, 1949.

Suits, jackets, slacks, Boy's and girls', etc. Imporiginals, Inc. 510,027, May 24; Serial No. 522,323, published Feb. 8, 1949.

Suits, outer skirts, jackets, Misses' and junior misses', etc. Derby Sportswear, Inc. 510,022, May 24; Serial No. 518,207, published Feb. 8, 1949.

Suits, pants, topcoats, etc., Boys'. Boyd-Richardson Company. 510,012, May 24; Serial No. 494,736, published Feb. 15, 1949.

Swimsuits, coats, jackets, etc., Men's, women's, and children's. Gantner & Mattern Company. 442,733, May 24; Serial No. 513,175, published Jan. 18, 1949.

Trousers and slacks, Men's. Sonneborn & Young, Incorporated. 442,742, May 24; Serial No. 523,158, published July 20, 1948.

Undergarments. Tewi Lingerie Inc. 510,090, May 24; Serial No. 541,717, published Jan. 18, 1949.

Underwear, Ladies'. The Parsons & Baker Company. 160,266, Oct. 17, 1922. Republished May 24.

Underwear, Ladies', children's, men's, and boys' cotton knit. The Parsons & Baker Company. 314,324, June 26, 1934. Republished May 24.

Underwear, Ladies' one and two piece knitted. The Parsons & Baker Company. 209,379, Feb. 23, 1926. Republished May 24.

Underwear, Ladies' rayon, pajamas, and night gowns. Dutchess Underwear Corporation. 331,163–6, Dec. 31, 1935. Republished May 24.

Underwear, Ladies' rayon, pajamas, and night gowns. Dutchess Underwear Corporation. 333,741, Apr. 7, 1936. Republished May 24.

Underwear, Ladies' rayon, pajamas, and night gowns. Dutchess Underwear Corporation. 333,775, Apr. 7, 1936. Republished May 24.

Underwear, Ladies' rayon, pajamas, and night gowns. Dutchess Underwear Corporation. 333,776, Apr. 7, 1936. Republished May 24.

Underwear, Ladies' rayon, pajamas, and night gowns. Dutchess Underwear Corporation. 333,998, Apr. 14, 1936. Republished May 24.

Underwear, Ladies' rayon, pajamas, and night gowns. Dutchess Underwear Corporation. 336,833, July 21, 1936. Republished May 24.

Underwear, Ladies' rayon, pajamas, and night gowns. Dutchess Underwear Corporation. 338,525, Sept. 8, 1936. Republished May 24.

Underwear, Ladies' rayon, pajamas, and night gowns. Dutchess Underwear Corporation. 343,376–7, Feb. 16, 1937. Republished May 24.

Underwear, Ladies' rayon, pajamas, and night gowns. Dutchess Underwear Corporation. 346,280, May 18, 1937. Republished May 24.

Underwear, Ladies' rayon, pajamas, and night gowns. Dutchess Underwear Corporation. 369,131, July 18, 1939. Republished May 24.

Underwear, One, two, and three piece ladies' knitted. The Parsons & Baker Company. 223,716, Feb. 8, 1927. Republished May 24.

Underwear, Men's and children's knit. The Parsons & Baker Company. 306,312, Nov. 28, 1933. Republished May 24.

CLASS 40

Hairpins. H. H. Waltz. 223,548, Feb. 8, 1927. Republished May 24.

CLASS 42

Blankets, Woolen. McCallum & Craigie, Limited. 255,879, renewed Apr. 30, 1949. O. G. May 24.

Cloths, Face, or towels and handkerchiefs. F. J. Rowse. 109,328, Mar. 28, 1916. Republished May 24.

Crepe de chine, Silk. Moaskad Bros. 337,521, Aug. 11, 1936. Republished May 24.

Draperies, drapery, and upholstery fabrics, curtains, etc. R. Altman & Co. 370,800, Sept. 5, 1939. Republished May 24.

Dry goods. B. Altman & Co. 250,429, renewed Dec. 11, 1948. O. G. May 24.

Fabric, Woven. Cohen, Goldman & Co., Inc. 256,576–7, renewed May 21, 1949. O. G. May 24.

Fabrics. Respro Inc. 438,704, May 11, 1948. Republished May 24.

Fabrics in the piece, Textile. Folker Fabrics, Inc. 373,209, Dec. 5, 1939. Republished May 24.

Fabrics in the piece, Woolen, and woolen blankets. Botany Mills, Inc. 510,147, May 24; Serial No. 532,116.

Fabrics, Woven. M. R. Brulé. 423,499, Sept. 3, 1946. Republished May 24.

Goods in the piece, Cotton, and drapery fabrics. John Wolf Textiles, Inc. 510,129, May 24; Serial No. 559,199, published Dec. 21, 1948.

Piece goods, Cotton. Minot, Hooper & Co. 180,003, Feb. 19, 1924. Republished May 24.

Piece goods, Cotton. Minot, Hooper & Co. 216,263, Aug. 10, 1926. Republished May 24.

Piece goods, Rayon. Arthur Bair & Co., Inc. 253,349, renewed Feb. 26, 1949. O. G. May 24.

Piece goods, Rayon. Mooresville Cotton Mills. 417,167, Oct. 16, 1945. Republished May 24.

Pillowcases, Cotton, cotton sheets, and cotton handkerchiefs. Ware Shoals Manufacturing Company. 240,780, Apr. 10, 1928. Republished May 24.

CLASS 43

Yarns. James Lees and Sons Company. 439,619, July 6, 1948. Republished May 24.

Yarns. James Lees and Sons Company. 510,158, May 24; Serial No. 553,893.

CLASS 44

Adhesive, bandage, and foot plaster. The Scholl Mfg. Co., Inc. 350,075, Sept. 14, 1937. Republished May 24.

Antiseptic fabric dry dressing. The Scholl Mfg. Co., Inc. 231,008, Aug. 9, 1927. Republished May 24.

Bandage, Adhesive, and foot plaster. The Scholl Mfg. Co., Inc. 351,099, Oct. 19, 1937. Republished May 24.

Bandage, Adhesive, and foot plaster. The Scholl Mfg. Co., Inc. 363,493, Dec. 27, 1938. Republished May 24.

Cartridges for containing medicaments. Cook Laboratories, Inc. 253,266, renewed Feb. 26, 1949. O. G. May 24.

Dentures, Artificial. Billings Dental Laboratories. 510,157, May 24; Serial No. 534,846.

Foot corrective appliances. Scholl Manufacturing Company, Inc. 269,218, Apr. 1, 1930. Republished May 24.

Foot corrective appliances. The Scholl Mfg. Co., Inc. 281,362, Mar. 17, 1931. Republished May 24.

Foot corrective appliances. The Scholl Mfg. Co., Inc. 341,808, Dec. 22, 1936. Republished May 24.

Heels, Cushion, heel pads and supports, stocking heel protectors, toe separators, etc. The Scholl Mfg. Co., Inc. 330,456, Dec. 3, 1935. Republished May 24.

Insoles. The Scholl Mfg. Co., Inc. 230,215, July 19, 1927. Republished May 24.

Pads, Heel. The Scholl Mfg. Co., Inc. 280,947, Mar. 3, 1931. Republished May 24.

Pads, Heel, and insoles. The Scholl Mfg. Co., Inc. 338,098, Dec. 3, 1935. Republished May 24.

Pads, Metatarsal, and ankle supports. Scholl Manufacturing Company, Inc. 211,204, Apr. 6, 1926. Republished May 24.

Pads, plasters, and medicated shields. The Scholl Mfg. Co., Inc. 215,226, July 13, 1926. Republished May 24.

Plaster, Adhesive, bandage plaster, and foot plaster. The Scholl Mfg. Co., Inc. 319,503, Nov. 27, 1934. Republished May 24.

Plaster, Adhesive, bandage plaster, and foot plaster. The Scholl Mfg. Co., Inc. 319,899, Dec. 11, 1934. Republished May 24.

Robes, Surgical and examination. A. A. Tashbar. 510,134, May 24; Serial No. 502,542.

Roller apparatus, Massaging. The Scholl Mfg. Co., Inc. 407,052, May 16, 1944. Republished May 24.

Supports, Arch. The Scholl Mfg. Co., Inc. 220,353, Nov. 9, 1926. Republished May 24.

Supports, Arch. The Scholl Mfg. Co., Inc. 225,932, Mar. 29, 1927. Republished May 24.

Supports, Arch. The Scholl Mfg. Co., Inc. 233,240, Sept. 27, 1927. Republished May 24.

Supports, Arch. The Scholl Mfg. Co., Inc. 242,430, May 22, 1928. Republished May 24.

Supports, Arch. The Scholl Mfg. Co., Inc. 243,827–9, July 3, 1928. Republished May 24.

Supports, Arch. The Scholl Mfg. Co., Inc. 243,892, July 3, 1928. Republished May 24.

Supports, Arch. The Scholl Mfg. Co., Inc. 247,829, Oct. 9, 1928. Republished May 24.

Supports, Arch. The Scholl Mfg. Co., Inc. 250,523, Dec. 11, 1928. Republished May 24.

Supports, Arch. The Scholl Mfg. Co., Inc. 403,380, Sept. 21, 1943. Republished May 24.

Supports, Arch. The Scholl Mfg. Co., Inc. 404,742, Dec. 21, 1943. Republished May 24.

Supports, Arch. The Scholl Mfg. Co., Inc. 408,942, Sept. 5, 1944. Republished May 24.

Supports, Arch. The Scholl Mfg. Co., Inc. 410,225–6, Nov. 14, 1944. Republished May 24.

Supports, Arch, and appliances. The Scholl Mfg. Co., Inc. 324,499, May 21, 1935. Republished May 24.

Supports, Arch, and insoles. The Scholl Mfg. Co., Inc. 333,764, Apr. 7, 1936. Republished May 24.

Supports, Arch, and similar foot corrective appliances. The Scholl Mfg. Co., Inc. 223,272, Mar. 15, 1927. Republished May 24.

Supports, Foot arch, metatarsal arch supports, arch pads, etc. The Scholl Mfg. Co., Inc. 349,153, Aug. 24, 1937. Republished May 24.

CLASS 45

Beverages, Carbonated. Swirls, Inc. 365,452, Mar. 7, 1939. Republished May 24.

Beverages, Carbonated. Swirls, Inc. 365,679–81, Mar. 14, 1939. Republished May 24.

Beverages, Fruit flavored, non-alcoholic, maltless. Pal, Inc. 432,419, Sept. 2, 1947. Republished May 24.

Pectin solutions, preparations, and compositions consisting of pectin mixed with water, etc. The Exchange Orange Products Company. 259,660, renewed Aug. 6, 1940. O. G. May 24.

Pectin solutions, pectin compounds, pectin preparations, concentrated fruit juices, etc. The Exchange Orange Products Company. 259,661, renewed Aug. 6, 1940. O. G. May 24.

Root beer. Krueger Beverage Company. 356,931, May 17, 1938. Republished May 24.

Root beer, root beer syrup, and root beer concentrate. Krueger Beverage Company. 354,077, Feb. 1, 1938. Republished May 24.

CLASS 46

Alimentary paste products. D. Merlino. 510,062, May 24; Serial No. 535,731, published Feb. 8, 1949.

Apples, Fresh. Wenatchee-Okanogan Cooperative Federation. 510,151, May 24. Serial No. 538,332.

Apples, Fresh, and fresh pears. Perham Fruit Company. 205,135–7, Nov. 3, 1925. Republished May 24.

Apples, Fresh dessert, and prunes. C. A. Glass Co., Inc. 287,881, Oct. 13, 1931. Republished May 24.

Bacon and ham. Cudahy Brothers Company. 122,446, Aug. 20, 1918. Republished May 24.

Beef and pork products. Cudahy Brothers. 372,713, Nov. 14, 1939. Republished May 24.

Beverages, Domestic, staples, jellies, and paste, etc. Charles & Company. 191,367, Nov. 4, 1924. Republished May 24.

Candies. Dutch Mill Candy Co. 442,728, May 24; Serial No. 506,740, published Feb. 8, 1949.

Candies. Standard Candy Company. 510,023, May 24; Serial No. 519,229, published Jan. 25, 1949.

Candy. Carónet Candy Company Inc. 254,152, renewed Mar. 12, 1949. O. G. May 24.

Candy. M. O. Gibbs. 226,748, Apr. 19, 1927. Republished May 24.

Candy. Mason, Au and Magenheimer Confectionery Manufacturing Company. 89,680, Dec. 31, 1912. Republished May 24.

Candy. Norris, Incorporated. 348,408, July 27, 1937. Republished May 24.

Candy. S. Ostrowits. 510,118, May 24; Serial No. 548,098, published Feb. 8, 1949.

Candy. W. B. Palmer Estate. 510,064, May 24; Serial No. 540,103, published Feb. 8, 1949.

Canned concentrated purée of tomatoes. Mato-Mix, Inc. 510,024, May 24; Serial No. 519,767, published Nov. 30, 1948.

Canned fish. California Canners Associates. 510,036, May 24; Serial No. 529,147, published Dec. 7, 1948.

Canned fish, salt fish, canned vegetables, etc. Taylor & Sledd, Inc. 260,263, renewed Aug. 20, 1949. O. G. May 24.

Canned fruits, caned vegetables, coffee, etc. H. Kellogg & Sons. 182,088, Apr. 1, 1924. Republished May 24.

Canned peas. Waterloo Canning Association. 510,058, May 24; Serial No. 535,281, published Feb. 1, 1949.

Canned salmon. Hodgson and Company Limited. 178,589, Jan. 15, 1924. Republished May 24.

Canned sardines. F. B. Neuhoff. 183,792, May 6, 1924. Republished May 24.

Canned vegetables. Fine Foods, Inc. 510,085, May 24; Serial No. 540,658, published Feb. 8, 1949.

Canned vegetables. Griffin & Skelley Company, 72,908–4, re-renewed Mar. 2, 1949. O. G. May 24.

Canned vegetables. Portland Packing Co. 510,119, May 24; Serial No. 548,406, published Feb. 1, 1949.

Canned vegetables and canned fruits. Haas, Baruch & Co. 258,426, renewed July 9, 1949. O. G. May 24.

Cantaloupes, Fresh, fresh casba melons, fresh honey dew melons, etc. Miller-Cummings Company, Inc. 173,385, Sept. 25, 1923. Republished May 24.

Carrots, Fresh. McSweeny Bros. 442,736, May 24; Serial No. 518,023, published Oct. 5, 1948.

Cereal breakfast foods. General Foods Corporation. 510,149. May 24; Serial No. 535,027.

Cherries, Preserved. Mawer-Gulden-Annis, Inc. 510,061, May 24; Serial No. 535,728, published Jan. 25, 1949.

Chewing-gum. The D. L. Clark Company. 135,947, Oct. 26, 1920. Republished May 24.

Chewing gum. The Philadelphia Chewing Gum Corporation. 510,097, May 24; Serial No. 543,324, published Dec. 28, 1948.

Chocolate, Ground, cocoa, bitter sweet chocolate, etc. D. Ghirardelli Co. 438,552, Apr. 13, 1948. Republished May 24.

Coffee. The Weppner Weil Company. 256,588, May 21, 1929. Corrected. O. G. May 24.

Cookies. Zion Industries, Inc. 510,130, May 24; Serial No. 570,240, published Feb. 15, 1949.

Eggs, Pure concentrated whole, and yolks. Redhurd Corporation. 510,111, May 24; Serial No. 545,302, published Feb. 8, 1949.

Flour, Wheat. Buffalo Flour Mills Corporation. 247,254, Sept. 25, 1928. Republished May 24.

Flour, Wheat. The Colorado Milling & Elevator Co. 256,755–6, May 21, 1929. Republished May 24.

Flour, Wheat. Commander Milling Company. 247,160, renewed Sept. 18, 1948. O. G. May 24.

Flour, Wheat. Ismert-Hincke Milling Company. 216,183, Aug. 3, 1926. Republished May 24.

Flour, Wheat. Ismert-Hincke Milling Company. 372,587, Nov. 7, 1939. Republished May 24.

Flour, Wheat. Ismert-Hincke Milling Company. 375,684, Feb. 27, 1940. Republished May 24.

Flour, Wheat. John F. Meyer & Sons Milling Co. 73,589, May 4, 1909. Republished May 24.

Flour, Wheat. Shankel Mill Company, Incorporated. 510,061, May 24; Serial No. 534,382, published Feb. 8, 1949.

Flour, Wheat, eggs, and rolled oats. American Stores Company. 259,385, renewed Dec. 11, 1948. O. G. May 24.

Food, Dog. R. L. Davis. 510,071, May 24; Serial No. 537,162, published Feb. 16, 1949.

Food, Dog. The Park & Pollard Co. Inc. 393,195, Jan. 27, 1942. Corrected. O. G. May 24.

Food preparations. H. B. Hunter Co., Inc. 258,313, renewed July 2, 1949. O. G. May 24.

Fruits, Dried and evaporated, and canned fruits. Griffin & Skelley Company, 72,961, re-renewed Mar. 9, 1949. O. G. May 24.

Fruits, Dried and evaporated, and canned fruits. Griffin & Skelley Company, 73,005, re-renewed Mar. 9, 1949. O. G. May 24.

Fruits, Fresh citrus. Anaheim Citrus Fruit Association. 259,110, renewed July 23, 1949. O. G. May 24.

Fruits, Fresh citrus. A. S. Bradford. 128,944, Jan. 20, 1920. Republished May 24.

Fruits, Fresh citrous. Chula Vista Citrus Association. 222,209, Dec. 28, 1926. Republished May 24.

Fruits, Fresh citrous. Chula Vista Citrus Association. 226,006, Mar. 29, 1927. Republished May 24.

Fruits, Fresh citrous. Chula Vista Citrus Association. 226,380, Apr. 5, 1927. Republished May 24.

Fruits, Fresh citrus. Chula Vista Citrus Association. 253,859, Mar. 5, 1929. Republished May 24.

Fruits, Fresh citrous. Corona Citrus Association. 205,764, Nov. 17, 1925. Republished May 24.

Fruits, Fresh citrous. Corona Citrus Association. 213,341, May 25, 1926. Republished May 24.

Fruits, Fresh citrus. Highland Exchange Association. 205,940, Nov. 17, 1925. Republished May 24.

Fruits, Fresh citrus. Highland Exchange Association. 223,400, Feb. 1, 1927. Republished May 24.

Fruits, Fresh citrous. A. S. Holden. 198,831–3, May 26, 1925. Republished May 24.

Fruits, Fresh citrus. The Irvine Citrus Association. 205,945, Nov. 17, 1925. Republished May 24.

Fruits, Fresh citrus, J. E. Pogue Packing House. 510,101–2, May 24; Serial Nos. 543,743–4, published Dec. 21, 1948.

Fruits, Fresh citrus. Pomona Fruit Growers Exchange. 234,675, Nov. 1, 1927. Republished May 24.

Fruits, Fresh citrus, Pomona Fruit Growers Exchange. 245,832, Aug. 21, 1928. Republished May 24.

Fruits, Fresh citrus. Richgrove-Jasmine Citrus Association. 442,750, May 24; Serial No. 519,530.

Fruits, Fresh citrus. Seaboard Lemon Association. 355,716, Mar. 29, 1938. Republished May 24.

Fruits, Fresh citrous. Sweetwater Fruit Company. 223,715, Feb. 8, 1927. Republished May 24.

Fruits, Fresh citrous. Sweetwater Fruit Company. 228,065, May 24, 1927. Republished May 24.

Fruits, Fresh citrus. Upland Heights Orange Association. 219,543, Oct. 19, 1926. Republished May 24.

Fruits, Fresh citrus. Upland Heights Orange Association. 223,436, Feb. 1, 1927. Republished May 24.

Fruits, Fresh citrus. Ventura Citrus Association. 213,061–3, May 18, 1926. Republished May 24.

Fruits, Fresh citrus. Ventura Citrus Association. 215,499, July 20, 1926. Republished May 24.

Fruits, Fresh citrus. Ventura Citrus Association. 217,374, Aug. 31, 1926. Republished May 24.

Fruits, Fresh citrus. Victoria Avenue Citrus Association. 243,525, June 26, 1928. Republished May 24.

Fruits, Fresh deciduous. R. Fierro. 408,078, July 18, 1944. Republished May 24.

Grapes, Fresh. Associated Growers, Incorporated. 169,263, June 12, 1923. Republished May 24.

Grapes, Fresh. Coachella Valley Grape Growers Asso. 249,570, Nov. 20, 1925. Corrected. O. G. May 24.

Grapes, Fresh. Victor Fruit Growers, Inc. 160,226, Mar. 27, 1923. Republished May 24.

Grapes, Fresh. Victor Fruit Growers, Inc. 265,918, Jan. 7, 1930. Republished May 24.

Ice cream. Martha Washington Ice Cream Corporation. 442,738, May 24; Serial No. 519,824, published Feb. 8, 1949.

Lard, spiced pork and beef, etc. Cudahy Brothers Company. 372,901, Nov. 21, 1939. Republished May 24.

Lemons, Fresh. Seaboard Lemon Association. 355,545, Mar. 22, 1938. Republished May 24.

Macaroni. Cumberland Macaroni Mfg. Company. 260,785, renewed Aug. 27, 1949. O. G. May 24.

Macaroni, P. Pastene & Co., Inc. 251,729, renewed Jan. 15, 1949. O. G. May 24.

Meats, Smoked. Cudahy Brothers Company. 372,712, Nov. 14, 1939. Republished May 24.

Milk, Powdered. Nestle's Milk Products, Inc. 442,720, May 24; Serial No. 492,273, published Mar. 26, 1946.
Mince meat. Old Virginia Packing Co., Inc. 510,065, May 24; Serial No. 534,916, published Jan. 25, 1949.
Mustard, Prepared. The Frank Tea & Spice Company. 442,744, May 24; Serial No. 524,096, published Feb. 8, 1949.
Noodles, Chow mein, soy sauce, bamboo shoots, etc. Min Sun Trading Company. 442,734, May 24; Serial No. 514,616, published Feb. 8, 1949.
Nutritional supplement, and a broth powder. Vitamineralis, Inc. 510,035, May 24; Serial No. 527,722, published Jan. 25, 1949.
Oils, Refined edible vegetable. Cudahy Brothers Co. 364,616, Apr. 14, 1942. Republished May 24.
Oysters in their natural state. J. & J. W. Elsworth Co. 510,099, May 24; Serial No. 543,582, published Feb. 8, 1949.
Pectin solutions, preparations, and compositions consisting of pectin mixed with water, etc. The Exchange Grange Products Company. 259,600, renewed Aug. 6, 1949. O. G. May 24.
Pickles, pickled onions and sweet relishes, etc. C. C. Lang & Son, Incorporated. 359,378, Aug. 16, 1938. Republished May 24.
Pork roll. The Taylor Provision Co. 73,183, re-renewed Mar. 23, 1949. O. G. May 24.
Seasoning, Poultry, rubbed sage, powdered sage, etc. McCormick & Company, Inc. 510,053, May 24; Serial No. 534,798, published Feb. 15, 1949.
Shortening, Vegetable. Cudahy Brothers Company. 352,637, Dec. 7, 1937. Republished May 24.
Spaghetti sauce. The Creamette Company. 510,104, May 24; Serial No. 543,899, published Feb. 8, 1949.
Tea. The Great American Tea Company. 510,110, May 24; Serial No. 545,371, published Feb. 8, 1949.
Tea, coffee, cheese, etc. Abbott Cross Co. 99,038, Aug. 11, 1914. Republished May 24.
Tea, coffee, mayonnaise, etc. Martin Gillet & Co. Inc. 510,076, May 24; Serial No. 539,160, published Nov. 23, 1948.
Vegetables, Fresh. R. A. Hartness. 370,267, Aug. 22, 1939. Republished May 24.
Vegetables, Fresh. G. L. Martin. 510,133, May 24; Serial No. 573,337.

CLASS 47

Wines. Lucien Ardin. Inc. 405,456, Feb. 1, 1944. Republished May 24.
Wines. Lucien Ardin, Inc. 405,884, Feb. 29, 1944. Republished May 24.
Wines. Lucien Ardin, Inc. 406,155, Mar. 14, 1944. Republished May 24.
Wines. Lucien Ardin, Inc. 406,427, Apr. 4, 1944. Republished May 24.
Wines. Bohemian Distributing Co. Ltd. 310,311, Feb. 20, 1934. Republished May 24.
Wines. M. L. Régnier de Nuits. 315,394, July 24, 1934. Republished May 24.

CLASS 48

Beer. M. B. Foster & Sons, Limited. 73,139, re-renewed Mar. 16, 1949. O. G. May 24.

CLASS 49

Whiskey. William Whiteley & Co. Inc. 329,088, Oct. 15, 1935. Republished May 24.
Whiskey, Scotch. William Whiteley & Co. Inc. 338,532, Sept. 8, 1936. Republished May 24.
Whiskies, Blended scotch. Mitchell Brothers Limited. 73,476, re-renewed Apr. 20, 1949. O. G. May 24.
Whisky. J. & G. Stewart, Limited. 314,550, July 3, 1934. Republished May 24.
Whisky. William Whiteley & Co., Inc. 318,813, Nov. 6, 1934. Republished May 24.
Whisky, Scotch. Glenforres Glenlivet Distillery Co. Limited. 292,528, Mar. 15, 1932. Republished May 24.

CLASS 55

Auctioneer services. H. I. Segal. 510,161, May 24; Serial No. 530,859.
Making applications of plastic coatings, Services in. Green Contracting and Engineering Company, Inc. 510,131, May 24; Serial No. 542,309, published Feb. 8, 1949.
Receipt transmission, and delivery of communications by radio, telephony, telegraphy, etc. American Cable & Radio Corporation. 510,132, May 24; Serial No. 549,040, published Feb. 8, 1949.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ancet, Victor M. J., Lyon, France, assignor, by mesne assignments, to Regina, S. A., a societe anonyme, Tangiers, Morocco. Thread operated stop motion in circular looms. Re. 23,114, May 24.
Chrysler Corporation, assignee: *See*—
Uts, Chester C.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Lonts, John F.
Lonts, John F., Nutley, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plant regulant composition and method. Re. 23,115, May 24.
Regina, S. A., a societe anonyme, assignee: *See*—
Ancet, Victor M. J.
Uts, Chester C., Magnolia, Redford Station, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle stabilizing means. Re. 23,116, May 24.

LIST OF PLANT PATENTEES

Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 838, May 24.
Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 839, May 24.
Hill, Joseph H., Company, assignee: *See*—
Byrum, Roy L.
Sodano, Jimmy: *See*—
Sodano, Vincenzo.
Sodano, Vincenzo, known as Jimmy Sodano, Madison, N. J. Rose plant. 840, May 24.

LIST OF DESIGN PATENTEES

Anbender, Harry, and W. J. Weinstein, Detroit, Mich. Perfume atomizer. 153,840, May 24.
Automatic Washer Company, assignee: *See*—
Morgan, Jack.
Autopoint Company, assignee: *See*—
Beckstrom, Garfield L.
Avila, John V., San Jose, Calif. Building. 153,841, May 24.
Bader, Carl, St. Louis, Mo. Automatic shoeshine machine. 153,842, May 24.
Bartolomeo, Eugene R., Waterbury, Conn. Sail boat shelf figure. 153,843, May 24.
Basalay, Leo S., Chicago, Ill. Burial vault name plate. 153,844, May 24.
Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Letter opener. 153,845, May 24.
Beckstrom, Garfield L., assignor to Autopoint Company, Chicago, Ill. Temperature and humidity indicator housing. 153,846, May 24.
Bonilla, Saturnino T., New York, N. Y. Eyecup. 153,847, May 24.
Branham, Theodore G., assignor to Standard Steel Works, North Kansas City, Mo. Tank truck. 153,848, May 24.
Brann, Carl C., Riverside, Conn. Incandescent lighting fixture. 153,849, May 24.
Brazauski, William N., Chicago, Ill. Chair. 153,850, May 24.
Brodton, Lynn, New York, N. Y. Taxicab. 153,851, May 24.
Burstein, Robert L., administrator: *See*—
Libby, Jules L.
Carlson, Artie C., Detroit, assignor to Wickes Brothers, Saginaw, Mich. Injection molding machine. 153,852, May 24.
Cizek, Arthur, Denver, assignor to Red Comet Incorporated, Littleton, Colo. Receptacle for fire extinguishing grenades. 153,853, May 24.
Cizek, Arthur, Denver, assignor to Red Comet Incorporated, Littleton, Ohio. Combined fire extinguishing grenade and holder. 153,854, May 24.
Claspy, Hugh J., assignor to The Phoenix Glass Company, Monaca, Pa. Lighting globe. 153,855, May 24.
Claspy, Hugh J., assignor to The Phoenix Glass Company, Monaca, Pa. Lighting bowl. 153,856, May 24.
Comeau, John E., and H. C. Mitchell, Kansas City, Mo. Stand for coffee maker. 153,857, May 24.
Coro, Inc., assignee: *See*—
Katz, Adolph.
Cosner, Norman D., assignor to Meyers Aircraft Company, Tecumseh, Mich. Top for vehicle body. 153,858, May 24.
Crane, Walton B., Beverly Hills, assignor to Max Factor & Co., Hollywood, Calif. Cosmetic holder. 153,859, May 24.
Denison Engineering Company, The, assignee: *See*—
Mills, Howard V.
Dern, Joseph, Roxbury, and J. H. Harris, Brookline, Mass. Combined telephone stand and lamp. 153,860, May 24.
De Sales, John P., Kew Gardens, Long Island, N. Y. Dispenser for powdered materials. 153,861, May 24.
De Vry Corporation, assignee: *See*—
De Vry, William C.
De Vry, William C., assignor to De Vry Corporation, Chicago, Ill. Combined portable motion-picture projector machine and carrying case therefor. 153,862, May 24.
De Vry, William C., assignor to De Vry Corporation, Chicago, Ill. Combined portable motion-picture projector apparatus and carrying case therefor. 153,863, May 24.
Dunbar, MacInnis M., assignor to Lighting Products, Inc., Highland Park, Ill. Electric lighting fixture. 153,864, May 24.
Dupli-Color Products Company, assignee: *See*—
Edelstone, Sigmund E., and Jenks.
Edelstone, Sigmund E., Chicago, and A. L. Jenks, Dixon, assignors to Dupli-Color Products Company, Chicago, Ill. Spray gun. 153,865, May 24.
Ekstrand, Ernest W., assignor to Ekstrand Manufacturing Company, Orange, N. J. Self-contained refrigeration unit. 153,866, May 24.
Ekstrand Manufacturing Company, assignee: *See*—
Ekstrand, Ernest W.
Factor, Max, & Co., assignee: *See*—
Crane, Walton B.
Farrell, Ted, Berkeley, Calif. Band-saw machine. 153,867, May 24.
Fishburne, James B., Norfolk, Va. Finger ring or kindred article. 153,868, May 24.
Flint, Forest F., Detroit, Mich., assignor to L. D. Gentle. Smoker's pipe. 153,869, May 24.
Frush, Genevive E., Los Angeles, Calif. Child's foldable chair. 153,870, May 24.
Garrett, Robert W., Washington, D. C. Taxicab cruising lamp. 153,871, May 24.
Garrett, Robert W., Washington, D. C. Taxicab cruising lamp. 153,872, May 24.
General Electric Company, assignee: *See*—
Patten, Ray.
Gentle, Leo D., assignee: *See*—
Flint, Forest F.
Gotliffe, Irving L., New York, assignor to Remsen Lamp Manufacturing Co., Brooklyn, N. Y. Floor lamp base. 153,873, May 24.
Greenbaum, Bernard J., Weston, Conn. Textile fabric. 153,874, May 24.
Hager, Floyd D., Council Bluffs, Iowa. Chair. 153,875, May 24.
Harris, Joseph H.: *See*—
Dern, Joseph, and Harris.
Hays, Nelson J., Burbank, Calif. Fence panel. 153,876, May 24.

International Business Machines Corporation, assignee: *See*—
Kress, George H.
International Silver Company, The, assignee: *See*—
Kaufman, Sol P.
Jenks, Albert L.: *See*—
Edelstaou, Sigmund E., and Jenks.
Johnsen, William H., Dallas, Tex. Automobile hood ornament or similar article. 153,877, May 24.
Johnson, Arthur A., assignor to John I. Paulding, Inc., New Bedford, Mass. Electric light wall bracket. 153,878, May 24.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet or similar article. 153,879, May 24.
Kaufman, Sol P., New York, N. Y., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 153,880, May 24.
Krass, George H., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Radio receiver. 153,881, May 24.
Kromer Corporation, assignee: *See*—
Mortrude, Albert D.
Laier, Joseph K., Kansas City, Mo. Bottle carrier. 153,882, May 24.
Lapides, Sol H., Brooklyn, N. Y. Automobile lamp support bracket. 153,883, May 24.
Lawson, George S., St. Clair Shores, Mich. Bus. 153,884, May 24.
Libby Engineering Corporation, assignee: *See*—
Libby, Jules L.
Libby, Jules L., deceased; R. I. Burstein, administrator, assignor to Libby Engineering Corporation, Elgin, Ill. Light fixture. 153,885, May 24.
Lighting Products, Inc., assignee: *See*—
Dunbar, Macinnis M.
Lynch, Charles W., Perry, Okla. Combination knife and scissors sharpener. 153,886, May 24.
Macaulay, Allen T., assignor to Tamac, Inc., Perry, Okla. Cup. 153,887, May 24.
Martens, John K., Hutchinson, Kans. Nut cracker. 153,888, May 24.
Martin, Laurel J., Yucca Valley, Calif. Shoe or similar article. 153,889, May 24.
Matrick, James, Portsmouth, N. H. Shoe or similar article. 153,890, May 24.
McGraw Electric Company, assignee: *See*—
Reinecke, Jean O.
Meno, Stanley J., Toronto, Ontario, Canada. Writing instrument or the like. 153,891, May 24.
Meyers Aircraft Company, assignee: *See*—
Cosner, Norman D.
Mills, Howard V., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic press. 153,892, May 24.
Mitchell, Harry C.: *See*—
Comeau, John E., and Mitchell.
Morgan, Jack, Chicago, Ill., assignor to Automatic Washer Company, Newton, Iowa. Combined washing machine and wringer. 153,893, May 24.
Mortrude, Albert D., Detroit, Mich., assignor to Kromex Corporation, Cleveland, Ohio. Dutch oven. 153,894, May 24.
Oppenheimer, Ludwig, Los Angeles, Calif. Leather strap buckle member. 153,895, May 24.
Patten, Ray, Norwalk, Conn., assignor to General Electric Company. Locomotive body. 153,896, May 24.
Paulding, John L., Inc., assignee: *See*—
Johnson, Arthur A.
Peterson, Dana, Newton, Mass. Font of printing type. 153,897, May 24.
Phoenix Glass Company, The, assignee: *See*—
Clasby, Hugh J.
Pollak, Manfred J., Chicago, assignor to Western Newell Mfg. Co., Freeport, Ill. Curtain or drapery festoon ring. 153,898, May 24.
Poorman, Robert F., Montgomery County, Ohio. Speaker housing. 153,899, May 24.
Red Comet Incorporated, assignee: *See*—
Cisek, Arthur.
Regan, Walter P., Lowell, Mass. Ladder boot. 153,900, May 24.
Reinecke, Jean O., Oak Park, assignor to McGraw Electric Company, Elgin, Ill. Toaster. 153,901, May 24.
Reinecke, Jean O., Oak Park, assignor to McGraw Electric Company, Elgin, Ill. Toaster handle. 153,902, May 24.
Remaen Lamp Manufacturing Co., assignee: *See*—
Gotliffe, Irving L.
Resina, Manuel S., Brooklyn, N. Y. Capping machine guard. 153,903, May 24.
Rygaswics, Edwin F., Santa Monica, Calif. Combined bumper guard and fog light housing. 153,904, May 24.
Sager, Solomon M., Chicago, Ill. Ball pen, or similar article. 153,905, May 24.
Shaw, Herbert R., Shirley, England. Child's push-chair. 153,906, May 24.
Smolensky, Michael, Cleveland, Ohio. Double acting sink valve faucet unit. 153,907, May 24.
Standard Steel Works, assignee: *See*—
Branham, Theodore G.
Stolitzka, Alexander F., Summit, Ohio. Heater for food products. 153,908, May 24.
Tamac, Inc., assignee: *See*—
Macaulay, Allen T.
Wais, Will E., Chicago, Ill. Service tray and stand nestable unit. 153,909, May 24.
Weinstein, William J.: *See*—
Anbender, Harry, and Weinstein.
Western Newell Mfg. Co., assignee: *See*—
Pollak, Manfred J.
Wickes Brothers, assignee: *See*—
Carlson, Artie C.
Williamson, Val K., Phillipsburg, Ohio. Boat. 153,910, May 24.
Wyatt, De Witt H., Columbus, Ohio. Solid fuel burning room heater. 153,911, May 24.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, John H., Los Angeles, and J. W. Anger, Maywood, assignors to Utility Appliance Corp., Los Angeles, Calif. Rotor. 2,470,966, May 24.
Abell, George W., assignee: *See*—
Humrichouse, Walter E. and D. B.
Ackerman, Charles, Mechanicsburg, Ohio. Child's garment. 2,471,086, May 24.
Acretorque Company, The, assignee: *See*—
Orshansky, Elias, Jr.
Adams, Josiah W., Detroit, Mich. Beauty parlor rolling auxiliary chair. 2,471,183, May 24.
Air Reduction Company, Incorporated, assignee: *See*—
Hoover, Charles O.
Hogbey, Howard G.
Aktiebolaget Gotaverkenk, assignee: *See*—
Danielsson, Borje K., and Widing.
Alban, Clarence F., Pontiac, assignor to W. M. Chace Company, Detroit, Mich. Thermostatic laminated metal. 2,470,753, May 24.
Alber, Myron D., Alexandria, Va. Folding machine. 2,470,754, May 24.
Aldeborgh, Erik H., Poughkeepsie, and A. H. Emery, Wappingers Falls, assignors to Standard Gage Company, Inc., Poughkeepsie, N. Y. Bore gauge. 2,470,755, May 24.
Alenius, Karl O., assignee: *See*—
Lundqvist, Axel G., and Hjalmar.
Alexander, Donald K., Dolbeau, Quebec, Canada. Yeast treatment. 2,470,967, May 24.
Allen, Dwight P., Birmingham, and R. Wise, Detroit, Mich., assignors to Thermoid Company, Trenton, N. J. Jettison fuel tank. 2,471,296, May 24.
Allied Chemical & Dye Corporation, assignee: *See*—
Merriam, Henry F.
Allied Shoe Machinery Corp., assignee: *See*—
Perri, Angelo.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Halter, Allan C.
Allison, Ralph E., assignor to Patent Management, Incorporated, Minneapolis, Minn. Audiometer for air and bone conducting receivers having a scale with a single zero hearing loss reference. 2,471,136, May 24.
Almquist, Herman J., and J. G. Davis, Berkeley, assignors to F. E. Booth Company Inc., San Francisco, Calif. Amino acid extraction. 2,471,053, May 24.
Althouse, William S., Jr., Alhambra, and E. Graham, Jr., Los Angeles, assignors to Baker Oil Tools, Inc., Vernon, Calif. Well cementing device. 2,471,382, May 24.
Althouse, William S., Jr., Alhambra, and E. Graham, Jr., Los Angeles, assignors to Baker Oil Tools, Inc., Vernon, Calif. Well cementing device. 2,471,383, May 24.
American Brake Company, The, assignee: *See*—
Crossman, Theodore C.
American Can Company, assignee: *See*—
Socke, John E.
American Cyanamid Company, assignee: *See*—
Booth, Robert B., and Pickens.
Cook, Elmer W., and Moss.
Light, Donald W.
Moyer, Samuel P.
Stearns, Edwin L., Jr., and Buc.
American Potash & Chemical Corporation, assignee: *See*—
Johnson, Arthur K., and Suhr.
American Steel Foundries, assignee: *See*—
Sedgwick, Robert K.
Watts, Raymond.
American Sterilizer Company, assignee: *See*—
Jewell, Raymond L.
American Telephone and Telegraph Company, assignee: *See*—
Anderson, Gustave A.
Ames, Butler, Boston, Mass. Ventilator. 2,470,799, May 24.
Amick, Erwin H., Jr., Linden, N. J., assignor to Standard Oil Development Company. Removal of soluble catalysts from product streams. 2,471,064, May 24.
Anderson, Gustave A., Albany, N. Y., assignor to American Telephone and Telegraph Company. Toll operator control for telephone coin collectors. 2,471,087, May 24.
Andrews, Edward F., assignor to The Miller Spreader Corporation, Youngstown, Ohio. Truck hitch. 2,471,184, May 24.
Anger, John W.: *See*—
Abbott, John H., and Anger.
Anglo-Iranian Oil Company Limited, assignee: *See*—
Fawcett, Eric W. M., Narracott, and Millilen.
Antipovitch, Boris, Mexico City, Mexico. Automatic starter for electric motors. 2,471,185, May 24.
Ans, Thomas, Tampa, Fla. Shoe heel plate and skate fastening means. 2,470,840, May 24.
Arco Company, The, assignee: *See*—
Bobalek, Edward G.
Arenco Aktiebolag, assignee: *See*—
Ekstrom, Gunnar, and Dietmann.
Arnold, Michael H. M., and W. E. Perry, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of salts of amino methionic acid. 2,471,018, May 24.
Asbill, Clarence M., Jr., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga. Dispensing apparatus. 2,471,095, May 24.
Ashcroft, Ethel P., Colorado Springs, Colo. Clothespin. 2,471,186, May 24.
Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Connecting device. 2,470,800, May 24.
Aske, Leonard E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Rheostat control device. 2,470,968, May 24.
Atchison, Leonard W., Erie, Pa., assignor to General Electric Company. Two-temperature refrigerating system. 2,471,137, May 24.
Atkinson, Ralph H., Westfield, and G. F. Gladia, Bayonne, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Production of palladium articles. 2,471,297, May 24.
Atlas Imperial Diesel Engine Co., assignee: *See*—
Laxo, Ed.
Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. Cathode cup construction. 2,471,298, May 24.
Atomic Energy Commission, United States of America, as represented by the United States, assignee: *See*—
Marlowe, Elbert W., and Wilcox.
Attorney General of the United States, Vested in the: *See*—
Möhl, Torben.
Orthner, Ludwig, Balle, Schild, Schürmann, Broderseen, and Quaedvlieg.
Atwater, Karl W., Pittsburgh, Pa. Composite floating bearing journal. 2,471,187, May 24.
Auten, Robert W., Jenkintown, assignor to Rohm & Haas Company, Philadelphia, Pa. Urea resins containing aminoalkoxy substituents. 2,471,188, May 24.
"Automatic" Sprinkler Company of America, assignee: *See*—
Rider, Harry N.
Ayre, James E., Mount Royal, Quebec, Canada, assignor to Clay-Adams Company, Inc. Cervical scraper. 2,471,088, May 24.
Baak, Albert E., Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Hydraulic stoker control. 2,470,969, May 24.
Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of granular polymers of vinyl halides. 2,470,908, May 24.
Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of granular polymers of a vinyl halide. 2,470,909, May 24.
Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of granular polymers of vinyl halides. 2,470,910, May 24.
Baer, Massimo, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of granular polymerization products of vinyl halides. 2,470,911, May 24.
Baker, Merle E., Santa Cruz, Calif. Singeing tool. 2,471,019, May 24.
Baker Oil Tools, Inc., assignee: *See*—
Althose, William S., Jr., and Graham.
Balle, Gerhard: *See*—
Orthner, Ludwig, Balle, Schild, Schürmann, Broderseen, and Quaedvlieg.
Barch, William E., Bronx, assignor to Standard Brands Incorporated, New York, N. Y. Separation of hydroxy organic acids. 2,470,841, May 24.
Barrington, Robert W., Throckmorton, Tex. Trailer hitch. 2,470,842, May 24.
Bartelink, Everhard H. B., Bronxville, N. Y., assignor to General Electric Company. Radio communication system. 2,471,138, May 24.
Bartels, Frank, assignor of one-fifth to J. G. Maslonka, Sacramento, Calif. Strainer and spout attachment for cans. 2,471,189, May 24.
Bartelson, Sten E., Ashland, N. J., assignor to Radio Corporation of America. Lamp socket. 2,471,190, May 24.
Barton, Robert C.: *See*—
Woods, Harold A., Yates, Klingen, and Barton.
Battelle Memorial Institute, assignee: *See*—
Strader, James E.

Becher, Paul: *See*—
Schlesinger, Walter, and Becher.
Bee Chemical Company, assignee: *See*—
Bjorksten, Johan, and Crowley.
Beer, Palle-Finn, Lidingo, Sweden, assignor, by mesne assignments, to Electrical Fono-Filma Co. A. S., Copenhagen, Denmark. Armature structure for electromagnetic apparatus. 2,471,365, May 24.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Cousins, Van M.
Dehmel, Richard C.
Depew, Charles.
Doherty, William H.
Gaines, Wilbur L.
Mathes, Robert C.
McMahon, William.
Meacham, Larned A.
Rea, Wilton T.
Stoller, Hugh M.
Benander, Clifford N., Meriden, Conn., and G. B. Benander, Oaklawn, R. I., assignors to Monowatt Incorporated. Continuous rotor molding machine. 2,471,139, May 24.
Benander, George B.: *See*—
Benander, Clifford N. and G. B.
Bendix Aviation Corporation, assignee: *See*—
Johnson, Philip A.
Benoit, Frederic, Vassy, France. Electrical apparatus for use in obstetrics. 2,470,970, May 24.
Benton, Harold Z., Woodstock, Ill. Radio antenna mounting and connector. 2,471,020, May 24.
Beretneff, Alexis A., assignor to Carrier Corporation, Syracuse, N. Y. Control arrangement for absorption refrigeration systems. 2,470,756, May 24.
Bertalan, Edward, Glen Arm, Md., and J. A. Wagner, Cleveland Heights, Ohio, assignors to Western Electric Company, Incorporated, New York, N. Y. Cable forming machine. 2,471,299, May 24.
Best, Frank P., Chelmsford, C. D. Colchester, Danbury, and J. Twatt, Chelmsford, England, assignors to Radio Corporation of America. Navigation siding apparatus. 2,470,912, May 24.
Bierwirth, John A., and F. Klaeden, Austin, Tex. Door hook. 2,471,089, May 24.
Bird, Whitworth F., Swarthmore, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Apparatus for drafting textile fibers. 2,471,056, May 24.
Bird, Whitworth F., Swarthmore, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Method and apparatus for drafting textile fibers. 2,471,057, May 24.
Bird, Whitworth F., Swarthmore, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Control of textile fibers during drafting operations. 2,471,058, May 24.
Birginal, Sylvester J., Omaha, Nebr. Blind stitching apparatus. 2,470,914, May 24.
Bishop Company, The, assignee: *See*—
Devoe, Arthur R.
Bishop, Eugene T.: *See*—
Morris, Rupert C., Snider, and Bishop.
Bjorksten, Johan, Chicago, and T. C. Crowley, Plainfield, Ill., assignors to Bee Chemical Company. A coolant for metal machining processes. 2,470,913, May 24.
Blackburn, Clifford L., Grand Rapids, Mich. Front wheel and steering apparatus for wagons. 2,470,971, May 24.
Blank, Ronald G., Robbinsdale, Minn. Garbage can and cover keeper. 2,471,257, May 24.
Blaw-Knox Company, assignee: *See*—
Loxterman, Henry R.
Blemaide, William J., assignee: *See*—
Pasturczak, Harry S.
Block, David, Philadelphia, Pa. Bracelet clasp. 2,471,300, May 24.
Blok, Henri, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Receiver input circuit. 2,470,882, May 24.
Blums, Rene: *See*—
Delorme, Jean, and Blums.
Bobalek, Edward G., assignor to The Arco Company, Cleveland, Ohio. Interpolymer produced from polybydric alcohol, polybasic acid, and interpolymer of monovinylaromatic compound, olefinic acid, and drying oil or oil fatty acid. 2,470,752, May 24.
Bobalek, Edward G., assignor to The Arco Company, Cleveland, Ohio. Interpolymer of monovinylaromatic compound, monocarboxylic olefinic acid, and drying oil or acid. 2,470,757, May 24.
Boger, Sam, Dodge City, Kans. Crankcase oil heater. 2,470,972, May 24.
Bolsson, Pierre, Pont-a-Mousson, assignor to Compagnie De Pont-a-Mousson, Nancy, France. Pipe connection and packing ring therefor. 2,470,883, May 24.
Bolidens Gruvaktiebolag, assignee: *See*—
Gustafsson, G. V. A., and Malmqvist.
Bolta Company, The, assignee: *See*—
Bolten, John, Jr.
Bolten, John, Jr., Andover, assignor to The Bolta Company, Lawrence, Mass. Mold for sliding clasp fasteners. 2,471,258, May 24.
Boltman, Ralph B., Pittsburgh, Pa. Tractor tread. 2,470,801, May 24.
Bondurant, John E.: *See*—
De Rolsblanc, Deslande R., and Bondurant.
Boosey, Edward W. N., Detroit, Mich. Caulking plug. 2,471,301, May 24.
Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Collapsible support for ironing boards. 2,471,050, May 24.
Booth, F. E., Company Inc., assignee: *See*—
Almquist, Herman J., and Davis.
Booth, Robert B., Springdale, and R. A. Pickens, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Froth flotation of sulfide ores. 2,471,384, May 24.
Boothroyd, Wilson F., and W. H. Forster, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Stop-on carrier tuner. 2,470,843, May 24.
Borden Company, The, assignee: *See*—
Lemmel, Paul T.
Bosh, James E., Berwyn, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Dual purpose sleeve-spring spring jack. 2,470,915, May 24.
Boshaw, Ruby R., Detroit, Mich. Combination tool. 2,471,191, May 24.
Boulton, Robert E., Rifle, Colo. Shifting shovel loader. 2,471,192, May 24.
Bovee, Ranson Y., Van Nuys, assignor of one-fifth to E. E. Moore, Los Angeles, Calif. Necktie and collar combination. 2,470,973, May 24.
Boward, Nellie M., Richmond, Va. Collapsible bathtub. 2,471,302, May 24.
Boydstun, Willard E., Baker, Oreg. Post driver. 2,470,974, May 24.
Boynton, Earl S.: *See*—
O'Brien, Joseph F., and Boynton.
Braden, Rene A., Princeton, N. J., assignor to Radio Corporation of America. Microwave device. 2,470,802, May 24.
Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Radio wave gnide. 2,471,021, May 24.
Breth, Walter J., assignor to The General Tire and Rubber Company, Akron, Ohio. Feed table for tire building machines. 2,471,140, May 24.
Brewer-Titchener Corporation, The, assignee: *See*—
Card, Charles S.
Brewster, Oliver H., Essex Fells, assignor to Electrical Industries, Inc., Newark, N. J. Bottle-sterilizing arrangement. 2,471,303, May 24.
Bristow, Paul W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,470,803, May 24.
Brodersen, Karl: *See*—
Orthner, Ludwig, Balle, Schild, Schürmann, Brodersen, and Quaedvileg.
Bromfield, St. Clair, Jackson Heights, Long Island, N. Y. Distribution board. 2,470,884, May 24.
Brower, James E., Pleasantville, N. J. Beam compass. 2,471,193, May 24.
Brown, Robert L., assignee: *See*—
Waara, David H.
Brownscombe, Philip J., Chatham, assignor to Griscombe Corporation, Newark, N. J. Combined photographic copying stand and apparatus. 2,470,844, May 24.
Brydon, Thomas W.: *See*—
Parker, Irvine E., and Brydon.
Buc, George L.: *See*—
Stearns, Edwin I., Jr., and Buc.
Budd, Company, The, assignee: *See*—
Farr, Warren H.
Bunn, B. H., Company, assignee: *See*—
Bunn, Benjamin H.
Bunn, Benjamin H., assignor to B. H. Bunn Company, Chicago, Ill. Tying machine for elongated packages. 2,471,304, May 24.
Bunn, Edward S., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Zinc base alloys. 2,471,385, May 24.
Burrows, Robert J., and A. O. Williams, Battle Creek, assignors to Clark Equipment Company, Buchanan, Mich. Resilient wheel. 2,470,885, May 24.
Bursett, Clem, Seattle, Wash. Distribution of manifest sheets. 2,470,758, May 24.
Bussey, William H., Chicago, assignor to R. L. Kahn, Glencoe, Ill., as trustee. Electrical apparatus. 2,470,975, May 24.
Butler, Matthew B., assignee: *See*—
Lankovski, Anatoly, and Graves.
Buzzell, Francis A., Chicago, Ill. Insulating bushing. 2,470,886, May 24.
Caldwell, John A., Philadelphia County, W. H. Wannamaker, Jr., Flourtown, and G. W. Kuntuy, Mount Airy, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electrical control instrument. 2,471,393, May 24.
Callaway Mills Company, assignee: *See*—
Ashill, Clarence M., Jr.
Campaigne, Ernest E., and W. M. Le Suer, Bloomington, assignors to Indiana University Foundation, Monroe County, Ind. 3-thenyl bromide salts. 2,471,090, May 24.
Campaigne, Ernest E., and W. M. Le Suer, Bloomington, assignors to Indiana University Foundation, Monroe County, Ind. 3-thenyl bromide. 2,471,091, May 24.

Campaigne, Ernest E., and W. M. Le Suer, Bloomington, assignors to Indiana University Foundation, Monroe County, Ind. Preparation of 3-thenaldehyde. 2,471,092, May 24.
Campaigne, Ernest E., and W. M. Le Suer, Bloomington, assignors to Indiana University Foundation, Monroe County, Ind. 3,3'-thenoin. 2,471,093, May 24.
Campbell, Charles H., Kent, Ohio. Refining reclaimed rubber with cooling of the rubber to facilitate separation of tailings. 2,471,392, May 24.
Capps, Alonzo V., Alamogordo, N. Mex. Wrench. 2,471,194, May 24.
Card, Charles S., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Clamp. 2,471,305, May 24.
Card, Charles S., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Clamp. 2,471,306, May 24.
Carlyle Sales Corporation, assignee: *See*—
Wallwork, Alfred.
Carnegie-Illinois Steel Corporation, assignee: *See*—
Jenkins, Wesley B.
Carpenter Steel Company, The, assignee: *See*—
Post, Carl B.
Post, Carl B., and Eberly.
Carr-Lowrey Glass Co., assignee: *See*—
Garwood, Charles B.
Carrier Corporation, assignee: *See*—
Beretneff, Alexis A.
Carruthers, E. H., Co., assignee: *See*—
Carruthers, Eben H.
Carruthers, Eben H., Ithaca, N. Y., assignor to E. H. Carruthers Co., Warrenton, Oreg. Apparatus for selectively packing products of variable weight. 2,470,916, May 24.
Carruthers, Eben H., assignor to E. H. Carruthers Co., Warrenton, Oreg. Apparatus for packing products of variable weight. 2,470,976, May 24.
Carter, Robert E., Mount Holly Springs, assignor to C. H. Masland & Sons, Carlisle, Pa. Pocket and making. 2,471,386, May 24.
Carter, William, Company, The, assignee: *See*—
Redmond, Harriet L.
Carvalho, Leslie R. N., assignor, by mesne assignments, to Crown Cork Specialty Corporation, Decatur, Ill. Method and apparatus for forming threaded caps. 2,471,307, May 24.
Casnati, Lola A., New York, N. Y. Sanitary holder for small articles. 2,471,308, May 24.
Cassano, Erminio, Framingham, Mass. Blank for shoe uppers. 2,471,366, May 24.
Castelli, Charles, Union City, assignor to Colombia Protektosite Co., Inc., Carlstadt, N. J. Clothespin. 2,471,141, May 24.
Castillow, Peyton, assignee: *See*—
Hendricks, Will S.
Canci, Joseph, and D. Krakauer, assignors to Kay Manufacturing Corporation, Brooklyn, N. Y. Machine for assembling springs. 2,470,812, May 24.
Cavaness, James D., Arlington, Tex. Lawn mower. 2,471,367, May 24.
Celanese Corporation of America, assignee: *See*—
Paffen, Fred W., and Cornelius.
Ceresa, Myron: *See*—
Jernstedt, George W., and Ceresa.
Chace, W. M., Company, assignee: *See*—
Alban, Clarence F.
Chaffee, Floyd O., South Gate, Calif. Injection device. 2,471,142, May 24.
Chandeysson, Pierre J., St. Louis, Mo. Dynamoelectric machine. 2,470,845, May 24.
Chandler, Harry L., Portland, Oreg. Sickbed waste receptacle holder. 2,471,309, May 24.
Chapman, Harold P., Columbus, assignor of one-half to E. F. Mangold, London, Ohio. Electrically actuated heater. 2,471,259, May 24.
Chapman, Harold P., Columbus, assignor of one-half to E. F. Mangold, London, Ohio. Electrical fluid heater. 2,471,260, May 24.
Charles, George K., Wincanton, England. Tape severing device. 2,471,310, May 24.
Chenicek, Joseph A., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treating cracked gasoline to remove metals. 2,470,887, May 24.
Cheshire, Arthur, Cottingham, assignor to Richard Hodgson and Sons Limited, Beverley, England. Preserving vegetable tanned leather. 2,471,022, May 24.
Chicago Metal Hose Corporation, assignee: *See*—
Keller, Sidney, and Fentress.
Chidsey, Charles A., Jr., Detroit, Mich. Bag stand. 2,470,977, May 24.
Chiego, Bernard, Newark, N. J. Preparing gum-containing seeds for dehusking. 2,470,750, May 24.
Chiego, Bernard, Newark, N. J. Preparing gum-containing seeds for dehusking. 2,470,751, May 24.
Chisholm-Ryder Company, Incorporated, assignee: *See*—
Hesson, Charles M.
Christen, Victor H., Sierra Madre, Calif. Storage battery filling device support. 2,471,004, May 24.
Christensen, Aage, Chula Vista, Calif. Building wall of plastic filled sectional blocks. 2,470,917, May 24.
Christopher, Claude J., Los Angeles, Calif. Variable capacity hydraulic pump. 2,471,195, May 24.
Chromogen Incorporated, assignee: *See*—
Gasper, Bela.
Chrysler Corporation, assignee: *See*—
Wreth, Nathaniel.
Chung, Ling, New York, N. Y. Impregnating and decorating cementitious materials. 2,470,918, May 24.
Cierl, Dominick J., Hartford, Conn. Adjustable pattern for collars and lapels. 2,471,196, May 24.
Cincinnati Milling Machine Co., The, assignee: *See*—
Dall, Albert H., and Horlacher.
Cities Service Oil Company, assignee: *See*—
Morgan, John D., and Lowe.
Clark Bros. Co., Inc., assignee: *See*—
Trumpler, William E.
Clark Equipment Company, assignee: *See*—
Burrows, Robert J., and Williams.
Clark, Henry B., Elisabeth, N. J. Bracket for mounting rollers on overhead doors. 2,471,197, May 24.
Clark, Thomas S. H., Bensselaer, assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Enrichment composition. 2,470,804, May 24.
Clay-Adams Company, Inc., assignee: *See*—
Ayre, James E.
Clayton, Andrew B., Silver Bay, assignor to The Singer Manufacturing Company, Elisabeth, N. J. Feeding mechanism for sewing machines. 2,470,750, May 24.
Cleveland, Crane & Engineering Company, The, assignee: *See*—
Wehr, William G.
Climax Molybdenum Company, assignee: *See*—
Lins, Arthur.
Clnett, Peabody and Co., Inc., assignee: *See*—
Pfeffer, Edward C., Jr.
Colt, Burton C., Jr., assignor to Tri-State Engineering Company, Washington, Pa. Combined pallet and crate structure. 2,471,095, May 24.
Colchester, Christopher D.: *See*—
Best, Frank P., Colchester, and Twatt.
Cole, Nelson E., assignor to Parish Pressed Steel Co., Reading, Pa. Frame structure for truck or trailer bodies or the like. 2,470,919, May 24.
Collard, John, Hammersmith, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Preventing or reducing the escape of high-frequency energy. 2,470,805, May 24.
Collins & Aikman Corporation, assignee: *See*—
Bird, Whitworth F.
Colorigh, Vincent L., Tulsa, Okla. Disappearing bolster for vehicles. 2,471,096, May 24.
Colson, Thomas, San Francisco, Calif. Electron counter. 2,470,920, May 24.
Columbia Protektosite Co., Inc., assignee: *See*—
Castelli, Charles.
Colvin, Nolan D., assignor to Deere & Company, Moline, Ill. Mower. 2,471,311, May 24.
Commercial Solvents Corporation, assignee: *See*—
Lingo, Shirley P.
Compagnie De Pont-a-Mousson, assignee: *See*—
Bolsson, Pierre.
Compagnie Generale d'Electricite, assignee: *See*—
Gardere, Henri.
Cone Automatic Machine Company Inc., assignee: *See*—
Miller, Carroll E., and Ingalls.
Continental Can Company, Inc., assignee: *See*—
Weisenburg, Andrew.
Conveyor & Machinery Manufactures, Inc., assignee: *See*—
Hope, Eric S.
Cook, Elmer W., New York, N. Y., and P. H. Moss, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Mildew-proofing. 2,471,201, May 24.
Cook, James G., J. T. Dickson, and A. R. Lowe, Blackley, Manchester, and J. R. Whinfield, Accrington, England, assignors to Imperial Chemical Industries Limited. Highly polymeric linear esters. 2,471,023, May 24.
Cooper, James H., assignor to H. Weatherford, Jr., Memphis, Tenn. Engine protective device. 2,471,887, May 24.
Cooper, Robert E., Fort Monroe, Va., assignor to Flexible Sewer Rod Equipment Co., Los Angeles, Calif. Flexible sewer rod coupling feeler. 2,471,060, May 24.
Corbliss, George A., Long Island City, N. Y. Electric ironing cord guide. 2,471,312, May 24.
Cormany, David B., Long Beach, Calif. Tubing rotator. 2,471,198, May 24.
Cornelius, Harry L.: *See*—
Paffen, Fred W., and Cornelius.
Cousins, Van M., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplying voltages. 2,471,202, May 24.
Coventry Climax Engines Limited, assignee: *See*—
Halhaway, Lawrence.
Coyne, Vincent C., and J. W. Stuart, New Brunswick, N. J. Parachute release for kites. 2,471,199, May 24.
Cramer, Roy A., Kansas City, Mo. Chair with tilting back and sntomatically shiftable seat. 2,471,024, May 24.
Crane Co., assignee: *See*—
Fredrickson, Edward A.
Kanter, Jerome J.
Cress, Jay J., Schenectady, N. Y., assignor to General Electric Company. Piezoelectric apparatus. 2,471,143, May 24.
Cron, Charles L.: *See*—
Rector, Laurence L., and Cron.

Crossman, Theodore C., Wilkinsburg, assignor to The American Brake Company, Swissvale, Pa. Brake rigging. 2,471,818, May 24.

Crouse-Hinds Company, assignee: *See*—
Parish, Willard E.

Crowley, John A., Jr.: *See*—
Simpson, Thomas P., Payne, and Crowley, Jr.

Crowley, Thomas C.: *See*—
Bjorksten, Johan, and Crowley.

Crown Cork Specialty Corporation, assignee: *See*—
Caralho, Leslie R. N.

Cullen, Charles C., assignee: *See*—
Kennedy, Arthur.

Curry, Paul, New Haven, Conn. Electrical communication system. 2,470,760, May 24.

Curtis, Grover C., Bryan, Tex. Gathering head for cotton harvesting machines. 2,471,814, May 24.

Dall, Albert H., and H. Horlacher, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Pattern controlled machine tool. 2,471,097, May 24.

Danielsson, Borje K., Abrahamsberg, and L. A. Widing, assignors to Aktiebolaget Gotaverken, Goteborg, Sweden. Oil burner. 2,471,025, May 24.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,471,061, May 24.

Davies, Lynn E., Park Ridge, assignor to White Cap Company, Chicago, Ill. Rotary marking means for containers. 2,471,098, May 24.

Davis, Carl P., Jr., Knoxville, Tenn. Distance indicator. 2,470,807, May 24.

Davis, Eugene W., Meredosia, Ill. Fish scoring machine. 2,471,062, May 24.

Davis, John G.: *See*—
Almquist, Herman J., and Davis.

Davy, Edward D., Delmar, assignor to Sterling Drug Inc., New York, N. Y. Salt substitute. 2,471,144, May 24.

Deane, William, Ridgewood, N. J., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Composite switching device. 2,471,200, May 24.

Deardorff, Neva R., New York, N. Y. Body-supported infant's chamber pot. 2,471,201, May 24.

De Boisblanc, Deslonde R., and J. E. Bondurant, Bartlesville, Okla., assignors to Phillips Petroleum Company. Seismograph blaster time breaker circuit. 2,470,846, May 24.

Deere & Company, assignee: *See*—
Colvin, Nolan D.

Degner, Charles F., assignor of one-half to H. M. Unschuld, Chicago, Ill. Deep well pump. 2,470,885, May 24.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,470,808, May 24.

Dehmel, Richard C., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Aircraft trainer for aerial gunners. 2,471,315, May 24.

Del Cueto, Raul, Papantla, Mexico. Device for heating, cooling, or radiating liquids. 2,470,806, May 24.

Delorme, Jean, Bron, and R. Bluma, Asnieres, assignors to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Solvents and plasticizers for vinyl resins. 2,470,761, May 24.

Delphos Bending Company, The, assignee: *See*—
Deitler, Leslie C.

Demorest, Dana J.: *See*—
Nye, Ralph D., and Demorest.

Depew, Charles, Oakland, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ionic discharge device. 2,471,263, May 24.

Desaulniers, Hubert, Montreal, Quebec, Canada. Chance controlled hemispherical game piece. 2,471,202, May 24.

Dethlefs, Walter M., Santa Monica, and F. Minder, Los Angeles, Calif. Microprotractor. 2,471,099, May 24.

Detroit Engineering Laboratories, Inc., assignee: *See*—
Du Brie, Stanley R.

Devoe, Arthur R., assignor to The Bishop Company, North Attleboro, Mass. Nonmetal nose guard. 2,471,063, May 24.

Dickenson, Leo E., Washington, D. C. Folding machine. 2,470,762, May 24.

Dickson, James T.: *See*—
Cook, James G., Dickson, Lowe, and Whinfield.

Diedrich, Clayton H.: *See*—
White, Glen L., and Diedrich.

Diehl, Russell C., Baltimore, Md. Laminated wooden bowling pin. 2,471,316, May 24.

Dietmann, Paul W.: *See*—
Ekstrom, Gunnar, and Dietmann.

Distillation Products, Inc., assignee: *See*—
Hickman, Kenneth C. D.

Ditto, Incorporated, assignee: *See*—
Erickson, Andrew L.

Dodge, Ralph E., Clermont, Fla. Dispensing apparatus. 2,471,100, May 24.

Dodge, Ralph E., Takoma Park, Md. Batter dispenser. 2,471,399, May 24.

Doherty, William H., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio object location system. 2,471,264, May 24.

Dow, Alden B., Midland, Mich. Plastic window. 2,470,921, May 24.

Dow Chemical Company, The, assignee: *See*—
Dreisbach, Robert R., and Fletcher.
Hooker, George W., and Peterson.

Doyle, Dorris M., Springfield, Pa. Flux coated aluminum rod for gas welding. 2,470,763, May 24.

Dreisbach, Robert R., and F. W. Fletcher, assignors to The Dow Chemical Company, Midland, Mich. Parasiticidal compositions comprising alkyl-halo-naphthalenes. 2,471,265, May 24.

Drescher, Arthur B., assignor to Lone Star Steel Company, Daingerfield, Tex. Method and apparatus for separating magnetic from nonmagnetic materials. 2,470,886, May 24.

Du Brie, Stanley R., assignor to Detroit Engineering Laboratories, Inc., Detroit, Mich. Trailer caster. 2,470,978, May 24.

Dunbar, Thomas L., Watertown, N. Y. Treating waste sulfite liquor. 2,470,764, May 24.

Duncan, George R., Washington, Mo. Milking domestic farm animals and for temporarily storing milk and cooling it. 2,470,879, May 24.

Dunn, John R., South Groveland, Mass., assignor to Western Electric Company, Incorporated, New York, N. Y. Work distributing conveyer system. 2,470,922, May 24.

Dunston, James M., Jeffersonville, Ind. Bread cooling and proofing rack. 2,470,765, May 24.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Pavlic, Albert A.

Durning, James P., deceased, late of St. Albans, N. Y., by J. L. Durning, executrix, St. Albans, N. Y., assignor to International Cigar Machinery Company. Cigar machine. 2,470,766, May 24.

Durning, Jean L., executrix: *See*—
Durning, James P.

East Shore Machine Products Company, assignee: *See*—
Giza, Adolph.

Eberly, Warren S.: *See*—
Post, Carl B., and Eberly.

Eby, Ivan D., New York, N. Y. Device for determining the depth of liquids. 2,471,026, May 24.

Eddy, Arnold, Middletown, Conn., assignor to Trubenizing Process Corporation, New York, N. Y. Article of apparel and making same. 2,471,203, May 24.

Eisler, Charles, South Orange, N. J. Tube end forming machine. 2,470,923, May 24.

Eitel-McCullough, Inc., assignee: *See*—
Norton, Robert L.

Ekström, Gunnar, Stockholm, and P. W. Dietmann, Jonkoping, assignors to Arenco Aktiebolag, Stockholm, Sweden. Gunfire control training apparatus. 2,471,368, May 24.

Elants, Adriaan T., Brussels, Belgium. Obviating cylinder wear in engines and the like. 2,470,809, May 24.

Electric & Musical Industries Limited, assignee: *See*—
Collard, John.

Electrical Fono-Films Co. A. S., assignee: *See*—
Beer, Palle-Finn.

Electrical Industries, Inc., assignee: *See*—
Brewster, Oliver H.

Electrol Incorporated, assignee: *See*—
Ashton, Benjamin N.

Elliott, Richard M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Computing sight. 2,471,204, May 24.

Ellis, Charles E., Mahwah, N. J. Polyphase alternating current dynamo. 2,470,767, May 24.

Ellis-Foster Company, assignee: *See*—
Robertson, John W., and Rust.
Rust, John B.

Emery, Alfred H.: *See*—
Aldeborgh, Erik H., and Emery.

Empire Furniture Manufacturing Company, assignee: *See*—
Shoenberg, Abraham J.

Emsco Derrick & Equipment Company, assignee: *See*—
Tremolada, Guglielmo E.

Engard, Albert L.: *See*—
Engard, John E. and A. L.

Engard, John E. and A. L., Haselton, Pa. Belt-applying tool. 2,470,810, May 24.

Engleman, Elmer F., Burbank, Calif. Towel clip. 2,470,811, May 24.

Epstein, Benjamin, assignee: *See*—
Schenck, Edward L.

Epstein, Leonard S., assignee: *See*—
Schenck, Edward L.

Epstein, Stanley W., assignee: *See*—
Schenck, Edward L.

Erickson, Andrew L., Cincinnati, Ohio, assignor to Ditto, Incorporated, Chicago, Ill. Unit strip assembly. 2,471,145, May 24.

Evans, Ambrose H., Hutchinson, Kans. Gun sight. 2,471,027, May 24.

Fagan, Thomas F., Columbia, Conn. Dental flask. 2,471,205, May 24.

Fairmont Railway Motors, Incorporated, assignee: *See*—
Meskimen, Leslie C.

Farr, Warren H., Grosse Pointe Farms, Mich., assignor to The Budd Company, Philadelphia, Pa. Plowshare. 2,471,366, May 24.

Fausek, Arthur J. and I. F., Clayton, Mo. Heat exchanger. 2,471,317, May 24.

Fausek, Irwing F.: *See*—
Fausek, Arthur J. and I. F.

Fawcett, Eric W. M., E. S. Narracott, and K. J. Rowland, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Vinyl polymers plasticised with air-blown extracts of mineral oil fractions. 2,471,266, May 24.

Fawcett, Eric W. M., E. S. Narracott, and A. Millien, Sunbury-on-Thames, assignors to Anglo-Iranian Oil Company Limited, London, England. Vinyl polymers plasticised with sulfur treated extracts of mineral oil fractions. 2,471,267, May 24.

Federal Power Commission, United States of America as represented by the Chairman of the, assignee: *See*—
Thomas, Percy H.

Feinberg, Charles E., Detroit, Mich. Secondary combustion air distribution control for bridge wall furnaces. 2,471,101, May 24.

Felburg, Robert A., Newark, N. J. Rheostat with centrifugal operator. 2,470,768, May 24.

Fentress, David W.: *See*—
Keller, Sidney, and Fentress.

Fiene, Clara E., administratrix: *See*—
Fiene, Marcus E.

Fiene, Marcus E., deceased, Scotia, N. Y., by C. E. Fiene, administratrix, Erie, Pa., assignor to General Electric Company. Thermomotive modulating heat transfer system. 2,471,146, May 24.

Filtrol Corporation, assignee: *See*—
Secor, Robert B.

Fish, John J., assignor to Sun Chemical Corporation, New York, N. Y. Treatment of microcrystalline residues and products resulting therefrom. 2,471,102, May 24.

Fishman, Isidore F., assignee: *See*—
Massaro, Peter J.

Fitzsimmons, John T., and W. D. Schrope, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Ignition timer. 2,471,318, May 24.

Fletcher, Fred W.: *See*—
Dreisbach, Robert R., and Fletcher.

Fletcher, John F., Cleveland, Miss. Siren. 2,471,028, May 24.

Flexible Sewer Rod Equipment Co., assignee: *See*—
Cooper, Robert E.

Floraus, Howard A., Wallingford, assignor to South Chester Corporation, Chester, Pa. Fastening device. 2,470,924, May 24.

Florman, Irving, New York, N. Y. Flint holder. 2,471,206, May 24.

Foote, Daniel J.: *See*—
Soref, Harry E., and Foote.

Forkner, Ewell W., Cincinnati, Ohio. Portable welder. 2,471,029, May 24.

Forster, William H.: *See*—
Boothroyd, Wilson P., and Forster.

Foulke, Ted E., Lyndhurst, Ohio. Table attachment for beverage containers. 2,471,030, May 24.

Franklin Transformer Manufacturing Company, assignee: *See*—
Savidge, Clinton W.

Franks, David, and M. Shapiro, Washington, D. C. Watch movement holder. 2,471,103, May 24.

Fredrickson, Edward A., assignor to Crane Co., Chicago, Ill. Piston seal for flush valves. 2,470,925, May 24.

Freeman, Grover C., Fort Leavenworth, Kans. Blade sharpener. 2,471,207, May 24.

Gagnon, James, Olalla, Wash. Folding berry box. 2,471,147, May 24.

Gaines, Wilbur L., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Index pulse generating circuit. 2,471,268, May 24.

Gale, Marvin E., and F. W. Warner, Pittsfield, Mass., assignors to General Electric Company. Sprue cutter for transfer molding devices. 2,471,148, May 24.

Gardère, Henri, assignor to Compagnie General d'Electricite, Paris, France. Alternating-current signal transmitting system. 2,471,319, May 24.

Garwood, Charles B., Linthicum Heights, assignor to Carr-Lowrey Glass Co., Baltimore, Md. Making parisons. 2,471,369, May 24.

Gaspar, Bela, Hollywood, Calif., assignor to Chromogen Incorporated. Color photographic material and processes for producing same. 2,470,769, May 24.

Gaulke, Erich, New Bedford, Mass. Rigger's vise for splicing wire and like material. 2,471,289, May 24.

Gay, John E., Newborn, Ga. Portable drill brace. 2,471,208, May 24.

Gesdik, Laszlo, McKeesport, Pa. Protector for pipes. 2,471,209, May 24.

Gegauf, Fritz, assignor to Fritz Gegauf's Sohne Aktiengesellschaft, Steckborn, Switzerland. Mending of stockings in sewing machines. 2,471,370, May 24.

Gegauf's, Fritz Sohne Aktiengesellschaft, assignee: *See*—
Gegauf, Fritz.

General Baking Company, assignee: *See*—
Maull, Harry W., and Sauter.

General Controls Co., assignee: *See*—
Ray, William A.

General Electric Company, assignee: *See*—
Atchison, Leonard W.
Bartelink, Everhard H. B.
Crese, Jay J.
Fiene, Marcus E.
Gale, Marvin E., and Warner.
Goodale, Charles J., and Marvin.
Goss, Wesley R.
Keim, Donald B.
Langmuir, Robert V., and Peters, Jr.
Linville, Thomas M.
Matson, William N., and Jacobs.
Reich, William A.
Stimson, Allen G.
Von Hoorn, Fred G.
Welsh, Robert.
Wightman, Lawrance W.
Worth, Thomas F.

General Electric X-Ray Corporation, assignee: *See*—
Atlee, Zed J.

General Mills, Inc., assignee: *See*—
Wittcoff, Harold.

General Motors Corporation, assignee: *See*—
Fitzsimmons, John T., Schrope.

General Tire and Rubber Company, The, assignee: *See*—
Breth, Walter J.

Geometric Tool Company, The, assignee: *See*—
Strickland, Royce M.

Giesecke, Werner A., Danville, Ill. Electronic counter. 2,470,926, May 24.

Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 2,471,320, May 24.

Giza, Adolph, assignor to East Shore Machine Products Company, Cleveland, Ohio. Rotary gear pump. 2,471,149, May 24.

Glittens, Sidney R., Philadelphia, Pa. Display card and package. 2,471,321, May 24.

Gladis, George P.: *See*—
Atkinson, Ralph H. and Gladis.

Gleasman, Vernon E., Elmira, N. Y. Hydraulic transmission. 2,471,031, May 24.

Glover, Leonard E., assignor to himself and Pitter Gauge & Precision Tool Co. Limited, Leatherhead, England. Micrometer gauge and the like. 2,471,322, May 24.

Glucklin, Edwin W., Brooklyn, N. Y. Brassiere and similar garment. 2,470,847, May 24.

Gohr, Edwin J., Summit, N. J., assignor to Standard Oil Development Company. Production of unsaturated hydrocarbons and hydrogen. 2,471,104, May 24.

Goldstein, Adolph O., Santa Cruz, Calif. Slicer for citrus fruit and the like. 2,470,813, May 24.

Goodale, Charles J., and H. B. Marvin, Schenectady, N. Y., assignors to General Electric Company. Accounting machine. 2,471,150, May 24.

Goodpasture, Charles H., Chicago, Ill. Holder for dispensing containers. 2,470,890, May 24.

Goodrich, B. F., Company, The, assignee: *See*—
Haas, Eugene G.
Loughborough, Dwight L.

Goss, Wesley R., Fort Wayne, Ind., assignor to General Electric Company. Adjustable speed dynamoelectric machine. 2,471,151, May 24.

Graham, Eugene, Jr.: *See*—
Althouse, William S., Jr., and Graham, Jr.

Graver, Philip S., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Gas reservoir. 2,471,270, May 24.

Graver Tank & Mfg. Co., Inc., assignee: *See*—
Graver, Philip S.

Graves, Michael: *See*—
Lahovski, Anatoly, and Graves.

Gray, Oscar, and H. Lewis, Bloomington, Ind. Flashlight switch. 2,471,032, May 24.

Greeley, Philip H., Washington, D. C. Radio-frequency testing device. 2,471,033, May 24.

Green, Martin, Newark, N. J. Educational device. 2,471,271, May 24.

Griffin, Clyde C., Branford, Fla. Stock carrier. 2,471,152, May 24.

Griffin, Hartwell, Paxton, Mass. Bath brush. 2,471,210, May 24.

Griscombe Corporation, assignee: *See*—
Brownscombe, Philip J.

Gubner, Richard, Brooklyn, N. Y. Salicylate and succinate therapeutic preparations. 2,471,394, May 24.

Guest, George C., Winnipeg, Manitoba, Canada. Boat carrier for automobiles. 2,470,648, May 24.

Gulf Research & Development Company, assignee: *See*—
Hanson, William E.
Spindt, Roderick S., and Stevens.

Gustafsson, Gotthard V. A., Akeshov, and J. D. Malmqvist, Boliden, assignors to Bolidens Gruvaktiebolag, Stockholm, Sweden. Alternating current compensator circuit for measuring. 2,471,105, May 24.

Gutsche, Carl D.: *See*—
Johnson, William S., Peterson, and Gutsche.

Haas, Eugene G., Copley Township, Summit County, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reducing the adhesion of ice to rubbery surfaces. 2,470,772, May 24.

Hadden, Stuart T., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation catalyzed by liquid hydrogen fluoride. 2,471,211, May 24.

Hain, Max, Pittsburgh, Pa. Electrical cable support or rack. 2,470,814, May 24.
Haley, Frank, Newburgh, N. Y. Combination button. 2,470,980, May 24.
Hale, William C., Jr., assignor to South Chester Corporation, Chester, Pa. Fastening means. 2,470,927, May 24.
Hall, Clarence E., Portland, Oreg. Valve clearance gauge. 2,471,106, May 24.
Hall, Ralph E.: *See*—
Wilcox, Marion J., and Hall.
Hall, Ralph E., East Chicago, Ind., and M. J. Wilcox, Harvey, Ill., assignors to Sinclair Refining Company, New York, N. Y. Fluidised catalytic conversion of hydrocarbons. 2,471,034, May 24.
Hall, Ralph E., East Chicago, Ind., and M. J. Wilcox, Harvey, Ill., assignors to Sinclair Refining Company, New York, N. Y. Stripping of spent catalyst in hydrocarbon conversion. 2,471,064, May 24.
Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Wrapper carrier operating mechanism. 2,471,389, May 24.
Halter, Allan C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Speed responsive means. 2,470,928, May 24.
Hammers, Incorporated, assignee: *See*—
Hammers, William P.
Hammers, William P., assignor to Hammers, Incorporated, Detroit, Mich. Speed nut tool. 2,470,891, May 24.
Hanson, Estyle D., Baltimore, Md. Rotary turbine type fluid coupling. 2,471,212, May 24.
Hanson, William E., Gibsonia, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Recovery of by-product acids. 2,470,849, May 24.
Hardick, Frederik A., Enschede, Netherlands. Shuttle for narrow ware looms. 2,470,981, May 24.
Harrington, William J., assignor to Lukens Steel Company, Coatesville, Pa. Hoisting and lifting device. 2,471,323, May 24.
Harris, Frederic R., New York, N. Y. Water level indicator for floating dry docks. 2,470,850, May 24.
Harris, Frederic R., New York, N. Y. Floating dry dock. 2,471,065, May 24.
Hartford-Empire Company, assignee: *See*—
Lorens, Edward H.
Hartford National Bank and Trust Company, trustee, assignee: *See*—
Blok, Henri.
Hepp, Gerard.
Posthumus, Klaas.
Harvey, Henry S., Palm Beach, Fla., assignor to Independent Lock Company, Fitchburg, Mass. Communicating door lock. 2,470,770, May 24.
Harvey, Henry S., Palm Beach, Fla., assignor to Independent Lock Company, Fitchburg, Mass. Latch. 2,470,771, May 24.
Harvey, Roosevelt W. W., Somerville, Mass. Athletic apparatus. 2,470,815, May 24.
Harvey, Roosevelt W. W., Somerville, Mass. Exercising device. 2,470,816, May 24.
Haskins, Robert, Jr., Rutherfordton, N. C., assignor to The Sperry Corporation. Asymmetric scoraby and operation. 2,470,773, May 24.
Hassell, James R., South Dos Palos, Calif. Automatic water temperature control. 2,471,371, May 24.
Haswell, Walter T., Jr., United States Navy. Indicating device. 2,470,774, May 24.
Hathaway, Lawrence, Oswestry, assignor to Coventry Climax Engines Limited, Coventry, England. Water-cooling system for internal-combustion engines and the like. 2,470,982, May 24.
Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Recovery of hydrocarbon oil. 2,471,107, May 24.
Hendricks, Homer D., Seattle, Wash. Flexible golf tee. 2,470,817, May 24.
Hendricks, Will S., assignor of one-half to P. Castillow, Wichita Falls, Tex. Support and guide for drill stems. 2,470,983, May 24.
Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for advancing nonmetallic plastic material. 2,471,324, May 24.
Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Stabilised frequency modulator. 2,470,892, May 24.
Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for modulating an electric signal. 2,470,893, May 24.
Hermanson, William A., Brookline, Mass. Soap powder packet. 2,470,851, May 24.
Hesson, Charles M., Hanover, Pa., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Labeler. 2,471,066, May 24.
Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum dehydration. 2,471,325, May 24.
Higgins, Eric E., Tewin Wood, England, assignor to Tewin Industries, Inc., New York, N. Y. Treatment of aqueous liquids. 2,471,213, May 24.
Hill, Boyd N., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treatment of sulfur containing hydrocarbons. 2,471,106, May 24.
Hirsh, Philip E., Montclair, assignor to Lock Joint Pipe Company, East Orange, N. J. Pipe joint. 2,470,818, May 24.
Hitchcock, Stanley L., assignor to Tropical Plantations Limited, London, England. Magnetic work holder. 2,471,067, May 24.
Hodgson, Richard and Sons, Limited, assignee: *See*—
Cheshire, Arthur.
Hooker, George W., Sarnia, Ontario, Canada, and N. R. Peterson, assignors to The Dow Chemical Company, Midland, Mich. Water-soluble cellulose ether plasticised with a cyclomethylene sulfone. 2,471,272, May 24.
Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Process of treating petroleum oils with a copper soap and of producing the copper soap. 2,471,153, May 24.
Hope, Eric S., Elizabeth, N. J., assignor, by mesne assignments, to Conveyor & Machinery Manufacturers, Inc., New York, N. Y. Gathering machine distributor. 2,471,214, May 24.
Horlaescher, Herman: *See*—
Dall, Albert H., and Horlaescher.
Horn, Jacque E., New York, N. Y. Detachable seat cushion. 2,470,929, May 24.
Horning, Raymond H., and I. L. Wilcox, assignors to Oswego Falls Corporation, Fulton, N. Y. Container construction. 2,470,984, May 24.
Hoyt, William C., Sr., Aberdeen, Wash. Leaf separator for berry picking machines. 2,471,326, May 24.
Hughes, Edwin J., Jr.: *See*—
Salsberg, Louis, and Hughes, Jr.
Hughey, Howard G., Fanwood, N. J., assignor to Air Reduction Company, Incorporated. Apparatus for feeding powdered material. 2,470,819, May 24.
Hull, Harper H., Birmingham, Ala. Electric steering control. 2,470,820, May 24.
Humrichouse, Davis B.: *See*—
Humrichouse, Walter E. and D. B.
Humrichouse, Walter E. and D. B., assignors of twenty-two and one-half per cent to W. H. Smith, Sr., and twenty-two and one-half per cent to G. W. Abell, Baltimore, Md. Spark plug. 2,470,821, May 24.
Hunt, Ernest W., Crows Nest, near Sydney, New South Wales, assignor of one-half to H. P. J. Woodward, Wayerton, near Sydney, Australia. Angular and linear calculating instrument. 2,471,327, May 24.
Hunt, Hilland G., Natick, Mass. Pneumatically driven power unit. 2,471,109, May 24.
Hurd, Frank E., New York, N. Y. Apparatus for the desiccation of organic substances. 2,471,035, May 24.
I-T-E Circuit Breaker Company, assignee: *See*—
Deans, William.
Jensen, Otto.
Illeche, Arthur, Rye, N. Y. Gearing for driving a plurality of spindles. 2,470,985, May 24.
Imperial Chemical Industries Limited, assignee: *See*—
Arnold, Michael H., Miller, and Perry.
Cook, James G., Dickson, Lowe, and Whinfield.
Independent Lock Company, assignee: *See*—
Harvey, Henry S.
Indiana University Foundation, assignee: *See*—
Campaigne, Ernest E., and Le Suer.
Ingalls, John M.: *See*—
Miller, Carroll E., and Ingalls.
Institute of Paper Chemistry, The, assignee: *See*—
Knight, George D., and Rowland.
International Cigar Machinery Company, assignee: *See*—
Durning, James P.
Halstead, John F.
International Nickel Company, Inc., The, assignee: *See*—
Atkinson, Ralph H., and Gladis.
Irwin, Frank N., Jr., South Miami, Fla. Sealer. 2,470,852, May 24.
Jack & Heintz Precision Industries, Inc., assignee: *See*—
Luginbuhl, Emil.
Jackson, Donald, assignor to Pye Limited, Cambridge, England. Radio antenna. 2,471,215, May 24.
Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Insulation for spherical tank shells and making the same. 2,470,986, May 24.
Jacobs, Stephen: *See*—
Matson, William N., and Jacobs.
Jankovich, Ivan, Kenosha, Wis. Pliers with detachable end jaws. 2,471,372, May 24.
Jasin, Raymond, assignee: *See*—
Jasinski, Walter.
Jasin, Robert, assignee: *See*—
Jasinski, Walter.
Jasinski, Anna, assignee: *See*—
Jasinski, Walter.
Jasinski, Walter, assignor of one-third to A. Jasinski, one-third to Robert Jasin, and one-third to Raymond Jasin, Grand Junction, Mich. Folding bed. 2,470,930, May 24.
Jenkins, John, La Grande, Oreg. Ladder for hanging paper. 2,471,110, May 24.

Jenkins, Wesley R., Whiting, Ind., assignor to Carnegie-Illinois Steel Corporation. Running rope lubricator. 2,471,036, May 24.
Jennings, Alvin A., Lebanon, assignor to Rice-Stix Dry Goods Company, St. Louis, Mo. Sewing machine. 2,470,831, May 24.
Jensen, Otto, Malvern, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Low-voltage rectifier protection. 2,471,216, May 24.
Jernstedt, George W., and M. Ceresa, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electroplating nickel and cobalt with periodic reverse current. 2,470,775, May 24.
Jewell, Raymond L., assignor to American Sterilizer Company, Erie, Pa. Steriliser construction. 2,470,776, May 24.
Johnson, Arthur K., Hawthorne, and H. B. Suhr, assignors to American Potash & Chemical Corporation, Trona, Calif. Manufacturing coarse granular potassium chloride. 2,470,822, May 24.
Johnson, James P., Shaker Heights, Ohio. Rotary pump stator. 2,470,987, May 24.
Johnson, Philip A., Van Nuys, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Rotatable device. 2,471,217, May 24.
Johnson, William S., Madison, Wis., J. W. Petersen, Oakland, Calif., and C. D. Gutsche, St. Louis, Mo., assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Preparing 10,11-dihydro-7-r-phenanthro-[2,1-d]isoxazoles, and products of such process. 2,470,777, May 24.
Johnstone, Warren W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of polyolefinic hydrocarbons. 2,470,894, May 24.
Jones, Basil E., Flossmoor, assignor to The Pullman Company, Chicago, Ill. Berth arrangement. 2,470,853, May 24.
Jones, Homer T., Ord, Nebr. Water regulator for cattle tanks. 2,471,328, May 24.
Jones, Lovic O., Greenfield, Tenn. Bag holder and releaser. 2,471,218, May 24.
Joseph, Henry G., Cranston, R. I., assignor to Victor Ring Traveler Company. Ring traveler. 2,470,932, May 24.
Joyner, Archibald A., Merchantville, N. J., assignor to Radio Corporation of America. Pulse echo recognition system. 2,471,373, May 24.
Kahn, Robert L., assignee: *See*—
Bussey, William H.
Kail, J. H., assignee: *See*—
Leonard, Caswell L.
Kanter, Jerome J., Palos Park, assignor to Crane Co., Chicago, Ill. Heat treatment. 2,470,988, May 24.
Kay Manufacturing Corporation, assignee: *See*—
Gaudi, Joseph, and Krakauer.
Keim, Donald B., Bridgeport, Conn., assignor to General Electric Company. Supporting device for cathode-ray tubes. 2,471,154, May 24.
Keiper, Edwin H., assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Reversible hammer mill with power-driven impactor surfaces. 2,471,068, May 24.
Kelser, Bernhard: *See*—
De Groote, Melvin, and Kelser.
Keller, Sidney, Park Ridge, and D. W. Fentress, Barrington, assignors to Chicago Metal Hose Corporation, Maywood, Ill. Flexible connector. 2,470,989, May 24.
Kellogg, M. W., Company, The, assignee: *See*—
McGrath, Henry G., Passino, and Rubin.
Kellogg Switchboard and Supply Company, assignee: *See*—
Bosh, James E.
Kem-Stone Products Company, Inc., assignee: *See*—
Livingstone, William.
Kennedy, Arthur, Wood-Ridge, N. J., assignor to A. F. Smuckler and C. C. Cullen, doing business as A. F. Smuckler & Company, New York, N. Y. Photoflash synchronizer with tripper-operated safety switch. 2,471,219, May 24.
Kennedy, Frank H., New York, N. Y. Making inflated articles. 2,470,990, May 24.
Keuffel, Adolf W., Essex Fells, assignor to Keuffel & Esser Company, Hoboken, N. J. Making measuring tapes. 2,471,329, May 24.
Keuffel, Adolf W., Essex Fells, assignor to Keuffel & Esser Company, Hoboken, N. J. Making measuring tapes. 2,471,395, May 24.
Keuffel & Esser Company, assignee: *See*—
Keuffel, Adolf W.
Kinrannon, Camilla M., Milwaukee, Wis. Landing net. 2,471,273, May 24.
Kindorf, Harry L., and Orlan C. Kindorf, San Francisco, Calif. Adjustable beam clamp. 2,470,991, May 24.
Kindorf, Harry L., and Orlan C. Kindorf, San Francisco, Calif. Beam clamp for conduit supports. 2,470,992, May 24.
Kindorf, Orlan C.: *See*—
Kindorf, Harry L., and Orlan C.
Klaeden, Frits: *See*—
Bierwirth, John A., and Klaeden.
Klingen, Leendert: *See*—
Woods, Harold A., Yates, Klingen, and Barton.
Knight, George D., and B. W. Rowland, assignors to The Institute of Paper Chemistry, Appleton, Wis. Continuously coating porous sheets. 2,471,330, May 24.
Knowles, Hugh S., River Forest, Ill., assignor to Zenith Radio Corporation. Flexible-surfaced bone conduction hearing aid unit. 2,470,934, May 24.
Koppers Company, Inc., assignee: *See*—
Stromquist, Russell C.
Kovac, Michael L., Garfield, N. J. Heating tool. 2,470,854, May 24.
Krakauer, Daniel: *See*—
Gaud, Joseph, and Krakauer.
Kramer, Marjorie, assignee: *See*—
Kramer, Melvin L.
Kramer, Melvin L., assignor to M. Kramer, Newark, N. J. Cabinet having combined doors and slidable shelf. 2,470,993, May 24.
Kremko, Daniel, and J. Podufaly, Detroit, Mich. Flag pole painting apparatus. 2,470,994, May 24.
Krumbhaar, William, New York, N. Y. Rosin maleic glycerine esters. 2,470,855, May 24.
Kuntny, Gregor W.: *See*—
Caldwell, John A., Wannamaker, Jr., and Kuntny.
Kusch, Polykarp, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,470,856, May 24.
La Bat, Edward F., San Pablo, Calif. Potato slicer. 2,470,934, May 24.
Lake Erie Chemical Company, assignee: *See*—
Manville, Charles J.
Landis & Gyr, A. G., assignee: *See*—
Vannini, Philipp.
Langmuir, Robert V., and P. H. Peters, Jr., Schenectady, N. Y., assignors to General Electric Company. Balanced variable reactance device. 2,471,165, May 24.
Lankovski, Anatoly, and M. Graves, Los Angeles, Calif., assignors to M. B. Butler, Chicago, Ill. Hydraulic system for self-loading trucks. 2,470,778, May 24.
Lankovski, Anatoly, and M. Graves, Los Angeles, Calif., assignors to M. B. Butler, Chicago, Ill. Scoop construction for self-loading trucks. 2,470,779, May 24.
Lathers, William C., Jr., Madison, Wis. Hoisting attachment for motor-driven vehicles, such as tractors. 2,470,857, May 24.
Law, Russell R., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device employing cavity resonators. 2,471,037, May 24.
Laxo, Ed, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Can extractor. 2,471,156, May 24.
Lear, Incorporated, assignee: *See*—
Lear, William P.
Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Grand Rapids, Mich. Remote positioning and indicating system. 2,471,220, May 24.
Le Blond, R. K., Machine Tool Company, The, assignee: *See*—
Meyer, Walter R., and Siekmann.
Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Oil or liquid filter. 2,471,069, May 24.
Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Diaphragm seal for gas turbines. 2,470,780, May 24.
Lee, Hershal J., Bremerton, Wash. Apron. 2,471,331, May 24.
Lemmel, Paul T., Madison, Wis., assignor to The Borden Company, New York, N. Y. Sealing empty cans. 2,471,332, May 24.
Leonard, Caswell L., assignor of one-half to J. H. Kail, Memphis, Tenn. Animal trap. 2,470,858, May 24.
Leroy, Robert P., Paris, France. Phase reversal telegraph system. 2,471,333, May 24.
Lesser, Henry J., Seattle, Wash. Fishline sinker. 2,470,995, May 24.
Le Suer, William M.: *See*—
Campaigne, Ernest E., and Le Suer.
Levin, Henry H., Newark, N. J. Paper cutter. 2,471,334, May 24.
Lewis, Howard: *See*—
Gray, Oscar, and Lewis.
Light, Donald W., Longmeadow, Mass., assignor to American Cyanamid Company, New York, N. Y. Aqueous emulsions of mixed phthalic glyceride and melamine-formaldehyde resins. 2,471,896, May 24.
Linde Air Products Company, The, assignee: *See*—
Meincke, Edward.
Lindstrom, George W., Westport, Conn. Electric foot-warming ottoman. 2,471,221, May 24.
Lingo, Shirley P., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nitroalkyl sulfites and preparing them. 2,471,274, May 24.
Link, Karl P.: *See*—
Stahmann, Mark A., and Link.
Linville, Thomas M., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,471,157, May 24.
Linz, Arthur, assignor to Climax Molybdenum Company, New York, N. Y. Alloy addition agents. 2,470,985, May 24.
Livingstone, William, La Grange, Ill., assignor to Kem-Stone Products Company, Inc. Liquid treating apparatus. 2,471,158, May 24.

Lock Joint Pipe Company, assignee: *See*—
Hirsh, Philip B.

Lo Gerfo, Salvatore, Brooklyn, N. Y. Apparatus for chilling fluids. 2,470,986, May 24.

Loemer, Max, New York, N. Y. Automatic rope lock. 2,471,835, May 24.

Lone Star Steel Company, assignee: *See*—
Drescher, Arthur B.

Lorant, Lionel, Long Island City, N. Y. Regulated transformer. 2,471,224, May 24.

Lorber, Charles, Louisville, Ky. Self-quiz device. 2,471,223, May 24.

Lorens, Anton, Buffalo, N. Y. Reclining article of furniture. 2,470,781, May 24.

Lorenz, Edward H., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for feeding batch to glass melting furnaces. 2,471,836, May 24.

Loughborough, Dwight L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Means for preventing the accumulation of ice on aircraft surfaces and the like. 2,471,224, May 24.

Lowe, Arthur R.: *See*—
Cook, J. G., Dickson, Lowe, and Whinfield.

Lowe, Russel E.: *See*—
Morgan, John D., and Lowe.

Lozterman, Henry R., Chicago, Ill., assignor to Blaw-Knox Company, Pittsburgh, Pa. Furnace door. 2,471,275, May 24.

Luby, Henry, Denver, Colo. Automotive parts truck. 2,471,837, May 24.

Lach, Henry F., Portland, Oreg. Deer call. 2,470,823, May 24.

Luginbuhl, Emil, Bedford, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Work centering attachment for metal turning machines. 2,471,038, May 24.

Lukens Steel Company, assignee: *See*—
Harrington, William J.

Lundqvist, Axel G., Lulea, and N. H. Lundqvist, Kiruna, assignors to K. O. Alenius, Lulea, Sweden. Card index file. 2,470,824, May 24.

Lundqvist, Nils H.: *See*—
Lundqvist, Axel G., and N. H.

Lupton, McSherry, Winchester, Va. Grading machine bin. 2,471,225, May 24.

Lyte, Parts, Company, assignee: *See*—
Wintermute, Vern M.

Maccario, Emil C., Maplewood, N. J. Concrete curb block. 2,471,226, May 24.

MacDonald, Lester C., Hamilton, Ontario, Canada. Fastener for window screens and storm sashes. 2,471,159, May 24.

Magnetic Analysis Corporation, assignee: *See*—
Zuschlag, Theodore.

Malcom, Oleu, assignor to Reeves Pulley Company, Columbus, Ind. Electric motor preset control. 2,470,937, May 24.

Mallory, Marion, Detroit, Mich. Mechanism for utilizing the manifold suction of internal-combustion engines. 2,471,111, May 24.

Mallory, P. R., & Co., Inc., assignee: *See*—
Puerner, George O.

Malmqvist, Johan D.: *See*—
Gustafsson, Gotthard V. A., and Malmqvist.

Mangold, Ell F., assignee: *See*—
Chapman, Harold P.

Manville, Charles J., Pontiac, Mich., assignor to Lake Erie Chemical Company, Cleveland, Ohio. Magazine gun with integral breech bolt and hand grip. 2,471,276, May 24.

Marlowe, Elbert W., Chicago, Ill., and H. A. Wilcox, Los Alamos, N. Mex., assignors to The United States of America as represented by the United States Atomic Energy Commission. Impulse type power supply. 2,470,895, May 24.

Marshall, Bruce O., Jackson, Miss. Producing and testing specimens of paving mixtures. 2,471,227, May 24.

Martin, William E., Rewanee, Ill. Operating means for trailer goosenecks. 2,471,277, May 24.

Marvin, Harry B.: *See*—
Goodale, Charles J., and Marvin.

Masland, C. H., & Sons, assignee: *See*—
Carter, Robert E.

Maslonka, John G., assignee: *See*—
Bartels, Frank.

Masmore, Peter J., assignor to I. F. Fishman, New York, N. Y. Interchangeable eye lens frame. 2,471,338, May 24.

Master Lock Company, assignee: *See*—
Soref, Harry E., and Foote.

Mathes, Robert C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical contact protection network. 2,470,828, May 24.

Mathy, Eugene V., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of hydrocarbons. 2,471,228, May 24.

Matson, William N., and S. Jacobs, Fitchburg, Mass., assignors to General Electric Company. Combination balanced shutoff and throttling valve assembly. 2,471,160, May 24.

Maull, Harry W., Maplewood, and J. H. Sauter, Rutherford, N. J., assignors to General Baking Company, New York, N. Y. Dough handling machine. 2,471,112, May 24.

Mavity, Julian M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Recovery of sulfonic acids from spent sulfonating agent. 2,470,896, May 24.

McAfee, Mark C., Wichita, Kans. Warm air space heater with air circulating blower. 2,470,935, May 24.

McAfee, Samuel H., Jr., Oakdale, Pa. Drill jack. 2,471,374, May 24.

McCarthy, Frederick J., and C. Schandler, New York, N. Y. Spark plug. 2,471,070, May 24.

McCardle, Herbert E., Groton, S. Dak. Mixing bottled natural gas with vegetative gas. 2,471,161, May 24.

McDonald, Edward L., Sydney, Nova Scotia, Canada. Thermometer with heat conductor. 2,471,229, May 24.

McDonald, Matilda M., Columbus, Ohio. Body protecting shield. 2,471,071, May 24.

McGrath, Henry G., Elizabeth, H. J. Passino, Englewood, and L. C. Rubin, West Caldwell, assignors to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,470,782, May 24.

McGrath, William L., Philadelphia, Pa., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner control system. 2,470,996, May 24.

McIntyre, Ailee H., assignee, trustee: *See*—
Tubbs, Irl L.

McKeever, Charles H., assignor to Rohm & Haas Company, Philadelphia, Pa. Residue carboxylic acid-alkylene diamine resins. 2,471,230, May 24.

McKensie, Robert, Glendale, Calif. Shoe spike. 2,470,997, May 24.

McMahon, William, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fixed capacitor. 2,470,826, May 24.

McPherson, Robert H., Lynwood, Calif. Portable mast. 2,470,998, May 24.

Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gun sight control. 2,471,278, May 24.

Mead, Vincent A., United States Navy. Plane marker buoy. 2,470,783, May 24.

Meincke, Edward, Scotch Plains, N. J., assignor to The Linde Air Products Company. Thermochemical metal removal. 2,470,999, May 24.

Melchionna, Frank A., Cincinnati, Ohio. Sports shoe. 2,471,113, May 24.

Messing, Anton B., New York, N. Y. Comb. 2,471,279, May 24.

Merriam, Henry F., West Orange, N. J., assignor to Allied Chemical & Dye Corporation. Manufacture of sulfuric acid. 2,471,072, May 24.

Meskimen, Leslie C., Shawnee on Delaware, Pa., assignor to Fairmont Railway Motors, Incorporated, Fairmont, Minn. Mower. 2,471,073, May 24.

Messenger, Joseph E., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Alumina gel pellets. 2,471,000, May 24.

Messrs. Hard Metal Tools Limited, assignee: *See*—
Westmoreland-White, Beryl.

Metcalfe, George E., Bridgeport, Conn. Polishing bonnet. 2,471,114, May 24.

Meyer, Walter R., and H. J. Siekmann, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft chuck. 2,471,162, May 24.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Lubricating oil. 2,471,115, May 24.

Miller, Benjamin, Andover, Mass. Bird retriever. 2,471,231, May 24.

Miller, Carroll E., and J. M. Ingalls, assignors to Cone Automatic Machine Company Inc., Windsor, Vt. Multiple spindle lathe. 2,471,074, May 24.

Miller, John H., Short Hills, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Combined ohmmeter and illumination meter. 2,471,001, May 24.

Miller, Milo F., Kansas City, Mo. Electric striker system for chimes. 2,470,827, May 24.

Miller Spreader Corporation, assignee: *See*—
Andrews, Edward F.

Miller, William A., Port Jefferson, and E. R. Shenk, Brooklyn, N. Y., assignors to Radio Corporation of America. Radio detection and location system indicating azimuth and elevation. 2,470,939, May 24.

Millien, Albert: *See*—
Fawcett, Eric W. M., Narracott, and Millien.

Millington, John W., and W. H. Stewart, Beaumont, Tex., assignors to Sun Oil Company, Philadelphia, Pa. Tube testing apparatus. 2,470,828, May 24.

Minder, Fred: *See*—
Dethlefs, Walter M., and Minder.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.

Minich, Arthur, Westfield, N. J., and M. Nowak, Brooklyn, N. Y., assignors to Nuodex Products Co., Inc., Elizabeth, N. J. Long-chain amine salts as fungicides and bactericides. 2,471,330, May 24.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Aska, Leonard B.
Bank, Albert E.
Caldwell, John A., Wannamaker, Jr., and Kuntzy.
McGrath, William L.
Taylor, Daniel G.
Wilson, John M.

Missouri Automatic Control Corporation, assignee: *See*—
Newman, Eric P.

Mitton, Robert R., Lemon Grove, Calif. Safety pressure detonator bomb. 2,471,163, May 24.

Mobar, Jack L., Long Beach, Calif. Electric switch. 2,471,040, May 24.

Möbl, Torben, Copenhagen, Denmark; vested in the Attorney General of the United States. Plowshare. 2,471,164, May 24.

Mohr, George F., Peoria, Ill. Animated display device. 2,471,002, May 24.

Moline, Desmond W., London, assignor to Molins Machine Company, Limited, Deptford, London, England. Firing mechanism for automatic guns having transversely movable breech blocks. 2,471,232, May 24.

Molins Machine Company, Limited, assignee: *See*—
Molins, Desmond W.

Monahan, William, Los Angeles, Calif. Folding lap table. 2,471,003, May 24.

Monowatt, Incorporated, assignee: *See*—
Benander, Clifford N, and G. B.

Monroe Auto Equipment Company, assignee: *See*—
White, Glen L., and Diedrich.

Monsanto Chemical Company, assignee: *See*—
Aber, Massimo.
Baer, Massimo.

Monson, Ephriam V., Salt Lake City, Utah. Mechanical horse. 2,471,233, May 24.

Monson, Louis T., Alhambra, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking oil-in-water emulsions. 2,470,829, May 24.

Monson, Louis T., Los Angeles County, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Removing mud sheaths from oil wells. 2,470,830, May 24.

Monson, Louis T., Los Angeles County, Calif., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Preventing and/or removing accumulations of solid matter from oil wells, flow lines, and pipe lines. 2,470,831, May 24.

Montclair Research Corporation, assignee: *See*—
Robertson, John W., and Rust.
Rust, John B.

Montgomery, Ernest E., Gering, Nebr. Sash holding device. 2,470,832, May 24.

Montrose-Oster, Louis E. W., Brussels-Boitsfort, Belgium, assignor of one-half to Pollopas Patents Limited, London, England. Electric remote selective control system. 2,471,075, May 24.

Moore, Earl E., assignee: *See*—
Bovee, Ranson Y.

Moore, John B., Brooklyn, N. Y., assignor to Radio Corporation of America. Printing telegraph system. 2,471,076, May 24.

Moore, Robert J., Berkeley, and R. A. Trimble, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Production of cyclic sulfides. 2,471,077, May 24.

Moore, Spencer O., Burbank, Calif. Hair drier. 2,470,833, May 24.

Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Flushing composition for engine lubricating systems. 2,471,390, May 24.

Morris, Rupert C., Berkeley, A. V. Snider, Richmond, and E. T. Bishop, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Methylpentadiene-aralkenyl copolymers. 2,471,234, May 24.

Morrissey, Robert F., South Britain, Conn. Electrode holder. 2,471,340, May 24.

Moseley, Coy E., Arlington, Tex. Barbecue pit. 2,471,375, May 24.

Moseman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Gamma iron oxide-alkali metal ferrate and preparation. 2,470,784, May 24.

Moseman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Alpha iron oxide-alkali metal ferrate catalyst and preparation. 2,470,785, May 24.

Moseman, Max A., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Ferro-ferric oxide-alkali metal ferrate catalyst and its preparation. 2,470,786, May 24.

Mosher, Clarence H., Sacramento County, Calif. Pipe cleaner. 2,470,940, May 24.

Moss, Philip H.: *See*—
Cook, Elmer W., and Moss.

Moster, Robert, Rushville, Ind. Baby stroller-walker. 2,471,004, May 24.

Moyer, Samuel P., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Froth flotation of apatite using calcium silicate. 2,471,341, May 24.

Nachman, Jack, Philadelphia, Pa. Fancy trimming stitch. 2,471,166, May 24.

Nader Engineering Company, assignee: *See*—
Roys, Carl S.

Narracott, Eric S.: *See*—
Fawcett, Eric W. M., Narracott, and Millian.
Fawcett, Eric W. M., Narracott, and Rowland.

National Fitch Corporation, assignee: *See*—
Norbom, Ragnar A.

Neff, Edward A., Chicago, Ill. Shock absorber webbing. 2,471,166, May 24.

Nelson, Arthur E., University City, Mo. Bracket. 2,471,342, May 24.

Neustadter, Irving, Brooklyn, N. Y. Lingual mold bar for dental molds. 2,471,344, May 24.

Newberger, Michael F., Cleveland, Ohio. Cigarette shield. 2,471,116, May 24.

Newman, Eric P., Clayton, Mo., assignor, by mesne assignments, to Missouri Automatic Control Corporation. Control system. 2,471,343, May 24.

Nick, George A., Sacramento, Calif. Animal skinning device. 2,471,235, May 24.

Niederhiser, Floyd E., Cleveland, Ohio. Hinged supported motor wrench. 2,470,897, May 24.

Noblitt-Sparks Industries, Inc.: *See*—
Booth, Earl C.

Norbom, Ragnar A., New York, N. Y., assignor to National Fitch Corporation. Shipping container. 2,471,280, May 24.

North American Aviation, Inc., assignee: *See*—
Patterson, Charles E.

Norton, Robert L., Belmont, assignor to Eitel-McCullough, Inc., San Bruno, Calif. Base structure for electron tubes. 2,471,005, May 24.

Noaker, Paul W., Yellow Springs, Ohio. System for determining the position or path of an object in space. 2,470,787, May 24.

Nowak, Milton: *See*—
Minich, Arthur, and Nowak.

Nuodex Products Co., Inc., assignee: *See*—
Minich, Arthur, and Nowak.

Nye, Ralph D., and D. J. Demorest, Columbus, Ohio. Obtaining concentrates of uranium and vanadium from their ores. 2,471,345, May 24.

O'Brien, Joseph F., Lebanon, and E. S. Boynton, East Orange, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Severable electrical conduit section. 2,470,788, May 24.

Ogorzaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Catalyst quality by magnetic separation. 2,471,076, May 24.

Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Pleton ring boring and beveling machine. 2,471,006, May 24.

Olson, Leonard E., and R. Wertzler, Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y. Switching device. 2,471,281, May 24.

Oltman, Robert E., deceased: *See*—
Scott, George C., Oltman, and Peterson.

Orshansky, Elias, Jr., assignor to The Acrotorque Company, Stamford, Conn. Power transmission. 2,471,117, May 24.

Orthner, Ludwig, G. Balle, and H. Schild, Frankfurt-on-Main, M.-O. Schürmann, Dormagen, and K. Brodersen, and M. Quaedvlieg, Dessau, Germany; vested in the Attorney General of the United States. Manufacture of improved fibrous materials and the materials thus obtained. 2,471,039, May 24.

Orton, Kenneth L., St. Paul, Minn. Fish stringer. 2,470,941, May 24.

Oswego Falls Corporation, assignee: *See*—
Horning, Raymond H., and Wilcox.
Wilcox, Isaac L.

Oolmet, Emil R., Brockton, Mass. Shoe welt. 2,470,942, May 24.

Oxenrider, Ellis C., Chicago, Ill. Railroad-highway crossing construction. 2,471,167, May 24.

Paddock, Levi S., assignor to Swift & Company, Chicago, Ill. Treatment of livers. 2,471,282, May 24.

Paffen, Fred W., Great Neck, and H. L. Cornelius, New Gardens, N. Y., assignors to Celanese Corporation of America. Yarn package support. 2,470,835, May 24.

Page, Bruno, assignor, by mesne assignments, to William R. Warner & Co., Inc., New York, N. Y. Apparatus for clarifying fluids. 2,470,943, May 24.

Palmer, Frank D., Chicago, Ill., assignor to Frank D. Palmer, Inc. Slipproof bag. 2,470,789, May 24.

Palmer, Frank D., Inc., assignee: *See*—
Palmer, Frank D.

Parish Pressed Steel Co., assignee: *See*—
Cole, Nelson E.

Parish, Willard E., assignor to Crouse-Hinds Company, Syracuse, N. Y. Interlock mechanism for switch and receptacle units. 2,470,944, May 24.

Parker, Allen J., West Palm Beach, Fla. Cleaning device for fuses and fuse holders. 2,471,236, May 24.

Parker, Arnold G., Longueuil, Quebec, Canada. Aircraft control system. 2,471,283, May 24.

Parker, Irvine E., Transfer, and T. W. Brydon, Slippery Rock, Pa. Scrubbing machine for fire hose. 2,471,041, May 24.

Parrish, William C., Park Ridge, assignor to Stewart-Warner Corporation, Chicago, Ill. Heater. 2,470,880, May 24.

Paralinger, Joseph M., assignor of thirty per cent to M. H. Parsinger, Columbus, Ohio. Emergency generating system for automobiles. 2,470,898, May 24.

Parsinger, Max H., assignee: *See*—
Parsinger, Joseph M.

Passino, Herbert J.: *See*—
McGrath, Henry G., Passino, and Rubin.
Pasturezak, Harry S., East Moline, Ill., assignor of one-half to W. J. Bleasdale, South Bend, Ind. Separable fluid coupling. 2,471,237, May 24.
Pasanicki, Frank, Hamtramck, Mich. Coat hanger. 2,471,007, May 24.
Patent Management, Incorporated, assignee: *See*—
Allison, Ralph E.
Patterson, Charles E., Pacific Palisades, assignor to North American Aviation, Inc., Inglewood, Calif. Detachable engine mount and accessory coupling. 2,471,118, May 24.
Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Di(orthoacylaminoaryl) disulfide softeners for rubbers. 2,470,945, May 24.
Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. 2,2'-dithio bis propionanilide softener for rubbers. 2,470,947, May 24.
Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Di(orthoacylaminoaryl) disulfide softeners for rubbers. 2,470,948, May 24.
Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Di(orthoacylaminoaryl) disulfide softeners for isoolefin-diolefin copolymers. 2,470,949, May 24.
Paul, Philip T., and L. B. Tewksbury, Jr., Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. 2,2'-dithio bis (n-aryl carbamic ester) softeners for rubbers. 2,470,946, May 24.
Pavlic, Albert A., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonanoic acid. 2,470,859, May 24.
Payne, John W.: *See*—
Simpson, Thomas P., Payne, and Crowley.
Peck, Edward B., Elisabeth, and D. O. Tomkins, Summit, N. J., assignors to Standard Oil Development Company. Finished shale autothermic distillation. 2,471,119, May 24.
Peltier, Leslie C., assignor to The Delphos Bending Company, Delphos, Ohio. Infant's chair. 2,470,834, May 24.
Pelton, George E., Middleburg, assignor to I. S. Pelton, Round Hill, Va. Ribbon feeding and inking mechanism for typing machines. 2,471,238, May 24.
Pelton, Ida S., assignee: *See*—
Pelton, George E.
Pennsylvania Crusher Company, assignee: *See*—
Kelper, Edwin H.
Pepin, Nelson J., Lowell, Mass. Motor mounting attachment. 2,471,120, May 24.
Perri, Angelo, Groveland, assignor to Allied Shoe Machinery Corp., Haverhill, Mass. Sole-cementing machine. 2,471,397, May 24.
Perry, William E.: *See*—
Arnold, Michael H. M., and Perry.
Peter-Schmidt Corporation, The, assignee: *See*—
Schmidt, Francis J.
Peters, Brice G., Baltimore, Md. Apparatus for dehumidification. 2,471,376, May 24.
Peters, Philip H., Jr.: *See*—
Langmuir, Robert V., and Peters.
Petersen, Jack W.: *See*—
Johnson, William S., Petersen, and Gutsche.
Peterson, John T., administrator: *See*—
Scott, George C., Oltman, and Peterson.
Peterson, Norman R.: *See*—
Hooker, George W., and Peterson.
Peterson, Oscar R., Oakland, and R. A. Peterson, San Leandro, Calif. Brake mounting and control. 2,471,346, May 24.
Peterson, Robert A.: *See*—
Peterson, Oscar R., and R. A.
Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, and Keiser.
Monson, Louis T.
Pfeffer, Edward C., Jr., assignor to Cluett, Peabody and Co., Inc., Troy, N. Y. Shirt collar construction. 2,470,950, May 24.
Philco Corporation, assignee: *See*—
Boothroyd, Wilson P., and Forster.
Bradley, William E.
Tompkins, Howard E.
Phillips Petroleum Company, assignee: *See*—
De Bosbiane, Destonde R., and Bondurant.
Mathy, Eugene Y.
Pickands Mather & Co., assignee: *See*—
Royster, Percy H.
Pickens, Roy A.: *See*—
Booth, Robert B., and Pickens.
Pierce, John B., Foundation, assignee: *See*—
O'Brien, Joseph P., and Boynton.
Piper, Roy A., Princeton, Ill. Load discharging apparatus for farm wagons. 2,470,835, May 24.
Pitter Gauge & Precision Tool Co. Limited, assignee: *See*—
Glover, Leonard E.
Pittsburgh-Des Moines Company, assignee: *See*—
Jackson, James O.
Podufaly, Joseph: *See*—
Kremko, Daniel, and Podufaly.
Polipas Patents Limited, assignee: *See*—
Montrose-Oster, Louis E. W.
Polson, Kenneth M., Williams, Ariz. Floor waxing device. 2,470,837, May 24.
Post, Carl B., Wyomissing, Pa., assignor to The Carpenter Steel Company. Austenitic steel having high hot hardness. 2,471,080, May 24.
Post, Carl B., Wyomissing, and W. S. Eberly, Temple, assignors to The Carpenter Steel Company, Reading, Pa. Glass sealing alloy. 2,471,079, May 24.
Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for converting a signal of variable amplitude into pulses of constant frequency and variable duration. 2,471,168, May 24.
Prentice, Thomas G., Detroit, Mich. Fishing lure. 2,470,881, May 24.
Presdorf, Robert D., Decatur, Ind. Safety hitch. 2,470,862, May 24.
Presswell, Richard W.: *See*—
Smith, Esmond W., and Presswell.
Pretty, George E., assignor to The Pretty-Scheffer Company, Coshocton, Ohio. Bath mat. 2,471,008, May 24.
Pretty-Scheffer Company, The, assignee: *See*—
Pretty, George E.
Price, Towson, Glen Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manufacture of alloys. 2,470,790, May 24.
Pringle, Glenn D., Lansing, Mich. Rake cleaner. 2,470,863, May 24.
Puerner, George O., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Stator construction for switches. 2,470,931, May 24.
Pullman Company, The, assignee: *See*—
Jones, Basil E.
Pye Limited, assignee: *See*—
Jackson, Donald.
Quaedvlieg, Matthias: *See*—
Orthner, Ludwig, Balle Schild, Schürmann, Broderæn, and Quaedvlieg.
Radin Corporation of America, assignee: *See*—
Bartelson, Sten E.
Best, Frank P., Colchester, and Twatt.
Braden, Rene A.
Joyner, Archibald A.
Law, Russell R.
Miller, William A., and Shenk.
Moore, John B.
Smith, Lester C.
Snyder, Richard L., Jr.
Spencer, James A., and Thomas.
Wein, John F.
Ramsay, Erskine, Birmingham, Ala. Coal handling system. 2,471,042, May 24.
Randall, Waldo E., Cranston, R. I. Rotatable shelf. 2,470,749, May 24.
Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Thermoelectric control device. 2,470,864, May 24.
Rayburn, Vincent A., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Conveyer. 2,471,347, May 24.
Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 2,471,284, May 24.
Reason, Richard E., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Apparatus for measuring or indicating the roughnesses or undulations of surfaces. 2,471,009, May 24.
Rector, Laurence L., Fort Worth, and C. L. Cron, Houston, Tex. Sealing compositions containing chlorinated diphenyl and graphite. 2,471,010, May 24.
Redmond, Harriet L., Boston, assignor to The William Carter Company, Needham Heights, Mass. Garment. 2,471,348, May 24.
Reed, Barbara, assignee: *See*—
Reed, Frank D., Jr.
Reed, Frank D., Jr., assignor to Barbara Reed, Detroit, Mich. Bridle. 2,471,121, May 24.
Reeves Pulley Company, assignee: *See*—
Malcom, Glen.
Reich, William A., Schenectady, N. Y., assignor to General Electric Company. Improving the properties of precipitation hardenable castings. 2,470,791, May 24.
Reiss, Frank, Philadelphia, Pa. Necktie rack. 2,471,849, May 24.
Remy, Theron P., Los Angeles, Calif. Production of chlorinated synthetic rubbers. 2,470,962, May 24.
Revere Copper and Brass Incorporated, assignee: *See*—
Bunn, Edward S.
Reynolds, Artie Thomas, McAlester, Okla. Interchange mechanism between two power sources. 2,471,122, May 24.
Rice, David Y., Avon Lake, Ohio. Valve. 2,471,285, May 24.
Rice-Strix Dry Goods Company, assignee: *See*—
Jennings, Alvin A.
Richards, Norman H., West Springfield, Mass. Rake cleaner. 2,471,239, May 24.
Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Heat actuated device. 2,471,240, May 24.
Rider, Harry N., assignor to "Automatic" Sprinkler Company of America, Youngstown, Ohio. Fluid valve and remote-control system. 2,471,241, May 24.

Rink, Leo S., Moline, Ill. Weeding device. 2,470,899, May 24.
Rink, Leo S., Moline, Ill. Weeder with weed stripper. 2,470,900, May 24.
Robertson, John W., Englewood, and J. B. Rust, East Hanover, assignors of one-half to Montclair Research Corporation, Montclair, N. J., and one-half to Ellis-Foster Company. Alkyd resin-oxidised butadiene polymer emulsion. 2,470,953, May 24.
Rockwell, Edward A., Cleveland, Ohio. Pneumatic hydraulic travel control apparatus. 2,470,954, May 24.
Rodefeld, William H., Richmond, Ind. Pickup hay wagon. 2,471,350, May 24.
Rohm & Haas Company, assignee: *See*—
Auten, Robert W.
McKeever, Charles H.
Romano, Charles, and F. Schmid, Philadelphia, Pa. Razor honing and stropping mechanism. 2,471,855, May 24.
Roodner, Sylvia, New York, N. Y. Undergarment. 2,470,901, May 24.
Rosengren, Swan N., Seattle, Wash. Toolhead retainer. 2,470,885, May 24.
Rosenwald, Robert H., Western Springs, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of phenols. 2,470,902, May 24.
Ross, Walter C. J., London England. Manufacture of derivatives of etiocholenic acid. 2,470,903, May 24.
Rouy, Auguste L. M. A., New York, N. Y. Caloric adjusting. 2,471,123, May 24.
Rowland, Ben W.: *See*—
Knight, George D., and Rowland.
Rowland, Kathleen J.: *See*—
Fawcett, Eric W. M., Narracott, and Rowland.
Roys, Carl S., West Chicago, Ill., assignor by mesne assignments, to Nader Engineering Company. Alternating current generator. 2,471,286, May 24.
Royster, Percy H., Bethesda, Md., assignor to Pickands Mather & Co., Cleveland, Ohio. Treating titaniferous iron ores. 2,471,242, May 24.
Rubin, Louis C.: *See*—
McGrath, Henry G., Passino, and Rubein.
Russell, Robert D., St. Petersburg, Fla. Dual hot-air heater unit for fireplaces. 2,471,351, May 24.
Rust, John B.: *See*—
Robertson, John W., and Rust.
Rust, John B., West Orange, N. J., assignor of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Aldehyde-polycyanoacetamido-compound condensation products and making same. 2,471,243, May 24.
Sabin, Ernest E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Roughing machine. 2,470,866, May 24.
Sachs, Abraham, Baltimore, Md. Machine for breaking in shoes. 2,470,867, May 24.
Safir, Otto, Beaconsfield, England. Construction of staircases. 2,471,352, May 24.
Sahyun, Melville, St. Johns, Mich., assignor to Sterling Drug Inc., New York, N. Y. Protein hydrolysate containing essential amino acids and preparation therefor. 2,470,955, May 24.
Salsbery, Louis, Newark, N. J., and E. J. Hughes, Jr., Larchmont, N. Y. Golf bag. 2,471,169, May 24.
Samuel Stamping and Enameling Company, assignee: *See*—
Zimbelman, George W.
Zimbelman, George W., and Shelton.
Sanders, Philip K., Mamaroneck, N. Y. Hose. 2,471,081, May 24.
Sauter, Joseph H.: *See*—
Maull, Harry W., and Sauter.
Savidge, Clinton W., assignor to Franklin Transformer Manufacturing Company, Minneapolis, Minn. Refrigerator unit. 2,470,956, May 24.
Schaefer, Frederic, Pittsburgh, Pa. Brake rigging with beam-retracting spring. 2,471,287, May 24.
Schandler, Charles: *See*—
McCarthy, Frederick I., and Schandler.
Schenck, Edward L., Hughesville, Pa., assignor of one-fourth to B. Epstein, one-fourth to L. S. Epstein, and one-fourth to S. W. Epstein, Norfolk, Va. Treating waste rubber, etc. 2,471,043, May 24.
Schermuly, Alfred J.: *See*—
Schermuly, Conrad D., A. J., and C.
Schermuly, Charles: *See*—
Schermuly, Conrad D., A. J., and C.
Schermuly, Conrad D., A. J., and C., Parkgate, Newdigate, England. Line-carrying rocket. 2,471,353, May 24.
Schiffrin, Moses J., New York, N. Y. Fur button or ornament. 2,470,868, May 24.
Schild, Heinz: *See*—
Orthner, Ludwig, Balle, Schild, Schürmann, Broderæn, and Quaedvlieg.
Schlesinger, Walter, Chicago, Ill., and P. Becher, Brooklyn, N. Y. Noncorrosive hydraulic fluids. 2,470,792, May 24.
Schmid, Frederick: *See*—
Romano, Charles, and Schmid.
Schmidt, Francis J., Wauwatosa, Wis., assignor to The Peter-Schmidt Corporation, Chicago, Ill. Collapsible bench. 2,470,869, May 24.
Scholten, Harley B., Sheboygan Falls, Wis. Coupling of the ball-and-socket type. 2,470,870, May 24.
Schrope, William D.: *See*—
Fitzsimmons, John T., and Schrope.
Schug, John V., Paragould, Ark. Cotton chopper and cultivator. 2,471,374, May 24.
Schulman, James H., Cambridge, assignor to Sylvania Electric Products Inc., Salem, Mass. Calcium cadmium silicate phosphor. 2,471,062, May 24.
Schuls, Frederick J., Rensselaer, assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Labeling machine attachment. 2,471,288, May 24.
Schürmann, Max-Otto: *See*—
Orthner, Ludwig, Balle, Schild, Schürmann, Broderæn, and Quaedvlieg.
Schwalbach, Robert C.: *See*—
Schwantes, Gilbert C., and Schwalbach.
Schwantes, Gilbert C., and R. C. Schwalbach, Milwaukee, Wis. Headstock attachment for lathes. 2,470,871, May 24.
Scott, George C., Le Sueur, Minn., and R. E. Oltman, deceased, late of Le Sueur, Minn., by J. T. Peterson, administrator, Le Sueur, Minn. Treatment of vegetables. 2,471,170, May 24.
Scott & Williams, Incorporated, assignee: *See*—
Bristow, Paul W.
Scrivener, Arthur, Birmingham, England. Magnetic separator having means for wiping and scraping the carrier disk. 2,471,044, May 24.
Sealed Power Corporation, assignee: *See*—
Olson, Holly M.
Sears, Roebuck and Co., assignee: *See*—
Taylor, William H.
Secor, Robert B., South Gate, assignor to Filtrol Corporation, Los Angeles, Calif. Preparation of acid activated clay. 2,470,872, May 24.
Sedgwick, Robert K., assignor to American Steel Foundries, Chicago, Ill. Preferential operating valve. 2,471,289, May 24.
Selts, Walter K., Tampa, Fla. Airplane tire valve release mechanism. 2,470,873, May 24.
Self, John L., Forest Hill, La. Braking system for motorcars. 2,471,244, May 24.
Selvidge, Harner, Silver Spring, Md. Ultra high frequency antenna system. 2,471,045, May 24.
Shanley, William B., San Marino, Calif., assignor to Universal Oil Products Company, Chicago, Ill. Polymerisation of olefinic hydrocarbons. 2,470,904, May 24.
Shapiro, Arthur L., Wilmette, Ill. Battery charger and rectifier therefor. 2,471,011, May 24.
Shapiro, Morris: *See*—
Franks, David, and Shapiro.
Shell Development Company, assignee: *See*—
Morris, Rupert C., Snider, and Bishop.
Moore, Robert J., and Trimble.
Smith, Curtis W.
Woods, Harold A., Yates, Klingen, and Barton.
Shelton, Roy: *See*—
Zimbelman, George W., and Shelton.
Shenk, Eugene R.: *See*—
Miller, William A., and Shenk.
Shilala, George E., Los Angeles, Calif. Solid convertible top. 2,471,378, May 24.
Shimwell, Derrick W., Rowsley, England. Loom beat-up mechanism. 2,471,354, May 24.
Shoenberg, Abraham J., assignor to Empire Furniture Manufacturing Company, Clinton, Mass. Table. 2,471,245, May 24.
Short, Frank, Haddam Neck, Conn. Aerochemical device. 2,470,793, May 24.
Sidney, Harry A., Milwaukee, Wis. Propeller guard for outboard motors. 2,470,874, May 24.
Siekmann, Harold J.: *See*—
Meyer, Walter R., and Siekmann.
Simpson, Thomas P., and J. W. Payne, Woodbury, N. J., and J. A. Crowley, Jr., New York, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Continuous catalytic system. 2,471,308, May 24.
Sinclair Refining Company, assignee: *See*—
Hall, Ralph E., and Wilcox.
Olson, Leonard E., and Wertzler.
Wilcox, Marion J., and Hall.
Singer Manufacturing Company, The, assignee: *See*—
Clayton, Andrew B.
Slick, Thomas, San Antonio, Tex. Mill for cutting feathers. 2,471,356, May 24.
Smith, Curtis W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Preparation of diols and ester derivatives thereof. 2,471,391, May 24.
Smith, Esmond W., Beecheroft, Chislehurst, and R. W. Presswell, Kensington, London, assignors to The Telegraph Construction and Maintenance Company Limited, London, England. Submarine cable repeater. 2,471,046, May 24.
Smith, Harry R., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch. 2,471,357, May 24.
Smith, Herman A., assignor of forty-nine per cent to M. A. Williams, Chicago, Ill. Christmas tree stand. 2,471,124, May 24.
Smith, Lester C., Westmont, N. J., assignor to Radio Corporation of America. Electronic apparatus. 2,471,246, May 24.
Smith, Louie W., Fort Dodge, Iowa. Dump wagon. 2,471,379, May 24.

Smith, Walter H., Sr., assignee: *See*—
Humrichouse, Walter R., and Davis B.

Smuckler, A. F., assignee: *See*—
Kennedy, Arthur.

Smuckler, A. F., & Company, assignee: *See*—
Kennedy, Arthur.

Snider, Alva Y.: *See*—
Morris, Rupert C., Snider, and Bishop.

Snyder, Richard L., Jr., New York, N. Y., assignor to Radio Corporation of America. Storage tube. 2,470,875, May 24.

Snyder, Robert R., Los Angeles, Calif. In-line fluid pump. 2,470,794, May 24.

Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, assignee: *See*—
Delorme, Jean, and Blumа.

Société Etablissements Poron, assignee: *See*—
Vin, René.

Societe Genevoise d'Instruments de Physique, assignee: *See*—
Turrettini, Fernand.

Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Can stacking machine. 2,470,796, May 24.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Hadden, Stuart T.
Messenger, Joseph E.
Simpson, Thomas P., Payne, and Crowley, Jr.,

Sohn, Arthur G.: *See*—
Kohn, Carl R., and Arthur G.

Sohn, Carl R., and A. G., Chicago, Ill. Bed mattress. 2,471,125, May 24.

Sommaruga, Hector, London, England. Saxophone. 2,471,290, May 24.

Soref, Harry E., and D. J. Foote, assignors to Master Lock Company, Milwaukee, Wis. Padlock. 2,471,291, May 24.

South Chester Corporation, assignee: *See*—
Flogaus, Howard A.
Hale, William C., Jr.

Spaw, Clifford, Detroit, Mich. Fuel saving device. 2,471,012, May 24.

Spencer, James A., Teaneck, N. J., and L. A. Thomas, Brooklyn, N. Y., assignors to Radio Corporation of America. Code converter and error detector. 2,471,126, May 24.

Sperry Corporation, The, assignee: *See*—
Haskins, Robert, Jr.

Spindt, Roderick S., Gibsonia, and D. R. Stevens, Wilkinsburg, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Preparation of aliphatic acids. 2,470,878, May 24.

Springer, Clarence N. and H. R., Grand Rapids, Mich. Cherry pitter. 2,470,906, May 24.

Springer, Hester R.: *See*—
Springer, Clarence N. and H. R.

Stadler, John, Long Hill, Conn. Clip for attaching molding to automobile bodies and fenders. 2,471,247, May 24.

Stahmann, Mark A., Madison, and K. P. Link, Middleton, assignors to Wisconsin Alumni Research Foundation, Madison, Wis. Synthesis of 4-hydroxycoumarins. 2,471,047, May 24.

Standard Brands Incorporated, assignee: *See*—
Barch, William E.

Standard Gage Company, Inc., assignee: *See*—
Aldeborgh, Erik H., and Emery.

Standard Oil Development Company, assignee: *See*—
Amick, Erwin H., Jr.
Gohr, Edwin J.
Hemminger, Charles E.
Hill, Boyd N.
Mikeska, Louis A.
Moosmas, Max A.
Osorsaly, Henry J.
Peck, Edward B., and Tomkins.
Vesterdal, Hans G.
Viles, Prentiss S.
Wright, Richard O.

Stanley, Nobe D., Sr., Fayetteville, N. C. Map and key holder. 2,471,127, May 24.

Stearns, Edwin L., Jr., North Plainfield, and G. L. Buc, Orange, N. J., assignors to American Cyanamid Company, New York, N. Y. Photometric apparatus and spectrophotometer using polarised light and an optically active plate. 2,471,248, May 24.

Stearns, Edwin L., Jr., North Plainfield, and G. L. Buc, Orange, N. J., assignors to American Cyanamid Company, New York, N. Y. Photometric apparatus and spectrophotometer using polarised light and a multiple retardation plate. 2,471,249, May 24.

Stein, John I., Muncie, Ind. Incandescent electric heater. 2,471,128, May 24.

Stephenson, Vernon V., Seattle, Wash. Capsulating method and apparatus. 2,471,358, May 24.

Sterling Drug Inc., assignee: *See*—
Davy, Edward D.
Sahyun, Melville.

Stevens, Donald R.: *See*—
Spindt, Roderick S., and Stevens.

Stevens, Nichols, Chicago, Ill. Tire casing repair device. 2,471,359, May 24.

Stewart, Lindsey: *See*—
Thornton, Arthur W., Stewart, and Susa.

Stewart-Warner Corporation, assignee: *See*—
Parrish, William C.

Stewart, William H.: *See*—
Millington, John W., and Stewart.

Stimson, Allen G., Lynnfield, Mass., assignor to General Electric Company. Vest pocket exposure meter having overlapping sensitivity ranges and calculator rings surrounding the meter scale. 2,471,171, May 24.

Stoller, Daniel, Brooklyn, N. Y. Nipple and cap for baby nursing bottles. 2,471,172, May 24.

Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power supply system. 2,470,838, May 24.

Strader, James E., assignor to Battelle Memorial Institute, Columbus, Ohio. Soft soldering flux. 2,470,937, May 24.

Strickland, Royce M., assignor to The Geometric Tool Company, New Haven, Conn. Self-opening die head. 2,471,250, May 24.

Stromquist, Russell C., Westfield, N. J., assignor, by mesne assignments, to Koppers Company, Inc. Apparatus for coating pipe. 2,470,796, May 24.

Stromquist, Russell C., Westfield, N. J., assignor, by mesne assignments, to Koppers Company, Inc. Coating pipe. 2,470,958, May 24.

Stuart, John W.: *See*—
Coyne, Vincent C., and Stuart.

Stuland, Tor, Stord, Norway. Method and apparatus for detecting variations in the appearance of an object or sample. 2,470,877, May 24.

Suhr, Henry B.: *See*—
Johnson, Arthur K., and Suhr.

Sun Chemical Corporation, assignee: *See*—
Fish, John J.

Sun Oil Company, assignee: *See*—
Millington, John W., and Stewart.

Susa, Francis: *See*—
Thornton, Arthur W., Stewart, and Susa.

Swenson, Joseph W., Summit, N. J. Apparatus for forming the ends of wood pieces. 2,470,959, May 24.

Swift & Company, assignee: *See*—
Peddock, Levi S.

Sylvania Electric Products Inc., assignee: *See*—
Schulman, James H.

Tate, Robert W., Chicago, Ill. Hook. 2,470,878, May 24.

Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Airflow control apparatus for cabin pressurising and engine supercharging. 2,471,292, May 24.

Taylor, John R., Westmount, Quebec, assignor to R. K. Wurtele, Goderich, Ontario, Canada. Ammonia recovery in soda ash production. 2,471,013, May 24.

Taylor, Ralph, New York, N. Y. Dentifrice. 2,470,906, May 24.

Taylor, Taylor & Hobson Limited, assignee: *See*—
Reason, Richard E.

Taylor, William H., Lake Bluff, assignor to Sears, Roebuck and Co., Chicago, Ill. Fiberboard container for disk-shaped articles. 2,471,173, May 24.

Tecalemit Limited, assignee: *See*—
Le Clair, Camille C. S.

Telegraph Construction and Maintenance Company Limited, The, assignee: *See*—
Smith, Esmond W., and Presswell.

Terchick, Anthony W., assignee: *See*—
Terchick, Kathryn A.

Terchick, Kathryn A., assignor of one-half to A. W. Terchick, Venetia, Pa. Baby garment. 2,471,048, May 24.

Tewin Industries, Inc., assignee: *See*—
Higgins, Eric B.

Thermoid Company, assignee: *See*—
Allen, Dwight P., and Wise.

Thomas, Lewis A.: *See*—
Spencer, James A., and Thomas.

Thomas, Percy H., Washington, D. C., assignor to the United States of America as represented by the Chairman of the Federal Power Commission. Aerogenerator. 2,470,797, May 24.

Thorne, Cyril J., Los Angeles, Calif. Prosthetic device. 2,471,360, May 24.

Thornton, Arthur W., Pittsburgh, L. Stewart, McKeesport, and F. Susa, Pittsburgh, Pa. Apparatus for coating ingot molds. 2,471,049, May 24.

Tomkins, Douglass G.: *See*—
Peck, Edward B., and Tomkins.

Tompkins, Howard E., Media, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Magnetic transducer adapted to compensate for twisting of the record wire. 2,471,251, May 24.

Toulon, Pierre M. G., Neuilly-sur-Seine, France. Single-stage, high-gain amplifier. 2,471,252, May 24.

Toulon, Pierre M. G., Puteaux, France. Signal distributing system. 2,471,253, May 24.

Trebert, Henry L., Jr., Canandaigua, N. Y. Universal woodworking machine table. 2,471,014, May 24.

Trefs, Otto F., Philadelphia, Pa. Machinist's universal vise. 2,471,361, May 24.

Tremoiada, Guglielmo R., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Automatic wash pipe oiler for rotary swivels. 2,470,960, May 24.

Trimble, Robert A.: *See*—
Moore, Robert J., and Trimble.

Tri-State Engineering Company, assignee: *See*—
Colt, Burton C., Jr.

Tropical Plantations Limited, assignee: *See*—
Hitchock, Stanley L.

Trubenizing Process Corporation, assignee: *See*—
Eddy, Arnold.

Truesdell, Norman A., Scarboro Bluffs, Ontario, Canada. Antitheft lock for automobiles. 2,471,293, May 24.

Trumpler, William E., assignor to Clark Bros. Co., Inc., Olean, N. Y. Centrifugal compressor stability means. 2,471,174, May 24.

Tubbs, Irl L., Mount Vernon, assignor, by mesne assignments, to A. H. McIntyre, Cedar Rapids, Iowa, as trustee, and her successor trustees. Clevis pin. 2,471,175, May 24.

Turrettini, Fernand, Bellevue-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Device for the measurement of lengths. 2,471,050, May 24.

Tuttle, Arvin, Berkeley, Calif. Bending straight stripe into annular collars or flanges between a disk and oscillating rollers. 2,471,083, May 24.

Twatt, James: *See*—
Best, Frank P., Colchester, and Twatt.

Tway, Walter M., Maricopa County, Ariz. Wheel and tire dolly. 2,471,051, May 24.

Union Switch & Signal Company, The, assignee: *See*—
Gilson, Robert M.
Smith, Harry R.

United Aircraft Corporation, assignee: *See*—
Ledwith, Walter A.

United Shoe Machinery Corporation, assignee: *See*—
Elliott, Richard M.
Sabin, Ernest E.

United States Rubber Company, assignee: *See*—
Paul, Philip T.

Universal Oil Products Company, assignee: *See*—
Chenicek, Joseph A.
Johnstone, Warren W.
Mavity, Julian M.
Rosenwald, Robert H.
Shanley, William B.

Unschuld, Henry M., assignee: *See*—
Degner, Charles F.

Utility Appliance Corp., assignee: *See*—
Abbott, John H., and Anger.

Vannini, Philipp, assignor to Landis & Gyr, A. G., Zug, Switzerland. Card holder actuated time recorder. 2,470,961, May 24.

Vesterdal, Hans G., Elizabeth, N. J., assignor to Standard Oil Development Company. Hydrocarbon syntheals. 2,471,129, May 24.

Vesterdal, Hans G., Elizabeth, N. J., assignor to Standard Oil Development Company. Preparing an iron catalyst promoted with an alkali metal fluoborate. 2,471,130, May 24.

Victor Ring Traveler Company, assignee: *See*—
Joseph, Henry G.

Viles, Prentiss S., Goose Creek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Catalytic conversion of hydrocarbon oil. 2,471,131, May 24.

Vin, René, Paris, assignor to Société Etablissements Poron, Troyes, (Aube) France. Feeding apparatus for yarn or the like. 2,471,302, May 24.

Vincent, Dan B., Inc., assignee: *See*—
Vincent, Daniel B.

Vincent, Daniel B., assignor to Dan B. Vincent, Inc., Tampa, Fla. Making food products. 2,471,363, May 24.

Von Hoorn, Fred G., Nichols, Conn., assignor to General Electric Company. Time lag fuse link. 2,471,176, May 24.

Von Hoorn, Fred G. Nichols, Conn., assignor to General Electric Company. Renewable fuse. 2,471,177, May 24.

Waara, David H., Detroit, assignor to Robert L. Brown, Ferndale, Mich. Molding clip. 2,471,254, May 24.

Wagner, Julius A.: *See*—
Bertalan, Edward, and Wagner.

Wallwork, Alfred, assignor to Carlyle Sales Corporation, Charlotte, N. C. Weaving textile containers. 2,471,380, May 24.

Walsh, Robert, Wilmington, Del., assignor to General Electric Company. Air cleaning axial flow blower. 2,471,178, May 24.

Wannsmaker, William H., Jr.: *See*—
Caldwell, John A., Wannsmaker, Jr., and Kuntny.

Warner, Frank W.: *See*—
Gale, Marvin E., and Warner.

Warner, William R., assignor: *See*—
Page, Bruno.

Watten, Jack, London, England. Enclosed shaft drive. 2,471,015, May 24.

Watts, Raymond, assignor to American Steel Foundries, Chicago, Ill. Shock absorber. 2,471,294, May 24.

Weatherford, Heiskell, Jr., assignee: *See*—
Cooper, James H.

Weber, Jonah C., Lamar, Colo. Hay stacker. 2,471,364, May 24.

Wehr, William G., North Madison, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Crane cab. 2,471,295, May 24.

Wein, John F., Indianapolis, Ind., assignor to Radio Corporation of America. Spring mounted brake. 2,471,062, May 24.

Weisenburg, Andrew, Overbrook Hills, Pa., assignor to Continental Can Company, Inc., New York, N. Y. Machine for applying spots to bottle caps. 2,471,255, May 24.

Wemp, Ernest E., Detroit, Mich. Hydrokinetic torque converter. 2,471,179, May 24.

Wertzler, Richard: *See*—
Olson, Leonard E., and Wertzler.

Wescott, Harvey M., South Westport, Mass. Figurine ball projector. 2,470,962, May 24.

Western Electric Company, Incorporated, assignee: *See*—
Bertalan, Edward, and Wagner.
Dunn, John R.
Henning, George E.
Rayburn, Vincent A.

Westinghouse Electric Corporation, assignee: *See*—
Jernstedt, George W., and Ceresa.
Kusch, Polykarp.
Price, Towson.

Westmoreland-White, Beryl, assignor to Messrs. Hard Metal Tools Limited, Coventry, England. Hard compositions for use in tools and making. 2,471,016, May 24.

Weston Electrical Instrument Corporation, assignee: *See*—
Miller, John H.

Weyl, Bernard A., Pittsburgh, Pa. Attachment of buttons to fabric. 2,470,963, May 24.

Whinfield, John R.: *See*—
Cook, James G., Dickson, Lowe, and Whinfield.

White Cap Company, assignee: *See*—
Davies, Lynn E.

White, Glen L., Grosse Pointe, and C. H. Diedrich, assignors to Monroe Auto Equipment Company, Monroe, Mich. Vehicle seat construction. 2,470,907, May 24.

White, William S., Denver, Colo. Intermittent flush valve. 2,470,798, May 24.

Wickman, A. C., Limited, assignee: *See*—
Wickman, Axel C.

Wickman, Axel C., assignor to A. C. Wickman Limited, Coventry, England. Producing a sintered abrasive body. 2,471,132, May 24.

Wicks, Gerald C., Buenos Aires, Argentina. Electric water heater. 2,471,133, May 24.

Wilding, Lars A.: *See*—
Danielsson, Borje K., and Wilding.

Wiggins, Glenn F., Palo Alto, Calif. Portable garment holder or hanger. 2,470,879, May 24.

Wightman, Lawrance W., Fort Wayne, Ind., assignor to General Electric Company. Mechanism for adjusting shaft end play. 2,471,180, May 24.

Wilcox, Howard A.: *See*—
Marlowe, Elbert W., and Wilcox.

Wilcox, Isaac L.: *See*—
Horning, Raymond H., and Wilcox.

Wilcox, Isaac L., assignor to Oswego Falls Corporation, Fulton, N. Y. Container. 2,471,017, May 24.

Wilcox, Marion J.: *See*—
Hall, Ralph E., and Wilcox.

Wilcox, Marion J., Harvey, Ill., and R. E. Hall, East Chicago, Ind., assignors to Sinclair Refining Company, New York, N. Y. Fluidized catalytic conversion of hydrocarbons. 2,471,084, May 24.

Wilcox, Marion J., Harvey, Ill., and R. E. Hall, East Chicago, Ind., assignors to Sinclair Refining Company, New York, N. Y. Fluid catalyst process for the conversion of hydrocarbons. 2,471,085, May 24.

Williams, Alfred O.: *See*—
Burrows, Robert J., and Williams.

Williams, Maynard A., assignee: *See*—
Smith, Herman A.

Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Relay. 2,471,181, May 24.

Wintermute, Vern M., North Plainfield, assignor to Lyte Parts, Company, Plainfield, N. J. Radio antenna. 2,471,256, May 24.

Winthrop-Stearns Inc., assignee: *See*—
Clark, Thomas S. H.
Schulz, Frederick J.

Wisconsin Alumni Research Foundation, assignee: *See*—
Johnson, William S., Petersen, and Gutsche.
Stahmann, Mark A., and Link.

Wise, Royale: *See*—
Allen, Dwight P., and Wise.

Witteoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Rosin acid esters. 2,470,964, May 24.

Woods, Harold A., W. J. Yates, and L. Klingen, Martinez, and R. C. Barton, Piedmont, assignors to Shell Development Company, San Francisco, Calif. Manufacture of grease. 2,470,965, May 24.

Woodward, Henry P. J., assignee: *See*—
Hunt, Ernest W.

Worth, Thomas F., Lynn, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,471,182, May 24.

Wright, Richard O., Elizabeth, N. J., assignor to Standard Oil Development Company. Fractionation apparatus. 2,471,184, May 24.

Wurtele, Richard K., assignee: *See*—
Taylor, John R.

Wyeth, Nathaniel, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle. 2,471,135, May 24.
Yates, Wallace J.: *See*—
Woods, Harold A., Yates, Klingen, and Barton.
Yurick, Francis J.: *See*—
Yurick, Joseph, and F. J.
Yurick, Joseph, and F. J., Shamokin, Pa. Safety device for blasting caps. 2,471,381, May 24.
Zenith Radio Corporation, assignee: *See*—
Knowles, Hugh S.
Zimbelman, George W., Signal Mountain, and R. Shelton, Red Bank, assignors to Samuel Stamping and Enameling Company, Chattanooga, Tenn. Sheet-metal gas burner. 2,470,880, May 24.
Zimbelman, George W., Signal Mountain, assignor to Samuel Stamping and Enameling Company, Chattanooga, Tenn. Porcelain-coated gas burner. 2,470,881, May 24.
Zuschlag, Theodore, West Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Magnetic testing with artificial standard. 2,470,839, May 24.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Motor vehicle stabilising means. C. C. Utz. Re. 23,116, May 24.
Plant regulant composition and method. J. F. Lontz. Re. 23,115, May 24.
Stop motion in circular looms, Thread operated. V. M. J. Ancet. Re. 23,114, May 24.

LIST OF PLANT INVENTIONS

Rose plant. R. L. Byrum. 838–9, May 24.
Rose plant. V. Sodano. 840, May 24.

LIST OF DESIGN INVENTIONS

Atomizer, Perfume. H. Anbender and W. J. Weinstein. 153,840, May 24.
Band-saw machine. T. Farrell. 153,867, May 24.
Base, Floor lamp. I. I. Gotliffe. 153,873, May 24.
Boat. V. K. Williamson. 153,910, May 24.
Boot, Ladder. W. P. Regan. 153,900, May 24.
Bowl, Lighting. H. J. Claspy. 153,856, May 24.
Bracelet or similar article. A. Katz. 153,879, May 24.
Bracket, Automobile lamp support. S. H. Lapidus. 153,883, May 24.
Bracket, Electric light wall. A. A. Johnson. 153,878, May 24.
Buckle member, Leather strap. L. Oppenheimer. 153,895, May 24.
Building. J. V. Avila. 153,841, May 24.
Bus. G. S. Lawson. 153,884, May 24.
Carrier, Bottle. J. K. Laier. 153,882, May 24.
Chair. W. N. Brasaneki. 153,850, May 24.
Chair. F. D. Hager. 153,876, May 24.
Chair, Child's foldable. G. E. Frush. 153,870, May 24.
Cup. A. T. Macaulay. 153,887, May 24.
Dispenser for powdered materials. J. F. De Sales. 153,861, May 24.
Dutch oven. A. D. Mortrude. 153,894, May 24.
Eyecup. S. T. Bonilla. 153,847, May 24.
Fabric, Textile. B. J. Greenbaum. 153,874, May 24.
Faucet unit, Double acting sink valve. M. Smolensky. 153,907, May 24.
Figure, Ball boat shelf. E. R. Bartolomeo. 153,843, May 24.
Fire extinguishing grenade and holder, Combined. A. Cisek. 153,854, May 24.
Fixture, Electric lighting. M. M. Dunbar. 153,864, May 24.
Fixture, Incandeacent lighting. C. C. Braun. 153,849, May 24.
Fixture, Light. J. L. Libby. 153,885, May 24.
Font of printing type. D. Peterson. 153,897, May 24.
Globe, Lighting. H. J. Claspy. 153,855, May 24.
Guard, Capping machine. M. S. Resina. 153,903, May 24.
Guard, Combined bumper and fog light housing. E. F. Rygasewics. 153,904, May 24.
Gun, Spray. S. E. Edelstone and A. L. Jenks. 153,865, May 24.
Handle, Toaster. J. O. Reinecke. 153,902, May 24.
Heater for food products. A. F. Stolitzka. 153,908, May 24.
Heater, Solid fuel burning room. D. H. Wyatt. 153,911, May 24.
Holder, Cosmetic. W. B. Crane. 153,859, May 24.
Housing, Speaker. R. F. Poorman. 153,899, May 24.
Housing, Temperature and humidity indicator. G. L. Becksirom. 153,846, May 24.
Knife and sciasors sharpener, Combination. C. W. Lynch. 153,886, May 24.
Lamp, Taxicab cruising. R. W. Garrett. 153,871–2, May 24.
Locomotive body. R. Patten. 153,896, May 24.
Molding machine, Injection. A. C. Carleon. 153,852, May 24.
Name plate, Burial vault. L. S. Bassley. 153,844, May 24.
Nut cracker. J. K. Martens. 153,888, May 24.
Opener, Letter. G. L. Beckstrom. 153,845, May 24.
Ornament or similar article, Automobile hood. W. H. Johnsen. 153,877, May 24.
Panel, Fence. N. J. Hays. 153,876, May 24.
Pen, Ball, or similar article. S. M. Sager. 153,905, May 24.
Pipe, Smoker's. F. F. Flint. 153,869, May 24.
Press, Hydraulic. H. V. Mills. 153,892, May 24.
Projector apparatus and carrying case therefor, Combined portable motion-picture. W. C. De Vry. 153,863, May 24.
Projector machine and carrying case therefor, Combined portable motion-picture. W. C. De Vry. 153,862, May 24.
Push-chair, Child's. H. R. Shaw. 153,906, May 24.
Radio receiver. G. H. Kress. 153,881, May 24.
Receptacle for fire extinguishing grenades. A. Cisek. 153,853, May 24.
Refrigeration unit, Self-contained. E. W. Ekstrand. 153,866, May 24.
Ring, Curtain or drapery festoon. M. J. Pollak. 153,898, May 24.
Ring or kindred article, Finger. J. B. Fishburne. 153,868, May 24.
Shoe or similar article. L. J. Martin. 153,889, May 24.
Shoe or similar article. J. Matrick. 153,890, May 24.
Shoeshine machine, Automatic. C. Bader. 153,842, May 24.
Spoon or other article of flatware. S. P. Kaufman. 153,880, May 24.
Stand, Combined telephone, and lamp. J. Dern and J. H. Harris. 153,860, May 24.
Stand for coffee maker. J. E. Comeau and H. C. Mitchell. 153,857, May 24.
Taxicab. L. Brodton. 153,851, May 24.
Toaster. J. O. Reinecke. 153,901, May 24.
Top for vehicle body. N. D. Conner. 153,858, May 24.
Tray and stand nestable unit, Service. W. E. Wats. 153,909, May 24.
Truck, Tank. T. G. Branham. 153,848, May 24.
Washing machine and wringer, Combined. J. Morgan. 153,893, May 24.
Writing instrument or the like. S. J. Meno. 153,891, May 24.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine. C. J. Goodale and H. B. Marvin. 2,471,150, May 24.
Acid eaters, Rosin. H. Wittcoff. 2,470,964, May 24.
Acid, Manufacture of sulfuric. H. F. Marriam. 2,471,072, May 24.
Acid, Nonanoic. A. A. Pavlic. 2,470,859, May 24.
Acids, Preparation of aliphatic. R. S. Spindt and D. R. Stevens. 2,470,876, May 24.
Acids, Recovery of by-product. W. E. Hanson. 2,470,849, May 24.
Adjustable beam lamp. H. L. and O. C. Kindorf. 2,470,991, May 24.
Aerochemical device. F. Short. 2,470,793, May 24.
Aerogenerator. P. H. Thomas. 2,470,797, May 24.
Aircraft control system. A. G. Parker. 2,471,283, May 24.
Air distribution control for bridge wall furnaces, Secondary combustion. C. E. Feinberg. 2,471,101, May 24.
Airflow control apparatus for cabin pressurizing and engine supercharging. D. G. Taylor. 2,471,292, May 24.
Aldehyde - polycyanoacetamido - compound condensation products and making same. J. B. Rust. 2,471,243, May 24.
Alkyd resin-oxidised butadiene polymer emulsion. J. W. Robertson and J. B. Rust. 2,470,953, May 24.
Alkylation catalysed by liquid hydrogen fluoride. S. T. Hadden. 2,471,211, May 24.
Alkylation of phenols. R. H. Rosenwald. 2,470,902, May 24.
Alloy: *See*—
Glass sealing alloy.
Alloy addition agents. A. Lins. 2,470,935, May 24.
Alloys, Manufacture of. T. Price. 2,470,7b0, May 24.
Alloys, Zinc base. E. S. Bunn. 2,471,385, May 24.
Alpha iron oxide-alkali metal ferrate catalyst and preparation. M. A. Mosseman. 2,470,785, May 24.
Alternating current generator. C. S. Roys. 2,471,286, May 24.
Alumina gel pellets. J. E. Messenger. 2,471,000, May 24.
Amine salts as fungicides and bactericides, Long-chain. A. Minich and M. Nowak. 2,471,339, May 24.
Amino acid extraction. H. J. Almquist and J. G. Davis. 2,471,059, May 24.
Ammonia recovery in soda ash production. J. R. Taylor. 2,471,013, May 24.
Amplifier, Single-stage, high-gain. P. M. G. Toulon. 2,471,252, May 24.
Animal trap. C. L. Leonard. 2,470,858, May 24.
Antenna, Radio. D. Jackson. 2,471,215, May 24.
Antenna system, Directive. W. T. Rea. 2,471,284, May 24.
Antenna system, Ultra high frequency. H. Selvidge. 2,471,045, May 24.
Apparatus for advancing nonmetallic plastic material. G. E. Henning. 2,471,324, May 24.
Apparatus for chilling fluids. S. Lo Gerfo. 2,470,936, May 24.
Apparatus for clarifying fluids. B. Page. 2,470,943, May 24.
Apparatus for coating ingot molds. A. W. Thornton, L. Stewart, and F. Susa. 2,471,049, May 24.
Apparatus for coating pipe. R. C. Stromquist. 2,470,796, May 24.
Apparatus for dehumidification. B. G. Peters. 2,471,376, May 24.
Apparatus for drafting textile fibers. W. F. Bird. 2,471,066, May 24.
Apparatus for feeding batch to glass melting furnaces. E. H. Lorenz. 2,471,336, May 24.
Apparatus for feeding powdered material. H. G. Hughey. 2,470,819, May 24.
Apparatus for forming the ends of wood pieces. J. W. Swenson. 2,470,969, May 24.
Apparatus for measuring or indicating the roughnesses or undulations of surfaces. R. E. Reason. 2,471,009, May 24.
Apparatus for packing products of variable weight. E. H. Carruthers. 2,470,976, May 24.
Apparatus for selectively packing products of variable weight. E. H. Carruthers. 2,470,916, May 24.
Apparatus for the desiccation of organic substances. F. E. Hurd. 2,471,035, May 24.
Apparatus for use in obstetrics, Electrical. F. Benoit. 2,470,970, May 24.
Apron. H. J. Lee. 2,471,331, May 24.
Aqueous emulsions of mixed phthalic glyceride and melamine-formaldehyde resins. D. W. Light. 2,471,396, May 24.
Armature structure for electromagnetic apparatus. P. F. Beer. 2,471,365, May 24.
Article of apparel and making same. A. Eddy. 2,471,203, May 24.

Article of furniture, Reclining. A. Lorenz. 2,470,781, May 24.
Asymmetric scorsby and operation. R. Haskins, Jr. 2,470,773, May 24.
Athletic apparatus. R. W. W. Harvey. 2,470,815, May 24.
Attachment for beverage containers, Table. T. E. Foulke. 2,471,030, May 24.
Attachment for cans, Strainer and spout. F. Bartels. 2,471,189, May 24.
Attachment for lathes, Headstock. G. C. Schmanies and E. C. Schwalbach. 2,470,871, May 24.
Attachment for metal turning machines, Work centering. E. Luginbuhl. 2,471,038, May 24.
Attachment for motor-driven vehicles, such as tractors, Hoisting. W. C. Lathers, Jr. 2,470,857, May 24.
Attachment of buttons to fabric. B. A. Weyl. 2,470,963, May 24.
Audiometer for air and bone conducting receivers having a scale with a single zero hearing loss reference. R. E. Allison. 2,471,136, May 24.
Automatic rope lock. M. Lomner. 2,471,335, May 24.
Axial flow blower, Air cleaning. R. Walsh. 2,471,178, May 24.
Bag: *See*—
Golf bag.
Siftproof bag.
Bag stand. C. A. Chidsey, Jr. 2,470,977, May 24.
Balanced variable reactance device. R. V. Langmuir and P. H. Peters, Jr. 2,471,155, May 24.
Base structure for electron tubes. R. L. Norton. 2,471,005, May 24.
Bathtub, Collapsible. N. M. Boward. 2,471,302, May 24.
Battery charger and rectifier therefor. A. L. Shapiro. 2,471,011, May 24.
Bearing journal, Composite floating. K. W. Atwater. 2,471,187, May 24.
Beauty parlor rolling auxiliary chair. J. W. Adams. 2,471,163, May 24.
Bed, Folding. W. Jasinski. 2,470,930, May 24.
Belt-applying tool. J. R. and A. L. Engard. 2,470,810, May 24.
Bench, Collapsible. F. J. Schmidt. 2,470,869, May 24.
Bending straight strips into annular collars or flanges between a disk and oscillating rollers. A. Tuttle. 2,471,083, May 24.
Berth arrangement. B. E. Jones. 2,470,853, May 24.
Bin, Grading machine. M. Lupton. 2,471,225, May 24.
Blank for shoe uppers. E. Cassano. 2,471,366, May 24.
Blind stitching apparatus. S. J. Birginal. 2,470,914, May 24.
Block: *See*—
Concrete curb block.
Board: *See*—
Distribution board.
Bolster for vehicles, Disappearing. V. L. Colorigh. 2,471,096, May 24.
Bomb, Safety pressure detonator. R. E. Mitton. 2,471,163, May 24.
Borge gauge. E. H. Aldeborgh and A. H. Emery. 2,470,755, May 24.
Boring and beveling machine, Piston ring. H. M. Olson. 2,471,006, May 24.
Bottle-sterilising arrangement. O. H. Brewster. 2,471,303, May 24.
Box: *See*—
Folding berry box.
Brace, Portable drill. J. E. Gay. 2,471,208, May 24.
Bracket. A. E. Nelson. 2,471,342, May 24.
Bracket for mounting rollers on overhead doors. H. B. Clark. 2,471,197, May 24.
Brake: *See*—
Spring mounted brake.
Brake mounting and control. O. R. and R. A. Peterson. 2,471,346, May 24.
Brake rigging. T. C. Crossman. 2,471,313, May 24.
Brake rigging with beam-retracting spring. F. Schaefer. 2,471,287, May 24.
Braking apparatus, Railway. R. M. Gilson. 2,471,320, May 24.
Braking system for motorcars. J. L. Self. 2,471,244, May 24.
Brassière and similar garment. E. W. Gluckin. 2,470,847, May 24.
Bread cooling and proofing rack. J. M. Dunston. 2,470,765, May 24.
Bridle. F. D. Reed, Jr. 2,471,121, May 24.
Brush, Bath. H. Griffin. 2,471,210, May 24.
Buoy, Plane marker. V. A. Mead. 2,470,783, May 24.

Burner: *See*—
Oil burner.
Sheet-metal gas burner.
Porcelain-coated gas burner.
Burner control system. W. L. McGrath. 2,470,998, May 24.
Butter dispenser. R. E. Dodge. 2,471,309, May 24.
Button, Combination. F. Haley. 2,470,960, May 24.
Button or ornament, Fur. M. J. Schifrin. 2,470,868, May 24.
Cab, Crane. W. G. Webr. 2,471,295, May 24.
Cabinet having combined doors and slidable shelf. M. L. Kramer. 2,470,993, May 24.
Cable forming machine. E. Bertalan and J. A. Wagner. 2,471,299, May 24.
Calcium cadmium silicate phosphor. J. H. Schulman. 2,471,082, May 24.
Caloric adjusting. A. L. M. A. Rouy. 2,471,123, May 24.
Can and cover keeper, Garbage. R. G. Blank. 2,471,257, May 24.
Can extractor. E. Laxo. 2,471,156, May 24.
Capacitor, Fixed. W. McMahon. 2,470,826, May 24.
Capsulating method and apparatus. V. V. Stephenson. 2,471,358, May 24.
Card and package, Display. S. R. Gittens. 2,471,321, May 24.
Carrier: *See*—
Stack carrier.
Carrier for automobiles, Boat. G. C. Guest. 2,470,846, May 24.
Carrier operating mechanism, Wrapper. J. F. Halstead. 2,471,359, May 24.
Caster, Trailer. S. R. Du Bris. 2,470,978, May 24.
Catalyst process for the conversion of hydrocarbons, Fluid. M. J. Wilcox and R. E. Hall. 2,471,085, May 24.
Catalyst quality by magnetic separation. H. J. Ogorzaly. 2,471,078, May 24.
Catalysts from product streams, Removal of soluble. E. H. Amick, Jr. 2,471,064, May 24.
Catalytic conversion of hydrocarbons, Fluidized. M. J. Wilcox and R. E. Hall. 2,471,084, May 24.
Catalytic system, Continuous. T. P. Simpson, J. W. Payne, and J. A. Crowley, Jr. 2,471,398, May 24.
Cathode cup construction. E. J. Atlee. 2,471,298, May 24.
Caulking plug. E. W. N. Boosey. 2,471,301, May 24.
Cellulose ether plasticised with a cyclomethylene sulfone, Water-soluble. G. W. Hooker and N. R. Peterson. 2,471,272, May 24.
Cementing device, Well. W. S. Althouse, Jr., and E. Graham, Jr. 2,471,382–3, May 24.
Cementitious materials, Impregnating and decorating. L. Chunn. 2,470,918, May 24.
Chair: *See*—
Beauty parlor rolling auxiliary chair.
Infant's chair.
Chair with tilting back and automatically shiftable seat. R. A. Cramer. 2,471,024, May 24.
Chopper and cultivator, Cotton. J. V. Schug. 2,471,377, May 24.
Christmas tree stand. H. A. Smith. 2,471,124, May 24.
Chuck, Crankshaft. W. R. Meyer and H. J. Siekmann. 2,471,162, May 24.
Cigar machine. J. P. Dorning. 2,470,766, May 24.
Circuit: *See*—
Index pulse generating circuit.
Seismograph blaster time breaker circuit.
Receiver input circuit.
Circuit arrangement for modulating an electric signal. G. Hepp. 2,470,893, May 24.
Circuit for measuring, Alternating current compensator. G. V. A. Gustafsson and J. D. Malmqvist. 2,471,105, May 24.
Clamp: *See*—
Adjustable beam clamp.
Clamp. C. S. Card. 2,471,305–6, May 24.
Clamp for conduit supports, Beam. H. L. and O. C. Kindorf. 2,470,992, May 24.
Clasp, Bracelet. D. Block. 2,471,300, May 24.
Clay, Preparation of acid activated. R. B. Secor. 2,470,872, May 24.
Cleaner: *See*—
Pipe cleaner.
Rake cleaner.
Cleaning device for fuses and fuse holders. A. J. Parker. 2,471,236, May 24.
Clevis pin. I. L. Tubbe. 2,471,175, May 24.
Clip: *See*—
Molding clip.
Towel clip.
Clip for attaching molding to automobile bodies and fenders. J. Stadler. 2,471,247, May 24.
Clothespin. E. P. Ashcroft. 2,471,186, May 24.
Clothespin. C. Castelli. 2,471,141, May 24.
Coal handling system. E. Ramsay. 2,471,042, May 24.
Coat hanger. F. Pasznicki. 2,471,007, May 24.
Coating pipe. R. C. Stromquist. 2,470,956, May 24.
Coating porous sheets, Continuously. G. D. Knight and B. W. Rowland. 2,471,330, May 24.
Collar construction, Shirt. E. C. Pfeffer, Jr. 2,470,960, May 24.
Comb. A. B. Mensing. 2,471,279, May 24.
Combination tool. R. R. Boshaw. 2,471,101, May 24.
Combined ohmmeter and illumination meter. J. H. Miller. 2,471,001, May 24.
Communicating door lock. H. S. Harvey. 2,470,770, May 24.
Communication system, Electrical. P. Curry. 2,470,760, May 24.
Communication system, Radio. E. H. B. Bartelink. 2,471,138, May 24.
Compass, Beam. J. E. Brower. 2,471,193, May 24.
Compressor stability means, Centrifugal. W. E. Trampler. 2,471,174, May 24.
Computing sight. R. M. Elliott. 2,471,204, May 24.
Concrete curb block. E. C. Maccario. 2,471,226, May 24.
Conduit section, Severable electrical. J. F. O'Brien and E. S. Boynton. 2,470,788, May 24.
Connecting device. B. N. Ashton. 2,470,800, May 24.
Connector: *See*—
Flexible connector.
Container: *See*—
Shipping container.
Container. L. L. Wilcox. 2,471,017, May 24.
Container construction. R. H. Horning and I. L. Wilcox. 2,470,984, May 24.
Container for disk-shaped articles, Fiberboard. W. H. Taylor. 2,471,173, May 24.
Control arrangement for absorption refrigeration systems. A. A. Berestneff. 2,470,756, May 24.
Control device, Thermoelectric. W. A. Ray. 2,470,864, May 24.
Control for telephone coin collectors, Toll operator. G. A. Anderson. 2,471,087, May 24.
Control of textile fibers during drafting operations. W. F. Bird. 2,471,068, May 24.
Control system. E. P. Newman. 2,471,343, May 24.
Control system, Electric remote selective. L. E. W. Montrose-Oster. 2,471,075, May 24.
Conversion of hydrocarbon oil, Catalytic. P. S. Viles. 2,471,131, May 24.
Conversion of hydrocarbons, Fluidized catalytic. R. E. Hall and M. J. Wilcox. 2,471,034, May 24.
Converter and error detector, Code. J. A. Spencer and L. A. Thomas. 2,471,126, May 24.
Converter, Hydrokinetic torque. E. E. Wemp. 2,471,179, May 24.
Conveyer. V. A. Rayburn. 2,471,347, May 24.
Conveyer system, Work distributing. J. R. Dunn. 2,470,922, May 24.
Coolant for metal machining processes. A. J. Björkaten and T. C. Crowley. 2,470,913, May 24.
Coupling: *See*—
Rotary turbine type fluid coupling.
Separable fluid coupling.
Coupling feeler, Flexible sewer rod. R. E. Cooper. 2,471,060, May 24.
Coupling of the ball-and-socket type. H. B. Scholten. 2,470,870, May 24.
Crankcase oil heater. S. Boger. 2,470,972, May 24.
Crossing, construction, Railroad-highway. E. C. Oxenrider. 2,471,167, May 24.
Cushion, Detachable seat. J. E. Horn. 2,470,929, May 24.
Cutter: *See*—
Paper cutter.
Cutter for transfer molding devices, Sprue. M. E. Gale and F. W. Warner. 2,471,146, May 24.
Cyclic sulfides, Production of. R. J. Moore and R. A. Trimble. 2,471,077, May 24.
Deep well pump. C. F. Degner. 2,470,858, May 24.
Deer call. H. F. Luch. 2,470,823, May 24.
Dentifrice. R. Taylor. 2,470,906, May 24.
Derivatives of etiocholenic acid, Manufacture of. W. C. J. Ross. 2,470,903, May 24.
Device for converting a signal of variable amplitude into pulses of constant frequency and variable duration. K. Posthumus. 2,471,166, May 24.
Device for determining the depth of liquids. L. D. Eby. 2,471,026, May 24.
Device for heating, cooling, or radiating liquids. R. del Cueto. 2,470,806, May 24.
Device for the measurement of lengths. F. Turrettini. 2,471,050, May 24.
Die head, Self-opening. R. M. Strickland. 2,471,250, May 24.
Diols and ester derivatives thereof, Preparation of. C. W. Smith. 2,471,391, May 24.
Di(orthoacylaminoaryl) disulfide softeners for isoolefin-diolefin copolymers. P. T. Paul. 2,470,940, May 24.
Di(orthoacylaminoaryl) disulfide softeners for rubbers. P. T. Paul. 2,470,945, May 24.
Di(orthoacylaminoaryl) disulfide softeners for rubbers. P. T. Paul. 2,470,948, May 24.
Discharge device, Electron. P. Kusch. 2,470,856, May 24.
Discharge device, Ionic. C. Depew. 2,471,263, May 24.
Discharging apparatus for farm wagons, Load. R. A. Piper. 2,470,836, May 24.
Dispenser: *See*—
Butter dispenser.
Dispensing apparatus. C. M. Asbill, Jr. 2,471,055, May 24.
Dispensing apparatus. R. E. Dodge. 2,471,100, May 24.
Display device, Animated. G. F. Mohr. 2,471,002, May 24.
Distance indicater. C. F. Davis, Jr. 2,470,807, May 24.
Distribution board. S. Bromsield. 2,470,884, May 24.
Distributer, Gathering machine. E. S. Hope. 2,471,214, May 24.
Dolly, Wheel and tire. W. M. Tway. 2,471,061, May 24.

Door: *See*—
Furnace door.
Door hook. J. A. Bierwirth and F. Klaeden. 2,471,089, May 24.
Dough handling machine. H. W. Maull and J. H. Sauter. 2,471,112, May 24.
Drafting textile fibers, Method and apparatus for. W. F. Bird. 2,471,057, May 24.
Drier: *See*—
Hair drier.
Drill jack. S. H. McAfee, Jr. 2,471,374, May 24.
Dry dock, Floating. F. R. Harris. 2,471,065, May 24.
Dual purpose sleeve-spring spring jack. J. E. Bosh. 2,470,916, May 24.
Dynamoelectric machine. P. I. Chandeysson. 2,470,845, May 24.
Dynamoelectric machine. T. M. Linville. 2,471,157, May 24.
Dynamoelectric machine. T. F. Worth. 2,471,182, May 24.
Dynamoelectric machine, Adjustable speed. W. R. Goss. 2,471,151, May 24.
Educational device. M. Green. 2,471,271, May 24.
Electric switch. J. L. Mohar. 2,471,040, May 24.
Electric water heater. G. C. Wicks. 2,471,133, May 24.
Electrical apparatus. W. H. Busney. 2,470,976, May 24.
Electrical fluid heater. H. P. Chapman. 2,471,260, May 24.
Electrically actuated heater. H. P. Chapman. 2,471,259–60, May 24.
Electrode holder. E. F. Morrissey. 2,471,340, May 24.
Electron counter. T. Colson. 2,470,920, May 24.
Electron discharge device employing cavity resonators. R. R. Law. 2,471,087, May 24.
Electronic apparatus. L. C. Smith. 2,471,246, May 24.
Electronic counter. W. A. Gieseke. 2,470,926, May 24.
Electroplating nickel and cobalt with periodic reverse current. G. W. Hernstedt and M. Ceresa. 2,470,775, May 24.
Engine mount and accessory coupling, Detachable. C. E. Patterson. 2,471,118, May 24.
Engine protective device. J. H. Cooper. 2,471,387, May 24.
Enrichment composition. T. S. H. Clark. 2,470,804, May 24.
Exercising device. R. W. W. Harvey. 2,470,816, May 24.
Extractor: *See*—
Can extractor.
Fastener for window screens and storm sashes. L. C. MacDonald. 2,471,159, May 24.
Fastening device. H. A. Flogaus. 2,470,924, May 24.
Fastening means. W. C. Hale, Jr. 2,470,927, May 24.
Feeding apparatus for yarn or the like. R. Vin. 2,471,362, May 24.
Ferro-ferric oxide-alkali metal ferrate catalyst and its preparation. M. A. Mosesman. 2,470,786, May 24.
File, Card index. A. G. and N. H. Lundqvist. 2,470,824, May 24.
Filter: *See*—
Oil or liquid filter.
Fish scoring machine. E. W. Davis. 2,471,062, May 24.
Fishline sinker. B. J. Lesser. 2,470,995, May 24.
Fishing lure. T. G. Prentice. 2,470,861, May 24.
Flashlight switch. O. Gray and H. Lewis. 2,471,032, May 24.
Flask, Dental. T. F. Fagan. 2,471,205, May 24.
Flexible connector. S. Keller and D. W. Fentress. 2,470,989, May 24.
Flint holder. I. Florman. 2,471,206, May 24.
Fluidized shale autothermic distillation. E. B. Peck and D. G. Tomkins. 2,471,119, May 24.
Fluids, Noncorrosive hydraulic. W. Schleainger and P. Becher. 2,470,792, May 24.
Flushing composition for engine lubricating systems. J. D. Morgan and R. E. Lowe. 2,471,290, May 24.
Flux, Soft soldering. J. E. Strader. 2,470,957, May 24.
Folding berry box. J. Gagnon. 2,471,147, May 24.
Folding lap table. W. Monahan. 2,471,003, May 24.
Folding machine. M. D. Alber. 2,470,754, May 24.
Folding machine. L. E. Dickenson. 2,470,762, May 24.
Food products, Making. D. B. Vincent. 2,471,363, May 24.
Forming threaded caps, Method and apparatus for. L. R. N. Carvalho. 2,471,307, May 24.
Fractionation apparatus. R. O. Wright. 2,471,134, May 24.
Frame: *See*—
Interchangeable eye lens frame.
Friction shock absorbing mechanism. G. E. Dath. 2,471,061, May 24.
Froth flotation of apatite using calcium silicate. S. P. Moyer. 2,471,341, May 24.
Froth flotation of sulfide ores. R. B. Booth and R. A. Pickens. 2,471,384, May 24.
Fuel saving device. C. Spaw. 2,471,012, May 24.
Furnace door. H. R. Lozierman. 2,471,275, May 24.
Fuse link, Time lag. F. G. von Hoorn. 2,471,176, May 24.
Fuse, Renewable. F. G. van Hoorn. 2,471,177, May 24.
Game piece, Chance controlled hemispherical. H. Desaniers. 2,471,202, May 24.
Gamma iron oxide-alkali metal ferrate and preparation. M. A. Mosesman. 2,470,784, May 24.
Garment. H. L. Redmond. 2,471,348, May 24.
Garment, Baby. K. A. Terchick. 2,471,048, May 24.
Garment, Child's. C. Ackerman. 2,471,086, May 24.
Gauge: *See*— Valve clearance gauge.
Bore gauge.
Gauge and the like, Micrometer. L. E. Glover. 2,471,322, May 24.
Gearing for driving a plurality of spindles. A. Illsche. 2,470,985, May 24.
Generating system for automobiles, Emergency. J. M. Parsinger. 2,470,898, May 24.
Generator: *See*—
Alternating current generator.
Glass sealing alloy. C. B. Post and W. S. Eberly. 2,471,079, May 24.
Golf bag. L. Salsberg and E. J. Hughes, Jr. 2,471,169, May 24.
Golf tee, Flexible. H. D. Hendricks. 2,470,817, May 24.
Grease, Manufacture of. H. A. Woods, W. J. Yates, L. Klingen, and B. C. Barton. 2,470,965, May 24.
Guard for outboard motors, Propeller. H. A. Sidney. 2,470,874, May 24.
Guard, Nonmetal nose. A. E. Devoe. 2,471,063, May 24.
Guide, Electric ironing cord. G. A. Corbliss. 2,471,312, May 24.
Guide, Radio wave. W. E. Bradley. 2,471,021, May 24.
Gun sight. A. H. Evans. 2,471,027, May 24.
Gun sight control. L. A. Meacham. 2,471,278, May 24.
Gun with integral breech bolt and hand grip, Magazine. C. J. Manville. 2,471,276, May 24.
Hair drier. S. O. Moore. 2,470,833, May 24.
Hammer mill with power-driven impactor surfaces, Reversible. E. H. Keiper. 2,471,068, May 24.
Hanger: *See*—
Coat hanger.
Hard compositions for use in tools and making. B. Westmoreland-White. 2,471,016, May 24.
Hay stacker. J. C. Weber. 2,471,364, May 24.
Head for cotton harvesting machines, Gathering. G. C. Curtis. 2,471,314, May 24.
Hearing aid unit, Flexible-surfaced bone conduction. H. S. Knowles. 2,470,933, May 24.
Heat actuated device. H. N. Rider. 2,471,240, May 24.
Heat exchanger. A. J. and I. F. Fausek. 2,471,317, May 24.
Heat transfer system, Thermomotive modulating. M. E. Fiene. 2,471,146, May 24.
Heat treatment. J. J. Kanter. 2,470,988, May 24.
Heater: *See*— Incandescent electric heater.
Crankcase oil heater.
Electric water heater.
Electrical fluid heater.
Electrically actuated heater.
Heater. W. C. Parrish. 2,470,860, May 24.
Heater unit for fireplaces, Dual hot-air. R. D. Russell. 2,471,351, May 24.
Heater with air circulating blower, Warm air space. M. C. McAfee. 2,470,938, May 24.
Heating tool. M. L. Kovac. 2,470,854, May 24.
Hitch, Safety. E. D. Presdorf. 2,470,862, May 24.
Hitch, Trailer. R. W. Barrington. 2,470,842, May 24.
Hitch, Truck. E. F. Andrews. 2,471,184, May 24.
Hoisting and lifting device. W. J. Harrington. 2,471,323, May 24.
Holder: *See*— Sickbed waste receptacle holder.
Electrode holder.
Flint holder. Watch movement holder.
Magnetic work holder.
Map and key holder.
Holder and releaser, Bag. L. O. Jones. 2,471,218, May 24.
Holder for small articles, Sanitary. L. A. Casnati. 2,471,308, May 24.
Holder for dispensing containers. C. H. Goodpasture. 2,470,890, May 24.
Holder or hanger, Portable garment. G. F. Wiggins. 2,470,879, May 24.
Honing and stropping mechanism, Razor. C. Romano and F. Schmid. 2,471,355, May 24.
Hook: *See*—
Door hook.
Hook. R. W. Tate. 2,470,878, May 24.
Hose. P. K. Saunders. 2,471,081, May 24.
Hydraulic system for self-loading trucks. A. Lankovski and M. Graves. 2,470,778, May 24.
Hydrocarbon synthesis. H. G. Vesterdal. 2,471,129, May 24.
Hydrocarbons and hydrogen, Production of unsaturated. E. J. Gohr. 2,471,104, May 24.
Hydrocarbons, Production of. E. V. Mathy. 2,471,228, May 24.
Hydroxy organic acids, Separation of. W. E. Barch. 2,470,841, May 24.
Improved fibrous materials and the materials thus obtained, Manufacture of. L. Orthner, G. Balle, H. Schild, M.-O. Schürmann, K. Brodersen, and M. Quaedvlieg. 2,471,039, May 24.
Improving the properties of precipitation hardenable castings. W. A. Reich. 2,470,791, May 24.
Incandescent electric heater. J. I. Stein. 2,471,123, May 24.

Index pulse generating circuit. W. L. Gaines. 2,471,268, May 24.
Indicating device. W. T. Haswell, Jr. 2,470,774, May 24.
Indicator: *See*—
Distance indicator.
Indicator for floating dry docks, Water level. F. R. Harris. 2,470,850, May 24.
Infant's chair. L. C. Peltier. 2,470,834, May 24.
Inflated articles, Making. F. H. Kennedy. 2,470,990, May 24.
Injection device. F. O. Chaffee. 2,471,142, May 24.
In-line fluid pump. R. E. Snyder. 2,470,794, May 24.
Instrument, Angular and linear calculating. E. W. Hunt. 2,471,327, May 24.
Instrument, Electrical control. J. A. Caldwell, W. H. Wannamaker, Jr., and G. W. Kuntny. 2,471,393, May 24.
Insulating bushing. F. A. Bussell. 2,470,886, May 24.
Insulation for spherical tank shells and making the same. J. O. Jackson. 2,470,986, May 24.
Interchangeable eye lens frame. P. J. Massaro. 2,471,338, May 24.
Interlock mechanism for switch and receptacle units. W. E. Parish. 2,470,944, May 24.
Intermittent flush valve. W. S. White. 2,470,798, May 24.
Interpolymer of monovinylaromatic compounds, monocarboxylic olefinic acid and drying oil or acid. E. G. Bobalek. 2,470,757, May 24.
Interpolymer produced from polyhydric alcohol, polybasic acid, and interpolymer of monovinylaromatic compound, olefinic acid, and drying oil or oil fatty acid. E. G. Bobalek. 2,470,762, May 24.
Iron catalyst promoted with an alkali metal fluoborate, Preparing an. H. G. Vesterdal. 2,471,130, May 24.
Jack: *See*—
Drill jack.
Dual purpose sleeve-spring spring jack.
Jettison fuel tank. D. P. Allen and R. Wise. 2,471,296, May 24.
Joint: *See*—
Pipe joint.
Knitting machine. P. W. Bristow. 2,470,803, May 24.
Labeler. C. M. Hesson. 2,471,066, May 24.
Ladder for hanging paper. J. Jenkins. 2,471,110, May 24.
Laminated wooden bowling pin. R. C. Diehl. 2,471,316, May 24.
Latch. H. S. Harvey. 2,470,771, May 24.
Lathe, Multiple spindle. C. E. Miller and J. M. Ingalls. 2,471,074, May 24.
Lawn mower. J. D. Cavaness. 2,471,367, May 24.
Liquid treating apparatus. W. Livingstone. 2,471,158, May 24.
Liquids, Treatment of aqueous. E. B. Higgins. 2,471,213, May 24.
Livers, Treatment of. L. S. Paddock. 2,471,282, May 24.
Loader, Shifting shovel. R. E. Boulton. 2,471,192, May 24.
Location system, Radio object. W. H. Doherty. 2,471,264, May 24.
Lock: *See*— Communicating door lock.
Automatic rope lock.
Lock for automobiles, Antitheft. N. A. Truesdell. 2,471,293, May 24.
Loom beat-up mechanism. D. W. Shimwell. 2,471,354, May 24.
Lubricator: *See*—
Running rope lubricator.
Machine attachment, Labeling. F. J. Schulz. 2,471,288, May 24.
Machine for applying spots to bottle caps. A. Weisenburg. 2,471,255, May 24.
Machine for assembling springs. J. Gauci and D. Krakauer. 2,470,812, May 24.
Machine for breaking in shoes. A. Sachs. 2,470,867, May 24.
Machine for fire hose, Scrubbing. I. E. Parker and T. W. Brydon. 2,471,041, May 24.
Magnetic from nonmagnetic materials, Method and apparatus for separating. A. B. Drescher. 2,470,889, May 24.
Magnetic work holder. S. I. Hitchcock. 2,471,067, May 24.
Manifest sheets, Distribution of. C. Bursett. 2,470,758, May 24.
Map and key holder. N. D. Stanley, Sr. 2,471,127, May 24.
Marking means for containers, Rotary. L. E. Davies. 2,471,098, May 24.
Mast, Portable. R. H. McPherson. 2,470,998, May 24.
Mat, Bath. G. E. Pretty. 2,471,008, May 24.
Mattress, Bed. C. R. and A. G. Sohn. 2,471,125, May 24.
Mechanical horse. E. V. Monson. 2,471,233, May 24.
Mechanism between two power sources, Interchange. A. T. Reynolds. 2,471,122, May 24.
Mechanism for adjusting shaft end play. L. W. Wightman. 2,471,180, May 24.
Mechanism for automatic guns having transversely movable breech blocks, Firing. D. W. Molins. 2,471,232, May 24.
Mechanism for sewing machines, Feeding. A. B. Clayton. 2,470,759, May 24.
Mechanism for typing machines, Ribbon feeding and inking. G. E. Pelton. 2,471,238, May 24.
Mechanism for utilizing the manifold suction of internal-combustion engines. M. Mallory. 2,471,111, May 24.
Mending of stockings in sewing machines. F. Gegauf. 2,471,370, May 24.
Metal, Thermostatic laminated. C. F. Alban. 2,470,753, May 24.
Meter having overlapping sensitivity ranges and calculator rings surrounding the meter scale, Vest pocket exposure. A. G. Stimson. 2,471,171, May 24.
Method and apparatus for detecting variations in the appearance of an object or sample. T. Stuland. 2,470,877, May 24.
Methylpentadiene-arakenyl copolymers. R. C. Morris, A. V. Snider, and E. T. Bishop. 2,471,234, May 24.
Microcrystalline residues and products resulting therefrom, Treatment of. J. J. Fish. 2,471,102, May 24.
Microprotractor. W. M. Dethlefs and F. Minder. 2,471,099, May 24.
Microwave device. R. A. Braden. 2,470,802, May 24.
Mildew-proofing. E. W. Cook and P. H. Moss. 2,471,261, May 24.
Milking domestic farm animals and for temporarily storing milk and cooling it. G. R. Duncan. 2,470,979, May 24.
Mill for cutting feathers. T. Slick. 2,471,356, May 24.
Mixing bottled natural gas with vegetative gas. H. E. McCordic. 2,471,161, May 24.
Modulator, Stabilized frequency. G. Hepp. 2,470,892, May 24.
Mold bar for dental molds, Lingual. I. Neustadter. 2,471,344, May 24.
Mold for sliding clasp fasteners. J. Bolten, Jr. 2,471,258, May 24.
Molding clip. D. H. Waara. 2,471,254, May 24.
Molding machine, Continuous rotor. C. N. and G. B. Benander. 2,471,139, May 24.
Motor mounting attachment. N. J. Pepin. 2,471,120, May 24.
Motor preset control, Electric. G. Malcom. 2,470,937, May 24.
Motor vehicle. N. Wyeth. 2,471,135, May 24.
Motor wrench, Hinged supported. F. E. Niederhiser. 2,470,897, May 24.
Mounting and connector, Radio antenna. H. Z. Beaton. 2,471,020, May 24.
Mower. L. C. Meakimen. 2,471,073, May 24.
Mower. N. D. Colvin. 2,471,311, May 24.
Mud sheaths from oil wells, Removing. L. T. Monson. 2,470,830, May 24.
Navigation aiding apparatus. F. P. Best, C. D. Colchester, and J. Twait. 2,470,912, May 24.
Necktie and collar combination. R. Y. Bovee. 2,470,973, May 24.
Necktie rack. F. Reiss. 2,471,349, May 24.
Net, Landing. C. M. Kincannon. 2,471,273, May 24.
Network, Electrical contact protection. R. C. Mathes. 2,470,825, May 24.
Nipple and cap for baby nursing bottles. D. Stoller. 2,471,172, May 24.
Nitroalkyl sulfites and preparing them. S. P. Lingo. 2,471,274, May 24.
Obtaining concentrates of uranium and vanadium from their ores. R. D. Nye and D. J. Demorest. 2,471,345, May 24.
Obviating cylinder wear in engines and the like. A. T. Elants. 2,470,809, May 24.
Oil, Lubricating. L. A. Mikeska. 2,471,115, May 24.
Oil, Recovery of hydrocarbon. C. E. Hemminger. 2,471,107, May 24.
Oil borner. B. K. Danielsson and L. A. Widing. 2,471,025, May 24.
Oil-in-water emulsions, Breaking. L. T. Monson. 2,470,829, May 24.
Oil or liquid filter. C. C. S. Le Clair. 2,471,069, May 24.
Operating means for trailer goosenecks. W. E. Martin. 2,471,277, May 24.
Organic compounds, Separation of. H. G. McGrath, H. J. Passino, and L. C. Rubin. 2,470,782, May 24.
Ottoman, Electric foot-warming. G. W. Lindstrom. 2,471,221, May 24.
Packet, Soap powder. W. A. Hermanson. 2,470,851, May 24.
Padlock. H. E. Soref and D. J. Foote. 2,471,291, May 24.
Painting apparatus, Flag pole. D. Kremko and J. Podnfaly. 2,470,994, May 24.
Palladium articles, Production of. R. H. Atkinson and G. P. Gladie. 2,471,297, May 24.
Pallet and crate structure, Combined. B. C. Colt, Jr. 2,471,095, May 24.
Paper cutter. H. H. Levin. 2,471,334, May 24.
Parasiticidal compositions comprising alkyl-halo-naphthalenes. R. R. Dreisbach and F. W. Fletcher. 2,471,265, May 24.
Parisons, Making. C. B. Garwood. 2,471,369, May 24.
Pattern controlled machine tool. A. H. Dall and H. Horlacher. 2,471,097, May 24.
Pattern for collars and lapels, Adjustable. D. J. Cieri. 2,471,196, May 24.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,470,808, May 24.

Photographic copying stand and apparatus, Combined. P. J. Brownscombe. 2,470,844, May 24.
Photographic material and producing same, Color. B. Gaspar. 2,470,769, May 24.
Photometric apparatus and spectrophotometer using polarized light and a multiple retardation plate. E. I. Stearns, Jr., and G. L. Buc. 2,471,249, May 24.
Photometric apparatus and spectrophotometer using polarized light and an optically active plate. E. I. Stearns, Jr., and G. L. Buc. 2,471,248, May 24.
Piezoelectric apparatus. J. J. Cress. 2,471,143, May 24.
Pin: *See*—
Clevis pin.
Laminated wooden bowling pin.
Plug: *See*—
Caulking plug. Spark plug.
Pipe cleaner. C. H. Mosher. 2,470,940, May 24.
Pipe connection and packing ring therefor. P. Boissou. 2,470,883, May 24.
Pipe joint. F. R. Hirsh. 2,470,818, May 24.
Pipe oiler for rotary swivels, Automatic wash. G. R. Tremolada. 2,470,960, May 24.
Pit, Barbecue. C. E. Moseley. 2,471,375, May 24.
Pitter, Cherry. C. N. and H. R. Springer. 2,470,905, May 24.
Pliers with detachable end jaws. I. Jankovich. 2,471,372, May 24.
Plowshare. W. H. Farr. 2,471,388, May 24.
Plowshare. T. Möhl. 2,471,104, May 24.
Pocket and making. R. E. Carter. 2,471,386, May 24.
Polishing bonnet. G. E. Mercalfe. 2,471,114, May 24.
Polymeric linear esters, Highly. J. G. Cook, J. T. Dickson, A. R. Lowe, and J. R. Whinfield. 2,471,023, May 24.
Polymerization of olefinic hydrocarbons. W. B. Shanley. 2,470,904, May 24.
Polymers of vinyl halides, Preparation of granular. M. Baer. 2,470,908–10, May 24.
Polyolefinic hydrocarbons, Production of. W. W. Johnstone. 2,470,894, May 24.
Polyphase alternating current dynamo. C. E. Ellis. 2,470,767, May 24.
Porcelain-coated gas burner. G. W. Zimbelman. 2,470,881, May 24.
Positioning and indicating system, Remote. W. P. Lear. 2,471,220, May 24.
Post driver. W. R. Boydstun. 2,470,974, May 24.
Pot, Body-supported infant's chamber. N. R. Deardorff. 2,471,201, May 24.
Potassium chloride, Manufacturing coarse granular. A. K. Johnson and H. B. Suhr. 2,470,822, May 24.
Power supply, Impulse type. E. W. Marlowe and H. A. Wilcox. 2,470,895, May 24.
Power supply system. H. M. Stoller. 2,470,838, May 24.
Power transmission. E. Orshansky, Jr. 2,471,117, May 24.
Power unit, Pneumatically driven. H. G. Hunt. 2,471,109, May 24.
Preferential operating valve. R. K. Sedgwick. 2,471,289, May 24.
Preserving vegetable tanned leather. A. Cheshire. 2,471,022, May 24.
Preventing and/or removing accumulations of solid matter from oil wells, flow lines, and pipe lines. L. T. Monson. 2,470,831, May 24.
Preventing or reducing the escape of high-frequency energy. J. Collard. 2,470,805, May 24.
Preventing the accumulation of ice on aircraft surfaces and the like. D. L. Lenzhborough. 2,471,224, May 24.
Producing a sintered abrasive body. A. C. Wickman. 2,471,132, May 24.
Products of vinyl halides, Preparation of granular polymerisation. M. Baer. 2,470,911, May 24.
Projector, Figurine ball. H. M. Wescott. 2,470,962, May 24.
Prosthetic device. C. J. Therne. 2,471,360, May 24.
Protector for pipes. L. Gazdik. 2,471,209, May 24.
Protein hydrolysate containing essential amino acids and preparation thereof. M. Sahyun. 2,470,955, May 24.
Pulse echo recognition system. A. A. Joyner. 2,471,373, May 24.
Pump: *See*—
Deep well pump. Variable capacity hydraulic pump.
In-line fluid pump.
Rotary gear pump.
Pump stator, Rotary. J. P. Johnson. 2,470,987, May 24.
Rack: *See*—
Bread cooling and proofing Neektie rack. rack.
Radio antenna. V. M. Wintermute. 2,471,256, May 24.
Radio detection and location system indicating azimuth and elevation. W. A. Miller and E. R. Shenk. 2,470,939, May 24.
Railway switch. H. R. Smith. 2,471,357, May 24.
Rake cleaner. G. D. Pringle. 2,470,863, May 24.
Rake cleaner. N. H. Richards. 2,471,239, May 24.
Receiver input circuit. H. Blok. 2,470,882, May 24.
Recorder, Card holder actuated time. P. Vannini. 2,470,961, May 24.
Resilient wheel. R. J. Burrows and A. O. Williams. 2,470,885, May 24.
Rectifier protection, Low-voltage. O. Jensen. 2,471,216, May 24.
Reducing the adhesion of ice to rubbery surfaces. E. G. Hans. 2,470,772, May 24.
Refrigerating system, Two-temperature. L. W. Atchison. 2,471,137, May 24.
Refrigerator unit. C. W. Savidge. 2,470,956, May 24.
Regulator for cattle tanks, Water. H. T. Jones. 2,471,328, May 24.
Relay. J. M. Wilson. 2,471,181, May 24.
Release for kites, Parachute. V. C. Coyne and J. W. Stuart. 2,471,199, May 24.
Repair device, Tire casing. N. Stevens. 2,471,359, May 24.
Repeater, Submarine cable. E. W. Smith and R. W. Presswell. 2,471,046, May 24.
Reservoir, Gas. P. S. Graver. 2,471,270, May 24.
Residue carboxylic acid-alkylene diamine resins. C. H. McKeever. 2,471,230, May 24.
Resins containing aminoalkoxy substituents, Urea. R. W. Auten. 2,471,188, May 24.
Retainer, Toolhead. S. N. Rosengren. 2,470,865, May 24.
Retriever, Bird. B. Miller. 2,471,231, May 24.
Rheostat control device. L. E. Aske. 2,470,908, May 24.
Rheostat with centrifugal operator. R. A. Felburg. 2,470,768, May 24.
Ring traveler. H. G. Joseph. 2,470,932, May 24.
Rocket, Line-carrying. C. D., A. J., and C. Schermuly. 2,471,353, May 24.
Rod and gas welding, Flux coated aluminum. D. M. Doyle. 2,470,763, May 24.
Rosin maleic glyceride esters. W. Krumbhaar. 2,470,855, May 24.
Rotary gear pump. A. Girz. 2,471,149, May 24.
Rotary turbine type fluid coupling. E. D. Hanson. 2,471,212, May 24.
Rotatable device. P. A. Johnson. 2,471,217, May 24.
Rotor. J. H. Abbott and J. W. Anger. 2,470,906, May 24.
Roughing machine. E. E. Sabin. 2,470,866, May 24.
Rubber with cooling of the rubber to facilitate separation of tailings, Refining reclaimed. C. H. Campbell. 2,471,392, May 24.
Rubbers, Production of chlorinated synthetic. T. P. Remy. 2,470,952, May 24.
Running rope lubricator. W. R. Jenkins. 2,471,036, May 24.
Safety device for blasting caps. J. and F. J. Yurick. 2,471,381, May 24.
Salicylato and succinate therapeutic preparations. R. Gubner. 2,471,304, May 24.
Salt substitute. E. D. Davy. 2,471,144, May 24.
Salts of amine methionic acid, Production of. M. H. M. Arnold and W. E. Perry. 2,471,018, May 24.
Sash holding device. E. E. Montgomery. 2,470,832, May 24.
Saxophone. H. Sommaruga. 2,471,290, May 24.
Scoop construction for self-loading trucks. A. Lankovski and M. Graves. 2,470,770, May 24.
Scraper, Cervical. J. E. Ayre. 2,471,088, May 24.
Seal for flush valves, Piston. E. A. Frederickson. 2,470,925, May 24.
Seal for gas turbines, Diaphragm. W. A. Ledwith. 2,470,780, May 24.
Sealer. F. N. Irwin, Jr. 2,470,852, May 24.
Sealing compositions containing chlorinated diphenyl and graphite. L. L. Rector and C. L. Cron. 2,471,010, May 24.
Sealing empty cans. P. T. Lemmel. 2,471,332, May 24.
Seat construction, Vehicle. G. L. White and C. H. Diedrich. 2,470,907, May 24.
Seeds for dehusking, Preparing gum-containing. B. Chiego. 2,470,750–1, May 24.
Seismograph blaster time breaker circuit. D. R. de Boisblanc and J. E. Bondurant. 2,470,846, May 24.
Self-quiz device. C. Lorber. 2,471,223, May 24.
Separable fluid coupling. H. S. Pasturczak. 2,471,237, May 24.
Separator for berry picking machines, Leaf. W. C. Hoyt, Sr. 2,471,326, May 24.
Separator having means for wiping and scraping the carrier disk, Magnetic. A. Scrivener. 2,471,044, May 24.
Severing device, Tape. G. K. Charles. 2,471,310, May 24.
Sewing machine. A. A. Jennings. 2,470,931, May 24.
Shaft drive, Enclosed. J. Watten. 2,471,015, May 24.
Sharpener, Blade. G. C. Freeman. 2,471,207, May 24.
Sheet-metal gas burner. G. W. Zimbelman and R. Shelton. 2,470,880, May 24.
Shelf, Rotatable. W. E. Randall. 2,470,749, May 24.
Shield, Body protecting. M. M. McDonald. 2,471,071, May 24.
Shield, Cigarette. M. P. Newberger. 2,471,116, May 24.
Shipping container. R. A. Norbom. 2,471,280, May 24.
Shock absorber. R. Watts. 2,471,294, May 24.
Shock absorber webbing. E. A. Neff. 2,471,166, May 24.
Shoe heel plate and skate fastening means. T. Ana. 2,470,840, May 24.
Shoe, Sports. F. A. Melchionna. 2,471,113, May 24.
Shoe welt. E. R. Guimet. 2,470,942, May 24.
Shuttle for narrow ware looms. F. A. Hardick. 2,470,981, May 24.
Sickbed waste receptacle holder. H. L. Chandler. 2,471,300, May 24.
Siftproof box. F. D. Palmer. 2,470,789, May 24.
Signal distributing system. P. M. G. Toulon. 2,471,253, May 24.
Singeing tool. M. E. Baker. 2,471,019, May 24.
Siren. J. F. Fletcher. 2,471,028, May 24.

Skinning device, Animal. G. A. Nick. 2,471,235, May 24.
Slicer, Potato. E. F. La Bat. 2,470,934, May 24.
Slicer for citrus fruit and the like. A. O. Goldstein. 2,470,813, May 24.
Socket, Lamp. S. E. Bartelson. 2,471,100, May 24.
Sole-cementing machine. A. Perri. 2,471,397, May 24.
Solvents and plasticizers for vinyl resins. J. Delormo and R. Bluma. 2,470,761, May 24.
Spark plug. W. E. and D. B. Humrichouse. 2,470,821, May 24.
Spark plug. F. I. McCarthy and C. Schaadler. 2,471,070, May 24.
Specimens of paving mixtures, Producing and testing. R. G. Marshall. 2,471,227, May 24.
Speed nut tool. W. P. Hammers. 2,470,891, May 24.
Speed responsive means. A. C. Haiter. 2,470,928, May 24.
Spike, Shoe. R. McKenzie. 2,470,997, May 24.
Spring mounted brake. J. F. Wein. 2,471,052, May 24.
Stack carrier. C. C. Griffin. 2,471,152, May 24.
Stacking machine, Can. J. E. Socke. 2,470,795, May 24.
Staircases, Construction of. O. Safir. 2,471,352, May 24.
Stand: *See*—
Bag stand. Christmas tree stand.
Starter for electric motors, Automatic. B. Antipovitch. 2,471,185, May 24.
Stator construction for switches. G. O. Puerner. 2,470,951, May 24.
Steel having high hot hardness, Austenitic. C. B. Post. 2,471,080, May 24.
Steering control, Electric. H. H. Hull. 2,470,820, May 24.
Sterilizer construction. R. L. Jewell. 2,470,770, May 24.
Stoker control, Hydraulic. A. E. Bisak. 2,470,969, May 24.
Storage battery filling device support. V. H. Christen. 2,471,094, May 24.
Storage tube. R. L. Snyder, Jr. 2,470,875, May 24.
Striker system for chimes, Electric. M. F. Miller. 2,470,827, May 24.
Stringer, Fish. K. L. Orton. 2,470,941, May 24.
Stripping of spent catalyst in hydrocarbon conversion. R. E. Hall, and M. J. Wilcox. 2,471,064, May 24.
Stroller-walker, Baby. R. Moster. 2,471,004, May 24.
Structure for truck or trailer bodies or the like, Frame. N. E. Cole. 2,470,919, May 24.
Sulfonic acids from spent sulfonating agent, Recovery of. J. M. Mavity. 2,470,806, May 24.
Sulfur containing hydrocarbons, Treatment of. B. N. Hill. 2,471,108, May 24.
Support: *See*—
Storage battery filling device support. Yarn package support.
Support and guide for drill stems. W. S. Hendricks. 2,470,983, May 24.
Support for ironing boards, Collapsible. E. C. Booth. 2,471,059, May 24.
Support or rack, Electrical cable. M. Hain. 2,470,814, May 24.
Supporting device for cathode-ray tubes. D. B. Kelm. 2,471,154, May 24.
Switch: *See*—
Electric switch. Railway switch.
Flashlight switch.
Switching device. L. E. Olson, and R. Wertzler. 2,471,281, May 24.
Switching device, Composite. W. Deans. 2,471,200, May 24.
Synchronizer with tripper-operated safety switch, Photoflash. A. Kennedy. 2,471,219, May 24.
Synthesis of 4-hydroxycoumarins. M. A. Stahmann, and K. P. Link. 2,471,047, May 24.
System for determining the position or path of an object in space. P. W. Nosker. 2,470,787, May 24.
Table: *See*—
Folding lap table.
Universal wood working machine table.
Table. A. J. Shoenberg. 2,471,245, May 24.
Table for tire building machines, Feed. W. J. Breth. 2,471,140, May 24.
Tank: *See*—
Jettison fuel tank.
Tapes, Making measuring. A. W. Keuffel. 2,471,329, May 24.
Tapes, Making measuring. A. W. Keuffel. 2,471,395, May 24.
Telegraph system, Phase reversal. R. P. Leroy. 2,471,383, May 24.
Telegraph system, Printing. J. B. Moore. 2,471,076, May 24.
Temperature control, Automatic water. J. R. Hassell. 2,471,371, May 24.
10,11-dihydro-7-r-phenanthro-[2,1-d] isoxazoles, and products of such process, Preparing. W. S. Johnson, J. W. Petersen, and C. D. Gutsche. 2,470,777, May 24.
Testing device, Radio-frequency. P. H. Greeley. 2,471,033, May 24.
Testing with artificial standard, Magnetic. T. Zuschlag. 2,470,839, May 24.
Thermochemical metal removal. E. Meincke. 2,470,990, May 24.
Thermometer with heat conductor. E. L. McDonald. 2,471,229, May 24.
3-thensidehyde, Preparation of. E. E. Campaigne, and W. M. Le Suer. 2,471,092, May 24.
3-thenyl bromide. E. E. Campaigne, and W. M. Le Suer. 2,471,091, May 24.
3-thenyl bromide salts. E. E. Campaigne, and W. M. Le Suer. 2,471,090, May 24.
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Timer, Ignition. J. T. Fitzsimmons, and W. D. Schrope. 2,471,315, May 24.
Tool: *See*—
Belt-applying tool. Singeing tool.
Combination tool. Speed nut tool.
Heating tool.
Pattern controlled machine tool.
Top, Solid convertible. G. E. Shilala. 2,471,378, May 24.
Towel clip. E. F. Engleman. 2,470,811, May 24.
Tractor tread. R. B. Boltman. 2,470,801, May 24.
Trainer for aerial gunners, Aircraft. R. C. Dehmel. 2,471,315, May 24.
Training apparatus, Gunfire control. G. Ekstrom and P. W. Dittmann. 2,471,368, May 24.
Transducer adapted to compensate for twisting of the record wire, Magnetic. H. E. Tompkins. 2,471,251, May 24.
Transformer, Regulated. L. Lorant. 2,471,222, May 24.
Transmission, Hydraulic. V. E. Gleasman. 2,471,031, May 24.
Transmitting system, Alternating-current signal. H. Gardère. 2,471,319, May 24.
Trap: *See*—
Animal trap.
Travel control apparatus, Pneumatic hydraulic. E. A. Rockwell. 2,470,851, May 24.
Treating cracked gasoline to remove metals. J. A. Chenicek. 2,470,887, May 24.
Treating petroleum oils with a copper soap and of producing the copper soap, Process of. C. O. Hoover. 2,471,153, May 24.
Treating titaniferous iron ores. P. H. Royster. 2,471,242, May 24.
Treating waste rubber, etc. E. L. Schenck. 2,471,048, May 24.
Treating waste sulfite liquor. T. L. Dunbar. 2,470,764, May 24.
Trimming stitch, Fancy. J. Nachman. 2,471,165, May 24.
Truck, Automotive parts. H. Luby. 2,471,337, May 24.
Tube: *See*—
Storage tube.
Tube end forming machine. C. Elsler. 2,470,923, May 24.
Tube testing apparatus. J. W. Millington, and W. H. Stewart. 2,470,828, May 24.
Tubing rotator. D. R. Cormany. 2,471,198, May 24.
Tuner, Stop-on carrier. W. P. Boothroyd, and W. H. Forster. 2,470,843, May 24.
2,2'-dithio bis (n-aryl carbamic ester) softeners for rubbers. P. T. Paul and L. B. Tewksbury, Jr. 2,470,946, May 24.
2,2'-dithio bis propionanilide softener for rubbers. P. T. Paul. 2,470,947, May 24.
Tying machine for elongated packages. B. H. Bunn. 2,471,304, May 24.
Undercarment. S. Roodner. 2,470,901, May 24.
Unit strip assembly. A. L. Erickson. 2,471,145, May 24.
Universal woodworking machine table. H. L. Trebert, Jr. 2,471,014, May 24.
Vacuum dehydration. K. C. D. Hickman. 2,471,325, May 24.
Valve: *See*—
Intermittent flush valve.
Preferential operating valve.
Valve. D. Y. Rice. 2,471,285, May 24.
Valve and remote-control system, Fluid. H. N. Rider. 2,471,241, May 24.
Valve assembly, Combination balanced shutoff and throttling. W. N. Matson, and S. Jacobs. 2,471,100, May 24.
Valve clearance gauge. C. E. Hall. 2,471,106, May 24.
Valve release mechanism, Airplane tire. W. K. Seltz. 2,470,873, May 24.
Variable capacity hydraulic pump. C. J. Christopher. 2,471,195, May 24.
Vegetables, Treatment of. G. C. Scott, and R. E. Oltman. 2,471,170, May 24.
Vehicle: *See*—
Motor vehicle.
Ventilator. B. Ames. 2,470,799, May 24.
Vinyl polymers plasticized with air-blown extracts of mineral oil fractions. E. W. M. Fawcett, E. S. Narracott, and K. J. Rowland. 2,471,266, May 24.
Vinyl polymers plasticized with sulfur treated extracts of mineral oil fractions. E. W. M. Fawcett, E. S. Narracott, and A. Millien. 2,471,267, May 24.
Vise for splicing wire and like material, Rigger's. E. Gaulke. 2,471,269, May 24.
Vise, Machinist's universal. G. F. Trefs. 2,471,361, May 24.
Voltages, Multiplying. V. M. Cousins. 2,471,262, May 24.
Wagon, Dump. L. W. Smith. 2,471,370, May 24.
Wagon, Pickup hay. W. H. Rodefeld. 2,471,350, May 24.

Wall of plastic filled sectional blocks, Building. A. Christensen. 2,470,917, May 24.
Watch movement holder. D. Franks, and M. Shapiro. 2,471,103, May 24.
Water-cooling system for internal-combustion engines and the like. L. Hathaway. 2,470,982, May 24.
Waxing device, Floor. K. M. Polson. 2,470,837, May 24.
Weaving textile containers. A. Wallwork. 2,471,380, May 24.
Weeder with weed stripper. L. S. Rink. 2,470,900, May 24.
Weeding device. L. S. Rink. 2,470,899, May 24.
Welder, Portable. E. W. Forkner. 2,471,029, May 24.
Wheel: See—
Resilient wheel.
Wheel and steering apparatus for wagons, Front. C. L. Blackburn. 2,470,971, May 24.
Window, Plastic. A. B. Dow. 2,470,921, May 24.
Wrench. A. V. Capps. 2,471,194, May 24.
Yarn package support. F. W. Paffen, and H. L. Cornelius. 2,470,835, May 24.
Yeast treatment. D. K. Alexander. 2,470,967, May 24.

CLASSIFICATION OF PATENTS

ISSUED MAY 24, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number

2— 2.5: 2,471,071
42: 2,470,847
48: 2,471,331
73: 2,470,901
90: 2,471,086
131: 2,470,950
137: 2,470,973
143: 2,471,203
224: 2,471,349
244: 2,471,155
247: 2,471,386
4— 110: 2,471,201
177: 2,471,302
185: 2,471,095
5— 178: 2,470,930
351: 2,471,125
8—94.21: 2,471,022
9— 9: 2,470,783
10— 93: 2,471,250
12— 41.1: 2,470,867
15— 40: 2,471,041
122: 2,470,851
2,471,210
230: 2,471,114
16— 44: 2,470,978
17— 2: 2,471,062
18— 1: 2,471,358
2: 2,471,302
5: 2,471,139
13: 2,471,324
30: 2,471,145
33: 2,471,205
34.1: 2,471,344
36: 2,471,238
19— 130: 2,471,058
131: 2,471,056
2,471,057
20— 28: 2,471,197
21— 79: 2,471,303
22— 88: 2,471,049
23— 14.5: 2,471,345
168: 2,471,072
193: 2,471,013
267: 2,471,158
300: 2,470,822
24— 68: 2,471,300
81: 2,470,811
90: 2,470,963
92: 2,470,864
113: 2,470,980
138: 2,471,305
2,471,306
136: 2,471,335
137: 2,471,186
138: 2,471,141
213: 2,471,347
26— 71.6: 2,471,362
72: 2,471,360
82: 2,471,023
29— 37: 2,471,074
165.5: 2,470,753
30— 276: 2,471,233
287: 2,471,334
31— 6: 2,471,100
2,471,309
58: 2,470,979
33— 1: 2,471,050
15: 2,471,196
47: 2,471,027
49: 2,471,204
2,471,278
75: 2,471,099
158: 2,471,193
178: 2,470,758
181: 2,471,109
34— 5: 2,471,323
92: 2,471,033
95: 2,470,533
35— 12: 2,471,315
25: 2,471,368
31: 2,471,271
48: 2,471,223
36— 2.5: 2,471,113
45: 2,471,366
59: 2,470,997
78: 2,470,942
38— 117: 2,471,050
42— 18: 2,471,276
43— 1: 2,471,231
12: 2,471,273
34: 2,470,861
52: 2,470,995
67: 2,470,858
43— 77: 2,471,245
46— 45: 2,471,092
140: 2,470,823
47— 56: Re. 23,116
61: Pl. Pt. 838
Pl. Pt. 839
Pl. Pt. 840
48— 176: 2,471,270
49— 7: 2,470,923
80: 2,471,309
92.5: 2,471,079
51— 65: 2,471,355
181: 2,471,236
214: 2,471,207
306: 2,471,132
54— 6: 2,471,121
56— 25: 2,471,311
25.4: 2,471,367
25.5: 2,471,073
32: 2,471,314
400.05: 2,471,239
400.10: 2,470,863
57— 125: 2,470,932
60— 41: 2,470,780
54: 2,271,179
2,471,212
54.5: 2,270,954
61— 74: 2,470,974
62— 4: 2,471,137
5: 2,470,756
116: 2,470,956
141: 2,470,636
66— 131: 2,470,803
67— 7.1: 2,471,206
69— 1: 2,470,806
70— 39: 2,471,291
254: 2,471,293
72— 30: 2,470,917
101: 2,471,301
73— 1: 2,470,773
15.6: 2,471,227
105: 2,471,009
299: 2,471,096
326: 2,471,229
379: 2,470,807
74— 45: 2,470,809
57: 2,470,888
128: 2,471,194
242.7: 2,470,810
573: 2,471,217
665: 2,471,122
774: 2,471,131
75— 27: 2,470,935
30: 2,471,242
128: 2,471,080
176: 2,470,790
178: 2,471,385
77— 1: 2,471,006
13: 2,471,374
50: 2,471,208
81— 3: 2,470,891
6: 2,471,103
17.4: 2,471,269
62: 2,471,372
82— 26: 2,470,871
40: 2,471,163
84— 385: 2,471,260
85— 1: 2,470,927
2.4: 2,470,924
5: 2,471,254
88— 14: 2,470,877
2,471,248
2,471,249
23: 2,471,171
34: 2,470,844
47: 2,471,338
50: 2,471,068
90— 1.5: 2,470,793
4: 2,471,232
90— 13.5: 2,471,097
59: 2,471,361
91— 13: 2,470,796
25: 2,470,837
45: 2,470,994
51: 2,471,397
92— 11: 2,470,764
93— 36: 2,471,307
94— 31: 2,471,226
95— 6: 2,470,769
11.5: 2,471,219
97— 12: 2,471,377
113: 2,471,398
125: 2,471,164
98— 2: 2,470,799
99— 2: 2,471,353
14: 2,470,947
107: 2,471,262
143: 2,471,144
186: 2,471,170
100— 31: 2,471,304
101— 35: 2,471,098
109— 28: 2,471,381
81.6: 2,471,163
89: 2,471,353
103— 38: 2,471,117
87: 2,470,794
120: 2,471,149
174: 2,471,195
216: 2,470,987
104— 178: 2,471,042
105— 317: 2,470,853
106— 43: 2,471,016
165: 2,471,039
176: 2,471,272
287: 2,471,010
107— 4: 2,471,112
110— 76: 2,471,101
119— 121: 2,471,370
140: 2,470,914
212: 2,470,759
253: 2,470,931
113— 33: 2,471,299
112: 2,471,297
114— 45: 2,470,850
46: 2,471,095
116— 42: 2,470,874
116— 147: 2,471,028
117— 12: 2,471,329
2,471,395
49: 2,470,958
61: 2,471,330
72: 2,470,918
138.5: 2,471,251
138.8: 2,470,772
122— 498: 2,471,277
123— 25: 2,471,012
117: 2,471,111
169: 2,470,621
2,471,070
170: 2,470,962
198: 2,471,387
124— 7: 2,470,962
126— 25: 2,471,375
67: 2,470,938
121: 2,471,351
128— 79: 2,471,360
264: 2,471,048
304: 2,471,088
406: 2,470,970
129— 16: 2,470,824
23: 2,470,884
131— 21: 2,470,766
106: 2,471,389
174: 2,471,116
132— 11: 2,471,279
136— 162: 2,471,094
137— 68: 2,471,328
145: 2,470,798
138— 25: 2,471,309
60: 2,471,081
139— 191: 2,471,354
199: 2,470,981
371: Re. 23,114
383: 2,471,195
140— 3: 2,470,812
144— 30: 2,470,959
288: 2,471,014
146— 21: 2,470,906
72: 2,470,813
169: 2,470,934
235: 2,470,750
2,470,751
145— 9.5: 2,470,999
12.7: 2,470,791
14: 2,470,988
25: 2,470,957
150— 1.5: 2,471,169
152— 360: 2,471,350
415: 2,470,873
153— 45: 2,471,083
71: 2,470,985
154— 1.5: 2,471,253
28: 2,470,986
42: 2,470,852
85: 2,470,990
155— 9: 2,470,957
77: 2,471,024
81: 2,471,183
105: 2,470,781
127: 2,470,834
181: 2,470,899
182: 2,470,929
156— 77: 2,471,025
116: 2,470,880
2,470,881
117.1: 2,471,343
117.5: 2,471,161
160— 352: 2,470,921
166— 1: 2,471,382
2,471,383
14: 2,471,198
167— 22: 2,471,339
24: 2,471,263
65: 2,471,394
72: 2,470,804
98: 2,470,906
169— 5: 2,471,241
171— 95: 2,471,105
97: 2,470,835
2,471,200
119: 2,471,222
2,471,286
252: 2,471,157
324: 2,470,845
327: 2,471,143
172— 264: 2,470,928
173— 324: 2,471,020
328: 2,471,190
174— 70: 2,471,040
82: 2,470,886
99: 2,470,788
175— 41: 2,470,826
183: 2,470,826
2,470,839
2,471,001
2,471,033
294: 2,470,825
298: 2,471,011
320: 2,470,864
339: 2,471,365
367: 2,471,067
177— 7: 2,470,827
286: 2,470,912
178— 5: 2,471,120
4: 2,471,076
7.3: 2,471,253
44: 2,470,805
2,471,021
66: 2,471,319
2,471,333
179— 1: 2,471,136
6.3: 2,471,087
96: 2,470,915
100.2: 2,471,251
107: 2,470,953
171: 2,470,893
2,471,252
183— 4.5: 2,471,376
37: 2,471,178
184— 17: 2,471,026
188— 46: 2,471,312
77: 2,471,346
163: 2,471,244
188— 166: 2,471,052
216: 2,471,287
189— 14: 2,470,998
43: 2,471,352
193— 35: 2,471,140
194— 4: 2,471,055
196— 14: 2,471,107
23: 2,470,887
26: 2,471,153
32: 2,471,108
52: 2,471,034
2,471,064
2,471,078
2,471,084
2,471,085
2,471,104
2,471,131
2,471,228
2,471,398
111: 2,471,134
197— 171: 2,471,238
198— 25: 2,471,156
81: 2,470,922
177: 2,471,347
200— 11: 2,470,951
30: 2,471,318
33: 2,471,040
50: 2,470,944
56: 2,470,774
60: 2,471,032
201— 48: 2,470,788
2,470,968
2,471,393
202— 6: 2,471,119
204— 44: 2,470,776
206— 57: 2,471,145
79: 2,471,321
209— 121: 2,470,916
121: 2,471,225
144: 2,471,326
167: 2,471,341
2,471,384
214: 2,470,889
213— 1.5: 2,471,044
24: 2,471,213
30: 2,471,142
163.6: 2,471,189
164: 2,471,009
170: 2,470,943
211— 75: 2,471,030
99: 2,471,349
104: 2,471,127
134: 2,470,758
136: 2,470,765
146: 2,470,749
212— 20: 2,471,295
213— 32: 2,471,061
214— 1: 2,470,953
16: 2,470,976
23: 2,471,336
78: 2,470,778
81: 2,471,350
83.16: 2,470,836
83.28: 2,471,280
85: 2,471,277
86: 2,470,857
132: 2,471,192
139: 2,471,364
144: 2,471,182
145: 2,470,779
2,471,172
216— 11: 2,471,029
219— 4: 2,471,340
8: 2,470,763
19: 2,471,221
21: 2,470,854
29: 2,471,019
2,471,310
39: 2,471,123
41: 2,470,977
43: 2,470,806
44: 2,471,259
219— 44: 2,471,260
47: 2,471,128
220— 5: 2,471,295
10: 2,470,776
223— 88: 2,471,007
224— 7: 2,470,941
42.1: 2,470,848
226— 14: 2,471,214
15: 2,470,795
80: 2,471,332
228— 26: 2,471,140
229— 5.5: 2,470,984
2,471,017
16: 2,471,147
17: 2,470,789
40: 2,471,173
230— 127: 2,471,174
134: 2,470,906
235— 61: 2,471,150
2,471,327
98: 2,470,926
236— 1: 2,470,996
12: 2,471,871
46: 2,470,969
237— 9: 2,471,146
238— 8: 2,471,167
241— 14: 2,471,043
47: 2,471,356
89: 2,471,048
242— 125: 2,470,883
244— 54: 2,471,118
89: 2,471,292
83: 2,471,283
134: 2,471,224
153: 2,471,199
246— 434: 2,471,357
248— 2: 2,471,182
16: 2,471,120
47: 2,471,124
51: 2,471,312
68: 2,470,814
72: 2,470,991
2,470,992
97: 2,470,977
99: 2,471,309
100: 2,471,218
130: 2,471,095
145: 2,471,257
215: 2,470,878
289: 2,471,342
302: 2,470,890
316: 2,470,879
250— 6: 2,470,750
9: 2,471,136
20: 2,470,802
2,470,843
27: 2,470,920
2,471,262
2,471,268
27.5: 2,471,005
2,471,263
33: 2,471,256
33.67: 2,471,045
33.65: 2,471,216
2,471,284
40: 2,470,882
2,471,155
141: 2,471,154
144: 2,471,298
150: 2,470,875
251— 4: 2,471,289
76: 2,471,285
252— 8.55: 2,470,830
2,470,831
33: 2,470,913
40: 2,470,905
78: 2,470,792
171: 2,471,300
301.6: 2,471,082
340: 2,470,808
341: 2,470,829
433: 2,471,180
448: 2,471,000
450: 2,470,872
474: 2,470,784
2,470,785

252— 474: 2,470,786
253— 40: 2,471,109
254— 132: 2,470,899
2,470,900
257— 9: 2,471,123
245: 2,470,860
246: 2,471,317
260— 7.5: 2,470,953
2,471,396
22: 2,470,752
23: 2,470,757
26: 2,470,855
28.5: 2,471,102
29.1: 2,471,266
30.8: 2,470,945
2,470,946
2,470,947
2,470,948
2,470,949
2,471,267
32.8: 2,470,761
70: 2,471,188
72: 2,471,248
78: 2,471,230

260— 78.5: 2,470,908
2,470,909
2,470,910
2,470,911
80.7: 2,471,234
85.1: 2,470,952
104: 2,470,904
237: 2,471,090
307: 2,470,777
319: 2,470,955
327: 2,471,274
329: 2,471,077
2,471,091
2,471,092
2,471,093
344.6: 2,471,047
397.1: 2,470,903
449.6: 2,471,129
450: 2,470,782
461: 2,471,115
491: 2,471,391
505: 2,470,896
513: 2,471,018
529: 2,471,053

260— 530: 2,470,859
536: 2,470,841
537: 2,470,849
540: 2,470,876
613: 2,470,902
677: 2,470,894
683.15: 2,470,904
683.4: 2,471,211
683.5: 2,471,054
267— 11: Re.23,116
2,471,135
64: 2,471,294
270— 83: 2,470,754
2,470,762
271— 62: 2,471,096
272— 84: 2,470,815
2,470,816
273— 33: 2,470,817
82: 2,471,316
146: 2,471,202
277— 37: 2,471,160
278— 65: 2,471,175
279— 1: 2,470,897
106: 2,471,038

280— 1.15: 2,471,233
11.30: 2,470,840
33.16: 2,470,862
33.44: 2,471,184
33.55: 2,470,842
36: 2,471,004
53: 2,471,051
87.01: 2,470,971
143: 2,471,056
284— 19: 2,471,237
285— 36: 2,470,800
90: 2,470,989
97.1: 2,470,960
112: 2,470,818
163: 2,470,883
211: 2,470,949
287— 12: 2,471,322
52.08: 2,471,060
89: 2,470,870
290— 4: 2,470,898
44: 2,470,797
292— 71: 2,470,832
109: 2,471,099
160: 2,470,770

292— 169: 2,470,771
181: 2,471,159
294— 25: 2,471,308
93: 2,471,323
295— 11: 2,470,885
296— 24: 2,471,337
35: 2,470,919
107: 2,471,378
297— 3: 2,471,240
298— 175: 2,471,379
302— 53: 2,470,819
303— 20: 2,471,320
305— 10: 2,470,801
306— 28: 2,471,191
32: 2,470,865
308— 101: 2,471,180
227: 2,471,015
238: 2,471,187
309— 33: 2,470,925
311— 23: 2,471,003
312— 47: 2,471,288
186: 2,470,903
315— 6: 2,470,856
26: 2,471,246

315— 43: 2,471,037
318— 29: 2,471,075
31: 2,470,820
2,470,937
2,471,220
243: 2,470,767
395: 2,471,185
425: 2,471,151
320— 1: 2,470,895
321— 12: 2,471,216
68: 2,470,975
332— 15: 2,471,168
19: 2,470,892
343— 11: 2,470,939
2,471,264
12: 2,470,787
13: 2,471,373
346— 33: 2,460,846
78: 2,470,96

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,470,763: 219—8
2,470,770: 292—169
2,470,771: 292—169
2,470,772: 117—138.8
2,470,775: 204—49
2,470,787: 343—12
2,470,791: 148—12.7
2,470,795: 226—15
2,470,800: 285—30
2,470,802: 253—20
2,470,814: 248—68
2,470,818: 285—112
2,470,820: 318—31
2,470,824: 129—16
2,470,835: 242—125

2,470,836: 214—83.16
2,470,851: 15—122
2,470,852: 154—42
2,470,856: 315—6
2,470,859: 260—530
2,470,863: 56—400.10
2,470,877: 88—14
2,470,879: 248—316
2,470,880: 158—116
2,470,890: 248—302
2,470,894: 260—677
2,470,918: 117—72
2,470,920: 250—27
2,470,927: 85—1
2,470,928: 172—284

2,470,938: 126—67
2,470,955: 260—319
2,470,970: 128—408
2,470,972: 219—41
2,470,974: 61—74
2,470,985: 153—71
2,470,987: 103—216
2,470,989: 285—90
2,470,998: 189—14
2,470,999: 148—9.5
2,471,007: 223—88
2,471,010: 106—287
2,471,011: 175—298
2,471,023: 28—82

2,471,025: 156—77
2,471,037: 315—43
2,471,038: 279—100
2,471,041: 15—40
2,471,044: 210—1.5
2,471,072: 23—168
2,471,089: 292—109
2,471,090: 260—237
2,471,102: 260—28.5
2,471,104: 196—52
2,471,117: 103—38
2,471,120: 248—16
2,471,122: 74—665
2,471,124: 248—47

2,471,134: 196—111
2,471,137: 62—4
2,471,152: 214—144
2,471,160: 277—37
2,471,161: 156—117.5
2,471,166: 139—383
2,471,173: 229—40
2,471,185: 318—395
2,471,191: 306—28
2,471,218: 248—100
2,471,225: 209—123
2,471,231: 49—1
2,471,234: 260—80.7
2,471,256: 51—181

2,471,240: 297—3
2,471,258: 18—36
2,471,285: 251—76
2,471,286: 171—119
2,471,287: 188—216
2,471,288: 312—47
2,471,289: 251—4
2,471,291: 70—39
2,471,295: 212—20
2,471,301: 72—101
2,471,309: 248—99
2,471,315: 35—12
2,471,350: 214—81
2,471,356: 241—47

Classification of Designs

D 7— 7: Des. 153,889
Des. 153,890
D 9— 2: Des. 153,842
D13— 1: Des. 153,841
D14— 3: Des. 153,848
Des. 153,851
Des. 153,884
6: Des. 153,904
14: Des. 153,906
18: Des. 153,877
27: Des. 153,858
D15— 1: Des. 153,850

D15— 1: Des. 153,875
8: Des. 153,870
Des. 153,900
D16— 2: Des. 153,853
Des. 153,854
D17— 1: Des. 153,895
D19— 2: Des. 153,844
D21— 1: Des. 153,898
D26—14: Des. 153,899
D28— 1: Des. 153,876
D33— 3: Des. 153,843
14: Des. 153,909

D37— 1: Des. 153,886
D44— 1: Des. 153,888
Des. 153,894
9: Des. 153,887
26: Des. 153,857
D45— 4: Des. 153,879
10: Des. 153,868
D48— 4: Des. 153,878
15: Des. 153,855
Des. 153,856
20: Des. 153,860
Des. 153,873

D48—20: Des. 153,885
23: Des. 153,849
Des. 153,864
32: Des. 153,871
Des. 153,872
Des. 153,883
D49— 1: Des. 153,893
D52— 2: Des. 153,861
7: Des. 153,846
D54—12: Des. 153,880
D55— 1: Des. 153,852
Des. 153,903

D56— 4: Des. 153,881
D58— 4: Des. 153,882
D61— 1: Des. 153,862
Des. 153,863
D62— 2: Des. 153,865
D63— 1: Des. 153,892
D64—12: Des. 153,897
D66— 1: Des. 153,896
D67— 3: Des. 153,866
D71— 1: Des. 153,910
D74— 1: Des. 153,845
17: Des. 153,905

D74—24: Des. 153,891
D81—10: Des. 153,901
Des. 153,902
Des. 153,908
19: Des. 153,911
D83— 1: Des. 153,840
Des. 153,847
D85— 8: Des. 153,869
D86—10: Des. 153,859
D91— 3: Des. 153,907
D92— 1: Des. 153,874
D93— 3: Des. 153,867

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Condition of Applications Under Examination at Close of Bus

Contents

	Page
Issue of May 31, 1949	1252
Patents Expiring	1252
Applications Under Examination	1253
Decisions of the U. S. Courts	
In re Kendall	1255
In re Evans et al.	1257
Patent Suits	1259
Trade-Mark Suits	1260
Notices	
Adjudicated Patents	1260
Disclaimer	1260
Cancellation Notices	1260
Interference Notices	1260
Register of Patents Available for Licensing or Sale	1261
Bulletin of Decisions of Patent Office on Trade-Marks	1264
Trade-Marks	
Published (307 Applications)	1275
Registrations Granted	1315
Registrations Renewed	1322
Registrations Amended, Surrendered, Disclaimed, Corrected, etc.	1335
Registrations—New Certificates	1336
Registrations Republished (330 Registrations)	1336
Reissues	1377
Plant Patents	1377
Patents Granted	1379
Designs	1544

May 31, 1949

Trade-Marks	70—No.	442,752 to No.	442,821, inclusive
T. M. (Act of 1946)	315—No.	510,162 to No.	510,476, inclusive
T. M. Renewals	96		
Reissues	3—No.	23,117 to No.	23,119, inclusive
Plant Patents	4—No.	841 to No.	844, inclusive
Patents	657—No.	2,471,400 to No.	2,472,056, inclusive
Designs	101—No.	153,912 to No.	154,012, inclusive
Total	1,246		

Patents expiring: Patent Numbers 1,860,346 to 1,861,431, inclusive, issued May 31, 1932, expire May 31, 1949

Condition of Applications Under Examination at Close of Business May 13, 1949

Total number of patent applications awaiting action, 146,964. Date of oldest new application, June 18, 1947; date of oldest amended application, November 15, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	4-1-48	7-26-47	2668
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	1-31-48	5-6-47	2730
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	10-2-48	10-8-46	947
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Mining, Quarrying, and Ice Harvesting.	11-5-47	7-9-47	2294
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	2-16-48	9-26-47	1420
6. SURLE, H., Carbon Chemistry (part)	5-22-48	5-11-48	1023
7. HANLIN, GEORGE, Optics; Photographic Apparatus	8-30-48	5-17-48	1475
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	8-1-47	5-27-47	4648
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid Current Motors	3-10-48	7-11-47	2089
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	8-7-48	6-17-48	1488
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	5-6-48	9-19-47	1938
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	7-22-48	8-11-47	1888
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	8-1-47	9-9-47	3088
14. FREEHOF, H. B., Metal Working (Bending; Sheet Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	8-6-48	5-4-48	1252
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	8-16-48	1-2-48	1721
16. LOVEWELL, N. N., Television; Telephony	8-28-48	12-10-47	1589
17. LEIGHEY, R. A., (acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	11-26-47	1-4-47	2273
18. KURZ, J. A., Motors, Expansible Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	4-7-48	9-11-47	2426
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	8-10-48	1-9-48	1630
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	2-10-48	8-26-47	1978
21. MADER, R. O., Textiles	4-12-48	2-4-48	1342
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	5-5-48	6-13-47	1409
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-23-48	7-16-47	1108
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Packages and Article Carriers; Sewing Machines	5-4-48	4-21-48	2228
25. BLAKELY, O. F., Classifying Solids; Centrifugal Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	8-13-48	12-9-47	1627
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	8-30-48	1-30-48	1079
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	12-16-47	6-4-47	3249
28. BRAUNER, R. H., Internal Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horse-power Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	10-27-47	6-20-47	1766
29. HABECKER, LEONE B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Wood-working; Tools.	9-8-47	8-25-47	3206
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating; Heating Systems; Heat Exchange (part); Illuminating Burners.	10-13-48	10-8-48	648
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	9-18-48	9-16-48	1926
32. LEGH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	11-6-47	9-10-47	1874
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	10-9-47	8-28-47	3605
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	8-6-48	2-12-48	1261
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	2-25-48	2-27-47	3580
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	7-17-47	8-5-47	1903
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	8-18-48	1-15-48	1322
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	4-29-48	4-17-48	1666
39. WHITNEY, F. I., Fluid Pressure Regulators; Valves; Water Distribution	7-29-48	4-11-47	3082
40. DRUMMOND, E. J., Receptacles (part); Packages	7-15-48	9-5-47	3194
41. GURLEY, R. B., Check controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	6-7-48	8-19-47	2210
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	10-14-48	9-23-48	980
43. STONE, L. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	8-30-48	5-28-48	1187
44. HARVEY, L. P., Refrigeration	2-9-48	5-29-47	963
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	4-19-48	9-10-47	2463
46. MUSHAKE, W. L., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	8-16-48	5-23-47	1814

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 146,964. Date of oldest new application, June 18, 1947; date of oldest amended application, November 15, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	8-24-48	3-1-48	1963
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	8-24-48	11-12-47	1502
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	12-8-47	9-4-47	2335
50. LEVIN, SAMUEL, Synthetic Resins	10-1-48	6-15-48	1849
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	8-18-48	6-24-48	1435
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	4-29-48	7-25-47	3614
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	4-9-48	7-11-47	2194
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	8-20-48	9-25-47	1380
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	8-13-48	2-13-48	1701
56. COCKERILL, S., Electrical and Wage Energy Chemistry; Paper Making; Liquid Separation or Purification.	6-4-48	5-16-48	1954
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	3-2-48	5-3-47	3406
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	6-25-47	10-17-47	1714
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	5-24-48	1-6-48	1497
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	8-7-48	1-20-48	1093
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	6-18-47	12-19-46	3658
62. LOWE, D. B., (Acting), Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors.	8-7-48	4-14-48	1504
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	5-6-48	12-17-47	2132
64. NASH, P. M., Compositions,—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	10-15-48	10-15-48	1754
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	8-16-48	2-27-48	2284
66. LISANN, I., Geometrical Instruments	7-16-48	11-15-46	1940
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	8-13-48	11-14-47	1867
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	9-9-48	6-21-48	1426
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	2-14-48	8-7-47	2160
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	6-16-48	2-11-46	982
DEMONS: BREHM, G. L.	7-20-47	11-5-48	6847

Total number of trade-mark applications awaiting action (including renewals and republications), 30,788. Date of oldest new application, Feb. 17, 1948; date of oldest amended application, May 26, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	4-12-48	9-12-48	4201
2. KASCHUB, H. E., Classes 2, 36, 46	3-1-48	8-2-48	5098
3. SUMMERS, G. S., Classes 21, 23, 26	3-8-48	11-1-48	4389
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	2-17-48	8-28-48	4345
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	4-5-48	8-11-48	3770
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	4-15-48	7-24-48	3761
7. KEYS, C. M., Classes 16, 19, 55	4-8-48	5-26-48	2042
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	3-19-49	4-7-49	160
	10-2-48	3-15-49	3152

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE KENDALL

No. 5588. Decided March 1, 1949

[— F.2d —; 81 USPQ 207]

1. PATENTABILITY—INVENTION—CHANGE IN NUMBER OF PARTS.

Where the reference relied upon does not have object receiving means equal in number to the object holding means of the device as called for in the appealed claim, and where in the combination defined only one object holding means can be employed at a time, *Held* that this difference in the two devices does not constitute a patentable distinction.

2. WORDS AND PHRASES—"ROTATE."

Where the primary meaning of the word "rotate" is "to turn round an axis," and the meaning of "turn" is given as "to move around in circles or in a circle, or through an arc of a circle," *Held* that turning around an axis does not necessarily require, as the extent of the rotary movement a complete revolution.

3. CLAIMS—CONSTRUCTION—PENDING APPLICATION.

Where the issue is that of patentability over the prior art cited, the courts have uniformly ruled that the claims of a pending application will be given the broadest interpretation of which they are reasonably susceptible.

4. PATENTABILITY—INVENTION—COMPLETE VS. PARTIAL ROTATION.

Held that appellant has failed to convince the court that there is a patentable distinction between the complete and partial rotation of the structures involved.

5. SAME—PARTICULAR SUBJECT MATTER—CONVEYING MECHANISM.

Certain claims for a conveying and inverting mechanism used with a can washing machine *Held* properly rejected as failing to define invention over the prior art cited.

APPEAL from the Patent Office. Serial No. 498,709.

AFFIRMED.

Norman E. H. Deletzke for Kendall.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting claims 4, 7, and 8 in appellant's application for a patent for alleged improvements in a device incorporated in a machine for washing cans, such as milk cans.

Appellant filed a petition requesting the Board to reconsider its decision. The Board considered the petition and the issues therein presented, but denied it with respect to making any change in the Board's original decision.

Seven claims were allowed, but the appealed claims were rejected as failing to define invention over each of the following three references: Ailing, 2,041,451, May 19, 1936; Wolf, 2,085,936, July 6, 1937; Rufus, 2,133,044, Oct. 11, 1938.

Claim 7, the most specific of the rejected claims, is regarded as illustrative. The claim has been correctly copied in the brief for appellant wherein those portions of the claim relied upon as distinguishing it from the disclosures of the prior art have been emphasized by appellant as follows:

7. A device of the class described comprising, in combination, a support frame, a first shaft rotatably mounted on said frame, an inverting cradle attached to and rotatable with said first shaft, said inverting cradle having object holding means, an object supply conveyor adapted to supply objects to be inverted to the holding means of said inverting cradle, *a second shaft rotatably mounted on said frame, a discharge cradle attached to and rotatable with said second shaft, said discharge cradle having object receiving and discharge means equal in number to the object holding means of said inverting cradle*, an object discharge conveyor adapted to receive discharged objects from said discharge cradle, means for rotating said first shaft, *means for synchronously rotating said second shaft with said first shaft*, said inverting cradle and said discharge cradle overlapping one another sufficiently to permit a partially uprighted object to be deposited from a holding means of said inverting cradle into a receiving and discharge means of said discharge cradle, *said object receiving and discharge means of said discharge cradle being adapted to remove objects from said inverting cradle and from the path of travel of the holding means thereof and deposit the removed and uprighted objects upon said discharge conveyor*, and means associated with said discharge conveyor for moving said objects forwardly upon said discharge conveyor.

Claims 4 and 8 are broader than claim 7. Claim 4 requires no separate discussion, but claim 8 provides for means for continuously rotating the inverter and receptacle receiver in synchronism.

Appellant's device is incorporated in a can washing machine and relates to a mechanism for receiving inverted milk cans from the can washing machine and uprighting and discharging such cans on a platform or conveyor for transfer to another operating station.

The subject matter of the appealed claims consists basically of two rotatably mounted members; a can inverting cradle adapted to receive inverted cans in tilted position, and an unloading and discharge cradle for unloading and discharging substantially uprighted cans from the inverting cradle. Those two members are so arranged and continuously rotated as to adapt the inverter member to receive an inverted can from the conveyor, upon the tipping of the can over the inclined loading station, or forward ends, and substantially uprighting the cans.

The cans are thus deposited on the discharger

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member, which completes the uprighting of the can, and then discharges or deposits the can onto conveyor skids. The cans are thereafter moved forward along such skids by rollers, mounted at the extremities of the arms of the discharge cradle, as a result of the continued rotation of the discharge cradle.

The uprighted cans are transferred from such skids, and from the discharge end of the can washer, by pusher dogs onto discharge conveyor rollers. The dogs are connected through appropriate gearing and linkages to the drive of the inverting cradle and the discharge cradle, and function in timed relation therewith. Caps or covers are applied to the cans before they are discharged from the can washing machine, but the mechanism employed to perform that function is not involved in the claims on appeal.

The structural elements disclosed by each of the cited references relate to a device which differs from appellant's device in the specific structure of the rotatable receiver and can discharger, which is illustrated in the drawings and described in appellant's specification as an unloading and discharge cradle for unloading and discharging substantially uprighted cans from the inverting cradle.

The Solicitor for the Patent Office correctly takes the position that, since the issue involved in each of the rejections is the same, the discussion of those rejections may be confined to the disclosure of the patent to Rufus; that the other two references are merely cumulative; and that if the appealed claims are patentable over the patent to Rufus, they are patentable also over the remaining references.

The patent to Rufus discloses a can-uprighting and discharging mechanism employed in a can-washing machine, and more particularly a mechanism for turning over and discharging milk cans and the like. The device comprises, in combination, a support frame, a first shaft rotatably mounted on the frame, and an inverting cradle attached to and rotatable with the shaft. The inverting cradle has object holding means for holding two objects and an object supply conveyor from which milk cans to be inverted are supplied by an inclined discharge plate to the holding means of the inverting cradle. The plate is located at the end of the conveyor and permits the milk can to slide downwardly onto the arms of the turn-over member or cradle, which receives the end of the can which is to be uprighted. The turn-over member is driven by any suitable mechanism, such as turn-over shafts mounted on a frame for rotating the shafts synchronously. The turn-over mechanism is rotated intermittently by the driving mechanism of the inverting cradle so that the can is moved to a substantially upright position. After the can has thus been rotated by the cradle, the bottom portion of the can slides forward into the L-shaped can-receiving platform having spaced and discharge arms at the rear end of the platform. The platform member moves the can to an exactly upright position and pushes the can onto a conveyor chain. The platform member is moved by the operation of a pivot or second shaft rotatably mounted on the frame, by a link arm, and by simultaneously tilting the platform by a pivotally mounted arm which is connected to a crank arm mounted on a shaft.

[1] The discharge cradle disclosed in the patent to Rufus has but one object holding means and the inverting cradle has two object holding means. Therefore, the disclosure of the patent does not have object receiving means equal in number to the object holding means of the inverting cradle, as called for in claim 7. However, in view of the fact that in the combination defined, only one-object holding means can be employed at a time, this difference in the two devices does not, in our opinion, constitute a patentable distinction. The patent to Rufus discloses an object discharge conveyor which receives objects from the discharge cradle and drive chains for rotating the cradle shafts synchronously. The inverting and discharge cradles of the patent, which overlap, perform the specific function called for by claim 7.

The primary issue presented by appellant's arguments is based on the contention that the discharge cradle disclosed in the patent to Rufus does not have a rotary motion and is not rotatably mounted on the frame, because it cannot perform a complete revolution of 360° about the second shaft. On the contrary, appellant urges, the discharge cradle disclosed by the patent oscillates about two points, including the second shaft, and, therefore, the cradle is not rotatably mounted on the frame as called for by the claim.

The three rejected claims do not call for rotatable receiving and unloading means adapted to rotate through an arc of 360° about a single axis, as defined in a number of the allowed claims. Furthermore, the claims do not indicate that the continuous rotation in a fixed direction. None of the cited references discloses a can receiver and discharger which rotates through an arc of 360°, but each shows that such mechanism is moved in one direction, then in a different direction, so that a can may be received from the inverter cradle at the proper time.

[2] Each of the cited references discloses a continuously rotated cradle which receives an inverted can from a washing machine and rotates it through an arc of 330°. The Solicitor for the Patent Office correctly takes the position that "the fact that the rotation is expressly limited in some claims to movement through an arc of 360° necessarily implies that, in the absence of express language the rotation referred to in the claims may be through a smaller arc."

Webster's New International Dictionary, 1939, gives as the primary meaning of the word "rotate": "To turn, as a wheel, round an axis; to revolve." In the same dictionary, the meaning of the word "turn" is given as: "To move around in circles or in a circle, or through an arc of a circle * * *." The quoted meaning of the word "turn," according to the Solicitor's contention, is one of the most common, if not the most common given to the word, as illustrated by such everyday expressions as "to turn one's head"; "to turn a page"; "to turn upside down," etc. It is clear, therefore, that turning around an axis does not necessarily require, as the extent of the rotary movement, a complete revolution.

[3] Where the issue is that of patentability over the prior art cited, the courts have uniformly ruled that the claims of a pending application will be given the broadest interpretation of which they are reasonably susceptible. *In re Bryson D. Horton*, 19 CCPA (Patents) 871, 875, 54 F.2d 961, 12 USPQ 221, 418 O. G. 273; *In re Carr*, 54 App. D. C. 283, 323 O. G. 4. Accordingly, we find no error in the holding of the Board that the motion around the axis or pivot, in the instant case, does not have to be through an arc of 360° in order that it may be properly termed a motion of rotation. Moreover, appellant has failed to convince the court that there is a patentable distinction between the complete and partial rotation of the structures involved.

[4] Claims 4 and 8, for the reasons hereinbefore stated with respect to claim 7, do not appear to define invention over the prior art cited. In view of that conclusion, it is deemed unnecessary to discuss other points raised by the arguments of counsel, and the decision of the Board of Appeals is accordingly affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE EVANS ET AL.

No. 5318. Decided March 7, 1949

[173 F.2d 373; 81 USPQ 157]

1. WORDS AND PHRASES—"SCORCHED RUBBER."
   Held that scorched rubber is prematurely or partially vulcanized rubber.
2. PATENTABILITY — METHOD — USING DIFFERENT MATERIALS.
   Held that there is no invention in applying to scorched rubber methods or compounds old to the art as useful in reclaiming vulcanized rubber.
3. SAME—PARTICULAR SUBJECT MATTER—METHOD FOR PLASTICIZING SCORCHED RUBBER STOCK.
   Certain claims to a method of plasticising scorched rubber stock *Held* properly rejected as unpatentable over the cited prior art.

APPEAL from the Patent Office. Serial No. 467,046.

AFFIRMED.

Clarence M. Fisher (*Roger T. McLean* of counsel) for Evans.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting, as unpatentable over the prior art, claims 1 to 7, inclusive, which are all of the claims in appellants' application for a patent for a method for plasticizing scorched rubber stock.

Claims 1 and 3 are representative, and read as follows:

1. The method of plasticising scorched stock which comprises admixing therewith acidic material and a substantially non-accelerating, plasticising organic sulfur compound, permitting the resulting admixed material to stand and subsequently subjecting the same to a refining treatment.

3. The method of plasticising scorched stock which comprises mechanically working the same under oxidising conditions with admixed acid material and a plasticising sulfide having the formula RS_xR' where R and R' represent radicals selected from the class consisting of hydrocarbon radicals and hydrocarbon radicals substituted by a non-accelerating functional group and where x is an integer.

The references relied upon are: Shepard et al., 1,957,298, May 1, 1934; Seaman et al., 1,996,001, Mar. 26, 1935; Williams et al., 2,191,266, Feb. 20, 1940; Garvey, 2,193,624, Mar. 12, 1940; Castello, 2,211,592, Aug. 13, 1940.

Appellants state in their brief:

> The invention of the appealed claims provides a method for cool working of scorched rubber stock in the presence of an acidic material and a non-accelerating plasticising organic sulfur compound followed by standing and/or cooling to "age" the mixture and a final reworking refining step. The result is a reconverted product closely approximating the properties of properly mixed and compounded rubber. The process is characterized by the use of an organic sulfur compound, which is *not* an accelerator, under process conditions of *acidity* and low temperature. The process is further characterized by a period of standing i. e., cooling, to allow the added agents to become distributed before final refining. [Italics quoted.]

The plasticizing agents disclosed by appellants for use in their process are "non-accelerating and nitrogen-free sulfides and thio compounds of hydrocarbons and substituted hydrocarbons or hydrocarbon derivatives such as thiophenols or mercaptans, thio ethers or sulfides, etc." The acid materials disclosed by appellants for use in their process are "the higher fatty acids such as oleic and stearic acids," but the appellants state that rosin acids may also be used.

The Shepard et al. patent provides for a process of treating scorched rubber, and teaches that processes heretofore used in treating vulcanized rubber to obtain reclaimed rubber can be used to treat scorched rubber; also, that scorched rubber stocks "have been salvaged by the usual alkali or acid digestion processes or other so-called devulcanization methods of the reclaiming industry."

The Seaman et al. patent discloses the use of organic sulfides of the type employed by appellants for the softening or reclaiming of vulcanized rubber. It teaches that the vulcanized rubber may also be macerated and then treated directly with disulfides, and that this treatment may be accelerated by the use of elevated temperatures.

The Williams et al. patent provides for mixing the rubber with small amounts of acidic material and salts of thio acids. The salts include organic sulfides of the type described and claimed by appellants. The patent states that the compounds used will be effective at room temperature, although higher temperatures are preferred.

The Garvey patent shows a process for reclaiming vulcanized rubber by mixing the rubber with para thiocresol, one of the sulfur compounds used in appellants' process. It also shows other ingredients, including isuric acid, as being used, and that the composition is cured at 275° F. (185° C.).

The Castello patent shows a method of reclaiming vulcanized rubber in which the rubber is mixed with an organic sulfur compound and an organic acid, including stearic acid, "at low or medium mill temperatures."

The Examiner rejected all of the claims as unpatentable over Seaman et al., Williams et al., Garvey, or Castello, as well as Seaman et al., Garvey, or Castello in view of Shepard et al.

Claims 1, 3, 4, 5, 6, and 7 were further rejected as being broader than the invention alleged.

The Examiner additionally rejected claims 1, 2, 5, 6, and 7 as being too broad and indefinite; however, the Board in its decision held that the Examiner's rejection of those claims as too broad and indefinite as to "non-accelerating plasticizing organic sulfur compound" was based on the allegation that some of the compounds "may" be inoperative, and it did not affirm that rejection, citing *Ex parte Johnson*, 40 USPQ 576, and *Ex parte Rintleman*, 43 USPQ 283, which held that rejections on mere suspicion of inoperativeness are untenable.

It will be noted that appellants' process provides for mixing scorched rubber with a higher fatty acid and a suitable plasticizing agent. Numerous suitable plasticizing agents are mentioned, all of which are organic sulphur compounds, but excluding organic sulphur compounds containing nitrogen, which would be regarded as accelerators.

The Castello patent states:

> • • •. Organic materials which have the property of accelerating the vulcanisation of rubber are all peptising agents and the activity of the material as a peptising agent seems to be directly proportional to its accelerating activity.

That indicates the use of those compounds as accelerators.

We do not agree with the Board that the appellants' limitation of their plasticizers to non-accelerating organic sulphur compounds, in view of Castello's accelerating organic compounds, is "purely arbitrary." The Castello patent is chiefly of interest here, however, because of its teaching that a fatty acid (stearic acid) and organic sulphur compounds may be used in the reclamation of vulcanized rubber. Castello also teaches the use of relatively low temperatures (100° F.) in his reclaiming process.

The Garvey patent discloses the use of "a thiophenol" (the term being defined in the patent as being used in a generic sense to include aromatic mercaptans) as a reclaiming agent, together with a softener such as "oils" in the manufacture of reclaimed rubber. The Examiner held that "oils" customarily used in the art are "fatty oils consisting essentially of fatty acids." Appellants contend that the term "oils" as a part of the Garvey teaching is too nebulous to be used against them. However, we take notice of the fact that the chemical meaning of "oils" is as expressed at page 204, Karrer's Organic Chemistry, Elsevier Publishing Co. Inc., Third English Edition, Amsterdam, 1947:

> Fats and oils. The fats and oils are entirely glycerides, i. e. esters of the trihydric alcohol glycerol with *higher and middle fatty acids*. ° ° ° [Emphasis added.]

Therefore, it will be seen that Garvey's disclosure embraces certain of the very materials upon which appellants' method is based; viz., thiophenol, aromatic mercaptans, used in connection with fatty acids.

Appellants' basic contentions before us are: (1) that none of the patents cited teaches the equivalence of scorched rubber and vulcanized rubber as the subject matter of the reclaiming art directed to vulcanized rubber scrap; (2) that none of the patents cited incorporates the appellants' step of a waiting period following the preliminary mixing treatment of the stock, and preceding the refining of the product, which appellants' application asserts is advantageous in promoting the plasticizing action of the added fatty acid and plasticizer.

As to the first contention, appellants in their brief state: "The phenomenon of scorching may be considered a premature partial vulcanization but scorched stocks are in general distinguished in the rubber industry from vulcanized rubber." The Solicitor in his brief states, "Scorched rubber, therefore, is intermediate in its nature between raw rubber and completely vulcanized rubber, and is more closely related to each of these two than they are to each other." Appellants' application states: "During the mixing, calendering or tubing of rubber compounds, and particularly of compounds containing active accelerators, it sometimes happens that the heat generated or applied during the mixing, calendering or tubing operation is sufficient to start or cause vulcanization and to produce what is known as scorched stocks, which are unsuitable for use."

[1], [2] It is our view that scorched rubber is prematurely or partially vulcanized rubber, and there is no invention in applying to scorched rubber (prematurely or partially vulcanized rubber) methods or compounds old to the art as useful in reclaiming vulcanized rubber. We are of the opinion that the case of *In re Evans*, 35 CCPA (Patents) 776, 164 F.2d 621, 76 USPQ 115, 608 O. G. 5, is controlling on that issue, and we agree with the Board that it is not inventive to try the treatments of Garvey or Castello on scorched rubber.

With regard to the appellants' second contention, while it is true, as they state, that none of the references discloses an intermediate waiting step between the mixing and the refining steps, nevertheless we do not believe that appellants have distinguished their process from the others in a patentable way merely because of the introduction of the interval wherein the mixture is allowed to "stand."

Shepard et al. suggests the possible equivalence of vulcanized rubber reclamation and scorched rubber reclamation; Williams et al. teach the mixing of raw rubber with acidic material and organic sulfides (*In re Evans*, supra, extends this to the plasticizing of rubber generally); Seaman et al. teach the use of organic sulfides on vulcanized rubber to soften and reclaim it; Castello teaches the use of relatively low temperatures in reclaiming vulcanized rubber stock with a mixture of organic sulphur compounds (albeit accelerating) and an organic acid; and Garvey teaches the use of certain of the very softeners and plasticizers specified in appellants' application. In the face of all of this, will the appellants, in using what seems to be the fruits of those teachings, be heard to say that they are entitled to a patent because their application alone specifies a waiting period intermediate the processing of the scorched rubber stock? Where appellants have failed to establish clearly and conclusively a basis for the need of such a waiting period, its suggested desirability is not sufficient to distinguish the appellants' process as patentable over the prior art. As held by the Board, "no basis has been laid • • • for a need for waiting. Mere standing for an unspecified time is practically meaningless."

[3] For the foregoing reasons we agree with the finding of the tribunals of the Patent Office that all of the claims of appellants' application are unpatentable over the cited prior art. It is unnecessary for us to consider additional grounds of rejection. The decision of the Board of Appeals is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,700,985. (See 1,933,555.)

1,710,035, R. E. Thompson, Sound reproducing instrument; 1,755,114, L. A. Hazeltine, Uni-control signaling system; 1,755,115, same, Variable condenser; 1,833,065, V. C. MacNabb, Volume control, D. C. Del., Doc. 763, *The Crosley Corp.* v. *Hazeltine Corp.* Complaint dismissed with respect to each of above patents which have expired; 1,857,055, W. A. MacDonald, Coupling system; 2,048,528, 1,904,185, H. A. Wheeler, Low frequency amplifier; 1,934,940, J. M. Miller, Radio receiving apparatus; 2,007,253, W. A. MacDonald, Wave signaling system; Re. 19,744, H. A. Wheeler, Volume control, held not infringed by The Crosley Corp.; 2,111,483, C. E. Trube, Electric coupling system, held invalid; 1,951,685, H. A. Wheeler, Peak detector; 1,958,027, same, Emission valve modulation system; 2,015,327, same, Electron discharge device; 2,041,273, same, Amplifier volume control; 2,021,692, H. M. Lewis, Short wave receiver; Re. 20,400, same, Short wave converter; 2,041,291, J. K. Johnson, Detector circuit, claims 1, 2, 3, 5, 6 and 8 of 1,951,685, claims 3, 15, and 17 of 1,958,027, claims 1–5 inclusive of 2,015,327, claims 7 and 8 of 2,021,692, claims 1–12 inclusive of 2,041,273, claims 18 and 20 of 2,041,291, and claims 19, 22 and 25 of Re. 20,400 held valid and infringed; with respect to any and all matters in issue not specifically adjudicated herein, this action is dismissed Apr. 25, 1949.

1,755,114. (See 1,710,035.) 1,755,115. (See 1,710,035.)

1,819,811, E. Clemens, Button making machine; Re. 19,379 (of 1,843,944), same, Attachment for button making machines; 2,019,072, same, Machine for making buttons, filed Apr. 19, 1949, D. C. N. J., Doc. 247/49, *E. Clemens* v. *Button Corp. of America.*

1,833,065. (See 1,710,035.) 1,843,944. (See 1,819,811.)

1,857,055. (See 1,710,035.) 1,904,185. (See 1,710,035.)

1,911,903, 1,969,176, 2,109,620, 2,067,572, J. S. Kirby, Laundry machine, filed Apr. 21, 1949, D. C., N. D. Ohio, E. Div., Doc. 26409, *Nineteen Hundred Corp.* v. *The Apex Electrical Mfg. Co. et al.*

1,933,555, C. H. Jasper, Device for joining insulating wire terminals of electrical conductors; 1,700,985, same, Process and device for joining, finishing, and final insulating wire terminals of electrical conductors, D. C., S. D. N. Y., Doc. 43/445, *Ideal Industries, Inc., et al.* v. *Atlas Connector Corp.* Consent judgment, sustaining 1,933,555, adjudging infringement, and granting injunction Apr. 18, 1949.

1,934,940. (See 1,710,035.)

1,949,098, A. W. Becker, Windshield clearing device; 2,206,814, E. C. Horton, Windshield clearing system, D. C., S. D. Iowa (Des Moines) (Cedar Rapids, Doc. 315), Doc. 882, *Trico Products Corp.* v. *Eldora Mill & Mfg. Co.* Patents held invalid, petition, and counterclaim dismissed Apr. 16, 1949. Doc. 863, *Trico Products Corp.* v. *The Delman Corp.* Decree as above.

1,951,685. (See 1,710,035.)

1,957,781, G. H. Hufferd, Joint; 2,049,163, same, Threaded joint; 2,009,401, Hufferd & Graham, Joint, filed Apr. 25, 1949, D. C. N. J., Doc. 280/49, *Thompson Products, Inc.* v. *Tool-A-Matic Machine Co., Inc.*

1,958,027. (See 1,710,035.) 1,969,175. (See 1,911,903.)

2,007,253. (See 1,710,035.) 2,009,401. (See 1,957,781.)

2,015,327. (See 1,710,035.) 2,019,072. (See 1,819,811.)

2,021,692. (See 1,710,035.) 2,041,273. (See 1,710,035.)

2,041,291. (See 1,710,035.)

2,044,176, L. McCulloch, Non-inflammable paints, filed Feb. 21, 1949, D. C., S. D. Ohio, E. Div., Doc. 2397, *Wm. E. Hooper & Sons Co.* v. *The Buckeye Fabric Finishing Co.* (To correct error in 621 O. G., p. 12, formerly published as 2,044,186).

2,048,528. (See 1,710,035.) 2,049,163. (See 1,957,781.)

2,067,572. (See 1,911,903.) 2,109,620. (See 1,911,903.)

2,111,483. (See 1,710,035.)

2,127,565, King & Geisert, Rib pistol and revolver sight; 2,159,527, D. W. King, Firearm hammer; T. M. 353, 691, same, Asymmetrical pistol hammer, filed Mar. 7, 1949, D. C., N. D. Calif., S. Div., Doc. 28669–H, *King Gun Sight Co., Inc.* v. *Micro Sight Co., Inc., et al.*

2,134,676, L. G. Sommers, Edge buffing wheel, filed Apr. 11, 1949, D. C., N. D. Ill., E. Div., Doc. 49c626, *Joseph R. Davies & Associates* v. *Bernard Zane et al.*

2,159,527. (See 2,127,565.) 2,206,814. (See 1,940,008.)

2,255,611, J. H. Brown, Hat fastener, filed Apr. 20, 1949, D. C., S. D. N. Y., Doc. 49/770, *M. D. Scheffler* v. *Albee Sales Co., Inc., et al.*

2,324,743. (See Des. 125,576.)

2,343,277, L. Clark, Combined package and holder; 2,387,059, same, Seat-cover package, filed Apr. 4, 1949, D. C., S. D. Calif., C. Div., Doc. 9479–B, *Protecto Products Co., Inc.* v. *Best Maintenance Supply Co.*

2,387,059. (See 2,343,277.)

2,416,204, T. Nelson, Vented molding ferrule for electric stud welding; Re. 22,411, E. F. Nelson, Welding organization, D. C. N. J. (Trenton), Doc. 10089, *Morton Gregory Corp.* v. *K. S. M. Products, Inc., et al.* Consent decree Apr. 22, 1949.

2,467,006, A. Bliss, Adjustable strap and tongue buckle for use therewith, filed Apr. 21, 1949, D. C., E. D. Pa., Doc. 9611, *A. G. Bliss Co. et al.* v. *Samuel Edelstein & Sons.*

Re. 19,379. (See 1,819,811.)

Re. 19,744. (See 1,710,035.)

Re. 20,400. (See 1,710,035.)

Re. 22,221, R. E. Mayo, Air-conditioned tobacco barn, filed Apr. 22, 1949, D. C., E. D. S. C. (Charleston), Doc. 2230, *Florence-Mayo Nursery Co.* v. *Turner Implement Co.*

Re. 22,411. (See 2,416,204.)

Des. 107,672, V. S. Austin, Doll, filed Apr. 22, 1949, D. C., E. D. N. Y., Doc. 9913, *Curtis Crafts* v. *Minerva Toy Co. et al.*

Des. 125,576, D. E. Walker, Door and window grille; 2,324,743, same, Adjustable grille; T. M. 407,675, same, Metal grille fencing, trellises, and gates, filed Apr. 13, 1949, D. C., S. D. Fla. (Tampa), Doc. 1721–T, *Art Craft Metal Work* v. *Sparrow Lumber Co.*

Des. 151,782, C. N. Munn, Handbag, filed Apr. 18, 1949, D. C., S. D. N. Y., Doc. 49/734, *Carrie Munn* v. *Saks & Co.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 76,338, T. M. 272,738, Delta Star Electric Co., Electrical specialties, filed Apr. 14, 1949, D. C., E. D. Mich., S. Div., Doc. 8099, *Delta-Star Electric Co. (Chicago)* v. *Delta-Star Electric Co. (Detroit)*.

T. M. 272,738. (See T. M. 76,338.)

T. M. 309,256, Q-Tips, Inc., Swabs, filed Apr. 25, 1949, D. C. N. J. (Trenton), Doc. 284/49, *Q-Tips, Inc.* v. *Johnson & Johnson.*

T. M. 353,691. (See 2,127,565.)

T. M. 407,675. (See Des. 125,576.)

NOTICES

Adjudicated Patents

(D. C. Wis.) Crowley Patent No. 2,272,965, for a vulcanising clamp. Claims 2, 4, 8, 9, and 16 *Held* invalid. *Dill Mfg. Co.* v. *J. W. Speaker Corp.*, 83 F. Supp. 21; 81 USPQ —.

(D. C. Wis.) Crowley Reissue Patent No. 21,230 for a vulcanising unit. Claims 6–13 *Held* invalid. *Dill Mfg. Co.* v. *J. W. Speaker Corp.*, 83 F. Supp. 21; 81 USPQ —.

(D. C. Wis.) Van Dyke Reissue Patent No. 21,232, for a vulcanising unit. Claims 7 and 8 *Held* invalid. *Dill Mfg. Co.* v. *J. W. Speaker Corp.*, 83 F. Supp. 21; 81 USPQ —.

Disclaimer

2,152,278.—*Richard D. Clemson*, Middletown, N. Y. MOWER. Patent dated Mar. 28, 1939. Disclaimer filed Apr. 26, 1949, by the assignee, *Clemson Bros., Inc.*

Hereby enters this disclaimer to claims 1 and 2 of said patent.

Cancellation Notices

Verne H. Carter, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Grace Bros. Brewing Co., Second and Wilson Sts., Santa Rosa, Calif., to effect the cancellation of trade-mark registration of Verne H. Carter, 3994 San Pablo Ave., Emeryville, Calif., No. 317,650, dated October 9, 1934, and the notice of such proceeding sent by registered mail to the said Verne H. Carter at the said address having been returned by the post office undelivered, notice is hereby given that unless said Verne H. Carter, his assigne or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

April 28, 1949.

Nathan Manis, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Perfect Negligee Co., 16 East 34th St., New York, N. Y., to effect the cancellation of trade-mark registration of Nathan Manis, c/o Marna Undergarment Co., 37 East 28th St., New York 16, N. Y., No. 502,764, dated October 5, 1948, and the notice of such proceeding sent by registered mail to the said Manis at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Nathan Manis, his assigne or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

May 9, 1949.

Interference Notices

Weldon M. Ward, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Portis Style Industries, Inc., 320 West Ohio St., Chicago, Ill., for registration of a trade-mark and Registration No. 285,034, issued December 10, 1929, to Weldon M. Ward, 18 East 27th St., New York, N. Y., and the notice of such declaration sent by registered mail to the said Ward at the said address having been returned by the post office undeliverable, notice is hereby given that unless Weldon M. Ward, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

May 9, 1949.

Levy, Forman & Co., Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Powell & Campbell, Inc., 122 Duane St., New York, N. Y., for registration of a trade-mark and Registration No. 286,758, issued September 1, 1931, to Levy, Forman & Co., Inc., 710 Broadway, New York, N. Y. The assignment records of this Office show a transfer of title to this registration to Robert J. Levy, % Maurice Schwartz & Co., 1450 Broadway, New York, N. Y., who has been substituted for said Levy, Forman & Co., Inc. to defend the registration concerned. The notice of such declaration sent by registered mail to the said Robert J. Levy, at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Robert J. Levy, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

April 29, 1949.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The following 28 patents, dealing principally with electrode systems, are offered for license on reasonable terms by the Philips Laboratories, Inc., 100 East Forty-Second St., New York, 17, N. Y.

Pat. 1,988,116. ELECTRODE SYSTEM. Patented Jan. 15, 1935. System formed by two electrodes of different materials separated by a thin intermediate layer of a third material. At least one of the electrodes is made up of a powdery substance and a binder such as copper iodide and iodine pressed on a metallic gauze framework. Zirconium and zirconium oxide may compose the second electrode. Group 36—19. Reg. No. 19,549.

Pat. 2,002,221. DRY RECTIFIER. Patented May 21, 1935. Dry rectifier cell consists of two layers of substances having different electron radiations and a very thin intermediate layer of a non-conductive substance such as lacquer sprayed on one of the outside layers. During operation of the rectifier the non-conductive substance remains cold and non-ionized. Thus a very compact rectifier is obtained in a simple manner, and a great number of cells may be built up entirely by successive sprays. Group 36—19. Reg. No. 19,550.

Pat. 2,041,569. ELECTRODE SYSTEM HAVING UNSYMMETRICAL CONDUCTIVITY. Patented May 19, 1936. A glass tube having metal contact caps at each end is provided with a silvered inner surface which constitutes a positive element. A conductor (which comprises a small spring) coated with common salt extends between the caps and includes a readily fusible wire section. Sufficient voltage is passed through the conductor to volatilise the salt so that it is deposited as a film on the silvered surface. A suitable vapor is then admitted to the tube to deposit an intermediate layer that will be adsorbed by the salt film. Current of greater intensity is then passed through the conductor to fuse the wire section and release the spring. The spring contacts the adsorbed layer connecting it with the cap. The tube is then exhausted and filled with an inert gas if desired, after which it is ready for use as a detector for radio signals, etc. Group 36—19—92. Reg. No. 19,551.

Pat. 2,109,879. ASYMMETRIC ELECTRODE SYSTEM. Patented Mar. 1, 1938. In the construction of an electrode system having unsymmetrical conductivity, successive layers of nickel and chromium are applied as an anti-corrosive coating to an aluminum base. To improve the adherence of a selenium electrode insulated with a polystyrene coating, carbon is applied as an intermediate layer. The system is completed by insertion of a supply conductor in a counter-electrode formed by a drop of Wood's metal directly over the insulating coating. Group 36—19. Reg. No. 19,552.

Pat. 2,137,316. ELECTRODE SYSTEM AND METHOD OF MAKING SAME. Patented Nov. 22, 1938. Electrode consists substantially of selenium and an insulating metal salt or oxide (not easily soluble in water) to retain its insulating properties under atmospheric conditions and a second electrode of conductive material insulated from the first electrode by a layer of salt or an oxide between the electrodes. Group 36—19. Reg. No. 19,553.

Pat. 2,137,428. ELECTRODE SYSTEM OF UNSYMMETRICAL CONDUCTIVITY. Patented Nov. 22, 1938. The conductivity of a selenium electrode is increased by incorporating conductive substances in finely divided condition. For example, collodion to which a drop of gold varnish has been applied as a second electrode, is utilised as a blocking layer on a selenium-coated iron disk. A connecting wire inserted in the varnish is secured when the varnish dries. Many modifications are shown. Group 36—19. Reg. No. 19,554.

Pat. 2,139,731. ASYMMETRIC ELECTRODE SYSTEM. Patented Dec. 13, 1938. A number of metal electrodes are separated by a layer of selenium and an insulating coating of artificial resin which incorporates powdered mica particles. Group 36—19. Reg. No. 19,555.

Pat. 2,156,660. ELECTRODE SYSTEM. Patented May 2, 1939. Electrode system for rectifying or controlling high or intermediate frequency electrical oscillations includes a positive iron electrode and a negative selenium electrode separated by a solid insulating coating of polystyrene. One of the electrodes has a contact end of small cross section which is embedded in insulating material. Group 36—19. Reg. No. 19,558.

Pat. 2,161,600. ELECTRODE SYSTEM FOR RECTIFYING OR CONTROLLING HIGH OR INTERMEDIATE FREQUENCY OSCILLATIONS. Patented June 6, 1939. Electro-positive electrode of a bismuth, tin, and tin alloy and a selenium electro-negative electrode are insulated by a coating of polystyrene. At least one of the capacity determining parts of the system is formed with the aid of a mass in liquid state in such a manner that the contact surface determining the electrostatic capacitance is limited. Group 36—19. Reg. No. 19,557.

Pat. 2,161,601. ELECTRODE SYSTEM. Patented June 6, 1939. Dry rectifier cell consists of a semi-conducting material such as cuprous sulphide applied to a copper carrier. An iron rod provided with a contact end of small diameter bears on the carrier, but is separated from the semi-conducting material by an interposed layer of insulating material such as silicon dioxide. Group 36—19. Reg. No. 19,558.

Pat. 2,162,613. ELECTRODE SYSTEM AND METHOD OF MAKING SAME. Patented June 13, 1939. Utilises a first electrode consisting of a mixture of selenium and a halide which is readily hydrolyzable with water to form a solid and stable insulating oxide; an intermediate blocking layer between the first electrode and a second electrode of different conductivity (iron or alloy). The blocking layer is formed by the metal oxide and the non-volatile halide present at the surface of the first electrode. Group 36—19. Reg. No. 19,559.

Pat. 2,173,249. ASYMMETRIC ELECTRODE SYSTEM. Patented Sept. 19, 1939. Conductivity of selenium is increased considerably by the addition of .05–1% bismuth iodide or the like. Group 36—19. Reg. No. 19,560.

Pat. 2,173,904. ELECTRODE SYSTEM OF UNSYMMETRICAL CONDUCTIVITY. Patented Sept. 26, 1939. Electrode system is formed by two layers of different emitting capacity such as silver or copper and selenium separated from each other by a layer of insulating material such as an artificial resin. Embedded within the insulating material is a grid of oxidized aluminum or the like provided with a supply conductor for applying potentials for the control of the electron current or for screening purposes. Group 36—19. Reg. No. 19,561.

Pat. 2,244,664. METHOD OF BUILDING UP STRATIFIED ELECTRODE SYSTEMS. Patented June 10, 1941. In manufacturing stratified electrode elements, a quantity of electrode and blocking layer material is applied to the center of a plate which is then rotated to distribute the material centrifugally. Several disks are then cut from the plate which may be used in combination with complementary electrodes. Group 36—19. Reg. No. 19,562.

Pat. 2,261,618. BLOCKING-LAYER ELECTRODE SYSTEM. Patented Nov. 4, 1941. This electrode system is characterized by an aluminum carrier plate having a selenium layer whose upper side carries a thin blocking layer. A rigid connection between the plate and contact carrier on the other side of the blocking layer is established by a shell which laterally embraces the whole electrode. The contact carrier is in the form of a disk, and an entry channel to the underlying electrode system is constituted by a central bore. Group 36—19. Reg. No. 19,563.

Pat. 2,264,464. METHOD OF MAKING ELECTRODE SYSTEMS. Patented Dec. 2, 1941. Method of making electrode systems by which the selenium acquires an advantageous value and improved electrical properties. Selenium is cooled during pressing from a temperature slightly below its melting point to a temperature between 180° and 140° C., preferably about 160° C., after which it is cooled down to room temperature without the use of pressure. Group 36—19. Reg. No. 19,564.

Pat. 2,288,341. BLOCKING LAYER ELECTRODE SYSTEM. Patented June 30, 1942. This electrode system is arranged so that the entire active surface is contacted by a cooling liquid. This dissipates the heat as rapidly as possible through the surface at which it is produced. As a further aid in obtaining the cooling result, spacing pieces are provided between the various cells. Group 36—19. Reg. No. 19,565.

Pat. 2,302,087. BLOCKING-LAYER RECTIFIER. Patented Nov. 17, 1942. This invention relates to a blocking-layer rectifier in which the electrode is mounted on a metallic carrier plate. Heat is dissipated by a separate cooling plate used in conducting contact with the metallic carrier plate. A spacer is centrally arranged between the cooling plate and the carrier plate so that a major part of the plates is exposed to a cooling fluid. Group 36—19. Reg. No. 19,566.

Pat. 2,303,522. METHOD OF MANUFACTURING BLOCKING-LAYER ELECTRODE SYSTEMS. Patented Dec. 1, 1942. Heat-treating selenium in stages and at increasing temperatures to convert it from a non-conducting amorphous form, to a poor-conducting crystalline form, to a final modification exhibiting good conductivity suitable for blocking-layer electrode systems. Group 36—19. Reg. No. 19,567.

Pat. 2,303,774. METHOD OF MAKING A STRATIFIED ELECTRODE SYSTEM. Patented Dec. 1, 1942. Manufacture of a blocking-layer rectifier having a semi-conducting electrode of selenium: Carbon in suspension is applied to part of the surface of a metal carrier and distributed as a thin layer by rotation of the carrier. A carbon layer is formed by volatilization after which molten selenium is applied and distributed in a similar manner over the carbon layer. Group 36—19. Reg. No. 19,568.

Pat. 2,303,801. BLOCKING-LAYER CELL. Patented Dec. 1, 1942. Cell comprises a supporting plate which carries an electrode and blocking-layer system including an outer layer of a metallic material having a low melting point. A thin substantially unstressed metal strip serves as a current conductor and has one end thermally connected to the material of the outer layer. Group 36—19. Reg. No. 19,569.

Pat. 2,310,002. METHOD OF MAKING BLOCKING LAYER ELECTRODE SYSTEMS. Patented Feb. 2, 1943. A method whereby a relatively thin coating of a powdered material may be firmly applied to a carrier for such purposes as the construction of cathode-ray tubes, photo-electric cells, etc. In making a cathode-ray tube, for example, a tungsten carrier is coated first with a silver film by electro-deposition, and then sprayed with zinc sulphide, after which it is heated to approximately 1050° C. The silver melts and a good mechanical connection is obtained between the zinc sulphide powder and the tungsten carrier. Group 36—19. Reg. No. 19,570.

Pat. 2,369,772. APPARATUS FOR RECTIFICATION AND VOLTAGE INCREASE. Patented Feb. 20, 1945. Voltage-multiplier rectifier assembly comprises cascade-connected, rod-shaped blocking-layer rectifier elements and condensers arranged in several groups. Each of the groups is in line with the other and includes a T-shaped arrangement of two rectifier elements and two condensers. The condensers are arranged below the transversely located rectifier element so that the remaining rectifier element is flanked on opposite sides. Group 36—19. Reg. No. 19,571.

Pat. 2,428,400. BLOCKING-LAYER CELLS COMPRISING ONE OR MORE GRIDS EMBEDDED IN THE BLOCKING LAYER. Patented Oct. 7, 1947. Cell construction includes at least one grid embedded in an interposed barrier layer between anode and cathode. The grid extends over an area materially smaller than that covered by the anode. To reach the grid, a metallic supply conductor extends through a cut-out in the anode. The conductor is spaced from the anode a distance which exceeds the distance between the grid and anode by an insulating shield. Group 36—19. Reg. No. 19,572.

Pat. 2,433,752. BLOCKING-LAYER CELL. Patented Dec. 30, 1947. A method for manufacturing blocking cells: A layer of semi-conductive material such as lead sulfide is placed between two spaced and concentrically arranged copper and magnesium conductor elements. To gain intimate contact, the conductors and semi-conductive layer are elongated until the required size is obtained. The result is a blocking-layer cell of great strength from which cells of desired current load may be cut. Group 36—19. Reg. No. 19,573.

Pat. 2,443,878. METHOD OF MANUFACTURING SELENIUM CELLS. Patented June 22, 1948. Good adhesion is obtained between a selenium layer electrode and a conductive electrode by forming a selenium layer on a base and then converting the selenium layer into a crystal modification by heating the whole at a temperature greater than 120° C., under vacuum. Group 36—19. Reg. No. 19,574.

Pat. 2,449,420. ELECTRODE SYSTEM. Patented Sept. 14, 1948. A supporting base carries a common selenium electrode on which a blocking layer is formed. A number of electrodes are insulated from each other by strips of the blocking layer and interconnected by zinc members and an insulating layer consisting of a zinc and selenium compound interposed between each of the zinc members and the blocking layer strips. Group 36—19. Reg. No. 19,575.

Pat. 2,456,758. BLOCKING-LAYER ELECTRODE SYSTEM. Patented Dec. 21, 1948. In this cell anode and cathode electrodes are separated by a blocking layer in which a selenium grid is embedded. The anode consists of a material such as cuprous iodide which will have a higher electron emissive capacity than that of the cathode which is made of copper. The selenium grid is coated with cuprous iodide on the side facing the anode and copper on the side that faces the cathode so that the electron emissive capacity is no greater than either of the electrodes. Group 36—19. Reg. No. 19,576.

Pat. 2,450,136. WRIST WATCH BAND. Patented Sept. 28, 1948. Bracelet for supporting a wrist watch is made of a completely wrapped spring metal band bent to partially encircle the wrist. Wrapping consists of strips of plastic material. The first layer of strips extend lengthwise and are turned over ends of metal band. Completely enclosing this layer is a second layer, of a continuous strip wrapped round and round the band. Between these transverse windings, loops of the longitudinal strips protrude at various points to engage the pins of a watch. Loops are provided to accommodate watches of different sizes. (Owner) Robert L. Hamilton, 2119 Second Ave., North, Birmingham, Ala. Groups 34—61; 39—81; 40. Reg. No. 19,577.

Pat. 2,454,778. ELECTRICAL CONTROL SYSTEM. Patented Nov. 30, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) This patent relates primarily to an automatic electrical control system for a Diesel-electric marine propulsion system. Generally described, the field circuit includes a variable resistance in series connection controlled by a number of solenoids. One solenoid is responsive to motor speed, a second to generated current, and a third which opposes the others. The third solenoid is adjustable to provide ampere-turns less or greater than the other two solenoids so that a constant speed may be automatically maintained regardless of changing motor and propeller torque, and a stable field excitation supplied at all current requirements. (Owner) Herman H. Curry, Box 187, Inverness, Fla. Group 36—19—41. Reg. No 19,578.

Pat. 2,460,730. CIGARETTE CONTAINER. Patented Feb. 1, 1949. Plastic cigarette container simulating a miniature statue of a woman has a rigid hoop type skirt which may be lowered to expose the cigarettes. When released, a coil spring will return skirt to normal position with its upper end abutting the flaring lower end of simulated clothing formed integrally with statue. The lower ends of cigarettes rest on a disk rigidly secured to the legs below the knees. The spring is disposed between the disk and a ring which is connected by radiating arms to a band inside the upper end of skirt. (Owner) David H. Bell, Route 7, Box 529-P, Overland 14, Mo. Groups 39—72; 39—81; 40. Reg. No. 19,579.

Pat. 2,278,768. POWER DRIVE FOR PIPE THREADING MACHINES. Patented Apr. 7, 1942. Speed reduction power drive mechanism for pipe threading machines may be part of the original equipment or supplied as an attachment for existing types of machines. It consists of a substantially triangular base plate having a train of speed reduction gears rotatably mounted on one side with a flexible power shaft for driving the gears. The plate is adapted to be rigidly secured to the outer end of the usual gear driven rotary stock of a pipe threading machine so that the plate will rotate with stock. When so mounted, the flexible shaft is disposed substantially axially of the axis of rotation of the stock with the train of gears extending radially outwardly in driving relation with the usual stock driving shaft of machine. When desired, a change from a high to a low speed reduction, or vice versa, may be readily effected without changing the base plate by replacing one train of gears with another train. (Owner) Percy L. Calvert, 210 East Washington, Salem, Oreg. Group 35—43. Reg. No. 19,580.

Pat. 2,457,309. CHANGEABLE DECORATIVE FABRIC. Patented Dec. 28, 1948. This patent shows a piece of fabric consisting of a series of geometrically shaped units connected so that a change in color or design, or both, may be rapidly accomplished by folding back certain parts. Any kind of fabric and any geometric shape may be utilized. In the patent two identical diamond-shaped pieces of fabric (one black and one white) are placed back to back with their points coinciding and connected along two edges. The other edges are left free to permit portions to be folded in either direction to expose either side. In assembling units to form a piece of fabric, single thickness portions of one unit are connected to an adjacent single thickness portion of a corresponding unit of the same size and shape. (Owner) Atha-Lane Joyce, Apt. 20, 2659 Connecticut Ave., Washington 8, D. C. Groups 22—11—44; 23—11—29—X1—32—33—39—91—92. Reg. No. 19,581.

Pat. 2,445,104. FUEL CARBURETING MEANS. Patented July 13, 1948. A device for mixing air and oil and feeding the mixture to a heating furnace, internal combustion engine, or the like. A pump mounted on a closure plate for an oil tank is operated by an electric motor. A disk in air intake tube of pump has a central opening closed by a slotted tube which is moved up and down by a cap at top of air intake tube to regulate the air intake. The pump also draws oil from the tank through a pipe connecting the oil tank and air intake tube and mixes it with the air and blows the mixture through a pipe connected to the burner in the furnace. Modifications given. (Owner) Nellie M. Satterfield, Box 8, Lexington, Ohio. Groups 33—63; 35—19. Reg. No. 19,582.

Pat. 2,460,552. KNIFE SHARPENER. Patented Feb. 1, 1949. Household knife sharpener consists of three long tubular stones normally carried in spaced-apart relation on the ends of the arms of a resilient U-shaped handle. Two of the stones are carried on the U-shaped end of one of the arms so that the other stone may be swung inwardly between them. The stones are rotatably and removably mounted on long rods screwed axially into the ends of the arms. The arms may be pressed together with one hand to angularly cross the stones so that two stones will engage one side of the upturned cutting edge of a knife and the other stone the opposite side. The blade will frictionally rotate the stones when drawn back and forth across them. Modification shown. (Owner) S. Tarapczynski, 327 13th St., Niagara Falls 5, N. Y. Groups 32—91; 33—59; 40. Reg. No. 19,583.

Pat. 2,438,613. PROTECTING APRON FOR IRONING BOARDS. Patented Jan. 11, 1949. An apron for protection of articles depending from ironing board consists of a skirt and a base section. Skirt, made of two pieces of fabric sewed together at front and encircling the supports of the ironing board, is held by a drawstring at top and by suitable fasteners to underside of board. Base section, also of two pieces sewed together at front, is stitched to bottom edge of skirt and lies on floor to protect articles. (Owner) Ethel S. Lyon, P. O. Box 1515, Williamsburg, Va. Group 23—86—93—95. Reg. No. 19,584.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING APRIL, 1949

The Virgin Islands Company **v. *W. A. Taylor & Company*, 171 Ms. D. 268, 81 USPQ 212 (Apr. 18, 1949), Cancellation Nos. 4728 and 4729. "Government House" is not inherently incapable of adoption and use as trade-mark because of governmental signification. Government corporation may not recoop registrations where it authorized exclusive distributor to register marks in his own name and at his own expense. Nonuse of mark is not shown where reduced sales continue and registrant has stock of goods in warehouse and in hands of wholesalers and retailers.**

DANIELS, *Assistant Commissioner:*

Petitioner appeals from the decision of the Examiner of Trade-Mark Interferences dismissing its petitions for cancellation of two registrations of trade-marks for rum, both registered under the Trade-Mark Act of February 20, 1905. The trade-mark disclosed in Registration No. 347,778, registered July 6, 1937, involved in cancellation No. 4729, consists of the words "GOVERNMENT HOUSE"; the trade-mark disclosed in Registration No. 350,837, registered October 5, 1937, involved in cancellation No. 4728, consists of a tropical land and sea scene, including a colonial mansion overlooking a harbor, together with the representation of a sail boat.

These cases have been submitted on the same record and briefs, and while certain considerations applying to the words may not apply to the pictorial trade-mark, at least to the same degree, they were disposed of by the Examiner of Interferences in a single decision and will be so considered on this appeal.

It is petitioner's contention in requesting these cancellations, pursuant to section 13 of the Trade-Mark Act of 1905, that respondent was not entitled to the use of the marks shown in the registrations at the time of its application for registration thereof, because:

"(a) by right of prior adoption and use of the marks and because of their inherent and acquired governmental signification, the Government, through petitioner, has at all times been the owner thereof, and

(b) the marks are not a proper subject matter for registration by a private party such as respondent * * *."

It is further contended by petitioner that the marks should be canceled in accordance with section 13, supra, in view of nonuse thereof by respondent.

Petitioner is a corporation chartered by the Colonial Council for St. Thomas and St. John of the Virgin Islands, on April 9, 1934. Its three shares of stocks are owned by the Secretary of the Interior, the Assistant Secretary of the Interior, and the Governor of the Virgin Islands, in trust for their successors in office, the beneficial interest in these shares being held for the Government of the United States.

It was organized by the officials above named, then in office, for the purpose of assisting in the economic rehabilitation of the Virgin Islands, which at the time were suffering from acute conditions of depression, and to relieve unemployment in the Islands which was then widespread. The corporate charter gives the petitioner broad powers to engage in all types of business and manufacturing, to purchase, sell, mortgage, lease, and otherwise deal in all kinds of real and personal property, and, in general, to carry on all other business which might be necessary, or desirable, to carry out its objectives. The charter provides that it may sue or be sued in its corporate name.

Shortly after its organization in April, 1934, petitioner entered into certain operating agreements with the United States of America, acting through the Secretary of the Interior, by the terms of which it undertook the management of certain estates and properties (including a distillery) in the Virgin Islands, which property had been purchased by the Government with funds supplied by the Federal Works Administration. Under the terms of these operating agreements, the records of receipts and expenditures of the corporation were to be maintained and audited as prescribed by the Auditor General and the Secretary of the Interior of the United States. Petitioner has continued to operate such property and to provide employment for the residents of the Virgin Islands. It has engaged in the raising of sugar cane on the properties turned over to its management under the operating agreements, and has manufactured rum, utilizing the cane raised through its agricultural activities. The raising of the cane provided extensive employment in the Islands, but has been an unprofitable endeavor, the rum operation being relied upon for the income necessary to carry on the other business of the corporation and to carry out its economic and social objectives. It has also engaged in certain other types of farming and certain other business activities not pertinent to this proceeding, and which constituted only a small portion of its activity. As stated by the witness Ickes, "it was a rum operation primarily." (Record P.39.)

When the property was taken over, some rum was on hand, and the distillery first produced rum under petitioner's management in the spring of 1935. By late 1936 a stock of rum sufficiently aged for the market had been built up, but only a few small sales in bulk and under the name "St. Croix Rum" had been made. To continue the distilling operation and to finance the business of petitioner and carry out its objectives, it was necessary to find a sales outlet or outlets for the rum. After investigation of potential markets, marketing methods, and negotiations looking toward prospective

outlets for the rum produced and to be produced, petitioner on October 8, 1936, entered into an agreement with respondent (petitioner's Exhibit 8) by the terms of which respondent was appointed "sole agent and distributor for the United States of America" to market and sell such rum. The contract was to continue in force for a period of one year with an automatic renewal for the period of two years, unless terminated by respondent. The rum was to be sold to respondent f. o. b. steamship at St. Croix, Virgin Islands, title passing to respondent at that point; transportation, freight, and other charges to be paid by respondent. Suitable provisions as to price, packaging, and other usual terms were included. It was specifically agreed that none of the advertising or labels of respondent "shall contain any reference to the United States Government or the Federal Government," unless first approved by the Secretary of the Interior. The contract included a specific paragraph as to trade-marks, as follows:

"11. TRADE-MARKS. The brand and trade-marks shall be the property of the importer (respondent) and may be registered by it in its name. If at the end of one year from the date hereof the importer does not renew this contract then the importer agrees to transfer and assign the trade-mark and any registration thereof to the shipper. If said contract is renewed for a period of two years and during the period this contract is in effect the importer shall liquidate its business or discontinue the importation or sale of alcohol liquor, then the shipper shall have the option to purchase the trade-mark either in its own name or in the name of its assignee or designee. In the event the shipper exercises the option to purchase said trade-mark the shipper shall pay the importer a price to be determined by the appraisal of two appraisers, one of whom shall be appointed by the shipper and the other by the importer, with power to such appraisers to appoint a third appraiser in case they cannot agree. The shipper for sixty days after such appraisal shall have been made and a copy delivered to the shipper shall have the option of purchasing said trade-mark and any registration thereof; such option to be expressed in writing, and on the payment of said appraisal amount within sixty days after October 8th, 1939, the importer shall deliver to the shipper an assignment in form sufficient to convey good title to said trade-mark and any registration thereof to the shipper, and also in form to record any assignment of registration of trade-mark in the United States Patent Office. Any assignment of trade-mark hereunder shall not include the name of W. A. Taylor & Company or Taylor. After any assignment of the trade-mark the importer may continue to sell any rum it has on hand without re-labelling in the event shipper does not purchase or cause the purchase of said rum on hand as hereinafter provided." [Petitioner's Exhibit 8.]

A number of modifications in this agreement (not pertinent to any questions here involved) occurred during the actual operation, and on November 30, 1936, the automatic extension of its term was changed from two years to five years. (Petitioner's Exhibit 9.) On March 30, 1940, the original agreement was terminated by consent and a new agreement for a term of five years (petitioner's Exhibit 16) was executed by the parties in place thereof. While there were certain changes in the provisions of the new contract, which have no bearing on any points here under consideration, the principal provisions and method of operation were the same. With respect to trade-marks, paragraph 11 was retained with the exception of the introductory sentences, which were changed and read as follows:

"11. Trade-Marks. The brand and trade-marks are and shall continue to be the property of the importer and may be registered and reregistered by it in its name. If during the period this contract is in effect the importer shall liquidate its business or discontinue the importation or sale of alcoholic liquor, then the shipper shall have the option to purchase the trade-mark either in its own name or in the name of its assignee or designee."

The first labels were delivered to the distillery to be used on bottles for shipment to the respondent on March 16, 1937, and the first sale of rum under such labels was made by petitioner on March 23, 1937. Thereafter, the parties operated under the agreement referred to until the expiration of the last mentioned contract (petitioner's Exhibit 16), which by its terms expired on March 30, 1945, and was not renewed.

The trade-marks shown in the registrations sought to be canceled were selected shortly after the execution of the first agreement between the parties on October 8, 1936 (petitioner's Exhibit 8, supra), both having been used together on all sales of the rum by respondent at all times. There is much testimony in the record as to the circumstances surrounding their adoption and the reasons therefor. Upon signing the contract both parties to the agreement were anxious to begin the actual sales of the rum, and various names were suggested, both through respondent's advertising staff and agency and petitioner's personnel, and Government officials who were interested in the petitioner's activities. That some name having a governmental connection was considered desirable is evident from the testimony and exhibits. This was not, however, the only basis of selection. The actual name "GOVERNMENT HOUSE" was suggested by the then Governor of the Virgin Islands, who stated that it had both a "governmental connotation" and a "West Indian and tropical connotation," it being explained that "governors and chief executives in the West Indies reside in Government houses rather than in executive mansions." As stated by the then Secretary of the Interior, in his testimony (Record page 30), the name was considered desirable as indicating "that it was a Government inspired product." In recommending its adoption, after various other marks had been considered and dropped, either because they were considered undesirable or were found to be unavailable, the then Governor Cramer stated:

"The merit of the name is that it has a definite governmental connotation and especially a West Indian and tropical connotation. As you know governors and chief executives in the West Indies reside in Government houses rather than in executive mansions. Although that fact may not be known to the rank and file of people in the United States, it is known to many of the vast horde which annually takes part in the mass tourist movement into the Caribbean. It would not be difficult to establish the meaning of the name by appropriate advertising throughout the country. The name seems to me to have dignity, which the other two names mentioned above cannot be said to have. Parenthetically I may add that the name is also a true statement of fact. At the present time, at least, VICO rum is the *vin de pays* which is served at Government House on all appropriate occasions." (Petitioner's Exhibit 28, dated January 8, 1937.)

In petitioner's Exhibit 3 commenting upon this recommendation it was stated:

"'Government House' has a further tropical connotation. In all colonial possessions there is a 'Government House.' It connotes dignity, good taste, good quality. It suggests that this brand is the kind which the Governor himself consumes. With a proper label, the idea of a mellow mansion steeped in tradition is further emphasized. The appended sample label prepared at my request can be improved upon."

It is clear that the representatives of the petitioner and the other interested Government officials, anxious to promote the commercial enterprise neces-

sary to carry out the economic and social objectives which inspired their interest, were active in proposing that these marks be adopted, and cooperated with respondent in connection therewith. Respondent, however, also participated, and was the one who was actually required to accept and adopt the mark in accordance with the contract. Respondent actually prepared the labels, paid the artist, and caused them to be manufactured.

In considering the petitioner's contentions as to ownership of the marks, it should be remembered that at the time the parties entered into their first agreement, petitioner had a substantial amount of rum on hand, but no channels for distributing it, except for the few bulk sales above referred to. Having no trade, it had no trade-marks, and until suitable provision for packaging and distributing the product was made, no good will could become associated with such rum. The respondent supplied this requirement. At the time of entering into the contracts above referred to, and at the time of the original use of these marks, it was obviously the intent of the parties that petitioner would manufacture the rum and that the marketing of the rum and all other commercial activities in connection therewith would be in the hands of the respondent. That it was contemplated at that time that the respondent was to be, and continue to be, the owner of the trade-marks to be adopted, in the absence of certain contingencies which did not arise, is entirely clear from paragraph 11 quoted above, and that this was the construction by the parties after their adoption, is confirmed by the language used in continuing that paragraph in the later agreement (petitioner's Exhibit 16) also quoted. Notwithstanding this, it is now contended that the trade-marks were not, and are not proper subject matter for ownership and registration by a private party in view of their inherent and acquired governmental signification, and that accordingly, respondent was not entitled to ownership of the marks at the time of filing the applications for their registration. This obviously applies with greater force to the registration of "GOVERNMENT HOUSE" than of the pictorial trade-mark, although petitioner contends that because of the fact that they have been used together at all times, that the significance is the same. For the purposes of this decision it is not considered necessary to determine whether or not there may be any differentiation between them.

"GOVERNMENT HOUSE" does not appear to be inherently incapable of adoption and use as a trade-mark because of its governmental signification as contended by petitioner. It does not, per se, appear to indicate origin or ownership by the United States Government, or any other Government. As pointed out by the Examiner of Interferences, there are numerous kinds of government, for example, state, municipal, colonial, foreign and provincial. Considering the marks in and of themselves, and without any explanatory matter, it is not believed that the use of these words as a trade-mark for any product would lead the purchasing public to suppose that the United States Government produced or sponsored the product. The Examiner of Interferences referred to the use of "White House" for grocery products, and "President" for suspenders, respectively involved in *Dwinell-Wright Company* v. *White House Milk Company, Inc.*, 132 F.2d 822, 56 USPQ 120; and *President Suspender Co.* v. *Macwilliam*, 238 Fed. 159. It seems clear that no one would regard grocery products or suspenders, bearing these marks, as emanating from the executive mansion, or sponsored by any President of the United States. The same comments would apply to numerous other marks, which, it is a matter of common knowledge, are in use for various products, for example, "Federal," "Senate," "Congress," "Congressional," "House of Lords," and similar notations. In view of the generality of the term and its "West Indian connotation," and other implications inherent in the words, above referred to, as well as the specific provisions against any reference to the United States or Federal Government which were carried out in the performance of the contract, "GOVERNMENT HOUSE" appears even further removed from any indication of origin with the Federal Government than the other terms above referred to. The comments of the Supreme Court in *Hamilton-Brown Shoe Company* v. *The Wolf Brothers & Company*, 240 U. S. 251, 1916 C. D. 281, with reference to the trade-mark "AMERICAN GIRL" also seems pertinent:

> "It does not signify that the shoes are manufactured in America, or intended to be sold or used in America, nor does it indicate the quality or characteristics of the shoes."

I accordingly agree with the Examiner of Interferences that there is no inherent governmental signification in the marks.

The petitioner contends that even assuming this lack of inherent governmental connotation, the marks have been used in such a manner that they have acquired "governmental signification" and that their use to denote any other origin would be a deception of the public and against public policy. It is true that both parties in adopting the marks referred to possible "governmental connotation thereof," and that respondent in particular desired to use direct reference to the Government in its advertising. (Petitioner's Exhibits 17 and 26.) It was, however, forbidden to do so by contract, and authorization to use any such reference was refused, and no such reference was made. The following statement or one of similar import appeared at the bottom of the bottle label:

> "Distilled directly and solely from cane juice by
> VIRGIN ISLANDS CO. ST. CROIX V. I.
> A Virgin Islands
> Government Corporation
> Sole Agents for U. S. A.—W. A. Taylor & Co., N. Y. C."
> (Petitioner's Exhibit 29)

For a period during the war a further statement that it was bottled in the United States by a concern designated by respondent appeared. (Respondent's Exhibit 2.) This in no way connects the product with the United States Government. The marks as selected, adopted, and used were therefore ones which were available to petitioner and which were used in a manner which clearly stated the actual facts, and which did not preclude their use as a trade-mark or render them improper subject matter for adoption by respondent. There is nothing in the marks themselves as used nor in the language used on the labels, which would indicate that the marks were unavailable to a private concern such as respondent, nor which would preclude petitioner's cooperating in such selection and use as a protection to the public because of any governmental signification. To find otherwise in view of the careful consideration given these marks by the parties, and the provisions of the contract as to their ownership and use, particularly in view of the precaution taken against reference to the United States Government, would be to find that not only the parties to this proceeding, but the Government Officials who cooperated in the selection of the mark and encouraged its use, and the authorities who approved the label intended or approved the perpetration of a fraud upon the public. Since, however, all parties were meticulously careful to state the actual facts, and the only reference was to "a Virgin Islands Government Corporation" no such conclusion can be reached unless respondent, by advertising, or other means aside from the use of the labels, has created such a false impression. Any such possible acquired governmental signification would probably have come into existence after adoption and registration, and therefore relate to the question of nonuse rather than of that of right to use at the time of application, but would apply to some extent to both questions.

The parties have submitted a large number of specimens of advertisements by which the sale of the product was promoted by respondent. The record indicates that copies of all of respondent's advertising was made available to petitioner's counsel, and that these specimens therefore present every type of advertising which was used. In none of this advertising is there any statement, nor, in my opinion, any suggestion, that the rum is manufactured or sold by the United States Government, or that the Government sponsored or participated in its sale. In the early advertising, particularly when the product was introduced into a new territory, reference was made to the activities of petitioner. The usual manner of setting this out was to include in the advertising a statement entitled "Here's the Story Behind this Rum." A typical example of this, taken from petitioner's Exhibit No. 75, reads as follows:

> "Here's the Story Behind this Rum
>
> Something had to be done. It was. The Federal emergency relief organization stepped in to put the Islands on a self supporting basis, formed the Virgin Islands Company. Idea was to stop the need for growing Federal subsidies and give work instead of charity. First thing was to help natives produce sugar more efficiently. Next was to produce rum. Private capital was invited to set up a large scale distillery—*cose invited for 3 years.* Private capital wasn't interested. Out of necessity, a distillery was bought, started operations in 1934. The idle of the Islands were called off relief rolls onto pay-rolls at honest work. The rum they've been making and aging is called *Government House*, as fine a rum as distilling science knows how to produce."

This frequently appeared in a box which was subordinate to the headlines featuring the rum, statements as to its quality, etc., pictures of the bottles and other laudatory material. While a conspicuous part of the advertisements, it is not the most prominent portion and is not given undue emphasis. While this wording varied in detail, it is the usual advertising statement which refers to the origin of the rum. There is also mention of petitioner as the manufacturer of the rum in some advertisements, which was usually much the same form as in the bottle label above referred to, i. e., a statement that it was distilled by the "Virgin Islands Co.," which was stated to be a "Virgin Islands Government Corporation." If the public were sufficiently interested in the details of this advertising material to read these statements, there was only one conclusion which could be drawn, and that was, that the product was that of the respondent which had been distilled by the petitioner. If the public did not read this, there is nothing in the advertising material submitted from which any information or inference could be drawn as to any connection with any Government or governmental agency. It could not be construed as indicating that it was a product of the United States Government.

It appears doubtful from the record that there was any reference to the petitioner's activities in the advertising except in the introductory advertising campaigns in various sections of the country and it seems clear that there was none after 1939, other than naming it as the distiller. "The Story Behind the Rum" and similar statements were apparently dropped. The petitioner emphasizes one style of presentation used in the later advertising which featured "The Government House Guard," represented in the copy presented by a fanciful figure of a "guard" in what appears to be a tropical uniform. It is not clear why this would claim or suggest any governmental origin, as certainly the character illustrated could not be confused with any actual, or fanciful representation of an individual dressed in any uniform of the United States armed services. To suggest any governmental connotation from this particular piece of advertising whimsy (which was used in connection with various wartime programs such as Guarding Against Misuse of Scarce Material, or Disclosure of Information), would be going beyond the realm of probability. It is therefore clear, in my opinion, that the marks in question neither possessed nor acquired "any governmental signification."

Nor can the fact that the petitioner is referred to on the labels change this conclusion. Petitioner is a corporation having all of the usual powers of a commercial corporation, chartered by the proper authorities of the Virgin Islands. While organized at the instance of certain governmental officials for aid in effecting economic relief and rehabilitation of the Virgin Islands, it is not a corporation organized by Congressional action as an agency of the Government. Nor, even if it were such a corporation, would it be entitled to special prerogatives,

or exemptions from the ordinary rule of trade-mark law, nor to other specific exemptions. *Reconstruction Finance Corporation* v. *J. G. Menihan Corp. et al.*, 312 U. S. 81, 48 USPQ 264.

The petitioner appears to suggest, in this connection, the fact that it, rather than respondent, manufactured the rum, precludes respondent from ownership of the marks. That trade-mark rights may be acquired by the sale of products manufactured by others, and that one who purchases goods manufactured by others to sell, may acquire trade-mark rights is well established. *A Bourjois & Co., Inc.* v. *Katzel*, 260 U. S. 686; *Charles La Lanne* v. *F. R. Arnold & Co.*, 17 CCPA 925, 39 F.2d 269; *Scandinavia Belting Co.* v. *Asbestos & Rubber Works of America, Inc.*, 257 Fed. 937; *M. B. Fahey Tobacco Co.* v. *Senior*, 247 Fed. 809 (partially reversed on other grounds, 252 Fed. 579). The respondent herein is not in the position of a distributor or agent who has been granted rights by a manufacturer, under existing trade-mark rights, and continues as agent or licensee to carry on a business under those marks for the benefit of his principal or with provision for reversion as in *Smith* v. *Dental Products Co., Inc., et al.*, Circuit Court of Appeals, Seventh Circuit, 140 F.2d 140, 60 USPQ 260, and *Lawrence-Williams Co.* v. *Societe Enfants Gumbault et cie*, 22 F.2d 512. While the agreements (petitioner's Exhibits 8 and 16) referred to respondent as an agent and distributor, there is no indication of any agency relationship in either contract or in any of the actions performed under the agreements. Petitioner as a manufacturer merely sold rum to respondent, title passing at the point of manufacture, and all freight, insurance, and other expense being borne by respondent. Upon title passing, the problem of disposal of the rum was entirely that of respondent. Petitioner neither participated in the advertising expense, nor undertook any risk of loss or of failure to resell the product, once title had passed to respondent. As specifically provided by the agreements, respondent was to be, and continue to be, the owner of any trade-marks affixed to the rum in the absence of a right to an assignment thereof in the event of the happening of certain contingencies, during the term of the agreements, which never came to pass. Even in the event of such contingencies the parties recognized the actual property right of respondent in the marks by providing that payment therefor would have been required in the event petitioner had become entitled to such an assignment. This is rather a case such as *Scandinavia Belting Co.* v. *Asbestos & Rubber Works of America, Inc.*, supra, and *Distillers Brands, Inc.* v. *The American Distilling Company*, District Court S. D. N. Y., 26 F.2d 988, 41 USPQ 136, in which the distributor was the actual owner, and no right to ownership existed on the part of the manufacturer, who actually made the goods. See also *President Suspender Co.* v. *Macwilliam*, supra.

Petitioner further contends that respondent was not entitled to ownership of the marks at the time it made applications for registrations therefor, since it is alleged that petitioner originally adopted and used the marks and never did or never could alienate title thereto. The first sales of the rum bearing the marks in question made after the labels and bottles were shipped to petitioner by respondent in March, 1937, were made by petitioner to a local liquor store in the Virgin Islands. This was, however, a casual sale of the product bearing labels furnished by respondent in accordance with the agreement between the parties. (Petitioner's Exhibit 8, supra.) That in this sale it was recognized by petitioner that respondent was the owner of the marks is evident since petitioner requested respondent's permission to make such sales, and they were consented to by respondent, both parties agreeing that this was a desirable action and in accordance with the general objectives of the agreement. (Respondent's Exhibits 6 and 7.) These sales happened to be the first actually made under the marks when labels were made available by respondent to be affixed to the goods since the liquor store referred to was a local establishment, while the rum for resale in the United States had to be shipped from the Islands. Such sales would, in any event, be of no consequence not only in view of the expressed intent of the contract, but of the handling of the entire operation. And had the petitioner by such sale acquired any rights, they were clearly transitory and temporary or passed to respondent in view of the contract and the subsequent action. *President Suspender Co.* v. *Macwilliam*, supra; *E. F. Prichard Company et al.* v. *Consumers Brewing Co.*, 136 F.2d 512, 58 USPQ 362. Petitioner argues that, having acquired rights by such adoption, it could not lose such rights nor alienate them, in view of lack of authority to dispose of Government property without the authorization of Congress. If, however, it had acquired any rights therein, it is not "the Government." It was established with full rights to engage in commercial activities, and had extremely broad powers to acquire and dispose of all property at all times and did sell much material without any special congressional authority. This contention is therefore without foundation. *Reconstruction Finance Corporation* v. *J. G. Menihan Corp. et al.*, supra. It therefore appears that the Examiner of Interferences was correct in ruling against the petitioner's contention that respondent was not entitled to the use of the marks at the time of its application for registration thereof, because of any prior adoption or use of the marks by petitioner, or because of any inherent or acquired governmental signification, and that the Government has not, at any time, been the owner thereof, and the petitioner's contention that the marks were not proper subject matter for registration by a private party such as respondent is not well founded.

Petitioner relies further upon the alleged nonuse of the marks by respondent following the expiration of the final contract between the parties in March of 1945 (petitioner's Exhibit 16.) In support of this contention petitioner relies, to some extent, upon

the alleged inability or impropriety of a private party, such as respondent, using such trade-marks in view of the alleged governmental connotation thereof, which has already been considered. As indicated in the general statement of facts above, respondent sold rum under these marks in large quantities during the term of the contracts between the parties, until the last contract (petitioner's Exhibit 16) expired and was not renewed. Prior to the expiration of that contract, petitioner refused to consider entering into a renewal of the contract or any new agreement with respondent, unless respondent surrendered all claim to the trade-marks. The reasons for such refusal are set out in a letter to respondent written by the managing director of petitioner on November 1, 1944, reading in part as follows:

"That name was proposed by the Governor of the Virgin Islands in his official capacity and adopted by the Secretary of the Interior and the President of the United States in their respective official capacities. W. A. Taylor & Company had no part in selecting, creating, inventing or adopting the name 'GOVERNMENT HOUSE.' It had no part in sketching the design on the label. Neither the fact that it employed an artist to fill in the background and details of the design sketched by the President, nor the fact that it registered the trade-mark or name save W. A. Taylor & Company any property interests thereto.

"That property interest is vested in the Government of the United States. The power to dispose of the Government's property right is vested in the Congress, and Congress has never authorized such disposal, nor has it ratified any purported disposal of the trade name by The Virgin Islands Company." (Respondent's Exhibit No. 11.)

The claim of ownership of the marks was apparently based upon a claim of selection of the marks by petitioner. Mere origination of a mark, without trade-mark use, gives rise to no rights. In view of the facts presented by this record, and the conclusions reached above, it must be concluded that the claims expressed in this letter, while undoubtedly advanced in good faith, were not well founded in law or in fact. The writer of the letter had not been connected with petitioner at the time of the original contract, nor of the selection of the marks. Prior to October, 1942, he had no connection with the operation under the contracts, and it must be assumed that he had been misinformed as to the exact facts or otherwise misunderstood them. Nevertheless, as a result of the contention expressed in that letter (respondent's Exhibit No. 11) negotiations for renewal of the contract were broken off and the contract expired. Shipments on respondent's orders for substantial quantities of rum which had been accepted by petitioner in the Virgin Islands were refused prior to the expiration thereof. Respondent had, however, a substantial quantity of "GOVERNMENT HOUSE" rum in stock. Following the expiration of the agreement, it continued to sell such rum, although on a reduced scale, and has continued to sell such rum up to the time of taking testimony herein.

Immediately following the expiration of the agreement petitioner entered into a sales agreement with another liquor distributor (Munson G. Shaw Co., Inc.), which has sold rum under labels identical with those previously used by respondent, except for the substitution of the name of the Shaw Company for that of respondent and in many markets both have been offered to wholesalers and retailers, and presumably to the public.

However, both testimony of respondent and petitioner indicates that respondent continued to sell such reduced quantities up to the time of filing the petitions for cancellation, which is the date that is controlling (*Old Monk Olive Oil Co.* v. *Southwestern Coca-Cola Bottling Co.*, 28 CCPA 1091, 118 F.2d 1015), and up to the time of taking testimony, and that a stock of the rum was on hand not only in the warehouses of the respondent but in the hands of wholesalers and retailers. Not only is this clearly not "nonuse" under any definition which can be applied to section 13 of the Trade-Mark Act of 1905, but a substantial part of such reduction in volume was a direct result of petitioner's failure to fill orders already accepted during the life of the agreement. Any contention of nonuse by the respondent is therefore clearly negatived by the facts adduced.

Certain other contentions, probably collateral to one or more of the foregoing are advanced by the petitioner including the suppositoin that respondent's alleged nonuse is necessarily permanent in view of the refusal of the proper authorities to approve labels which include the trade-marks in question. Following the termination of the contract, respondent presented certain new labels bearing the marks for approval which were refused by the Alcohol Tax Unit of the Bureau of Internal Revenue, upon the ground that the trade-marks were associated with rum originating from the Government. This cannot effect the contention of nonuse since, as already stated, the respondent has continued the sale of rum under these marks bearing labels previously approved. It is also contended by respondent that this ruling by the Alcohol Tax Unit is not final and may be reconsidered or appealed. Whether or not final, it cannot be controlling on the question and on the record here presented. A ruling by that agency would be entitled to the most respectful consideration, but it considered the marks here involved under a different law and for a different purpose than those here involved, and accordingly cannot control as against the facts clearly shown by the extensive record here presented.

Nor does the fact that the original labels submitted by respondent to the Federal Alcohol Administration in 1937, were at first refused approval change any of the foregoing conclusions. The only question raised at that time was with respect to the reference to petitioner as "a Virgin Island Government Corporation," and when the Federal Alcohol Administration was shown that this properly stated the facts, approval was promptly given. This had no relation to the trade-marks here involved, and it cannot be presumed that that agency permitted respondent to make use of improper or misleading trade-marks for many years.

In summary it may be stated that in spite of certain misunderstandings which have arisen, and certain recriminations which now appear in the briefs, both parties, in the adoption and use of the marks, pursuant to the agreements referred to, acted in

good faith, and the trade-marks have been presented to the public on a factual and accurate basis. While respondent's motives may be and have been primarily commercial, and petitioner's may be and have been primarily prompted by economic and welfare motives, during the major portion of the contract period, both parties cooperated fully and carried out these objectives successfully. In their contractual relationship and commercial dealings, including the termination of the contractual relationship the parties acted at arm's length, and the trade-mark rights must be determined upon the basis of legal rights. If this places a hardship on one or the other, as now suggested, it results from a situation which both parties permitted to arise with full knowledge and which was contemplated by both as indicated by specific contractual provisions. It must be found that respondent was at the time of application for the registrations, the owner of the trade-marks in question, and was entitled to registration thereof, and that it has not lost such rights by nonuse or otherwise.

Certain evidentiary matter has been discussed by both parties in their briefs, and each has referred to various authorities. It may be that certain of such contentions have not been specifically discussed in the foregoing in spite of its length. To the extent that they may not have been specifically mentioned, they have been considered and are considered to be substantially covered by the foregoing discussion or collateral to the subjects mentioned.

I accordingly agree with the conclusion of the Examiner of Interferences that petitioner has failed to establish that respondent was not entitled to the use of the marks sought to be canceled at the date of the application for the registration thereof, or that the marks are not used by respondent, the grounds for cancellation of a registration set out in section 13 of the Trade-Mark Act of 1905 under which this proceeding is brought.

The decision of the Examiner of Interferences is affirmed.

Ex parte Stauffer Chemical Company, 171 Ms. D. 181, 80 USPQ 180 (Jan. 27, 1949). An application for a concurrent use registration must be denied where applicant's date of first use is subsequent to the filing date of the registrant under the act of 1905.

DANIELS, *Assistant Commissioner:*

This is an appeal from the refusal of the Examiner of Trade-Marks to register to applicant the notation "D-TOXSUL" as a trade-mark for "insecticide" under the Trade-Mark Act of 1946. (Public Law 489, 79th Congress, Chapter 540, Approved July 5, 1946; 60 Stat. 427 [Chapter 22 of Title 15 of the U. S. Code.]) Registration was refused in view of a prior registration of the trade-mark "Toxol," Registration No. 159,882, registered October 10, 1922 (renewed), for insecticide, under the Trade-Mark Act of 1905.

Applicant appeals from such refusal and also from the refusal of the Examiner to institute concurrent use proceedings between the application and the prior registration cited, pursuant to section 2(*d*) of the Trade-Mark Act of 1946 (15 U. S. C. 1052).

While the notice of appeal sets up the refusal to register over the reference as one reason for appeal, no argument to overcome the Examiner's finding of similarity of the marks and identity of goods is presented in the brief submitted by applicant. The correctness of the Examiner's ruling on this point appears obvious and will not be further considered.

The application here involved was filed in the United States Patent Office on August 5, 1947. It was in conventional form claiming exclusive right to use without limitation as to territory and claiming use in commerce since April 5, 1945. Registration being refused in view of the reference above referred to, applicant attempted to differentiate therefrom. Upon a reiteration of such refusal which it was stated might be regarded as final, applicant filed a proposed amendment, apparently in accordance with Rule 8.2 and Rule 13.3 of the Rules of Practice in Trade-Mark Cases, setting up the use by the prior registrant as an exception to applicant's claim of exclusive use accompanied by a substitute declaration in conventional form referring to such exception, and requested institution of concurrent use proceedings. By this proposed amendment applicant claims rights to the entire country with the exception of the State of Ohio, apparently attempting to restrict the rights of the prior registrant to that state. Applicant was advised by the Examiner that the proposed amendment would not be entered

"because his date of first use is subsequent to the filing date of the cited registration, and he is, therefore, not entitled to have concurrent use proceedings instituted with registrant." See section 2(*d*) of the Trade-Mark Act of 1946.

Applicant summarizes the question for decision on this appeal as follows:

"The question presented for decision is whether concurrent use proceedings may be had with a registration under the act of 1905, the applicant having begun use of its mark subsequent to the date of the application which matured into the 1905 act registration."

Prior to the enactment of the Trade-Mark Act of 1946, the Patent Office was without authority to register the same or similar marks as applied to the same or similar goods to more than one party, even though the courts on occasion found that more than one person was entitled to concurrent use of the same or similar marks, on identical or closely related products in different geographical areas. It was, as contended by applicant, apparently to give the Patent Office authority to grant multiple registrations under such circumstances that the provisions of section 2(*d*) as to concurrent use were included in the Trade-Mark Act of 1946. This has been considered by various writers since the enactment of the new law. See, for example, 37 T. M. Rep. 251 (Concurrent Registration under the New Trade-Mark Act by Walter J. Halliday); Robert, Trade-Mark Manual, page 53; 38 T. M. Rep. 111 (Constructive Notice and Concurrent Registration by Walter J. Halliday); 38 T. M. Rep. 955 (Territorial Scope of the Trade-Mark Act of 1946 by Arthur A. March.)

Section 2(*d*) of the Trade-Mark Act of 1946 (15 U. S. C. 1052), so far as pertinent provides:

"That the Commissioner may register as concurrent registrations the same or similar marks in more than one registrant when they have become entitled to use such marks as a result of their concurrent lawful use thereof in commerce prior to any of the filing dates of the applications involved and the Commissioner or a court on appeal determines that confusion or mistake or deceit of purchasers is not likely to result from the continued use of said marks under conditions and limitations as to the mode or place of use or the goods in connection with which such registrations may be granted which conditions and limitations shall be prescribed in the grant of the concurrent registrations thereof; and concurrent registrations may be similarly granted by the Commissioner with such conditions and limitations when a court has finally determined that more than one person is entitled to use the same or similar marks in commerce. The Commissioner shall give not less than thirty days' written notice to all applicants, registrants, and users specified by any of the parties concerned of any application for concurrent registration and of the time and place of the hearings thereon. * * *."

That this is intended to permit concurrent use proceedings involving not only applications, but registrations, is apparent not only from the reference to "applicants, registrants, and users," but from the language of section 18 of the act which gives the Commissioner authority in contested proceedings, including specifically concurrent use proceedings, to "restrict the registration of a registered mark." While such a proceeding can be instituted only in connection with an application under the act of 1946, it appears clear from the language of the statute that it may involve not only a registration or pending application under that act, but also applications which may still be pending under the Trade-Mark Act of 1905 and registrations under that act. To be entitled to the institution of such proceeding, the applicant must, under the language of section 2(*d*) quoted above, have become entitled to the use of such a mark as a result of concurrent lawful use thereof in commerce "prior to any of the filing dates of the applications involved * * *." Applicant contends that its use was lawful since the prior registration under the Trade-Mark Act of 1905 did not constitute constructive notice, prior to the effective date of the act of 1946, and pursuant to section 22 thereof, and that therefore it is entitled to the institution of a concurrent use proceeding. The statute, however, requires not only that the concurrent use must have been lawful, but that it must have been prior to the filing date of the application involved. This specific statutory restriction on such proceedings makes no distinction between pending applications whether under the act of 1905 or 1946, nor between registrations, whether registered under the act of 1946 or the acts of 1905 or 1881.

If there were any doubt as to this meaning of the specific language of section 2(*d*) itself, it would appear to be resolved by reference to section 46(*b*) of the Trade-Mark Act of 1946, which provides:

"Registrations now existing under the Act of March 3, 1881, or the Act of February 20, 1905, shall continue in full force and effect * * *. Such registrations and the renewals thereof shall be subject to and shall be entitled to the benefits of the provisions of this act to the same extent and with the same force and effect as though registered on the principal register established by this act except as limited in sections 8, 12, 14 and 15 of this act."

Since section 2(*d*) is not one of the sections specified as inapplicable, it appears clear that the language used in section 2(*d*) must apply to registrations under the Trade-Mark Acts of 1905 and 1881. In fact, it must apply, since otherwise there would be no authority for the institution of a concurrent use proceeding involving a registration under the prior acts. If it is to apply, it must apply in its entirety and not with the exception of the particular clause relating to application dates.

Prior to the effective date of this act, the registration which applicant now seeks to involve in a concurrent use proceeding, would have been an absolute bar to the registration now sought and applicant could have had no right to registration, whatever might have been the facts as to its right of use within territorial limits. To have overcome such registration and obtain one of its own, applicant would have had to involve such registration in either a cancellation or interference proceeding, neither of which could ordinarily have been instituted in the absence of a showing of use prior to the filing date of the application which resulted in granting the prior registration. In repealing the acts of 1881 and 1905, but continuing registrations thereunder "in full force and effect" except as limited by the sections referred to (not here pertinent), it seems apparent that it was intended to make such registrations subject to the hazard of concurrent use proceedings and remove their effect as a complete bar to registration by lawful concurrent users. In making them so subject, however, it seems clear that such proceeding must be instituted only when an applicant can comply fully with the conditions imposed by the terms of the section, and that his use must have begun prior to the filing date of any other application involved and prior to the filing date of the application for registration of any registration sought to be involved, whether registered under the act of 1946, 1905 or 1881.

Reference has already been made to applicant's contention that the prior registration under the Trade-Mark Act of 1905 did not constitute constructive notice of that registrant's claim of right to its mark until the effective date of the Trade-Mark Act of 1946, pursuant to section 22 thereof. The question here involved, however, is not that of applicant's right to use the mark, but as to applicant's right to secure a limited registration thereof, and it is therefore not considered necessary, in view of the conclusions reached above, to attempt to determine the question of the effect of the registration under the act of 1905 as constructive notice.

Nor is it necessary to consider the various cases cited by applicant as authority for its claim that its use has been a lawful concurrent use. Of the eight cases so cited, *Hanover Star Milling Co.* v. *Metcalf*, 240 U. S. 403, 1916 C. D. 285, and *United Drug Co.* v. *Rectanus Co.*, 248 U. S. 90, 1918 C. D. 360, are considered most pertinent. It should be noted, however, that in each of these cases there was a widely separated use in distinct territory over a long period of years and that neither party had reason to know of use by the other. It should also be emphasized that no question of right to Federal registration was involved. It is probable that there have been other cases in which concurrent use has

been approved by court decisions, but they do not appear to be numerous. (See "Concurrent Registration under the New Trade-Mark Law," supra.) If, as contended by applicant, it was to permit the right of concurrent registration in cases such as those last cited, it must be evident that the provisions of section 2(*d*) were intended to provide for extraordinary situations and not as a procedure to be invoked as a matter of course, but only upon a showing of unusual conditions. They must have been intended as the exception rather than the rule.

Applicant further contends that the holding of the Examiner of Trade-Marks "directly contravenes section 49" of the Trade-Mark Act of 1946. Section 49 provides that nothing contained in the act "shall adversely affect the rights or the enforcement of rights in marks acquired in good faith * * *" prior to its effective date. This again refers to right to use rather than to registration, and since applicant would have had no right to registration prior to the effective date of the act this section has no bearing on applicant's present rights to registration. In fact, it may apply rather to the prior rights of registrant which would be adversely affected if applicant's contention were accepted.

The foregoing extended comments have been considered necessary in view of the questions raised by applicant's brief and of applicant's insistence of their importance. Additionally and without regard to the foregoing, applicant's request for institution of concurrent use proceedings must in any event be denied, in view of the fact that the papers presented do not include facts sufficient to justify such action. As already noted, this application as originally filed made no exception to applicant's claim of exclusive use and the proposed amendment including such exception was presented only after attempts had been made to distinguish from the prior registration. That registration had been in effect since October 10, 1922, without limitation. As a basis for requesting a registration concurrent therewith, applicant's proposed amendment states merely:

"The following exception to applicant's claim of exclusive use is specified:
"By the Glidden Co. located and doing business at Cleveland, Ohio, and using the mark 'TOXOL,' Registration No. 159,882, in connection with Insecticide, *the mark being applied to the containers for the goods* in the territory embracing the State of Ohio from March 16, 1922, to date." (Emphasis added.)

This falls short of the requirements of section 1(a), and Rules 8.2 and 18.3 of the Rules of Practice in Trade-Mark cases, as to the statements required in an application claiming concurrent use. Since it refers merely to the locality in which the prior registrant affixes the mark to its containers, it is not inconsistent with, and does not purport to negative the possibility of use by registrant elsewhere or that the products to which the mark is so affixed may be sold throughout the country. To request the institution of concurrent use proceedings, through which applicant might secure a concurrent registration and, necessarily, a limitation of the existing prior registration, which is entitled to the presumption of ownership and use since 1922, by such negative and general statements is, in and of itself, enough to require the Examiner's refusal to institute such proceedings. Concurrent use proceedings should serve a useful purpose, beneficial to those entitled thereto, but are not intended as a routine procedure to be used as a substitute for cancellation or interference proceedings, (when authorized), nor to permit the placing of the burden of a contested proceeding on a prior registrant in each instance where an applicant has been unable to succeed in distinguishing its mark from that of a prior registration. If they are to be instituted, the provisions of section 1(a) and 2(*d*) of the Trade-Mark Act of 1946 and Rules 8.2 and 18.3 of the Rules of Practice in Trade-Mark Cases must be fully complied with.

The decision of the Examiner of Trade-Marks is affirmed.

Ex parte Stauffer Chemical Company, 171 Ms. D. 181, 80 USPQ 180 (Jan. 27, 1949). Petition for rehearing denied, 171 Ms. D. 267, 81 USPQ 170 (Apr. 14, 1949).

DANIELS, *Assistant Commissioner:*

This petition requests reconsideration of my decision dated January 27, 1949, affirming the Examiner of Trade-Mark's action refusing registration of applicant's mark and refusing to institute concurrent use proceedings between this application for registration and a prior registration under the Trade-Mark Act of 1905.

The refusal to institute concurrent use proceedings was affirmed both on the merits and in view of the fact that the papers presented were informal. With this request for reconsideration applicant submits a proposed amendment which appears to correct the formal deficiencies and requests that the amendment be entered.

To enter this amendment would require remanding the case to the Examiner of Trade-Marks and since the application has been refused, and it has been ruled that no concurrent use proceeding will in any event be instituted, such action seems inappropriate at this time. Unless further proceedings in this matter would permit the institution of such proceedings, the question of the propriety of the entry of the proposed amendment is moot. It is, however, noted that the proposed amendment appears to cure the formal defects referred to, and it will be held for consideration of its entry should this become material.

With respect to reconsideration on the merits, the points raised by applicant on this petition were fully considered and disposed of in the original decision.

The petition is denied.

Ex parte Stauffer Chemical Company, 171 Ms. D. 285, 81 USPQ 255 (Apr. 22, 1949). The notation "FLEUR de SOUFRE" is a generic term and not registrable even under section 2(*f*) of the Trade-Mark Act of 1946.

DANIELS, *Assistant Commissioner:*

This is an appeal from the final refusal to register the notation "FLEUR de SOUFRE" as a trade-mark for sulphur under section 2(*f*) of the Trade-Mark Act of 1946. The refusal to register is based upon the ground that the term presented lacks trade-mark significance and is merely the generic name of the goods and incapable of distinguishing applicant's goods from the goods of others. "FLEUR de SOUFRE" is the French name for flowers of sulphur, which is a well-known and long-used name of a form of sulphur.

Applicant summarizes the question to be decided as follows:

"The question is whether the name of a certain specific form of sulphur, written in the French language, can be registered as a trade-mark for sulphur."

The Examiner has found that the marks otherwise not registrable are not made so because written in a foreign language, and this principle is apparently not seriously questioned. *Walgreen Co.* v. *Godefroy Manufacturing Co.*, 22 CCPA 818, 74 F.2d 127; *In re Northern Paper Mills*, 20 CCPA 1109, 64 F.2d 998. Applicant contends, however, that it has had exclusive use of the term for approximately forty-five years, and therefore is entitled to registration under section 2(*f*) of the 1946 act. This section (with certain exceptions not here pertinent) provides:

"* * * nothing herein shall prevent the registration of a mark used by the applicant which has become distinctive of the applicant's goods in commerce. The Commissioner may accept as prima facie evidence that the mark has become distinctive, as applied to the applicant's goods in commerce, proof of substantially exclusive and continuous use thereof as a mark by the applicant in commerce for the five years next preceding the date of the filing of the application for its registration."

The attempt to register the actual name of the product goes beyond the question involved in such cases as *Du Pont Cellophane Co., Inc.* v. *Waxed Products Co., Inc.*, 85 F.2d 75, 30 USPQ 332; *Kellogg Company* v. *National Biscuit Company*, 305 U. S. 111, 39 USPQ 296; *Bayer Co., Inc.* v. *United Drug Co.*, 272 Fed. 505, where the marks involved had either become known as the name of the product through long use as such, or were so highly descriptive as to lack trade-mark significance. A generic name, being completely incapable of distinguishing the goods of one manufacturer from those of another, cannot become distinctive and cannot serve as a trade-mark. *Spicer* v. *W. H. Bull Medicine Company*, 18 CCPA 1402, 49 F.2d 980; *In re Paris Medicine Co.*, 24 CCPA 854, 87 F.2d 484; *In re Bailey Meter Co.*, 26 CCPA 1136, 102 F.2d 843; *Berber-Colman Co.* v. *Overhead Door Corporation*, 20 CCPA 1118, 65 F.2d 147.

Applicant relies upon three cases in which it states that it was found that the users of a geographical name, a surname, and a generic name, respectively, had achieved rights which could be maintained against later users. These are *The American Waltham Watch Co.* v. *U. S. Watch Co.*, 173 Mass. 85; *Thaddeus Davids* v. *Davids Mfg. Co.*, 233 U. S. 461, 1914 C. D. 367; and *Armstrong Paint and Varnish Works* v. *Nu-Enamel Corporation*, 305 U. S. 315, 39 USPQ 402. The first two of these cases obviously do not deal with generic terms and it has frequently been held that geographical and personal names may acquire secondary meaning and become distinctive of particular goods. Marks such as these would clearly be the type which might, upon proper showing, be registered under section 2(*f*) of the act of 1946. The *Armstrong Paint and Varnish Works* v. *Nu-Enamel Corporation* case, supra, dealt with a mark which was undoubtedly highly descriptive, but which it was conceded had become distinctive of the goods. Clearly it was not merely a generic term or product name.

Applicant contends that the goods are an agricultural product sold to persons, few of whom would recognize either that the words were French, or the meaning of the words. While this would appear questionable in view of the fact that the equivalent English word is used throughout the labels including the name of the product and the quantity stated in "lbs." and "kilos," this is an assumption which cannot be accepted as to the literal equivalent of a name expressed in a well-known modern language. *In re Northern Paper Mills*, 20 CCPA 1109, 64 F.2d 998. The effect of such a registration as that here requested, and which would constitute prima facie, a showing of exclusive right to its use, in a French speaking community, or with respect to international trade in the product would be sufficient to indicate the impropriety of such a registration.

Much of applicant's argument is devoted to the degree of proof required to show that a mark has become distinctive by showing long exclusive use. In view of the conclusions above reached, this is immaterial. It may be noted, however, that while section 2(*f*) provides that the Commissioner may accept proof of five years' substantially exclusive and continuous use as prima facie evidence that the mark has become distinctive, he is not required to do so. In proper cases where a mark comprises a term which may have distinctive significance even though it be a surname, a geographical term or a descriptive term, the affidavit of exclusive use often should be accepted. If, however, the mark is considered highly descriptive, or predominantly geographical in significance, additional proof that it has actually become distinctive is necessary as required under section 2(*f*) of the act. The burden of proof is on the applicant to show that the mark has become distinctive, and, in some instances, where the mark is highly descriptive and it seems highly probable that it must have been used in the trade to some extent, or that its distinctiveness is otherwise open to doubt, such burden would be a heavy one. In such cases proof somewhat analogous to the proof required in proving secondary meaning or in unfair competition matters in the courts and including, for example, affidavits of disinterested persons familiar with markets and marketing customs, references to trade publications, etc., might well be required.

In an effort to show that the mark is distinctive, applicant has submitted an affidavit of one of its officers, which the Examiner refused to consider on

the ground that it was self-serving. In view of the conclusions heretofore reached, the character of such an affidavit is not material in this particular case, but it may be noted that any such affidavit of a party must to some extent be self-serving. This affidavit, if it were to be considered, would appear to me to be insufficient because it is lacking in sufficient probative force rather than because it may be self-serving. If the mark were capable of becoming distinctive, the affidavit would undoubtedly be considered insufficient and further proof would have been required. Since it is not material in any event in this case, no further review of the evidence submitted seems necessary.

The decision of the Examiner of Trade-Marks is affirmed.

In the following case, the opposition was sustained by DANIELS, *Assistant Commissioner*.

William R. Warner & Co., Inc. v. *Novocol Chemical Mfg. Co., Inc.*, 171 Ms. D. 264, 81 USPQ 169 (Apr. 14, 1949), Opposition No. 25,749. The notation "Therapules" as a trade-mark for "medicaments, namely, estrogenic substance and niketha-mide useful for supplying deficiency in hormones and for a restorative in case of shock, respectively," under the act of 1905 held unregistrable in view of opposer's ownership and prior registration of the trade-mark "THERAVITA" as a trade-mark for "a vitamin composition."

In the case below, the opposition was dismissed by DANIELS, *Assistant Commissioner*.

Permatex Corporation v. *Detrex Corporation*, 171 Ms. D. 290, 81 USPQ 257 (Apr. 27, 1949), Opposition No. 26,306. The notation "PER-EX," as a trade-mark for "a cleaning solvent for removing greases and for a solvent for degreasing metal parts and the like," held registrable over opposer's ownership and prior registrations of the trade-marks "PERMATEX TOON-OYL" and "PERMATEX" for lubricating oil and similar products and "ready-mixed adhesive shellac," respectively.

Cancellation was recommended in the case below by DANIELS, *Assistant Commissioner*.

The Viscol Company v. *Vacuum Oil Company (Socony-Vacuum Oil Company, Incorporated, Renewant)*, 171 Ms. D. 259, 81 USPQ 166 (Apr. 8, 1949), Cancellation No. 4973. The mark "SOLENE" for use as a trade-mark for "a mixture of petroleum oils used in the manufacture of sole leather" under act of 1905 ordered canceled in view of petitioner's ownership and prior registration of the mark "SOLEOL," as applied to a mineral oil compound used for waterproofing and treating sole leather or soles for shoes."

The following mark was held unregistrable on appeal from the Examiner of Trade-Marks by DANIELS, *Assistant Commissioner*.

Ex parte Stauffer Chemical Company, 171 Ms. D. 266, 81 USPQ 171 (Apr. 14, 1949). The notation "D-FUSUL," for use as a trade-mark for "a finely ground product prepared by fusion of sulfur . . ." under the act of 1946 held unregistrable in view of prior registration of the trade-mark "DIFUSO" for "insecticide" under the 1905 act. Request to institute concurrent use proceedings denied on the authority of *Ex parte Stauffer Chemical Company*, 80 USPQ 180, since the date of first use claimed by applicant was subsequent to the filing date of the prior registration.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 31, 1949

[VOL. 622. No. 5]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 2

RECEPTACLES

Ser. No. 502,058. BEACON PRODUCTS CORPORATION, Boston, Mass. Filed May 14, 1946.

BEACON

FOR TUMBLERS, DISHES, TRAYS, PITCHERS, REFRIGERATOR BOXES, SALT AND PEPPER SHAKERS, SUGAR BOWLS, AND CREAM PITCHERS MADE OF PLASTIC AND PLASTIC COMPOSITION.

Claims use since Jan. 1, 1943.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 506,771. GENE SALÉE, Hollywood, Calif. Filed Aug. 2, 1946.

Gene Salée

The mark as shown on the drawing is a facsimile of applicant's signature.

FOR COSMETICS—NAMELY, FACE POWDER, LIPSTICKS, FACE CREAMS, LOTIONS, COLOGNES, AND PERFUMES.

Claims use since Nov. 5, 1935.

Ser. No. 516,510. DONALD C. STOKES, doing business as Stokes Institute of Hair Technology, Newark, N. J. Filed Jan. 28, 1947.

DON'S

FOR LIQUID AND WAX BASE HAIR PREPARATIONS.

Claims use since Aug. 1, 1936.

Ser. No. 516,998. PRO-CAPA PRODUCTS INC., Brooklyn, N. Y. Filed Feb. 5, 1947.

JIFFY

FOR HAIR TONIC.

Claims use since Nov. 1, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 524,592. THE CELOTEX CORPORATION, Chicago, Ill. Filed June 21, 1947.

ACOUSTI LOCK BOARD

The words "Lock Board" are disclaimed apart from the mark.

FOR COMPOSITE WALL PANEL COMPRISING GYPSUM BOARD FACINGS LAMINATED WITH AN INTERPOSED, TOUGH REINFORCING SHEET IN PARTICULAR FOR APPLICATION TO STUDS OR THE LIKE TO PROVIDE A WALL SURFACE.

Claims use since Mar. 24, 1947.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 525,001. MACKINTOSH-HEMPHILL COMPANY, Pittsburgh, Pa. Filed June 27, 1947.

NACHEMPITE

FOR UNFINISHED CAST ALLOY STEEL FOUNDRY PRODUCTS SHAPED TO BE FINISHED AS MACHINE PARTS—NAMELY, AS CRUSHER JAWS FOR CRUSHING ORES, SLAGS, AND MINERALS; AS ROLLS FOR USE IN ROLLING MILLS; AS BALLS FOR USE IN BALL MILLS; AS THE HEADS, RINGS, PLATES, BOTTOMS, DISCS, RIMS, LINERS, IMPELLERS, AND SHELLS OF CRUSHING PULVERIZERS FOR PULVERIZING ORES, SLAGS, AND MINERALS; AS GEARS AND PINIONS; AS SPINDLES AND COUPLING BOXES FOR ROLLING MILLS; AS SHEAVES AND SPROCKETS; AS WORMS AND WORM WHEELS; AS THE TRACK-ENGAGING WHEELS OF TRAVELING CRANES; AS CAMS; AS HAMMER DIES; AS BEATERS

IN THE FORM OF SWINGING HAMMERS IN PULVERIZING APPARATUS FOR FRANGIBLE MATERIALS; AS PUG MILL KNIVES; AS PLOW POINTS AND SCRAPERS; AS TIPS AND TEETH FOR DREDGING BUCKETS AND SCOOPS; AS CHAIN CONVEYOR LINKS AND ROLLERS; AND AS PIG MACHINE ROLLERS.

Claims use since Jan. 30, 1932.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 497,580. ALBERT H. SURPRENANT, doing business as Surprenant Electrical Insulation Co., Boston, Mass., assignor to Surprenant Mfg. Co., Boston, Mass. Filed Mar. 2, 1946.



The words "Keyed Insulation" and the representation of the goods are disclaimed apart from the mark.

FOR ELECTRIC INSULATED WIRE—NAMELY, SPIRALLY STRIPED OR COLOR-CODED PLASTIC INSULATED WIRE.

Claims use since Sept. 15, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 499,218. ENTERPRISE INDUSTRIES, New York, N. Y., assignor, by mesne assignments, to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut. Filed Mar. 29, 1946.



Applicant disclaims the notation "Registered Trade Mark."

FOR FILLED AND UNFILLED CANISTER-TYPE BOMBS FOR DISPENSING OR APPLYING INSECTICIDES, GERMICIDES, DEODORIZING AGENTS, ODOR NEUTRALIZERS, AND THE LIKE.

Claims use since Mar. 18, 1946.

Ser. No. 523,283. RUSSELL HARRINGTON CUTLERY COMPANY, Southbridge, Mass. Filed May 29, 1947.

RUSHARCO

FOR HAND EDGE CUTTING TOOLS—NAMELY, PUTTY KNIVES, SCRAPERS, BUTCHER'S KNIFE SHARPENING STEEL, AND TABLE SERVICE KNIVES.

Claims use since February 1936.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 523,694. OHIO STOVE COMPANY, Portsmouth, Ohio. Filed June 6, 1947.



The hatching is for the purpose of indicating the colors red and black.

FOR STOVES, RANGES, AND BARBECUE GRILLS FOR SOLID FUELS—NAMELY, COAL, WOOD, CHARCOAL, METACETALDEHYDE, AND PEAT.

Claims use since 1892 as to "Buckeye"; and since June 5, 1939, to the mark as a whole.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 508,440. PROGRESSIVE EDUCATORS, INC., Chicago, Ill. Filed Sept. 3, 1946.

Jr.
LANGUAGE AND ARTS

The words "Language and Arts" are disclaimed apart from the mark.

FOR MAGAZINES CONTAINING FICTION, POETRY, MUSICAL COMPOSITIONS, COMIC STRIPS, PUZZLES, AND OTHER ITEMS OF GENERAL INTEREST TO CHILDREN.

Claims use since Aug. 10, 1946.

CLASS 39

CLOTHING

Ser. No. 513,749. MANN OVERALL COMPANY, INC., El Paso, Tex. Filed Dec. 5, 1946.

TEX'N'JEAN

No claim is made to the word "Jean" apart from the mark as a whole.

FOR OVERALLS AND DENIM PANTS AND DENIM JACKETS.

Claims use since Nov. 1, 1945.

Ser. No. 521,671. JOSEPH MANISCOLA & COMPANY, New York, N. Y. Filed May 1, 1947.



Apart from its relationship to the trade-mark shown in the drawing, and only for the purpose of registration, the word "Justmade" is disclaimed. The lining on the drawing is not intended to be indicative of any color.

FOR BLOUSES, SUITS, DRESSES, AND JACKETS.

Claims use since Jan. 1, 1932.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 515,932. SAMUEL BONAT & BRO., New York, N. Y. Filed Jan. 18, 1947.

Bonat
GLAMOR CURL

The words "Bonat" and "Curl" are disclaimed apart from the mark as shown.

FOR CHEMICALLY TREATED PADS FOR MACHINELESS PERMANENT WAVING.

Claims use since Dec. 1, 1946.

Ser. No. 515,933. SAMUEL BONAT & BRO., New York, N. Y. Filed Jan. 18, 1947.

Bonat
SHOW CURL

The words "Bonat" and "Curl" are disclaimed apart from the mark.

FOR CHEMICALLY TREATED PADS FOR MACHINELESS PERMANENT WAVING.

Claims use since Dec. 1, 1946.

Ser. No. 524,439. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed June 19, 1947.

AO

FOR DIAGNOSTIC INSTRUMENTS, CONSISTING OF ADAPTOMETERS, LARYNGOSCOPES, OPHTHALMOSCOPES, OTOSCOPES, RETINOSCOPES, TONGUE DEPRESSORS AND TRANSILLUMINATORS USED IN THE PRACTICE OF OPHTHALMOLOGY, OPTOMETRY AND MEDICINE AND SURGERY, GENERALLY; FOR TONOMETERS (MEASUREMENT OF INTRAOCULAR PRESSURE), COLOR PERCEPTION, MALINGERING (DETECTION OF SIMULATED BLINDNESS) AND MUSCLE TESTS; FOR CATARACT AND OPHTHALMIC LAMPS USED IN THE PRACTICE OF OPHTHALMOLOGY AND OPTOMETRY; FOR ARTIFICIAL EYES, AND RESPIRATORS.

Claims use on diagnostic instruments, color perception tests, malingering tests, muscle tests, and tonometers since February 1929; on cataract lamps since June 1940; on ophthalmic lamps since October 1946; on respirators since May 1938; and on artificial eyes since the latter part of March 1945.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 517,482. FLOYD A. HINES, doing business as Hines Peanut Company, Boykins, Va. Filed Feb. 14, 1947.

JUNIOR JUMBOS

The word "Jumbos" is disclaimed.

FOR UNSHELLED PEANUTS.

Claimed use since Nov. 1, 1946.

Ser. No. 522,478. PRATT-LOW PRESERVING CO., Santa Clara, Calif. Filed May 16, 1947.

Joanna

Applicant is the owner of Reg. No. 220,946.

FOR CANNED FRUITS AND VEGETABLES.

Claims use since June 1926.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 21 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 529,685. OTTAWA SILICA COMPANY, Ottawa, Ill. Filed July 26, 1947. Under section 2f of the act of 1946.

EVEN MELT

Applicant claims ownership of Registration No. 220,182.
FOR SAND, AND MORE PARTICULARLY FOR SUCH SAND AS IS USED FOR THE MANUFACTURE OF GLASS.
Claims use since 1923.

CLASS 2

RECEPTACLES

Ser. No. 555,053. CLIMAX MANUFACTURING COMPANY, Castorland, N. Y. Filed Apr. 20, 1948.

CMC

Applicant claims ownership of Registration No. 186,148.
FOR FOLDING PAPER BOXES, INDUSTRIAL CARTONS, PAPER AND FIBRE DRUMS, AND CHEESE BOXES.
Claims use since Jan. 1, 1914.

Ser. No. 555,849. SUTTON MANUFACTURERS, INC., Miami, Fla. Filed Apr. 29, 1948.

S M I

FOR FUNERAL CASKETS.
Claims use since Jan. 1, 1948.

Ser. No. 556,246. COHOES ENVELOPE COMPANY, INC., Cohoes, N. Y. Filed May 5, 1948.

TRANSCRIPTION VELOPE

FOR PAPER MERCHANDISE ENVELOPES.
Claims use since Nov. 5, 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 515,552. THE C. P. HALL COMPANY, Akron, Ohio. Original filed Jan. 10, 1947, under the act of 1905; amended to application under act of 1946, July 17, 1947.

Super inksol

No claim is made to the use of the word "Super" apart from the mark.
FOR INK REMOVER.
Claims use since Nov. 10, 1946.

Ser. No. 515,553. THE C. P. HALL COMPANY, Akron, Ohio. Original filed Jan. 10, 1947, under the act of 1905; amended to application under act of 1946, July 17, 1947.

inksol

FOR INK REMOVER.
Claims use since Apr 1, 1946.

Ser. No. 530,329. NATIONAL SANITARY SUPPLY ASSOCIATION, Chicago, Ill. Filed Aug. 2, 1947. CERTIFICATION MARK.

National SANITARY SUPPLY ASSOCIATION MEMBER

Applicant disclaims the words "Sanitary Sopply Association" and "Member" apart from the mark as shown.
FOR SANITARY AND JANITOR SUPPLIES—NAMELY, CLEANING COMPOUNDS AND CLEANING CHEMICALS; SOAPS; SOAP POWDERS; LIQUID SOAPS.
Claims use since July 5, 1945.

Ser. No. 531,453. E. F. DREW & CO., INC., New York, N. Y. Filed Aug. 13, 1947.

DREW WETSYN

Exclusive use of the word "Drew" apart from the mark as shown is disclaimed.
FOR DETERGENTS FOR GENERAL USE AND HAVING THE PROPERTIES OF LOWERING SURFACE TENSION, CAUSING COLLOIDAL DISPERSION OR DEFLOCCULATION, FORMING EMULSIONS OR SUSPENSIONS AND FOAMING.
Claims use since Mar. 10, 1943.

Ser. No. 531,472. HAWAIIAN PERFUME & SOAP CORPORATION, Hollywood, Calif. Filed Aug. 15, 1947.

Hawaiian Beauty

No claim is made to the word "Beauty" apart from the mark as shown.
FOR SOAPS.
Claims use since July 30, 1947.

Ser. No. 531,590. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis. Filed Aug. 16, 1947. Under section 2f of the act of 1946.

The words "Motor Cycles" are disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 271,164.
FOR ENAMEL POLISH AND CLEANER, AND CHROME POLISH AND CLEANER.
Claims use since 1934.

Ser. No. 537,974. BOYLE-MIDWAY INC., Jersey City, N. J. Filed Oct. 16, 1947. Under section 2f of the act of 1946.

Metlbrite

Applicant claims ownership of Registration No. 285,022.
FOR METAL POLISH.
Claims use since Jan. 15, 1927.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 517,222. ALLEN B. WRISLEY COMPANY, Chicago, Ill. Original filed Feb. 8, 1947, under the act of 1920; amended to application under act of 1946, Sept. 1, 1948.



FOR PERFUME.
Claims use since November 1944.

Ser. No. 522,224. MILLER'S PREPARATIONS CORP., Fort Worth, Tex. Original filed May 12, 1947, under the act of 1905; amended to application under act of 1946, Dec. 17, 1947.

KOOL'A'BRN

FOR SOLUTION FOR ALLEVIATING PAIN RESULTING FROM MINOR BURNS.
Claims use since Oct. 15, 1945.

Ser. No. 528,177. A. S. ALOE COMPANY, St. Louis, Mo. Filed July 9, 1947. Under section 2f of the act of 1946.

aloe

FOR CHLOROPHYL AIR FRESHENERS FOR DEODORIZING ROOMS, GALL BLADDER DYES, ALBUMIN TEST REAGENTS, ANTI-SHEEP HEMOLYSIN, ANALGESICS, ANTI-RUST TABLETS FOR INHIBITING RUST FORMATION IN SURGICAL STERILIZERS, ANTIGENS, ANTISEPTICS, ARGYROL TABLETS, INCENSE TYPE DEODORANTS FOR NEUTRALIZING ODORS IN ROOMS, BARIUM SULFATE, BARIUM MEAL, PELLETED MIXTURES OF BARIUM AND CALCIUM HYDROXIDE FOR USE AS A GAS ABSORBENT, BICHLORIDE OF MERCURY TABLETS, BLOOD TYPING SERUMS, BLOOD CHEMISTRY REAGENTS AND SOLUTIONS, BURN OINTMENTS, ANESTHESIA CAPSULES, BACTERIOLOGICAL STAINS, CHEMICAL REAGENTS FOR USE IN ANALYTICAL LABORATORIES, CHLOROFORM, CHOLESTERAL REAGENT, GERMICIDES, HAND CREAMS, MICROSCOPE IMMERSION OIL, GERMICIDAL TABLETS, X-RAY DEVELOPING SOLUTIONS, TABLETS CONSISTING OF A MIXTURE OF ALUMINUM SULFATE AND CALCIUM ACETATE FOR USE IN MAKING WET SURGICAL DRESSINGS, RUBBING ALCOHOL, ETHER, ETHYL CHLORIDE, ANESTHETICS, GLOVE POWDER, TANNIC ACID SOLUTION, URINE SUGAR DETERMINATION, PH INDICATORS, SEROLOGICAL INDICATORS, ELECTRO-CARDIOGRAPH POWDER, JELLY, X-RAY DEVELOPING POWDERS, SODA LIME, LYOPHIL, MERCURY, METRAZOL, LOCAL ANESTHETICS, NEOARSPHENAMINE, PHENOLIZED OIL FOR USE IN TREATMENT OF HEMORRHOIDS, FORMALIN PASTILS, PETROLEUM JELLY, PHENOLSULPHONPHTHALEIN, PHYSIOLOGICAL SALINE, X-RAY FIXING POWDER, PROCAINE ANESTHETICS, ROOM DEODORANTS FOR NEUTRALIZING AIR-BORNE ODORS, SALT TABLETS, SEROLOGICAL REAGENTS, SODIUM MONOIODOMETHANE SULFINATE, SILVER NITRATE, SODIUM CITRATE, ASPIRIN TABLETS, COAL TAR CREAM (AN OINTMENT FOR TREATMENT OF INDUSTRIAL DERMATITIS), DIAGNOSTIC ANTIGENS AND SERUMS FOR USE IN PERFORMING BIOLOGICAL LABORATORY TESTS, AND COMPOUNDED SOLUTIONS OF WET AGENTS AND SOLIDS FOR APPLICATION TO AND FACILITATING REMOVAL OF ADHESIVE TAPE FROM THE FLESH OR OTHER SURFACE TO WHICH SAME IS ADHERED.
Claims use since 1860.

Ser. No. 530,434. REEVES-GALLES, INC., New York, N. Y. Filed Aug. 4, 1947. Under section 2f of the act of 1946.

SNOWHITE

Applicant claims ownership of Registration No. 281,517.
FOR MOTH PREVENTATIVE AND INSECTICIDE.
Claims use since Feb. 26, 1929.

Ser. No. 532,681. BRUNSWICK LABORATORIES, INC., Chicago, Ill. Filed Aug. 28, 1947.

ARTERELAX

FOR RED-COATED TABLET FOR HYPERTENSION.
Claims use since January 1917.

Ser. No. 533,022. HORTON & CONVERSE, Los Angeles, Calif. Filed Sept. 2, 1947. Under section 2f of the act of 1946.

GLUCAL

FOR PHARMACEUTICAL PREPARATION CONSISTING OF A STERILE TEN PERCENT SOLUTION OF CALCIUM SALTS OF GLUCONIC AND LEVULINIC ACIDS FOR INTRAMUSCULAR AND INTRAVENOUS INJECTION.
Claims use since May 1, 1936.

Ser. No. 533,104. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Sept. 2, 1947.

C. S. R.

FOR ALKALINE COMPOUND USED AS THE ELECTROLYTE IN THE ELECTROLYTIC, REVERSE CURRENT-CLEANING OF FERROUS METALS.
Claims use since August 1939.

Ser. No. 533,564. HAMPDEN COLOR AND CHEMICAL COMPANY, Springfield, Mass. Filed Sept. 5, 1947. Under section 2f of the act of 1946.

Hampden

Applicant claims ownership of Registration No. 298,667.
FOR ACIDS: ACETIC ACID, BORIC ACID, ELECTROLYTIC ACID, FORMIC ACID, MURIATIC ACID, NITRIC ACID, OLEIC ACID, OXALIC ACID, STEARIC ACID, SULPHURIC ACID, CHROMIC ACID, PHOSPHORIC ACID, TARTARIC ACID; ALKALIES: BICARBONATE OF SODA, BORAX (ALL GRADES), CAUSTIC POTASH, CAUSTIC SODA, SODA ASH; PHOSPHATES: DI AMMONIUM PHOSPHATE, DI SODIUM PHOSPHATE ANHYDROUS, MONO SODIUM PHOSPHATE, ANHYDROUS, TETRA SODIUM PYRO PHOSPHATE, TRI SODIUM PHOSPHATE, MODIFIED SODA, CAUSTIC ASH; SOLVENTS: ACETONE C. P., ALCOHOL (SOLVENT AND ANHYDROUS), AMYL ACETATE, BUTYL ACETATE, BUTYL ALCOHOL, DIACETONE ALCOHOL, DIETHYLENE GLYCOL, ETHYL ACETATE, 2-ETHYLBUTYL ALCOHOL, ETHYL ETHER, ETHYLENE DICHLORIDE, 2-ETHYL HEXYL ALCOHOL, HEPTANOL-3, ISOPROPANOL, METHANOL, METHYL ACETONE, METHYL AMYL ACETATE, METHYL AMYL ALCOHOL, MONOETHANOLAMINE, MORPHOLINE, PROPYLENE GLYCOL "NF," TRIETHANOLAMINE, TRICHLOROETHYLENE, CARBON TETRACHLORIDE, PERCHLORETHYLENE, BENZOL, TOLUOL, XYLOL, NAPHTHA (III FLASH); CASTOR OIL, WATER WHITE PINE OIL; MISCELLANEOUS CHEMICALS: ALUMINA, SULPHATE (IRON FREE), ALUM AMMONIA, ALUM POTASH, AMMONIA (ANHYDROUS), AMMONIA AQUA, AMMONIUM CHLORIDE, AMMONIUM SULPHATE, AMMONIUM SULPHOCYANATE, ARSENIC (WHITE), BARIUM CARBONATE, BARIUM CHLORIDE, BARIUM HYDROXIDE, BARIUM SULPHATE, BETA NAPHTHOL, BENTONITE, BLACK (CARBON GAS), CALCIUM CHLORIDE FLAKES, CALCIUM NITRATE, CARBON BISULPHIDE, LIQUID CHLORINE; COPPER CARBONATE, COPPER CHLORIDE, COPPER CYANIDE, COPPER SULPHATE, CUPRODINE, CYANIDE CHLORIDE MIXTURE, COAL TAR DISINFECTANT, PINE OIL DISINFECTANT, EPSOM SALT (MAGNESIUM SULPHATE), GLYCERINE (CP & HG), HYDROGEN PEROXIDE, IRON CHLORIDE SOLUTION, LEAD ACETATE, LITHARGE, LITHARGE BATTERY, MAGNESIUM CARBONATE, MAGNESIUM CHLORIDE FLAKE, MAGNESIUM FLUOSILICATE, MAGNESIUM SULPHATE, MANGANESE CHLORIDE, METHYL SALICYLATE, MICA, NAPHTHALENE, NAPHTHOL (A. S.), NICKEL CHLORIDE, NICKEL SALTS, PINE STEAM DISTILLED OIL, RED OIL (OLEIC ACID), TURKEY SULPHONATED OIL, ORTHODICHLOROBENZINE, PARADICHLOROBENZINE; ZINC ACETATE, ZINC CHLORIDE (GRANULAR), ZINC CYANIDE, ZINC SULPHATE (MONO-HYDRATE), ZINC SULPHATE; POTASSIUM BICHROMATE, CAUSTIC POTASH, POTASSIUM CYANIDE, MURIATE OF POTASH, POTASSIUM NITRATE, POTASSIUM PERMANGANATE, ROCHELLE SALTS, SALT (ANTIMONY 65%), SODIUM ACETATE, SODIUM ALUMINATE (CP DRY), SODIUM BICARBONATE, SODIUM BICHROMATE CRYSTALS, SODIUM BISULPHATE, SODIUM BISULPHITE (ANHYDROUS), SODIUM CHLORATE, SODIUM CYANIDE, SODIUM FLUORIDE, SODIUM FORMATE, SODIUM HYDROSULPHITE, SODIUM HYPOCHLORITE, SODIUM HYPOSULPHITE, SODIUM METASILICATE, SODIUM NITRATE, SODIUM NITRITE, SODIUM ORTHOSILICATE, SODIUM PERBORATE, SODIUM PHOSPHATE (DI), SODIUM PHOSPHATE (MONO), SODIUM PHOSPHATE (TRI), SODIUM PHOSPHATE (TETRA PYRO), SODIUM SILICATE, SODIUM SILICOFLUORIDE, SODIUM SULPHATE ANHYDROUS, SODIUM SULPHATE CRYSTALS, SODIUM SULPHIDE, SODIUM SULPHITE, SODIUM SULPHYDRATE (LIQUID), SAL SODA, SOLDERING FLUX; STEARATES: ALUMINUM, CALCIUM, MAGNESIUM, ZINC; SULPHUR FLOUR; TALCUM POWDER; CREAM OF TARTAR; FORMALDEHYDE.
Claims use since 1904.

Ser. No. 535,753. E. R. SQUIBB & SONS, New York, N. Y. Filed Sept. 25, 1947.

RUTORBIN

FOR TABLETS CONTAINING BOTH RUTIN AND ASCORBIC ACID, FOR USE IN CONNECTION WITH CAPILLARY FRAGILITY AND RELATED CONDITIONS.
Claims use since Aug. 29, 1947.

Ser. No. 538,684. VELODENT PRODUCTS MFG. CO., INC., New York, N. Y. Filed Oct. 22, 1947.

Velo

FOR RODENTICIDES AND INSECTICIDES.
Claims use since Oct. 14, 1947.

Ser. No. 546,995. INDUSTRIAL RESEARCH, INC., Phoenix, Ariz. Filed Jan. 14, 1948.

FLUSH-O-MATIC

The word "Flush" is disclaimed apart from the mark as shown.
FOR CHEMICAL COMPOUND FOR CLEANING AND FLUSHING LIQUID COOLING SYSTEMS OF AUTOMOBILES AND OTHER INTERNAL COMBUSTION ENGINES.
Claims use since Oct. 1, 1947.

Ser. No. 550,572. ALFRED I. AARONSON, doing business as The Pandex Company, Baltimore, Md. Filed Feb. 26, 1948.

Pandex

FOR MEDICATED CREAM.
Claims use since Dec. 7, 1947.

Ser. No. 552,166. DUMAS M. REDMOND, doing business as Mecco Sales Co., Brooklyn and New York, N. Y. Filed Mar. 17, 1948.



Applicant disclaims the exclusive right to the word "Foot" apart from the mark shown.
FOR FOOT LOTION.
Claims use since Sept. 1, 1947.

Ser. No. 552,167. ROBINSON-WAGNER CO., INC., New York, N. Y. Filed Mar. 17, 1948.

LANOGENE

FOR VISCOUS, OILY DISTILLATE OF LANOLIN, CONSISTING LARGELY OF ITS LIQUID ESTERS.
Claims use since Jan. 15, 1947.

Ser. No. 553,013. THE PARFUMS LILLY DACHE, LTD., New York, N. Y. Filed Mar. 25, 1948. Under section 2f of the act of 1946.

Lelly Daché

The name shown on the drawing is the name of a living individual—namely, Lilly Dache, the consent to the use and registration of her name being filed herein. Applicant claims ownership of Registration No. 337,747.
FOR PERFUME, TOILET WATER, EAU DE COLOGNE, FACE POWDER, SACHET POWDER, LOTIONS FOR THE SKIN AND HAIR, BRILLIANTINE, POWDER COMPACTS, ROUGE COMPACTS, LIPSTICK, ROUGE, TALCUM POWDER, DUSTING POWDER, FACE CREAMS, BATH SALTS, AND MANICURE PREPARATIONS, INCLUDING CUTICLE CREAM, CUTICLE OIL, LIQUID POLISH, AND POLISH SOLVENT.
Claims use since Sept. 6, 1935.

Ser. No. 554,364. CASEY-AIKENS PHARMACEUTICALS, Kansas City, Mo., assignor to Roy C. Aikens, doing business as Casey-Aikens Pharmaceuticals, Kansas City, Mo. Filed Apr. 12, 1948.

ZERODERMA

FOR FUNGICIDAL SOLUTION FOR THE RELIEF OF ATHLETE'S FOOT, HAND ITCH, AND COMMON IRRITATIONS.
Claims use since Feb. 24, 1948.

Ser. No. 554,847. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed Apr. 17, 1948.

LANODINE

FOR METALLIC SOAPS, AND HIGH MOLECULAR WEIGHT ALCOHOLS DERIVED FROM WOOL GREASE.
Claims use since Feb. 25, 1948.

Ser. No. 555,961. DR. SALSBURY'S LABORATORIES, Charles City, Iowa. Filed Apr. 30, 1948.

Ar-Sulfa

No claim is made herein to the word "Sulfa."
FOR PREPARATIONS FOR USE IN TREATING POULTRY, DOMESTIC ANIMALS AND FARM LIVESTOCK—NAMELY, ANTHELMINTICS, ANTIGENS, BACTERINS, CONDITIONERS, DISINFECTANTS, FUMIGANTS, HERBICIDES, INHALANTS, INSECTICIDES, OINTMENTS, RODENTICIDES, TONICS, VACCINES, AND PREPARATIONS FOR IRRIGATING AND WASHING EARS AND EXTERNAL MEMBRANES, FOR PREVENTING CANNIBALISM, FOR PREVENTING COCCIDIOSIS, AND FOR STIMULATING GROWTH.
Claims use since Nov. 19, 1947.

Ser. No. 556,426. LOLA DURHAM, Dayton, Ohio. Filed May 7, 1948.

LOLA

FOR PHARMACEUTICAL PRODUCT SUCH AS POMADE, HAIR DRESSING, AND SHAMPOO FOR EXTERNAL APPLICATION.
Claims use since Mar. 1, 1946.

Ser. No. 557,501. CLINICAL PRODUCTS LIMITED, Richmond, Surrey, England. Filed May 21, 1948.

POLYCREST

Applicant claims ownership of British Registration No. 666,182, dated Jan. 26, 1948.
FOR OINTMENT FOR HUMAN USE.

Ser. No. 558,036. ANNA C. KAITS, doing business as American Proprietaries, Philadelphia, Pa. Filed May 28, 1948.

JIFFY

FOR PREPARATIONS FOR THE TREATMENT OF THE SCALP AND HAIR.
Claims use since July 1926.

Ser. No. 558,734. THE E. L. PATCH COMPANY, Stoneham, Mass. Filed June 8, 1948.

SLOWTEN

FOR SEDATION TABLETS.
Claims use since Jan. 21, 1948.

Ser. No. 559,260. LEON TUHOLSKE, doing business as TX Company, Akron, Ohio. Filed June 15, 1948.

TX

FOR DERMATOLOGICAL PREPARATIONS FOR FUNGUS AND OTHER MINOR SKIN INFECTIONS.
Claims use since Aug. 1, 1946.

Ser. No. 559,967. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed June 22, 1948.

Syrethadon

FOR MEDICINAL PREPARATION FOR THE ALLEVIATION OF COUGHS.
Claims use since Mar. 24, 1948.

Ser. No. 560,023. INTERCHEMICAL CORPORATION, New York, N. Y. Filed June 23, 1948.

AQUAPRINT

FOR DYESTUFFS AND DYESTUFF PRINTING PASTES FOR TEXTILES.
Claims use since June 14, 1948.

Ser. No. 560,068. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed June 23, 1948.

Baciguent

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES COMPRISING AN OINTMENT CONTAINING AS AN ACTIVE INGREDIENT THE ANTIBIOTIC BACITRACIN.
Claims use since Apr. 6, 1948.

Ser. No. 561,239. IRENE L. HOLTS, doing business as Dell Products, Plainfield, N. J. Filed July 13, 1948.

nue

FOR ANTISEPTIC MOUTHWASH.
Claims use since Feb. 2, 1948.

Ser. No. 561,342. WILLIAM H. REGAN, doing business under the name of Cap-Cal-Ox Laboratory, Bergenfield, N. J. Filed July 14, 1948.

VOLCANO

FOR BLAND ANTISEPTIC, EMOLLIENT, AND POWERFUL SUPPURATIVE FOR THE TREATMENT OF BOILS, CARBUNCLES, FELONS, ABSCESSES, AND OTHER INFLAMED CONDITIONS ACCOMPANIED BY SECRETIONS OF PUS.
Claims use since July 1, 1921.

Ser. No. 561,827. HOFFMANN-LA ROCHE INC., Nutley, N. J. Filed July 21, 1948.

GANTRISIN

FOR CHEMO-THERAPEUTIC AGENT FOR TREATMENT OF INTERNAL BACTERIAL INFECTIONS.
Claims use since June 23, 1948.

Ser. No. 563,030. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Aug. 7, 1948.

CAL-OL

Applicant claims ownership of Registrations Nos. 108,183, 275,576, 276,589, 306,326, and 309,878.
FOR INSECTICIDAL CARRIERS AND SOLVENTS.
Claims use since April 1948.

Ser. No. 563,510. GEORGE J. WEBB, doing business as Webby Company, Brockton, Mass. Filed Aug. 16, 1948.

WEBCO

FOR CHEMICAL SOLUTION FOR USE IN BATTERIES.
Claims use since Dec. 1, 1947.

Ser. No. 563,507. BEACH SOAP COMPANY, Lawrence, Mass. Filed Aug. 17, 1948.

Fluorium

FOR WHITENING AND BRIGHTENING MATERIAL FOR USE IN WASHING TEXTILES.
Claims use since Apr. 27, 1948.

Ser. No. 563,895. HENRI BENDEL, INC., New York, N. Y. Filed Aug. 24, 1948. Under section 2f of the act of 1946.

Eau de Sachet

Applicant claims ownership of Registration No. 417,809.
FOR TOILET WATER.
Claims use since Apr. 24, 1941.

Ser. No. 563,896. HENRI BENDEL, INC., New York, N. Y. Filed Aug. 24, 1948. Under section 2f of the act of 1946.

white freezia

Applicant claims ownership of Registration No. 400,431.
FOR TOILET WATER, PERFUME, AND COLOGNE.
Claims use since Mar. 1, 1940.

Ser. No. 563,952. ANNA PACINI, doing business as Hollywood Cosmetics Co., Memphis, Tenn. Filed Aug. 24, 1948.

Rochester

FOR HAIR POMADE.
Claims use since July 6, 1948.

Ser. No. 564,846. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Sept. 16, 1948.

PROPATHRICIN

Applicant claims ownership of Registration No. 413,546.
FOR ANTIBACTERIAL PRESSOR AND VASO-CONSTRICTOR PREPARATION.
Claims use since Sept. 15, 1948.

Ser. No. 564,952. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed Sept. 10, 1948.

FLAMBOYANT

FOR LIPSTICKS.
Claims use since July 15, 1948.

Ser. No. 565,007. ROSETH CORPORATION, New York, N. Y., and Brooklyn, N. Y. Filed Sept. 11, 1948.

MOTHEX

Applicant claims ownership of Registration No. 330,348.
FOR MOTHPROOFING LIQUIDS, MOTH CAKES, AND MOTH CRYSTALS.
Claims use since 1925.

Ser. No. 565,116. CLARK & CLARK CO., Wenonah, N. J. Filed Sept. 14, 1948.

PEN-PHETAMINE

Applicant claims ownership of Registration No. 419,698.
FOR TABLETS FOR THE RELIEF OF DYSMENORRHEA AND NON-ORGANIC PAIN CONTAINING A SALT OF AMPHETAMINE, AN ANALGESIC, AND A SEDATIVE.
Claims use since June 1943.

Ser. No. 565,117. CLARK & CLARK CO., Wenonah, N. J. Filed Sept. 14, 1948.

PROFETAMINE

Applicant claims ownership of Registration No. 419,697.
FOR TABLETS, POWDERS, AND CHEWING GUM FOR USE AS A STIMULANT CONTAINING A SALT OF AMPHETAMINE.
Claims use since January 1942.

Ser. No. 565,158. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Sept. 15, 1948.

SUBDAMINE

FOR SEDATIVE PREPARATION.
Claims use since Sept. 2, 1948.

Ser. No. 565,159. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed Sept. 15, 1948.

VARIMYCIN

FOR ANTIBIOTICS.
Claims use since Aug. 12, 1948.

Ser. No. 565,398. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Sept. 23, 1948.

CRAMOTHALIDINE

Applicant claims ownership of Registration No. 424,155.
FOR ANTIBACTERIAL PREPARATION.
Claims use since Sept. 21, 1948.

Ser. No. 575,514. ABBOTT LABORATORIES, North Chicago, Ill. Filed Mar. 16, 1949.

GLUCALBOTT

FOR PHARMACEUTICAL PREPARATION INTENDED FOR USE IN THE TREATMENT OF HYPOCALCEMIA.
Claims use since March 1941.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 545,717. H. COMOY & CO., LIMITED, London, England. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

COMOY'S

FOR TOBACCO PIPES, CIGAR AND CIGARETTE HOLDERS, TOBACCO POUCHES, CIGAR AND CIGARETTE CASES AND BOXES, TOBACCO JARS AND ASH TRAYS.
Claims use since 1897.

Ser. No. 545,718. H. COMOY & CO., LIMITED, London, England. Filed Dec. 30, 1947.

Everyman

FOR TOBACCO PIPES, CIGAR AND CIGARETTE HOLDERS, TOBACCO POUCHES, CIGAR AND CIGARETTE CASES AND BOXES, TOBACCO JARS AND ASH TRAYS.
Claims use since 1925.

Ser. No. 545,719. H. COMOY & CO., LIMITED, London, England. Filed Dec. 30, 1947.

TROCADERO

FOR TOBACCO PIPES.
Claims use since 1936.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 564,809. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Sept. 8, 1948.

STRIPKOLEX

FOR DYNAMITE.
Claims use since July 23, 1948.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 555,328. WESTERN NEWSPAPER UNION, Dover, Del., and Omaha, Nebr. Filed Apr. 22, 1948.

BLACK DIAMOND

FOR PRINTING INKS, PARTICULARLY NEWS INKS.
Claims use since 1910.

Ser. No. 562,652. MILLER-COOPER INK COMPANY, Kansas City, Mo. Filed Aug. 2, 1948.

MOISET

FOR PRINTING INKS.
Claims use since May 1, 1947.

Ser. No. 562,653. MILO HARDING COMPANY, Los Angeles, Calif. Filed Aug. 2, 1948.

TEMPO

Applicant claims ownership of Registration No. 293,678.
FOR INK AND INK PADS FOR USE WITH DUPLICATING MACHINES.
Claims use since Dec. 1, 1929.

Ser. No. 563,111. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., Glen Cove, N. Y. Filed Aug. 10, 1948.

Gilt Edge

Applicant claims ownership of Registration No. 292,752.
FOR CARBON PAPER AND TYPEWRITER RIBBONS.
Claims use since Oct. 6, 1931.

Ser. No. 563,740. INTERCHEMICAL CORPORATION, New York, N. Y. Filed Aug. 19, 1948.



Applicant claims ownership of Registration No. 500,752.
FOR TYPEWRITER RIBBON AND CARBON PAPER.
Claims use since June 25, 1947.

Ser. No. 564,254. GODFREY L. CABOT, INC., Boston, Mass. Filed Aug. 20, 1948.

ONYX

FOR CARBON BLACK WHEN USED AS A PIGMENT FOR INKS.
Claims use since May 21, 1948.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 527,453. STAVINEER CORPORATION, Chicago, Ill. Filed July 5, 1947. CERTIFICATION MARK.

STAVINEER

FOR PREFABRICATED BUILDING PANELS MADE UP OF A WALL BOARD BACKING, A LAYER OF CEMENTITIOUS MATERIAL ON SAID BACKING, AND COMPARATIVELY THIN REAL BRICK OR REAL STONE MEMBERS EMBEDDED IN SAID CEMENTITIOUS MATERIAL (SUCH BUILDING PANELS ARE USED FOR COVERING THE EXTERIOR OF EITHER OLD OR NEW BUILDINGS, AND TO A LESSER EXTENT THEY ARE USED INSIDE A BUILDING FOR SUCH PURPOSES AS FIREPLACES, ETC.).
Claims use since Apr. 8, 1947.

Ser. No. 544,690. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Dec. 16, 1947.



Applicant claims ownership of Registration No. 387,622.
FOR ARCHITECTURAL WALL PANELS.
Claims use since June 3, 1939.

Ser. No. 545,577. CARR, ADAMS & COLLIER COMPANY, Dubuque, Iowa. Filed Dec. 27, 1947. Under section 2f of the act of 1946.

BILT WELL

Applicant claims ownership of Registrations Nos. 141,030 and 388,175.
FOR FABRICATED WOODWORK—VIZ, FIREPLACE MANTLES; STAIR WORK; STAIR PARTS, CASEMENTS AND FRAMES THEREFOR; WINDOW FRAMES; COMBINATION (STORM AND SCREEN) DOORS; ENTRANCES; DOORS AND FRAMES THEREFOR; GARAGE DOORS; GABLE SASH AND LOUVRES AND FRAMES THEREFOR; AND WINDOW AND DOOR SCREENS.
Claims use since March 1920.

Ser. No. 549,366. CURTIS COMPANIES INCORPORATED, Clinton, Iowa. Filed Nov. 17, 1947. Under section 2f of the act of 1946.

SILENTITE "Pre-Fit"

Applicant claims ownership of Registration No. 306,213.
FOR WINDOW FRAMES, WINDOWS, AND PARTS THEREOF.
Claims use since October 1931.

Ser. No. 553,213. ORANGEBURG MANUFACTURING CO., INC., Orangeburg, N. Y. Filed Mar. 27, 1948. Under section 2f of the act of 1946 as to "Orangeburg."



Applicant disclaims the words "Conduit" and "Pipe" apart from the mark as shown. Applicant claims ownership of Registrations Nos. 360,511, 360,774, and 69,165.
FOR CONDUIT, DUCTS, AND PIPES MADE OF FIBRE COMPOSITION, AND FITTINGS FOR THE SAME.
Claims use since Feb. 1, 1948, as shown; and since December 1893 to the word Orangeburg.

Ser. No. 554,249. NORTH AMERICAN CEMENT CORPORATION, New York, N. Y. Filed Apr. 9, 1948.

NORTH AMERICAN

Applicant claims ownership of Registration No. 228,242.
FOR PORTLAND CEMENT.
Claims use since 1933.

Ser. No. 555,601. GLOBE ROOFING PRODUCTS CO., INC., Whiting, Ind. Filed Apr. 26, 1948.

Thermo-Thatch

Applicant claims ownership of Registration No. 363,337.
FOR ASPHALT COMPOSITION SHINGLES, ROOFING, AND SIDING.
Claims use since Apr. 9, 1948.

Ser. No. 555,736. CORHART REFRACTORIES COMPANY, Louisville, Ky. Filed Apr. 28, 1948.

CORHART

Applicant claims ownership of Registration No. 246,879.
FOR REFRACTORY BLOCKS FOR FURNACES.
Claims use since Mar. 19, 1928.

Ser. No. 556,478. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio. Filed May 7, 1948. Under section 2f of the act of 1946.

CAREYLOK

Applicant claims ownership of Registrations Nos. 105,349 and 124,284.
FOR BITUMINOUS COMPOSITION SHINGLES.
Claims use since Aug. 2, 1926.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 529,972. THE DILL MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 30, 1947. Under section 2f of the act of 1946.

LOK-SKRU

FOR TWO-PART THREADED BLIND RIVETS.
Claims use since July 1, 1938.

Ser. No. 539,225. SOUTHERN STATES IRON ROOFING COMPANY, Savannah, Ga. Filed Oct. 27, 1947. Under section 2f of the act of 1946.

EVERWEAR

Applicant claims ownership of Registration No. 383,941.
FOR TURPENTINE CUPS, APRONS, AND CUP COVERS ALL MADE OF METAL.
Claims use since October 1935.

Ser. No. 543,539. SOUTHWEST STEEL ROLLING MILLS, Los Angeles, Calif. Filed Dec. 5, 1947.

SSS

FOR METAL FENCE POSTS.
Claims use since Apr. 1, 1947.

Ser. No. 543,886. CECO STEEL PRODUCTS CORPORATION, Chicago, Ill. Filed Dec. 10, 1947.

CECO

Applicant claims ownership of Registrations Nos. 118,182, 405,471, and 406,906.
FOR METAL SCREEN CLOTH, HARDWARE CLOTH, WINDOW LIFTS, HINGES, AND ADJUSTERS, METAL FENCE POSTS, NAILS, AND METAL FENCING.
Claims use since 1927 on metal fence posts, nails, and metal fencing; and since 1935, on metal screen cloth, hardware cloth, window-lifts, hinges, and adjusters.

Ser. No. 544,101. JULIUS F. NEBIKER, doing business as Nebiker Products Company, Peoria, Ill. Filed Dec. 11, 1947.

ShuNebs

The word "Shu" is disclaimed.
FOR SHOE HANGERS.
Claims use since October 1947.

Ser. No. 545,086. CONTINENTAL STEEL CORPORATION, Kokomo, Ind. Filed Dec. 22, 1947.

Liberty

Applicant claims ownership of Registration No. 215,227.
FOR FENCING—VIZ., FARM AND POULTRY FENCE, AND ORNAMENTAL FENCE MADE OF WIRE AND IRON, AND GATES THEREFOR OF THE SAME MATERIALS.
Claims use since Jan. 22, 1924.

Ser. No. 545,087. CONTINENTAL STEEL CORPORATION, Kokomo, Ind. Filed Dec. 22, 1947.

CHAMPION

Applicant claims ownership of Registrations Nos. 215,228 and 265,100.
FOR BARBED WIRE.
Claims use since May 1, 1929.

Ser. No. 545,094. CONTINENTAL STEEL CORPORATION, Kokomo, Ind. Filed Dec. 22, 1947.

-FEL-ROF-

Applicant claims ownership of Registration No. 284,189.
FOR NAILS.
Claims use since Jan. 14, 1931.

Ser. No. 545,097. CONTINENTAL STEEL CORPORATION, Kokomo, Ind. Filed Dec. 22, 1947.

Flame Sealed

Applicant claims ownership of Registrations Nos. 301,389 and 301,931.
FOR BARBED WIRE AND WIRE FENCE.
Claims use since Oct. 27, 1932.

Ser. No. 546,011. NORTHWEST TUBE & METAL FABRICATORS, Portland, Oreg. Filed Jan. 26, 1948.

FLUMITE

FOR METALLIC IRRIGATION TUBES, SPRINKLER HEADS, AND IRRIGATION TUBE FITTINGS, PARTICULARLY FOR PORTABLE IRRIGATION SYSTEMS.
Claims use since January 1945.

Ser. No. 551,376. EVERLASTING VALVE COMPANY, Jersey City, N. J. Filed Mar. 6, 1948. Under section 2f of the act of 1946.

FLATPLUG

Applicant claims ownership of Registration No. 167,979.
FOR VALVES.
Claims use since Sept. 16, 1921.

Ser. No. 551,919. TALON, INC., Meadville, Pa. Filed Mar. 13, 1948.

WILZIP

FOR SLIDE FASTENERS.
Claims use since Feb. 26, 1948.

Ser. No. 552,137. THE FORD METER BOX COMPANY, INC., Wabash, Ind. Filed Mar. 17, 1948.

COPPERSETTER

FOR WATER METER COUPLINGS.
Claims use since September 1933.

Ser. No. 552,138. THE FORD METER BOX COMPANY, INC., Wabash, Ind. Filed Mar. 17, 1948.

COPPERHORN

FOR WATER METER COUPLINGS.
Claims use since Nov. 15, 1931.

Ser. No. 552,255. MONOGRAM MANUFACTURING COMPANY, West Los Angeles and Los Angeles, Calif. Filed Mar. 15, 1948.

Mono-Bol

FOR DRAWER AND DOOR HANDLES.
Claims use since Jan. 14, 1948.

Ser. No. 552,492. G. E. PRENTICE MANUFACTURING COMPANY, Kensington, Conn. Filed Mar. 19, 1948. Under section 2f of the act of 1946.

PRENTICE

Applicant claims ownership of Registration No. 294,601.
FOR SLIDE OPERATED FASTENERS.
Claims use since 1926.

Ser. No. 552,493. G. E. PRENTICE MANUFACTURING COMPANY, Kensington, Conn. Filed Mar. 19, 1948. Under section 2f of the act of 1946.

TU-WAY

Applicant claims ownership of Registration No. 329,504.
FOR SLIDE OPERATED FASTENERS.
Claims use since September 1934.

Ser. No. 553,731. MERIT ENTERPRISES, INC., Brooklyn, N. Y. Filed Apr. 2, 1948.

MERCURY

FOR ALUMINUM COOKING UTENSILS—NAMELY, PRESSURE COOKERS.
Claims use since Mar. 17, 1948.

Ser. No. 563,978. O. A. NORLUND COMPANY, INC., Williamsport, Pa. Filed Mar. 15, 1948.

DIAMOND

FOR ICE CREEPERS FOR USE IN CONNECTION WITH HUMAN FOOTWEAR, INCLUDING ICE CREEPERS FOR MEN, WOMEN, AND CHILDREN.
Claims use since 1905.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 551,547. ENGLISH METAL POWDER COMPANY LIMITED, London and West Drayton, England. Filed Mar. 9, 1948.

EMPCO

Applicant claims ownership of British Registrations No. 632,442, dated Nov. 1, 1944, and No. 632,443, dated Nov. 1, 1944.
FOR ALUMINUM IN POWDER OR PASTE FORM.

Ser. No. 556,676. AMERICAN TYPE FOUNDERS, INCORPORATED, Elizabeth, N. J. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

KAUFMANN

Applicant claims ownership of Registration No. 273,274.
FOR PRINTING TYPE.
Claims use since September 1930.

CLASS 15

OILS AND GREASES

Ser. No. 507,223. HENRY HOWARD SESSIONS, doing business as Emblem Oil Company, North Long Beach, Calif. Original filed Aug. 10, 1946, under the act of 1905; amended to application under act of 1946, Mar. 22, 1948.

EMSEL

FOR DIESEL MOTOR FUELS AND DIESEL MOTOR OILS.
Claims use since May 28, 1946.

Ser. No. 548,036. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo. Filed Jan. 26, 1948. Under section 2f of the act of 1946.

WEARWELL

Applicant claims ownership of Registration No. 380,758.
FOR MOTOR OIL.
Claims use since Nov. 1, 1938.

Ser. No. 551,550. ESSO STANDARD OIL COMPANY, Wilmington, Del., and New York, N. Y. Filed Mar. 9, 1948. Under section 2f of the act of 1946.

SLIPKOTE

Applicant claims ownership of Registration No. 406,501.
FOR LUBRICATING GREASE.
Claims use since Mar. 3, 1939.

Ser. No. 552,799. THE PURE OIL COMPANY, Chicago, Ill. Filed Mar. 23, 1948.

PUROSOL

Applicant claims ownership of Registrations Nos. 278,158, 280,466, and 396,571.
FOR SOLUBLE OIL FOR USE AS CUTTING OIL.
Claims use since June 1, 1930.

Ser. No. 553,616. THE HODSON CORPORATION, Chicago, Ill. Filed Apr. 1, 1948.



Applicant claims ownership of Registration No. 334,493.
FOR LUBRICATING OILS AND GREASES.
Claims use since December 1935.

Ser. No. 555,020. SINCLAIR REFINING COMPANY, New York, N. Y. Filed Apr. 19, 1948.

CERCAX

FOR MINERAL WAX.
Claims use since Mar. 25, 1944.

Ser. No. 555,141. MABEL K. BAKER, doing business as Colonial Candle Co. of Cape Cod, Barnstable, Mass. Filed Apr. 21, 1948.



No claim is made to the word "Handipt" apart from the mark, and no claim is made to the representation of the candle shown apart from the mark.
FOR CANDLES.
Claims use since June 15, 1912.

Ser. No. 536,852. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Apr. 29, 1948.

DARVAL

FOR LUBRICATING OILS.
Claims use since Jan. 23, 1948.

Ser. No. 557,004. BABSON BROS. CO., Chicago, Ill. Filed May 14, 1948.

Surge

FOR LUBRICATING OIL AND PARTICULARLY FOR VACUUM PUMPS AND PULSATORS USED WITH MILKING MACHINES.
Claims use since Aug. 23, 1936.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 533,357. PHELAN-FAUST PAINT MFG. CO., St. Louis, Mo. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

Faustone

FOR INTERIOR FLAT WALL PAINT.
Claims use since Jan. 5, 1911.

Ser. No. 536,337. BAKER PAINT & VARNISH CO., Jersey City, N. J. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

STAIZON

Applicant claims ownership of Registration No. 159,605.
FOR MIXED PAINTS, VARNISHES, AND ENAMEL COATINGS.
Claims use since December 1916.

Ser. No. 550,113. BINNEY & SMITH COMPANY, New York, N. Y. Filed Feb. 19, 1948.

COVARNISHBLAK

Applicant claims ownership of Registrations Nos. 430,195 and 432,982.
FOR PREPARATION OF CARBON BLACK, RESIN, AND SOLVENT FOR COLORING PAINTS AND PROTECTIVE COATINGS.
Claims use since Nov. 6, 1947.

Ser. No. 552,730. ALSTON-LUCAS PAINT CO., Lyons, Ill. Filed Mar. 23, 1948.

BRYNOX

FOR PAINT, PARTICULARLY ADAPTED TO BE APPLIED TO EXTERIOR METAL SURFACES.
Claims use since September 1940.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 525,430. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Original filed July 1, 1947, under the act of 1905; amended to application under act of 1946, Mar. 13, 1948. Under section 2f of the act of 1946.

BOHANNON'S



CABIN HOME

FOR PLUG, TWIST, AND SMOKING TOBACCO.
Claims use since Jan. 1, 1900.

Ser. No. 545,903. A. SENSENBRENNER SONS, Los Angeles, Calif. Filed Dec. 31, 1947.



The portrait of a lady which appears on the drawing is fanciful. Applicant claims ownership of Registrations Nos. 317,622 and 276,498.
FOR CIGARS.
Claims use since Nov. 12, 1887.

Ser. No. 547,490. A. SENSENBRENNER SONS, Los Angeles, Calif. Filed Jan. 19, 1948.



The portrait of a lady which appears on the drawing is fanciful. Applicant claims ownership of Registrations Nos. 317,622, 276,498, 396,981, 276,494, 317,621, 276,497, and 502,083.
FOR CIGARS.
Claims use since Nov. 12, 1887.

Ser. No. 547,491. A. SENSENBRENNER SONS, Los Angeles, Calif. Filed Jan. 19, 1948.



The portrait of a man which appears on the drawing is fanciful. Applicant claims ownership of Registration No. 430,296.
FOR CIGARS.
Claims use since 1910.

CLASS 19

VEHICLES

Ser. No. 507,822. LAHER SPRING AND TIRE CORPORATION, Oakland, Calif. Original filed Aug. 13, 1946, under the act of 1905; amended to application under act of 1946, Nov. 4, 1947. Under section 2f of the act of 1946.

LAHER

Applicant claims ownership of Registration No. 206,777.
FOR AUTOMOTIVE EQUIPMENT AND ACCESSORIES—NAMELY, LEAF SPRINGS.
Claims use since June 1, 1923.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 547,060. THE THOMAS & BETTS CO., Elizabeth, N. J. Filed Jan. 14, 1948. Under section 2f of the act of 1946.

TITE-BITE

FOR ARMOURED CABLE AND NON-METALLIC FLEXIBLE CONDUIT FITTINGS—NAMELY, CONNECTORS OF THE STRAIGHT AND ANGLED TYPE, COUPLINGS, COUPLING CONNECTORS, COMBINATION COUPLINGS.
Claims use since March 1929.

Ser. No. 548,874. IRVINGTON VARNISH & INSULATOR COMPANY, Irvington, N. J. Filed Jan. 30, 1948.

IVI-BIND

The word "Bind" is disclaimed.
FOR ELECTRICAL INSULATION MATERIAL—NAMELY, VARNISHED CAMBRIC SHEETING AND TAPE COATED ON THE BACK WITH A PRESSURE SENSITIVE ADHESIVE SUBSTANCE.
Claims use since Aug. 22, 1935.

Ser. No. 548,918. BULLDOG ELECTRIC PRODUCTS COMPANY, Detroit, Mich. Filed Feb. 6, 1948.

Fusenters

FOR ELECTRICAL PANELBOARDS.
Claims use since Sept. 1, 1925.

Ser. No. 553,352. WILBUR B. DRIVER COMPANY, Newark, N. J. Filed Mar. 30, 1948.

WBD

FOR ROUND AND FLAT WIRE, RIBBON, AND STRIP FORMED OF NON-FERROUS ALLOYS FOR ELECTRICAL RESISTANCE USE.
Claims use since July 1946.

Ser. No. 553,761. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo. Filed Apr. 2, 1948.

PLA-MOR

Applicant claims ownership of Registration No. 340,344.
FOR RADIO RECEIVING SETS AND RADIO TUBES.
Claims use since May 1, 1935.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 527,778. THE WORTHINGTON BALL COMPANY, Elyria, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

TUFFBALL

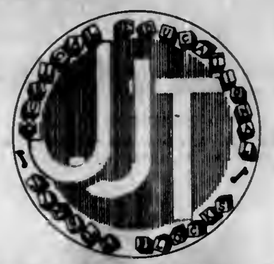
Applicant claims ownership of Registration No. 351,716.
FOR GOLF BALLS.
Claims use since Nov. 7, 1935.

Ser. No. 551,319. STANLEY SAVAGE, doing business as Savage Metal Products, Seattle, Wash. Filed Mar. 5, 1948.

SAVAGE

FOR FISHING TACKLE—NAMELY, FISHING REEL HOLDERS AND CONNECTION JOINTS FOR SECTIONS OF FISH POLES.
Claims use since July 15, 1946.

Ser. No. 551,636. JINGLE JOY TOYS, INC., Orlando, Fla. Filed Mar. 10, 1948.



The drawing is lined for shading only. The words "Musical Educational Jingle Blocks" are disclaimed apart from the mark.
FOR TOY BLOCKS.
Claims use since Nov. 15, 1947.

Ser. No. 554,834. STOWE-WOODWARD, INC., Newton Upper Falls and Newton, Mass. Filed Apr. 16, 1948.

TENSITE

FOR BILLIARD TABLE CUSHIONS.
Claims use since 1937.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 516,955. CHESHIRE MAILING MACHINES, INC., Chicago, Ill. Original filed Feb. 5, 1947, under the act of 1905; amended to application under act of 1946, Sept. 11, 1947. Under section 2f of the act of 1946.

CHESHIRE

FOR MECHANICALLY AND ELECTRICALLY OPERATED ADDRESSING AND MAILING MACHINES.
Claims use since January 1922.

Ser. No. 517,619. JOHN D. COCHIN, doing business as J. D. Cochin Manufacturing Co., South San Francisco, Calif. Original filed Feb. 17, 1947, under the act of 1905; amended to application under act of 1946, Jan. 19, 1948.



The drawing is lined for the color red. Applicant disclaims the representation of the automobile, the words "Manufacturing Co." and the phrase "Another Cochin Product" apart from the mark as shown.
FOR AUTOMOTIVE SERVICE EQUIPMENT—NAMELY, AUTOMOBILE LIFTS OF THE HYDRAULIC AND HYDRAULIC-PNEUMATIC TYPE, AIR COMPRESSORS AND HOSE WELLS FOR AIR AND WATER HOSE OF THE CHARACTER USED IN GARAGES AND AUTOMOBILE SERVICE STATIONS.
Claims use since Jan. 2, 1936.

Ser. No. 524,450. FRICK COMPANY, INC., Waynesboro, Pa. Original filed June 19, 1947, under the act of 1905; amended to application under act of 1946, Nov. 25, 1947.

ECLIPSE

FOR FARM MACHINERY—NAMELY, THRESHING MACHINERY, SAW-MILLS, PORTABLE AND STATIONARY STEAM-ENGINES, TRACTION-ENGINES, AND TRACTORS.
Claims use since 1876.

Ser. No. 526,529. DIAMOND CHAIN COMPANY, INC., Indianapolis, Ind. Filed July 5, 1947.



Applicant claims ownership of Registration No. 238,166.
FOR POWER TRANSMISSION CHAINS AND PARTS THEREOF, INCLUDING BUT NOT LIMITED TO BICYCLE CHAINS AND MOTORCYCLE CHAINS, SPROCKETS AND SPROCKET WHEELS FOR USE WITH POWER TRANSMISSION CHAINS, CONVEYOR CHAINS AND PARTS THEREOF, AND CHAIN TYPE FLEXIBLE SHAFT-COUPLINGS AND PARTS THEREOF.
Claims use since Apr. 18, 1896.

Ser. No. 533,184. MANZEL, INC., Buffalo, N. Y. Filed Sept. 3, 1947. Under section 2f of the act of 1946.

Manzel

FOR FORCE FEED LUBRICATOR PUMPS, CHEMICAL FEEDERS, WHEEL PULLERS, PISTON RING COMPRESSORS, PISTON RING GROOVE CLEANERS, POWER GREASE GUNS, HAND GREASE GUNS, AUTOMOTIVE AXLE STANDS, AIR COMPRESSORS, TORQUE WRENCHES, AUTOMOTIVE HAND TOOLS SUCH AS WRENCHES, PLIERS, HAMMERS, MALLETS, SCREW DRIVERS, CAR WASHING MACHINES, AND HYDRAULIC JACKS.
Claims use since Jan. 1, 1900.

Ser. No. 533,724. GENERAL FLUID MACHINERY CO., INC., Huntsville, Ala. Filed Sept. 8, 1947.

GFM

FOR HYDRAULIC JACKS.
Claims use since July 1, 1946.

Ser. No. 536,737. K. I. WILLIS CORPORATION, Moline, Ill. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

OK

FOR ELEVATOR CUPS.
Claims use since Dec. 5, 1921.

Ser. No. 539,869. GREENLEE BROS. & CO., Rockford, Ill. Filed Nov. 1, 1947. Under section 2f of the act of 1946.

GREENLEE

Applicant claims ownership of Registrations Nos. 224,193 and 224,194.
FOR METAL WORKING MACHINERY—NAMELY, AUTOMATIC SCREW MACHINES, MULTIPLE SPINDLE DRILLING AND TAPPING MACHINES, AND LINE

PROCESSING MACHINES PERFORMING DRILLING, TAPPING, BROACHING, MILLING, BORING, FACING, CHAMFERING, REAMING AND LIKE OPERATIONS; WOODWORKING MACHINERY—NAMELY, PLANERS, SHAPERS, MORTISERS, BORERS, SAWS, AND TENONERS; WOODWORKING TOOLS—NAMELY, CHISELS AND GOUGES, MACHINE BITS, ROUTING BITS, DRILLS, COUNTERSINKS, PLUG CUTTERS, AUGER BITS, EXPANSIVE BITS, DRAWKNIVES, AUTOMATIC PUSH DRILLS, SPIRAL SCREW DRIVERS, TURNING TOOLS; AND OTHER TOOLS—NAMELY, HYDRAULIC AND HAND PIPE BENDERS, TUBING BENDERS, HYDRAULIC PIPE PUSHERS, KNOCKOUT PUNCHES AND CUTTERS, JOIST BORERS, ELECTRICIANS' BITS, CABLE PULLERS, AND BELL HANGERS' DRILLS.

Claims use since September 1892.

Ser. No. 539,870. GREENLEE BROS. & Co., Rockford, Ill. Filed Nov. 1, 1947. Under section 2f of the act of 1946 as to "Greenlee."

GREENLEE

Applicant claims ownership of Registrations Nos. 224,193 and 224,194.

FOR METAL WORKING MACHINERY—NAMELY, AUTOMATIC SCREW MACHINES, MULTIPLE SPINDLE DRILLING AND TAPPING MACHINES, AND LINE PROCESSING MACHINES PERFORMING DRILLING, TAPPING, BROACHING, MILLING, BORING, FACING, CHAMFERING, REAMING, AND LIKE OPERATIONS; WOODWORKING MACHINERY—NAMELY, PLANERS, SHAPERS, MORTISERS, BORERS, SAWS, AND TENONERS; WOODWORKING TOOLS—NAMELY, CHISELS AND GOUGES, MACHINE BITS, ROUTING BITS, DRILLS, COUNTERSINKS, PLUG CUTTERS, AUGER BITS, EXPANSIVE BITS, DRAWKNIVES, AUTOMATIC PUSH DRILLS, SPIRAL SCREW DRIVERS, TURNING TOOLS; AND OTHER TOOLS—NAMELY, HYDRAULIC AND HAND PIPE BENDERS, TUBING BENDERS, HYDRAULIC PIPE PUSHERS, KNOCKOUT PUNCHES, AND CUTTERS, JOIST BORERS, ELECTRICIANS' BITS, CABLE PULLERS, AND BELL HANGERS' DRILLS.

Claims use since 1892 as to the name "Greenlee"; and since June 1945 as to the mark shown.

Ser. No. 541,485. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Nov. 18, 1947.

MISSABE

FOR POWER-OPERATED EXCAVATING DIPPERS AND PARTS THEREOF.

Claims use since 1911.

Ser. No. 542,598. LAMSON & GOODNOW MANUFACTURING COMPANY, Shelburne Falls, Mass. Filed Nov. 28, 1947. Under section 2f of the act of 1946.



MOHAWK

Applicant claims ownership of Registration No. 163,818.

FOR KNIVES FOR DOMESTIC USE—NAMELY, ARTISTS' KNIVES, ASPARAGUS-KNIVES, BUTCHER-KNIVES, BANANA-KNIVES, BREAD-KNIVES, BONING-KNIVES, BUTTER-KNIVES, BEET-KNIVES, BOWIE-KNIVES, BOLO-KNIVES, BAKERS'-KNIVES, CLAM-KNIVES, CHEESE-KNIVES, CIGAR-KNIVES, CANE-KNIVES, COTTON-KNIVES, CARVING-KNIVES, COOKS' KNIVES, DRUGGISTS' KNIVES, FISH-KNIVES, FRUIT-KNIVES, HACK-KNIVES, HUNTING-KNIVES, INK-KNIVES, LEMON-KNIVES, MIXING-KNIVES, MACHETES, ORANGE-KNIVES, OIL-CLOTH KNIVES, OYSTER-KNIVES, PARING-KNIVES, PAINTERS' KNIVES, PAPER-KNIVES, PILL-KNIVES, PIE-KNIVES, PUTTY-KNIVES, RUBBER-KNIVES, SAILMAKERS' KNIVES, SPRUCE-KNIVES, SKINNING-KNIVES, STICKING-KNIVES, STEAK-KNIVES, SLICING-KNIVES, SABATIER-KNIVES, SHOE-KNIVES, SPATULAS, TABLE-KNIVES, TOBACCO-KNIVES, THREAD-KNIVES, VIENNA KNIVES—CARVING-FORKS, POT-FORKS, ROAST-FORKS, TABLE-FORKS, BUTCHER-STEELS, TABLE-STEELS, AND CARVER-STEELS.

Claims use since 1923.

Ser. No. 544,840. ATLAS SUPPLY COMPANY, Newark, N. J. Filed Dec. 19, 1947.

Royal

FOR OUTBOARD MOTORS.

Claims use since June 24, 1947.

Ser. No. 544,879. MATHIAS KLEIN & SONS, Chicago, Ill. Filed Dec. 10, 1947. Under section 2f of the act of 1946.

CHICAGO

FOR GRIPS FOR MESSENGER, GUY STRAND, AND CONDUCTOR CABLES.

Claims use since Jan. 2, 1907.

Ser. No. 545,006. ROGER LEHMAN, doing business as Lehman Manufacturing Company, Newark, N. J. Filed Dec. 20, 1947.

ECON POWER

The word "Power" and representation of the gear are disclaimed.

FOR INTERNAL COMBUSTION ENGINES.

Claims use since Apr. 1, 1947.

Ser. No. 545,960. C. CRETORS & Co., Chicago, Ill. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

CRETORS

Applicant claims ownership of Registration No. 247,799.

FOR POP CORN MACHINES.

Claims use since June 1, 1885.

Ser. No. 546,079. THE CINCINNATI TOOL COMPANY, Norwood, Ohio. Filed Dec. 17, 1947. Under section 2f of the act of 1946.

PERFECTION

Applicant claims ownership of Registration No. 279,795.

FOR CARPENTER'S CLAMPS.

Claims use since Apr. 1, 1919.

Ser. No. 546,822. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo. Filed Jan. 9, 1948. Under section 2f of the act of 1946.

KLICKER

FOR HAND TOOLS OF ALL KINDS—NAMELY, BUTCHER STEELS; SAWS (HAND, BACK, COMPASS, CROSSCUT, DEHORNING, KITCHEN, MITRE, COPING, AND BUCK); SAW BLADES; SAW TOOLS; WOOD CHISELS; COLD CHISELS; PLANES; SCREW DRIVERS; PLIERS; WRENCHES; BIT BRACES; FILES; RASPS; TINNERS' SNIPS; TROWELS (BRICK, POINTING, AND PLASTERING); AXES; HAMMERS; HATCHETS; PICKS; MATTOCKS; SHOVELS; SPADES; SIDEWALK SCRAPERS; FORKS; HOES; RAKES; HANDLES FOR AGRICULTURAL TOOLS, SAWS, SHOVELS, SPADES, AND SCOOPS; CULTIVATORS; GRASS AND WEED CUTTERS; BOX HOOKS; COTTON HOOKS; HAY HOOKS; GRASS HOOKS; CORN KNIVES; DRAWING KNIVES; SCYTHES; HEDGE SHEARS; AND LAWN MOWERS.

Claims use since 1938.

Ser. No. 548,585. HART-CARTER COMPANY, Minneapolis, Minn. Filed Feb. 2, 1948. Under section 2f of the act of 1946.

CARTER

FOR GRAIN SEPARATING AND CLEANING MACHINES.

Claims use since 1920.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 546,033. BORG-WARNER CORPORATION, Chicago, Ill. Filed Jan. 31, 1948. Under section 2f of the act of 1946.

Norge

Applicant claims ownership of Registration No. 331,103.

FOR WASHING MACHINES AND PARTS THEREOF.

Claims use since Mar. 31, 1934.

Ser. No. 551,527. CHICAGO ELECTRIC MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 9, 1948.

Handyhot

FOR PORTABLE ELECTRIC LAUNDRY WASHERS.

Claims use since Feb. 2, 1948.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 552,068. MEYLAN STOPWATCH COMPANY, New York, N. Y. Filed Mar. 16, 1948. Under section 2f of the act of 1946.

A.R.& J.E.MEYLAN

Applicant claims ownership of Registration No. 357,227.

FOR WATCHES.

Claims use since Mar. 30, 1937.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 550,560. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio. Filed Feb. 25, 1948.

HAND CRAFT

Applicant claims ownership of Registration No. 365,227.

FOR BRUSHES FOR USE BY PAINTERS, PAPERHANGERS, ARTISTS, SIGN WRITERS, AND SIGN PAINTERS.

Claims use since Sept. 24, 1938.

Ser. No. 554,901. LINMOP MANUFACTURING COMPANY, Dayton, Ohio. Filed Apr. 10, 1948.

LINMOP

FOR SPONGE TYPE FLOOR MOPS.

Claims use since May 16, 1947.

Ser. No. 558,146. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed May 29, 1948. Under section 2f of the act of 1946.

DOROTHY GRAY

The trade-mark is not intended to identify any particular individual, no person by that name being at present in any way connected with applicant's business or being the source of applicant's goods. Applicant claims ownership of Registration No. 283,935.

FOR POWDER PUFFS AND EYELASH BRUSHES.

Claims use since Oct. 11, 1921, for powder puffs; and since July 30, 1924, for eyelash brushes.

Ser. No. 561,198. BEN KRIEGER & COMPANY, INC., Greensboro, N. C. Filed July 12, 1948.



The drawing is lined to indicate the color blue.

FOR CLOTHS FOR POLISHING, WAXING, AND CLEANING ALL KINDS OF SURFACES SUCH AS AUTOMOBILE FINISHES, FURNITURE, METALWARE, MACHINERY, MACHINERY PARTS, AND GLASS.

Claims use since June 11, 1948.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 528,725. INTERSTATE SHADE CLOTH COMPANY, Hoboken, N. J. Filed July 16, 1947. Under section 2f of the act of 1946.

EVEN ROLL

FOR WINDOW SHADE ROLLER.

Claims use since Jan. 19, 1927.

Ser. No. 534,828. SLEEPMASTER PRODUCTS COMPANY, INC., Newark, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Filed Sept. 17, 1947.

FOAMTEX

FOR MATTRESSES.

Claims use since Apr. 17, 1940.

Ser. No. 535,172. THE MENGEL COMPANY, Louisville, Ky. Filed Sept. 20, 1947.

MENGEL MODULE

The word "Mengel" is disclaimed apart from the mark.

Applicant claims ownership of Registration No. 432,916.

FOR BREAKFRONTS, CHESTS OF DRAWERS, COMMODES, BOOKCASES, BEDS, BENCHES IN THE NATURE OF LONG SETS FOR USE WITHIN BUILDINGS; OCCASIONAL TABLES, DINING TABLES, END TABLES, CHAIRS IN THE NATURE OF FURNITURE, VANITIES, SECRETARIES, EMPTY RADIO CABINETS, BUFFETS, DESKS, CHINA CABINETS, DRESSERS, AND NIGHT STANDS.

Claims use since Aug. 27, 1946.

Ser. No. 539,313. ALLAN GOULD, Brooklyn, N. Y. Filed Oct. 28, 1947.

FABRICON

FOR FURNITURE, MORE SPECIFICALLY CHESTS OF DRAWERS, DRESSERS, AND BOOKCASES.

Claims use since Sept. 3, 1947.

Ser. No. 541,294. S. & G. GUMP COMPANY, San Francisco, Calif. Filed Nov. 15, 1947. Under section 2f of the act of 1946.

GUMP'S

FOR FURNITURE—NAMELY, WOOD AND METAL TABLES, DAVENPORTS, SETTEES, UPHOLSTERED CHAIRS, DINING ROOM CHAIRS, BEDS, CHAISE LOUNGES, DRESSING TABLES, STOOLS, SIDEBOARDS, BOOK CASES, BOOK SHELVES, WALL CABINETS AND OTTOMANS.

Claims use since Jan. 26, 1936.

Ser. No. 551,742. SIMMONS COMPANY, New York, N. Y. Filed Mar. 11, 1948.

Traveler

FOR MATTRESSES AND BOX SPRINGS.

Claims use since Feb. 17, 1948.

Ser. No. 552,059. DAVID E. KENNEDY, INC., Brooklyn, N. Y. Filed Mar. 16, 1948.

KEN STYLER

FOR MERCHANDISING DISPLAY AND STORAGE CABINET.

Claims use since Feb. 17, 1948.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 484,657. AMERICAN BLOWER CORPORATION, Detroit, Mich. Original filed June 18, 1945, under the act of 1905; amended to application under act of 1946, Aug. 6, 1947. Under section 2f of the act of 1946.

AMERICAN BLOWER

The word "Blower" and the representation of the goods are disclaimed apart from the mark.

FOR AIR CONDITIONING APPARATUS—NAMELY, APPARATUS FOR VARYING THE TEMPERATURE OR THE HUMIDITY OF AIR.

Claims use since Aug. 8, 1940.

Ser. No. 530,912. BARBER-COLMAN COMPANY, Rockford, Ill. Filed Aug. 9, 1947. Under section 2f of the act of 1946.

Venturi-flo

FOR CEILING OUTLETS FOR AIR DISTRIBUTION DUCTS OR CHAMBERS..

Claims use since Aug. 18, 1938.

Ser. No. 531,547. THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

TIMKEN

Applicant claims ownership of Registration No. 227,123.

FOR FURNACES, BOILERS, WATER HEATERS, AND BURNERS AND COMPONENT PARTS THEREOF, AND AIR CONDITIONING APPARATUS—NAMELY, ROOM TYPE UNITS FOR COOLING, HUMIDIFYING, FILTERING, AND CIRCULATING AIR, FOR USE IN HOMES, HOSPITALS, HOTELS, AND OFFICES; AND AIR CONDITIONING FLUID FUEL BURNING FURNACES FOR HEATING, HUMIDIFYING, FILTERING, AND CIRCULATING AIR IN BUILDINGS, AND COMPONENT PARTS THEREOF.

Claims use since Mar. 15, 1926.

Ser. No. 538,480. WILPUTTE COKE OVEN CORPORATION, New York, N. Y., now by merger Allied Chemical & Dye Corporation, a corporation of New York. Filed Oct. 20, 1947. Under section 2f of the act of 1946.

WILPUTTE

FOR GAS MANUFACTURING EQUIPMENT—NAMELY, COKE OVEN GAUGE PANELS AND COKE OVEN DOORS.

Claims use since 1917 on coke oven gauge panels; and since 1927 on coke oven doors.

Ser. No. 541,210. THE SMITHWELD COMPANY, Houston, Tex. Filed Nov. 14, 1947. Under section 2f of the act of 1946.

SMITHWELD

FOR OXY-ACETYLENE WELDING TORCHES, CUTTING TORCHES, LEAD BURNING TORCHES, OXYGEN AND ACETYLENE REGULATORS, AND ACETYLENE GENERATORS.

Claims use since Jan. 1, 1924.

Ser. No. 541,508. R. S. BROWN MANUFACTURING COMPANY, INC., Philadelphia, Pa. Filed Nov. 18, 1947.

ARBEE

FOR REVOLVING VENTILATORS AND PARTS THEREOF, VENTILATING HOODS AND PARTS THEREOF, AND CHIMNEY HOODS AND PARTS THEREOF.

Claims use since July 29, 1946.

Ser. No. 548,840. THE PYLE-NATIONAL COMPANY, Chicago, Ill. Filed Feb. 5, 1948. Under section 2f of the act of 1946.

MULTI-VENT

Applicant claims ownership of Registration No. 359,622.

FOR AIR DISTRIBUTING APPARATUS USED IN DRAFTLESS VENTILATING SYSTEMS FOR DISTRIBUTING AIR INTO ROOMS OR OTHER ENCLOSURES, WHICH INCLUDE A PERFORATED PANEL THROUGH WHICH AIR IS INTRODUCED INTO THE ENCLOSURES.

Claims use since Mar. 18, 1937.

Ser. No. 549,381. THE FOUNDRY EQUIPMENT COMPANY, Cleveland, Ohio. Filed Nov. 20, 1947. Under section 2f of the act of 1946.

COLEMAN

Applicant claims ownership of Registration No. 162,638.

FOR INDUSTRIAL OVENS AND PARTS THEREOF.

Claims use since July 1916.

Ser. No. 556,590. MEYNELL MANUFACTURING COMPANY, Erie, Pa. Filed May 8, 1948.

Meynell

FOR HOTPLATES AND COOK STOVES.
Claims use since July 1, 1937.

Ser. No. 556,771. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio. Filed May 11, 1948. Under section 2f of the act of 1946.

Carey

Applicant claims ownership of Registrations Nos. 105,340 and 134,525.
FOR BATH ROOM WALL HEATERS, DUCTS FOR HEATING AND VENTILATING APPARATUS, AND METAL ATTACHMENTS FOR SETTING UP SAID HEATING AND VENTILATING DUCTS.
Claims use since July 1, 1938.

Ser. No. 556,778. THE PHILIP CAREY MANUFACTURING COMPANY, Cincinnati, Ohio. Filed May 11, 1948. Under section 2f of the act of 1946.

MIAMI-CAREY

Applicant claims ownership of Registrations Nos. 105,340 and 134,525.
FOR BATH ROOM HEATERS.
Claims use since July 1, 1941.

Ser. No. 557,440. DORAY LAMP CO., INC., Chicago, Ill. Filed May 20, 1948.

DO-RAY

Applicant claims ownership of Registration No. 241,443.
FOR OIL BURNING FLARES.
Claims use since 1926.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 543,365. TON-TEX CORPORATION, Grand Rapids, Mich. Filed Oct. 7, 1947. Under section 2f of the act of 1946.

LAPLESS ENDLESS

Applicant claims ownership of Registration No. 365,756.
FOR TRANSMISSION AND CONVEYOR BELTING.
Claims use since April 1934.

Ser. No. 552,904. VICTOR MANUFACTURING & GASKET CO., Chicago, Ill. Filed Mar. 24, 1948.

VICTORITE

Applicant claims ownership of Registrations Nos. 238,487 and 272,552.
FOR GASKETS, GASKET MATERIAL, AND TREATED PAPER SHEET PACKING MATERIAL.
Claims use since Jan. 1, 1925.

Ser. No. 563,035. VICTOR BALATA & TEXTILE BELTING CO., New York, N. Y. Filed Aug. 7, 1948. Under section 2f of the act of 1946.

WORKWELL

Applicant claims ownership of Registration No. 296,184.
FOR SOLID WOVEN BELTING.
Claims use since Oct. 6, 1930.

Ser. No. 563,255. INDUSTRIAL SYNTHETICS CORPORATION, Garwood, N. J. Filed Aug. 12, 1948.

SUPPLEX

FOR GARDEN HOSE MADE OF PLASTIC, SYNTHETIC ELASTOMERS, OR NATURAL RUBBER, OR COMBINATIONS THEREOF.
Claims use since Apr. 1, 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 491,189. WINTER & COMPANY, INC., New York, N. Y., by merger with Winter and Company. Original filed Nov. 6, 1945, under the act of 1905; amended to application under act of 1946, Oct. 18, 1947.

Resaluma

FOR PIANO PLATES TO WHICH THE PIANO STRINGS ARE ATTACHED.
Claims use since Oct. 1, 1945.

Ser. No. 531,476. HUMES & BERG MFG. CO., INC., Chicago, Ill. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

STONE LINED

FOR ACCESSORIES FOR MUSICAL WIND INSTRUMENTS—NAMELY, MUTES.
Claims use since Sept. 25, 1937.

Ser. No. 546,720. MODERN MELODIES, INC., Chicago, Ill. Filed Jan. 10, 1948.

CONSTELLATION

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Nov. 1, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 508,866. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass. Original filed Sept. 11, 1946, under act of 1905; amended to application under act of 1946, Nov. 12, 1947.

BUTTE

FOR KRAFT WRAPPING PAPER.
Claims use since July 27, 1946.

Ser. No. 516,062. EASTERN CORPORATION, Bangor, Maine. Original filed Jan. 21, 1947, under the act of 1905; amended to application under act of 1946, Nov. 3, 1948.

EASTERN E

Applicant claims ownership of registrations Nos. 127,227 and 110,642.
FOR WRITING, PRINTING, WRAPPING, BOND, LEDGER, "MIMEOGRAPH," MANIFOLD PAPERS, AND CARDBOARD.
Claims use since Jan. 10, 1947.

Ser. No. 527,574. VALLEY PAPER COMPANY, Holyoke, Mass. Filed July 5, 1947.

VALLEY

FOR WRITING, TYPEWRITER AND PRINTING PAPER.
Claims use since 1893.

Ser. No. 540,554. NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis. Filed Nov. 8, 1947. Under section 2f of the act of 1946.

NEKOOSA PAPERS

No registration rights are claimed for the word "Papers" apart from the mark shown in the drawing.
FOR BOND, LEDGER, MIMEO, AND DUPLICATING PAPER.
Claims use since September 1937.

Ser. No. 543,050. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Dec. 3, 1947. Under section 2f of the act of 1946.

ELSON

Applicant claims ownership of registration No. 193,876.
FOR CRAYONS.
Claims use since Dec. 31, 1912.

Ser. No. 548,709. H. P. ANDREWS PAPER COMPANY, New York, N. Y. Filed Feb. 4, 1948.

CENT A POST

Applicant claims ownership of registration No. 193,943.
FOR MAILING ENVELOPES.
Claims use since 1914.

Ser. No. 549,648. NATIONAL BLANK BOOK COMPANY, Holyoke, Mass. Filed Feb. 13, 1948.

NUMER RING

No registration rights are claimed for the word "Ring" apart from the mark as a whole.
FOR LOOSE LEAF BINDERS.
Claims use since November 1945.

Ser. No. 552,182. OSBORN PAPER COMPANY, INC., Marion, Ind. Filed Mar. 17, 1948. Under section 2f of the act of 1946.

PIERMONT FABRIC

The word "Fabric" is disclaimed apart from the mark. Applicant claims ownership of registration No. 140,540.
FOR WRITING TABLETS, PAPETERIES, COMPOSITION BOOKS, STUDENT NOTEBOOKS, SPELLING TABLETS, AND LOOSE LEAF PAPERS.
Claims use since Dec. 13, 1919.

Ser. No. 553,110. HOBERG PAPER MILLS, INC., Green Bay, Wis. Filed Mar. 26, 1948.

THRIFTY SERVICE

The word "Service" is disclaimed apart from the mark.
FOR PAPER TOWELS.
Claims use since November 1932.

Ser. No. 556,900. LEE PAPER COMPANY, Vicksburg, Mich. Filed May 12, 1948. Under section 2f of the act of 1946.

OLD STAMFORD

Applicant claims ownership of registration No. 362,859.
FOR BOND PAPER.
Claims use since Aug. 8, 1905.

Ser. No. 557,336. ASHLAND PAPER MILLS, INC., Ashland, N. H. Filed May 19, 1948. Under section 2f of the act of 1946.

ASHLAND

Applicant claims ownership of registration No. 401,293.
FOR TOILET TISSUE, PAPER NAPKINS, PAPER TOWELS, AND FACIAL TISSUE.
Claims use since 1937.

Ser. No. 562,175. B-B PEN COMPANY, INC., Los Angeles, Calif. Filed July 26, 1948.

"Executive"

FOR BALL POINT PENS.
Claims use since September 1947.

Ser. No. 567,576. GEBGOBY FOUNT-O-INK COMPANY, Los Angeles, Calif. Filed Oct. 25, 1948.

"EXECUTIVE"

FOR WRITING SETS OF THE INK FOUNTAIN BAROMETRIC PRESSURE FLOW TYPE INCLUDING CAPILLARY INK FEED DIP PENS FOR DESK USE.
Claims use since Sept. 7, 1938.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 542,830. HONOLULU STAR-BULLETIN, LTD., Honolulu, Territory of Hawaii. Filed Dec. 1, 1947. Under section 2f of the act of 1946.

Hawaii FARM AND *Home*

Applicant claims ownership of Registration No. 362,755.
FOR PERIODICAL.
Claims use since Dec. 30, 1937.

Ser. No. 551,844. AMERICAN BITUMULS COMPANY, Wilmington, Del., and San Francisco, Calif. Filed Mar. 13, 1948.

HYDROPEL

FOR PERIODICAL PUBLICATIONS PUBLISHED AND DISTRIBUTED FROM TIME TO TIME.
Claims use since Jan. 30, 1948.

Ser. No. 553,337. THE BROOKLYN EAGLE, INC., Brooklyn, N. Y. Filed Mar. 30, 1948. Under section 2f of the act of 1946.

Helen Worth

The name "Helen Worth" does not identify any particular living individual. Applicant claims ownership of Registration No. 241,436.
FOR COLUMN IN A NEWSPAPER.
Claims use since 1922.

Ser. No. 554,536. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed Apr. 13, 1948.



The mark comprises a fanciful portrait of "Nancy," a fictitious character.
FOR COMIC DRAWINGS, PUBLISHED IN DAILY AND SUNDAY NEWSPAPERS.
Claims use since Sept. 21, 1941.

Ser. No. 556,828. SPORTS AFIELD PUBLISHING COMPANY, Minneapolis, Minn., Chicago, Ill., and New York, N. Y. Filed May 11, 1948.

HUNTING ANNUAL

Applicant claims ownership of Registration No. 380,053.
FOR ANNUAL PUBLICATION.
Claims use since September 1934.

Ser. No. 556,829. SPORTS AFIELD PUBLISHING COMPANY, Minneapolis, Minn., Chicago, Ill., and New York, N. Y. Filed May 11, 1948. Under section 2f of the act of 1946.

SPORTS AFIELD

Applicant claims ownership of Registrations Nos. 331,707 and 424,420.
FOR PERIODICAL.
Claims use since September 1930.

CLASS 39

CLOTHING

Ser. No. 535,720. LABOS TEXTILES COMPANY, Bethlehem, Pa. Filed Sept. 25, 1947. Under section 2f of the act of 1946.

NO-RIDE

Applicant claims ownership of Registration No. 394,526.
FOR LADIES' UNDERGARMENTS—NAMELY, WOVEN UNDERWEAR AND SLIPS.
Claims use since Sept. 30, 1940.

Ser. No. 537,293. COHN-GOLDWATER MANUFACTURING CO., Los Angeles, Calif. Filed Oct. 9, 1947.

Shoulder Pad Magic!

The words "Shoulder Pad" are disclaimed apart from the mark as shown.
FOR MEN'S AND WOMEN'S SPORT, DRESS, AND WORK SHIRTS.
Claims use since June 3, 1947.

Ser. No. 539,726. MASTERCRAFT FOUNDATIONS, New York, N. Y. Filed Oct. 31, 1947. Under section 2f of the act of 1946.

Mastercraft

FOR CORSETS, GIRDLES, AND FOUNDATION GARMENTS.
Claims use since Sept. 15, 1932.

Ser. No. 540,762. ATLAS OVERALL COMPANY, Philadelphia, Pa. Filed Nov. 12, 1947.



The representation of overalls shown in the drawing is disclaimed. The descriptive slogan: "A World of Wear in Every Pair." The descriptive words "Union Made" and the generic term "Overalls" are disclaimed. The man in the incident drawing is fanciful. It is not the picture of any living person. The representation of overalls shown in the drawing is disclaimed.
FOR OVERALLS.
Claims use since 1922.

Ser. No. 543,990. WILLIAM RIPKIN & SONS, Philadelphia, Pa. Filed Dec. 10, 1947.

Velrose

FOR MEN'S, LADIES' AND CHILDREN'S NIGHTGOWNS, PAJAMAS, AND UNDERWEAR, MADE OF RAYON, COTTON AND SILK.
Claims use since June 1922.

Ser. No. 544,361. MARTIN'S, Brooklyn, N. Y. Filed Dec. 15, 1947.

marcraft

Applicant claims ownership of Registration No. 249,457.
FOR MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, OVERCOATS, TOPCOATS, TROUSERS, AND VESTS, AND MEN'S AND BOYS' FURNISHINGS—NAMELY, DRESS, NEGLIGEE, AND WORK SHIRTS, COLLARS, TIES, UNDERWEAR OF KNITTED AND TEXTILE FABRICS, PAJAMAS, BATH ROBES, AND SOCKS.
Claims use since Oct. 1, 1927.

Ser. No. 544,362. MARTIN'S, Brooklyn, N. Y. Filed Dec. 15, 1947.

MAR HAVEN

Applicant claims ownership of Registration No. 252,310.
FOR MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, OVERCOATS, TOPCOATS, TROUSERS, AND VESTS, AND MEN'S AND BOYS' FURNISHINGS—NAMELY, DRESS, NEGLIGEE, AND WORK SHIRTS, COLLARS, TIES, UNDERWEAR OF KNITTED AND TEXTILE FABRICS, PAJAMAS, BATH ROBES, AND SOCKS.
Claims use since January 1928.

Ser. No. 544,382. PERDUE MANUFACTURING COMPANY, INC., Athens, Ga. Filed Dec. 15, 1947.



The name and pictorial representation shown on the drawing are fanciful.
FOR MEN'S AND BOYS' WORK AND SPORT CLOTHING—NAMELY, WORK SHIRTS, SPORT SHIRTS, WORK TROUSERS, OVERALLS, DUNGAREES, JEAN TROUSERS, SPORT TROUSERS, SLACKS, COVERALLS, COATS, BLANKET LINED COATS, SPORT COATS, JACKETS, PLAYSUITS.
Claims use since Nov. 27, 1947.

Ser. No. 544,838. ART-MOR TOGS INC., New York, N. Y. Filed Dec. 19, 1947.



Applicant claims ownership of Registration No. 411,846.
FOR LADIES' AND MISSES' PLAYSUITS, OVERALLS, SKI SUITS, SLACKS, BLOUSES, JACKETS, CULOTTES, BEACH ROBES, SUN SUITS, SHORTS.
Claims use since Nov. 1, 1947.

Ser. No. 545,042. SEA ISLAND MANUFACTURING COMPANY, INC., New York, N. Y., assignor to Tempest Shirt Mfg. Co., Inc., Jesup, Ga., a corporation of Georgia. Filed Dec. 20, 1947.



The word "Checks" is disclaimed.
FOR BOYS' OUTER SHIRTS.
Claims use since January 1947.

Ser. No. 545,832. THE ENRO SHIRT COMPANY, Louisville, Ky. Filed Dec. 31, 1947. Under section 2f of the act of 1946.

Duo Tones

Applicant claims ownership of Registration No. 373,465.
FOR MEN'S NEGLIGEE AND DRESS SHIRTS, PAJAMAS, AND SPORT SHIRTS.
Claims use since June 1, 1932.

Ser. No. 547,935. NORWICH KNITTING COMPANY, Norwich, N. Y. Filed Jan. 2[illegible], 1948. Under section 2f of the act of 1946.

MILO-NESE

Applicant claims ownership of Registration No. 300,111.
FOR KNITTED UNDERWEAR FOR MEN, WOMEN, AND CHILDREN.
Claims use since Sept. 10, 1931.

Ser. No. 549,991. UNITED MILLS CORPORATION, Mount Gilead, N. C. Filed Feb. 17, 1948. Under section 2f of the act of 1946.

No-Hike

Applicant claims ownership of Registration No. 401,678.
FOR LADIES' SLIPS, BED JACKETS, AND NIGHT GOWNS.
Claims use since Mar. 20, 1940.

Ser. No. 550,816. MICHELSONS LIMITED, London, E. C. 2, England. Filed Feb. 28, 1948.

EMENDY

Applicant claims ownership of Great Britain and Northern Ireland Registration No. B. 603,464, dated Dec. 30, 1938.
FOR TIES (FOR WEAR), DRESSING GOWNS, AND SCARVES.

Ser. No. 553,331. WOLVERINE SHOE & TANNING CORPORATION, Rockford, Mich. Filed Mar. 29, 1948.



Applicant disclaims the terms "Full-Grain Horse-Hide" and "Horsehide Work Gloves" and the representation of a glove apart from the mark as shown. Applicant claims ownership of Registrations Nos. 268,422 and 148,043.
FOR MEN'S WORK GLOVES CONSTRUCTED OF HORSEHIDE LEATHER.
Claims use since Sept. 1, 1932.

Ser. No. 553,862. INDIAN RIVER TEXTILE CO., INC., Ozark, Ala. Filed Apr. 5, 1948.

Mortots

FOR CHILDREN'S WEARING APPAREL—NAMELY, ROMPERS, OVERALLS, COVERALLS, CREEPERS, SHORTS, DRESSES, JACKETS, SUITS, AND TROUSERS.
Claims use since Mar. 10, 1948.

Ser. No. 555,050. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill. Filed Apr. 20, 1948.

BOSS
ELASTO

Applicant claims ownership of Registrations Nos. 42,199, 87,151, 189,372, 194,413, and 210,819.
FOR FABRIC GLOVES AND MITTENS.
Claims use since Dec. 3, 1919.

Ser. No. 555,051. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill. Filed Apr. 20, 1948.

BOSS
NORIP

No claim is made to the word "Norip" apart from the mark as shown. Applicant claims ownership of Registrations Nos. 42,199, 87,151, 189,372, 194,413, and 210,819.
FOR GLOVES AND MITTENS OF LEATHER, FABRIC, AND COMBINATION OF LEATHER AND FABRIC.
Claims use since Nov. 4, 1924.

Ser. No. 555,314. WALTER S. SOSIN, New York, N. Y. Filed Apr. 22, 1948.

SHABU

FOR LADIES' SLIPS, LOUNGING ROBES, AND PAJAMAS.
Claims use since Feb. 24, 1948.

Ser. No. 555,708. CHAS. K. THAU, doing business as Laura Hair Novelty Co., New York, N. Y. Filed Apr. 27, 1948.

Rosanette

Applicant claims ownership of Registrations Nos. 255,699 and 272,509.
FOR HAIR NETS.
Claims use since Mar. 19, 1925.

Ser. No. 556,604. UNIVERSAL LABORATORIES, INC., East Orange, N. J. Filed June 5, 1948.

Beauty in the Morning

FOR WOMEN'S NEGLIGEES, PAJAMAS, NIGHTGOWNS, BATHROBES, BRUNCH COATS, HOUSE COATS, DRESSING GOWNS, BED JACKETS, BEDROOM SLIPPERS, AND MULES.
Claims use since Apr. 30, 1948.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 504,564. GEORG JENSEN INC., New York, N. Y. Original filed June 25, 1946, under the act of 1905; amended to application under act of 1946, Jan. 7, 1948. Under section 2f of the act of 1946.

GEORG JENSEN Inc.

The trade-mark consists of the combination of the representation of a fanciful crown surmounting the letters or initials GJ, in duplicate, so arranged that both letters G are outermost in the lower part of the combination, one pair of said initials GJ reading in reverse order, the above combination appearing above the following: "Georg Jensen Inc.," as shown in the drawing; the abbreviation "Inc." is disclaimed apart from the trade-mark.
FOR SHEETS, PILLOWCASES, CRIB COVERS, BABY BLANKETS, TABLECLOTHS, AND NAPKINS.
Claims use since Jan. 20, 1940.

Ser. No. 552,417. BERNHARD ULMANN CO. INC., Long Island City, N. Y. Filed Mar. 19, 1948.

WONDER-WEAVE

The word "Weave" is disclaimed. Applicant claims ownership of Registrations Nos. 317,721, 317,722, 826,171, and 430,417.
FOR DECORATIVE TABLE LINEN—NAMELY, TABLECLOTHS, NAPKINS, DOILIES, PLACE MATS, AND FURNITURE SCARVES.
Claims use since Sept. 27, 1940.

Ser. No. 558,967. S. STROOCK & CO. INC., New York, N. Y. Filed June 10, 1948.

TANGARA

FOR WOVEN CLOTH COMPOSED OF WOOL AND MOHAIR FIBERS, OR A MIXTURE THEREOF, BY THE PIECE.
Claims use since Sept. 1, 1937.

Ser. No. 562,138. JOSEPH GLUCK FABRICS, INC., New York, N. Y. Filed July 24, 1948.

SWANLYKE PRINTS

FOR RAYON PIECE GOODS.
Claims use since January 1943.

Ser. No. 563,026. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Aug. 7, 1948.

STARKIST

FOR FABRICS OF SILK, WOOL, COTTON, MAN-MADE FIBERS, AND COMBINATIONS THEREOF.
Claims use since Apr. 15, 1935.

Ser. No. 566,586. COHN-HALL-MARX CO., New York, N. Y. Filed Nov. 12, 1948.

TAFFY

FOR PIECE GOODS OF COTTON, SILK, RAYON OR CELLULOSE ACETATE, OR MIXTURES THEREOF.
Claims use since Sept. 10, 1948.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 496,664. RILLING COMPANY, Minneapolis, Minn., assignor to Rilling Company, Bridgeport, Conn., a corporation of Connecticut. Original filed Feb. 15, 1946, under the act of 1905; amended to application under act of 1946, Dec. 13, 1947.

Rilling

FOR PERMANENT HAIR WAVING MACHINES, EQUIPMENT AND DEVICES FOR EXOTHERMIC AND MACHINELESS WAVING OPERATIONS — NAMELY, TRAYS, CUPS, JACKETS, PADS, PINS, ROLLERS, AND HAIR DRYERS.
Claims use since March 1938.

Ser. No. 524,096. ACIFORM CORPORATION, Chicago, Ill. Original filed June 13, 1947, under the act of 1905; amended to application under act of 1946, July 5, 1947.

GYRO-lator

FOR CHAIRS, TABLES, PLATFORMS, OR STOOLS WHICH VIBRATE, IN WHOLE OR IN PART, FOR THERAPEUTIC OR MASSAGE PURPOSES.
Claims use since March 1943.

Ser. No. 527,212. ARTHUR E. SMITH, Los Angeles, Calif. Filed July 5, 1947.

Den Pro

Applicant claims ownership of Registration No. 328,935.
FOR SYRINGES, EMPTY AMPULES, HYPODERMIC NEEDLES, ANAESTHESIA INSTRUMENTS AND ADAPTERS FOR SYRINGES.
Claims use since Mar. 25, 1935.

Ser. No. 528,113. HELENE CURTIS INDUSTRIES, INC., Chicago, Ill. Filed July 8, 1947. Under section 2f of the act of 1946.

HeleneCurtis

The mark is fanciful and is not the name of a living individual. Applicant claims ownership of Registrations Nos. 325,209 and 328,786.
FOR PERMANENT HAIR WAVING APPLIANCES AND ATTACHMENTS THEREFOR—NAMELY, MACHINES; MACHINE PEDESTALS; MACHINE ACCESSORIES; THERMOSTATIC CONTROLS; CURLERS; CLIPS; PADS; PAD FASTENERS; TEST CURL PADS; HAIR END PROTECTORS; CURLING RODS; SMOOTHING PINS; SPACERS; SPACER REPLACEMENT RUBBERS; HEAT INSULATION SHIELDS; COLD WAVE PROCESSING CAPS; HAIR DRIERS; HAIR STEAMING MACHINES; HEATER CLAMPS; AND RUBBER AND FELT EAR AND NECK PROTECTION SHREDS OR SHIELDS.
Claims use since June 11, 1935.

Ser. No. 535,824. D & Z DENTAL INSTRUMENT COMPANY, INC., New York, N. Y. Filed Sept. 26, 1947.

D & Z

FOR DIAMOND POINTS AND DISKS IN DENTAL WORK FOR POLISHING, GRINDING, CUTTING.
Claims use since May 12, 1943.

Ser. No. 538,278. THE WILLIAM GETZ CORPORATION, Chicago, Ill. Filed Oct. 18, 1947.

VELVECAST

FOR METAL FOR MAKING DENTAL INLAYS AND CASTINGS, AND ALSO INVESTMENTS, LIQUIDS, PAINTING INVESTMENTS, AND DUPLICATING JELLS ALL USED IN THE PROCESS OF MAKING DENTAL CASTINGS.
Claims use since Aug. 25, 1947.

Ser. No. 546,854. ROSEMARIE LEWIS, doing business as Vogarell Products Company, Los Angeles, Calif. Filed Jan. 13, 1948.

CERTANE

Applicant claims ownership of Registration No. 351,162.
FOR MEDICAMENT ADMINISTERING APPLIANCES USED IN INTERNAL HYGIENE.
Claims use since Apr. 15, 1930.

Ser. No. 548,876. STANDARD LABORATORIES, INC., New York, N. Y., assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Filed Feb. 5, 1948.

Hedy Wave

No claim is made to the exclusive use of the word "Wave" apart from the mark as shown in the drawing.
FOR KIT FOR USE IN HOME PERMANENT WAVE CONTAINING PERMANENT WAVE LOTION, NEUTRALIZER, CURLERS, INSTRUCTION SHEETS, AND OTHER ARTICLES FOR USE IN GIVING THE WAVE.
Claims use since Dec. 30, 1947.

Ser. No. 550,379. THE B & P COMPANY, Lakewood, Ohio. Filed Feb. 24, 1948.

FROWNIES

FOR FACE PLASTERS FOR TREATING WRINKLES.
Claims use since July 1, 1939.

Ser. No. 553,166. DONALD V. CLEMAN, Seattle, Wash. Filed Mar. 27, 1948.

THREE POINT



FOR DENTURES AND DENTURE ATTACHMENTS FOR LOCATING PURPOSES.
Claims use since April 1947.

Ser. No. 555,286. JOHN MINOSA, Long Island City, New York, N. Y. Filed Apr. 22, 1948.



REVITALIZER

No claim is made to the words "Beauty" and "Revitalizer" apart from the mark shown on the drawing.
FOR FACIAL INVIGORATING APPARATUS.
Claims use since Feb. 5, 1948.

Ser. No. 558,336. AMERICAN CYSTOSCOPE MAKERS, INC., New York, N. Y. Filed June 3, 1948. Under section 2f of the act of 1946.

WAPPLER

Applicant claims ownership of Registration No. 328,201.
FOR ENDOSCOPIC INSTRUMENTS AND COMPONENTS THEREOF.
Claims use since 1912.

Ser. No. 558,550. COLOSTOM-EASE, INC., Pittsburgh, Pa. Filed June 5, 1948.

Baby Bilical

The word "Baby" is disclaimed apart from the mark as shown in the drawing.
FOR DEVICE FOR PROTECTING THE UMBILICUS.
Claims use since Apr. 8, 1948.

Ser. No. 559,309. LEO MANN, Boston, Mass. Filed June 16, 1948.

Rainbow

Applicant claims ownership of registration No. 350,425.
FOR ATOMIZER UNITS, COMPRISING A CLOSURE, SPRAYING DEVICE, AND CONDUIT, SOLD TO THE TRADE FOR APPLICATION TO BOTTLES OR CONTAINERS FOR PERFUME OR OTHER LIQUID PREPARATIONS.
Claims use since April 1935.

Ser. No. 559,524. WILLIAM F. MENGER, doing business under the name and style of Menger Manufacturing Co., Brooklyn, N. Y. Filed June 17, 1948.

OFFICIAL-KNIT

The word "Knit" is disclaimed apart from the mark.
FOR BANDAGES—NAMELY, TRACK BANDAGE USED FOR PROTECTION OF HORSES' LEGS.
Claims use since Apr. 15, 1947.

Ser. No. 559,722. MASSAGE-O-MAT COSPORATION, New York, N. Y. Filed June 19, 1948.

MASSAGE - O - MAT

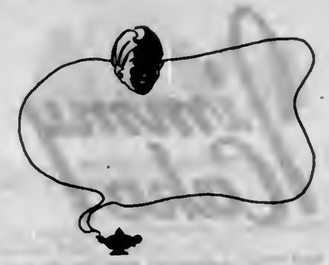
The word "Massage" is disclaimed apart from the mark as shown on the drawing.
FOR AUTOMATIC MASSAGING TABLES.
Claims use since Apr. 1, 1948.

Ser. No. 560,676. AMERICAN CYSTOSCOPE MAKERS, INC., New York, N. Y. Filed July 3, 1948.

ACMI

FOR MINIATURE LAMPS FOR USE WITH EXAMINING AND OPERATING SURGICAL AND DENTAL INSTRUMENTS.
Claims use since 1928.

Ser. No. 561,001. GENII INCORPORATED, St. Paul, Minn. Filed July 9, 1948.



FOR INGREDIENTS AND APPARATUS FOR GIVING "PERMANENT WAVES" COMPRISING HOME PERMANENT WAVE SET OR UNIT—NAMELY, SHAMPOO IN CREAM FORM, COLD WAVING LOTION, LOTION FOR VITALIZING AND ADDING RESILIENCY TO HAIR, NEUTRALIZER SOLUTION, AND PAPERS FOR CURLERS AND PLASTIC CURLERS.
Claims use since July 6, 1948.

Ser. No. 561,576. The No-Tek Co., Toledo, Ohio. Filed July 16, 1948.

ACRIBASE

FOR DENTURE BASE MADE OF ACRYLIC RESIN.
Claims use since May 25, 1948.

Ser. No. 562,030. DAVIS & GECK, INC., Brooklyn, N. Y. Filed July 23, 1948.

TRACTACLIP

FOR SUTURE OR TRACTION DRESSING.
Claims use since June 18, 1948.

Ser. No. 562,143. GEORGE A. KEMPATER, doing business as Dent-Lyke Co., Brockton, Mass. Filed July 24, 1948.

Dent-lyke

FOR INSTRUMENT TO POLISH THE TEETH AND MASSAGE THE GUMS.
Claims use since July 9, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 541,628. AMERICAN BEVERAGE CORPORATION, Brooklyn, N. Y. Filed Nov. 19, 1947. Under section 2f of the act of 1946.

Schultz

Applicant claims ownership of Registration No. 374,646.
FOR CARBONATED BEVERAGE—NAMELY, CLUB SODA.
Claims use since March 1934.

Ser. No. 545,808. AMERICAN BEVERAGE CORPORATION, Brooklyn, N. Y. Filed Dec. 31, 1947. Under section 2f of the act of 1946.

SCHULTZ

Applicant claims ownership of Registration No. 374,646.
FOR CARBONATED BEVERAGES—NAMELY, SPARKLING WATER, LIME RICKEY, GINGER ALE, CHERRY SODA, RASPBERRY SODA, CREME DE COCO SODA, SARSAPARILLA, ORANGE SODA, ROOT BEER, LEMON SODA, CREAM SODA, AND KOLA.
Claims use since October 1933.

Ser. No. 547,354. FREDERIC LEFKOWITZ, doing business as Yeah Man Products Co., Brooklyn, N. Y. Filed Jan. 17, 1948.

Yeah Man

FOR COFFEE SYRUP FOR USE IN MIXING NON-ALCOHOLIC MALTLESS BEVERAGES IN THE NATURE OF SOFT DRINKS.
Claims use since August 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 517,242. EASTERN OREGON CANNING CO., INC., Weston, Oreg. Original filed Feb. 10, 1947, under the act of 1905; amended to application under act of 1946, Sept. 23, 1947.

OREGON SUN

The stippling on the drawing is for shading purposes only. No claim is made to the word "Oregon" apart from the mark as shown.
FOR CANNED VEGETABLES—NAMELY, PEAS.
Claims use since Apr. 22, 1946.

Ser. No. 526,805. ILLINOIS MEAT COMPANY, Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

Redi-Meat

For registration purposes no claim is made to the exclusive use of the word "Meat" alone. Applicant claims ownership of Registration No. 375,244.
FOR CANNED PORK LOAF.
Claims use since July 19, 1939.

Ser. No. 532,711. THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois. Filed Aug. 28, 1947.

Yo! Ho!

Applicant claims ownership of Registration No. 217,559.
FOR CAKE FLOUR.
Claims use since June 1925.

Ser. No. 532,731. THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois. Filed Aug. 28, 1947.

SONGSTER

FOR WHEAT FLOUR.
Claims use since December 1934.

Ser. No. 534,301. THE MASON CANDY COMPANY, Trinidad, Colo. Filed Sept. 12, 1947.

Jimmy Cake

The word "Cake" is disclaimed apart from the mark.
FOR CANDY.
Claims use since June 1, 1945.

Ser. No. 534,395. SUPERIOR BRANDS, INC., New York, N. Y. Filed Sept. 12, 1947. Under section 2f of the act of 1946.

RY-TASTE

Applicant claims ownership of Registration No. 389,127.
FOR RYEDOUGH CONDITIONER IN DEHYDRATED FORM USED TO ENHANCE THE AROMATIC ESTERS, FLAVORS, AND PHYSICAL APPEARANCE OF THE FINISHED BAKED LOAF.
Claims use since Mar. 19, 1935.

Ser. No. 534,781. AROOSTOOK VALLEY POTATO CO., INC., Medford, Mass. Filed Sept. 17, 1947.



The lining and stippling shown in the drawing are not intended to be restrictively indicative of any particular color.
FOR POTATOES.
Claims use since October 1937.

Ser. No. 537,099. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif. Filed Oct. 7, 1947.

SUN-MAID

Applicant claims ownership of Registration No. 121,400.
FOR RAISINS, RAISIN SYRUP, CANNED PIE FRUIT, JAM, JELLY, SALAD OIL CONTAINING RAISIN OIL, MINCEMEAT, RAISIN BREAD, AND DRIED FIGS.
Claims use since Apr. 19, 1915.

Ser. No. 537,375. VAN AMERINGEN-HAEBLER, INC., New York, N. Y. Filed Oct. 9, 1947.

ALVA

FOR FOOD FLAVORING EXTRACTS.
Claims use since 1924.

Ser. No. 537,793. EAST WHITTIER CITRUS ASSOCIATION, Whittier, Calif. Filed Oct. 14, 1947.

PARTY

FOR FRESH CITRUS FRUITS.
Claims use since 1924.

Ser. No. 539,577. VICTOR BERNARD STRAND, Copenhagen, Denmark. Filed Oct. 30, 1947.

ATAMON

Applicant claims ownership of Danish Registrations Nos. 126—1945, dated Feb. 10, 1945, and 390—1935, dated Apr. 13, 1935.
FOR CUSTARD POWDER AND PUDDING POWDER; BREAD, CREAM CRACKERS, AND BISCUITS; BAKING CHOCOLATE AND CANDY.

Ser. No. 540,066. JOS. & BEN. GETTINGER, Mission, Tex. Filed Nov. 4, 1947.

WIDGET

The stippling shown on the drawing is for shading purposes.
FOR FRESH VEGETABLES.
Claims use since Nov. 1, 1930.

Ser. No. 540,315. E. PRITCHARD, INC., Bridgeton, N. J. Filed Nov. 6, 1947.

PRIDE OF THE FARM

Applicant claims ownership of Registrations Nos. 222,352 and 278,617.
FOR ORANGE MARMALADE, APPLE BUTTER, FRUIT PRESERVES, JAMS, AND JELLIES.
Claims use since Sept. 15, 1898.

Ser. No. 540,656. EVANGELINE PEPPER & FOOD PRODUCTS, INC., St. Martinville, La. Filed Nov. 10, 1947.

EVANGELINE

Applicant claims ownership of Registration No. 240,438.
FOR CANNED GOODS—NAMELY, WHOLE OKRA; SLICED CARROTS; WHOLE BEETS; WHOLE GREEN STRINGLESS BEANS; SLICED BEETS; CUT STRINGLESS GREEN BEANS; SWEET POTATOES IN WATER; SWEET POTATOES IN SYRUP; OKRA DINNER; CUT OKRA; AND PICKLED PEPPERS.
Claims use since Dec. 1, 1912.

Ser. No. 541,213. SPERRY CANDY COMPANY, Milwaukee, Wis. Filed Nov. 14, 1947.

CHICKEN PIE

Applicant claims ownership of Registrations Nos. 199,186 and 185,248.
FOR CANDY BARS.
Claims use since Nov. 20, 1923.

Ser. No. 544,565. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y. Filed Dec. 17, 1947.

DAILY

Applicant claims ownership of Registrations Nos. 241,896, 293,144, 293,145, 297,529, 433,749, 434,579, and 434,580.
FOR HORSE FEED CONSISTING OF CRUSHED OATS, CRACKED YELLOW CORN, CANE MOLASSES, WHEAT BRAN, ALFALFA MEAL, OLD PROCESS LINSEED OIL MEAL, AND IODIZED SALT 1%.
Claims use since 1935.

Ser. No. 544,566. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y. Filed Dec. 17, 1947.

DAILY-EGG

Applicant claims ownership of Registrations Nos. 241,896, 293,144, 293,145, 297,529, 433,749, 434,579, and 434,580.

FOR SCRATCH FEED CONSISTING OF CRACKED YELLOW CORN, WHEAT, MILO MAIZE, KAFFIR CORN AND BARLEY, AND LAYING MASH FEED, WHEAT STANDARD MIDDLINGS, CORN FEED MEAL, SOYBEAN OIL MEAL, GROUND BARLEY, CORN GLUTEN MEAL, GROUND OATS, WHEAT BRAN, ALFALFA LEAF MEAL, STEAMED BONE MEAL 4%, MEAT AND BONE SCRAPS, LINSEED OIL MEAL, CORN GLUTEN FEED, DRIED WHEY, RIBOFLAVIN SUPPLEMENT, CALCIUM CARBONATE FROM LIMESTONE ½%, IODIZED SALT ½%, VITAMIN A AND D FEEDING OIL, AND MANGANESE SULPHATE .015%.

Claims use since December 1924.

Ser. No. 544,567. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y. Filed Dec. 17, 1947.

DAILY-GROWTH

Applicant claims ownership of Registrations Nos. 241,896, 293,144, 297,529, 293,145, 433,749, 434,579, and 434,580.

FOR CHICK STARTER CONSISTING OF GROUND YELLOW CORN, WHEAT STANDARD MIDDLINGS, SOYBEAN OIL MEAL, CORN GLUTEN MEAL, GROUND OAT GROATS, GROUND OATS, ALFALFA LEAF MEAL, MEAT AND BONE SCRAPS, CORN GLUTEN FEED, LINSEED OIL MEAL, STEAMED BONE MEAL 2%, DRIED WHEY, CALCIUM CARBONATE FROM LIMESTONE 1%, RIBOFLAVIN SUPPLEMENT, FISH MEAL, IODIZED SALT ½%, VITAMIN A AND D FEEDING OIL, AND MANGANESE SULPHATE .015%.

Claims use since January 1931.

Ser. No. 544,568. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y. Filed Dec. 17, 1947.

DAILY GROWTH

Applicant claims ownership of Registrations Nos. 241,896, 293,144, 293,145, 297,529, 433,749, 434,579, and 434,580.

FOR CHICK FEED CONSISTING OF CRACKED YELLOW CORN AND CRACKED WHEAT, GROWING MASH CONSISTING OF CORN FEED MEAL, WHEAT STANDARD MIDDLINGS, SOYBEAN OIL MEAL, GROUND BARLEY, GROUND OATS, WHEAT BRAN, CORN GLUTEN MEAL, ALFALFA LEAF MEAL, CORN GLUTEN FEED, MEAT AND BONE SCRAPS, LINSEED OIL MEAL, STEAMED BONE MEAL 2%, DRIED WHEY, CALCIUM CARBONATE FROM LIMESTONE 1%, IODIZED SALT ½%, VITAMIN A AND D FEEDING OIL, MANGANESE SULPHATE .015% AND RIBOFLAVIN SUPPLEMENT, AND CALF MEAL CONSISTING OF WHEAT RED DOG, OLD PROCESS LINSEED OIL MEAL, SOYBEAN OIL MEAL, WHEAT FLOUR MIDDLINGS, GROUND MALTED BARLEY, MEAT AND BONE SCRAPS, GROUND YELLOW CORN, DRIED WHEY, CORN GLUTEN MEAL, OAT GROATS, BONE MEAL 1%, IODIZED SALT ½%, VITAMIN A & D OIL, MANGANESE SULPHATE .015%.

Claims use since 1930.

Ser. No. 544,569. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y. Filed Dec. 17, 1947.

DAILY-HOG

Applicant claims ownership of Registrations Nos. 293,144, 293,145, 297,529, 433,749, 434,579, and 434,580.

FOR HOG SUPPLEMENT FEED CONSISTING OF MEAT AND BONE SCRAPS; SOYBEAN OIL MEAL; ALFALFA MEAL; OLD PROCESS LINSEED OIL MEAL; FISH MEAL; CANE MOLASSES; STEAMED BONE MEAL 2½%; CALCIUM CARBONATE FROM LIMESTONE 2½%; SALT ½%; VITAMIN A AND D FEEDING OIL; COPPERAS (IRON SULPHATE) .122%; POTASSIUM IODIDE .003%; AND COPPER SULPHATE .003%.

Claims use since 1934.

Ser. No. 544,570. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y. Filed Dec. 17, 1947.

DAILY-MILK

Applicant claims ownership of Registrations Nos. 241,896, 293,144, 293,145, 297,529, 433,749, 434,579, and 434,580.

FOR DAIRY FEED CONSISTING OF CLEANED, GROUND AND BOLTED SCREENINGS FROM WHEAT, OATS, BARLEY AND FLAX; CORN GLUTEN FEED; GROUND AND BOLTED CLIPPED OAT BY-PRODUCT; CANE MOLASSES; WHEAT STANDARD MIDDLINGS; WHEAT BRAN; SOYBEAN OIL MEAL; COTTONSEED OIL MEAL; MALT SPROUTS; BREWERS DRIED GRAINS; CORN GLUTEN MEAL; CALCIUM CARBONATE FROM LIMESTONE 1%; IODIZED SALT 1% AND MANGANESE SULPHATE .015%.

Claims use since Sept. 8, 1931.

Ser. No. 544,571. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y. Filed Dec. 17, 1947.

DAILY-PIG

The word "Pig" is disclaimed. Applicant claims ownership of Registrations Nos. 241,896, 293,144, 293,145, 297,529, 433,749, 434,579, and 434,580.

FOR PIG MEAL CONSISTING OF WHEAT FLOUR MIDDLINGS, SOYBEAN OIL MEAL, CORN GLUTEN MEAL, OLD PROCESS LINSEED OIL MEAL, ALFALFA MEAL, CORN GLUTEN FEED, MEAT AND BONE SCRAPS, STEAMED BONE MEAL 3%, CANE MOLASSES, CALCIUM CARBONATE FROM LIMESTONE 1½%, IODIZED SALT ¼%, VITAMIN A AND D FEEDING OIL, COPPERAS (IRON SULPHATE) 1/20%, POTASSIUM IODIDE .0015% AND COPPER SULPHATE .0015%.

Claims use since 1934.

Ser. No. 544,975. CHICAGO MACARONI COMPANY, Chicago, Ill. Filed Dec. 20, 1947.

CYRILLA

Applicant claims ownership of Registration No. 288,333.

FOR CANNED FOODS—NAMELY, CANNED FRUITS FOR SALADS, CANNED FRUIT COCKTAIL, CANNED PINEAPPLE JUICE, CANNED PEACHES, CANNED GARBANZOS, CANNED TUNA FISH, CANNED CORN, CANNED PINEAPPLE, CANNED PEAS, CANNED SALMON, AND CANNED PEARS.

Claims use on canned fruit cocktail since on or about Oct. 1, 1940; on canned fruits for salad since on or about Nov. 1, 1940; on canned pears, canned pineapple, canned salmon, canned peaches, canned pineapple juice, and canned tuna fish since on or about Dec. 1, 1940; and for canned corn, canned peas, and canned garbanzos since on or about Apr. 1, 1941.

Ser. No. 545,464. ESTATE OF WILLIAM S. DWINNELL, DECEASED, doing business as Dwinnell Bros. Orchards, Minneapolis, Minn. Filed Dec. 26, 1947.

Pride of the North

Applicant claims ownership of Registration No. 360,741.

FOR FRESH APPLES.

Claims use since October 1934.

Ser. No. 545,753. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

Minnesota Valley

Applicant claims ownership of Registrations Nos. 400,693 and 162,555.

FOR CANNED CORN AND PEAS.

Claims use since 1903.

Ser. No. 546,208. FISHER DAIRY AND CHEESE COMPANY, Wapakoneta, Ohio. Filed Jan. 5, 1948.

RIB LAKE

FOR CHEESE.

Claims use since Dec. 1, 1948.

Ser. No. 546,732. STAR KAT WHITE, New York, N. Y. Filed Jan. 10, 1948.



The diagonal line in the drawing indicates a mottled brown and yellow coloring; and "Star" and "White" are lined to indicate that they are printed in yellow. Applicant claims ownership of Registrations Nos. 192,240, 203,062, and 233,555.

FOR FLAVORINGS IN LIQUID AND POWDER FORM FOR USE IN THE PREPARATION OF FOODS SUCH AS ICE CREAM, CONFECTIONERY, CAKES, AND PASTRIES.

Claims use since April 1946.

Ser. No. 548,176. PORTLAND PACKING CO., Portland, Maine. Filed Jan. 28, 1948.

BUTTERCUP

Applicant claims ownership of Registration No. 49,871.

FOR CANNED VEGETABLES—NAMELY, GOLDEN CORN (CREAM STYLE), STRING BEANS, AND PEAS.

Claims use since Sept. 1, 1890.

Ser. No. 548,177. PORTLAND PACKING CO., Portland, Maine. Filed Jan. 28, 1948.

Golden Harvest

Applicant claims ownership of Registration No. 47,493.
FOR CANNED VEGETABLES—NAMELY, GOLDEN CORN (CREAM STYLE), SUCCOTASH (PACKED WITH SHELLED BEANS), SHELLED BEANS, STRING BEANS, AND PEAS.
Claims use since Jan. 10, 1899.

Ser. No. 548,178. PORTLAND PACKING CO., Portland, Maine. Filed Jan. 28, 1948.

HONEY DROP

Applicant claims ownership of Registration No. 51,462.
FOR CANNED VEGETABLES—NAMELY, GOLDEN CORN (CREAM STYLE), GOLDEN CORN (WHOLE KERNEL), WHITE CORN (CREAM STYLE), SUCCOTASH (PACKED WITH SHELLED BEANS), SHELLED BEANS, STRING BEANS, BEETS, AND PEAS.
Claims use since September 1882.

Ser. No. 548,180. PORTLAND PACKING CO., Portland, Maine. Filed Jan. 28, 1948.

RED TOP

Applicant claims ownership of Registration No. 47,495.
FOR CANNED GOLDEN CORN.
Claims use since 1897.

Ser. No. 548,506. JOHNSTON FRUIT COMPANY, Santa Barbara, Calif. Filed Jan. 31, 1948. Under section 2f of the act of 1946.

PANAMA

Applicant claims ownership of Registration No. 161,019.
FOR FRESH CITRUS FRUITS.
Claims use since Aug. 7, 1911.

Ser. No. 548,830. OCEANIC SALES CO., Seattle, Wash. Filed Feb. 5, 1948.

Edola

FOR CANNED SALMON.
Claims use since 1911.

Ser. No. 548,832. OCEANIC SALES CO., Seattle, Wash. Filed Feb. 5, 1948.

TOMAH

FOR CANNED SALMON.
Claims use since 1911.

Ser. No. 549,065. EXETER ORANGE GROWERS ASSOCIATION, Exeter, Calif. Filed Feb. 7, 1948.

Yokohl

FOR FRESH CITRUS FRUITS.
Claims use since 1912.

Ser. No. 549,170. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Feb. 9, 1948.

MUFFETS

Applicant claims ownership of Registration No. 189,911.
FOR BISCUIT AND PATTY SHELLS FORMED OF WHOLE WHEAT.
Claims use since Apr. 13, 1923.

Ser. No. 549,463. RED 73 CREAMERY, INC., Union City, Ohio. Filed Feb. 11, 1948.

73

FOR BUTTER, POWDERED MILK, AND SWEETENED CONDENSED MILK.
Claims use since June 15, 1931.

Ser. No. 549,511. H. C. CHRISTIANS CO., Johnson Creek, Wis., and Chicago, Ill. Filed Feb. 12, 1948. Under section 2f of the act of 1946.

Elmdale

Applicant claims ownership of Registration No. 162,426.
FOR BUTTER.
Claims use since Aug. 6, 1921.

Ser. No. 549,634. H P COFFEE COMPANY, St. Louis, Mo. Filed Feb. 13, 1948.

BLIZZARD

FOR COFFEE.
Claims use since Jan. 2, 1920.

Ser. No. 549,678. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Feb. 13, 1948.

SAROMA

Applicant claims ownership of Registrations Nos. 398,094 and 430,537.
FOR FOOD FLAVORING OR SEASONING COMPOSITION, CONTAINING YEAST-VEGETABLE EXTRACT, IN PASTE FORM AND IN LIQUID OR SAUCE FORM, AND BOUILLON IN GRANULATED AND IN CUBE FORM.
Claims use since June 30, 1941.

Ser. No. 549,697. E. J. BRACH & SONS, Chicago, Ill. Filed Feb. 14, 1948.

POTOMAC

FOR CANDY.
Claims use since Mar. 31, 1935.

Ser. No. 549,732. KIMBRIEL AND COMPANY, Pharr, Tex. Filed Feb. 14, 1948.

Rio Rondo

FOR FRESH CITRUS FRUITS.
Claims use since Oct. 25, 1947.

Ser. No. 549,734. THE KENNEL FOOD SUPPLY COMPANY, INCORPORATED, Fairfield, Conn. Filed Feb. 14, 1948. Under section 2f of the act of 1946.

CERO-MEATO

Applicant claims ownership of Registration No. 242,320.
FOR DOG FOOD.
Claims use since Jan. 1, 1909.

Ser. No. 549,735. THE KENNEL FOOD SUPPLY COMPANY, INCORPORATED, Fairfield, Conn. Filed Feb. 14, 1948.

K.F.S.

Applicant claims ownership of Registration No. 418,133.
FOR DOG FOOD.
Claims use since 1904.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 556,964. KEELEY BREWING COMPANY, Chicago, Ill. Filed May 13, 1948. Under section 2f of the act of 1946.

Keeley

Applicant claims ownership of Registrations Nos. 307,547, 307,627, 308,058, 426,879, and 426,880.

FOR BEER, ALE, STOUT, AND BLENDS THEREOF.

Claims use since 1872.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 547,567. JOHN E. MOSER, doing business as Chemgrain Plate Preparation Co., Brooklyn, N. Y. Filed Jan. 20, 1948.

KEMGRANE

FOR ALUMINUM PHOTOLITHOGRAPHIC PRINTING PLATES.

Claims use since Dec. 23, 1947.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

442,752. PERFUMED TOILET PREPARATION FOR THE PURPOSE OF CLEANSING THE SCALP AND HAIR, IMPARTING A LUSTRE TO THE HAIR AND KEEPING IT WELL GROOMED AND IN PLACE. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y.
Filed Oct. 10, 1942, Serial No. 456,127. Published Apr. 27, 1943. Class 6.

442,753. CAULKING OF VARIOUS MIXTURES AND CONSISTENCIES FOR CAULKING OPENINGS. INDEPENDENT SILO COMPANY, St. Paul, Minn.
Filed July 15, 1943, Serial No. 462,097. Published June 6, 1948. Class 12.

442,754. CLEANER FOR REMOVING GREASE AND DIRT FROM THE SKIN AND CLOTHING, FOR CLEANING GLASS, WINDOWS, FLOORS, FURNITURE, WOODWORK, CARPETS, RUGS, AND SIMILAR ARTICLES OF MATERIAL. ALBERT WILLIAM MOELLER, doing business as Loo Loo, Des Moines, Iowa.
Filed Oct. 6, 1943, Serial No. 463,933. Published Feb. 1, 1949. Class 4.

442,755. FOOT PREPARATION FOR ATHLETE'S FOOT. IRVING SIMON, doing business as Aid-Oil Drugs, Brooklyn, N. Y.
Filed Jan. 20, 1944, Serial No. 466,746. Published July 11, 1944. Class 6.

442,756. SCENTED INSECTICIDE, NAPHTHALENE COMBINED WITH LAVENDER FLOWERS. KOPPERS COMPANY, INC., Kearny, N. J.
Filed Dec. 26, 1944, Serial No. 477,934. Published Dec. 11, 1945. Class 6.

442,757. AUTOMATIC CUT-OFF VALVES FOR HYDRAULIC FLUID LINES, OPERATIVE ONLY ON EXCESS QUANTITY FLOW INCIDENT TO RUPTURE OF LINES BEYOND THEM. UNITED AIRCRAFT PRODUCTS, INC., Dayton, Ohio.
Filed Feb. 6, 1945, Serial No. 479,501. Published Feb. 8, 1949. Class 13.

442,758. NECKLACES, BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS, ETC. CORO, INC., New York, N. Y.
Filed Dec. 29, 1945, Serial No. 494,033. Published July 2, 1946. Class 28.

442,759. MEN'S HANDKERCHIEFS MADE OF PLAIN WHITE MATERIAL. JNO. W. HENSON & SONS, Greenville, Tex.
Filed Jan. 12, 1946, Serial No. 494,675. Published Jan. 18, 1949. Class 39.

442,760. PHOTOGRAPHIC WETTING AGENT. EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y.
Filed Mar. 1, 1946, Serial No. 497,470. Published Feb. 15, 1949. Class 6.

442,761. DOLLS. SAYCO DOLL CORPORATION, New York, N. Y.
Filed Apr. 27, 1946, Serial No. 501,092. Published Jan. 11, 1949. Class 22.

442,762. LIQUID SCALP PREPARATION FOR EXTERNAL USE. PETER BULL, doing business as Bell Drug Co., New York, N. Y., assignor to E. M. Bailey & Co. Inc., New York, N. Y.
Filed July 10, 1946, Serial No. 505,332. Published June 10, 1947. Class 6.

442,763. PROJECTORS FOR STILL, SILENT AND SOUND MOVING PICTURES, EPIDIASCOPES, LIGHT METERS, AND PHOTOGRAPHIC SUPPLIES, NAMELY, DEVELOPING VESSELS, FILM CEMENT, PASTING PRESSES, ETC. E. PAILLARD & CIE., S. A., Sainte-Croix, Switzerland, now by change of name Paillard S. A. (Paillard A. G., Paillard Limited).
Filed July 12, 1946, Serial No. 505,515. Published July 6, 1948. Class 26.

442,764. CLEANING COMPOUNDS AND SOLVENTS FOR CLEANING FERROUS AND NON-FERROUS METALS. JOHN M. BASH, doing business as Phillips Chemical Company, Chicago, Ill.
Filed July 24, 1946, Serial No. 506,154. Published Feb. 8, 1949. Class 4.

442,765. CLEANING PREPARATION FOR GENERAL USE. MIAMI PRODUCTS AND CHEMICAL COMPANY, Dayton, Ohio.
Filed Aug. 5, 1946, Serial No. 506,886. Published June 10, 1947. Class 4.

442,766. PERFUME, COLOGNE, LIPSTICK, FACE POWDER, AND SHAMPOO. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois.
Filed Sept. 3, 1946, Serial No. 508,420. Published Jan. 6, 1948. Class 6.

442,767. WEED KILLER AND INSECTICIDE. COOK CHEMICAL COMPANY, Kansas City, Mo.
Filed Sept. 30, 1946, Serial No. 509,973. Published Feb. 8, 1949. Class 6.

442,768. CORN STARCH FOR LAUNDRY PURPOSES. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed Sept. 30, 1946, Serial No. 509,975. Published Feb. 15, 1949. Class 6.

442,769. SOAP. GERALD J. LE BLANC, doing business as Le Blanc Laboratories & Distributing Co., Grand Rapids, Mich.
Filed Sept. 30, 1946, Serial No. 509,990. Published Jan. 18, 1949. Class 4.

442,770. TOYS—NAMELY, MINIATURE AIRPLANE ENGINES, MINIATURE AIRPLANE PARTS, AND OTHER MINIATURE AIRPLANE MACHINERY, EQUIPMENT, AND ACCESSORIES. SUPER-CYCLONE, Glendale, Calif.
Filed Oct. 4, 1946, Serial No. 510,285. Published Feb. 1, 1949. Class 22.

442,771. FISH LURES. WITCH FIRE LURES, Madison, Wis.
Filed Oct. 4, 1946, Serial No. 510,292. Published Jan. 11, 1949. Class 22.

442,772. TIRE-CHAINS. THE COLUMBUS MCKINNON CHAIN CORPORATION, Tonawanda, N. Y.
Filed Oct. 8, 1946, Serial No. 510,424. Published Feb. 8, 1949. Class 13.

442,773. MEDICINAL PREPARATION SOLD ONLY ON A PHYSICIAN'S PRESCRIPTION AND ADMINISTERED BY INJECTION USED IN THE TREATMENT OF THE CLIMACTERIC OR MENOPAUSE, CERTAIN OTHER CONDITIONS RESULTING FROM OVARIAN DEFICIENCY, ETC. LINCOLN LABORATORIES, INCORPORATED, Decatur, Ill.
Filed Oct. 23, 1946, Serial No. 511,333. Published Jan. 25, 1949. Class 6.

442,774. MEDICINAL PREPARATION SOLD ONLY ON A PHYSICIAN'S PRESCRIPTION, ETC. LINCOLN LABORATORIES, INCORPORATED, Decatur, Ill.
Filed Oct. 23, 1946, Serial No. 511,342. Published Jan. 11, 1949. Class 6.

442,775. SKIS, SKI-POLES, SKI-BINDINGS, AND ACCESSORIES FOR THEM. L. A. JONSSONS SKIDFABRIKS A. B., Ostersund, Sweden.
Filed Nov. 26, 1946, Serial No. 513,260. Published Jan. 11, 1949. Class 22.

442,776. SILVER AND METAL POLISHES. FRENCH VENEER MANUFACTURING CO., INC., Los Angeles, Calif.
Filed Dec. 17, 1946, Serial No. 514,413. Published Jan. 18, 1949. Class 4.

442,777. PREPARATION FOR THE TREATMENT OF DERMATAPHYTOSIS, ECZEMA, SIMPLE RINGWORM, AND COMMON SKIN CONDITIONS WHERE A FUNGICIDE IS INDICATED. INTERVINE & CO., INC., Weehawken, N. J.
Filed Dec. 20, 1946, Serial No. 514,606. Published Feb. 1, 1949. Class 6.

442,778. QUATERNARY ORGANIC MATERIAL FOR USE IN THE PROCESSING OF TEXTILES, PARTICULARLY AS A FIXATIVE FOR DYESTUFFS. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed Dec. 31, 1946, Serial No. 515,138. Published Jan. 25, 1949. Class 6.

442,779. INNER TUBES FOR PNEUMATIC TIRES. ROBBINS TIRE AND RUBBER COMPANY, INC., Tuscumbia, Ala.
Filed Jan. 24, 1947, Serial No. 516,312. Published Mar. 16, 1948. Class 35.

442,780. PIPE FITTINGS—NAMELY, CONNECTORS, COUPLINGS, UNIONS, CROSSES, ELBOWS, AND NUTS MADE OF FERROUS AND NON-FERROUS METALS, AND FLEXIBLE METAL PIPE. THE BROCKWAY COMPANY, Naugatuck, Conn.
Filed Feb. 5, 1947, Serial No. 516,951. Published Feb. 8, 1949. Class 13.

442,781. GAMES PLAYED WITH A GAME BOARD AND MOVABLE PIECES. EVA H. GRUNDY, Seattle, Wash.
Filed Feb. 5, 1947, Serial No. 516,978. Published Jan. 11, 1949. Class 22.

442,782. COSMETIC PREPARATIONS FOR CLEANSING AND BEAUTIFYING THE SKIN—NAMELY, FACIAL MASQUE. WOL DRUG COMPANY, Milwaukee, Wis.
Filed Feb. 4, 1947, Serial No. 517,028. Published Feb. 8, 1949. Class 6.

442,783. BABY KITS CONTAINING HOT PLATES, IN THE FORM OF DISHES PROVIDED WITH COMPARTMENTS FOR HOLDING HOT WATER TO KEEP FOOD WARM, CUPS, SPOONS, AND RATTLES, BOTTLES, NURSING NIPPLES, AND STERILIZERS FOR THE SAME. FORMULETTE COMPANY, Inc., New York, N. Y.
Filed Feb. 17, 1947, Serial No. 517,631. Published Feb. 8, 1949. Class 50.

442,784. POCKET COMPASSES. HAMILTON A. LONG, Chicago, Ill.
Filed Feb. 17, 1947, Serial No. 517,643. Published Feb. 15, 1949. Class 26.

442,785. LIQUID CLEANER FOR LACQUERED OR ENAMEL SURFACES, ETC. RINSHED-MASON COMPANY, Detroit, Mich.
Filed Feb. 17, 1947, Serial No. 517,668. Published Feb. 1, 1949. Class 4.

442,786. CALIPERS, HEIGHT GAUGES, DEPTH GAUGES, INDICATOR GAUGES, UNIVERSAL PROTRACTORS, MICROMETER LEVELS, MICROMETERS, AND INDICATING MICROMETERS. PIERRE ROCH S. A. R. L., Rolle, Switzerland.
Filed Feb. 25, 1947, Serial No. 518,104. Published Feb. 15, 1949. Class 26.

442,787. DRY CLEANER. THE MYSTIC FOAM CORPORATION, Cleveland, Ohio.
Filed Mar. 5, 1947, Serial No. 518,553. Published Jan. 18, 1949. Class 4.

442,788. MEN'S AND CHILDREN'S HOSIERY. MARYON HOSIERY MILL, Carrollton, Ga., assignor to Maryon Hosiery Mill, Inc., a corporation of Georgia.
Filed Mar. 11, 1947, Serial No. 518,844. Published Jan. 11, 1949. Class 39.

442,789. FOOD FLAVORING POWDER. WING NIEN SOY SAUCE MFG. CO., San Francisco, Calif.
Filed Mar. 15, 1947, Serial No. 519,110. Published May 25, 1948. Class 46.

442,790. INSULATIVE AND FIREPROOF PLASTERING, PATCHING, MOLDABLE AND CEMENTITIOUS CONSTRUCTION MATERIALS, ETC. ANTHONY TROPIANO, doing business as Enduro-Plastic Co., Port Chester, N. Y.
Filed Mar. 26, 1947, Serial No. 519,608. Published Jan. 11, 1949. Class 12.

442,791. FLUID SEPARATORS OF THE FIXED TYPE WITHOUT MOVING PARTS FOR PURIFYING OR SEPARATING RAPIDLY MOVING FLUIDS, SUCH AS OIL, WATER, STEAM, AIR, AND BLAST FURNACE, PRODUCER, COKE OVEN, CITY, OR NATURAL GAS. CENTRIFIX CORPORATION, Cleveland, Ohio.
Filed Mar. 28, 1947, Serial No. 519,731. Published June 15, 1948. Class 13.

442,792. TINNING LIQUID FOR USE IN BONDING TIN, LEAD, AND SOLDER TO OTHER METALS. WILLIAM P. WANNEMACHER, doing business as Wannemacher Mfg. Co., Bloomington, Ill.
Filed Apr. 3, 1947, Serial No. 520,131. Published Jan. 25, 1949. Class 6.

442,793. GAS FUELED WATER HEATERS. LOS ANGELES GAS APPLIANCE COMPANY, INC., Los Angeles, Calif.
Filed Apr. 7, 1947, Serial No. 520,288. Published Jan. 18, 1949. Class 34.

442,794. SHAVING CREAM. FAIRY DYES LTD., Glasgow, Scotland.
Filed Apr. 11, 1947, Serial No. 520,502. Published Jan. 25, 1949. Class 4.

442,795. AIR PURIFIERS FOR HANGING IN REFRIGERATORS, FREEZE UNITS, ICE BOXES, FOOD LOCKERS, OVENS, AND THE LIKE. NO-ODA PRODUCTS CO., Evanston, Ill.
Filed Apr. 12, 1947, Serial No. 520,565. Published June 8, 1948. Class 6.

442,796. SUBSTANTIALLY SATURATED FATTY ACID ESTERS, FOR USE IN PLASTICIZING, ETC. THE BAKER CASTOR OIL COMPANY, Bayonne, N. J., and New York, N. Y.
Filed Apr. 15, 1947, Serial No. 520,677. Published Jan. 18, 1949. Class 6.

442,797. FISHING TACKLE—NAMELY, ARTIFICIAL FLIES, LURES, RODS, AND REELS. CHARLES W. SCOTT, doing business as S. K. S. Products, Butte, Mont.
Filed Apr. 15, 1947, Serial No. 520,772. Published Feb. 1, 1949. Class 22.

442,798. LOCK NUTS AND LOCK WASHERS, INCLUDING BALL AND ROLLER BEARING TYPES. WHITTET-HIGGINS COMPANY, Providence, R. I.
Filed Apr. 21, 1947, Serial No. 521,101. Published Feb. 15, 1949. Class 13.

442,799. CLEANING COMPOSITION PARTICULARLY ADAPTED FOR CLEARING DRAINS. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed Apr. 26, 1947, Serial No. 521,400. Published Feb. 8, 1949. Class 4.

442,800. CLEANING COMPOSITION PARTICULARLY ADAPTED FOR CLEARING DRAINS. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed Apr. 26, 1947, Serial No. 521,401. Published Feb. 8, 1949. Class 4.

442,801. PAJAMAS, PARTICULARLY FOR YOUNG LADIES. GLAMA-JAMA, INC., New York, N. Y.
Filed Apr. 30, 1947, Serial No. 521,574. Published June 15, 1948. Class 39.

442,802. PERFUME. JOSEPH W. SIMONEAU, doing business as J. W. Simoneau & Sons and White Mountain Perfumers, Nashua, N. H.
Filed May 1, 1947, Serial No. 521,693. Published Feb. 1, 1949. Class 6.

442,803. HEAT AND SOUND INSULATING AND PROTECTIVE MATERIALS FOR METALS, APPLIED IN LIQUID OR PASTE FORM AND HAVING AN ASPHALT BASE. TRI-SULEX CORPORATION, Nashville, Tenn.
Filed May 7, 1947, Serial No. 522,007. Published Jan. 18, 1949. Class 12.

442,804. WATER SOLUBLE GLASS, OR WATERGLASS USED AS DETERGENTS. ECONOMICS LABORATORY, INC., St. Paul, Minn.
Filed May 17, 1947, Serial No. 522,563. Published Feb. 1, 1949. Class 4.

442,805. GERMICIDE. ECONOMICS LABORATORY, INC., St. Paul, Minn.
Filed May 17, 1947, Serial No. 522,564. Published Sept. 9, 1947. Class 6.

442,806. ORNAMENTAL BALLS FOR USE ON CHRISTMAS TREES AND FOR OTHER ORNAMENTAL PURPOSES. BELL INDUSTRIES, INC., Chicago, Ill.
Filed May 20, 1947, Serial No. 522,730. Published Feb. 22, 1949. Class 50.

442,807. MEDICAL PREPARATION IN THE FORM OF SOLUBLE POWDER, ETC. GEIGY COMPANY, INC., New York, N. Y.
Filed May 21, 1947, Serial No. 522,779. Published Feb. 1, 1949. Class 6.

442,808. AIR DRAFT VENTILATORS NOT POWER DRIVEN OR FAN OPERATED. JOSEF L. KAROL, doing business as J. L. Karol Sheet Metal Co., Van Nuys, Calif.
Filed June 2, 1947, Serial No. 523,389. Published Feb. 1, 1949. Class 34.

442,809. GATE VALVES AND GLOBE VALVES. THE WM. POWELL COMPANY, Cincinnati, Ohio.
Filed June 4, 1947, Serial No. 523,534. Published Feb. 1, 1949. Class 13.

442,810. GATE VALVES AND GLOBE VALVES. THE WM. POWELL COMPANY, Cincinnati, Ohio.
Filed June 4, 1947, Serial No. 523,535. Published Feb. 1, 1949. Class 13.

442,811. FURS AND SKINS. HERZKE KIRSCH, INC., New York, N. Y.
Filed June 7, 1947, Serial No. 523,783. Published Feb. 15, 1949. Class 1.

442,812. ARTIFICIAL FIBERS, SUCH AS CELLULOSE FIBER, PROTEIN FIBER (E. G., MILK WOOL), CUT ARTIFICIAL SILK, RAYON STAPLE FIBER, NYLON FIBER, ARTIFICIAL STRAW, AND ARTIFICIAL HORSE HAIR, ETC. ALGEMEENE KUNSTZIJDE UNIE, N. V., Arnhem, Netherlands.
Filed June 12, 1947, Serial No. 524,036. Published July 13, 1948. Class 1.

442,813. STOCKINGS, SOCKS, HOSE, DRESS, NEGLIGEE, AND WORK SHIRTS, VESTS, ETC. WOLSEY LIMITED, Leicester, England.
Filed June 17, 1947, Serial No. 524,364. Published Jan. 18, 1949. Class 39.

442,814. STOCKINGS, SOCKS, HOSE, DRESS, NEGLIGEE, AND WORK SHIRTS, VESTS, PANTS, KNICKERS, APPAREL BELTS, COMBINATIONS OF UNDERWEAR, PYJAMAS, PULLOVER SWEATERS OR BLOUSES, SWEATERS, WAIST-COATS, JERSEYS, GLOVES, MITTENS, ETC. WOLSEY LIMITED, Leicester, England.
Filed June 17, 1947, Serial No. 524,366. Published Jan. 25, 1949. Class 39.

442,815. STOCKINGS, SOCKS, HOSE, DRESS, NEGLIGEE, AND WORK SHIRTS, VESTS, PANTS, KNICKERS, APPAREL BELTS, COMBINATIONS OF UNDERWEAR, PYJAMAS, PULLOVER SWEATERS OR BLOUSES, SWEATERS, WAIST-COATS, JERSEYS, GLOVES, MITTENS, SCARVES, CAPES, ETC. WOLSEY LIMITED, Leicester, England.
Filed June 17, 1947, Serial No. 524,367. Published Jan. 25, 1949. Class 39.

442,816. WOOD PULP. CONSOLIDATED PAPER CORPORATION LIMITED, Montreal, Quebec, Canada.
Filed June 20, 1947, Serial No. 524,524. Published Feb. 15, 1949. Class 1.

442,817. RESINOUS PLASTIC MATERIALS IN THE FORM OF RODS, TUBES, SLABS, SLATS, PANELS, STRIPS, AND FRAMES, AND THERMOPLASTIC MATERIALS IN THE FORM OF SHEETS, STRIPS, AND FILMS, ALL INTENDED FOR USE IN THE INDUSTRIAL ARTS AND FOR FURTHER MANUFACTURE. ST. REGIS PAPER COMPANY, New York, N. Y.
Filed June 21, 1947, Serial No. 524,625. Published Feb. 1, 1949. Class 1.

442,818. PLASTIC WALL TILE AND FLOOR TILE. UNITED DISTRIBUTORS, INC., Boston, Mass.
Filed June 25, 1947, Serial No. 524,839. Published Jan. 18, 1949. Class 12.

442,819. PLUMBING AND STEAM FITTING SUPPLIES—NAMELY, VALVES FOR STEAM AND HOT WATER CONDUITS, APERTURED DISC-LIKE ORIFICE DEVICES FOR CONTROLLING THE FLOW OF STEAM IN STEAM HEATING SYSTEMS, TRAPS, STRAINERS, PIPE FITTINGS, FITTINGS FOR ACCUMULATING WATER IN CONDUITS CONNECTING STEAM MAINS TO THE DIAPHRAGMS OF PRESSURE REDUCING VALVES, FITTINGS FOR STEAM BOILERS, ETC. WARREN WEBSTER & COMPANY, Camden, N. J.
Filed July 2, 1947, Serial No. 525,722. Published Jan. 25, 1949. Class 13.

ACT OF 1920

These registrations are not subject to opposition.

442,820. (CLASS 39. CLOTHING.) THE HOUSE OF ROTHCHILD, INC., New York, N. Y. Filed June 18, 1945, Serial No. 484,684.

House of Rothchild

FOR WOMEN'S WEARING APPAREL—NAMELY, HATS, HOSIERY, OUTER SKIRTS, SUITS, COATS, BLOUSES, SLACKS, DRESSES, PLAYSUITS, OUTER SHIRTS, SKI SUITS, SLIPS, NIGHTGOWNS, PAJAMAS, BED JACKETS, CHEMISES, PANTIES, BLOOMERS, CORSETS, GIRDLES, GARTER BELTS, BRASSIÈRES; INFANTS' AND CHILDREN'S WEAR—NAMELY, PAJAMAS, UNDERWEAR, DRESSES, COATS, SUITS FOR OUTER WEAR, HATS; MEN'S AND BOYS' WEARING APPAREL—NAMELY, HATS AND CAPS, SCARFS, NECKTIES, SPORTS SHIRTS, UNDERWEAR, PAJAMAS, SOCKS, OVERCOATS, TOPCOATS, SUSPENDERS, GARTERS, JACKETS, VESTS, TROUSERS, KNICKERS; SWEATERS; COLLAR AND CUFF SETS; DICKIES; BEACH AND LOUNGING ROBES; SHOES, SLIPPERS, SANDALS, AND GLOVES OF LEATHER AND FABRIC AND COMBINATIONS THEREOF; HANDKERCHIEFS; AND GARMENT BELTS.

Claims use since Feb. 6, 1945.

442,821. (CLASS 39. CLOTHING.) HATTIE CARNEGIE, INC., New York, N. Y. Filed June 6, 1947, Serial No. 523,667.

Carnegie

SHOES, SANDALS, SLIPPERS AND PLAY SHOES FOR WOMEN AND MISSES.

Claims use since Jan. 1, 1923.

ACT OF 1946, PRINCIPAL REGISTER

510,162. OIL STOVES. PAN-AMERICAN ENTERPRISES, INC., New York, N. Y.

Original filed Sept. 23, 1944, under the act of 1905; amended to application under act of 1946, Dec. 19, 1947, Serial No. 474,550. Published Feb. 1, 1949. Class 34.

510,163. NORMALLY TACKY AND PRESSURE-SENSITIVE ADHESIVE TAPES SUCH AS, FOR EXAMPLE, PAPER AND CLOTH-BACKED PRESSURE-SENSITIVE ADHESIVE TAPES FOR GENERAL USE. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J.

Original filed Dec. 12, 1945, under the act of 1905; amended to application under act of 1946, July 10, 1948, Serial No. 493,124. Published Feb. 8, 1949. Class 5.

510,164. POWDERED BRONZE FILTERS FOR FILTERING FLUIDS. WABASH MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois, assignee of Wabash Manufacturing Company.

Original filed Dec. 20, 1945, under the act of 1905; amended to application under act of 1946, Mar. 1, 1948, Serial No. 493,634. Published Jan. 25, 1949. Class 31.

510,165. HEAT EXCHANGERS FOR HEATING WATER WITH STEAM OR HOT WATER, ETC. BELL & GOSSETT COMPANY, Morton Grove, Ill.

Original filed Dec. 27, 1945, under the act of 1905; amended to application under act of 1946, Aug. 16, 1947, Serial No. 493,911. Published Jan. 18, 1949. Class 34.

510,166. INSTRUMENTS AND CONTROLS RESPONSIVE TO CHANGES IN PHYSICAL CONDITIONS—NAMELY, ELECTRO-THERMOSTATIC GAS VALVES, ETC. WHITE-RODGERS ELECTRIC COMPANY, St. Louis, Mo.

Original filed Feb. 7, 1946, under the act of 1905; amended to application under act of 1946, Nov. 7, 1947, Serial No. 496,187. Published Feb. 15, 1949. Class 26.

510,167. ARTIFICIAL FISH LURES. JAMES E. CLARK, St. Petersburg, Fla.

Original filed Apr. 8, 1946, under the act of 1905; amended to application under act of 1946, Sept. 18, 1947, Serial No. 499,823. Published Jan. 25, 1949. Class 22.

510,168. MIXTURE OF PORTLAND CEMENT AND OTHER MATERIALS USED IN MAKING CONSTRUCTION BLOCKS, AND FOR OTHER PURPOSES—NAMELY, INSULATING MATERIAL, AS PLASTER, AS A MORTAR, AND AS A MOISTURE REPELLANT. HIGGINS INDUSTRIES, INC., New Orleans, La., assignor to Higgins Resources, Inc., New Orleans, La., a corporation of Louisiana.

Original filed Apr. 22, 1946, under the act of 1905; amended to application under act of 1946, May 7, 1948, Serial No. 500,857. Published Jan. 18, 1949. Class 12.

510,169. TOBACCO POUCHES, CIGAR, CIGARETTE, AND PIPE CASES, AND LEATHER-COVERED HUMIDORS IN THE NATURE OF A HUMIDIFIER FOR TOBACCO PRODUCTS. ROGERS IMPORTS INC., New York, N. Y.

Original filed May 24, 1946, under the act of 1905; amended to application under act of 1946, Dec. 29, 1947, Serial No. 502,717. Published Jan. 25, 1949. Class 8.

510,170. PLASTIC MEMBERS FORMED BY EXTRUSION IN THE FORM OF RIGID OR SEMI-RIGID SHEETS, ETC. AMERICAN EXTRUDED PRODUCTS CO., Hollywood, Calif.

Original filed June 10, 1946, under the act of 1905; amended to application under act of 1946, Oct. 17, 1947, Serial No. 503,543. Published Feb. 22, 1949. Class 1.

510,171. COSMETICS—NAMELY, TALCUM POWDER, BABY POWDER, SACHET POWDER, DEODORANT CREAM, ETC. MORTON MANUFACTURING CORPORATION, also doing business as Blair of Virginia, Lynchburg, Va.

Original filed July 1, 1946, under the act of 1905; amended to application under act of 1946, July 27, 1948, Serial No. 504,921. Published Feb. 8, 1949. Class 6.

510,172. DOMESTIC COAL, GAS, AND OIL FIRED HEATING FURNACES, HEATING BOILERS, AND AIR CONDITIONERS—NAMELY, STEAM, HOT WATER, AND FORCED AIR HEATING SYSTEMS INCLUDING AIR FILTERS AND HUMIDIFIERS. THATCHER FURNACE COMPANY, Garwood, N. J.

Original filed July 10, 1946, under the act of 1905; amended to application under act of 1946, Feb. 4, 1948, Serial No. 505,367. Published Jan. 18, 1949. Class 34.

510,173. GAS CONVERSION BURNER FOR ORDINARY HOUSE HEATING FURNACES ORIGINALLY DESIGNED FOR BURNING SOLID FUEL, AND PARTS THEREOF. NORMAN PRODUCTS COMPANY, Columbus, Ohio.

Original filed Sept. 12, 1946, under the act of 1905; amended to application under act of 1946, Sept. 25, 1947, Serial No. 508,915. Published Jan. 18, 1949. Class 34.

510,174. GRANULAR SOAP. OVERTON CHEMICAL COMPANY, Sumner, Iowa.

Original filed Oct. 16, 1946, under the act of 1905; amended to application under act of 1946, Mar. 6, 1948, Serial No. 510,973. Published Jan. 11, 1949. Class 4.

510,175. MECHANICAL TOYS—NAMELY, POWER CRANES, POWER SHOVELS, SHOVEL DERRICKS, AND CLAM SHELL DERRICKS. BRENNER MANUFACTURING COMPANY, St. Louis, Mo.

Original filed Nov. 1, 1946, under the act of 1905; amended to application under act of 1946, Sept. 20, 1947, Serial No. 511,859. Published Jan. 11, 1949. Class 22.

510,176. OPHTHALMIC LENSES FOR OPTICAL PURPOSES. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio.

Original filed Nov. 19, 1946, under the act of 1905; amended to application under act of 1946, July 5, 1947, Serial No. 512,885. Published Feb. 15, 1949. Class 26.

510,177. COMMERCIAL REFRIGERATORS—NAMELY, DISPLAY AND STORAGE CASES, REFRIGERATED SERVICE BARS, REACH-IN REFRIGERATORS, DAIRY REFRIGERATORS, FROZEN FOOD REFRIGERATORS, AND FLORAL REFRIGERATORS. THE WARREN COMPANY, INC., Atlanta, Ga.

Original filed Nov. 26, 1946, under the act of 1905; amended to application under act of 1946, Sept. 3, 1947, Serial No. 513,283. Published Jan. 25, 1949. Class 31.

510,178. COMMERCIAL REFRIGERATORS—NAMELY, DISPLAY AND STORAGE CASES, REFRIGERATED SERVICE BARS, REACH-IN REFRIGERATORS, DAIRY REFRIGERATORS, FROZEN FOOD REFRIGERATORS, AND FLORAL REFRIGERATORS. THE WARREN COMPANY, INC., Atlanta, Ga.

Original filed Nov. 29, 1946, under the act of 1905; amended to application under act of 1946, Sept. 3, 1947, Serial No. 513,483. Published Jan. 25, 1949. Class 31.

510,179. COMMERCIAL REFRIGERATORS—NAMELY, DISPLAY AND STORAGE CASES, REFRIGERATED SERVICE BARS, REACH-IN REFRIGERATORS, DAIRY REFRIGERATORS, FROZEN FOOD REFRIGERATORS, AND FLORAL REFRIGERATORS. THE WARREN COMPANY, INC., Atlanta, Ga.

Original filed Dec. 5, 1946, under the act of 1905; amended to application under act of 1946, Sept. 3, 1947, Serial No. 513,789. Published Jan. 25, 1949. Class 31.

510,180. HEAD WARMERS FORMED OF FABRIC OR THE LIKE AND ADAPTED TO BE WORN WHILE SLEEPING. EDWARD C. HEMPHILL, doing business as Carnan Company, San Francisco, Calif.

Original filed Dec. 18, 1946, under the act of 1905; amended to application under act of 1946, Feb. 4, 1948, Serial No. 514,473. Published Jan. 18, 1949. Class 39.

510,181. GAS WATER HEATERS. SOUTHWESTERN HEATER CORPORATION, Hillsboro, Tex.

Original filed Jan. 14, 1947, under the act of 1905; amended to application under act of 1946, Dec. 1, 1947, Serial No. 515,724. Published Jan. 18, 1949. Class 34.

510,182. METALLIC AND NON-METALLIC PISTON RINGS AND ROD PACKING. DOUBLE SEAL RING COMPANY, Fort Worth, Tex.

Original filed Jan. 18, 1947, under the act of 1905; amended to application under act of 1946, July 16, 1948, Serial No. 515,944. Published Feb. 8, 1949. Class 35.

510,183. CONCENTRATED SOAP. SUGAR BEET PRODUCTS COMPANY, INC., Saginaw W. S., Mich.

Original filed Jan. 20, 1947, under the act of 1905; amended to application under act of 1946, Dec. 15, 1947, Serial No. 516,585. Published Feb. 15, 1949. Class 4.

510,184. COMMERCIAL REFRIGERATORS. TYLER FIXTURE CORPORATION, Niles, Mich.

Original filed Feb. 3, 1947, under the act of 1905; amended to application under act of 1946, Aug. 22, 1947, Serial No. 516,875. Published Jan. 11, 1949. Class 3.

510,185. ROLLED AND EXTRUDED NON-FERROUS TUBING. AMPCO METAL, INC., Milwaukee, Wis.

Original filed Feb. 13, 1947, under the act of 1905; amended to application under act of 1946, July 5, 1947, Serial No. 517,895. Published Jan. 25, 1949. Class 13.

510,186. PROPELLERS FOR TOY POWER DRIVEN AIRPLANES. ROBERT J. ROBERTS, doing business as Bob Roberts, Gary, Ind.

Original filed Mar. 17, 1947, under the act of 1905; amended to application under act of 1946, Nov. 14, 1947, Serial No. 519,138. Published Feb. 1, 1949. Class 22.

510,187. STERLING SILVER COSTUME JEWELRY. LANG JEWELRY COMPANY, Providence, R. I.

Original filed Apr. 2, 1947, under the act of 1905; amended to application under act of 1946, Mar. 16, 1948, Serial No. 520,044. Published Feb. 8, 1949. Class 28.

510,188. WINE. PADRE VINEYARD COMPANY, Los Angeles and Cucamonga, Calif.

Original filed Apr. 7, 1947, under the act of 1905; amended to application under act of 1946, Nov. 17, 1947, Serial No. 520,294. Published Jan. 11, 1949. Class 47.

510,189. THERMALLY INSULATED METAL PIPE. ALBERT A. DURANT, Honolulu, Territory of Hawaii.

Original filed Apr. 15, 1947, under the act of 1905; amended to application under act of 1946, Oct. 20, 1947, Serial No. 520,688. Published Feb. 1, 1949. Class 13.

510,190. COOKING RANGES—FOR GAS, OIL, COAL, AND WOOD. SOUTHERN STOVE WORKS, INC., Richmond, Va.
Original filed Apr. 22, 1947, under the act of 1905; amended to application under act of 1946, Dec. 16, 1947, Serial No. 521,157. Published Feb. 1, 1949. Class 34.

510,191. CHEMICAL PREPARATION OF ACIDIC REACTION APPLIED TO METALS IN SURFACE FINISHING PROCESSES. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa.
Original filed Apr. 28, 1947, under the act of 1905; amended to application under act of 1946, Mar. 4, 1948, Serial No. 521,423. Published Feb. 1, 1949. Class 6.

510,192. BALLS OF SYNTHETIC RUBBER OR OTHER RESILIENT MATERIAL FOR USE ON FLOUR SIFTING SCREENS AS SCREEN CLEANING DEVICES. R. J. S. CARTER, Minneapolis, Minn.
Original filed Apr. 30, 1947, under the act of 1905; amended to application under act of 1946, July 9, 1947, Serial No. 521,521. Published Jan. 18, 1949. Class 4.

510,193. SYNTHETIC DETERGENTS OF THE ALKYL ARYL SULFONATE TYPE FOR GENERAL CLEANSING PURPOSES. PACIFIC COAST BORAX COMPANY, Los Angeles, Calif.
Original filed May 3, 1947, under the act of 1905; amended to application under act of 1946, Sept. 16, 1947, Serial No. 521,819. Published May 18, 1948. Class 4.

510,194. STRAIN GAGES AND ELECTRO-MECHANICAL MEASURING APPARATUS IN WHICH STATIC AND DYNAMIC PHENOMENA ARE TRANSMITTED BY STRAIN GAGES. ARNOLD U. HUGGENBERGER, Zurich, Switzerland.
Original filed May 6, 1947, under the act of 1905; amended to application under act of 1946, July 5, 1947, Serial No. 521,976. Published Feb. 15, 1949. Class 26.

510,195. STRAIN GAGES AND ELECTRO-MECHANICAL MEASURING APPARATUS IN WHICH STATIC AND DYNAMIC PHENOMENA ARE TRANSMITTED BY STRAIN GAGES. ARNOLD U. HUGGENBERGER, Zurich, Switzerland.
Original filed May 6, 1947, under the act of 1905; amended to application under the act of 1946, July 5, 1947, Serial No. 521,977. Published Feb. 15, 1949. Class 26.

510,196. ALL KINDS OF CREAMS AND OILS FOR BEAUTIFYING THE SKIN. LANCÔME S. A., Paris, France.
Original filed May 9, 1947, under the act of 1905; amended to application under act of 1946, Sept. 18, 1947, Serial No. 522,143. Published Feb. 22, 1949. Class 6.

510,197. ALL KINDS OF BEAUTY CREAMS AND OILS FOR THE SKIN, INCLUDING NOURISHING AND SOOTHING CREAMS, OILS, AND LOTIONS FOR THE SKIN. LANCÔME S. A., Paris, France.
Original filed May 9, 1947, under the act of 1905; amended to application under act of 1946, Sept. 18, 1947, Serial No. 522,146. Published Feb. 8, 1949. Class 6.

510,198. PHOTOGRAPHIC DEVELOPER. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Original filed May 16, 1947, under the act of 1905; amended to application under act of 1946, July 5, 1947, Serial No. 522,519. Published Jan. 25, 1949. Class 6.

510,199. AMMONIUM THIOSULFATE FIXING BATH COMPOSITIONS TO BE USED IN THE DEVELOPMENT OF PAPER PRINTS, FILMS, AND PLATES. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Original filed May 16, 1947, under the act of 1905; amended to application under act of 1946, July 5, 1947, Serial No. 522,524. Published Feb. 15, 1949. Class 6.

510,200. SURFACE ACTIVE AGENT FOR ADDITION TO BLEACHING AND CLEANING PREPARATIONS FOR THE PURPOSE OF DECREASING SURFACE TENSION, INTERFACIAL TENSION, AND TO PROMOTE PENETRATION OF AQUEOUS SOLUTIONS. PACIFIC CHEMICAL COMPANY, Los Angeles, Calif.
Original filed June 12, 1947, under the act of 1905; amended to application under act of 1946, Dec. 18, 1947, Serial No. 524,077. Published Feb. 1, 1949. Class 6.

510,201. OPTICAL GOODS—NAMELY, SPECTACLES, GOGGLES, LENSES, SUN GLASSES, EYE SHADES, FRAMES, MOUNTINGS, AND PARTS THEREOF. CHARLES FOSTER & CO., New York, N. Y., assignor to Charles Foster & Co., Inc., New York, N. Y., a corporation of New York.
Original filed June 27, 1947, under the act of 1905; amended to application under act of 1946, Aug. 16, 1947, Serial No. 524,968. Published Feb. 15, 1949. Class 26.

510,202. STEEL WINDOWS AND DOORS, REINFORCING COMMODITIES—NAMELY, REINFORCING STEEL BARS, ETC. SOULE STEEL COMPANY, San Francisco and Los Angeles, Calif., Portland, Oreg., and Houston, Tex.
Filed July 5, 1947, Serial No. 527,479. Published Jan. 11, 1949. Class 12.

510,203. STOVE PIPE CONNECTOR. JACKES-EVANS MANUFACTURING COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,701. Published Feb. 1, 1949. Class 34.

510,204. STRINGS FOR TENNIS, BADMINTON, AND SQUASH RACKETS. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,767. Published Jan. 18, 1949. Class 22.

510,205. GOLF BALLS. THE WORTHINGTON BALL COMPANY, Elyria, Ohio.
Filed July 5, 1947, Serial No. 527,858. Published Jan. 11, 1949. Class 22.

510,206. STRINGS FOR TENNIS, BADMINTON, AND SQUASH RACKETS. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,870. Published Jan. 18, 1949. Class 22.

510,207. SUDSING CLEANER, CLEANSER, AND DETERGENT. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio.
Filed July 5, 1947, Serial No. 528,042. Published Jan. 18, 1949. Class 4.

510,208. QUICK-ACTING, SELF-LOCKING FASTENERS AND FASTENER PARTS AND ACCESSORIES—NAMELY, FASTENER STUDS, FASTENER SPRINGS, FASTENER GROMMETS, AND FASTENER RECEPTACLES. DUO FASTENER CO., INC., West Islip, N. Y.
Filed July 9, 1947, Serial No. 528,197. Published Feb. 15, 1949. Class 13.

510,209. GAS FIRED UNITS FOR CENTRAL HEATING OF RESIDENTIAL STRUCTURES. MECHANICAL HOME SYSTEMS, INCORPORATED, Chicago, Ill.
Filed July 9, 1947, Serial No. 528,216. Published Jan. 18, 1949. Class 34.

510,210. STEAM HEATING APPARATUS COMPRISING CONTROL EQUIPMENT, VALVES, STRAINERS, PUMPS, UNIT HEATERS, CONVECTORS, FITTINGS, HEATING ELEMENTS, AND AIR CONDITIONER, ETC. C. A. DUNHAM COMPANY, Chicago, Ill.
Filed July 10, 1947, Serial No. 528,264. Published Feb. 1, 1949. Class 34.

510,211. LIGHTWEIGHT METALLIC STRUCTURAL SHAPES AND JOIST HANGERS FOR GENERAL USE IN BUILDING CONSTRUCTION. JONES & LAUGHLIN STEEL CORPORATION, Pittsburgh, Pa.
Filed July 12, 1947, Serial No. 528,479. Published Feb. 8, 1949. Class 12.

510,212. STRINGS FOR BEADS. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 16, 1947, Serial No. 528,669. Published Feb. 22, 1949. Class 28.

510,213. STRINGS FOR BEADS. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 16, 1947, Serial No. 528,673. Published Feb. 22, 1949. Class 28.

510,214. TEMPERATURE REGULATING APPARATUS ACTUATED BY A THERMOSTAT WHICH IS A PART OF IT, FOR CONTROLLING THE ADMISSION OF COMBUSTION AIR TO THE COMBUSTION CHAMBER OF A HEATING APPARATUS. CALORIC STOVE CORPORATION, Philadelphia, Pa.
Filed July 16, 1947, Serial No. 528,690. Published Feb. 8, 1949. Class 26.

510,215. OIL FILTERS USED AS ACCESSORIES FOR INTERNAL COMBUSTION ENGINES. DE LUXE PRODUCTS CORPORATION, La Porte, Ind.
Filed July 17, 1947, Serial No. 528,775. Published Jan. 11, 1949. Class 31.

510,216. LEATHER FOR SHOE SOLES. J. GREENBAUM TANNING CO., Chicago, Ill.
Filed July 21, 1947, Serial No. 529,054. Published Feb. 1, 1949. Class 1.

510,217. WATER SOLVENT, DEHYDRATING AGENT, RUST INHIBITOR, CORROSION INHIBITOR, AND ANTIFREEZE AGENT. WINKENWERDER & LADD, INC., Chicago, Ill.
Filed July 23, 1947, Serial No. 529,328. Published Feb. 8, 1949. Class 6.

510,218. COTTON AND RAYON FIBRES. JOSEPH BANCROFT & SONS CO., Rockford, Wilmington, Del.
Filed July 24, 1947, Serial No. 529,347. Published Feb. 1, 1949. Class 1.

510,219. TOY COMPRISING A CIRCULAR ELEMENT OR DISK HAVING MEANS FOR SAILING IT THROUGH THE AIR. L. K. B. MANUFACTURING CO., Minneapolis, Minn.
Filed July 24, 1947, Serial No. 529,392. Published Jan. 11, 1949. Class 22.

510,220. DOLLS. ALMA LE BLANC, sometimes doing business as Lenna Lee's Tiny Town Dolls, San Francisco, Calif.
Filed July 24, 1947, Serial No. 529,394. Published Jan. 11, 1949. Class 22.

510,221. WELL SCREENS. HOWARD SMITH CO., Houston, Tex.
Filed July 24, 1947, Serial No. 529,413. Published Feb. 1, 1949. Class 13.

510,222. SYNTHETIC RESINOUS PLASTIC COMPOSITION IN SHEET FORM USED FOR VARIOUS MANUFACTURING PURPOSES IN THE ARTS. THE HARVIO COMPANY, Boston, Mass.
Filed July 25, 1947, Serial No. 529,461. Published Feb. 1, 1949. Class 1.

510,223. LOTION FOR THE HAIR. A. C. HYND CORP., Tipp City, Ohio.
Filed July 26, 1947, Serial No. 529,649. Published Feb. 1, 1949. Class 6.

510,224. LOTION FOR THE HAIR. A. C. HYND CORP., Tipp City, Ohio.
Filed July 26, 1947, Serial No. 529,650. Published Feb. 1, 1949. Class 6.

510,225. METALLIC SHUTTERS—NAMELY, VENETIAN BLINDS MOUNTED EXTERNALLY ON OPENINGS OF BUILDINGS, SUCH AS WINDOWS, DOORS, AND PORCHES. TASCO CORPORATION, doing business as Outside Venetian Blind Company, Dallas, Tex., assignor to J. E. Bush, Dallas, Tex., doing business as Outside Venetian Blind Company.
Filed July 28, 1947, Serial No. 529,828. Published Feb. 1, 1949. Class 12.

510,226. JEWELRY FOR PERSONAL WEAR—NAMELY, EXPANSION, CHARM AND IDENTIFICATION BRACELETS, ETC. PAKULA AND COMPANY, Chicago, Ill.
Filed July 29, 1947, Serial No. 529,924. Published Feb. 8, 1949. Class 28.

510,227. MAGNESIA-SILICA GEL CATALYST USED IN THE CATALYTIC CRACKING OF HYDROCARBONS. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md.
Filed July 30, 1947, Serial No. 529,969. Published Jan. 18, 1949. Class 6.

510,228. GEL CATALYST IN SPHEROIDAL FORM USED IN THE CATALYTIC CRACKING OF HYDROCARBONS. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md.
Filed July 30, 1947, Serial No. 529,970. Published Jan. 18, 1949. Class 6.

510,229. CASEMENT WINDOW ADJUSTERS, WINDOW CATCHES, HAND RAIL BRACKETS, CUPBOARD AND TRANSOM CATCHES, ETC. THE H. B. IVES COMPANY, New Haven, Conn.
Filed July 30, 1947, Serial No. 530,004. Published Feb. 1, 1949. Class 13.

510,230. SENSITIZED PHOTOGRAPHIC PAPER. CHARLES BRUNING COMPANY, INC., New York, N. Y.
Filed Aug. 1, 1947, Serial No. 530,165. Published Feb. 8, 1949. Class 26.

510,231. AUTOMATIC HUMIDIFIERS, AND AUTOMATIC AIR RELIEF VALVES, SUCH AS FOR USE WITH STEAM AND HOT WATER RADIATORS. MAID-O'-MIST, INC., Chicago, Ill.
Filed Aug. 1, 1947, Serial No. 530,228. Published Jan. 18, 1949. Class 34.

510,232. DECORATIVE WALL FINISH OR CALCIMINE IN THE NATURE OF A PAINT. M. EWING FOX CO., INC., New York, N. Y.
Filed Aug. 2, 1947, Serial No. 530,302. Published Jan. 11, 1949. Class 16.

510,233. ACETYLENE GAS GENERATORS, OXYGEN GAS GENERATORS, GAS WELDING FLUX CHARGERS, GAS FLOOD LIGHTS, AND GAS WELDING UNITS. THE SIGHT FEED GENERATOR COMPANY, West Alexandria, Ohio.
Filed Aug. 2, 1947, Serial No. 530,343. Published Jan. 25, 1949. Class 34.

510,234. PREPARATION FOR THE TREATMENT OF DIARRHEA. WARNER F. WILHELM, doing business as Blu Bru Company, Chicago, Ill.
Filed Aug. 8, 1947, Serial No. 530,880. Published Jan. 18, 1949. Class 6.

510,235. MACHINES FOR MAKING BLUE-PRINTS AND OTHER PRINTS SUCH AS BROWN-LINE PRINTS, WHITE PRINTS, AND REPRODUCED TRACINGS, ETC. PARAGON-REVOLUTE CORPORATION, Rochester, N. Y.
Filed Aug. 13, 1947, Serial No. 531,236. Published Feb. 15, 1949. Class 26.

510,236. LAMINATED IMPREGNATED WOOD FOR USE AS PARTS FOR MACHINES, AIRPLANES AND TOOLS. THE FORMICA INSULATION COMPANY, Cincinnati, Ohio, now by change of name The Formica Company, a corporation of Ohio.
Filed Aug. 14, 1947, Serial No. 531,823. Published Jan. 18, 1949. Class 12.

510,237. FRESH CITRUS FRUITS. FRANCES PORCHER BOWLES, trustee of the estate of E. P. Porcher, Cocoa, Fla., assignor to Adrienne R. Earnhardt, Daytona Beach, Fla., successor trustee.
Filed Aug. 15, 1947, Serial No. 531,458. Published Feb. 8, 1949. Class 46.

510,238. GAS BURNERS, OIL BURNERS, AND COMBINATION GAS AND OIL BURNERS. COPPUS ENGINEERING CORPORATION, Worcester, Mass.
Filed Aug. 16, 1947, Serial No. 531,576. Published Jan. 18, 1949. Class 34.

510,239. CAMERAS AND FILM SPOOLS. CINCINNATI CLOCK & INSTRUMENT CO., Cincinnati, Ohio.
Filed Aug. 18, 1947, Serial No. 531,648. Published Feb. 8, 1949. Class 26.

510,240. PREPARATION FOR THE CARE OF SORE, INFLAMED AND BLEEDING GUMS. LUCILA SALAZAR, doing business as Los Angeles Pharmacal Company, Los Angeles, Calif.
Filed Aug. 18, 1947, Serial No. 531,724. Published July 6, 1948. Class 6.

510,241. CHEMICALLY PROCESSED BOARD WHICH IS USED BOTH AS STRUCTURAL AND CABINET MATERIAL AND FOR ALL GENERAL PURPOSES FOR WHICH WALLBOARD MAY BE USED. THE TERACITE CORPORATION, Scranton, Pa.
Filed Aug. 18, 1947, Serial No. 531,738. Published Dec. 21, 1948. Class 12.

510,242. EMULSIFIERS FOR INSECTICIDAL MATERIALS. GRIFFIN CHEMICAL COMPANY, San Francisco, Calif.
Filed Aug. 19, 1947, Serial No. 531,791. Published Feb. 1, 1949. Class 6.

510,243. PLAIN ADHESIVE PAPER TAPE. EUGENE K. KRAKAUR, Patchogue, Long Island, N. Y.
Filed Aug. 19, 1947, Serial No. 531,809. Published Dec. 28, 1948. Class 5.

510,244. DEPILATORY IN POWDER FORM. MOREHOUSE MANUFACTURING COMPANY, Savannah, Ga.
Filed Aug. 20, 1947, Serial No. 531,931. Published July 27, 1948. Class 6.

510,245. MOUSE TRAPS. HAUCK MFG. CO. INC., Portland, Oreg.
Filed Aug. 21, 1947, Serial No. 532,023. Published Feb. 22, 1949. Class 50.

510,246. MOTION PICTURE PHOTOPLAYS. ARGOSY PICTURES CORPORATION, Culver City, Calif.
Filed Aug. 22, 1947, Serial No. 532,093. Published Feb. 8, 1949. Class 26.

510,247. RELIGIOUS ARTICLES OF JEWELRY—NAMELY, ROSARIES, MEDALS, BROOCHES, TIE HOLDERS, ETC. THE H. M. H. CO., Pawtucket, R. I.
Filed Aug. 23, 1947, Serial No. 532,221. Published Feb. 22, 1949. Class 28.

510,248. LIQUID IN WHICH DENTAL INSTRUMENTS ARE BATHED FOR CLEANSING THE SAME. THE CLEVELAND DENTAL MANUFACTURING COMPANY, Cleveland, Ohio.
Filed Aug. 7, 1947, Serial No. 532,391. Published Jan. 18, 1949. Class 4.

510,249. HOSE COUPLINGS. DIXON VALVE & COUPLING CO., Philadelphia, Pa.
Filed Aug. 26, 1947, Serial No. 532,432. Published Feb. 15, 1949. Class 13.

510,250. ANTISEPTIC TOILET POWDER. THE SPECIALTY PRODUCTS COMPANY, New Orleans, La.
Filed Aug. 26, 1947, Serial No. 532,520. Published Feb. 22, 1949. Class 6.

510,251. WINDOW SASHES IN WEATHER-STRIPPED WINDOW FRAMES, DOOR AND WINDOW FRAMES, WINDOW SASHES, AND DOORS. MONDEAUX MILLWORK AND SUPPLY COMPLY, Medford, Wis.
Filed Aug. 27, 1947, Serial No. 532,622. Published Dec. 28, 1948. Class 12.

510,252. DYESTUFFS. GEIGY COMPANY, INC., New York, N. Y.
Filed Sept. 3, 1947, Serial No. 533,159. Published Feb. 22, 1949. Class 6.

510,253. STAMP PADS AND RUBBER STAMP INK. FULTON SPECIALTY CO., Elizabeth, N. J.
Filed Sept. 4, 1947, Serial No. 533,299. Published Feb. 8, 1949. Class 11.

510,254. MATTRESSES. THE LAND-O-NOD COMPANY, Minneapolis, Minn.
Filed July 16, 1947, Serial No. 533,447. Published Feb. 15, 1949. Class 32.

510,255. PORTABLE BAG-TYPE REFRIGERATORS WITHIN WHICH ICE MAY BE PLACED. REFRIG-O-BAG CO., Minneapolis, Minn., assignor to Refrig-O-Bag Co., Inc., Minneapolis, Minn., a corporation of Minnesota.
Filed Sept. 5, 1947, Serial No. 533,616. Published Aug. 17, 1948. Class 31.

510,256. ATHLETIC BALLS, I. E., FOOTBALLS, VOLLEY BALLS, BASKETBALLS, SOCCER BALLS, AND WATER POLO BALLS. THE SUN RUBBER COMPANY, Barberton, Ohio.
Filed Sept. 5, 1947, Serial No. 533,640. Published Feb. 1, 1949. Class 22.

510,257. ATHLETIC BALLS, I. E., FOOTBALLS, VOLLEY BALLS, BASKETBALLS, SOCCER BALLS, AND WATER POLO BALLS. THE SUN RUBBER COMPANY, Barberton, Ohio.
Filed Sept. 5, 1947, Serial No. 533,641. Published Feb. 1, 1949. Class 22.

510,258. ATHLETIC BALLS, I. E., FOOTBALLS, VOLLEY BALLS, BASKET-BALLS, SOCCER BALLS, AND WATER POLO BALLS. THE SUN RUBBER COMPANY, Barberton, Ohio.
Filed Sept. 5, 1947, Serial No. 533,642. Published Feb. 1, 1949. Class 22.

510,259. SOAP. THE GEO. L. WILLIAMS COMPANY, Cleveland, Ohio.
Filed Sept. 6, 1947, Serial No. 533,688. Published Jan. 18, 1949. Class 4.

510,260. COFFEE MAKING APPARATUS—VIZ., GLASS COFFEE BREWERS AND PARTS THEREOF, ETC. CORY CORPORATION, Chicago, Ill.
Filed Sept. 11, 1947, Serial No. 534,090. Published Feb. 1, 1949. Class 13.

510,261. ABSORBENT, ALTERATIVE, AND ANALGESIC PREPARATIONS, ANESTHETICS, ANODYNES, ETC. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y., assignor to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware.
Filed Sept. 11, 1947, Serial No. 534,216. Published Feb. 22, 1949. Class 6.

510,262. PIPE FITTINGS—NAMELY, ELBOWS, T's; UNIONS AND NIPPLES; HIGHWAY GUARD RAIL FITTINGS—NAMELY, END FITTINGS AND ANCHORS, ETC. MALLEABLE IRON FITTINGS COMPANY, Branford, Conn.
Filed Sept. 12, 1947, Serial No. 534,298. Published Feb. 8, 1949. Class 13.

510,263. CERAMIC PIPE, CERAMIC PIPE FITTINGS, AND CERAMIC PIPE JOINT COLLARS. PACIFIC CLAY PRODUCTS, Los Angeles, Calif.
Filed Sept. 12, 1947, Serial No. 534,332. Published Jan. 25, 1949. Class 12.

510,264. SANDING KITS CONTAINING INDIVIDUAL CONTAINERS OF CEMENT AND ASSORTED GRADES OF ABRASIVE GRIT FOR PRODUCING SANDING BLOCKS. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed Sept. 12, 1947, Serial No. 534,348. Published Feb. 1, 1949. Class 4.

510,265. SANDING KITS CONTAINING INDIVIDUAL CONTAINERS OF CEMENT AND ASSORTED GRADES OF ABRASIVE GRIT FOR PRODUCING SANDING BLOCKS. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed Sept. 12, 1947, Serial No. 534,353. Published Feb. 1, 1949. Class 4.

510,266. ZINC PASTE, SULPHUR OINTMENT, WHITFIELD OINTMENT, SULFATHIAZOLE OINTMENT, ETC. ROYAL PHARMACAL CORPORATION, doing business as Royal Mfg. Co. of Duquesne, Brooklyn, N. Y.
Filed Sept. 12, 1947, Serial No. 534,369. Published Aug. 17, 1948. Class 6.

510,267. ATHLETIC EQUIPMENT—NAMELY, TENNIS BALLS, BASKET BALLS, FOOTBALLS, SOCCER BALLS, VOLLEY BALLS, WATER POLO BALLS, TETHER BALLS, BEACH BALLS, ETC. W. J. VOIT RUBBER CORP., Los Angeles, Calif.
Filed Sept. 13, 1947, Serial No. 534,492. Published Jan. 11, 1949. Class 22.

510,268. COUGH SYRUP, NASAL DROPS, RECTAL SUPPOSITORIES, TABLETS FOR THE RELIEF OF MINOR THROAT AND BRONCHIAL IRRITATIONS AND COUGHING SPASMS, ETC. E. D. HIGGINBOTHAM, doing business as Desert Wonder Products Company, Mentone, Calif.
Filed Sept. 15, 1947, Serial No. 534,532. Published July 13, 1948. Class 6.

510,269. REFRACTORY CEMENTS, REFRACTORY RAMMING MIXES, REFRACTORY BRICKS, AND REFRACTORY BLOCKS. THE CHAS. TAYLOR'S SONS COMPANY, Cincinnati, Ohio.
Filed Sept. 16, 1947, Serial No. 534,692. Published Feb. 1, 1949. Class 12.

510,270. COAL. THE SUNDAY CREEK COAL COMPANY, Columbus, Ohio.
Filed Sept. 18, 1947, Serial No. 534,938. Published Feb. 8, 1949. Class 1.

510,271. MEN'S, WOMEN'S, GIRLS' AND BOYS' HOSIERY, ETC. MUNSINGWEAR, INC., Minneapolis, Minn.
Filed Sept. 19, 1947, Serial No. 535,068. Published Jan. 18, 1949. Class 39.

510,272. CIGARETTE CASES, CIGARETTE LIGHTERS, CUFF LINKS, CHARMS, FINGER RINGS, ETC. THE KAPPA ALPHA ORDER, Louisville, Ky.
Filed Sept. 22, 1947, Serial No. 535,243. Published Feb. 22, 1949. Class 28.

510,273. FUNGICIDAL COMPOUND CONTAINING LIGNIN COMPOUNDS OF REDWOOD BARK FOR PREVENTING MOLDING, AND DETERIORATION BY MOLDS, OF WOOD, PAPER, FRUIT, VEGETABLES, AND THE LIKE. SEQUOIA PRODUCTS COMPANY, Eureka, Calif.
Filed Sept. 22, 1947, Serial No. 535,264. Published Jan. 11, 1949. Class 6.

510,274. SCALP AND HAIR LOTIONS AND OIL SHAMPOOS. THEE PRODUCTS CO., Denver, Colo.
Filed Sept. 22, 1947, Serial No. 535,272. Published Feb. 15, 1949. Class 6.

510,275. PLUMBING FIXTURES—NAMELY, VITREOUS CHINA LAVATORIES. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y.
Filed Sept. 26, 1947, Serial No. 535,802. Published Feb. 1, 1949. Class 13.

510,276. PLUMBING FIXTURES—NAMELY, VITREOUS CHINA LAVATORIES. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y.
Filed Sept. 26, 1947, Serial No. 535,808. Published Feb. 1, 1949. Class 13.

510,277. ALLERGENS, ANTIBIOTICS, VITAMIN B-COMPLEX, AND DIGITOXIN. WYETH INCORPORATED, Philadelphia, Pa.
Filed Nov. 21, 1947, Serial No. 536,208. Published Feb. 8, 1949. Class 5.

510,278. PLUMBING FIXTURES—NAMELY, VITREOUS CHINA LAVATORIES. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y.
Filed Oct. 1, 1947, Serial No. 536,345. Published Feb. 15, 1949. Class 13.

510,279. PLUMBING FIXTURES—NAMELY, VITREOUS CHINA WATER CLOSETS AND WATER CLOSET TANKS AND BALLCOCKS THEREFOR. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y.
Filed Oct. 1, 1947, Serial No. 536,346. Published Feb. 15, 1949. Class 13.

510,280. PLUMBING FIXTURES—NAMELY, VITREOUS CHINA LAVATORIES. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y.
Filed Oct. 1, 1947, Serial No. 536,347. Published Feb. 15, 1949. Class 13.

510,281. FISH LINE REELS. RAYMOND E. BROWN, doing business as Brown Tool & Mfg. Co., Westfield, Mass.
Filed Oct. 2, 1947, Serial No. 536,493. Published Jan. 11, 1949. Class 22.

510,282. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH SALTS, BRILLIANTINE, BANDOLINE, ROUGE, LIP STICKS, DUSTING POWDER, PERFUMED SACHET, COLD CREAMS, LOTION FOR THE SKIN AND HAIR, POWDER, AND ROUGE COMPACTS SOLD FILLED IN TRADE. HOUBIGANT, INC., New York, N. Y.
Filed Oct. 3, 1947, Serial No. 536,606. Published Feb. 8, 1949. Class 6.

510,283. BADMINTON RACKETS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Oct. 3, 1947, Serial No. 536,649. Published Jan. 25, 1949. Class 22.

510,284. TOYS HAVING LIGHT REFLECTING SURFACES SIMULATING AIRPLANE FORMS. BOLA TOYS, INCORPORATED, Greenwich, Conn.
Filed Oct. 4, 1947, Serial No. 536,752. Published Jan. 11, 1949. Class 22.

510,285. RAW PEANUTS. OL MAMMY COMPANY, Enfield, N. C.
Filed Oct. 7, 1947, Serial No. 537,075. Published Feb. 8, 1949. Class 46.

510,286. ROLLING DOORS. THE KINNEAR MANUFACTURING COMPANY, Columbus, Ohio.
Filed Oct. 10, 1947, Serial No. 537,459. Published Feb. 1, 1949. Class 12.

510,287. CONCRETE PRODUCTS—NAMELY, BLOCKS, BRICKS, AND TILES, MADE WITH CEMENT AND SAND, CINDERS, AND OTHER AGGREGATES. MULTIPLEX CONCRETE CO., INC., East Orange, N. J.
Filed Oct. 10, 1947, Serial No. 537,473. Published Feb. 1, 1949. Class 12.

510,288. PLASTIC WALL TILE MADE FROM RESINOUS BINDER, ASBESTOS FIBER, AND MINERAL COLORING PIGMENTS. THE TILE-TEX COMPANY, Chicago, Heights, Ill., assignor to The Flintkote Company, New York, N. Y., a corporation of Massachusetts.
Filed Oct. 11, 1947, Serial No. 537,635. Published Jan. 18, 1949. Class 12.

510,289. COUNTER-IRRITANT SALVE OR RUB FOR RELIEF OF PAINS, ETC. WHITEHALL PHARMACAL COMPANY, New York, N. Y., assignor to Affiliated Products, Inc., New York, N. Y., a corporation of Illinois, now by change of name Whitehall Pharmacal Company, a corporation of Illinois.
Filed Oct. 11, 1947, Serial No. 537,540. Published Feb. 8, 1949. Class 6.

510,290. SHAMPOO IN CREAM FORM. BONNE BELL, INC., Lakewood, Ohio.
Filed Oct. 15, 1947, Serial No. 537,867. Published Sept. 28, 1948. Class 6.

510,291. MOLDED PLASTIC ARTICLES—NAMELY, WALL TILES. NALLE PLASTICS, INC., Austin, Tex.
Filed Oct. 15, 1947, Serial No. 537,930. Published Jan. 25, 1940. Class 12.

510,292. BITUMINOUS EMULSION COMPOSITION FOR APPLICATION TO FLOORING AND SURFACING, EITHER ALONE OR WHEN MIXED WITH CEMENT, SAND, OR BOTH, OR OTHER INGREDIENTS. HUBERT E. SCHMID, doing business as Tufcrete Company, Des Moines, Iowa.
Filed Oct. 17, 1947, Serial No. 538,182. Published Feb. 1, 1949. Class 12.

510,293. DISHWASHING COMPOUND FOR USE IN ELECTRIC DISHWASHERS. ECONOMICS LABORATORY, INC., St. Paul, Minn.
Filed Oct. 20, 1947, Serial No. 538,384. Published Jan. 18, 1949. Class 4.

510,294. PREPARATION FOR GENERAL CLEANSING AND PURIFYING PURPOSES, INCLUDING THE CLEANING OF RESTAURANT AND KITCHEN UTENSILS, AND FOOD PREPARATION AND DISPENSING EQUIPMENT SUCH AS COFFEE URNS AND THE LIKE. TOMLINSON INDUSTRIES, INC., Cleveland, Ohio.
Filed Oct. 21, 1947, Serial No. 538,574. Published Jan. 11, 1949. Class 4.

510,295. CLEAR LIQUID USED IN HARDENING CONCRETE. HUBERT E. SCHMID, doing business as Tufcrete Company, Des Moines, Iowa.
Filed Oct. 25, 1947, Serial No. 539,087. Published Feb. 1, 1949. Class 12.

510,296. REFRIGERATORS OF THE HOUSEHOLD AND COMMERCIAL FREEZER TYPE FOR THE STORAGE OF FROZEN FOODS. TYLER FIXTURE CORPORATION, Niles, Mich.
Filed Oct. 27, 1947, Serial No. 539,241. Published Jan. 25, 1949. Class 31.

510,297. CROSSARMS, BRACES, PINS, AND BRACKETS, ALL SAID GOODS BEING MADE OF WOOD, FOR TELEPHONE, TELEGRAPH, AND ELECTRIC POWER POLES AND OTHER SUPPORTING STRUCTURES. AMERICAN CROSSARM & CONDUIT COMPANY, Chicago, Ill.
Filed Oct. 29, 1947, Serial No. 539,377. Published Dec. 28, 1948. Class 12.

510,298. STOVE POLISH. ARMSTRONG PAINT & VARNISH WORKS, doing business as Nickel Plate Stove Polish Company, Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,620. Published Jan. 18, 1949. Class 4.

510,299. STOVE POLISH. ARMSTRONG PAINT & VARNISH WORKS, doing business as Nickel Plate Stove Polish Co., Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,621. Published Jan. 18, 1949. Class 4.

510,300. METAL BRIDGE RAMPS AND WOODEN LOADING PALLETS. PALLET ENGINEERING COMPANY, San Francisco, Calif., assignor to Newall M. Bryson, San Francisco, Calif.
Filed Oct. 31, 1947, Serial No. 539,735. Published Feb. 22, 1949. Class 50.

510,301. PAINTS SOLD IN PASTE AND LIQUID FORM, ETC. DE BOOM PAINT CO., San Francisco, Calif.
Filed Nov. 4, 1947, Serial No. 540,044. Published Jan. 25, 1949. Class 16.

510,302. AUTOMOTIVE SYNTHETIC PAINT AND BAKING ENAMELS, UNDERCOATERS, REDUCERS, PRIMERS, AND SEALERS. DE BOOM PAINT CO., San Francisco, Calif.
Filed Nov. 4, 1947, Serial No. 540,048. Published Jan. 25, 1949. Class 16.

510,303. DETERGENT IN LIQUID FORM FOR USE IN CLEANING GLASS. INTERNATIONAL RUSTPROOF CORPORATION, Cleveland, Ohio.
Filed Nov. 4, 1947, Serial No. 540,074. Published Feb. 8, 1949. Class 4.

510,304. ICE CANS FOR USE IN THE MANUFACTURE OF ICE. THE OHIO GALVANIZING & MANUFACTURING COMPANY, Niles, Ohio.
Filed Nov. 4, 1947, Serial No. 540,099. Published Feb. 8, 1949. Class 31.

510,305. BILLIARD BALLS. ALBANY BILLIARD BALL COMPANY, Albany, New York.
Filed Nov. 6, 1947, Serial No. 540,234. Published Feb. 1, 1949. Class 22.

510,306. BILLIARD BALLS. ALBANY BILLIARD BALL COMPANY, Albany, New York.
Filed Nov. 6, 1947, Serial No. 540,236. Published Feb. 1, 1949. Class 22.

510,307. GOLF CLUBS. KENNETH SMITH, Kansas City, Mo.
Filed Nov. 6, 1947, Serial No. 540,326. Published Jan. 18, 1949. Class 22.

510,308. WATER HEATERS. TROOP WATER HEATER COMPANY, Pittsburgh, Pa.
Filed Nov. 7, 1947, Serial No. 540,488. Published July 20, 1948. Class 34.

510,309. WOVEN AND KNITTED UNDERWEAR AND OUTERWEAR CONSISTING OF SWEATERS, PULLOVERS, SHIRTS, JACKETS, COATS, VESTS, WINDBREAKERS, AND SPORTS SUITS FOR MEN. THE NEW ENGLAND KNITTING COMPANY, Winsted, Conn.
Filed July 25, 1947, Serial No. 540,595. Published Feb. 1, 1949. Class 39.

510,310. WOVEN AND KNITTED OUTERWEAR CONSISTING OF SWEATERS, PULLOVERS, SHIRTS, JACKETS, COATS, VESTS, WINDBREAKERS, AND SPORTS SUITS FOR MEN, WOMEN, AND CHILDREN. THE NEW ENGLAND KNITTING COMPANY, Winsted, Conn.
Filed July 25, 1947, Serial No. 540,598. Published Feb. 1, 1949. Class 39.

510,311. MEDICINAL PREPARATION CONTAINING PENICILLIN. JEAN U. KORES, New York, N. Y., assignor to William R. Warner & Co., Inc., New York, N. Y., a corporation of Delaware.
Filed Dec. 10, 1947, Serial No. 540,757. Published Feb. 8, 1949. Class 6.

510,312. PYROPHORIC POCKET AND DESK-TYPE LIGHTERS. THE NAPIER COMPANY, Meriden, Conn.
Filed Nov. 12, 1947, Serial No. 540,853. Published Jan. 18, 1949. Class 8.

510,313. PAINT ENAMELS (AIR-DRYING AND BAKING). THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed Nov. 12, 1947, Serial No. 540,910. Published Feb. 15, 1949. Class 15.

510,314. DETERGENT COMPOUND FOR INDUSTRIAL AND HOUSEHOLD CLEANING. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed Nov. 12, 1947, Serial No. 540,954. Published Feb. 1, 1949. Class 4.

510,315. FOOTBALLS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Nov. 13, 1947, Serial No. 541,035. Published Jan. 18, 1949. Class 22.

510,316. BASEBALLS, BASEBALL MITTS, BASEBALL GLOVES, SOFTBALLS, SOFTBALL MITTS, ETC. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Nov. 13, 1947, Serial No. 541,036. Published Jan. 18, 1949. Class 22.

510,317. GOLF BALLS AND GOLF CLUBS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Nov. 13, 1947, Serial No. 541,037. Published Jan. 18, 1949. Class 22.

510,318. GOLF BALLS, GOLF CLUBS, TENNIS RACKETS, ETC. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Nov. 13, 1947, Serial No. 541,038. Published Jan. 18, 1949. Class 22.

510,319. BADMINTON RACKETS, SQUASH RACKETS, TENNIS RACKETS, TABLE TENNIS BATS, BASKETBALLS, SOCCER BALLS, FOOTBALLS, VOLLEY BALLS, AND BASEBALL GLOVES. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Nov. 13, 1947, Serial No. 541,040. Published Feb. 1, 1949. Class 22.

510,320. PONDEROSA PINE LUMBER. EDWARD HINES LUMBER CO., Chicago, Ill.
Filed Nov. 14, 1947, Serial No. 541,140. Published Dec. 28, 1948. Class 12.

510,321. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio.
Filed Nov. 14, 1947, Serial No. 541,224. Published Feb. 1, 1949. Class 22.

510,322. SHREDDED FOAM RUBBER. CENTURY FABRICS COMPANY INC., Chicago, Ill.
Filed Nov. 15, 1947, Serial No. 541,260. Published Feb. 1, 1949. Class 1.

510,323. PLASTIC MATERIALS ADAPTED TO BE BLOWN INTO HOLLOW BODIES AND USED FOR AMUSEMENT OR TOY PURPOSES. INDUSTRIAL LACQUER AND CHEMICAL CORPORATION, Newark, N. J.
Filed Nov. 15, 1947, Serial No. 541,299. Published Jan. 18, 1949. Class 22.

510,324. WATER SOFTENING APPARATUS COMPRISING A TANK CONTAINING A BODY OF BASE EXCHANGE MATERIAL, PIPE CONNECTIONS FOR SAID TANK, VALVES, AND VALVE CONTROL MECHANISM THEREFOR. THE LINDSAY COMPANY, St. Paul, Minn.
Filed Nov. 15, 1947, Serial No. 541,311. Published Feb. 8, 1949. Class 31.

510,325. GIRLS' AND MISSES' SUITS AND COATS. NEW YORK GIRL COAT CO., INC., New York, N. Y.
Filed Nov. 15, 1947, Serial No. 541,326. Published Jan. 25, 1949. Class 39.

510,326. TENNIS RACKETS, BADMINTON RACKETS, SQUASH RACKETS, VOLLEY BALLS, SOCCER BALLS, FOOTBALLS, BASKETBALLS, TABLE-TENNIS BATS, AND TABLE TENNIS BALLS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Nov. 18, 1947, Serial No. 541,596. Published Jan. 18, 1949. Class 22.

510,327. STAPLE FIBRE MANUFACTURED FROM CASEIN FOR USE IN THE MANUFACTURE OF TEXTILE YARNS OR THREADS. COURTAULDS, LIMITED, London, England.
Filed Nov. 19, 1947, Serial No. 541,648. Published Feb. 1, 1949. Class 1.

510,328. INSECTICIDES. O-CEDAR CORP'N, Chicago, Ill.
Filed July 24, 1947, Serial No. 541,765. Published Feb. 1, 1949. Class 6.

510,329. FIREBRICK. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed Nov. 20, 1947, Serial No. 541,862. Published Feb. 1, 1949. Class 12.

510,330. ANTI-ACID EFFERVESCENT PREPARATIONS. MILES LABORATORIES, INC., Elkhart, Ind.
Filed Nov. 21, 1947, Serial No. 541,949. Published Feb. 1, 1949. Class 6.

510,331. POWER TRANSMISSION, CONVEYING, AND ELEVATING BELTING. IMPERIAL BELTING COMPANY, Chicago, Ill.
Filed Nov. 22, 1947, Serial No. 542,025. Published Feb. 15, 1949. Class 35.

510,332. FISHING BOBS. FRABILL MANUFACTURING COMPANY, Milwaukee, Wis.
Filed Nov. 25, 1947, Serial No. 542,305. Published Feb. 1, 1949. Class 22.

510,333. SOAP. ANTONIO LOPEZ JIMENEZ, Almeria, Spain.
Filed Nov. 25, 1947, Serial No. 542,320. Published Feb. 1, 1949. Class 4.

510,334. CUSTOM MIXED PAINTS AND PAINT ENAMELS. THE MARTIN-SENOUR COMPANY, Chicago, Ill.
Filed Nov. 25, 1947, Serial No. 542,323. Published Jan. 25, 1949. Class 16.

510,335. IMITATION TILE BOARD AND ASPHALT SLATE SURFACED ROOFING. PEASE WOODWORK COMPANY, Cincinnati, Ohio.
Filed Nov. 25, 1947, Serial No. 542,343. Published Jan. 18, 1949. Class 12.

510,336. GLUE. NATIONAL STARCH PRODUCTS INC., New York, N. Y.
Filed Nov. 26, 1947, Serial No. 542,480. Published Feb. 8, 1949. Class 5.

510,337. REPLACEABLE CARTRIDGE TYPE OIL FILTERS FOR AUTOMOBILES AND THE LIKE. PICK MANUFACTURING COMPANY, West Bend, Wis.
Filed Nov. 28, 1947, Serial No. 542,650. Published Jan. 25, 1949. Class 31.

510,338. MEN'S SHORTS. HERMAN HELLER, New York, N. Y.
Filed Aug. 16, 1947, Serial No. 542,994. Published Jan. 18, 1949. Class 39.

510,339. GUMMED TAPE. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed Oct. 8, 1947, Serial No. 543,367. Published Feb. 8, 1949. Class 5.

510,340. SILVER PLATED HOLLOW-WARE. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed Dec. 5, 1947, Serial No. 543,455. Published Feb. 22, 1949. Class 28.

510,341. ABRASIVE WADS OR PADS OF KNITTED METALLIC FABRIC. METAL TEXTILE CORPORATION, West Orange, N. J.
Filed Dec. 9, 1947, Serial No. 543,824. Published Jan. 11, 1949. Class 4.

510,342. SILVER-PLATED HOLLOW-WARE. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed Dec. 10, 1947, Serial No. 543,931. Published Feb. 22, 1949. Class 28.

510,343. PREFABRICATED HOUSES. TEXAS HOUSING COMPANY, Dallas, Tex.
Filed Dec. 10, 1947, Serial No. 544,005. Published Jan. 18, 1949. Class 12.

510,344. GYPSUM PLASTER, IN VARIOUS FORMS—NAMELY, HAIR FIBERED, SISAL FIBERED, WOOD FIBERED, AND UNFIBERED, AND ON FINISHING PLASTER, GAUGING PLASTER, MOULDING PLASTER, INSULATING PLASTER, CASTING PLASTER, AND PLASTER OF PARIS. IDEAL CEMENT COMPANY, Denver, Colo.
Filed Dec. 12, 1947, Serial No. 544,167. Published Feb. 1, 1949. Class 12.

510,345. AUTOMATIC WATER HEATERS. RHEEM MANUFACTURING COMPANY, New York, N. Y.
Filed Dec. 12, 1947, Serial No. 544,198. Published Feb. 1, 1949. Class 34.

510,346. CHEMICALLY TREATED WOOD POLES AND POSTS. SOUTHERN WOOD PRESERVING COMPANY, Eastpoint, Ga.
Filed Dec. 16, 1947, Serial No. 544,472. Published Feb. 8, 1949. Class 12.

510,347. REST ROOM CLEANING KIT CONTAINING WINDSHIELD WIPING TISSUE, DRAIN CLEANER, SPRAYER, EMPTY GLASS JAR, ETC. STERILBRAT CORPORATION OF AMERICA, Philadelphia, Pa.
Filed Dec. 16, 1947, Serial No. 544,475. Published Feb. 22, 1949. Class 50.

510,348. TOILET SOAP. MORTON MANUFACTURING CORPORATION, doing business as Snow White Products Company, Lynchburg, Va.
Filed Dec. 18, 1947, Serial No. 544,751. Published Feb. 1, 1949. Class 4.

510,349. PHOTOGRAPHIC CHEMICALS COMPRISING FINE GRAIN DEVELOPER, PRINT DEVELOPER, ACID HYPO, AND ACID SHORT STOP. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Dec. 18, 1947, Serial No. 544,776. Published Feb. 8, 1949. Class 6.

510,350. MEDICINES—NAMELY, AN HERB TEA FOR CAUSING THE ORGANS TO ELIMINATE. CONSOLIDATED ROYAL CHEMICAL CORPORATION, Chicago, Ill.
Filed Dec. 20, 1947, Serial No. 544,977. Published Feb. 22, 1949. Class 6.

510,351. CAULKING COMPOUNDS. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed Dec. 23, 1947, Serial No. 545,292. Published Feb. 1, 1949. Class 12.

510,352. RAT PASTE. BELL CHEMICAL CO., Chicago, Ill.
Filed Dec. 24, 1947, Serial No. 545,327. Published Feb. 22, 1949. Class 6.

510,353. VEGETABLE DERIVATIVE ADHESIVE FOR COMBINING PLIES OF PAPER AND OTHER ARTICLES. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed Dec. 30, 1947, Serial No. 545,783. Published Feb. 15, 1949. Class 5.

510,354. MEDICINAL OIL, USED AS AN ANTISEPTIC, ETC. NATIONAL REMEDY COMPANY, INC., White Plains, N. Y.
Filed Dec. 31, 1947, Serial No. 545,874. Published Jan. 18, 1949. Class 6.

510,355. BATH SALTS, TOILET WATER, TALCUM POWDER, AND BATH OIL. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed Jan. 2, 1948, Serial No. 545,936. Published Feb. 22, 1949. Class 6.

510,356. ROD AND VALVE-STEM PACKING. JOHNS-MANVILLE CORPORATION, New York, N. Y.
Filed Jan. 5, 1948, Serial No. 546,224. Published Feb. 15, 1949. Class 35.

510,357. SPOT CLEANER, AND ALL SURFACE CLEANER. MEYER BROTHERS, Paterson, N. J.
Filed Jan. 6, 1948, Serial No. 546,309. Published Jan. 25, 1949. Class 4.

510,358. TOY GOLF GAMES. MOEN & PATTON, INC., Lancaster, Pa.
Filed Jan. 6, 1948, Serial No. 546,310. Published Jan. 4, 1949. Class 22.

510,359. POWDERED CAR WASHES, NON-ALKALINE AUTO WASHES, ETC. JOHN T. STANLEY COMPANY, INC., New York, N. Y.
Filed Jan. 6, 1948, Serial No. 546,330. Published Feb. 8, 1949. Class 4.

510,360. NECKLACES MADE OF ARTIFICIAL PEARLS. THE ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed Jan. 9, 1948, Serial No. 546,544. Published Feb. 22, 1949. Class 28.

510,361. SOLE LEATHER. EBERLE TANNING COMPANY, Westfield, Pa.
Filed Jan. 13, 1948, Serial No. 546,831. Published Feb. 8, 1949. Class 1.

510,362. SOLE LEATHER. EBERLE TANNING COMPANY, Westfield, Pa.
Filed Jan. 13, 1948, Serial No. 546,832. Published Feb. 8, 1949. Class 1.

510,363. SOLE LEATHER. EBERLE TANNING COMPANY, Westfield, Pa.
Filed Jan. 13, 1948, Serial No. 546,833. Published Feb. 8, 1949. Class 1.

510,364. SOLE LEATHER. EBERLE TANNING COMPANY, Westfield, Pa.
Filed Jan. 13, 1948, Serial No. 546,835. Published Feb. 8, 1949. Class 1.

510,365. SOLE LEATHER. EBERLE TANNING COMPANY, Westfield, Pa.
Filed Jan. 13, 1948, Serial No. 546,837. Published Feb. 8, 1949. Class 1.

510,366. FULLER'S EARTH. FLORIDIN COMPANY, Warren, Pa.
Filed Jan. 13, 1948, Serial No. 546,844. Published Feb. 8, 1949. Class 1.

510,367. ALTERATIVE LAXATIVE. J. C. MENDENHALL MEDICINE CO., INCORPORATED, Mount Vernon, Ind.
Filed Jan. 14, 1948, Serial No. 547,012. Published Feb. 22, 1949. Class 6.

510,368. TANNED LEATHER IN THE PIECE. LEAS & MCVITTY, INC., Philadelphia, Pa.
Filed Jan. 15, 1948, Serial No. 547,131. Published Feb. 8, 1949. Class 1.

510,369. PRINTING INK. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed Jan. 15, 1948, Serial No. 547,178. Published Feb. 1, 1949. Class 11.

510,370. PRINTING INK. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed Jan. 15, 1948, Serial No. 547,181. Published Feb. 1, 1949. Class 11.

510,371. PRINTING INK. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed Jan. 15, 1948, Serial No. 547,186. Published Feb. 1, 1949. Class 11.

510,372. COAL. THE CLEVELAND-CLIFFS IRON COMPANY, Cleveland, Ohio.
Filed Jan. 16, 1948, Serial No. 547,234. Published Feb. 8, 1949. Class 1.

510,373. FACIAL AND HAND CREAMS, SKIN LOTION, ASTRINGENT LOTION, HAIR POMADE, ETC. HOWE-LEWIS, INC., Los Angeles, Calif.
Filed Jan. 19, 1948, Serial No. 547,454. Published Jan. 18, 1949. Class 6.

510,374. CHEMICAL COMPOUNDS FOR PRESERVATIVE TREATMENT OF FISH NETS AND FISHING LINES. THE TECHKOTE COMPANY, Inglewood, Calif.
Filed Jan. 20, 1948, Serial No. 547,579. Published Feb. 22, 1949. Class 6.

510,375. EYEGLASS CLEANER. LILLIE MAE POHLMANN, doing business as Patrick Sales Co., San Francisco, Calif.
Filed Jan. 21, 1948, Serial No. 547,656. Published Feb. 8, 1949. Class 4.

510,376. COAL. AYRSHIRE COLLIERIES CORPORATION, Wilmington, Del., and Indianapolis, Ind.
Filed Jan. 22, 1948, Serial No. 547,689. Published Feb. 8, 1949. Class 1.

510,377. WOOD PULP. GOTTESMAN & COMPANY, INCORPORATED, New York, N. Y.
Filed Jan. 23, 1948, Serial No. 547,849. Published Feb. 8, 1949. Class 1.

510,378. MEDICINAL PREPARATION TO BE APPLIED EXTERNALLY FOR USE IN THE TREATMENT OF RHEUMATISM, MUSCULAR ACHES AND PAINS, ETC. BENGUE INC., Union City, N. J.
Filed Jan. 24, 1948, Serial No. 547,888. Published Feb. 1, 1949. Class 6.

510,379. SPONGES. GULF & WEST INDIES CO., INC., New York, N. Y.
Filed Jan. 26, 1948, Serial No. 547,991. Published Feb. 22, 1949. Class 1.

510,380. FLATSTOCK OF FOAM RUBBER FOR FILLERS FOR FURNITURE CUSHIONS. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed Jan. 28, 1948, Serial No. 548,201. Published Feb. 22, 1949. Class 1.

510,381. VITAMIN ADJUVANT PREPARATION IN TABLET FORM FOR USE IN MEDICINE AND PHARMACY. BENGUE & CO. LTD., Mount Pleasant, Alperton, Middlesex, England.
Filed Jan. 29, 1948, Serial No. 548,233. Published Feb. 22, 1949. Class 6.

510,382. COLA TABLETS USED AS A TONIC AND COMPRISING COLA AND PEPSIN BUT CONTAINING NO ESSENTIAL OILS. STANDARD PHARMACEUTICAL CO., INC., New York, N. Y.
Filed Jan. 30, 1948, Serial No. 548,425. Published Feb. 1, 1949. Class 6.

510,383. FIELD SEEDS. SPHAR & COMPANY, Winchester, Ky.
Filed Feb. 2, 1948, Serial No. 548,614. Published Feb. 22, 1949. Class 1.

510,384. BOARD GAME. JOHN S. CAMPEN, Fort Lauderdale, Fla.
Filed Feb. 3, 1948, Serial No. 548,635. Published Jan. 18, 1949. Class 22.

510,385. FISHING LINES. THE H. & D. FOLSOM ARMS CO. INC., New York, N. Y.
Filed Feb. 3, 1948, Serial No. 548,652. Published Feb. 1, 1949. Class 22.

510,386. LEATHER. LEAS & MCVITTY, INC., Philadelphia, Pa.
Filed Feb. 3, 1948, Serial No. 548,660. Published Feb. 22, 1949. Class 1.

510,387. CHEMICAL COMPOUNDS HAVING WATER-SOFTENING QUALITIES, RECOMMENDED FOR ALL CLEANSING, WASHING, AND POLISHING PURPOSES, ETC. OAKITE PRODUCTS, INC., New York, N. Y.
Filed Feb. 3, 1948, Serial No. 548,674. Published Feb. 22, 1949. Class 6.

510,388. COIN-CONTROLLED AMUSEMENT APPARATUS. EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed Feb. 5, 1948, Serial No. 548,810. Published Feb. 1, 1949. Class 22.

510,389. LIQUID HAIR AND SCALP CONDITIONER. NICK BINDILLO, Baton Rouge, La.
Filed Feb. 6, 1948, Serial No. 548,915. Published Feb. 22, 1949. Class 6.

510,390. DRY ALKALINE CLEANSING PREPARATIONS IN THE NATURE OF SOLUBLE SALTS FOR CLEANING METALS PREPARATORY TO PLATING, BUFFING, ETC. MACDERMID INCORPORATED, Waterbury, Conn.
Filed Feb. 6, 1948, Serial No. 548,975. Published Dec. 28, 1948. Class 6.

510,391. JEWELRY, NOT INCLUDING WATCHES—NAMELY, BRACELETS, ETC. PRATT & WOLLMAN, INC., New York, N. Y.
Filed Feb. 6, 1948, Serial No. 548,993. Published Feb. 22, 1949. Class 28.

510,392. ARTIFICIAL BAIT. FRED ARBOGAST AND COMPANY, INC., Akron, Ohio.
Filed Feb. 7, 1948, Serial No. 549,043. Published Feb. 1, 1949. Class 22.

510,393. ARTIFICIAL BAIT. FRED ARBOGAST AND COMPANY, INC., Akron, Ohio.
Filed Feb. 7, 1948, Serial No. 549,044. Published Feb. 1, 1949. Class 22.

510,394. BENTONITE SOLD TO THE TRADE IN COMMINUTED FORM IN BAGS. BLACK HILLS BENTONITE, INC., Moorcroft, Wyo.
Filed Feb. 9, 1948, Serial No. 549,114. Published Feb. 22, 1949. Class 1.

510,395. BENTONITE SOLD TO THE TRADE IN COMMINUTED FORM IN BAGS. BLACK HILLS BENTONITE, INC., Moorcroft, Wyo.
Filed Feb. 9, 1948, Serial No. 549,115. Published Feb. 22, 1949. Class 1.

510,396. RANGE BOILERS, GAS WATER HEATERS, EXPANSION TANKS, AND COMBINATION BOILERS. JOHN WOOD MANUFACTURING COMPANY, INC., Conshohocken and Philadelphia, Pa., and Chicago, Ill.
Filed Nov. 29, 1947, Serial No. 549,401. Published Feb. 8, 1949. Class 34.

510,397. GAS WATER HEATERS, AND COMBINATION BOILERS. JOHN WOOD MANUFACTURING COMPANY, INC., Conshohocken and Philadelphia, Pa., and Chicago, Ill.
Filed Nov. 29, 1947, Serial No. 549,402. Published Jan. 25, 1949. Class 34.

510,398. LEATHER BELTING. ATLANTA BELTING COMPANY, Atlanta, Ga.
Filed Feb. 13, 1948, Serial No. 549,607. Published Feb. 15, 1949. Class 35.

510,399. INSECTICIDES. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed Feb. 13, 1948, Serial No. 549,657. Published Feb. 22, 1949. Class 6.

510,400. SOAPS OF ALL KINDS, SHAVING CREAMS, AND SHAVING POWDERS. PERFUMERIA FLORALIA, S. A., Madrid, Spain.
Filed Feb. 16, 1948, Serial No. 549,838. Published Jan. 11, 1949. Class 4.

510,401. COLOGNE; HAND, FACE, AND SKIN LOTIONE; AFTER-SHAVING LOTION; ETC. PERFUMERIA FLORALIA, S. A., Madrid, Spain.
Filed Feb. 16, 1948, Serial No. 549,839. Published Feb. 22, 1949. Class 6.

510,402. PIECES OF A CHESS GAME. KINOGWAY, INC., Chicago, Ill.
Filed Feb. 17, 1948, Serial No. 549,987. Published Feb. 1, 1949. Class 22.

510,403. MEDICINAL WHITE MINERAL OIL, RUBBING ALCOHOL, CITRATE OF MAGNESIA, D D T INSECTICIDES, AND EPSOM SALTS. SAN ANTONIO DRUG COMPANY, San Antonio, Tex.
Filed Feb. 19, 1948, Serial No. 550,173. Published Feb. 1, 1949. Class 6.

510,404. MASCARA. WHITEHALL PHARMACAL COMPANY, New York, N. Y.
Filed Feb. 21, 1948, Serial No. 550,371. Published Feb. 15, 1949. Class 6.

510,405. LIQUID AND CREAM FOUNDATIONS FOR FACIAL USE. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed Feb. 26, 1948, Serial No. 550,765. Published Feb. 22, 1949. Class 6.

510,406. GAS RANGES AND STOVES. THE TAPPAN STOVE COMPANY, Mansfield, Ohio.
Filed Feb. 26, 1948, Serial No. 550,841. Published Feb. 1, 1949. Class 34.

510,407. ANTI-HISTAMINIC PREPARATIONS. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,882. Published Feb. 1, 1949. Class 6.

510,406. CLEANSING COMPOUND FOR DAIRY USE; ABRASIVE FILES AND STONES. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass.
Filed Mar. 5, 1948, Serial No. 551,258. Published Jan. 11, 1949. Class 4.

510,409. VEGETABLE FIBER HARD BOARD. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed Mar. 13, 1948, Serial No. 551,923. Published Feb. 1, 1949. Class 12.

510,410. PREPARATION FOR USE IN THE TREATMENT OF HYPERTENSION. THE PAUL PLESSNER COMPANY, Detroit, Mich.
Filed Mar. 15, 1948, Serial No. 552,005. Published Feb. 22, 1949. Class 6.

510,411. STEEL WALKWAYS AND STAIRWAYS. BLACK, SIVALLS & BRYSON, INC., Kansas City, Mo.
Filed Mar. 20, 1948, Serial No. 552,566. Published Jan. 11, 1949. Class 12.

510,412. CASTABLE REFRACTORY MATERIAL. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill.
Filed Mar. 24, 1948, Serial No. 552,876. Published Feb. 15, 1949. Class 12.

510,413. DRY AGGREGATE READY TO MIX WITH WATER TO FORM A PLASTIC HEAT INSULATING MATERIAL. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill.
Filed Mar. 24, 1948, Serial No. 552,877. Published Feb. 15, 1949. Class 12.

510,414. FRATERNITY PIN. LAMBDA SIGMA FRATERNITY, Philadelphia, Pa.
Filed Mar. 25, 1948, Serial No. 552,991. Published Feb. 22, 1949. Class 28.

510,415. FIRE BRICK. A. P. GREEN FIRE BRICK COMPANY, Mexico, Mo.
Filed Mar. 29, 1948, Serial No. 553,277. Published Feb. 1, 1949. Class 12.

510,416. ATHLETE'S FOOT OINTMENT. GEORGE D. STANLEY, Salisbury, Md.
Filed Apr. 1, 1948; Serial No. 553,646. Published Feb. 1, 1949. Class 6.

510,417. CAUSTIC SODA. BRAY CHEMICAL CO., Chicago, Ill., assignor to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia.
Filed Apr. 2, 1948, Serial No. 553,669. Published Feb. 1, 1949. Class 6.

510,418. SOAPS. UNIVERSAL LABORATORIES, INC., East Orange, N. J.
Filed Apr. 3, 1948, Serial No. 553,792. Published Feb. 1, 1949. Class 4.

510,419. PREPARATIONS IN DRY POWDER FORM FOR USE IN THE PROCESSING OF TEXTILES, SPECIFICALLY FOR THE REMOVAL OF SIZINGS FROM TEXTILES. WALLERSTEIN COMPANY, INC., New York, N. Y.
Filed Apr. 5, 1948, Serial No. 553,935. Published Feb. 1, 1949. Class 6.

510,420. SILICATE OF SODA. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Apr. 8, 1948, Serial No. 554,149. Published Feb. 1, 1949. Class 6.

510,421. ANALGESIC AND ANTISPASMODIC TABLET FOR SYMPTOMATIC RELIEF OF PRIMARY DYSMENORRHEA. WESTERN PHARMACAL COMPANY, Salt Lake City, Utah.
Filed Apr. 8, 1948, Serial No. 554,182. Published Jan. 25, 1949. Class 6.

510,422. LIQUID SOAP, SURGICAL SOAP, SOAP, LIQUID CASTILE SOAP, POWDERED SOAP. WEST DISINFECTING COMPANY, Long Island City, N. Y.
Filed Apr. 12, 1948, Serial No. 554,458. Published Jan. 18, 1949. Class 4.

510,423. TRANSMISSION BELTING MADE OF RUBBER AND COTTON. QUAKER RUBBER CORPORATION, Philadelphia, Pa.
Filed Apr. 14, 1948, Serial No. 554,601. Published Feb. 8, 1949. Class 35.

510,424. TRANSMISSION BELTING MADE OF RUBBER AND COTTON. QUAKER RUBBER CORPORATION, Philadelphia, Pa.
Filed Apr. 14, 1948, Serial No. 554,606. Published Feb. 8, 1949. Class 35.

510,425. CHEMICALS USED IN PROCESSING PHOTOSENSITIVE PRODUCTS — NAMELY, DEVELOPERS, FIXERS, AND BLEACHERS FOR "ERASING." KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed Apr. 16, 1948, Serial No. 554,797. Published Feb. 15, 1949. Class 6.

510,426. CALCINED ALUMINA MATERIAL SOLD IN GRANULAR FORM IN BULK FOR BUFFING AND OTHER USES. GENERAL ABRASIVE COMPANY, INC., Niagara Falls, N. Y.
Filed Apr. 17, 1948, Serial No. 554,893. Published Jan. 18, 1949. Class 4.

510,427. FACE POWDER, ROUGE, LIPSTICK, EYE SHADOW, AND MASCARA. JOHN L. MICHAEL, INC., Flushing, N. Y.
Filed Apr. 17, 1948, Serial No. 554,905. Published Feb. 1, 1949. Class 6.

510,428. SYNTHETIC DETERGENT COMPOSITIONS FOR GENERAL CLEANING PURPOSES. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed Apr. 17, 1948, Serial No. 554,915. Published Jan. 25, 1949. Class 4.

510,429. ASPIRIN TABLETS. G. H. BROWN SPECIALTY CO., Des Moines, Iowa.
Filed Apr. 21, 1948; Serial No. 555,149. Published Feb. 22, 1949. Class 6.

510,430. WATCHES AND WATCH MOVEMENTS. TSCHUY-VOOT WATCH CO., Grenchen, Switzerland.
Filed Apr. 22, 1948, Serial No. 555,325. Published Feb. 22, 1949. Class 27.

510,431. GUMMED PAPER TAPE AND GUMMED CLOTH TAPE FOR GENERAL USE. GENERAL GUMMED PRODUCTS, INC., Richmond Hill, N. Y.
Filed Apr. 24, 1948, Serial No. 555,498. Published Feb. 15, 1949. Class 5.

510,432. COSMETIC ASTRINGENT PREPARATION IN LIQUID FORM. ANN MILLER, doing business as Line-No-Mor Co., New York, N. Y.
Filed Apr. 24, 1948, Serial No. 555,551. Published Feb. 1, 1949. Class 6.

510,433. WATERLESS HAND CLEANER. SAMUEL M. LADERMAN, doing business as Lee Products, Buffalo, N. Y.
Filed Apr. 27, 1948, Serial No. 555,682. Published Jan. 25, 1949. Class 4.

510,434. PREPARATION FOR THE REMOVAL OF STAINS FROM FABRICS. TAKAMINE LABORATORY, INC., Clifton, N. J.
Filed Apr. 28, 1948, Serial No. 555,782. Published Feb. 1, 1949. Class 4.

510,435. PERFUMES, TOILET WATERS, EAU DE COLOGNES, ETC. PARFUMS CHARBERT, INC., New York, N. Y.
Filed May 7, 1948, Serial No. 556,467. Published Feb. 2, 1949. Class 6.

510,436. PLUG VALVES AND PARTS THEREOF. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed Aug. 15, 1947, Serial No. 556,674. Published Feb. 15, 1949. Class 13.

510,437. SOAPLESS CLEANSER. TRIANGLE CHEMICAL COMPANY, Macon, Ga.
Filed May 12, 1948, Serial No. 556,932. Published Feb. 8, 1949. Class 4.

510,438. FACE CREAM AND HAIR LOTION TO AID IN RESTORING THE COLOR OF WHITE HAIR. MARY MAHIQUES, New York, N. Y.
Filed May 17, 1948, Serial No. 557,197. Published Feb. 22, 1949. Class 6.

510,439. FLOTATION OILS, PINE OILS, AND PINE TAR OIL. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed May 29, 1948, Serial No. 558,135. Published Feb. 22, 1949. Class 6.

510,440. ANTI-FREEZE COOLANT FOR INTERNAL COMBUSTION ENGINES. PRAIRIE STATES OIL & GREASE COMPANY, Danville, Ill.
Filed June 15, 1948, Serial No. 559,245. Published Feb. 22, 1949. Class 6.

510,441. SYNTHETIC ORGANIC CHEMICALS IN SOLID FORM AND/OR IN SOLUTIONS AND/OR SUSPENSIONS FOR USE IN CONTROLLING THE GROWTH OF AND/OR ERADICATING PLANTS. ROHM & HAAS COMPANY, Philadelphia, Pa.
Filed June 16, 1948, Serial No. 559,325. Published Feb. 22, 1949. Class 6.

510,442. DUPLICATING INK AND INK FOR PADS. A. B. DICK COMPANY, Chicago, Ill.
Filed June 18, 1948, Serial No. 559,661. Published Feb. 15, 1949. Class 11.

510,443. COAL TAR DYESTUFFS. H. P. ROSSIGER & CO., INC., New York, N. Y.
Filed June 19, 1948, Serial No. 559,736. Published Feb. 8, 1949. Class 6.

510,444. TOILET WATER AND TALCUM AND SACHET POWDERS. LENTHERIC INCORPORATED, New York, N. Y.
Filed June 29, 1948, Serial No. 560,417. Published Feb. 1, 1949. Class 6.

510,445. ESTROGENIC COMPOUND FOR USE IN SEX HORMONE THERAPY. CIBA PHARMACEUTICAL PRODUCTS, INC., Summit, N. J.
Filed June 30, 1948, Serial No. 560,448. Published Feb. 22, 1949. Class 6.

510,446. FLEA SOAP. POLK MILLER PRODUCTS CORPORATION, Richmond, Va.
Filed July 8, 1948, Serial No. 560,916. Published Jan. 11, 1949. Class 4.

510,447. NON-OILY VISCOUS LIQUIDS USED ON DUST COLLECTING SURFACES FOR DUST RETENTION PURPOSES. AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky.
Filed July 23, 1948, Serial No. 562,005. Published Feb. 22, 1949. Class 6.

510,448. CHEMICAL CLEANING FLUID FOR REMOVING SURFACE STAINS, RUST, INCRUSTATIONS, AND DISCOLORATIONS FROM TOILET BOWLS AND URINALS. HYSAN PRODUCTS COMPANY, Chicago, Ill.
Filed July 23, 1948, Serial No. 562,061. Published Feb. 1, 1949. Class 4.

510,449. CLEANING COMPOSITION FOR PAINTED SURFACES, ENAMELED SURFACES, LINOLEUM, AND THE LIKE. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed Aug. 9, 1948, Serial No. 563,077. Published Jan. 11, 1949. Class 4.

510,450. ION EXCHANGE RESINS. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed Aug. 12, 1948, Serial No. 563,245. Published Feb. 22, 1949. Class 6.

510,451. COAL. THE PHILADELPHIA AND READING COAL AND IRON COMPANY, Philadelphia, Pa.
Filed Apr. 2, 1948, Serial No. 563,989. Published Feb. 22, 1949. Class 1.

Service Marks

510,452. TRANSPORTATION OF PASSENGERS AND FREIGHT BY AIRCRAFT. PAN AMERICAN AIRWAYS, INC., New York, N. Y.
Filed July 29, 1947, Serial No. 529,923. Published Mar. 8, 1949. Class 55.

Certification Marks

510,453. COMBINATION SCREEN AND VENTILATOR STORM SASH TO BE MOUNTED IN A WINDOW FRAME. LATTA O. DAVIS, Noblesville, Ind.
Filed Nov. 19, 1947, Serial No. 541,651. Published Feb. 8, 1949. Class 12.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

510,454. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN HOSPITAL SUPPLY CORPORATION, Chicago, Ill. Original filed Oct. 8, 1945, under the act of 1905; amended to application under act of 1946, Sept. 23, 1948, Serial No. 489,307.

Derma-Fresh

FOR SKIN REFRESHANT AND EMOLLIENT FOR MASSAGE.
Claims use since Sept. 15, 1942.

510,455. (CLASS 39. CLOTHING.) THE LEON GODCHAUX CLOTHING COMPANY, LTD., New Orleans, La.
Filed Sept. 25, 1947, Serial No. 495,676.

Naked Nylons

FOR NYLON HOSIERY.
Claims use since Jan. 7, 1946.

510,456. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. CLAY GLOVER CO., INC., New York, N. Y., and elsewhere in the United States. Filed Sept. 1, 1948, Serial No. 500,301.

SPRA-TAN

FOR LOTION TO BE USED ON THE SKIN.
Claims use since Jan. 18, 1946.

510,457. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HELENA RUBINSTEIN, INC., New York, N. Y. Filed Jan. 14, 1948, Serial No. 503,945.

ROSE MAGNOLIA

FOR FACE AND BODY POWDERS, FACE CREAM, TOILET WATER, PERFUME AND LIPSTICKS.
Claims use since Apr. 1, 1946.

510,458. (CLASS 39. CLOTHING.) RILAND FROCKS, INC., Boston, Mass. Filed Nov. 12, 1948, Serial No. 511,184.

PROVEN MODE

FOR MISSES' AND WOMEN'S DRESSES.
Claims use since Oct. 14, 1946.

510,459. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) SOCIETÉ ANONYME DOGNIN, Villeurbanne, Paris, and Lyon, France. Original filed Nov. 23, 1946, under the act of 1905; amended to application under act of 1946, July 1, 1948, Serial No. 513,101.

DENTELLE RACINE

FOR LACES AND NETS SOLD IN THE PIECE.

510,460. (CLASS 39. CLOTHING.) THE W. L. KREIDER'S SONS MFG. CO. INC., Palmyra, Pa. Original filed Jan. 2, 1947, under the act of 1905; amended to application under act of 1946, Oct. 23, 1948, Serial No. 515,188.

FOOT-TRAITS FINE SHOES

FOR INFANTS', CHILDREN'S, MISSES', AND GIRLS' SHOES MADE OF LEATHER, FABRIC, OR COMPOSITIONS AND COMBINATIONS THEREOF.
Claims use since Sept 1, 1946.

510,461. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) CROSS & LINDEN, Milwaukee, Wis. Original filed Feb. 18, 1947, under the act of 1905; amended to application under act of 1946, Nov. 1, 1947, Serial No. 517,407.

AVERAGING CONTROLLER

FOR HEAT CONTROLLING APPARATUS OF THE DAMPER TYPE.
Claims use since Mar. 1, 1946.

510,462. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH NORRIS, doing business as Nina de Lisle, New York, N. Y. Filed July 28, 1948, Serial No. 521,271.

NINA de LISLE

The name "Nina de Lisle" shown in the drawing is merely fictitious.
FOR COSMETICS—NAMELY, PERFUMES, TOILET WATERS, DUSTING POWDER, AND LOTIONS FOR THE HANDS AND BODY.
Claims use since Dec. 23, 1946.

510,463. (CLASS 32. FURNITURE AND UPHOLSTERY.) PROGRESS BEDDING CO., Detroit, Mich. Filed June 9, 1948; original filed Aug. 25, 1947, Serial No. 532,340.

KRAFTBILT

FOR MATTRESSES AND BOX SPRINGS.
Claims use since 1927.

510,464. (CLASS 38. PRINTS AND PUBLICATIONS.) MILLER ART COMPANY, INC., Brooklyn, N. Y. Filed Sept. 5, 1947, Serial No. 533,592.

"A Miller Greeting is Like a Personal Meeting"

FOR GREETING CARDS.
Claims use since Dec. 10, 1946.

510,465. (CLASS 39. CLOTHING.) DANIEL'S KNITTING MILLS, INC., Brooklyn, N. Y. Filed Mar. 17, 1949, Serial No. 536,053.

Young uns

FOR BOYS' AND GIRLS' SWEATERS, KNITTED BLOUSES AND JACKETS.
Claims use since Mar. 8, 1947.

510,466. (CLASS 38. PRINTS AND PUBLICATIONS.) GOLFING PUBLICATIONS, INC., Chicago, Ill. Filed Sept. 13, 1948, Serial No. 537,770.

GOLFing

FOR MAGAZINE DEVOTED TO THE SPORT OF GOLFING.
Claims use since March 1947.

510,467. (CLASS 39. CLOTHING.) HANES HOSIERY, INCORPORATED, New York, N. Y. Filed Dec. 11, 1948, Serial No. 538,004.

SIR BRUCE

FOR HOSIERY.
Claims use since Sept. 16, 1947.

510,468. (CLASS 39. CLOTHING.) CALIFORNIA KNITTING MILLS, doing business as Hollyvogue Knitting Mills and Hollyvogue Sportswear Co., Los Angeles, Calif. Filed Feb. 26, 1949; original filed Nov. 14, 1947, Serial No. 541,083.

"Californian"

Applicant claims ownership of Registration No. 244,493.
FOR MEN'S, BOYS', WOMEN'S, MISSES' AND CHILDREN'S SWEATERS, BATHING SUITS, COATS, AND DRESSES.
Claims use since Jan. 1, 1926.

510,469. (CLASS 39. CLOTHING.) MANCHESTER KNITTED FASHIONS, INC., Manchester, N. H. Filed Mar. 2, 1949, Serial No. 541,152.

SHRINK-SET

FOR BOYS', MEN'S, AND WOMEN'S T-SHIRTS, PAJAMAS, AND SWEATERS, AND FOR INFANTS' AND CHILDREN'S T-SHIRTS, PLAY SUITS, CREEPERS, PAJAMAS.
Claims use since Sept. 22, 1947.

510,470. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AMERICAN RUBBER PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 12, 1949, Serial No. 541,631.

MASTER-FIT

FOR FLUSH TANK BALLS.
Claims use since Oct. 24, 1947.

510,471. (CLASS 38. PRINTS AND PUBLICATIONS.) KING PUBLICATIONS, San Francisco, Calif. Filed Feb. 15, 1949, Serial No. 545,265.

Construction Equipment Maintenance

FOR COLUMN IN A PERIODICAL.
Claims use since Dec. 12, 1947.

510,472. (CLASS 38. PRINTS AND PUBLICATIONS.) KING PUBLICATIONS, San Francisco, Calif. Filed Feb. 15, 1949, Serial No. 545,266.

MASTER MECHANIC

FOR COLUMN IN A PERIODICAL.
Claims use since Dec. 12, 1947.

510,473. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EATON MANUFACTURING COMPANY, Cleveland, Ohio. Filed Mar. 13, 1948, Serial No. 551,877.

HY SERVICE

FOR LOCK WASHERS.
Claims use since October 1946.

510,474. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EATON MANUFACTURING COMPANY, Cleveland, Ohio. Filed Mar. 13, 1948, Serial No. 551,879.

WIDE BEARING

FOR LOCK WASHERS.
Claims use since Aug. 21, 1942.

510,475. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SCULLY RUBBER MFG. CO., Baltimore, Md. Filed Mar. 16, 1948, Serial No. 552,087.

Seal Rite

FOR FLUSH TANK BALLS.
Claims use since May 10, 1942.

510,476. (CLASS 39. CLOTHING.) ROBINSON & GOLLUBER, INC., New York, N. Y. Filed Mar. 26, 1948, Serial No. 561,426.

Tru-Color

Applicant claims ownership of Registration No. 420,537.
FOR HANDKERCHIEFS.
Claims use since December 1944.

TRADE-MARK REGISTRATIONS RENEWED

32,888. RAMI. Registered May 16, 1899. Jean Fougerat, Levallois-Perret, France. Re-renewed May 16, 1949, to International Affiliated Corporation, New York, N. Y., a corporation of Delaware. SYRUP AGAINST COUGHS, BRONCHITIS, ASTHMA, INFLUENZA, WHOOPING-COUGH, AND CATARRH. Class 6.

33,357. "DIAMOND" ETC. AND DESIGN. Registered Aug. 15, 1899. Dr. J. Parker Pray Company, New York, N. Y. Re-renewed Aug. 15, 1949, to J. Parker Pray, Inc., Stamford, Conn., a corporation of New York. FINGER-NAIL POLISHES. Class 6.

33,358. "ROSALINE" ETC. AND DESIGN. Registered Aug. 15, 1899. Dr. J. Parker Pray Company, New York, N. Y. Re-renewed Aug. 15, 1949, to J. Parker Pray, Inc., Stamford, Conn., a corporation of New York. COSMETICS FOR TINTING THE FINGER-NAILS, LIPS, AND CHEEKS. Class 6.

33,359. "ONGOLINE" ETC. AND DESIGN. Registered Aug. 15, 1899. Dr. J. Parker Pray Company, New York, N. Y. Re-renewed Aug. 15, 1949, to J. Parker Pray, Inc., Stamford, Conn., a corporation of New York. TOILET PREPARATION FOR REMOVING HOSIERY AND GLOVE STAINS, INK AND FRUIT STAINS, ETC., FROM THE SKIN AND FINGER-NAILS, FOR BLEACHING THE NAILS, AND FOR REMOVING ROUGHNESS AND AGLETS OF CUTICLE FROM THE CUTICULAR FOLDS OF THE NAILS. Classes 4 and 6.

54,062. "A.DE LUZE & FILS" ETC. AND DESIGN. Registered June 19, 1906. A. De Luze & Fils. Re-renewed June 19, 1946 (as provided by P. L. 517, July 17, 1946), to Maison A. De Luze et Fils, Société à Responsabilité Limitée, Bordeaux, France, a corporation registered under the laws of the Republic of France. WINES OF ALL KINDS. Class 47.

60,760. OAKWOOD. Registered Feb. 19, 1907. S. H. Frank & Co. Re-renewed Feb. 19, 1947, to S. H. Frank & Company, San Francisco, Calif., a corporation of California. HEAVY TANNED LEATHERS. Class 1.

71,235. "SWAN" AND DESIGN. Registered Nov. 10, 1908. Mabie, Todd & Co., New York, N. Y. Re-renewed Nov. 10, 1948, to Mabie Todd & Co. Limited, London, England, a corporation organized under the laws of England. FOUNTAIN-PENS. Class 37.

71,446. SWAN. Registered Nov. 24, 1908. Mabie, Todd & Co., New York, N. Y. Re-renewed Nov. 24, 1948, to Mabie Todd & Co. Limited, London, England, a corporation organized under the laws of England. FOUNTAIN-PENS. Class 37.

72,247. HEYDEN. Registered Jan. 12, 1909. The Heyden Chemical Works. Re-renewed Jan. 12, 1949, to Heyden Chemical Corporation, New York, N. Y., a corporation of Delaware. ARTIFICIAL SWEETENERS, GUAIACOL CARBONATES, CREOSOTE CARBONATES, AND INTERNAL ANTISEPTICS. Class 6.

72,480. "LENOIR'S ECZEMA REMEDY" ETC. ENCLOSED BY OVAL OUTLINE. Registered Jan. 26, 1909. Cawthon-Coleman Company. Re-renewed Jan. 26, 1949, to Cawthon-Coleman Drug Company, Inc., Selma, Ala., a corporation of Alabama. REMEDY FOR THE TREATMENT OF ECZEMA, TETTER, RINGWORM, ITCH, SALT RHEUM, DANDRUFF, AND ALL SCALP HUMORS AND SCALY ERUPTIONS. Class 6.

72,995. "B" WITHIN A REPRESENTATION OF A STAR. Registered Mar. 9, 1909. B. A. Ballou & Co. Incorporated, Providence, R. I., a corporation of Rhode Island. Re-renewed Mar. 9, 1949. SAFETY PINS, BARRETTES, NECK CHAINS, HAT PINS, CROSSES, SLIDES, PENDANTS, COLLAR BUCKLES, ETC. Class 28.

73,093. HAVEMEYERS & ELDER. Registered Mar. 16, 1909. The American Sugar Refining Company, Jersey City, N. J. Re-renewed Mar. 16, 1949, to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey. GRANULATED SUGAR. Class 46.

73,095. REPRESENTATION OF EAGLE. Registered Mar. 16, 1909. The American Sugar Refining Company, Jersey City, N. J. Re-renewed Mar. 16, 1949, to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey. GRANULATED SUGAR. Class 46.

73,097. H & E. Registered Mar. 16, 1909. The American Sugar Refining Company, Jersey City, N. J. Re-renewed Mar. 16, 1949, to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey. GRANULATED SUGAR. Class 46.

73,098. "H & E" AND REPRESENTATION OF EAGLE. Registered Mar. 16, 1909. The American Sugar Refining Company, Jersey City, N. J. Re-renewed Mar. 16, 1949, to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey. GRANULATED SUGAR. Class 46.

73,099. DOMINO. Registered Mar. 16, 1909. The American Sugar Refining Company, Jersey City, N. J. Re-renewed Mar. 16, 1949, to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey. HARD SUGAR. Class 46.

73,100. REPRESENTATION OF TWO DOMINOES. Registered Mar. 16, 1909. The American Sugar Refining Company, Jersey City, N. J. Re-renewed Mar. 16, 1949, to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey. HARD SUGAR. Class 46.

73,104. "ANCHOR BRAND" AND REPRESENTATION OF ANCHOR. Registered Mar. 16, 1909. Bradas & Gheens. Re-renewed Mar. 16, 1949, to Bradas & Gheens, Inc., Louisville, Ky., a corporation of Kentucky. CANDY. Class 46.

73,508. "OUR CHOICE BRAND" AND DESIGN. Registered Apr. 27, 1909. California Fruit Canners Association. Re-renewed Apr. 27, 1940, to California Packing Corporation, San Francisco, Calif., a corporation of New York. CANNED FRUITS AND CANNED VEGETABLES AND DRIED FRUITS. Class 46.

73,509. "OUR CHOICE" AND MONOGRAM DESIGN. Registered Apr. 27, 1909. California Fruit Canners Association. Re-renewed Apr. 27, 1949, to California Packing Corporation, San Francisco, Calif., a corporation of New York. CANNED VEGETABLES. Class 46.

73,797. FRANKLIN. Registered May 18, 1909. The Franklin Sugar Refining Company, Philadelphia, Pa. Re-renewed May 18, 1949, to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey. SUGAR AND SYRUPS. Class 46.

74,278. ELCO. Registered June 29, 1909. The Electric Launch Company. Re-renewed June 29, 1949, to Electric Boat Company, Bayonne, N. J., a corporation of New Jersey. MOTOR BOATS. Class 19.

74,469. "SHASTA BRAND" AND DRAWING. Registered July 13, 1909. Code-Portwood Canning Co., Fruitvale, Calif. Re-renewed July 13, 1949, to California Packing Corporation, San Francisco, Calif., a corporation of New York. CANNED FRUITS. Class 46.

74,770. "MONUMENT" AND REPRESENTATION OF MONUMENT. Registered Aug. 10, 1909. Hibben, Hollweg & Company. Re-renewed Aug. 10, 1949, to Hibben Hollweg & Company, Indianapolis, Ind., a corporation of Indiana. WOVEN AND PRINTED COTTON, LINEN, WORSTED, AND SILK FABRICS. Class 42.

74,905. "KEYSTONE" AND REPRESENTATION OF KEYSTONE. Registered Aug. 17, 1909. J. C. Blair Company, Huntingdon, Pa. Re-renewed Aug. 17, 1949, to Western Tablet & Stationery Corporation, Dayton, Ohio, a corporation of Delaware. PAPER FOR WRITING AND PRINTING PURPOSES, DRAWING-PAPER, PENCIL-PAPER, ENVELOPS, WRITING-TABLETS, ETC. Class 37.

74,907. VESTA. Registered Aug. 17, 1909. The McClintock-Trunkey Co., Spokane, Wash., a corporation of Washington. Re-renewed Aug. 17, 1949. CANNED FRUITS AND VEGETABLES, ETC. Class 46.

74,962. "FRUIT VALE BRAND" AND DESIGN. Registered Aug. 24, 1909. Code-Portwood Canning Co., Fruitvale, Calif. Re-renewed Aug. 24, 1949, to California Packing Corporation, San Francisco, Calif., a corporation of New York. CANNED VEGETABLES. Class 46.

74,992. "THE SINGER MANFG. CO." ETC. AND DESIGN. Registered Aug. 24, 1909. The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey. Re-renewed Aug. 24, 1949. LUBRICATING OILS. Class 15.

75,095. PABCO. Registered Aug. 31, 1909. The Paraffine Paint Co. Re-renewed Aug. 31, 1949, to The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware. WATERPROOF ROOFINGS AND BUILDING-PAPERS MANUFACTURED FROM WATERPROOF MATERIALS COMBINED WITH PAPER OR FELT OR A COMBINATION OF SUCH MATERIALS. Class 12.

225,150. INTERNATIONAL SURGICAL DIGEST. Registered Mar. 15, 1927. W. F. Prior Company, Inc. Renewed Mar. 15, 1947, to W. F. Prior Company, Inc., Hagerstown, Md., a corporation of Maryland. MONTHLY MEDICAL JOURNAL. Class 38.

243,886. ASCO. Registered July 3, 1928. American Stores Company, Philadelphia, Pa., a corporation of Delaware. Renewed July 3, 1948. GELATINE DESSERT. Class 46.

245,238. "LANCE'S" AND DESIGN LINED FOR RED COLOR. Registered Aug. 7, 1928. Lance Packing Company. Renewed Aug. 7, 1948, to Lance, Inc., Charlotte, N. C., a corporation of North Carolina. SANDWICHES. Class 46.

245,284. LANCO. Registered Aug. 7, 1928. Lance Packing Company. Renewed Aug. 7, 1948, to Lance, Inc., Charlotte, N. C., a corporation of North Carolina. SANDWICHES. Class 46.

246,168. SUPERCREAM. Registered Sept. 4, 1928. R. H. Comey Companies Consolidated. Renewed Sept. 4, 1948, to R. H. Comey Company, Inc., Brooklyn, N. Y., a corporation of New York. PANAMA HATS AND VEGETABLE-FIBRE HATS FOR MEN. Class 39.

246,334. CLEARTONE. Registered Sept. 4, 1928. R. H. Comey Companies Consolidated. Renewed Sept. 4, 1948, to R. H. Comey Company, Inc., Brooklyn, N. Y., a corporation of New York. DYED AND BLEACHED HATS AND HAT BODIES FOR THE USE OF MEN, WOMEN, AND CHILDREN, COMPOSED PRINCIPALLY OF STRAW, CHIP, HEMP, VISCO, HAIR, PYROXYLINE, PEDALINE, AND ALL VEGETABLE-FIBER HATS. Class 39.

247,703. "GRANT'S" AND DRAWING. Registered Oct. 2, 1928. J. E. Grant, doing business as Grant's Hygienic Food Products Company. Renewed Oct. 2, 1948, to Vivian V. Grant, Berkeley, Calif. CRACKERS, HYGIENIC CRACKERS, BREAKFAST FOOD, WAFERS, MUSH, BREAD, HONEY, ETC. Class 46.

248,122. SUNBACK. Registered Oct. 16, 1928. The Ocean Bathing Suit Co. Renewed Oct. 16, 1948, to Alfred Murphy, New York, N. Y. BATHING SUITS. Class 39.

253,076. ELDA. Registered Feb. 19, 1929. Forstmann & Huffmann Company. Renewed Feb. 19, 1949, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. WOOLEN PIECE GOODS. Class 42.

253,627. IANA. Registered Mar. 5, 1929. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Renewed Mar. 5, 1949. HYDROCARBON CLEANING FLUID. Class 4.

253,628. PASOTEX. Registered Mar. 5, 1929. Pasotex Petroleum Company, Wilmington, Del., and San Francisco, Calif. Renewed Mar. 5, 1949, to Standard Oil Company of Texas, San Francisco, Calif., a corporation of Delaware. GASOLINE, KEROSENE, LUBRICATING OIL, LUBRICATING GREASE. Class 15.

253,733. "GOODYEAR BLUE DIAMOND" AND DESIGN LINED FOR BLUE. Registered Mar. 5, 1929. Phillips-Baker Rubber Co. Renewed Mar. 5, 1949, to Goodyear Footwear Corporation, Providence, R. I., a corporation of Delaware. RUBBER BOOTS AND SHOES. Class 39.

253,734. "GOODYEAR BLACK DIAMOND" AND DESIGN LINED FOR BLACK. Registered Mar. 5, 1929. Phillips-Baker Rubber Co. Renewed Mar. 5, 1949, to Goodyear Footwear Corporation, Providence, R. I., a corporation of Delaware. RUBBER BOOTS AND SHOES. Class 39.

253,737. FASHONIA. Registered Mar. 5, 1929. Gimbel Brothers, Inc., New York, N. Y., a corporation of New York. Renewed Mar. 5, 1949. WOMEN'S TRIMMED AND UNTRIMMED HATS. Class 39.

253,743. "CHEZ FRANCOIS" ETC. Registered Mar. 5, 1929. Auguste Francois Jacquemoux, Miami, Fla. Renewed Mar. 5, 1949, to Miami Fruit Industries, Inc., Hialeah, Fla., a corporation of Florida. CONFECTIONS—NAMELY, CANDIES AND CRYSTALLIZED FRUITS. Class 46.

253,764. BRIARCLIFFE. Registered Mar. 5, 1929. Loft, Inc. Renewed Mar. 5, 1949, to Loft Candy Corporation, Long Island City, N. Y., a corporation of New York. ICE CREAM. Class 46.

253,833. WHERE STYLE BEGINS. Registered Mar. 5, 1929. The H. W. Gossard Company, Chicago, Ill., now by change of name Associated Apparel Industries, Inc. Renewed Mar. 5, 1949, to Lemonde Corset Company, Saginaw, Mich., a corporation of Michigan. CORSETS, BRASSIÈRES, COMBINED CORSETS AND BRASSIÈRES, AND GARTER BELTS. Class 39.

254,154. "GOLD SEAL" ETC. AND CIRCULAR DESIGN. Registered Mar. 12, 1929. Appaline Oil Company, Clarksburg, W. Va. Renewed Mar. 12, 1949, to Sterling Oil Company, Oil City, Pa., a corporation of Pennsylvania. FUEL OILS AND LUBRICATING OILS AND GREASES. Class 15.

254,387. "LADY LANE" AND DESIGN. Registered Mar. 26, 1929. Lane Bryant, Inc., New York, N. Y., a corporation of Delaware. Renewed Mar. 26, 1949. MEN'S, WOMEN'S, AND CHILDREN'S SHOES AND BOOTS OF LEATHER, RUBBER, OF FABRIC OR OF COMBINATIONS OF SAID MATERIALS. Class 39.

254,389. TEXTONE. Registered Mar. 26, 1929. United States Gypsum Company, Chicago, Ill., a corporation of Illinois. Renewed Mar. 26, 1949. PLASTIC WALL COVERINGS IN THE NATURE OF PAINT. Class 16.

254,617. "DIAMOND BRAND" ETC. AND DESIGN. Registered Mar. 26, 1929. National Creamery Company, Boston, Mass. Renewed Mar. 26, 1949, to National Creamery Company, Somerville, Mass., a corporation of Delaware. CHEESE AND BUTTER. Class 46.

254,717. DESIGN OF ECCENTRICALLY ARRANGED SERIES OF CONCENTRIC CIRCLES. Registered Mar. 26, 1929. Hubbard Milling Company, Mankato, Minn., a corporation of Minnesota. Renewed Mar. 26, 1949. STOCK FEED. Class 46.

255,152. PENTASOL. Registered Apr. 16, 1929. The Sharples Solvents Corporation. Renewed Apr. 16, 1949, to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Delaware. AMYL ALCOHOL. Class 6.

255,201. WATER BOY. Registered Apr. 16, 1929. Louisiana State Rice Milling Company, Inc., New Orleans, La. Renewed Apr. 16, 1949, to Louisiana State Rice Milling Company, Inc., Abbeville, La., a corporation of Louisiana. RICE. Class 46.

255,436. RAOLA. Registered Apr. 23, 1929. Van Camp Hardware & Iron Company, Indianapolis, Ind., a corporation of Indiana. Renewed Apr. 23, 1949. STORAGE BATTERIES. Class 21.

255,882. COURDEJUILLE. Registered Apr. 30, 1929. New York Mills Corporation. Renewed Apr. 30, 1949, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware. COTTON PILE FABRICS. Class 42.

255,933. "SMART SET" AND REPRESENTATION OF DOG. Registered Apr. 30, 1929. The Buchheimer Company, assignor to Graton & Knight Company. Renewed Apr. 30, 1949, to Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts. ANIMAL EQUIPMENT—NAMELY, COLLARS, HARNESS, LEADS, WHIPS, MUZZLES, ETC. Class 8.

256,305. H-B-A. Registered May 14, 1929. Victor Manufacturing & Gasket Co., Chicago, Ill., a corporation of Illinois. Renewed May 14, 1940. GASKETS. Class 35.

256,448. DU-RAY. Registered May 14, 1929. Duplan Silk Corporation, Renewed May 14, 1949, to The Duplan Corporation, New York, N. Y., a corporation of Delaware. YARNS OF SILK RAYON, COTTON, WOOL, AND MIXTURES THEREOF. Class 43.

256,592. THERMIL. Registered May 21, 1929. Southern Mills, Inc., Atlanta, Ga., a corporation of Georgia. Renewed May 21, 1949. COTTON PADDING FOR USE IN LAUNDRIES. Class 42.

256,879. SOLO. Registered May 28, 1929. Julius Kayser & Co., New York, N. Y., a corporation of New York. Renewed May 28, 1949. LADIES' SILK UNDERWEAR OF KNITTED OR TEXTILE FABRICS. Class 39.

256,931. GOLD FEATHER. Registered May 28, 1929. Standlee & Bryant, Brawley and Los Angeles, Calif. Renewed May 28, 1949, to W. M. Corn, Calipatria, Calif. FRESH VEGETABLES, FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS, ETC. Class 46.

257,006. BAND LINED FOR BLUE COLOR EXTENDING ACROSS THE FACE OF A LUMP OF COAL. Registered May 28, 1929. Blackwood Coal and Coke Company, Philadelphia, Pa. Renewed May 28, 1949, to Blackwood Coal & Coke Co., Blackwood, Va., and Philadelphia, Pa., a corporation of Virginia. BITUMINOUS COAL. Class 1.

257,600. COW BRAND. Registered June 11, 1929. Church & Dwight Co., Inc., New York, N. Y., a corporation of Delaware. Renewed June 11, 1949. SAL SODA. Class 6.

257,768. LAVACA. Registered June 18, 1929. Church & Dwight Co., Inc., New York, N. Y., a corporation of Delaware. Renewed June 18, 1949. BICARBONATE OF SODA, BAKING SODA, SAL SODA, WASHING SODA, AND MONOHYDRATED CARBONATE OF SODA. Class 6.

257,950. REPRESENTATION OF A COW. Registered June 25, 1929. Church & Dwight Co., Inc., New York, N. Y., a corporation of Delaware. Renewed June 25, 1949. BICARBONATE OF SODA FOR USE AS A DENTIFRICE AND A BATH SALT. Class 6.

257,956. "THE FIRST THOUGHT." Registered June 25, 1929. The Norwich Pharmacal Company, Norwich, N. Y., a corporation of New York. Renewed June 25, 1949. MEDICINAL PREPARATIONS—NAMELY, HEALING OINTMENTS FOR EXTERNAL AND INTRA-ORIFICIAL USE, ETC. Class 6.

258,325. "HANSON-VAN WINKLE-MUNNING CO." ETC. AND DESIGN. Registered July 2, 1929. Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey. Renewed July 2, 1949. ELECTROPLATING APPARATUS AND PARTS THEREOF CONSISTING OF ELECTRIC POLISHERS, BUFFERS, ETC. Class 21.

258,351. BEAUTY. Registered July 2, 1929. The Defiance Dairy Products Company. Renewed July 2, 1949, to Defiance Milk Products Company, Defiance, Ohio, a corporation of Ohio. EVAPORATED MILK. Class 46.

258,361. "BUELL'S BRIGHTON BLEND" AND DESIGN. Registered July 2, 1929. George C. Buell & Co., Inc., Rochester, N. Y., assignor to Wm. S. Scull Company. Renewed July 2, 1949, to Wm. S. Scull Company, Camden, N. J., a corporation of New Jersey. TEA. Class 46.

258,362. REPRESENTATION OF LADY WITH CUP. Registered July 2, 1929. George C. Buell & Co., Inc., Rochester, N. Y., assignor to Wm. S. Scull Company. Renewed July 2, 1949, to Wm. S. Scull Company, Camden, N. J., a corporation of New Jersey. TEA AND COFFEE. Class 46.

258,500. POLAR STAR FELT. Registered July 9, 1929. Graham Paper Company, St. Louis, Mo., a corporation of Missouri. Renewed July 9, 1949. CARPET FELT. Class 50.

258,549. "HANCOCK" AND REPRESENTATION OF SWINGING SIGN. Registered July 9, 1929. Hancock Paint & Varnish Company, Atlantic, Mass. Renewed July 9, 1949, to Hancock Paint & Varnish Company, North Quincy, Mass., a corporation of Massachusetts. PAINTS (IN PASTE AND READY-MIXED FORM) AND VARNISHES. Class 16.

258,603. AMBASSADOR. Registered July 9, 1929. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed July 9, 1949. WATCHES. Class 27.

259,264. GOLD DUST. Registered July 30, 1929. F. S. Royster Guano Co., Norfolk, Va., a corporation of Virginia. Renewed July 30, 1949. FERTILIZER. Class 10.

259,361. TITAN-O-ZIN. Registered July 30, 1929. The Glidden Company, Cleveland, Ohio, a corporation of Ohio. Renewed July 30, 1949. READY-MIXED PAINTS AND ENAMELS. Class 16.

259,567. "PARANAP" AND HEAVY UNDERLINE. Registered July 30, 1929. The White Tar Company of New Jersey, Inc., Kearny, N. J. Renewed July 30, 1949, to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware. COMPOSITIONS OF MATTER IN BLOCK, POWDER, OR OTHER FORM USED AS INSECTICIDES AND DEODORIZERS. Class 6.

259,589. RUSCO DURAK. Registered Aug. 6, 1929. The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut. Renewed Aug. 6, 1949. BRAKE LINERS. Class 35.

259,675. AIRTONE. Registered Aug. 6, 1929. Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York. Renewed Aug. 6, 1949. NEGLIGEE AND DRESS SHIRTS. Class 39.

259,682. CHEVY. Registered Aug. 6, 1929. Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York. Renewed Aug. 6, 1949. COLLARS. Class 39.

259,706. COTYTAN. Registered Aug. 6, 1929. Coty, Inc., Wilmington, Del., and New York, N. Y. Renewed Aug. 6, 1949, to Coty, Inc., New York, N. Y., a corporation of Delaware. PREPARATION IN LIQUID FORM USED FOR EMBELLISHING AND IMPROVING THE APPEARANCE OF THE SKIN AND KNOWN AS A LIQUID POWDER AND TOILET POWDER. Class 6.

259,736. "UNION" ETC. AND REPRESENTATION OF SPOOL HOLDING WIRE OR CABLE. Registered Aug. 6, 1929. Union Wire Rope Corporation, Tulsa, Okla. Renewed Aug. 6, 1949, to Union Wire Rope Corporation, Kansas City, Mo., a corporation of Delaware. WIRE ROPE AND WIRE-ROPE CABLES AND FOR HIGH CARBON WIRE MANUFACTURED FOR WIRE-ROPE PURPOSES. Class 7.

259,805. 1 X L. Registered Aug. 6, 1929. Workman Packing Company, San Francisco, Calif., a corporation of California. Renewed Aug. 6, 1949. CHICKEN TAMALE, CHILI CON CARNE, ENCHILADAS, RAVIOLIS, MUSHROOM SAUCE, AND CHICKEN BROTH. Class 46.

260,092. MIRACLE. Registered Aug. 13, 1929. Bradford Bros., Inc., Placentia, Calif. a corporation of Nevada. Renewed Aug. 13 1949. FRESH CITRUS FRUITS—NAMELY ORANGES LEMONS AND GRAPEFRUIT. Class 46.

260,201. TRIANON. Registered Aug. 20, 1929. Stern Brothers, New York, N. Y., a corporation of New York. Renewed Aug. 20, 1949. MEN'S, WOMEN'S, AND CHILDREN'S GLOVES OF LEATHER AND FABRIC OR COMBINATIONS THEREOF, ETC. Class 39.

260,222. "THE MILLION DOLLAR HAT". Registered Aug. 20, 1929. Schumm & Snyder, Inc. Renewed Aug. 20, 1949, to Jacob A. Snyder, Brooklyn, N. Y. HEADWARE—NAMELY, DERBIES, STRAW HATS, FELT HATS, AND CAPS FOR MEN AND CHILDREN. Class 39.

260,442. MASTER FARMER. Registered Aug. 27, 1929. Farmer Seed & Nursery Co., Faribault, Minn., a corporation of Minnesota. Renewed Aug. 27, 1949. FIELD, GARDEN, AND FLOWER SEEDS. Class 1.

260,594. "GRAFLEX" ETC. AND DESIGN. Registered Aug. 27, 1929. The Folmer Graflex Corporation. Renewed Aug. 27, 1949, to Graflex, Inc., Rochester, N. Y., a corporation of Delaware. PHOTOGRAPHIC CAMERAS, PHOTOGRAPHIC PLATE AND FILM MAGAZINES, PHOTOGRAPHIC ROLL HOLDERS, PHOTOGRAPHIC FILM-PACK ADAPTERS, PHOTOGRAPHIC PLATE AND FILM HOLDERS, AND CAMERA TRIPODS. Class 26.

260,622. "IRONCLAD" AND DESIGN. Registered Aug. 27, 1929. J. L. Stifel & Sons. Renewed Aug. 27, 1949, to J. L. Stifel & Sons, Inc., Wheeling, W. Va., a corporation of West Virginia. COTTON PIECE GOODS. Class 42.

260,660. SPORTFAIR. Registered Aug. 27, 1929. L. C. Chase & Company, Boston, Mass. Renewed Aug. 27, 1949, to Goodall-Sanford, Inc., Sanford, Maine, a corporation of Maine. RUBBERIZED RAINCOAT FABRICS. Class 42.

260,698. TARMAC. Registered Aug. 27, 1929. American Tar Products Company. Renewed Aug. 27, 1949, to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware. BITUMINOUS TAR PAVING MATERIALS. Class 12.

260,848. "KNOX" ETC. AND HERALDIC DESIGN. Registered Aug. 27, 1929. Knox Hat Company, Inc., New York, N. Y. Renewed Aug. 27, 1949, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. FEATHER HAT ORNAMENTS; DECORATIVE HAT PIECES—NAMELY, BASE METAL PINS, ETC. Class 40.

260,849. KNOX. Registered Aug. 27, 1929. Knox Hat Company, Inc., New York, N. Y. Renewed Aug. 27, 1949, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. FEATHER HAT ORNAMENTS; DECORATIVE HAT PIECES—NAMELY, BASE METAL PINS; STUD SETS NOT OF PRECIOUS METAL; ETC. Class 40.

260,850. KNOX. Registered Aug. 27, 1929. Knox Hat Company, Inc., New York, N. Y. Renewed Aug. 27, 1949, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. CAPS AND HATS FOR MEN, WOMEN, AND CHILDREN, LEATHER GLOVES, AND FABRIC GLOVES, ETC. Class 39.

260,858. BERG. Registered Aug. 27, 1929. F. Berg & Company, Incorporated, Norwalk, Conn., and New York, N. Y. Renewed Aug. 27, 1949, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware. HATS FOR MEN. Class 39.

261,030. "WINTHROP" AND REPRESENTATION OF TORCH ENCLOSED BY CIRCULAR DESIGN. Registered Sept. 3, 1929. Winthrop Chemical Company, Inc. RENEWED Sept. 3, 1949, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware. CHEMICALS, PHARMACEUTICAL PRODUCTS, AND VETERINARY PREPARATIONS COMPRISING ABSORBENTS, ALTERATIVES, AND ANAESTHETICS, ETC. Class 6.

261,041. PROGENE. Registered Sept. 3, 1929. Maternal Health Products, Inc., New York, N. Y., a corporation of New York. Renewed Sept. 3, 1949. POWDER TO DISSOLVE IN INTERNAL DOUCHE TO FACILITATE CONCEPTION. Class 6.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

288,987. QUELARC. Registered Nov. 10, 1931. The Pyle National Company, Chicago, Ill. CIRCUIT BREAKING PLUGS AND RECEPTACLES. Class 21. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "Illinois" should be *New Jersey*.

409,934. SEPTO-LORIS. Registered Oct. 31, 1944. Katz Drug Company, also doing business as Chemtest Laboratories, Kansas City, Mo. ASTRINGENT MOUTHWASH. Class 6. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "Missouri" should be *Delaware*.

442,169. "KC" AND DESIGN. Registered Mar. 1, 1949. Jaques Manufacturing Company, Chicago, Ill. METAL CAPS AND METAL LIDS FOR GLASS JARS. Class 50. Corrected as follows: In the certificate, line 3; and in the statement, line 3, "Illinois" should be *Maine*.

442,170. "KC" AND DESIGN. Registered Mar. 1, 1949. Jaques Manufacturing Company, Chicago, Ill. METAL CAPS AND METAL LIDS FOR GLASS JARS. Class 50. Corrected as follows: In the certificate, line 3; and in the statement, line 3, "Illinois" should be *Maine*.

505,756. HUSSEY. Registered Jan. 18, 1949. Copper Range Company, doing business under the name and style of C. G. Hussey & Company, Painesdale, Mich. COPPER SHEET, COPPER IN ROLLS, COPPER WIRE, ETC. Class 14. Corrected as follows: In the declaration, line 2, before the word "president"; and at the end of the declaration, before the word "President", *Vice* should be inserted.

507,084. FAX-FLASH. Registered Feb. 22, 1949. Triangle Publications, Inc., Philadelphia, Pa. BROADCASTING FACSIMILE EDITIONS OF A NEWSPAPER. Class 55. Corrected as follows: In the certificate, line 3; and in the statement, line 3, "Pennsylvania" should be *Delaware*.

507,307. FAX FEATURE. Registered Mar. 1, 1949. Triangle Publications, Inc., Philadelphia, Pa. BROADCASTING FACSIMILE EDITIONS OF A NEWSPAPER. Class 55. Corrected as follows: In the certificate, line 3; and in the statement, line 3, "Pennsylvania" should be *Delaware*.

507,576. BETTY BRIGHT. Registered Mar. 15, 1949. Parker Manufacturing Company, Warren, Ohio. MOPS. Class 29. Corrected as follows: In the certificate, line 3; and in the statement, line 3, first occurrence, "Ohio" should be *Nevada*.

507,778. MILEY. Registered Mar. 22, 1949. L. J. Miley Company, Chicago, Ill. BRAKE LININGS, CLUTCH FACINGS, AND FAN BELTS. Class 35. Corrected as follows: In the declaration, line 4, after the word "trade-mark" insert *sought* to be *registered*,; line 17, before "applicant" insert *registration is sought under section 2(f) of the act of July 5, 1946, on the ground that the mark has become distinctive of applicant's goods in commerce as*; line 18 for "exclusive and continuous" read *continuous and exclusive*; line 20, strike out "past"; same line after "years" and before the comma insert *next preceding the filing of the application*; lines 21 and 22, strike out "by amendment attached hereto."

Erratum

In the notice of republication under section 12(c) of the Trade-Mark Act of 1946, of Registration No. 437,452, appearing in the OFFICIAL GAZETTE of April 12, 1949, page 405, for "Registered Mar. 23, 1938" read *Registered Mar. 23, 1948*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

332,391. "CHARDON" AND DESIGN. Registered Feb. 11, 1936. Moss Stores, Inc. LADIES' LEATHER GLOVES. Class 39. New certificate under section 7(c) issued May 31, 1949, to I. Magnin & Co., San Francisco, Calif., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 189,943. Registered Sept. 30, 1924. WILLIAM G. SCARLETT, doing business as Wm. G. Scarlett & Co., Baltimore, Md. Republished by registrant.

HARVEST

FOR CLOVER, GRASS, FIELD, AND FORAGE SEEDS.
Claims use since May 4, 1923.

Reg. No. 226,939. Registered Apr. 26, 1927. WILLIAM G. SCARLETT, Baltimore, Md. Republished by registrant.

EMPIRE

FOR GRASS AND FIELD SEEDS.
Claims use since 1898.

Reg. No. 226,940. Registered Apr. 26, 1927. WILLIAM G. SCARLETT, Baltimore, Md. Republished by registrant.

OAK

FOR GRASS AND FIELD SEEDS.
Claims use since 1898.

Reg. No. 226,941. Registered Apr. 26, 1927. WILLIAM G. SCARLETT, Baltimore, Md. Republished by registrant.

ANTLER

FOR GRASS AND FIELD SEEDS.
Claims use since 1898.

Reg. No. 226,946. Registered Apr. 26, 1927. WILLIAM G. SCARLETT, Baltimore, Md. Republished by registrant.

SHIELD

FOR GRASS AND FIELD SEEDS.
Claims use since 1898.

Reg. No. 227,115. Registered Apr. 26, 1927. WILLIAM G. SCARLETT, Baltimore, Md. Republished by registrant.

MAPLE

FOR GRASS AND FIELD SEEDS.
Claims use since 1898.

Reg. No. 229,379. Registered June 28, 1927. WILLIAM G. SCARLETT, doing business as Wm. G. Scarlett & Co., Baltimore, Md. Republished by registrant.

GREENWAY

FOR LAWN AND GRASS SEED.
Claims use since July 28, 1925.

Reg. No. 234,405. Registered Oct. 25, 1927. WILLIAM G. SCARLETT, doing business as Wm. G. Scarlett & Co., Baltimore, Md. Republished by registrant.

ORIOLE BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR GRASS AND FIELD SEEDS.
Claims use since 1898.

Reg. No. 261,841. Registered Sept. 24, 1929. SYNTHANE CORPORATION, Oaks, Pa., a corporation of Delaware. Republished by registrant.

SYNTHANE

FOR LAMINATED PHENOLIC CONDENSATION PRODUCTS.
Claims use since Mar. 13, 1929.

Reg. No. 379,580. Registered July 16, 1940. SHELL OIL COMPANY, INCORPORATED, St. Louis, Mo., a corporation of Virginia. Republished by registrant, present address San Francisco, Calif.

SHELL
DUTREX

FOR PETROLEUM OIL RESINS.
Claims use since Jan. 17, 1940.

Reg. No. 399,472. Registered Jan. 12, 1943. WILLIAM G. SCARLETT, doing business as Wm. G. Scarlett & Co., Baltimore, Md. Republished by registrant.



The drawing is lined for red.
FOR FIELD SEEDS—NAMELY, GRAIN SEEDS, SOY BEAN SEED, COW PEA SEED, GRASS SEEDS, AND CLOVER SEEDS.
Claims use since 1938.

Reg. No. 429,817. Registered May 20, 1947. BRIGGS & COBB, INCORPORATED, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

WEDGEMERE

FOR UPPER LEATHER.
Claims use since Aug. 16, 1944.

Reg. No. 429,818. Registered May 20, 1947. BRIGGS & COBB, INCORPORATED, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

KOMFI KIPS

The word "Kips" is disclaimed apart from the mark as shown.
FOR UPPER LEATHER.
Claims use since July 6, 1943.

Reg. No. 429,826. Registered May 20, 1947. BRIGGS & COBB, INCORPORATED, Boston, Mass., a corporation of Massachusetts. Republished by registrant.



FOR UPPER LEATHER.
Claims use since Dec. 1, 1910.

Reg. No. 438,105. Registered Apr. 6, 1948. E. CLEMENS HORST CO., San Francisco, Calif. a corporation of New Jersey. Republished by registrant.

Horst's

FOR HOPS AND LUPULIN.
Claims use since on or about July 2, 1892.

CLASS 2

RECEPTACLES

Reg. No. 206,047. Registered Nov. 24, 1925. BROWN & BAILEY COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR FOLDING PAPER BOXES, CARTONS, AND CONTAINERS.
Claims use since on or about June 12, 1925.

Reg. No. 412,969. Registered Apr. 3, 1945. THE MARISON COMPANY, Elgin, Ill., a corporation of Illinois. Republished by registrant, present address South Elgin, Ill.



FOR METAL GAS CYLINDERS SOLD EMPTY TO THE TRADE.
Claims use since on or about June 1942.

Reg. No. 425,725. Registered Dec. 3, 1946. RIVER RAISIN PAPER COMPANY, Monroe, Mich., a corporation of Michigan. Republished by registrant.



The words "Paper Company" are disclaimed apart from the mark as shown.
FOR CORRUGATED AND SOLID FIBRE SHIPPING CASES AND CARTONS.
Claims use since June 1, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 72,713. Registered Feb. 16, 1909. LEONARDO GRASIADEI, New York, N. Y. Republished by Yankee Polish Co. Inc., New York, N. Y., a corporation of New York.

UNCLE SAM



FOR LEATHER DRESSING AND POLISHES.
Claims use since Apr. 15, 1908.

Reg. No. 268,770. Registered Mar. 18, 1930. YANKEE POLISH CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

YANKEE



FOR DRY CLEANER.
Claims use since January 1926.

Reg. No. 311,231. Registered Mar. 20, 1934. YANKEE POLISH CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

YANKEE

FOR SHOE BLACKING, SHOE DRESSING, SHOE POLISH, AND POLISH FOR ALL LEATHER GOODS.
Claims use since September 1916.

Reg. No. 370,563. Registered Aug. 29, 1939. F. UDDO & SONS, New Orleans, La., a firm. Republished by registrant.



The words "Sure Klean" are disclaimed apart from the mark as shown.
FOR BLEACH, DISINFECTANT, DEODORANT, AND CLEANSER.
Claims use since 1930.

Reg. No. 438,263. Registered Apr. 13, 1948. ARMSTRONG GROCERY COMPANY, Sharon, Pa., a corporation of Pennsylvania. Republished by registrant.

Baby Rose

FOR SOAP.
Claims use since 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 44,715. Registered July 18, 1905. NATIONAL TOILET COMPANY, Paris, Tenn., a corporation of Tennessee. Republished by registrant.



FOR FACE POWDER.
Claims use since May 1892.

Reg. No. 44,716. Registered July 18, 1905. NATIONAL TOILET COMPANY, Paris, Tenn., a corporation of Tennessee. Republished by registrant.



FOR COSMETIC CREAM.
Claims use since Oct. 1, 1904.

Reg. No. 47,748. Registered Nov. 21, 1905. FRENCH LICK SPRINGS HOTEL CO., French Lick, Ind. Republished by Pluto Corporation, French Lick, Ind., a corporation of Delaware.



FOR MINERAL WATERS.
Claims use since Jan. 1, 1893.

Reg. No. 47,749. Registered Nov. 21, 1905. FRENCH LICK SPRINGS HOTEL CO., French Lick, Ind. Republished by Pluto Corporation, French Lick, Ind., a corporation of Delaware.



FOR MINERAL WATERS.
Claims use since Jan. 1, 1893.

Reg. No. 47,750. Registered Nov. 21, 1905. FRENCH LICK SPRINGS HOTEL CO., French Lick, Ind., a corporation of Delaware. Republished by Pluto Corporation, French Lick, Ind.



FOR MINERAL WATERS.
Claims use since Jan. 1, 1893.

Reg. No. 47,879. Registered Nov. 28, 1905. FRENCH LICK SPRINGS HOTEL CO., French Lick, Ind., a corporation of Delaware. Republished by Pluto Corporation, French Lick, Ind.

PLUTO

FOR MINERAL WATERS.
Claims use since Jan. 1, 1893.

Reg. No. 104,924. Registered June 29, 1915. AMERICAN DRUG & PRESS ASSOCIATION, Decorah, Iowa, a corporation of Tennessee. Republished by National Toilet Company, Paris, Tenn.

Meritol

FOR TOOTHACHE-DROPS, SORE THROAT, COLD-CREAM, TOOTH PASTE, RHEUMATISM-POWDERS, ECZEMA-OINTMENT, SALVE, CASTOR-OIL, WHITE LINIMENT, SHAMPOO-PASTE, TOOTH-POWDER, ALMOND-CREAM, HAIR-TONIC, COUGHS, COLDS, CROUP, HOARSENESS, WHOOPING-COUGH, BRONCHITIS, AND INFLUENZA.
Claims use since January 1910.

Reg. No. 144,874. Registered July 19, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by Allied Chemical & Dye Corporation, New York, N. Y.

NUTTA

FOR DYESTUFFS—NAMELY, CERTIFIED FOOD-COLORS.
Claims use since Oct. 5, 1920.

Reg. No. 144,875. Registered July 19, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by Allied Chemical & Dye Corporation, New York, N. Y.

MINTA

FOR DYESTUFFS—NAMELY, CERTIFIED FOOD-COLORS.
Claims use since Oct. 18, 1920.

Reg. No. 144,876. Registered July 19, 1921. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by Allied Chemical & Dye Corporation, New York, N. Y.

CONCORA

FOR DYESTUFFS—NAMELY, CERTIFIED FOOD-COLORS.
Claims use since Oct. 5, 1920.

Reg. No. 207,819. Registered Jan. 12, 1926. NATIONAL TOILET COMPANY, Paris, Tenn., a corporation of Tennessee. Republished by registrant.

Nadine

FOR VANISHING CREAM, CLEANSING CREAM, DEODORANT CREAM, ALMOND LOTION, HAIR SHAMPOO, TALCUM POWDER, AND POWDER COMPACT.
Claims use since Apr. 1, 1925.

Reg. No. 215,149. Registered July 13, 1926. NATIONAL TOILET COMPANY, Paris, Tenn., a corporation of Tennessee. Republished by registrant.

Southern Flowers

FOR FACE POWDERS, BLEACH CREAM, TISSUE AND WRINKLE CREAM, CREME LOTION, ASTRINGENT LOTION, TALCUM POWDER, PERFUMES, ROUGE COMPACT, FACE POWDER COMPACT, LIP ROUGE, AND VANISHING CREAMS.
Claims use since Sept. 24, 1923.

Reg. No. 230,731. Registered Aug. 2, 1927. CHARLES J. JOHNSON, doing business as Johnson Manufacturing Company, Chicago, Ill., a corporation of Iowa. Republished by Johnson Manufacturing Co., Inc., Mt. Vernon, Iowa.



FOR SOLDERING FLUID.
Claims use since March 1918.

Reg. No. 249,128. Registered Nov. 6, 1928. ANEST DOXAKIS, Haynesville, La. Republished by registrant, present address Houston, Tex.



Anest Doxakis

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF SYPHILIS, GONORRHEA, FISTULA, AND SKIN DISEASES.
Claims use since Apr. 15, 1927.

Reg. No. 253,125. Registered Feb. 19, 1929. PEOPLES DRUG STORES, INC., also doing business as Shur-Fyre Products Company, Washington, D. C., a corporation of Maryland. Republished by registrant.

SHUR-FYRE

FOR SPIRITS FOR FILLING POCKET CIGARETTE AND CIGAR LIGHTERS.
Claims use since Sept. 1, 1927.

Reg. No. 253,361. Registered Feb. 26, 1929. ROXANA PETROLEUM CORPORATION, St. Louis, Mo. Republished by Shell Oil Company, Incorporated, San Francisco, Calif., a corporation of Virginia.

SHELL-ANE

FOR GAS IN PORTABLE TANKS FOR THE PRODUCTION OF LIGHT, HEAT, AND POWER.
Claims use since about Aug. 6, 1928.

Reg. No. 269,325. Registered Apr. 1, 1930. FLORIAN, INC., Des Moines, Iowa. Republished by The Armand Company, a corporation of Iowa, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

ZesT

FOR AFTER-SHAVING LOTION.
Claims use since June 25, 1929.

Reg. No. 306,672. Registered Sept. 26, 1933. HENRY J. BROWNSTEIN, doing business as Hysan Products Company, Chicago, Ill. Republished by Hysan Products Company, Chicago, Ill., a corporation of Illinois.

HYSAN

FOR DISINFECTANTS AND INSECTICIDES.
Claims use since Apr. 1, 1931.

Reg. No. 339,590. Registered Oct. 13, 1936. CHICAGO PHARMACAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

HEMATONE

FOR TONIC FOR NERVOUSNESS, DEBILITY AND IMPOVERISHED BLOOD.
Claims use since Nov. 1, 1900.

Reg. No. 343,858. Registered Mar. 9, 1937. SUNCLYME HOUSE, INC., Miami, Fla. Republished by National Toilet Company, Paris, Tenn., a corporation of Tennessee.

Sunclyme

FOR COSMETIC PREPARATIONS—NAMELY, LOTIONS AND CREAMS.
Claims use since June 22, 1936.

Reg. No. 347,284. Registered June 22, 1937. ALROSA CHEMICAL COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant, present address Cranston, R. I.



FOR SALTS FOR THE TREATMENT OF FERROUS METAL SURFACES, IN CONNECTION WITH OXIDIZING WITH OR WITHOUT ELECTRICAL CURRENT.
Claims use since Jan. 6, 1935.

Reg. No. 364,381. Registered Jan. 31, 1939. CALISTE V. WILSON, doing business as Cottle-Wilson Laboratories, North Hollywood, Calif. Republished by E. C. Lients, Inc., Fillmore, Calif., a corporation of California.

Hydrosulphosol

(Wilson)

The surname "Wilson" is disclaimed apart from the mark as shown.
FOR COLLOIDAL SULPHUR SOLUTION, FOR INTERNAL CONSUMPTION, BATHS, AND ENEMA.
Claims use since Oct. 15, 1936.

Reg. No. 370,563. Registered Aug. 29, 1939. F. UNDO & SONS, New Orleans, La., a firm. Republished by registrant.



The words "Sure Klean" are disclaimed apart from the mark as shown.
FOR BLEACH, DISINFECTANT, DEODORANT, AND CLEANSER.
Claims use since 1930.

Reg. No. 375,560. Registered Feb. 20, 1940. SHELL OIL COMPANY, INCORPORATED, St. Louis, Mo., a corporation of Virginia. Republished by registrant, present address San Francisco, Calif.

SHELLZONE

FOR ANTI-FREEZE SOLUTIONS.
Claims use since July 22, 1939.

Reg. No. 422,300. Registered July 16, 1946. EVELYN WESTALL, doing business as Evelyn Westall Co., New York, N. Y. Republished by registrant.

GAY DIVERSION

FOR PERFUMERY.
Claims use since Jan. 27, 1945.

Reg. No. 424,754. Registered Oct. 22, 1946. WALTER KALIETA, New Brunswick, N. J. Republished by registrant.



The word "Algesic" is disclaimed apart from the mark as shown. The drawing is lined for red and blue.
FOR LINIMENT FOR THE RELIEF OF MUSCULAR DISCOMFORT.
Claims use since Dec. 5, 1945.

Reg. No. 434,440. Registered Nov. 18, 1947. DIXIE LABORATORIES, INC., Martinsville, Va., a corporation of Virginia. Republished by registrant.

Pilare

FOR TOPICAL ANESTHETIC.
Claims use since Mar. 19, 1948.

Reg. No. 439,042. Registered June 1, 1948. THE RAT BISCUIT COMPANY, Springfield, Ohio, a corporation of Ohio. Republished by registrant.

RAT STOP

The word "Rat" is disclaimed apart from the mark as shown.
FOR RAT EXTERMINATING POWDER.
Claims use since Oct. 21, 1946.

CLASS 7

CORDAGE

Reg. No. 54,721. Registered June 26, 1906. PLYMOUTH CORDAGE COMPANY, Plymouth, Mass., a corporation of Massachusetts. Republished by registrant.

PLYMOUTH

FOR FIBROUS AND TEXTILE ROPE AND TWINE.
Claims use since prior to 1885.

Reg. No. 92,577. Registered July 15, 1913. PLYMOUTH CORDAGE COMPANY, Plymouth, Mass., a corporation of Massachusetts. Republisehd by registrant.

PREMAX

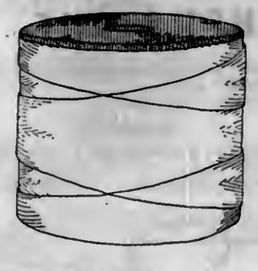
FOR FIBROUS AND TEXTILE ROPE AND TWINE.
Claims use since Nov. 23, 1912.

Reg. No. 95,144. Registered Feb. 3, 1914. PLYMOUTH CORDAGE COMPANY, Plymouth, Mass., a corporation of Massachusetts. Republished by registrant.

PILGRIM

FOR FIBROUS AND TEXTILE ROPE AND TWINE.
Claims use since Sept. 10, 1913.

Reg. No. 251,310. Registered Jan. 1, 1929. PLYMOUTH CORDAGE COMPANY, Plymouth, Mass., a corporation of Massachusetts. Republished by registrant.



No exclusive claim is made to the representation of the ball per se. The lines in the disk at the top of the figure indicate red.
FOR BINDER TWINE.
Claims use since Oct. 18, 1927.

Reg. No. 430,291. Registered June 10, 1947. PLYMOUTH CORDAGE COMPANY, Plymouth, Mass., a corporation of Massachusetts. Republished by registrant.

GREEN TOP

FOR BINDER TWINE MADE OF VEGETABLE HARD FIBRE.
Claims use since November 1931.

Reg. No. 439,580. Registered July 6, 1948. TUBBS CORDAGE COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.



FOR ROPES, CORDS, AND TWINES MADE FROM HARD FIBRES.
Claims use since abnut Jan. 1, 1925.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 234,334. Registered Oct. 25, 1927. HENRY LEDERER & BRO. INC., Providence, R. I. Republished by Reibling-Lewis, Inc., Providence, R. I., a corporation of Rhode Island.

GOLDEN WHEEL

FOR PYROPHORIC POCKET CIGAR LIGHTERS.
Claims use since Feb. 18, 1927.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 436,516. Registered Feb. 10, 1948. ARMSTRONG GROCERY COMPANY, Sharon, Pa., a corporation of Pennsylvania. Republished by registrant.

Baby Rose

FOR MATCHES.
Claims use since 1943.

CLASS 10

FERTILIZERS

Reg. No. 96,329. Registered Apr. 14, 1914. THE PACIFIC GUANO & FERTILIZER CO., Honolulu, Territory of Hawaii. Republished by Pacific Chemical and Fertilizer Company, Honolulu, Territory of Hawaii, a corporation organized under the laws of the Territory of Hawaii.

GAVIOTA

FOR FERTILIZERS.
Claims use since Jan. 1, 1912.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 74,139. Registered June 22, 1909. THE LAWRENCE CEMENT COMPANY OF PENNSYLVANIA, Siegfried, Pa. Republished by Lawrence Portland Cement Company, New York, N. Y., a corporation of Pennsylvania.

DRAGON

FOR BUILDING CEMENT.
Claims use since 1887.

Reg. No. 74,234. Registration June 29, 1909. THE LAWRENCE CEMENT COMPANY OF PENNSYLVANIA, Siegfried, Pa. Republished by Lawrence Portland Cement Company, New York, N. Y., a corporation of Pennsylvania.



FOR BUILDING CEMENT.
Claims use since 1889.

Reg. No. 218,427. Registered Sept. 26, 1926. NEWPORT ROLLING MILL CO., Newport, Ky. Republished by International Detroit Corporation, Detroit, Mich., a corporation of Indiana.



The descriptive slogans "Genuine Open Hearth Iron" and "Pure Iron-Copper Alloy" are disclaimed apart from the mark as shown.
FOR BUILDING MATERIAL OF GALVANIZED-IRON SHEETS, BLACK IRON SHEETS, PAINTED IRON SHEETS, AS FOLLOWS—TO WIT, CORRUGATED RIDGE ROLLS, CORRUGATED SIDE-WALL FLASHINGS, CORRUGATED END-WALL FLASHINGS, CORRUGATED AWNING SHEETS, CORRUGATED ARCHES AND CURVED SHEETS FOR USE IN ARCHED CONSTRUCTION, CORRUGATED SHEETS WITH V-CRIMP EDGES, CORRUGATED PRESSED STANDING-SEAM ROOFING, V-CRIMP ROOFING; MIDDLE OR THREE-V-CRIMP ROOFING, FOUR-V-CRIMP ROOFING, FIVE-V-CRIMP ROOFING, SIX-V-CRIMP ROOFING, PRESSED STANDING-SEAM ROOFING, PRESSED STANDING-SEAM ROOFING WITH CENTER CRIMP, BEADED V-CRIMP ROOFING, BEADED PRESSED STANDING-SEAM ROOFING, CORNER MOLDING, CORNICE STRIPS, WEATHERBOARD SIDING, METAL CORNER BOARDS, PANEL SIDING, PRESSED-BRICK SIDING, ROCK-FACED BRICK SIDING, CORNER STRIPS, AND PILASTERS; ROCK-FACED STONE SIDING, PLANE RIDGE ROLLS, PLANE ANGLE RIDGE CAPS, BARN-DOOR-TRACK COVERS, DOOR AND WINDOW CASING STRIPS, DOOR AND WINDOW SILLS, BASEBOARDS, ORNAMENTAL METAL SHINGLES, HIP SHINGLES, SHINGLE RIDGE ROLLS, FORMED SHINGLE VALLEYS, CORNER FINISHING STRIPS, GABLE-END FINISHING STRIPS; PORCH FLASHING STRIPS, FINIALS, AND CRESTING BLOCKS; WALL TIES, SINGLE AND DOUBLE BEADED EAVES TROUGHS PROVIDED WITH LAP JOINTS, SINGLE AND DOUBLE BEADED EAVES TROUGHS PROVIDED WITH SLIP JOINTS; EAVES TROUGH END PIECES, CAP, AND OUTLETS; EAVES-TROUGH MITERS AND BOX GUTTERS, SELF-CAPPING ROLL ROOFING, ROLL AND CAP ROOFING.
Claims use since April 20, 1925.

Reg. No. 281,735. Registered Mar. 24, 1931. UNITED STATES LIME PRODUCTS CORPORATION, San Francisco, Calif., a corporation of Nevada. Republished by registrant, present address Los Angeles, Calif.



The words "Lime Products" are disclaimed apart from the mark as shown.
FOR HYDRATED LIME.
Claims use since Sept. 3, 1930.

Reg. No. 298,146. Registered Apr. 12, 1932. PORCELAIN TILE COMPANY, Warren, Ohio. Republished by Clyde Porcelain Steel Corporation, Clyde, Ohio., a corporation of Ohio.

VEOS

FOR TILES, FOUNDATION SHEETS FOR TILES, AND CEMENT FOR USE IN AFFIXING TILES TO FOUNDATION SHEETS.
Claims use since July 18, 1931.

Reg. No. 325,864. Registered July 9, 1935. THE NEWPORT ROLLING MILL CO., Newport, Ky. Republished by International Detroit Corporation, Detroit, Mich., a corporation of Indiana.

GLOBE DREAD

The word "Lap" is disclaimed apart from the mark as shown.
FOR CORRUGATED IRON AND STEEL ROOFINGS AND SIDINGS, V-CRIMP ROOFINGS,—VIZ., MIDDLE OR 3 V-CRIMP ROOFING, 4 V-CRIMP ROOFING, 5 V-CRIMP ROOFING, AND 6 V-CRIMP ROOFING.
Claims use since July 1, 1934.

Reg. No. 439,100. Registered June 1, 1948. FABCRETE CORPORATION, Richmond, Va., a corporation of Virginia. Republished by registrant.

FABCRETE

The representation of the goods is disclaimed apart from the mark as shown.
FOR BUILDING UNITS MADE OF CEMENT, REINFORCED STEEL, AND ANY SUITABLE MATERIAL TO FORM A REINFORCED CONCRETE FLOOR, WALL, OR ROOF UNIT.
Claims use since Feb. 13, 1947.

CLASS 13

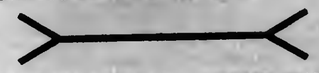
HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 63,003. Registered June 4, 1907. LINK-BELT COMPANY, Chicago, Ill., Philadelphia, Pa., and Indianapolis, Ind., a corporation of Illinois. Republished by registrant, present address Chicago, Ill.



FOR DRIVE CHAINS AND CONVEYER CHAINS.
Claims use since 1902.

Reg. No. 63,052. Registered June 4, 1907. LINK-BELT COMPANY, Chicago, Ill., Philadelphia, Pa., and Indianapolis, Ind., a corporation of Illinois. Republished by registrant, present address Chicago, Ill.



FOR DRIVE CHAINS AND CONVEYER CHAINS.
Claims use since 1898.

Reg. No. 63,503. Registered June 25, 1907. LINK-BELT COMPANY, Chicago, Ill., Philadelphia, Pa., and Indianapolis, Ind., a corporation of Illinois. Republished by registrant, present address Chicago, Ill.

LINK BELT

FOR DRIVE CHAINS, CONVEYER CHAINS, AND CHAIN CABLES.
Claims use since 1880.

Reg. No. 77,497. Registered Apr. 12, 1910. THE TURNER BRASS WORKS, Sycamore and Chicago, Ill., a corporation of Illinois. Republished by registrant, present address Sycamore, Ill.

-TURNER-

FOR BRASS COCKS, VALVES, ELBOWS, T'S, CROSSES, UNIONS, PIPE-FLANGES AND PIPE-COUPLINGS; BROSS OFFICE RAILING AND GATES; BRASS, STEEL, COPPER, AND ALUMINUM THRESHOLDS, STAIR-NOSINGS, KICK-PLATES, AND PUSH-PLATES; BRONZE GRILLES, HINGES, AND HASPS; BRASS DOOR GUARD-RAILINGS; METAL HAND-RAILINGS, POSTS, AND RAILING ENDS; CLEATS, SHOCKS, SHEET-TRAVELERS, BOBSTAYS, EYE-PLATES, RIDING-BITS, BOLLARDS, RUDDER YOKES, BRACES, AND GUDGEONS; PORT AND DECK LIGHT FRAMES, DECK-PLATES, MAST-PLATES, BOW-SHOCKS, AND POLE HOLDERS AND SOCKETS; CHAIN PIPE AND CHAIN DECK IRONS, ANCHOR-ROPE LEADERS, CHAIN LEADERS, CABIN-DOOR HINGES AND HASPS, SKY-LIGHT QUADRANTS AND RAISERS, ICE-BOX LEVERS AND HINGES, COAT AND HAT HOOKS, CENTERBOARD PAWLS AND RATCHETS, MAST BANDS OR WITHES, GAFF AND BOOM BANDS, BOOM-PLATE TRAVELERS, GOOSE-NECKS, TILLER STRAPS, BANDS, AND CAPS; BOW-SPRIT-CAPS, DECK STRAPS, MECHANICAL SIGNAL-BELLS AND BELL-PULLS, BOAT-HOOKS, SHACKLES, THIMBLES AND TURNBUCKLES, MAST AND FLAG-STAFF TOPS AND BALLS, ROPE-RACKS, FOOT-RAILS, DOOR HINGES AND KNOBS, FOOT-PLATES, MONOGRAMS, AND SPARE-TIRE HOLDERS AND BRACKETS, ALL THE ABOVE-NAMED GOODS BEING METALLIC.
Claims use since Jan. 1, 1884.

Reg. No. 183,840. Registered May 6, 1924. HUNT, HELM, FERRIS & CO., Harvard, Ill. Republished by Starline Inc., Harvard, Ill., a corporation of Illinois.

Seal-Tite

FOR TRACK FOR GARAGE AND BARN DOORS.
Claims use since October 1919.

Reg. No. 211,602. Registered Apr. 20, 1926. NEWPORT ROLLING MILL CO., Newport, Ky. Republished by International Detroit Corporation, Detroit, Mich., a corporation of Indiana.

GENUINE OPEN HEARTH IRON GOHI PURE IRON - COPPER ALLOY

The descriptive slogans "Genuine Open Hearth Iron" and "Pure Iron-Copper Alloy" are disclaimed apart from the mark as shown.
FOR CORRUGATED CULVERTS, PLAIN CONDUCTOR PIPES, ROUND CORRUGATED CONDUCTOR PIPES, SQUARE CORRUGATED CONDUCTOR PIPES, PLAIN CONDUCTOR-PIPE ELBOWS AND SHOES, ROUND CORRUGATED CONDUCTOR-PIPE ELBOWS AND SHOES, SQUARE CORRUGATED CONDUCTOR-PIPE ELBOWS AND SHOES.
Claims use since Apr. 20, 1925.

Reg. No. 220,198. Registered Nov. 2, 1926. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

RC

FOR CHAINS.
Claims use since about Jan. 1, 1922.

Reg. No. 293,974. Registered May 10, 1932. CRANE CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

CRANE

FOR HEATING MATERIALS—NAMELY, CHECK VALVES, STOP VALVES, AND GATE VALVES; SCREWED AND FLANGED PIPE FITTINGS, COCKS, STOP CHECK VALVES, EMERGENCY VALVES, BUTTERFLY VALVES, THROTTLE VALVES, BALANCED VALVES, PRESSURE REGULATORS, TEMPERATURE CONTROL VALVES, RELIEF VALVES, EXHAUST RELIEF VALVES, SAFETY VALVES, BLOWOFF VALVES, BACK PRESSURE VALVES; BOILER TRIMMINGS—NAMELY, FUSIBLE PLUGS, UNION FITTINGS, GAUGE COCKS, DRAIN COCKS; AND ENGINE TRIMMINGS—NAMELY, CYLINDER COCKS, CYLINDER RELIEF VALVES, GAUGE GLASS VALVES, VENT VALVES, STEAM AND AMMONIA SEPARATORS FOR REMOVING CONDENSATION, OIL SEPARATORS FOR REMOVING OIL FROM STEAM OR AIR, STRAINERS, STEAM TRAPS, EXPANSION PIPE JOINTS, PIPE FLANGES; PIPE [illegible] AND PIPE SUPPORTS, ALL MADE OF BRASS, [illegible].

VALVES, BALL COCKS, AND SUPPLY VALVES, ALL MADE OF BRASS, CAST IRON, MALLEABLE IRON OR OTHER ALLOYS; LAVATORY AND SINK TRAPS MADE OF EARTHENWARE, IRON, OR BRASS; BATH TUBS, SHOWERS, CLOSETS, URINALS, LAVATORIES, SINKS, LAUNDRY WASH TRAYS, FLUSH TANKS; FOUNTAINS AND BATH ROOM TRIMMINGS—NAMELY, CLOTHES HOOKS, SHELVES, TOWEL BARS, HOLDERS FOR TUMBLERS AND SOAP, ALL MADE OF IRON, BRASS, GLASS, MARBLE, WOOD, OR EARTHENWARE.
Claims use since Apr. 1, 1892.

Reg. No. 319,888. Registered Dec. 11, 1934. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SILVERLINK

FOR POWER CHAINS AND CHAIN LINKS.
Claims use since about July 6, 1934.

Reg. No. 322,474. Registered Mar. 5, 1935. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SILVERSTREAK

FOR CHAINS AND CHAIN LINKS.
Claims use since about July 1934.

Reg. No. 406,659. Registered Apr. 18, 1944. METALS SUPPLY COMPANY, INC., Salt Lake City, Utah, a corporation of Utah. Republished by registrant.

"Test Our Mettle" MSC. INC.

The words "Test Our Mettle" are disclaimed apart from the mark as shown.
FOR PLUMBING AND STEAM-FITTING VALVES, METAL PIPE AND PIPE FITTINGS, RIVETS, NAILS, SCREWS, AND SCREW MACHINE PRODUCTS—NAMELY, NUTS AND BOLTS.
Claims use since April 1941.

Reg. No. 417,487. Registered Oct. 30, 1945. STARLINE INC., Harvard, Ill., a corporation of Illinois. Republished by registrant.

CANNON BALL

[illegible] DOOR HANGERS, DOOR TRACKS AND [illegible].
[illegible] use since October, 1939.

Reg. No. 434,584. Registered Nov. 25, 1947. ALBERT ENGONS, Cleveland, Ohio. Republished by registrant.

CLEVALVE

FOR VALVES, FAUCETS, AND PARTS THEREFOR.
Claims use since Apr. 10, 1938.

Reg. No. 439,375. Registered June 22, 1948. A & A SALES CO., Glendale, Calif., a partnership. Republished by registrant.

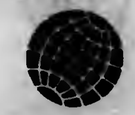
GARDENER'S THUMB

The word "Gardener's" is disclaimed apart from the mark as shown.
FOR HOSE NOZZLES.
Claims use since Sept. 18, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 123,476. Registered Nov. 12, 1918. THE NEWPORT ROLLING MILL COMPANY, Newport, Ky. Republished by International Detrola Corporation, Detroit, Mich., a corporation of Indiana.



FOR CORRUGATED METAL SHEETS AND PLAIN METAL SHEETS.
Claims use since Apr. 13, 1891.

Reg. No. 193,651. Registered Jan. 6, 1925. GENERAL PLATE COMPANY, Attleboro, Mass. Republished by Forstner Chain Corporation, Irvington, N. J., a corporation of New Jersey.

NUMIUM

FOR FERROUS AND NONFERROUS ALLOYS.
Claims use since June 15, 1923.

Reg. No. 212,103. Registered Apr. 27, 1926. NEWPORT ROLLING MILL CO., Newport, Ky. Republished by International Detrola Corporation, Detroit, Mich., a corporation of Indiana.



The descriptive slogans "Genuine Open Hearth Iron" and "Pure Iron-Copper Alloy" are disclaimed apart from the mark as shown.
FOR CORRUGATED METAL SHEETS AND PLAIN METAL SHEETS.
Claims use since April 20, 1925.

Reg. No. 334,596. Registered May 5, 1936. THE NEWPORT ROLLING MILL COMPANY, INC., Newport, Ky. Republished by International Detrola Corporation, Detroit, Mich., a corporation of Indiana.

NEWPORT DE-LUXE METAL

The word "Metal" is disclaimed apart from the mark as shown.
FOR ZINC COATED IRON AND STEEL SHEETING.
Claims use since July 1, 1935.

Reg. No. 391,629. Registered Nov. 18, 1941. THE NEWPORT ROLLING MILL CO., Newport, Ky. Republished by International Detrola Corporation, Detroit, Mich., a corporation of Indiana.



FOR PROCESSED GALVANIZED FERROUS METAL SHEETS.
Claims use since Jan. 1, 1941.

Reg. No. 439,694. Registered July 13, 1948. LANSDOWNE STEEL & IRON COMPANY, Morton, Pa., a corporation of Pennsylvania. Republished by registrant.

LANSCO

FOR METAL FORGINGS.
Claims use since September 1927.

CLASS 15

OILS AND GREASES

Reg. No. 301,513. Registered Mar. 7, 1933. SHELL OIL COMPANY, San Francisco, Calif. Republished by Shell Oil Company, Incorporated, San Francisco, Calif., a corporation of Virginia.

Silver SHELL

FOR LUBRICATING OILS.
Claims use since Oct. 13, 1932.

Reg. No. 324,610. Registered May 21, 1935. SHELL OIL COMPANY, San Francisco, Calif. Republished by Shell Oil Company, Incorporated, San Francisco, Calif., a corporation of Virginia.

SHELL DIESELINE

FOR LIQUID FUEL FOR COMPRESSION IGNITION MOTORS.
Claims use since Dec. 10, 1934.

Reg. No. 332,292. Registered Feb. 11, 1936. SHELL OIL COMPANY, San Francisco, Calif. Republished by Shell Oil Company, Incorporated, San Francisco, Calif., a corporation of Virginia.

GOLDEN SHELL

FOR LUBRICATING OIL.
Claims use since August 1914.

Reg. No. 383,815. Registered Dec. 24, 1940. SHELL OIL COMPANY, INCORPORATED, San Francisco, Calif., a corporation of Virginia. Republished by registrant.

SHELLECTRIC

FOR LUBRICATING OIL AND TRANSFORMER OIL, I. E., OIL USED WITH OIL IMMERSED TRANSFORMERS.
Claims use since May 23, 1940.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 67,886. Registered Feb. 25, 1908. THE CLEVELAND VARNISH COMPANY, Cleveland, Ohio. Republished by John Lucas & Company, Incorporated, Philadelphia, Pa., a corporation of Maryland.

PERMANERE

FOR VARNISHES, JAPANS, VARNISH-OILS, LACQUERS, ENAMELS, AND PAINTS.
Claims use since 1880.

Reg. No. 213,941. Registered June 8, 1926. JOHN LUCAS & COMPANY INCORPORATED, Philadelphia, Pa. Republished by John Lucas & Company, Incorporated, Philadelphia, Pa., a corporation of Maryland.

VELVO-TONE

FOR VARNISHES, STAINS, AND FINISHES.
Claims use since March 1910.

Reg. No. 221,440. Registered Nov. 30, 1926. JAMES B. SIPE & CO., Pittsburgh, Pa., a corporation of Delaware. Republished by registrant.

FLATOIL

The word "Flatoil" is disclaimed apart from the mark as shown.
FOR LIQUID CONTAINING OIL FOR USE IN MIXING PAINTS.
Claims use since October 1916.

Reg. No. 256,526. Registered May 21, 1929. THE FOY PAINT COMPANY, Cincinnati, Ohio. Republished by The Foy Paint Company, Inc., Cincinnati, Ohio, a corporation of Ohio.

PERMADURA

FOR READY-MIXED PAINTS, STAINS, ENAMELS, AND VARNISHES IN WHITE AND DIFFERENT COLORS IN READY-MIXED FORM.
Claims use since Aug. 15, 1912.

Reg. No. 305,819. Registered Aug. 22, 1933. HALL HARDWARE COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

SUPERMIX

All the wording except "Supermix" is disclaimed apart from the mark as shown.

FOR DRY, PASTE, AND READY-MIXED PAINTS AND VARNISHES.

Claims use since Jan. 21, 1932.

Reg. No. 316,965. Registered Sept. 11, 1934. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

International

FOR READY MIXED PAINTS, DRY PAINTS, PASTE PAINTS, COLORS IN OIL, VARNISHES, ANTI-CORROSIVE PAINTS, ANTI-FOULING PAINTS, PAINT ENAMELS, PAINT AND VARNISH REMOVER, COPPER PAINTS, SHELLACS, AND DRIERS.

Claims use since on or about the month of September 1926.

CLASS 19

VEHICLES

Reg. No. 247,992. Registered Oct. 9, 1928. BOEING AIRPLANE COMPANY, Seattle, Wash. Republished by Boeing Airplane Company, Seattle, Wash., a corporation of Delaware.

BOEING

FOR AIRPLANES AND STRUCTURAL PARTS.

Claims use since Oct. 17, 1926.

Reg. No. 248,512. Registered Oct. 23, 1928. HOUDE ENGINEERING CORPORATION, Buffalo, N. Y. Republished by Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan.

HOUDAILLE

FOR AUTOMOBILE ACCESSORIES—NAMELY, SHOCK ABSORBERS.

Claims use since November 1918.

Reg. No. 248,513. Registered Oct. 23, 1928. HOUDE ENGINEERING CORPORATION, Buffalo, N. Y. Republished by Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan.

HOO-DYE

FOR AUTOMOBILE ACCESSORIES—NAMELY, SHOCK ABSORBERS.

Claims use since about September 1930.

Reg. No. 439,448. Registered June 29, 1948. IRVING SIMON, doing business as Alltex Products Company, New York, N. Y. Republished by registrant.

NATIONAL

FOR VEHICULAR BRAKE BLOCKS.

Claims use since on or about May 1, 1935.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 322,066. Registered Feb. 26, 1935. CONDENSER CORPORATION OF AMERICA, Jersey City, N. J., a corporation of New York. Republished by registrant, present address South Plainfield, N. J.

"MIKE"

FOR ELECTROSTATIC CONDENSERS.

Claims use since January 1932.

Reg. No. 368,825. Registered July 4, 1939. SIGNAL ENGINEERING & MFG. CO., New York, N. Y., a corporation of Massachusetts. Republished by registrant.

Wheelock STANDARDS

The word "Standards" is disclaimed apart from the mark as shown.

FOR ELECTRIC SIGNALLING APPARATUS, COMPRISING BELLS, RELAYS, HORNS, CIRCUIT CONTROLLING DEVICES, FIRE ALARM APPARATUS, AND TELEPHONE SIGNAL CALL CODE SETTING DEVICES AND SIGNAL CODE TRANSMITTING DEVICES.

Claims use since Jan. 1, 1937.

Reg. No. 431,183. Registered July 15, 1947. PHOTOSWITCH INCORPORATED, Cambridge, Mass., a corporation of Massachusetts. Republished by registrant.

P

The lining on the drawing is a part of the design of the mark and is not intended to represent color.

FOR ELECTRICAL SIGNAL AMPLIFYING AND/OR RELAYING APPARATUS OPERATED BY PHENOMENA DETECTED PHOTO-ELECTRICALLY OR BY MEANS OF OTHER VARIABLE IMPEDANCE ELEMENTS SUCH AS ELECTRICAL PROBE ELEMENTS IN CONTACT WITH OR DISPOSED TO COME INTO CONTACT WITH AN AGENCY TO BE CONTROLLED; ELECTRICAL PROBE ELEMENTS AND SIMILAR APPARATUS FOR USE WITH SUCH RELAYING AND/OR SIGNAL AMPLIFYING APPARATUS AND ELECTRICALLY OPERATED ILLUMINATION SOURCES FOR USE WITH SAID SIGNAL AMPLIFYING AND/OR RELAY APPARATUS WHEN PHOTOELECTRICALLY OPERATED, THE FOREGOING APPARATUS BEING USED FOR CONTROLLING THE CONDITION OF A CONTROLLED CIRCUIT IN ACCORDANCE WITH THE CONDITION OF A DETECTED PHENOMENON AFFECTING THE OPERATING MEANS; ELECTRICAL TIME METERING DEVICES FOR PROVIDING AN ELECTRICAL SIGNAL OR SIGNALS OF A PREDETERMINED TIME DURATION OR DURATIONS SINGLY OR IN A PREDETERMINED SEQUENCE IN RESPONSE TO A CHANGE IN THE CONDITION OF THE INPUT CIRCUIT THEREOF, SAID TIME METERING DEVICES BEING INTENDED FOR USE ALONE OR IN COOPERATION WITH SAID FOREGOING RELAYING AND/OR AMPLIFYING APPARATUS; AND ELECTRICAL EQUIPMENT HOUSINGS AND PARTS AND ACCESSORIES FOR THE FOREGOING APPARATUS AND DEVICES.

Claims use since June 15, 1939.

Reg. No. 437,320. Registered Mar. 16, 1948. ALBERT & J. M. ANDERSON MANUFACTURING COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

EITHEREND

FOR ELECTRICAL CONNECTORS BOTH SINGLE POLE AND MULTI-POLE, AND HOUSINGS AND CASINGS THEREFOR.

Claims use since on or about Aug. 1, 1935.

Reg. No. 438,127. Registered Apr. 6, 1948. RADIRON CORPORATION, Miamisburg, Ohio, a corporation of Ohio. Republished by registrant.

ROSEBUD

FOR ELECTRIC TOASTERS.

Claims use since Jan. 21, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 252,134. Registered Jan. 22, 1929. S. L. ALLEN & CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR COASTING SLEDS.

Claims use since December 1905.

Reg. No. 400,657. Registered Mar. 23, 1943. SARGO COMPANY, New York, N. Y., a firm. Republished by registrant.



The descriptive word "Ball" and the representation of a ball and checker are disclaimed apart from the mark as shown.

FOR GAME COMPRISING A BOARD AND MOVABLE PLAYING PIECES.

Claims use since Oct. 1, 1942.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 63,609. Registered July 2, 1907. LINK-BELT COMPANY, Chicago, Ill., Philadelphia, Pa., and Indianapolis, Ind., a corporation of Illinois. Republished by registrant, present address Chicago, Ill.

LINK BELT

FOR ENDLESS CHAIN CONVEYING MACHINERY, ENDLESS CHAIN ELEVATING MACHINERY, ENDLESS CHAIN COAL HANDLING MACHINERY, SHEAVES, PULLEYS, AND BEARINGS.

Claims use since 1880.

Reg. No. 65,366. Registered Sept. 24, 1907. SMITH CANNERY MACHINES COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

IRON CHINK

FOR FISH-DRESSING MACHINES.

Claims use since September 1903.

Reg. No. 70,860. Registered Oct. 13, 1908. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

BEAVER

FOR SAWS.

Claims use since July 1905.

Reg. No. 71,983. Registered Dec. 29, 1908. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

MONARCH

FOR SAW SETS.
Claims use since 1896.

Reg. No. 107,494. Registered Dec. 7, 1915. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FLINT-RIM

FOR CAST-METAL MACHINERY-WHEELS.
Claims use since middle of May 1908.

Reg. No. 206,187. Registered Nov. 24, 1925. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

HEXTOP

FOR GREASE CUPS.
Claims use since about July 1, 1925.

Reg. No. 237,280. Registered Jan. 3, 1928. UNITED HOISTING CO., INC., New York, N. Y., a corporation of New York. Republished by registrant, present address Englewood, N. J.

THE PULSE OF THE JOB

FOR HOISTS AND CONCRETE MIXERS.
Claims use since about Mar. 1, 1922.

Reg. No. 261,120. Registered Sept. 3, 1929. NORDBERG MANUFACTURING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

SYMONS CONE CRUSHER



The use of the name "Symons" and the words "Cone Crusher" and the representation of a cone are disclaimed apart from the mark as shown.

FOR CRUSHING MACHINERY FOR USE IN CRUSHING COAL OR STONE, CEMENT AND GRAVEL, AND PARTICULARLY ADAPTABLE FOR USE IN MINING, CEMENT MANUFACTURE, AND ROCK AND GRAVEL WORK.
Claims use since before Dec. 12, 1928.

Reg. No. 262,949. Registered Oct. 29, 1929. INCLINATOR COMPANY OF AMERICA, Harrisburg, Pa., a corporation of Pennsylvania. Republished by registrant.

INCLIN-ATOR

FOR ELEVATORS AND PARTS OF ELEVATORS.
Claims use since June 29, 1925.

Reg. No. 268,302. Registered Mar. 11, 1930. INDUSTRIAL SUPPLY COMPANY, INC., Salt Lake City, Utah, a corporation of Utah. Republished by registrant.

D-PEND-ON

FOR PORTABLE HAND FIRE EXTINGUISHERS, SAWS, KNIVES, FILES, TWIST DRILLS, REAMERS, LATHES, DRILL AND PLANER CHUCKS, TAPS, AND DIES, AND GRINDING WHEELS EXCLUSIVE OF THE GRINDING STONES.
Claims use since June 1, 1928.

Reg. No. 279,454. Registered Jan. 13, 1931. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

AUTOVEYOR

FOR CONVEYORS, TROLLEY CONVEYORS, CONVEYOR SYSTEMS, AND PARTS THEREOF.
Claims use since about June 1, 1930.

Reg. No. 283,646. Registered June 2, 1931. CRESCENT TOOL COMPANY, Jamestown, N. Y., a corporation of New York. Republished by registrant.

CRESTOLOY

FOR HAND TOOLS—NAMELY, WRENCHES, PLIERS, SNIPS, NAIL-PULLERS, SCRATCH AWLS, SCREW DRIVERS, PUNCHES, DRILLS, CHISELS, AND ELECTRICIAN'S CONNECTORS.
Claims use since on or about Sept. 27, 1930.

Reg. No. 299,305. Registered Nov. 29, 1932. CRESCENT TOOL COMPANY, Jamestown, N. Y., a corporation of New York. Republished by registrant.

CRESCENT

FOR WRENCHES AND PARTS, PLIERS, SNIPS, HACK SAW FRAMES AND BLADES, SCREW DRIVERS, TOOL KITS FOR HAND TOOLS SUCH, FOR EXAMPLE, AS A WRENCH, PLIERS, SCREW DRIVER, AND THE LIKE, AND SCRATCH AWLS.
Claims use since 1907.

Reg. No. 303,158. Registered May 16, 1933. CRANE CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

CRANE

FOR AUTOMATIC WATER SYSTEMS, COMPRISING SHALLOW WELL AND DEEP WELL PUMPS AND RECIPROCATING, PLUNGER, TURBINE, ROTARY, CENTRIFUGAL, AND VACUUM PUMPS, ALL MADE OF IRON, BRASS, GLASS, MARBLE, WOOD, OR EARTHENWARE.
Claims use since March 1926.

Reg. No. 322,473. Registered Mar. 5, 1935. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

P.I.V.

FOR VARIABLE SPEED TRANSMISSIONS OR GEARS.
Claims use since about Sept. 10, 1930.

Reg. No. 322,475. Registered Mar. 5, 1935. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

V.R.D.

FOR VARIABLE SPEED TRANSMISSIONS OR GEARS.
Claims use since about Mar. 1, 1934.

Reg. No. 336,862. Registered July 21, 1936. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CIRCULINE

FOR MACHINERY, APPARATUS AND PARTS THEREOF FOR TREATING AND HANDLING SEWAGE AND SLUDGE.
Claims use since Dec. 1, 1935.

Reg. No. 345,412. Registered Apr. 27, 1937. GEO. J. MEYER MANUFACTURING CO., Cudahy, Wis., a corporation of Wisconsin. Republished by registrant.

Cataract

FOR MACHINES TO PASTEURIZE OR COOK FOOD OR BEVERAGES.
Claims use since Apr. 25, 1936.

Reg. oN. 345,614. Registered May 4, 1937. GEO. J. MEYER MANUFACTURING CO., Cudahy, Wis., a corporation of Wisconsin. Republished by registrant.

Dumore

FOR MACHINES TO FILL BOTTLES AND CANS, OR MACHINES TO PASTEURIZE FOOD, MACHINES TO RINSE CONTAINERS PRIOR TO FILLING, AND OTHER MACHINES USED TO PRESERVE FOODS AND BEVERAGES.
Claims use since Jan. 1, 1928.

Reg. No. 420,713. Registered Apr. 30, 1946. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ROTO-LOUVRE

FOR ROTARY HORIZONTAL DRUM TYPE DRYERS AND COOLERS THROUGH WHICH FLOWABLE SOLIDS AND TREATMENT GASES ARE PASSED IN HEAT EXCHANGE RELATION.
Claims use since Apr. 12, 1937.

Reg. No. 439,374. Registered June 22, 1948. THE OILGEAR COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

CYCLEMATIC

FOR VERTICAL BROACHING MACHINES.
Claims use since Sept. 17, 1946.

Reg. No. 439,393. Registered June 22, 1948. B. JADOW, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Vigor

FOR JEWELERS' AND WATCHMAKERS' TWEEZERS, PLIERS, SCREWDRIVERS, SAWS, AND HAND CONSTRUCTING AND DISASSEMBLING TOOLS AND INSTRUMENTS—NAMELY, FRICTION PRESSING TOOLS, GLASS CUTTING TOOL, GRAVERS FOR WATCHMAKERS AND JEWELERS, HAIR SPRINGS COLLET REMOVING TOOL, JEWEL SETTING TOOL, PIVOTING TOOL, POISING TOOL, WINDING TOOL FOR MOVEMENT, AND FOR WATCHES AND WATCH PARTS.
Claims use since March 1928.

Reg. No. 439,709. Registered July 13, 1948. PREMIER APPLIANCE CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

FIRE WARDEN

The word "Fire" and the representation of the goods are disclaimed apart from the mark as shown.

FOR MECHANICAL FIRE ALARM BELL RINGING DEVICES.

Claims use since on or about November 1946.

CLASS 25

LOCKS AND SAFES

Reg. No. 430,722. Registered June 24, 1947. THE EAGLE LOCK COMPANY, Terryville, Conn., and Chicago, Ill., a corporation of Connecticut. Republished by registrant.

EAGLE

FOR CABINET LOCKS—NAMELY, WARDROBE, DOOR, AND CUPBOARD LOCKS; NIGHT LATCHES, SUITCASE AND TRUNK LOCKS, COMBINATION LOCKS, PADLOCKS, DESK LOCKS, KEYS FOR SUCH LOCKS, AND SUITCASE CATCHES.

Claims use since Jan. 1, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 207,686. Registered Jan. 5, 1926. WILSON-MAULDEN CO., INC., New York, N. Y. Republished by Wilson Mechanical Instrument Company, Inc., New York, N. Y., a corporation of New York.

BRALE

FOR HARDNESS TESTER PENETRATORS.

Claims use on or since May 14, 1925.

Reg. No. 234,624. Registered Nov. 1, 1927. AUTOMATIC TICKET REGISTER CORPORATION, New York, N. Y. Republished by General Register Corporation, Long Island City, N. Y., a corporation of New York.

Cancellograph

FOR TICKET PRINTING, REGISTERING, AND ISSUING MACHINES.

Claims use since June 29, 1927.

Reg. No. 438,747. Registered May 11, 1948. SANBORN COMPANY, Cambridge, Mass.; a corporation of Massachusetts. Republished by registrant.

PERMAPAPER

FOR HEAT-SENSITIVE RECORDING PAPER.

Claims use since Nov. 9, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 270,508. Registered May 6, 1930. FORSTNER CHAIN CORPORATION, Irvington, N. J., a corporation of New Jersey. Republished by registrant.

FORSTNERS

FOR WATCHES, CLOCKS, AND PARTS THEREOF.

Claims use since Dec. 16, 1929.

Reg. No. 359,291. Registered Aug. 9, 1938. FORSTNER CHAIN CORPORATION, Irvington, N. J., a corporation of New Jersey. Republished by registrant.

KOMFIT

FOR WATCHES AND WATCH CASES.

Claims use since Sept. 10, 1937.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 97,079. Registered May 19, 1914. WM. A. ROGERS, LIMITED, New York and Niagara Falls, N. Y. Republished by Oneida Ltd., Oneida, N. Y., a corporation of New York.

1881 ROGERS

FOR SILVER-PLATED FLAT AND HOLLOW WARE AND CUTLERY.

Claims use since July 1901.

Reg. No. 144,768. Registered July 19, 1921. FORSTNER CHAIN CORPORATION, Irvington, N. J., a corporation of New Jersey. Republished by registrant.

FOR CHAINS FOR PERSONAL ADORNMENT WHICH ARE MADE OF OR PLATED WITH PRECIOUS METAL.

Claims use since Dec. 1, 1920.

Reg. No. 170,715. Registered July 24, 1923. FORSTNER CHAIN CORPORATION, Irvington, N. J., a corporation of New Jersey. Republished by registrant.

UNION

FOR CHAINS FOR PERSONAL ADORNMENT WHICH ARE MADE OF OR PLATED WITH PRECIOUS METAL.

Claims use since Sept. 1, 1920.

Reg. No. 250,844. Registered Dec. 18, 1928. FULMER & GIBBONS, Philadelphia, Pa. Republished by Fulmer & Gibbons, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

FOR BRACELETS, BROOCHES, BAR PINS, SCARF-PINS, AND RINGS MADE OF PRECIOUS METALS.

Claims use since Feb. 1, 1913.

Reg. No. 356,133. Registered Apr. 12, 1938. FORSTNER CHAIN CORPORATION, Irvington, N. J., a corporation of New Jersey. Republished by registrant.

KOMFIT

FOR WRIST WATCH BRACELETS, WATCH CHAINS, CUFF LINKS, KEY CHAINS, TIE HOLDERS, SHIRT STUDS MADE OF OR PLATED WITH PRECIOUS METAL.

Claims use since September 1937.

Reg. No. 398,027. Registered Oct. 6, 1942. FORSTNER CHAIN CORPORATION, Irvington, N. J., a corporation of New Jersey. Republished by registrant.

F. C. C.

FOR WRIST WATCH BRACELETS, WATCH CHAINS, CUFF LINKS, KEY CHAINS, TIE HOLDERS, SHIRT STUDS, AND ORNAMENTS MADE OF OR PLATED WITH PRECIOUS METAL.

Claims use since 1920.

Reg. No. 435,950. Registered Jan. 20, 1948. BOND DIAMOND COMPANY, New York, N. Y. Republished by Schuman & Donchi, Inc., Newark, N. J., a corporation of New Jersey.

BOND

FOR DIAMONDS AND DIAMOND RINGS.

Claims use since Aug. 4, 1944.

Reg. No. 439,620. Registered July 6, 1948. HOME DECORATORS, INC., Newark, N. Y., a corporation of New York. Republished by registrant.

STATELY

FOR STERLING SILVER FLAT TABLEWARE.

Claims use since May 5, 1947.

Reg. No. 439,621. Registered July 6, 1948. ONEIDA LTD., Sherrill and Oneida, N. Y., a corporation of New York. Republished by registrant, present address Oneida, N. Y.

PACIFIC

FOR SILVERPLATED FLAT TABLEWARE.

Claims use since 1921.

Reg. No. 439,622. Registered July 6, 1948. ONEIDA LTD., Sherrill and Oneida, N. Y., a corporation of New York. Republished by registrant, present address Oneida, N. Y.

Paramount

FOR SILVERPLATED FLAT TABLEWARE.

Claims use since 1933.

Reg. No. 439,623. Registered July 6, 1948. ONEIDA LTD., Sherrill and Oneida, N. Y., a corporation of New York. Republished by registrant, present address Oneida, N. Y.

PARK LANE

FOR SILVERPLATED FLAT TABLEWARE.

Claims use since 1936.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 438,262. Registered Apr. 18, 1948. ARMSTRONG GROCERY COMPANY, Sharon, Pa., a corporation of Pennsylvania. Republished by registrant.

Baby Rose

FOR BROOMS.

Claims use since 1946.

Reg. No. 439,334. Registered June 22, 1948. THE OSBORN MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

MASTER

FOR BRUSH STRIP.

Claims use since 1939.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 377,413. Registered May 7, 1940. HONAN-CRANE, INC., Lebanon, Ind. Republished by Honan-Crane Corporation, Lebanon, Ind., a corporation of Indiana.

<CRANITE>

The drawing is lined for red.

FOR DIATOMACEOUS EARTH FOR FILTERING PURPOSES.

Claims use since Apr. 11, 1938.

Reg. No. 439,167. Registered June 8, 1948. THE CELLULO COMPANY, Sandusky, Ohio, a corporation of Ohio. Republished by registrant.

CELLULO

FOR FILTERING APPARATUS FOR CLARIFYING AND STERILIZING LIQUIDS OF ALL KINDS, AND ASBESTOS FILTER PADS.
Claims use since Apr. 23, 1920.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 282,926. Registered May 5, 1931. JAMESTOWN LOUNGE COMPANY, Jamestown, N. Y., a corporation of New York. Republished by registrant.

FEUDAL OAK

The word "Oak" is disclaimed apart from the mark as shown.
FOR LIVING-ROOM, DINING-ROOM, BEDROOM, AND OFFICE FURNITURE.
Claims use since July 31, 1930.

Reg. No. 363,431. Registered Dec. 27, 1938. CAMDEN FURNITURE COMPANY, Camden, Ark., a corporation of Arkansas. Republished by registrant.

THE BETTER FINISH
CAMVENEER

The words "The Better Finish" are disclaimed apart from the mark as shown.
FOR FURNITURE MADE WHOLLY OR PARTLY OF WOOD AND COMPRISING WOODEN BEDS, DRESSING TABLES, CHESTS OF DRAWERS, DRESSING TABLE BENCHES, VANITY TABLES, DRESSERS, CHIFFOROBES, AND NIGHT STANDS.
Claims use since Jan. 21, 1938.

Reg. No. 369,928. Registered Aug. 8, 1939. SUPERIOR FELT & BEDDING COMPANY, Chicago, Ill. Republished by The Englander Company, Inc., Chicago, Ill., a corporation of Delaware.

SANI-SLEEP

SCIENTIFICALLY HYGIENIZED

The words "Scientifically Hygienized" are disclaimed apart from the mark as shown.
FOR MATTRESSES.
Claims use since Sept. 10, 1935.

Reg. No. 417,420. Registered Oct. 30, 1945. CAMDEN FURNITURE COMPANY, Camden, Ark., a corporation of Arkansas. Republished by registrant.

PLASTIPLY

FOR HOUSEHOLD FURNITURE MADE PARTIALLY OR WHOLLY OF PLASTICS—NAMELY, BEDS, DRESSERS, TABLES, DRESSING TABLES, VANITY TABLES, VANITIES, CHESTS OF DRAWERS, BENCHES, CHIFFOROBES, NIGHT STANDS, BUFFETS, CHAIRS, CORNER, BRACKET, AND WALL SHELVES OF THE SUSPENSION TYPE, WALL BRACKETS, DESKS, CABINETS, CLOTHES CABINETS, END TABLES, DINING TABLES AND DINING ROOM CABINETS, CHINA CABINETS AND SERVING TABLES.
Claims use since Apr. 21, 1944.

Reg. No. 438,762. Registered May 11, 1948. TURNER MFG. COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Fashion Plate

The word "Plate" is disclaimed apart from the mark as shown.
FOR WALL MIRRORS.
Claims use since Dec. 13, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 81,312. Registered Mar. 21, 1911. THE TURNER BRASS WORKS, Sycamore and Chicago, Ill., a corporation of Illinois. Republished by registrant, present address Sycamore, Ill.

TRADE
Double Jet
MARK

FOR GASOLENE-OPERATED TORCHES, BLOWPIPES AND HEATERS, CRUCIBLE-FURNACES, BURNING-KILNS, TINNERS', PLUMBERS', AND CANNERS' FURNACES, LINEMEN'S COMBINATION-FURNACES, BRAZING-FORGES, BLACKSMITHS' FORGES, ILLUMINATING-TORCHES, RAILWAY-JOINT HEATERS, ENAMELING-OVENS, BANDSAW-BRAZING OUTFITS, PORCELAIN-FURNACES, BUNSEN LIGHTS, KEROSENE-OPERATED BRAZERS, AND ALCOHOL-OPERATED BLOWPIPES.
Claims use since the beginning of the year 1894.

Reg. No. 85,526. Registered Feb. 20, 1912. THE TURNER BRASS WORKS, Sycamore and Chicago, Ill., a corporation of Illinois. Republished by registrant, present address Sycamore, Ill.

TRADE MARK
HOT BLAST

FOR GASOLENE-OPERATED TORCHES HAVING A TANK SUITABLE FOR CONTAINING GASOLENE OR ALCOHOL UNDER PRESSURE AND A BURNER HAVING TWO GAS-JETS, ONE OF WHICH IS PROJECTED INTO THE OTHER TO FORM ONE FLAME.
Claims use since the beginning of the year 1894.

Reg. No. 284,823. Registered July 7, 1931. CRANE CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

CRANE

FOR HEATING MATERIALS—NAMELY, BOILERS, RADIATORS, AND WATER HEATERS USING EITHER SOLIDS, LIQUIDS, OR VAPORS AS THE HEATING MEDIUM OR FUEL.
Claims use since May 1, 1925.

Reg. No. 439,300. Registered June 15, 1948. J. L. GILLEN COMPANY, Dowagaic, Mich., a corporation of Michigan. Republished by registrant.



The name "Gillen" is disclaimed apart from the mark as shown. The drawing is lined for black and red.
FOR HOT WATER HEATERS AND FURNACES OPERATED BY FUEL OIL.
Claims use since on or about Dec. 16, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 202,736. Registered Sept. 1, 1925. RUDOLPH ORLOB, doing business as Mountain States Rubber Company, Salt Lake City, Utah. Republished by Mountain States Rubber Company, Inc., Salt Lake City, Utah, a corporation of Utah.

TUFFOID

FOR BELTING, HOSE, ASBESTOS, AND RUBBER PACKINGS AND LACING.
Claims use since Jan. 1, 1924.

Reg. No. 202,737. Registered Sept. 1, 1925. RUDOLPH ORLOB, doing business as Mountain States Rubber Company, Salt Lake City, Utah. Republished by Mountain States Rubber Company, Inc., Salt Lake City, Utah, a corporation of Utah.

MOUNTAIN STATES RUBBER
MSR
MAXIMUM SERVICE RENDERED

The words "Maximum Service Rendered" and "Rubber" are disclaimed apart from the mark as shown.
FOR ASBESTOS AND RUBBER SHEET PACKING.
Claims use since Jan. 1, 1924.

Reg. No. 248,755. Registered Oct. 30, 1928. ATLANTA BELTING COMPANY, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

SEAPLANE

FOR LEATHER BELTING.
Claims use since July 16, 1923.

Reg. No. 291,996. Registered Mar. 1, 1932. KELLY-SPRINGFIELD TIRE COMPANY, New York, N. Y. Republished by The Kelly-Springfield Tire Company, Cumberland, Md., a corporation of Maryland.

CRUISER

FOR AUTOMOBILE TIRES OF RUBBER OR RUBBER AND FABRIC.
Claims use since Oct. 12, 1931.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 72,174. Registered Jan. 5, 1909. THE SCHOMACKER PIANO FORTE MANUFACTURING CO., Philadelphia, Pa. Republished by John Wanamaker Philadelphia, Philadelphia, Pa., a corporation of Pennsylvania.

SCHOMACKER

FOR PIANOS AND PIANOFORTES.
Claims use since on or about Oct. 15, 1894.

CLASS 37

PAPER AND STATIONERY

Reg. No. 82,540. Registered July 4, 1911. SAMUEL WARD COMPANY, Boston, Mass. Republished by Samuel Ward Manufacturing Company, Boston, Mass., a corporation of Massachusetts.

Sawasco

FOR WRITING PAPERS AND ENVELOPES.
Claims use since January 1907.

Reg. No. 154,605. Registered May 27, 1924. SAMUEL WARD MANUFACTURING COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.



FOR WRITING PAPERS AND ENVELOPES.
Claims use since Dec. 18, 1923.

Reg. No. 227,582. Registered May 10, 1927. REEVES & SONS, LTD., London, England, a corporation organized under the laws of Great Britain. Republished by registrant.

GREYHOUND

FOR NOTEBOOKS, CHALK HOLDERS, AND UNGRADED WOODEN RULERS.
Claims use since Mar. 15, 1911.

Reg. No. 236,673. Registered Dec. 20, 1927. THE TISSUE COMPANY, Saugerties, N. Y., a corporation of New York. Republished by registrant.

Nap-Kloth

The word "Kloth" is disclaimed apart from the mark as shown.
FOR PAPER NAPKINS.
Claims use since July 14, 1927.

Reg. No. 246,877. Registered Sept. 18, 1928. HOBERG PAPER AND FIBRE COMPANY, Green Bay, Wis. Republished by Hoberg Paper Mills, Inc., Green Bay, Wis., a corporation of Wisconsin.



The words "For the Bathroom" are disclaimed apart from the mark as shown.
FOR TOILET PAPER, PAPER TOWELS, AND PAPER NAPKINS.
Claims use since Jan. 3, 1928.

Reg. No. 437,057. Registered Mar. 2, 1948. ENVOSTAT DISTRIBUTORS, Cincinnati, Ohio, a firm. Republished by registrant.

ENVOSTAT

FOR COMBINATION ENVELOPE AND STATEMENT FORM.
Claims use since May 28, 1947.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 254,280. Registered Mar. 19, 1929. HEATING JOURNALS, INC., New York, N. Y. Republished by Heating Publishers, Inc., New York, N. Y., a corporation of New York.

Oil Heat

FOR PUBLICATION AT PRESENT ISSUED MONTHLY.
Claims use since Sept. 29, 1928.

Reg. No. 265,256. Registered Dec. 24, 1929. BOSTON PUBLISHING COMPANY, Boston, Mass. Republished by Boston Herald-Traveler Corporation, Boston, Mass., a corporation of Massachusetts.

Tel-U-Where

FOR SECTIONS OR COLUMNS OF DAILY NEWSPAPERS.
Claims use since June 8, 1925.

Reg. No. 368,070. Registered Mar. 28, 1939. NEW YORK EVENING JOURNAL, INC., New York, N. Y. Republished by Hearst Consolidated Publications, Inc., New York, N. Y., a corporation of Delaware.

SMART SET

FOR NEWSPAPER SECTION AND MAGAZINE.
Claims use since Sept. 11, 1938.

Reg. No. 366,649. Registered Apr. 25, 1939. STALEY MILLING COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant, present address North Kansas City, Mo.

CHIX-SKRIP

The word "Skrip" is disclaimed apart from the mark as shown.
FOR REDEEMABLE COUPONS.
Claims use since Sept. 1, 1938.

Reg. No. 384,748. Registered Feb. 4, 1941. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

Life—with Salt
On the Side

FOR NEWSPAPER SECTION.
Claims use since Nov. 24, 1939.

Reg. No. 419,333. Registered Feb. 12, 1946. THE FOREST CITY PUBLISHING COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

CLEVELAND PLAIN DEALER

The word "Cleveland" is disclaimed apart from the mark as shown.
FOR NEWSPAPER.
Claims use since Jan. 7, 1842.

Reg. No. 438,573. Registered May 4, 1948. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR SERIES OF CARTOONS.
Claims use since Mar. 18, 1946.

Reg. No. 439,223. Registered June 8, 1948. DEAR PUBLICATION & RADIO, INC., Jersey City, N. J., a corporation of New Jersey. Republished by registrant.

Washington News Whiffs

The words "Washington" and "News" are disclaimed apart from the mark as shown.
FOR PERIODICAL NEWS COLUMN.
Claims use since Jan. 19, 1946.

Reg. No. 439,396. Registered June 22, 1948. AMERICAN GREETING PUBLISHERS INCORPORATED, Cleveland, Ohio. a corporation of Ohio. Republished by registrant.

Pastelettes

FOR GREETING CARDS.
Claims use since Feb. 1, 1946.

CLASS 39

CLOTHING

Reg. No. 74,923. Registered Aug. 17, 1909. ELSBERG HEYNEMANN CO., San Francisco, Calif., a corporation of California. Republished by registrant.

CAN'T BUST 'EM

FOR OVERALLS, JUMPERS, BLOUSES, COATS, TROUSERS, AND KNEE-PANTS.
Claims use since 1876.

Reg. No. 77,254. Registered Mar. 22, 1910. MARSHALL FIELD & COMPANY, Chicago, Ill. Republished by Henrietta Shoppe, Inc., New York, N. Y., a corporation of New York.

"HENRIETTA"

FOR HOSIERY.
Claims use since about Aug. 30, 1909.

Reg. No. 88,743. Registered Oct. 22, 1912. ELSBERG-HEYNEMANN CO., San Francisco, Calif., a corporation of California. Republished by registrant.



FOR OVERALLS.
Claims use since Feb. 15, 1912.

Reg. No. 121,754. Registered May 28, 1918. BUTLER BROTHERS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

VAL9R

FOR HOSIERY.
Claims use since Dec. 22, 1917.

Reg. No. 124,832. Registered Mar. 18, 1919. ELSBERG-HEYNEMANN CO., San Francisco, Calif., a corporation of California. Republished by registrant.



FOR OVERALLS AND WORK-CLOTHES IN ONE AND TWO PIECE GARMENTS—VIZ., JUMPERS, BLOUSES, COATS, TROUSERS, AND KNEE-PANTS.
Claims use since Oct. 22, 1912.

Reg. No. 149,646. Registered Dec. 20, 1921. BUTLER BROTHERS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

VAL9R

FOR GLOVES OF FABRIC AND OF LEATHER.
Claims use since September 1920.

Reg. No. 160,133. Registered Oct. 17, 1922. MORRIS AUERBACH, doing business as The Auerbach Bath Robe Co., New York, N. Y. Republished by Auerbach Bath Robe Corp., New York, N. Y., a corporation of New York.

AUERBACH

FOR BATH ROBES, PULLMAN AND BEACH ROBES, AND HOUSE ROBES.
Claims use since Jan. 3, 1922.

Reg. No. 182,949. Registered Apr. 22, 1924. BLOEDSER-HEYNEMANN CO., San Francisco, Calif., a corporation of California. Republished by registrant.

CAMPUS CORDS

FOR TROUSERS.
Claims use since Mar. 19, 1922.

Reg. No. 215,898. Registered July 27, 1926. HARRY SALSBURY, doing business as the La Salle Company, Philadelphia, Pa. Republished by Champ Hats, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

LASALLE

FOR MEN'S AND BOYS' HATS AND CAPS.
Claims use since July 7, 1911.

Reg. No. 225,215. Registered Mar. 15, 1927. LEWIS KNITTING COMPANY, Janesville, Wis., a corporation of Wisconsin. Republished by registrant.

LEWIS



GOLF-SUIT

The word "Lewis" is disclaimed apart from the mark as shown.
FOR ATHLETIC UNION SUITS OF KNITTED FABRIC.
Claims use since Sept. 11, 1926.

Reg. No. 240,781. Registered Apr. 10, 1928. WARE SHOALS MANUFACTURING COMPANY, Ware Shoals, S. C. Republished by Riegel Textile Corporation, New York, N. Y., a corporation of Delaware.

KLEEN-WINK

FOR COTTON PILLOW-CASES, COTTON SHEETS, AND COTTON HANDKERCHIEFS.
Claims use since Sept. 1, 1926.

Reg. No. 246,387. Registered Sept. 4, 1928. N. CORAH & SONS LIMITED, Leicester, England, a corporation organized under the laws of Great Britain. Republished by registrant.



FOR HOSIERY, UNDERSHIRTS, PANTS, COMBINATION SHIRT AND PANTS, UNDERDRAWERS, UNION SUITS, CARDIGAN JACKETS, UNDERCOATS, JERSEYS, GLOVES, MITTENS, SWEATERS, JUMPERS, WORK SHIRTS, NEGLIGEE SHIRTS, DRESS SHIRTS, VESTS, PETTICOATS, UNDERSKIRTS, DRESS SKIRTS, BODICES, PELISSES, BLOOMERS, KNICKERS, BLOUSES, APRONS, KNITTED COATS, KNITTED LEGGINGS, GAITERS, OUTERCOATS, CLOAKS, CAPES, TROUSERS, WAISTCOATS, SLEEPING GOWNS AND SUITS, CORSETS, BOYS' AND GIRLS' JERSEY SUITS, BATHING SUITS AND COTUMES, OVERALLS, MUFFLERS, SCARVES, SHAWLS, ALL MADE OF KNITTED OR TEXTILE FABRIC, FOR MEN, WOMEN, AND CHILDREN.
Claims use since June 14, 1923.

Reg. No. 251,026. Registered Dec. 25, 1928. HIGGINBOTHAM-BAILEY-LOGAN COMPANY, Dallas, Tex., and New York, N. Y. Republished by Higginbotham Bailey Company, Dallas, Tex., a corporation of Texas.

Jimmie Dugan

FOR BOYS' DRESS SHIRTS, WORK SHIRTS, NEGLIGEE SHIRTS, BLOUSE SHIRTS, COLLARS, PANTS, SUITS, AND OVERALLS.
Claims use since Jan. 4, 1928.

Reg. No. 268,725. Registered Nov. 12, 1929. KLINE BROTHERS CO., New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR MEN'S, YOUNG MEN'S AND BOYS' COTTON AND FLANNEL WORK SHIRTS, WORK PANTS, OVERALLS, AND OVERALL JACKETS, AND FOR BOYS' AND INFANTS' COTTON AND FLANNEL PLAY SUITS.
Claims use since October 1927.

Reg. No. 273,331. Registered July 29, 1930. BARRON, ANDERSON COMPANY, Boston Mass., a corporation of Massachusetts. Republished by registrant.

STONE-FACE

FOR MEN'S TOPCOATS, OVERCOATS, SUITS, VESTS, AND TROUSERS.
Claims use since Feb. 10, 1930.

Reg. No. 274,921. Registered Sept. 9, 1930. KLINE BROTHERS CO., New York, N. Y., a corporation of Delaware. Republished by registrant.

Lorette

FOR LADIES', MISSES' AND CHILDREN'S SWEATERS AND GLOVES MADE OF SILK, RAYON, COTTON, WOOL, SILK AND WOOL, AND RAYON AND COTTON MATERIAL.
Claims use since March 1929.

Reg. No. 335,801. Registered June 16, 1936. KLINE BROTHERS CO., New York, N. Y., a corporation of Delaware. Republished by registrant.

TAILORED ON FIFTH AVENUE

KLIBROOKE CLOTHES

The words "Tailored on Fifth Avenue" and "Clothes" are disclaimed apart from the mark as shown.
FOR BOYS', STUDENTS', YOUNG MEN'S AND MEN'S SUITS, OVERCOATS, TOPCOATS, TROUSERS, PANTS, JACKETS, AND COATS.
Claims use since February 1935.

Reg. No. 338,595. Registered Sept. 8, 1936. H. O. RONDEAU SHOE CO., INC., Farmington, N. H., a corporation of New Hampshire. Republished by registrant.

SANDALEVE

The word "Sandal" is disclaimed apart from the mark as shown.
FOR LADIES' AND MISSES' SHOES MADE OF LEATHER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF.
Claims use since January 1933.

Reg. No. 345,993. Registered May 11, 1937. PATRICIA PETTICOAT CO., INC., New York, N. Y. Republished by Rhythm Lingerie, Inc., New York, N. Y., a corporation of New York.

TRICKER

FOR LADIES' AND MISSES' CHEMISES, NEGLIGEES, COSTUME SLIPS, PANTIES, BRASSIÈRES, BLOOMERS, NIGHTGOWNS, AND PAJAMAS, MADE OF KNITTED, NETTED, OR WOVEN TEXTILE FABRICS, OF COTTON, LINEN, SILK, ARTIFICIAL SILK, AND ALL MIXTURES OR COMBINATIONS OF SAID MATERIALS.
Claims use since Aug. 12, 1935.

Reg. No. 346,141. Registered May 18, 1937. THE LA SALLE HAT COMPANY, Philadelphia, Pa. Republished by Champ Hats, Inc., Philadelphia, Pa., a corporation of Pennsylvania.



The words "The Lightweight" are disclaimed apart from the mark as shown.
FOR MEN'S AND BOYS' HATS AND CAPS.
Claims use since Oct. 15, 1936.

Reg. No. 351,989. Registered Nov. 16, 1937. BUTLER BROTHERS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

BIG BROTHER



FOR MEN'S AND BOYS' OVERALLS AND JACKETS, ATHLETIC SHIRTS AND SHORTS, WORK SHIRTS, SOCKS, HANDKERCHIEFS, AND GLOVES MADE OF LEATHER OR FABRICS OR COMBINATIONS OF LEATHER AND FABRICS.
Claims use since June 15, 1935.

Reg. No. 355,211. Registered Mar. 8, 1938. LEATHERKRAFT, INC., Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

GENUINE Pony

Thoro'bred of Leathers

The descriptive words "Genuine Pony" and "of Leathers" are disclaimed apart from the mark as shown.
FOR MEN'S AND CHILDREN'S LEATHER JACKETS OF PONY SKIN.
Claims use since April 1936.

Reg. No. 367,140. Registered May 9, 1939. MAISON BLANCHE COMPANY, New Orleans, La., a corporation of Louisiana. Republished by registrant.

Sparklettes

FOR LADIES' WEARING APPAREL—NAMELY, HATS, SHOES, MADE OF RUBBER, LEATHER, OR FABRIC, OR OF A COMBINATION OF SAID MATERIALS, SLIPS, UNDERWEAR, AND NIGHTGOWNS.
Claims use since July 27, 1938.

Reg. No. 375,865. Registered Mar. 5, 1940. ALTSHUL-STERN & CO., New York, N. Y. Republished by Altshul, Stern & Co. Inc., New York, N. Y., a corporation of New York.

GLAMOUR GIRL

FOR HANDKERCHIEFS.
Claims use since Aug. 25, 1939.

Reg. No. 384,226. Registered Jan. 7, 1941. THE STETSON SHOE COMPANY, INCORPORATED, Weymouth, Mass., a corporation of Massachusetts. Republished by registrant, present address South Weymouth, Mass.

Hobnobbers

FOR LEATHER BOOTS AND SHOES.
Claims use since Aug. 20, 1940.

Reg. No. 387,948. Registered June 10, 1941. THE LA SALLE HAT COMPANY, Philadelphia, Pa. Republished by Champ Hats, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

THE Champ

FOR MEN'S AND BOYS' HATS AND CAPS.
Claims use since March 1933.

Reg. No. 391,240. Registered Oct. 28, 1941. BENJAMIN GREENHOLTS, New York, N. Y. Republished by Goldbrooke Modes Inc., New York, N. Y., a corporation of New York.

ZIP ROUNDER

FOR WOMEN'S COATS.
Claims use since June 5, 1941.

Reg. No. 391,689. Registered Nov. 18, 1941. THE LA SALLE HAT COMPANY, Philadelphia, Pa. Republished by Champ Hats, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

MIDDLEWEIGHT Champ

FOR MEN'S AND BOYS' HATS AND CAPS.
Claims use since Feb. 3, 1941.

Reg. No. 392,124. Registered Dec. 9, 1941. THE LA SALLE HAT COMPANY, Philadelphia, Pa. Republished by Champ Hats, Inc., Philadelphia, Pa., a corporation of Pennsylvania.



SKY CHAMP

FOR MEN'S AND BOYS' HATS AND CAPS.
Claims use since June 4, 1941.

Reg. No. 435,901. Registered May 18, 1943. STRAUS, ROTHE & STRAUS, INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

Royal Tee Golfer

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, SHIRTS, SHORTS, BLOUSES, SLACKS, LONG PANTS, MIDDIES, AND PLAYSUITS.
Claims use since July 2, 1946.

Reg. No. 439,025. Registered June 1, 1943. HENRI BENDEL, INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR GIRLS', MISSES', AND WOMEN'S COATS, SUITS, DRESSES, FURS—NAMELY, COATS, SCARVES AND

JACKETS—JACKETS, HATS, TAMS, MUFFS, BLOUSES, SWEATERS, SCARVES, CORSETS, HANDKERCHIEFS, AND SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS OF THE SAME.
Claims use since Aug. 7, 1941.

Reg. No. 439,752. Registered July 20, 1943. CONSOLIDATED MILLINERY COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Consello

FOR LADIES' AND CHILDREN'S HATS.
Claims use since May 1, 1914.

CLASS 40
FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 250,103. Registered Nov. 27, 1928. ROSENAU BROS., INC., Philadelphia, Pa. Republished by Rosenau Brothers, Inc. (1945), Philadelphia, Pa., a corporation of Pennsylvania.

Cinderella Rubberetts

FOR ELASTIC BANDS FOR WOMEN'S AND CHILDREN'S GARMENTS.
Claims use since Nov. 10, 1927.

CLASS 42
KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 240,781. Registered Apr. 10, 1928. WARE SHOALS MANUFACTURING COMPANY, Ware Shoals, S. C. Republished by Riegel Textile Corporation, New York, N. Y., a corporation of Delaware.

KLEEN-WINK

FOR COTTON PILLOW-CASES, COTTON SHEETS, AND COTTON HANDKERCHIEFS.
Claims use since Sept. 1, 1926.

Reg. No. 244,074. Registered July 10, 1928. ROANOKE MILLS COMPANY, Roanoke Rapids, N. C., a corporation of North Carolina. Republished by registrant.

TRUEWORTH

FOR WOVEN COTTON FABRICS—NAMELY, COTTON FLANNELS.
Claims use since January 1902.

Reg. No. 245,891. Registered Aug. 28, 1928. WARE SHOALS MANUFACTURING COMPANY, Ware Shoals, S. C. Republished by Riegel Textile Corporation, New York, N. Y., a corporation of Delaware.

Dawn

FOR COTTON PILLOW-CASES AND COTTON SHEETS.
Claims use since Sept. 1, 1926.

Reg. No. 255,989. Registered May 7, 1929. DEFENDER MFG. COMPANY, INC., Long Island City, N. Y., a corporation of New York. Republished by registrant, present address New York, N. Y.

DEMCO

FOR SHEETS AND PILLOWCASES.
Claims use since during the year 1914.

Reg. No. 270,050. Registered Apr. 22, 1930. KLINE BROTHERS CO., New York, N. Y., a corporation of Delaware. Republished by registrant.



FOR COTTON AND LINEN BED SHEETS, SHEETING, WIDE SHEETING, PILLOW CASES, AND MUSLIN PILLOW TUBING.
Claims use since June 1929.

Reg. No. 308,796. Registered Dec. 19, 1933. THE JOHN P. KING MANUFACTURING CO., Augusta, Ga., a corporation of Georgia. Republished by registrant.

KING

The lettering appearing on the trade-mark is printed in white upon a blue background. The words "Trade-Mark," "Sheets and Pillow Cases," "Torn Size," "Made By," "Augusta, Ga." are disclaimed apart from the mark as shown.
FOR SHEETS AND PILLOW CASES.
Claims use since June 9, 1933.

Reg. No. 309,386. Registered Jan. 9, 1934. MENTZ & Co., INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

DREADNAUGHT

FOR JUTE BURLAP BAGGING NOT INCLUDING ANY COTTON FABRICS.
Claims use since July 23, 1929.

Reg. No. 312,448. Registered Apr. 24, 1934. THE JOHN P. KING MANUFACTURING CO., Augusta, Ga., a corporation of Georgia. Republished by registrant.

KING
Sheets & Pillowcases

The lettering in the trade-mark and the ovals surrounding it are printed in blue and the drawing is lined for the color blue. The words "Sheets and Pillow Cases" are disclaimed apart from the mark as shown.
FOR SHEETS AND PILLOW CASES.
Claims use since June 9, 1933.

Reg. No. 327,727. Registered Sept. 3, 1935. SEA ISLAND MILLS, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

Seaisland

The words "Sea Island" are disclaimed apart from the mark as shown.
FOR COTTON BROADCLOTH IN THE PIECE.
Claims use since Feb. 15, 1935.

Reg. No. 327,728. Registered Sept. 3, 1935. SEA ISLAND MILLS, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

SEA ISLENE

FOR COTTON BROADCLOTH IN THE PIECE.
Claims use since January 1935.

Reg. No. 352,162. Registered Nov. 23, 1937. SEA ISLAND MILLS, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

WIND RESISTING HURRICANE CLOTH

The words "Wind Resisting" and "Cloth" are disclaimed apart from the mark as shown.
FOR WATERPROOFED WOVEN PIECE GOODS MADE OF COTTON OR ARTIFICIAL SILK AND INTENDED FOR THE MANUFACTURE OF RAINCOATS, AND RAIN PROOF SUITS AND DRESSES FOR MEN, WOMEN, AND CHILDREN.
Claims use since May 18, 1936.

Reg. No. 352,614. Registered Dec. 7, 1937. BUTLER BROTHERS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

LOOM CREST

FOR SHEETS AND PILLOW CASES.
Claims use since August 1931.

Reg. No. 367,224. Registered May 9, 1939. MAISON BLANCHE COMPANY, New Orleans, La., a corporation of Louisiana. Republished by registrant.

GOLD BUCK

FOR SHEETS, PILLOWCASES, TABLECLOTHS, TOWELS, BEDSPREADS, BLANKETS, AND PIECE GOODS OF COTTON, LINEN, OR WOOL, OR OF SAID MATERIALS IN COMBINATION.
Claims use since Oct. 24, 1938.

Reg. No. 410,272. Registered Nov. 21, 1944. ERNEST ALEXANDER DUNBAR, doing business as Dunbar & Nairn, Glasgow, Scotland. Republished by Dunbar & Nairn Limited, Glasgow, Scotland, a company of Great Britain.

Dunairn

FOR WOOL, COTTON, SILK, RAYON, AND MIXTURES THEREOF ALL IN THE PIECE.
Claims use since 1941.

Reg. No. 420,821. Registered May 7, 1946. P. HOPPLE, doing business as Mill Associates, New York, N. Y. Republished by Mill Associates Corp., New York, N. Y., a corporation of New York.

Heart of Value

The word "Value" is disclaimed apart from the mark as shown.
FOR BEDSPREADS, BATHMATS, BLANKETS, AND PRINTED PERCALE PIECE GOODS.
Claims use since 1930.

Reg. No. 436,403. Registered Feb. 10, 1948. SEA ISLAND MILLS, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

Siland

FOR FABRICS MADE FROM COMBINATION OF RAMIE AND RAYON FIBERS, SOLD BY THE BOLT OR PIECE.
Claims use since Aug. 3, 1944.

CLASS 43

THREAD AND YARN

Reg. No. 251,622. Registered Jan. 8, 1929. JAMES LEES & SONS COMPANY, Bridgeport, Pa., a corporation of Pennsylvania. Republished by registrant.

OLYMPIC

FOR YARNS.
Claims use since July 5, 1928.

Reg. No. 358,291. Registered July 5, 1938. MAX POLLACK & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

STRONGHOLD

FOR THREAD.
Claims use since February 1933.

Reg. No. 360,000. Registered Sept. 6, 1938. MAX POLLACK & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

FALCON

FOR THREAD.
Claims use since Jan. 15, 1935.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 211,205. Registered Apr. 6, 1926. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill., now by change of name The Scholl Mfg. Co., Inc. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

FLEXO

FOR ARCH SUPPORTS.
Claims use since 1910.

Reg. No. 250,015. Registered Nov. 27, 1928. RITTER DENTAL MANUFACTURING COMPANY, INC., Rochester, N. Y. Republished by Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware.

R

FOR DENTAL APPLIANCE ASSEMBLIES SOLD AS UNITS—NAMELY, FOUNTAIN CUSPIDORS, ATOMIZERS, WATER HEATERS, DENTAL ENGINES, SPOTLIGHTS, ELECTRIC FANS, AND DENTAL INSTRUMENT TABLES.
Claims use since Dec. 21, 1922.

Reg. No. 250,016. Registered Nov. 27, 1928. RITTER DENTAL MANUFACTURING COMPANY, INC., Rochester, N. Y. Republished by Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware.

Tri-Dent

FOR DENTAL APPLIANCE ASSEMBLIES SOLD AS UNITS—NAMELY, FOUNTAIN CUSPIDORS, ATOMIZERS, WATER HEATERS, DENTAL ENGINES, SPOTLIGHTS, ELECTRIC FANS, AND DENTAL INSTRUMENT TABLES.
Claims use since Dec. 21, 1922.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 117,712. Registered July 24, 1917. THE TEBBETTS AND GARLAND STORE, Chicago, Ill. Republished by Hillman's, Inc., Chicago, Ill., a corporation of Illinois.

Ruby Clemenline

FOR SARSAPARILLA, GINGER ALE, ROOT BEER, BIRCH BEER, GRAPE JUICE, AND LOGANBERRY JUICE.
Claims use since May 1, 1916.

Reg. No. 200,052. Registered June 23, 1925. THE FITGER COMPANY, Duluth, Minn. Republished by Fitger Brewing Company, Duluth, Minn., a corporation of Minnesota.

Silver Spray

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Dec. 18, 1924.

Reg. No. 228,870. Registered June 14, 1927. THE FITGER COMPANY, Duluth, Minn. Republished by Fitger Brewing Company, Duluth, Minn., a corporation of Minnesota.

THE BEST MIXER IN A CROWD

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Mar. 1, 1925.

Reg. No. 274,446. Registered Aug. 26, 1930. THE FITGER COMPANY, Duluth, Minn. Republished by Fitger Brewing Company, Duluth, Minn., a corporation of Minnesota.

Lovit

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Apr. 14, 1930.

Reg. No. 300,762. Registered Feb. 7, 1933. THE JEL SERT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FLA-VOR-ADE

FOR MALTLESS POWDER FOR MAKING NON-ALCOHOLIC SOFT DRINKS.
Claims use since May 2, 1932.

Reg. No. 419,785. Registered Mar. 5, 1946. UNION BOTTLING COMPANY, Memphis, Tenn., a corporation of Tennessee. Republished by registrant.

Grapette

FOR NONALCOHOLIC, MALTLESS, CARBONATED BEVERAGE.
Claims use since about Jan. 15, 1914.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 44,378. Registered July 4, 1905. PIEDMONT MILLS, INC., Lynchburg, Va., a corporation of Virginia. Republished by registrant.

PIEDMONT

FOR WHEAT FLOUR.
Claims use since about 1870.

Reg. No. 66,808. Registered Apr. 28, 1908. W. H. STOKES MILLING CO., Watertown, S. Dak. Republished by Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware.

GARLAND

FOR WHEAT-FLOUR.
Claims use since Dec. 1, 1882.

Reg. No. 68,919. Registered May 5, 1908. W. H. STOKES MILLING CO., Watertown, S. Dak. Republished by Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware.

WANETA

FOR WHEAT-FLOUR.
Claims use since Dec. 1, 1882.

Reg. No. 73,996. Registered June 8, 1909. JOHN MORRELL & COMPANY, LIMITED, Liverpool, England, and Ottumwa, Iowa. Republished by John Morrell & Company, Ottumwa, Iowa, a corporation of Maine.



FOR HAMS, BREAKFAST-BACON, AND PICNICS.
Claims use since Aug. 15, 1899.

Reg. No. 106,590. Registered Oct. 26, 1915. FLORIDA CITRUS EXCHANGE, Tampa, Fla., a corporation of Florida. Republished by registrant.

Seald-Sweet

FOR CITRUS FRUITS.
Claims use since Apr. 22, 1914.

Reg. No. 117,712. Registered July 24, 1917. THE TEBBETTS AND GARLAND STORE, Chicago, Ill. Republished by Hillman's, Inc., Chicago, Ill., a corporation of Illinois.

Lady Clementine

FOR SARSAPARILLA, GINGER ALE, ROOT BEER, BIRCH BEER, GRAPE JUICE, AND LOGANBERRY JUICE.
Claims use since May 1, 1916.

Reg. No. 117,791. Registered July 31, 1917. THE TEBBETS AND GARLAND STORE, Chicago, Ill. Republished by Hillman's, Inc., Chicago, Ill., a corporation of Illinois.

KOLAN

FOR BLEND COFFEE.
Claims use since Feb. 1, 1917.

Reg. No. 120,451. Registered Feb. 5, 1918. THE TEBBETTS & GARLAND STORE, Chicago, Ill. Republished by Hillman's, Inc., Chicago, Ill., a corporation of Illinois.

VASANTA

FOR TEA.
Claims use since Feb. 11, 1914.

Reg. No. 120,452. Registered Feb. 5, 1918. THE TEBBETTS & GARLAND STORE, Chicago, Ill. Republished by Hillman's, Inc., Chicago, Ill., a corporation of Illinois.

FOR COFFEE.
Claims use since Feb. 11, 1914.

Reg. No. 120,453. Registered Feb. 5, 1918. THE TEBBETTS AND GARLAND STORE, Chicago, Ill. Republished by Hillman's, Inc., Chicago, Ill., a corporation of Illinois.

Lady Clementine

FOR PRUNES, DATES, FIGS, RAISINS, PRESERVED GINGER, PRESERVED LIMES, HONEY, MAPLE SYRUP, MAPLE SUGAR, KETCHUP, OLIVE OIL, SPICES, VINEGAR; CANNED GOODS—NAMELY, CLAMS, CLAM-CHOWDER, CLAM-JUICE, FISH FLAKES, LOBSTER, SALMON, TOMATO PUREE, ASPARAGUS, BEANS, BEETS, CABBAGE, CORN, HOMINY, MIXED VEGETABLES, ONIONS, PEAS, PUMPKIN, SAUER KRAUT, SPINACH, SQUASH, SUCCOTASH, APRICOTS, BLACKBERRIES, CHERRIES, GOOSEBERRIES, PEACHES, PEARS, PINEAPPLE, PLUMS, RASPBERRIES, STRAWBERRIES, GRAPES, AND LOGANBERRIES.
Claims use since Sept. 1, 1914.

Reg. No. 142,542. Registered May 17, 1921. GARCIA & MAGGINI CO., San Francisco, Fresno, Watsonville, Sebastopol, Santa Rosa, Forestville, and Healdsburg, Calif. Republished by Albert Asher, doing business as Albert Asher Company, San Francisco, Calif.

TROPIC

FOR CANNED, FRESH, AND DRIED FRUITS—NAMELY, DATES, RAISINS, AND FIGS.
Claims use since 1907.

Reg. No. 166,950. Registered July 22, 1924. WALTER BLAIR RODDENBERY, Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

NIGGER NIM CANE-PATCH

FOR CANE SYRUP FOR FOOD PURPOSES.
Claims use since December 1899.

Reg. No. 188,518. Registered Aug. 26, 1924. DAVIS-CLEAVER PRODUCE COMPANY, Quincy Ill., a corporation of Missouri. Republished by registrant.

FERNDALE

FOR BUTTER.
Claims use since 1915.

Reg. No. 189,700. Registered Sept. 23, 1924. E. H. SPIEGL, San Francisco, Calif. Republished by Spiegl Farms, Inc., Salinas, Calif., a corporation of California.



FOR FRESH FRUITS AND FRESH VEGETABLES.
Claims use since Apr. 15, 1924.

Reg. No. 203,631. Registered Sept. 22, 1925. OLIVE HEIGHTS CITRUS ASSOCIATION, Olive, Calif., a corporation of California. Republished by registrant.

MOUNT OF OLIVE

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since Jan. 1, 1920.

Reg. No. 203,632. Registered Sept. 22, 1925. OLIVE HEIGHTS CITRUS ASSOCIATION, Olive, Calif., a corporation of California. Republished by registrant.

HECTOR

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since Jan. 1, 1914.

Reg. No. 206,452. Registered Dec. 1, 1925. STALEY MILLING COMPANY, North Kansas City, Mo., a corporation of Missouri. Republished by registrant.

FOUR BELLS

FOR WHEAT FLOUR, CORN MEAL, CORN CHOP MIXED FEED, GRITS, AND POULTRY FEEDS.
Claims use since Jan. 21, 1925.

Reg. No. 213,120. Registered May 18, 1926. WALTER BLAIR RODDENBERY, Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

Happy Kids

FOR SORGHUM SYRUP BLENDED WITH CORN SYRUP.
Claims use since Oct. 3, 1924.

Reg. No. 215,760. Registered July 27, 1926. N. GOODMAN & SON, New York, N. Y. Republished by C. Pappas Company, Inc., Boston, Mass., a corporation of Massachusetts.



No claim is made to the exclusive use of the wording appearing in the drawing except to the words "Gold Star." The vertical lines in the drawing represent red color, the horizontal lines blue color, the diagonal lines green color, the dotted cross lines yellow color, and the dotted parts represent gold.
FOR PURE SALAD OIL.
Claims use since 1916.

Reg. No. 223,900. Registered Feb. 15, 1927. CHARLES T. WEGNER, JR., Chicago, Ill. Republished by The Jel Sert Company, Chicago, Ill., a corporation of Illinois.

JEL SERT

FOR FLAVORED GELATINE DESSERT MIXTURE.
Claims use since Sept. 10, 1926.

Reg. No. 227,663. Registered May 10, 1927. WALTER BLAIR RODDENBERY, Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

OLD PLANTATION

FOR TABLE SYRUP.
Claims use since Sept. 17, 1926.

Reg. No. 232,639. Registered Sept. 13, 1927. WALTER BLAIR RODDENBERY, Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

PINELAND

FOR TABLE SYRUP.
Claims use since Jan. 29, 1927.

Reg. No. 232,842. Registered Sept. 20, 1927. DAVIS-CLEAVER PRODUCE COMPANY, Quincy, Ill., a corporation of Missouri. Republished by registrant.

Ferndale

FOR DRESSED POULTRY.
Claims use since October 1922.

Reg. No. 236,914. Registered Dec. 27, 1927. FREESER MACARONI COMPANY, Harrisburg, Pa. Republished by Megs Macaroni Company, Harrisburg, Pa., a corporation of Pennsylvania.

WONDER

The drawing is lined for red.
FOR ALIMENTARY PASTES.
Claims use since July 30, 1927.

Reg. No. 236,961. Registered Dec. 27, 1927. FREESER MACARONI COMPANY, Harrisburg, Pa. Republished by Megs Macaroni Company, Harrisburg, Pa., a corporation of Pennsylvania.

EGGMAC
EGG MACARONI DELIGHTS

No claim is made to the words "Egg Macaroni" nor to the representation of the goods, apart from the mark as shown.
FOR ALIMENTARY PASTES.
Claims use since July 30, 1927.

Reg. No. 237,753. Registered Jan. 17, 1928. THE LARABEE FLOUR MILLS COMPANY, doing business as The Interior Flour Mills Company, Kansas City, Mo. Republished by Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware.



The words "Master Made" are disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since May 31, 1927.

Reg. No. 238,208. Registered Jan. 31, 1928. H. S. GROAT & COMPANY, Seattle, Wash. Republished by Jensen-McLean Company, Inc., Seattle, Wash., a corporation of Washington.

CIRCLE "G" BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR CANNED FRUITS—NAMELY, PEACHES, PEARS, APRICOTS, AND APPLES; CANNED FISH—NAMELY, SALMON; CANNED BERRIES—NAMELY, LOGANBERRIES; FRESH FRUITS—NAMELY, APPLES, PEARS; DEHYDRATED APPLES AND WHEAT FLOUR.
Claims use since about 1922.

Reg. No. 238,703. Registered Feb. 14, 1928. SKINNER MANUFACTURING COMPANY, Omaha, Nebr., a corporation of Nebraska. Republished by registrant.

Cheesroni

FOR FOOD PRODUCT CONSISTING OF A COMBINATION OF MACARONI AND CHEESE.
Claims use since July 16, 1927.

Reg. No. 242,440. Registered May 22, 1928. MINNEAPOLIS MILLING COMPANY, Minneapolis, Minn. Republished by Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware.

Miss Kansas

FOR WHEAT FLOUR.
Claims use since July 1, 1926.

Reg. No. 244,557. Registered July 24, 1928. THE LARABEE FLOUR MILLS COMPANY, Kansas City, Mo. Republished by Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware.



FOR WHEAT FLOUR.
Claims use since November 1925.

Reg. No. 247,432. Registered Sept. 25, 1928. WHITEHEAD BROS., Riverside, Calif. Republished by C. W. Kircher, doing business as North Hollywood Egg Farms, North Hollywood, Calif.

JUNIOR

FOR EGGS.
Claims use since June 1, 1925.

Reg. No. 247,986. Registered Oct. 9, 1928. CONTINENTAL BAKING COMPANY, Wilmington, Del., and New York, N. Y., a corporation of Delaware. Republished by registrant.

HOSTESS CAKE

The word "Cake" is disclaimed apart from the mark as shown.
FOR CAKE.
Claims use since on or about May 2, 1927.

Reg. No. 249,957. Registered Nov. 27, 1928. WILLIAM S. SCULL COMPANY, Camden, N. J. Republished by Bosco Company, Inc., New York, N. Y., a corporation of New Jersey.

BOSCO

FOR CHOCOLATE MALT SYRUP.
Claims use since about June 26, 1928.

Reg. No. 251,528. Registered Jan. 8, 1929. WASHBURN CROSBY COMPANY, Minneapolis, Minn., assignor to General Mills, Inc. Republished by General Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

WASHBURN'S GOLD MEDAL

FOR STOCK AND POULTRY FEED.
Claims use since Mar. 10, 1927.

Reg. No. 251,707. Registered Jan. 15, 1929. SUTTER PACKING COMPANY, Mayfield, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

SUTTER SLICES O'GOLD

The descriptive word "Slices" is disclaimed apart from the mark as shown.
FOR CANNED FRUITS.
Claims use since July 19, 1928.

Reg. No. 255,509. Registered Apr. 23, 1929. POMONA FRUIT GROWERS EXCHANGE, Pomona, Calif., a corporation of California. Republished by registrant.

HAWK

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since Jan. 1, 1900.

Reg. No. 257,336. Registered June 4, 1929. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

PURE GOLD

FOR WHEAT FLOUR.
Claims use since 1880.

Reg. No. 279,141. Registered Jan. 6, 1931. WALTER BLAIR RODDENBERY, Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

LASSIE JANE

FOR MOLASSES.
Claims use since June 4, 1930.

Reg. No. 282,796. Registered May 5, 1931. WALTER BLAIR RODDENBERY, Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

CANE PATCH

FOR CANE SYRUP.
Claims use since Oct. 27, 1930.

Reg. No. 284,122. Registered Jan. 16, 1931. WALTER BLAIR RODDENBERY, Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

LEVEE

FOR MOLASSES.
Claims use since June 4, 1930.

Reg. No. 287,990. Registered Oct. 20, 1931. CAPITAL CITY BAKING CO., Harrisburg, Pa. Republished by Capital Bakers, Inc., Harrisburg, Pa., a corporation of Pennsylvania.

THE BEAD WITH THE BAKED-IN TASTE
CAPITAL BREAD

Exclusive use of the word "Bread" and the expression "The loaf with the baked-in taste" is not claimed except in association with the other features of the mark.
FOR BREAD.
Claims use since May 15, 1929.

Reg. No. 293,470. Registered Apr. 26, 1932. WILLIAM G. SCARLETT, doing business as Wm. G. Scarlett & Co., Baltimore, Md. Republished by registrant.

ORIOLE BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR PIGEON AND POULTRY FEEDS, BIRD SEED.
Claims use since 1898.

Reg. No. 294,567. Registered May 31, 1932. ARMSTRONG GROCERY COMPANY, Sharon, Pa., a corporation of Pennsylvania. Republished by registrant.

Baby Rose

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED SLICED PINEAPPLE, AND CANNED SAUERKRAUT.
Claims use since Oct. 1, 1931.

Reg. No. 300,681. Registered Jan. 31, 1933. CALIFORNIA FRUIT EXCHANGE, Sacramento, Calif., a corporation of California. Republished by registrant.



The drawing is lined for red, yellow, light blue and dark blue.
FOR FRESH FRUITS—NAMELY, FRESH APPLES, APRICOTS, CHERRIES, PEACHES, PLUMS, PEARS, GRAPES, PERSIMMONS, POMEGRANATES, FIGS, QUINCES, NECTARINES, OLIVES, AND PRUNES.
Claims use since May 1901.

Reg. No. 302,801. Registered Apr. 25, 1933. JOSEPH O. EDY, Alameda, Calif. Republished by registrant, present address Oakland, Calif.

Edy's

FOR CANDIES, ICE CREAM.
Claims use since May 2, 1925.

Reg. No. 308,133. Registered Nov. 21, 1933. RECKER-BEST COMPANY, Phoenix, Ariz. Republished by Earl C. Recker, Mesa, Ariz.

GOLD RUSH

FOR FRESH VEGETABLES AND MELONS.
Claims use since MAY. 15, 1933.

Reg. No. 310,711. Registered Mar. 6, 1934. E. H. SPIEGL, Salinas, Calif. Republished by Spiegl Farms, Inc., Salinas, Calif., a corporation of California.

EHS

FOR FRESH VEGETABLES.
Claims use since Apr. 20, 1933.

Reg. No. 327,378. Registered Aug. 27, 1935. THE JEL SERT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

freezo

FOR ICE CREAM POWDER.
Claims use since Sept. 13, 1934.

Reg. No. 333,989. Registered Apr. 14, 1936. REDLANDS FOOTHILL GROVES, Redlands, Calif., a corporation of California. Republished by registrant.

DESERT BLOOM

FOR FRESH CITRUS FRUITS.
Claims use since Nov. 14, 1935.

Reg. No. 341,009. Registered Dec. 22, 1936. STALEY MILLING COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant, present address North Kansas City, Mo.

Tint-sax

FOR MILLED GRAIN PRODUCTS AND PREPARATIONS THEREOF, PARTICULARLY CORN MEAL, CRACKED CORN, POULTRY FEEDS, AND CATTLE AND STOCK FEEDS.
Claims use since May 13, 1936.

Reg. No. 345,451. Registered Apr. 27, 1937. FRANK W. MOORE, Redlands, Calif. Republished by registrant.

Tango

FOR FRESH CITRUS FRUIT—AND CITRUS JUICES USED FOR FOOD PURPOSES.
Claims use since Oct. 31, 1936.

Reg. No. 345,906. Registered May 11, 1937. W. B. RODDENBERY CO., Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

HAPPY KIDS

FOR TABLE SYRUPS, PEANUT BUTTER, AND PICKLES AND PICKLE RELISH.
Claims use since Oct. 3, 1924.

Reg. No. 346,158. Registered May 18, 1937. W. B. RODDENBERY CO., Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

Pickle Patch

The word "Pickle" is disclaimed apart from the mark as shown.
FOR PICKLES AND PICKLE RELISH.
Claims use since Sept. 19, 1936.

Reg. No. 347, 760. Registered July 6, 1937. CRAWFORD PRODUCE COMPANY, INC., San Benito, Tex., a corporation of Texas. Republished by registrant.

SUM-BOY



FOR FRESH VEGETABLES AND FRESH CITRUS FRUITS.
Claims use since Feb. 3, 1937.

Reg. No. 349,661. Registered Aug. 31, 1937. DIEBERT BROS. & SNYDER, Biola and Fresno, Calif. Republished by Diebert Packing Company, Biola, Calif., a firm.

Diebert's D.B.

FOR RAISINS.
Claims use since 1928.

Reg. No. 365,255. Registered Feb. 28, 1939. E. H. SPIEGL, Salinas, Calif. Republished by Spiegl Farms, Inc., Salinas, Calif., a corporation of California.

PILOT MAID



The picture of the girl is fanciful.
FOR FRESH VEGETABLES.
Claims use since Sept. 20, 1938.

Reg. No. 371,937. Registered Oct. 17, 1939. W. B. RODDENBERY, Co., Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

PEANUT PATCH

The word "Peanut" is disclaimed apart from the mark as shown.
FOR PEANUT BUTTER.
Claims use since Apr. 7, 1939.

Reg. No. 372,134. Registered Oct. 24, 1939. W. F. BRADLEY, doing business as Hidden Gold Canning Company, National City, Calif. Republished by W. J. Bush Citrus Products Company, Inc., National City, Calif., and New York, N. Y., a corporation of New York.

Hidden Gold

FOR CANNED CITRUS JUICES AND VEGETABLE JUICES FOR FOOD PURPOSES.
Claims use since 1932.

Reg. No. 373,344. Registered Dec. 5, 1939. THE OHIO PROVISION CO., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

"SANDY MAC"



The portrait is fanciful.
FOR BACON.
Claims use since Feb. 14, 1939.

Reg. No. 375,114. Registered Feb. 6, 1940. INTER-STATE GROVE PROPERTIES, INC., Tampa, Fla. Republished by Inter-State Investment Company, Tampa, Fla., a corporation of Georgia.

SWANNY

FOR FRESH CITRUS FRUITS.
Claims use since Aug. 31, 1939.

Reg. No. 375,254. Registered Feb. 13, 1940. THE OHIO PROVISION CO., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Oproco

FOR BACON.
Claims use since July 7, 1939.

Reg. No. 385,785. Registered Mar. 18, 1941. W. B. RODDENBERY CO., Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

PATCH

FOR TABLE SYRUP AND PEANUT BUTTER.
Claims use since Jan. 10, 1940.

Reg. No. 389,590. Registered Aug. 12, 1941. W. B. RODDENBERY CO., Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

SOUTHERN PLANTATION

FOR TABLE SYRUP, PICKLES, PEANUT BUTTER, AND PICKLE RELISH.
Claims use since June 1922.

Reg. No. 393,726. Registered Mar. 3, 1942. W. B. RODDENBERY CO., Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

HAPPY FAMILY

FOR TABLE SYRUP, PICKLES, PEANUT BUTTER, AND PICKLE RELISHES.
Claims use since June 22, 1937.

Reg. No. 406,362. Registered Mar. 28, 1944. SAFEWAY STORES, INCORPORATED, Baltimore, Md., Reno, Nev., and Oakland, Calif., a corporation of Maryland. Repnblished by registrant, present address Oakland, Calif.

Feast Day

FOR DRESSED TURKEYS.
Claims use since Nov. 17, 1941.

Reg. No. 412,312. Registered Feb. 27, 1945. STALEY MILLING COMPANY, North Kansas City, Mo., a corporation of Missouri. Republished by registrant.

SWINE SWILLER

The word "Swine" is disclaimed apart from the mark as shown.
FOR HOG AND PIG FEED IN PELLET AND MEAL FORM.
Claims use since Sept. 23, 1944.

Reg. No. 417,562. Registered Oct. 30, 1945. NATIONAL TOILET COMPANY, doing business as Merrit Products Company, Paris, Tenn., a corporation of Tennessee. Republished by registrant.

MERRIMAID

FOR PIE FILLING MIX, TAPIOCA DESSERT MIX, PREPARED MUSTARD, PEPPER, SHREDDED COCOANUT, COCOA, IMITATION SYRUP FLAVORINGS FOR FOODS, CHOCOLATE FLAVORED MALTED MILK, BAKING POWDER, CELERY SALT, AND ALLSPICE.
Claims use since May 28, 1945.

Reg. No. 419,494. Registered Feb. 19, 1946. G. H. PLETCHER, Harlingen, Tex. Republished by registrant.

RED BLUSH

The word "Red" is disclaimed apart from the mark as shown.
FOR FRESH GRAPEFRUIT.
Claims use since Nov. 1, 1944.

Reg. No. 421,003. Registered May 14, 1946. STALEY MILLING COMPANY, North Kansas City, Mo., a corporation of Missouri. Republished by registrant.

PRO-LASS

FOR HOG AND PIG FEED SUPPLEMENT.
Claims use since January 1939.

Reg. No. 421,962. Registered June 25, 1946. F & F LABORATORIES, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

JUICELETS

FOR HARD CANDY DROPS.
Claims use since on or about July 23, 1945.

Reg. No. 425,237. Registered Nov. 12, 1946. GRAY AND GRAY, Venice, Calif., a firm. Republished by registrant.

NELLIE GRAY

FOR DILL PICKLES, BLACK PEPPER, FRENCH DRESSING, MAYONNAISE, SALAD DRESSING, THOUSAND ISLAND DRESSING, MUSTARD, VINEGAR, JELLIES, CRUSHED PINEAPPLE, PEANUT BUTTER, MARMALADE, HORSERADISH, SWEET RELISH CONSISTING OF CUCUMBER, CAULIFLOWER, SUGAR, VINEGAR, SPICES, AND ALUM; CHOCOLATE SYRUP AND IMITATION MAPLE SYRUP FOR FOOD PURPOSES; AND BUTTERSCOTCH, MARSHMALLOW, AND CARAMEL SYRUPS FOR FOOD PURPOSES.
Claims use since May 5, 1945.

Reg. No. 427,009. Registered Jan. 21, 1947. D. E. MYERS, Oceano, Calif. Republished by registrant.

CAN'T MISS

FOR FRESH VEGETABLES.
Claims use since November 1945.

Reg. No. 428,124. Registered Mar. 11, 1947. F & F LABORATORIES, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

SHERBITS

FOR HARD CANDY DROPS.
Claims use since on or about Feb. 12, 1945.

Reg. No. 430,769. Registered June 24, 1947. D. E. MYERS, Oceano, Calif. Republished by registrant.

TOP BRACKET

FOR FRESH VEGETABLES.
Claims use since September 1945.

Reg. No. 438,124. Registered Apr. 6, 1948. GEO. D. BROWN & SON, INC., Chelan Falls, Wash., a corporation of Washington. Republished by registrant.



FOR FRESH DECIDUOUS FRUITS.
Claims use since 1943.

Reg. No. 439,068. Registered June 1, 1948. MALTEX COMPANY, Burlington, Vt., a firm. Republished by registrant.



FOR BREAKFAST CEREAL.
Claims use since Oct. 15, 1900.

CLASS 47

WINES

Reg. No. 344,840. Registered Apr. 6, 1937. H. NAGELE'S MARKET, Manhasset, Long Island, N. Y., a partnership. Republished by registrant.

Stonehill

FOR WINES.
Claims use since June 18, 1936.

Reg. No. 401,027. Registered Apr. 20, 1943 BIACHGLIA BROTHERS WINE CO., Fresno and Reedley, Calif., a corporation of California. Republished by registrant, present address Fresno, Calif.

WINEDALE

FOR WINES.
Claims use since Dec. 13, 1939.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 42,717. Registered May 31, 1904. DULUTH BREWING & MALTING CO., Duluth, Minn. Republished by Fitger Brewing Company, Duluth, Minn., a corporation of Minnesota.

REX

FOR LAGER-BEER, ALE, PORTER, AND MALT EXTRACT.
Claims use since Aug. 5, 1902.

Reg. No. 307,557. Registered Oct. 31, 1933. THE FITGER COMPANY, Duluth, Minn. Republished by Fitger Brewing Company, Duluth, Minn., a corporation of Minnesota.



FOR MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT.
Claims use since Aug. 5, 1902.

Reg. No. 309,101. Registered Jan. 2, 1934. THE FITGER COMPANY, Duluth, Minn., now by change of name Fitger Brewing Company. Republished by Fitger Brewing Company, Duluth, Minn., a corporation of Minnesota.



The drawing is lined to indicate the color red.
FOR MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT.
Claims use since 1904.

Reg. No. 437,231. Registered Mar. 9, 1948. FITGER BREWING COMPANY, Duluth, Minn., a corporation of Minnesota. Republished by registrant.

Nordlager

FOR BEER.
Claims use since Aug. 1, 1937.

Reg. No. 439,469. Registered June 29, 1948. ROCHESTER BREWING COMPANY, INC., Rochester, N. Y., a corporation of New York. Republished by registrant.



All wording except "Topper" is disclaimed apart from the mark as shown. The drawing is lined for yellow and brown.
FOR BEER AND ALE.
Claims use since May 13, 1946.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 116,378. Registered Apr. 24, 1917. THE TRIBETTH & GARLAND STORE, Chicago, Ill. Republished by Hillman's, Inc., Chicago, Ill., a corporation of Illinois.

STOP & SHOP

FOR BRANDY, BLENDED WHISKEY, AND STRAIGHT WHISKEY, COCKTAILS, CORDIALS, RUM, GIN, AND VERMUTH.
Claims use since Sept. 15, 1913.

Reg. No. 312,752. Registered May 8, 1934. NEW ENGLAND DISTILLERS, INC., Clinton and Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address Boston, Mass.



The words "London Dry" are disclaimed apart from the mark as shown.
FOR GIN.
Claims use since Dec. 4, 1933.

Reg. No. 321,960. Registered Feb. 19, 1935. NEW ENGLAND DISTILLERS, INC., Clinton, Mass., a corporation of Massachusetts. Republished by registrant, present address Boston, Mass.

EVERETT SPRING

FOR RUM.
Claims use since July 12, 1934.

Reg. No. 339,967. Registered Oct. 27, 1936. H. NAGELE'S MARKET, Manhasset, N. Y., a firm. Republished by registrant.

Stonehill

FOR GIN, WHISKEY, BRANDY, RUM, BOTTLED COCKTAILS, AND ALCOHOLIC CORDIALS.
Claims use since June 18, 1936.

Reg. No. 438,926. Registered May 18, 1948. RESEARCH CHEMICAL COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.



The word "Mix" is disclaimed apart from the mark as shown.
FOR LEMON CONCENTRATE FOR BAR MIXES.
Claims use since July 1, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 385,365. Registered Feb. 25, 1941. FREDERIC BLANK & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

fabron

FOR FABRIC BASE WALL COVERINGS.
Claims use since Sept. 7, 1940.

Reg. No. 392,754. Registered Jan. 13, 1942. FREDERIC BLANK & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

detron

FOR COVERINGS IN THE NATURE OF TREATED FABRICS ADAPTED TO BE SECURED ADHESIVELY TO WALLS (FABRIC BASE WALL COVERINGS).
Claims use since Apr. 25, 1941.

Reg. No. 400,060. Registered Feb. 16, 1943. SEA ISLAND MILLS, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.



The words "Water Proof Plus Water-Repellent" and "Cloth" are disclaimed apart from the mark as shown.
FOR WATER REPELLENT AND WATERPROOF FABRICS—NAMELY, FABRICS HAVING A COATING OF VINYL ACETATE, PYROXYLIN, OR OTHER WATERPROOFING MATERIAL.
Claims use since July 10, 1941.

REISSUES

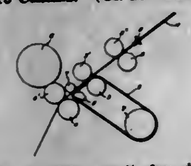
MAY 31, 1949

23,117
TEXTILE MACHINE UNIT FOR DRAFTING FIBERS

Frank H. Carman, Washington, D. C., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Original No. 2,287,786, dated June 30, 1942, Serial No. 305,429, November 21, 1939. Application for reissue March 16, 1943, Serial No. 479,677

15 Claims. (Cl. 19—131)



8. A textile machine unit for drafting fibers having a fiber contacting surface layer consisting of a vulcanized resilient composition including a vulcanizing agent such as sulphur comprising as an essential constituent a synthetic rubber composed of acrylic nitrile and butadiene copolymer.

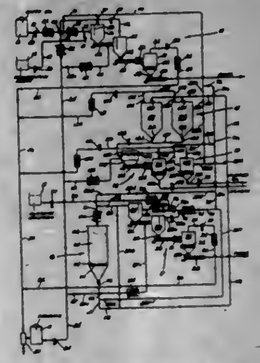
23,118
PROCESS FOR REFINING ANIMAL AND VEGETABLE OILS

Frederick J. Ewing, Arcadia, Calif., assignor, by mesne assignments, to Benjamin Clayton, Houston, Tex., doing business as Refining, Unincorporated

Original No. 2,288,441, dated June 30, 1942, Serial No. 274,649, May 19, 1939. Application for reissue September 17, 1948, Serial No. 49,761

19 Claims. (Cl. 260—428.5)

1. The process of removing gummy materials from crude fatty material containing the same which comprises the steps of mixing said crude fatty material with liquefied normally gaseous hydrocarbon to dissolve the fatty material and precipitate gummy material, and separating said precipitated gummy material from said fatty material, said steps being carried on in the



presence of said hydrocarbon and under sufficient pressure to maintain said hydrocarbon in liquid form.

23,119
OIL-SOLUBLE DRIER METAL SALT COMPOSITIONS

Alfred Fischer, Bronx, N. Y., assignor to Nuodex Products Co., Inc., Elizabeth, N. J., a corporation of New York

No Drawing. Original No. 2,456,824, dated December 21, 1948, Serial No. 682,586, July 10, 1946. Application for reissue January 25, 1949, Serial No. 72,741

6 Claims. (Cl. 106—310)

1. A composition of matter consisting essentially of an oil-soluble drier metal salt and a lesser amount of an alkyl acid phosphate wherein the alkyl group embodies not more than 8 carbon atoms.

PLANT PATENTS

GRANTED MAY 31, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

341
ROSE PLANT

Josephine D. Brownell, Little Compton, R. I.

Application April 22, 1946, Serial No. 663,868

1 Claim. (Cl. 47—61)

The rose plant variety substantially as shown and described, characterized by its resistance to winter injury, its intensity and continuity of florescence, its long keeping character of the color of its petals and the form of its petals and the form of the flower, variable within certain definite limits, its color as described all in association with its habit of branching from bloom stems and from the base and blooming in hybrid tea manner, and its degree of freedom from premature defoliation by black-spot during the growing season.

342
ROSE PLANT

Josephine D. Brownell, Little Compton, R. I.

Application April 22, 1946, Serial No. 663,869

1 Claim. (Cl. 47—61)

The hardy hybrid *Rosa wichuraiana* hybrid tea, rose plant variety substantially as herein disclosed, characterized by its resistance to winter injury, its mild pleasing fragrance, with leaflets of a brilliant green with form and color of bloom and plant substantially as described and shown, and with petals that recurl outward in a unique degree of tightness and form, of unique form of growth and very great degree of inflorescence and continuity thereof.

843
ROSE PLANT
Josephine D. Brownell, Little Compton, R. I.
Application April 22, 1946, Serial No. 663,873
1 Claim. (Cl. 47—61)

The variety of rose plant substantially as shown and described, characterized by its resistance to winter injury, its intensity and continuity of florescence, its pleasing fragrance, the color of its flower, the long keeping character of the color of its petals, their notably velvety luster and the form of its petals and the form of the flower, variable within certain definite limits, its character of long holding that form, all in association with its habit of branching from bloom stems and from the base and blooming in the hybrid tea manner and its freedom from defoliation by black-spot during the growing season.

844
ROSE PLANT
Roy L. Byrum, Richmond, Ind., assignor to Joseph H. Hill Company, Richmond, Ind., a corporation of Indiana
Application October 3, 1947, Serial No. 777,713
1 Claim. (Cl. 47—61)

A new and distinct variety of hybrid tea rose plant, characterized as to novelty by its habit of growth; its extra large size flowers of deep brilliant red; and qualities especially suitable for greenhouse purposes, substantially as shown and described.

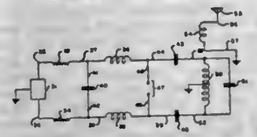
PATENTS

GRANTED MAY 31, 1949

2,471,400
PREPARATION OF 1-NAPHTHYLAMINE-2-SULFONIC ACID
Robert Carland Conn, Bound Brook, and Robert Herbert Weiss, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 21, 1947, Serial No. 756,339
3 Claims. (Cl. 260—508)

1. In the preparation of sodium 1-naphthylamine-2-sulfonate from sodium naphthionate, the improvement which comprises heating sodium napthionate in an inert, neutral, water-immiscible, volatile, organic solvent having a boiling point not exceeding 150° C., to temperatures between 190° and 250° C., under pressure, the said solvent being selected from the class consisting of benzene, and the alkyl and halogen substituted benzenes having a boiling point not exceeding 150° C.

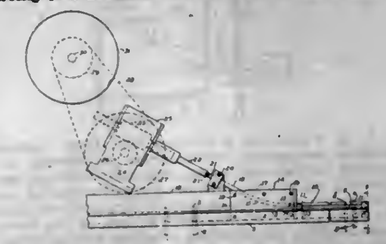
2,471,401
NEUTRODYNING FOR SHORT WAVES
Georges Ahier and Emile Touraton, Paris, France, assignors to International Standard Electric Corp., New York, N. Y., a corporation of Delaware
Application March 20, 1947, Serial No. 735,908
In France June 18, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 18, 1965
7 Claims. (Cl. 250—17)



1. A radio transmitter of the class described employing a spark gap, a series resonant primary circuit connected to said spark gap, a parallel resonant secondary circuit, and electrostatic coupling means for coupling said primary to said secondary.

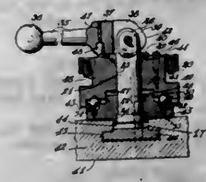
2,471,402
PISTON RING GAP-ALIGNING DEVICE
Albert H. Bates, Rockford, Ill.
Application April 30, 1945, Serial No. 591,141
13 Claims. (Cl. 193—43)

4. A ring gap aligning device for use in the manufacture of split piston rings and the like comprising, in combination, an elongated slide bar for slidable suspension support of a plurality of rings by their gap portions while disposed face to face, said slide bar having a vertical portion projecting upwardly between the gap portions to guide the rings in their sliding movement and maintain the gaps aligned, a rotary aligning shaft supported above and close to the top of said vertical portion and in the same vertical plane therewith, and power operable means for turning said shaft including a flexible shaft extending upwardly at an acute angle from one end of said aligning shaft, said flexible shaft being of a diameter small enough to pass readily



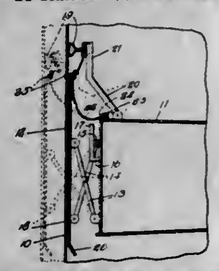
through the gaps in the rings, whereby the aligned rings will not be obstructed by said flexible shaft in their sliding movement along said slide bar.

2,471,403
TURRET-TYPE TOOL POST
Gordon J. Benes, Chicago, Ill., assignor to Enco Mfg. Co., Chicago, Ill.
Application February 14, 1944, Serial No. 522,334
3 Claims. (Cl. 29—48)



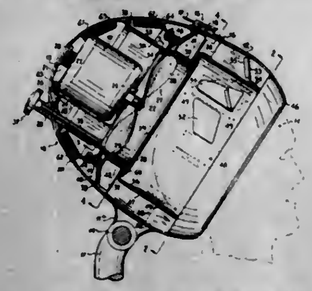
1. A tool-holding turret for lathes and like machines comprising a base attachable on the tool support of the machine, a post rising from the center of the base, a tool-holding headpiece mounted on the base, said headpiece being vertically perforated for the passage and upward projection of said post and rotatable about the same, an arm carried by the projecting part of the post in a horizontal position and having means to clamp the headpiece to the base when the arm is moved to vertical position, other means in part carried by the arm and in part by the headpiece to rotate the same when the arm is turned in a substantially horizontal plane about the post, said arm being pivoted to said projecting part by straddling the same, said clamping means being cams formed endwise on the straddling portions, the headpiece having a depression around the post defined by an inclined annular wall, and a removable wear-absorbing conical ring on the headpiece around the post and seating in said depression, said cams bearing down on the ring when the arm is moved as stated to depress the headpiece.

2,471,404
SEAL FOR FLOATING ROOFS
Irving E. Boberg, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application November 23, 1945, Serial No. 630,469
14 Claims. (Cl. 220—26)



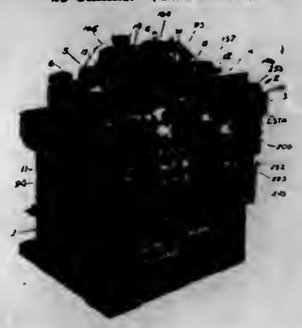
1. In a seal for a floating roof tank, sealing means comprising a hanger bar hingedly attached to the edge of the floating roof and extending upwardly, a shoe hingedly carried by the upper end of said hanger bar and adapted substantially to fit against the shell of the tank, a positioning bar hingedly attached to the hanger bar a a point substantially midway between the ends of the hanger bar and the positioning bar with one end of the positioning bar contacting the side of the roof and being permissibly movable thereagainst and the other end movably contacting the shoe, means for holding said ends of the positioning bar in said contacting relationship, and a secondary seal attached to the top end of the shoe and adapted to contact the shell of the tank, said secondary seal being carried by a second hanger bar hingedly attached to the floating roof and extending upwardly toward the shell of the tank.

2,471,405
HAIR DRIER
Ralph K. Boyer, Cleveland, Ohio, assignor to Designers for Industry, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 10, 1947, Serial No. 760,049
18 Claims. (Cl. 34—100)



1. In a hair drier of the character described, a housing having inner and outer shells defining substantially coaxial passages, said housing having a front opening adapted to receive a portion of a head of hair to be treated and said passages communicating adjacent said front opening and also communicating at a point spaced from said front opening so as to provide a path for circulating air within the housing for contact with said hair, the said outer shell having spaced openings therethrough, air flow creating means including a rotor having air impelling portions operable to produce air circulation in the respective coaxial passages, and an adjustable flow controlling means intermediate said shells for controlling the second-mentioned communication between said passages, the said air flow controlling means including a portion for channeling the flow of air from at least one of the openings in the outer shell to one of said passages and the flow of air through the other of said passages to a different one of said openings in the outer shell.

2,471,406
GRINDING MACHINE
Guenther Brinkmann, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application September 28, 1944, Serial No. 556,114
23 Claims. (Cl. 51—105)



1. In a machine tool, in combination with a base and a machine element slidably mounted on said base, spaced positive stops for limiting respectively the forward and rear limit positions of said element, an elongated intermediate stop member slidably disposed for engagement at one end with the forward limit stop, an intermediate abutment member mounted on said element and arranged for engagement at opposite ends respectively with said rear limit stop and the other end of said intermediate stop member, said intermediate stop member comprising a nonrotatable sleeve nut having an abutment plate at one end and an adjusting screw threaded into the other end of said nut and having an abutment shoulder at said other end for engagement with said forward limit stop, means extending through said forward limit stop in driving engagement with said screw for adjusting the latter, whereby to vary the overall length of said intermediate stop member to vary the permissable range of movement of said element.

2,471,407
CHUCK
Josef Budig, Elmont, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application April 17, 1945, Serial No. 588,758
4 Claims. (Cl. 279—33)

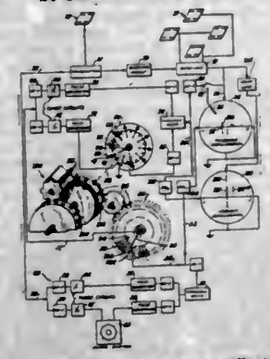
1. A flared article chuck assembly comprising three resiliently mounted rollers each roller be-

ing attached to a sleeve pivotally mounted on a supporting block which has a hollow pinion shaft depending therefrom and a pinion gear keyed to said pinion shaft, there being a ring gear common to all of the pinions, and means for simultaneously operating all of the rollers to swing them out of and into position with regard



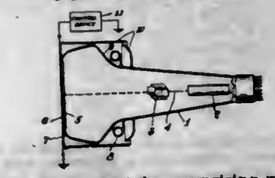
to the flange of a flared article, said means comprising a worm which cooperates with a gear attached to one of the pinions whereby when the worm is rotated it rotates the gear and pinion attached thereto and through the ring gear the other two rollers are swung at the same time and to the same degree to thereby center said flared article.

2,471,408
RADIO OBSTACLE DETECTION APPARATUS
Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application October 5, 1942, Serial No. 461,307
20 Claims. (Cl. 343—13)



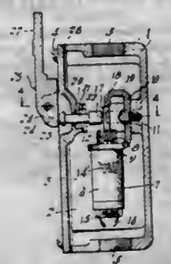
3. A method of producing and effecting movement of a reference indicator along the trace line of an oscillograph, comprising generating two series of pulses, one of said series of pulses being at a given frequency and the second of said series being at a frequency slightly different from said given frequency so that the pulses of the two series beat a given number of pulses apart along one of said series thereby producing an indicator pulse of greater amplitude than the pulses of either series, clipping off the energy of the pulses below the amplitude of the pulses of said series to segregate the peak portion of the indicator pulse, applying the indicator pulse thus segregated to the oscillograph for indicator indication at the trace line thereof, and effecting movement of the indicator pulse by retarding one of said series of pulses.

2,471,409
INDICATING TUBE SYSTEM
Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 13, 1945, Serial No. 615,934
4 Claims. (Cl. 250—164)



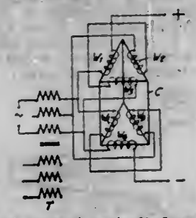
1. A cathode ray tube comprising means producing an electron beam, beam-deflecting means, a transparent surface in the path of said beam, a layer of magnetic particles distributed on said surface normally rendering said surface opaque, and a source of light behind said surface, said particles being conditioned to move in response to the impingement of the beam upon said layer to permit said layer to allow the transmission of light through selected portions of said layer.

2,471,410
BREAKABLE PLATE SWITCH CONTROLLING MECHANISM
Clarence Noel Cahusac, Newark, N. J., assignor to C-O-Two Fire Equipment Co., Newark, N. J., a corporation of Delaware
Application March 27, 1946, Serial No. 657,412
4 Claims. (Cl. 177—372)



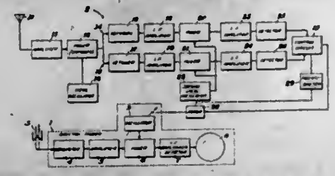
1. A control mechanism comprising a housing forming an enclosure for electric switch means, resilient means normally urging the switch from one circuit affecting position to another, holding means to restrain the operation of the switch, breakable means supported by the housing and wholly positioned therein and enclosed thereby, the breakable means operatively connected to the holding means to restrain the operation of the switch, and a breaking member carried in an apertured wall of the housing, the breaking member having an actuating portion extending outwardly from the housing and a breaking portion wholly enclosed within the housing to be actuated to rupture the breakable member, the housing preventing the escape of flying particles of the breakable member upon its rupture.

2,471,411
REACTOR
Per Harry Elias Claesson, Jakobsberg, Sweden
Application January 16, 1945, Serial No. 573,098
In Sweden September 17, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 17, 1963
6 Claims. (Cl. 171—242)



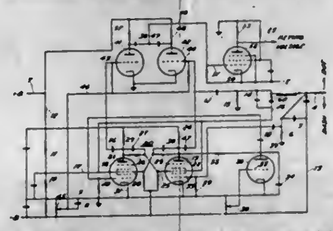
1. A direct current controlled reactor for multiphase current, comprising a saturable core composed of sections forming two closed paths of flux situated in two planes in combination with a plurality of legs connecting respective junctions of adjoining sections of one path with corresponding junctions of the other path, the number of sections being the same for each path, whereby there are formed a plurality of quadrangles each including a pair of legs and a section of each path, a plurality of alternating current phase windings each arranged on one side of a respective quadrangle whereby an alternating flux is induced in said sections and legs, and a plurality of direct current windings arranged on respective sections of at least one of said paths in such a manner that the unidirectional fluxes produced thereby add in the direction of said path but substantially cancel in each of said legs.

2,471,412
FREQUENCY CONTROLLED DIRECTION FINDER
Trevor H. Clark, Boonton, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 10, 1945, Serial No. 621,577
1 Claim. (Cl. 343—113)



In combination, a direction finding receiver for the reception of signals, whose carrier frequency is being varied having an antenna array, a goniometer supplied from said array, a converter stage for said receiver including an oscillator having motor controlled frequency adjusting means, a direction indicating means deriving signal energy from said converter; a control receiver including a converter stage and a local fixed frequency oscillator therefor providing sum and difference side band energy output of the received signal energy and said local oscillator energy frequencies, two channels connected to be supplied from said last named converter stage, one of said channels being tuned to pass the side band of the sum and the other channel the side band of the difference, said channels having asymmetrical resonance characteristics, symmetrical signal translating means for said channels means, a balanced control circuit for said channels, and motor means for controlling the tuning of said first named oscillator controlled from said control circuit.

2,471,413
PULSE CODE-SIGNALING SYSTEM
Claud E. Cleeton, Washington, D. C.
Application May 15, 1940, Serial No. 335,315
14 Claims. (Cl. 178—68)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

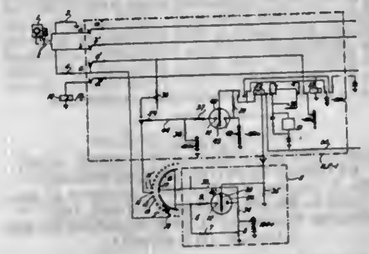


1. A pulse code-signaling system, comprising a locked electronic relay including two vacuum tubes each having at least two grids, an anode and a cathode; a respective anode resistor connecting each said anode to a common positive supply, a resistor and a capacitor connected in parallel between each said anode and a grid of the other tube whereby when either tube is conducting the potential drop across the respective anode resistor holds the other tube non-conducting, a storage capacitor connected in parallel with one said tube to be charged when said one tube is non-conducting and the other is conducting, a discharge device connected in parallel with said storage capacitor held non-conducting until said storage capacitor reaches a predetermined potential and then becomes conducting to discharge said storage capacitor, means to apply to another grid of said other tube a negative potential when said storage capacitor discharges to render said other tube non-conducting and thereby render said one tube conducting, a first capacitor connected to charge from said supply, a key movable in one direction to discharge said first capacitor, means connecting another grid of said one tube to said first capacitor to apply a negative pulse to said other grid to render said one tube non-conducting when said first capacitor is discharged; two amplifying tubes each having a cathode, a grid and an anode, means to apply a blocking bias to said amplifying tubes, means connecting each said amplifying tube to a respective said relay tube anode whereby when a relay tube is changed from conducting to non-conducting condition a positive pulse is applied to the respectively connected amplifying tube grid to unblock momentarily such tube, a keying tube biased to be conducting, means connected to both amplifying tubes and to said keying tube to apply to said keying tube a pulse to block momentarily said keying tube when either amplifying tube conducts, means to derive a positive keying pulse from said keying tube when blocked, a second capacitor connected to charge from said source, means to connect said second capacitor to said key to discharge said second capacitor when said key is moved in another direction, and means to apply a positive pulse to the grid of one of said amplifying tubes to unblock momentarily such amplifying tube when said second capacitor is discharged, whereby a pair of keying pulses is set up when said key is moved in said one direction and a single pulse when said key is moved in said other direction.

2,471,414
CONDITIONING MINERALS FOR FILM CONCENTRATION
John Dasher, Galveston, Tex., and James E. Norman, Malvern, Ark.
No Drawing. Application January 11, 1945, Serial No. 572,441
3 Claims. (Cl. 209—9)

1. The process of concentrating a cassiterite mineral mixture which comprises, forming a thick pulp containing the minerals to be separated, elevating the temperature of the pulp to substantially 50° centigrade, agitating the heated pulp in the presence of a higher fatty acid collector reagent, adding unheated liquid to the hot pulp, and thereafter selectively separating the filmed mineral from the gangue.

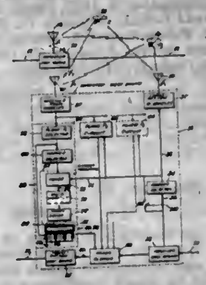
2,471,415
TELEPHONE CALLING LINE IDENTIFICATION SYSTEM
Gerald Deakin, New York, N. Y., William Hatton, South Orange, N. J., and Lucien A. B. Cabes, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 30, 1943, Serial No. 485,262
In France May 22, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires May 22, 1960
25 Claims. (Cl. 179—18)



1. In a telecommunication system, a plurality of lines, a discharge device, a switching mechanism, means for operating said mechanism for successively connecting said lines to the discharge device, means operative upon the connection of the device with the calling line for actuating said discharge device, means controlled by the device for stopping said mechanism, and means independent of said switching device for maintaining said discharge device operated.

2,471,416
RADIO COMMUNICATING SYSTEM
Edmond M. Deloraine, Paris, France, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 28, 1946, Serial No. 657,710
6 Claims. (Cl. 250—6)

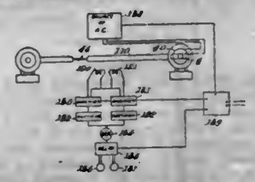
1. A communication system for mobile stations moving along a route comprising: a main station for transmitting a multichannel electromagnetic pulse wave having given reserved pulse channel positions for the insertion of pulses from said mobile stations, means for transmitting said wave along said route including a chain of repeaters for transmitting at least selected channel pulses of said wave to vehicles along said route and receiving pulse waves including signal modulated pulses from said mobile stations, said repeaters including means operative under the control of said selected channel pulses and said pulse waves from said mobile stations for inserting the signal modulated pulse waves from said mobile stations



in said given reserved positions on the original pulse wave transmitted from said main station, and means for returning the resulting multichannel signal modulated pulse wave to said main station.

2. The system of claim 1 wherein said main station includes means for producing marker pulses interleaved at regular intervals along said multi-channel pulse waves and said repeaters include means for transmitting to said mobile stations said marker pulses from at least one of said multichannel pulse waves for automatically measuring the distance between said mobile stations and said repeaters.

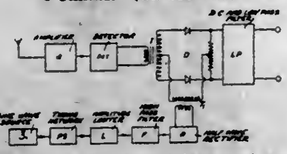
2,471,417
DEVICE FOR LOCATING FAULTS IN CABLES
Howard S. Dimmick and Felton S. Jenkins, Philadelphia, Pa.
Application December 22, 1943, Serial No. 515,306
4 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A system for locating faults in a cable comprising, a source of potential varying with time, means for applying said potential between the separate conductors of the cable, fault locating means including two pick-up coils assembled on a non-magnetic ring-shaped core surrounding the cable and spaced along the periphery of the ring so that the angle between the magnetic axes is substantially a right angle, means for moving the cable relative to and in inductive relation to the pick-up coils, separate amplifying means con-

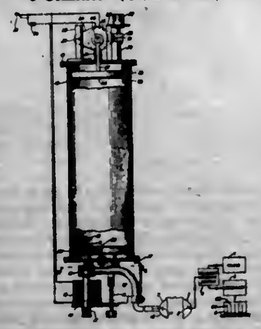
nected to the output of each coil, rectifying means connected to the output of each amplifying means and indicating means responsive to the sum of the outputs of the rectifying means.

2,471,418
INTERFERENCE REDUCING RADIO IMPULSE RECEIVER
Charles William Earp, London W. C. 2, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application September 9, 1942, Serial No. 457,786
In Great Britain January 17, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires January 17, 1961
4 Claims. (Cl. 250—20)



1. System for the demodulation of a carrier wave present in the form of pulses occurring at a given rate of repetition, said pulses being modulated in respect to one of their characteristics for the conveyance of intelligence, comprising means for detecting the received carrier wave in respect to said pulses, a source for providing a comparison wave having substantially the same repetition frequency and phase as the pulses of said carrier wave, a second detector circuit for said signal conveying pulses, means for differentially modulating said signal pulses by the pulses of said comparison wave, whereby a resultant pulse wave is obtained having an improved signal to noise ratio and having said given repetition frequency, and means for filtering out said repetition frequency for application to a utilization circuit.

2,471,419
TUNABLE RESONANT CAVITY WITH ADJUSTABLE WALLS
William A. Edson, New York, N. Y., and Walter F. Kannenberg, Lyndhurst, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 7, 1944, Serial No. 543,830
5 Claims. (Cl. 178—44)



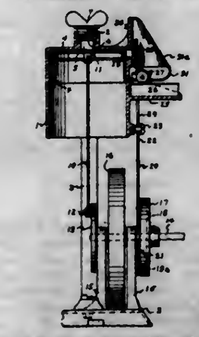
4. A cylindrical resonance chamber having two plane interior walls at opposite ends of the chamber, one of said walls being mounted on the chamber for motion in a direction perpendicular to its plane into positions such as to maintain its interior surface parallel to its original position, the opposite plane wall having a pivotal mounting with respect to said chamber, and means for adjusting the plane of said opposite wall into parallelism with the first wall.

2,471,420
COLLAPSIBLE STEAM TABLE
Lauren N. Elkin, United States Army, Oakland, Calif.
Application May 24, 1945, Serial No. 595,621
6 Claims. (Cl. 126—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A portable knockdown steam table comprising a rectangular steam chest of sheet metal; a plurality of spaced studs at the bottom of said steam chest; detachable legs apertured to interfit with said studs; a pair of flat sheet metal members so constructed and arranged as to form the end walls of a combustion chamber when said steam table is assembled; a rectangular supporting member for a fire unit, said supporting member being adapted to form the bottom of said combustion chamber when said steam chamber is assembled; and shield means hingedly connected to opposite bottom edges of said steam chest and adapted to lie flat against said steam chest when said steam table is knocked down and to depend downwardly from said steam chest so as to form front and rear walls of said combustion chamber when said steam table is assembled, the shield means forming said front wall being so constructed and arranged as to permit access to said fire unit when said steam table is assembled.

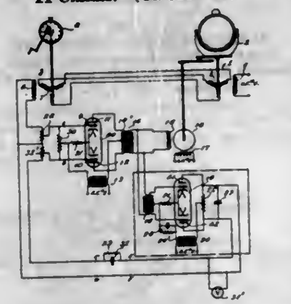
2,471,421
ATMOSPHERIC PRESSURE ENGINE WITH LATERAL SUPPORT FOR BURNERS
Orville Z. Frazier, Elkhart, Ind., assignor of one-half to Harold Andresen, Elkhart, Ind.
Application September 11, 1945, Serial No. 615,676
3 Claims. (Cl. 60—34)



1. In an engine, the combination with a cylinder having an inlet port, a burner in exterior

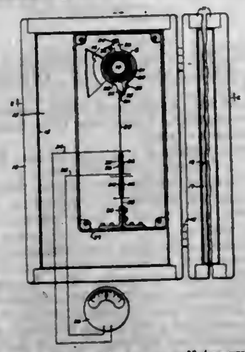
proximity to said port, a support for said burner laterally carried by the cylinder, a valve member exteriorly slidable on the cylinder to control said port, and an actuator for the valve member apertured to accommodate said support.

2,471,422
POSITION AND SPEED CONTROL SYSTEM
William F. Frost, Williston Park, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application July 9, 1943, Serial No. 494,010
11 Claims. (Cl. 318—30)



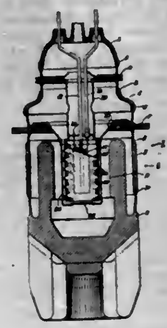
1. In a speed control for motors, the combination with an electric motor, means for supplying E. M. F. thereto in periodic pulses of a magnitude and phase variable with the desired speed and direction, an amplifier connected to the winding of the motor in which a counter E. M. F. is generated substantially proportional to its speed, means for rendering said amplifier effective only between said pulse periods, and a feed-back from the output of said amplifier to modify said first means.

2,471,423
TESTER FOR BEARINGS
Henry Gisser, Philadelphia, Pa.
Application October 30, 1946, Serial No. 706,790
3 Claims. (Cl. 73—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A device for testing a small torque occurring at a low speed in an antifriction bearing, including, a casing in which the operative parts of the device are housed, a motor having a shaft for rotating the bearing, an elongated flexible spring having one end fixed in said housing and having its opposite end free and positioned adjacent said shaft so as to be engaged by a head carried by the bearing undergoing test which is mounted on the shaft, a strain responsive unit fastened to said spring so that flexure of the spring varies the resistance of the strain responsive unit, and an electric indicating circuit connected under the control of said strain responsive unit so as to indicate the variation of the resistance of said strain responsive unit.

2,471,424
ELECTRON DISCHARGE DEVICE
John J. Glauber, West Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 9, 1944, Serial No. 557,880
17 Claims. (Cl. 250—27.5)



6. An electron discharge device comprising a pair of adjacent electrode structures, one of said structures having a plurality of surfaces, one of said surfaces being more susceptible to injury by arcing thereto than the other of said surfaces, and means reinforcing the other structure, and providing a shorter arcing path between said other structure and the less susceptible surface than between the other structure and the more susceptible surface.

2,471,425
DEVICE FOR CONTROLLING THE RELEASE OF HIGH-PRESSURE FLUID MEDIUMS
Harry C. Grant, Jr., New York, N. Y., and Arthur E. Reichard, North Arlington, N. J., assignors to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application January 13, 1944, Serial No. 518,070
19 Claims. (Cl. 74—479)

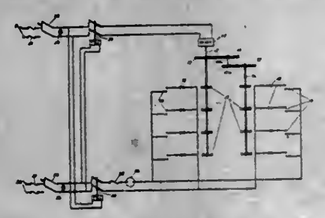
1. In a device of the class described, the combination of a substantially cylindrical casing member having an open end and an annular end face adjacent the open end, a conduit member having a segmental annular base portion secured to said face and having a segmental cylindrical wall portion provided with a tubular conduit portion; and a cover member for said casing having a cylindrical wall provided with an opening for receiving said wall of said conduit

member and having an annular outwardly extending flange adapted to be attached to said



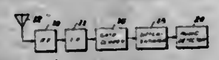
face, said flange having an opening for receiving the base portion of said conduit member.

2,471,426
TIME CYCLING DEVICE
Richard H. Grant, Brooklyn, N. Y.
Application October 26, 1945, Serial No. 624,913
2 Claims. (Cl. 161—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



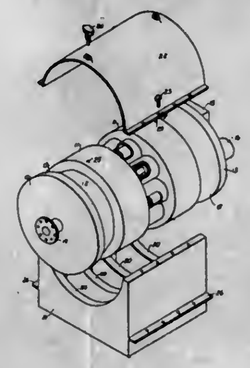
1. A time cycling system for laboratory tests comprising a synchronous motor, a plurality of timing switches adapted to be actuated by said motor, a pair of power input circuits one adapted to drive said motor and the other connected to said timing switches, an output circuit connected to said switches and provided with terminals for connecting apparatus under test, and two relays, each of said relays being energized from a respective one of said input circuits and having contacts arranged to open the other of said input circuits upon deenergization of said respective one of said input circuits.

2,471,427
INTERFERENCE REDUCING AMPLITUDE MODULATION DETECTOR
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application April 16, 1943, Serial No. 483,366
20 Claims. (Cl. 250—20)



8. A system for minimizing the effects of distortion of the signal envelopes of amplitude modulated carrier waves comprising a first means to translate the undulations of the amplitude modulated wave into trapezoidal wave form the slope of the side edges of the wave cycles of which correspond proportionately to the amplitude of the corresponding undulations of the carrier wave as they normally occur in absence of interference, means to apply a carrier wave to said first means, and a second means for translating the trapezoidal wave form into pulses which vary in amplitude according to the slopes of the side edges of the wave cycles, said pulses defining signal envelopes substantially identical to the signal envelopes of the carrier wave as it was initially modulated.

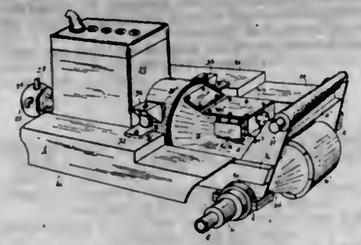
2,471,428
BARREL ENGINE MOUNTING
Edwin S. Hall, Farmington, Conn.
Application August 27, 1945, Serial No. 612,838
6 Claims. (Cl. 121—194)



2. An engine mounting for a barrel engine comprising a box for an oil sump with half-journal bearings formed therein, said engine rotatable bodily in said half-journal bearings, a cover removably fastened to said box and forming therewith a closure about said engine, and means for preventing the rotation of said engine in said mounting when said cover is in place.

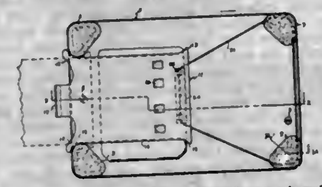
2,471,429
MOUNTING FOR THE DRIVING AND OPERATING MECHANISMS OF INDUSTRIAL TRUCKS
Paul E. Hawkins, Lakewood, Ohio, assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio
Application October 4, 1944, Serial No. 557,172
5 Claims. (Cl. 180—54)

1. In a vehicle of the class described, the combination of a chassis, wheels for supporting one end of said chassis, said chassis being provided at its opposite end with spaced collars, a housing having laterally extending tubular members rigidly connected thereto and rotatably fitting said collars and extending therethrough, wheels rotatably mounted on the outer end portions of said tubular members, a differential in said housing drivingly connected to said last mentioned wheels, a unitary power mechanism for driving the last mentioned pair of wheels through said differential, said mechanism consisting of a power plant and a transmission enclosed in a housing, said last mentioned housing being rigidly connected to the front wall of said power plant and said first mentioned housing, and yieldable supporting means



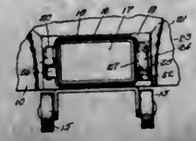
between said mechanism and said chassis, whereby the vibrations of said mechanism about the axis of said driven wheels relative to said chassis are dampened.

2,471,430
TELEPHONE NUMBER LISTING ATTACHMENT
Glenn A. Higbee, Detroit, Mich.
Application January 19, 1945, Serial No. 573,500
19 Claims. (Cl. 40—10.5)



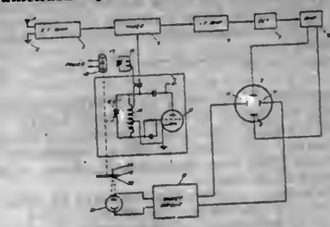
2. In combination with a telephone stand having a plurality of spaced underlying supporting feet, a slide fitted between and guided by two of said feet, stops on said slide engageable with the two last-mentioned feet to limit retraction of the slide, and an extensible resilient connection from the rear end portion of the slide to the stand, yieldably assisting retraction of the slide and coacting with said stops to mount the slide on the stand.

2,471,431
VACUUM CLEANER BAG ATTACHMENT
Frank S. Howard, Chicago, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application November 6, 1946, Serial No. 708,158
9 Claims. (Cl. 285—143)



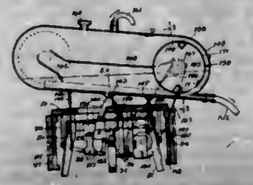
1. In a vacuum cleaner including an exhaust port for dirt-laden air and a removable filter into which said air is exhausted, means for attaching the filter to the port comprising a socket adjacent one side of the port having an opening extending laterally of the longitudinal axis of the port, an annular member attached to the margin of an opening in the filter and arranged to cooperate with said port, an extended portion on one side of the annular member for engagement with said socket, and means for removably attaching the opposite side of the annular member to the vacuum cleaner.

2,471,432
WAVEMETER TO CALIBRATE PANORAMIC RECEIVERS
Lewis F. Jagri, Dayton, Ohio
Application August 11, 1944, Serial No. 549,083
14 Claims. (Cl. 250—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a tunable receiver including a tunable self-oscillating circuit to determine the response frequency of said receiver, and an indicator coupled to the output of said receiver for translating a signal to which said receiver is tuned; the combination therewith of means for accurately indicating the frequency of said signal comprising a power-absorbing circuit coupled to said self-oscillating circuit and tunable over the same frequency range as said self-oscillating circuit, said power-absorbing circuit being calibrated in frequency, the degree of coupling between said circuits being such that the amplitude of the output of said self-oscillating circuit is materially reduced when both circuits are tuned to the same frequency.

2,471,433
CLOTHES-WASHING MACHINE
Leo M. Kahn, New York, N. Y.
Application April 16, 1943, Serial No. 483,230
3 Claims. (Cl. 68—23)



3. In a laundry machine, in combination, a support, an elongated tank rockably mounted on said support, means in said support connected to said tank for rocking said tank, a drum disposed in said tank for rolling movement from one end of the tank to the other as the tank is rocked, means at each end of said tank for limiting the movement of said drum therewithin, means for locking said drum at one end of said tank, and means forming a driving connection between said tank rocking means and said drum for rotating said drum when it is in said locked position.

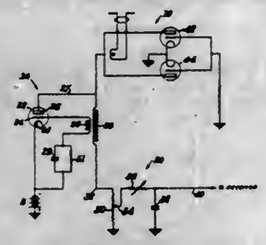
2,471,434
DRY SALAD DRESSING
Mary H. Kimball, Chastain G. Harrel, and Robert O. Brown, Minneapolis, Minn., assignors to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware
No Drawing. Application February 18, 1946 Serial No. 648,559
3 Claims. (Cl. 99—144)

1. A dry powdered salad dressing capable of being held in storage for long periods of time without substantial deterioration and capable of being mixed with an aqueous solution to produce a wet salad dressing and consisting of a powdered dried shortening, powdered egg yolk, and powdered condiments, the dried powdered shortening being in particle form and the particles consisting of fat globules encysted in gelatinized flour and sugar.

2,471,435
INGREDIENT FOR PREPARED FOOD MIXES AND PROCESS OF PREPARING SAME
Mary H. Kimball, Chastain G. Harrel, and Robert O. Brown, Minneapolis, Minn., assignors to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware
No Drawing. Application February 18, 1946 Serial No. 648,560
6 Claims. (Cl. 99—144)

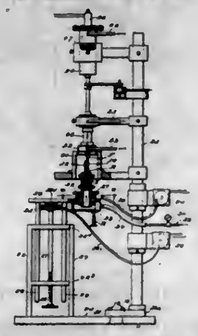
1. As an ingredient for prepared mixes, dry particles consisting of fat globules and egg fractions encysted within a gelatinized starchy substance and sugar.

2,471,436
TRANSMITTER-RECEIVER SYSTEM
Emile Labin, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application January 4, 1943, Serial No. 471,228
1 Claim. (Cl. 250—13)



A radio-transmitter-receiver system, comprising a transmitter, an associated receiver, an impulse generator including a thermionic device having a plate, a grid and a cathode, an oscillatory circuit including an inductance connecting said grid and cathode, a circuit for supplying negative blocking pulses to said receiver, including timing elements, an inductance element coupled to said first named inductance for receiving energy therefrom having one end connected to said plate and to said transmitter and the other end to said blocking pulse supplying circuit, whereby corresponding positive pulses are supplied to said transmitter and negative ones to said pulse supplying circuit, said negative pulses being supplied ahead of the corresponding positive ones to block the receiver.

2,471,437
METHOD AND APPARATUS FOR PRODUCING SAPPHIRE HOLLOW ARTICLES
Raymond Holmes Lester, Pittsburgh, Pa., and Melvin Croxall Cannon, Aurora, Ill., assignors to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois
Application April 19, 1945, Serial No. 589,250
5 Claims. (Cl. 49—1)

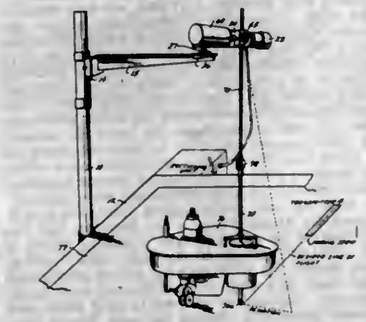


4. An apparatus for making an annular article of refractory material, which comprises a base, a member rotatably supported on said base and having a refractory portion and means whereby to rotate the same about an axis, a blast burner supported on said base and positioned to deliver a jet in the direction substantially parallel to said axis with said jet impacting the member at a limited region eccentric to said axis, means associated with the blast burner for supplying the same with combustible gas and particles of refractory whereby the jet is a high temperature flame and contains molten particles of the refractory which are deposited upon said refractory portion at said limited region for producing the annular article as the member rotates, said member having an axial aperture, and means whereby to deliver a gas into said aperture so that the gas flows in the direction substantially opposite to the direction of movement of said molten particles in the jet and through the member and the article as the latter is deposited.

2,471,438
PROCESS OF MAKING A FURFURYL ALCOHOL RESIN
Purnal L. McWhorter, Jr., Odessa, Del., assignor to Haveg Corporation, Newark, Del., a corporation of Delaware
No Drawing. Application March 2, 1946, Serial No. 651,673
9 Claims. (Cl. 260—67)

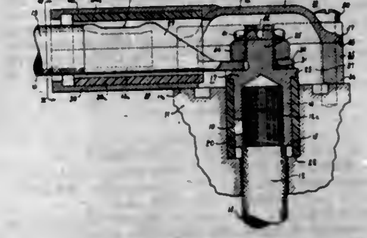
1. In the process of producing an initial, resinous condensation product in which a furfuryl alcohol-containing material selected from the group consisting of furfuryl alcohol and mixtures of furfuryl alcohol and not more than 15% furfural is condensed by acid and heat, the steps which comprise adding a portion of the acid to said furfuryl alcohol-containing material heated to a temperature not appreciably less than 85° C. and below the boiling point of the furfuryl alcohol-containing material, said material being buffer-free and of insufficient acidity to cause liberation of appreciable exothermic heat at said temperature; controlling the amount of acid added and the temperature of the reaction mixture to initiate and continue the condensation of said furfuryl alcohol-containing material with the accompanying liberation of exothermic heat and to establish a boiling point of the reaction mixture below 160° C. by said exothermic heat; reacting the mixture in a boiling condition below 160° C.; and adding the remainder of said acid to continue the reaction mixture in a boiling condition below 160° C. to obtain the initial, resinous condensation product.

2,471,439
DEVICE FOR SIMULATING RUNWAY LOCALIZER AND GLIDE PATH BEAMS FOR TRAINING PURPOSES
Grant C. Melvin, Springfield, Peter C. Jones and Stanley B. White, Dayton, Ohio
Application November 14, 1945, Serial No. 628,646
7 Claims. (Cl. 35—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A blind landing training device for simulating localizer radio beam reception and for simulating flight at a predetermined rate of descent for use in conjunction with a pilot training unit having an altimeter system for simulating altitude changes and a recorder adapted to traverse a radio beam chart at a predetermined rate proportional to simulated horizontal trainer speed, comprising, a first mechanical linkage system adapted to be actuated by said altimeter system, a second mechanical linkage system adapted to be actuated by motion of said recorder, electrical means actuated by said linkage systems to effect respective voltages proportional to respective degrees of actuation wherein equal degrees of actuation effect equal voltages, means associated with said electrical means including an indicator for comparing said voltages to provide an index of rate of descent with respect to said recorder motion, each linkage system having a member actuatably engaging respective electrical means, said members being arranged to move in synchronization during simulated flight at said predetermined rate of descent and predetermined recorder motion whereby said electrical means are actuated at the same rate to effect equal voltages for providing an on-course indication of said indicator, including additional electrical means actuated by said second mechanical linkage system, said first mentioned electrical means comprising a distance-to-station variocoupler and said additional electrical means comprising a localizer variocoupler, means for mounting the rotational axes of the primaries of said variocouplers perpendicular to each other, said member of said second mechanical linkage system comprising a rod coupled to said recorder and adapted to rotate said primaries in response to motion of said recorder, whereby the comparative degrees of rotation of said primaries is proportional to the components of recorder traverse in directions perpendicular to respective axes, and an electrical circuit including a localizer indicator associated with said localizer variocoupler, and wherein said mounting means comprises a bracket adapted to be secured in fixed position with respect to said radio beam chart and adapted to support said distance-to-station variocoupler, a second bracket rotatably integral with the primary of said last named variocoupler and adapted to rotate said primary, said localizer variocoupler being secured to said latter bracket, a rotatable member secured to said latter bracket and adapted to rotate in a plane perpendicular to the axis of the primary of said localizer variocoupler and being secured to said primary for rotation thereof, said rod being guided for reciprocal motion with respect to said rotatable member whereby angular motion of said rod with respect to the axes of said primaries effects rotation thereof.

2,471,440
ELECTRICAL CONNECTOR DEVICE
George M. Mierley, Havertown, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 31, 1947, Serial No. 795,083
1 Claim. (Cl. 174—59)



The combination with a casing structure having an opening adapted to contain an inner cable section and associated with an adjacent outer cable section adapted to be disposed along the surface of said casing substantially normal to said inner cable section, of an electrical connector of the character described comprising an insulating bushing fitted into said opening, a binding post member having a sleeve portion received in said bushing and secured over the end of said inner cable, said binding post member having a collar portion abutting said end of said insulator bushing and an outwardly projecting screw-threaded stud portion, a lug secured to the end of said outer cable section and having an off-set terminal portion apertured to receive said stud portion of the binding post member and engageable with said collar portion, locking nut means for detachably securing said lug to said binding post member, a split insulating bushing for protecting said lug portion, a housing carried on said casing structure having a body portion for enclosing said binding post member and a channel portion adapted to underlie the adjacent end of said outer cable, section, a cover section adapted to close said housing section and including a channel portion cooperative with the first-named channel portion for retaining said split bushing

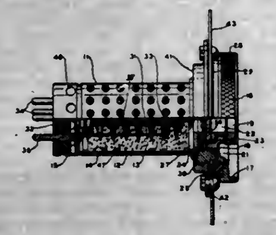
and said lug, and a plurality of fastening means cooperative with said housing and casing structure, said fastening means being equally spaced to facilitate mounting of said housing to accommodate said outer cable section in the most convenient angular position relative to the axis of said binding post.

2,471,441
COMBINATION LIPSTICK AND ROUGE CONTAINER
Alfreda Bowman Moore, Chicago, Ill.
Application December 14, 1945, Serial No. 634,939
1 Claim. (Cl. 132—79)



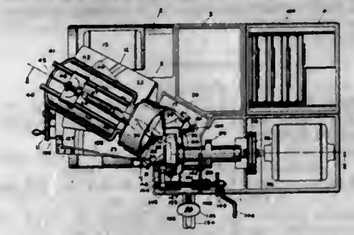
A combination lipstick and rouge container comprising a base, a tubular housing extending upwardly from said base, a lipstick vertically positioned in said tubular housing and adapted to move vertically within said tubular housing for use as it projects out the top thereof, an elongated tubular sleeve cover adapted to telescope said tubular housing, a cup press fitted in the top end of said sleeve cover, a rouge pad in said cup, and a removable cap for the top end of the sleeve cover and the rouge pad, whereby the cap may be removed from the sleeve cover to permit use of the rouge and/or the sleeve cover may be removed from the tubular housing to permit use of the lipstick.

2,471,442
DESICCATOR CARTRIDGE
Frederick P. Morf, Little Silver, N. J.
Application May 18, 1945, Serial No. 594,466
2 Claims. (Cl. 183—4.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A desiccator unit cartridge comprising a perforated cylindrical outer body closed at one end, a cylindrical screen within said outer body and in contact with the latter throughout its length, an inner coaxial cylindrical screen spaced from said first named screen to provide therebetween an annular space for hygroscopic material, electrical heating means in said annular space for reactivating the hygroscopic material, a flanged head at the other end of said body, said flanged head including means for attaching said cartridge to a body to be desiccated.

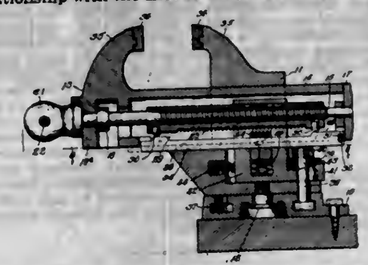
2,471,443
DRILL GRINDER
Gordon Munro, Bremerton, Wash.
Application October 10, 1945, Serial No. 621,643
12 Claims. (Cl. 51—55)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a drill grinder, a frame, an arm mounted on said frame for substantially planar oscillatory movement, a grinding wheel rotatably mounted on said arm and having a grinding face in a plane substantially parallel to the plane of oscillation of said arm, a lower base supported on said frame for longitudinal adjustment with respect to said grinding wheel, an upper base supported on said lower base for angular adjustment with respect thereto, a yoke mounted on said lower base for pivotal movement on a vertically disposed axis, drill holding means mounted on said yoke for pivotal movement on a horizontally disposed axis and adapted to secure a drill for rotation about its axis in position for the point thereof to contact said grinding wheel, a shaft rotatably mounted in said drill holding means, means for transmitting rotary movement of said shaft to a drill secured in said drill holding means, cam means secured to said shaft and rotatable therewith, means on said upper base with which said cam means is cooperable to swing said yoke about its vertically disposed axis of pivoting and said drill holding means about its horizontally disposed axis of pivoting upon rotation of said shaft, a drive shaft rotatably mounted on said frame, means for transmitting rotary movement of said drive shaft to said first named shaft, and means operatively connecting said drive shaft to said arm to impart oscillatory movement to said arm upon rotation of the drive shaft.

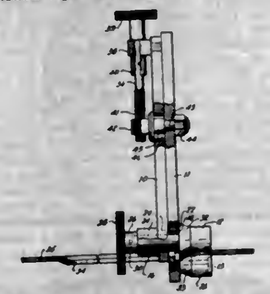
2,471,444
BASE LOCK FOR VISES
Ray M. Nelson, Rock Island, Ill., assignor to Birtman Electric Company
Application May 2, 1945, Serial No. 591,548
10 Claims. (Cl. 81—28)

10. A vise comprising a base, a body portion rotatably mounted on the base, a fixed jaw structure forming a part of said body portion, a movable jaw structure movable within said body portion, a rotatable bolt in said movable jaw structure, a nut in which the bolt turns for clamping the two jaws of the vise together, serrations on said nut, a wedge member attached to the base, a second wedge member movably mounted in the body portion for cooperation with the first wedge member, said first wedge member being rotatable with the body portion of the vise when the two wedge members are out of wedging contact, and a ratchet in said second member movable into and out of contact with the nut and having serrations thereon for cooperation with the serrations provided on the nut whereby the movable second wedge member is moved into wedging relationship with the first as the jaws are tightened



by rotation of the bolt, said movement being caused by movement of the nut along the bolt.

2,471,445
SHEET METAL BENDING TOOL
Thomas J. Nicholas, Boise, Idaho
Application December 28, 1944, Serial No. 570,150
4 Claims. (Cl. 81—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

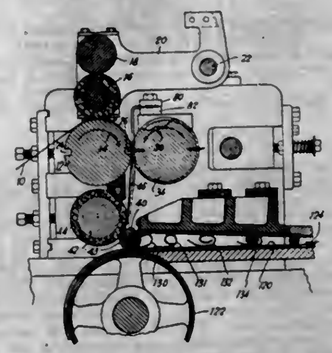


1. A light portable hand-operated tool for bending the edge portion of sheet metal at a slant from the main part thereof, said tool consisting of a pair of supporting members connected to be adjustable longitudinally on each other, a pair of bending members each including cam means thereon, one bending member on each of said supporting members and at least one thereof being rotary, adjusting means including an element on one supporting member and a bolt with an operating knob on the other supporting member and having threaded engagement with said element, for adjusting said supporting members and thereby forcing the bending members upon the sheet metal and enable gradual bending of the edge portion, and hand-engaged and actuated means connected with said rotary bending member to cause it to roll over the sheet metal in performing the edge bending operation.

2,471,446
MEANS AND METHOD OF TREATING BARIUM SULFATE WITH CARBONATES
James E. Norman, Birmingham, Ala.
No Drawing. Application June 25, 1946, Serial No. 679,275
5 Claims. (Cl. 252—8.5)

1. In the method of producing barium sulphate for a drilling mud admix from a concentrate containing metallic sulfide as an impurity, the steps of selectively filming the concentrate by a filming agent, subjecting the filmed concentrate to a froth flotation to obtain a flotation product, heating the flotation product to remove the filming agent, and adding barium carbonate to react with the sulfurous and sulfuric acid impurities formed by heating so as to render such impurities innocuous in the drilling mud.

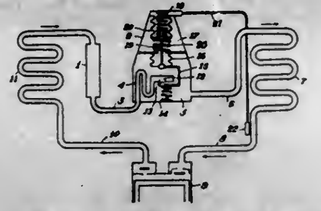
2,471,447
WEB FEEDING AND CUTTING MACHINE
Hiram A. Perkins, deceased, late of Rochester, N. Y., by Stuart L. Perkins, Rochester, N. Y., and Madeleine P. Hathaway, Essex County, N. J., executors, assignors to Setter Bros. Inc., Cattaraugus, N. Y., a corporation of New York
Application September 2, 1944, Serial No. 552,424
3 Claims. (Cl. 164—84.5)



1. In a machine for forming rod-like articles by tightly convoluting web sections, means including web tensioning and tearing crimping rolls normally initiating the convolution of severed web sections, the crimping rolls feeding successively severed web sections to the convoluting zone, normally continuously rotating web severing rolls continuously feeding the uncut and unsevered web toward the crimping rolls, one of the severing rolls having several cutter sections closely spaced from each other along the length of the roll and distributed across the entire width of the web, said sections projecting outwardly of the circumference of their supporting roll and being axially aligned along the roll, the other severing roll being recessed inwardly from its circumference to receive said cutter sections when the web is cut, the roll carrying the cutter sections having circumferential grooves arranged at positions in registry with the spaces between the successive cutter sections, small diameter spring rods acting as web guides with each rod extending substantially tangentially from the infeed side of the web severing rolls through the part of a groove in the web severing zone and thence to a position of close proximity to the infeed position of the crimping rolls, said rods being fixed at positions near their upstream ends and having their opposite ends biased toward one of the crimping rolls, there being one of said rods for each of said circumferential grooves which are of a radial depth greater than the rod diameter, and means rotating the crimping rolls at a surface speed sufficiently greater than that of the severing rolls to tension the web across the recessed section of

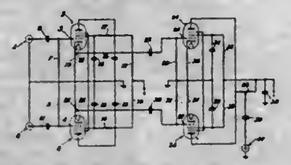
said severing roll just prior to and during the web cutting action and to create enough pull on the web to tear the web at its uncut parts of the positions of said guide rods.

2,471,448
BUILT-IN HEAT EXCHANGER IN EXPANSION VALVE STRUCTURE
Edmond D. V. Platon, Paris, VII, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 24, 1943, Serial No. 480,413
In France March 18, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires March 18, 1961
6 Claims. (Cl. 62—115)



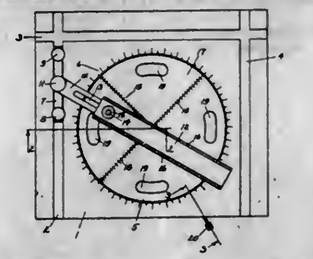
1. A method of refrigerating with a vaporizable refrigerating liquid in a refrigerating system having an evaporator, which comprises compressing the refrigerant to form a high pressure liquid, precooling the high pressure liquid in a first zone by conducting it therethrough in heat exchange relationship with low pressure liquid refrigerant in a second zone, expanding the high pressure liquid from said first zone into said second zone, after it has been precooled, to form low pressure fluid, conducting such low pressure fluid to the evaporator, and preventing the expansion of the high pressure liquid refrigerant whenever liquid refrigerant is leaving the evaporator.

2,471,449
MIXER CIRCUIT USING CATHODE FOLLOWER FEED-IN STAGES
Ralph B. Reade, Larchmont, and Donald D. Grieg, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 8, 1945, Serial No. 633,835
1 Claim. (Cl. 178—44)



An electrical circuit for producing an output voltage which is proportional to the algebraic sum of corresponding instantaneous values of a plurality of signals over a wide band of frequencies, comprising a plurality of low-gain linear cathode follower amplifiers incorporating negative feedback and having low impedance output circuits, means for applying said signal to said linear amplifiers, means coupled to each of said linear amplifiers for preventing intermodulation therebetween, said last-mentioned means comprising a plate decoupling resistance connected in series with the plate voltage supply of said linear amplifiers and a by-pass condenser shunted across the series between said supply and said resistance; a plurality of low-gain negative feedback amplifiers having a common plate load across which the output signal voltages may be developed, means coupling said negative feedback amplifiers to said low gain linear amplifiers, voltage tapping arrangements coupled to each of said low-gain amplifiers across the cathode follower resistances thereof for controlling the gain thereof, means coupled to said negative feedback amplifiers for preventing intermodulation therebetween, and output means coupled to said common plate load and conducting the linearly mixed output signals therefrom.

2,471,450
VECTOR SOLVER
John J. Reza, Vallejo, Calif.
Application May 16, 1945, Serial No. 594,135
3 Claims. (Cl. 33—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

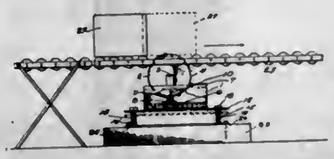


1. In a device of the character described, a base plate having at least one slot and a substantially circular central opening in the upper face thereof and having an angular scale surrounding said central opening, a substantially circular disc fitted into said opening and being freely rotatable therein about the center of said angular scale and having at least one radial linear scale on the upper face thereof, whereby said linear scale may be rotated to any desired angle with respect to said angular scale, braking means to prevent undesired rotation of said disc, a guided element slidably mounted in said slot, an arm pivotally mounted on said guided element, and a member having a second linear scale slidably mounted on said arm, whereby the origin of said second linear scale may be placed over any point on said first linear scale and at any desired angle thereto.

2,471,451
SOLDERING FLUX
William H. Rinkenbach, Dover, and Arthur J. Clear, Rockaway, N. J.
No Drawing. Application June 22, 1945, Serial No. 601,053
2 Claims. (Cl. 148—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A non-corrosive soldering flux consisting essentially of 48 to 52 parts of rosin, 14 to 16 parts of stearic acid, and 33 to 37 parts of petroleum jelly, all parts being by weight, said flux being substantially free of chemical compounds which cause corrosion of metals.

2,471,452
ROLLER PRINTER FOR CONVEYERS
Shy Rosen, United States Army, Washington, D. C.
Application September 7, 1945, Serial No. 615,060
4 Claims. (Cl. 101—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A portable automatic imprinting device for imprinting the bottom of an object moving over a conveyer spaced from the ground, said imprinting device being adapted to be moved into cooperative relation selectively either with a conveyer section recessed to permit said imprinting device to protrude through said conveyer section, or with two substantially parallel conveyer sections laterally spaced from each other to permit said imprinting device to protrude between said conveyer sections; said imprinting device comprising: a ground-engaging support unconnected to said conveyer, an imprinting fluid reservoir, yieldable means securing said reservoir to said ground-engaging support and urging said reservoir upwardly, a horizontal shaft across said reservoir above the imprinting fluid level, a printing roller on said shaft, and means responsive to rotation of said printing roller for transferring imprinting fluid from said reservoir to said printing roller; whereby said printing roller is positively urged upwardly above the load-conveying surface of said conveyer into printing contact with said object to be imprinted.

2,471,453
PREPARATION OF TERPENE PHENOLS
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 7, 1944, Serial No. 562,378
2 Claims. (Cl. 260—62)

1. A process of preparing a terpene-substituted phenol which comprises reacting a menthene and a phenol in the presence of substantially anhydrous hydrogen fluoride and of a solvent, inert under the reaction conditions, at a temperature of about 0° C. to about 90° C., said phenol containing at least one unsubstituted position in the ring, and being present in the reaction mixture in the ratio of from about 0.75 to about 2 moles per mole of menthene.

2,471,454
PROCESS FOR CATALYTIC CONDENSATION OF PHENOLS WITH MONOCYCLIC DIHYDROTERPENES
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 7, 1944, Serial No. 562,379
6 Claims. (Cl. 260—619)

3. The process of reacting a menthene with a phenol in the presence of boron trifluoride.

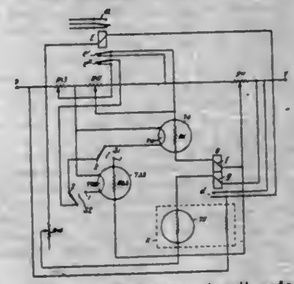
2,471,455
PREPARATION OF TERPENE PHENOLS
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 7, 1944, Serial No. 562,380
3 Claims. (Cl. 260—62)

1. The process of preparing a terpene-substituted phenol which comprises reacting about equal parts by weight of (*a*) a terpene mixture containing about 45% dipentene, about 40% terpinolene, and similar monocyclic terpenes and about 15% cymene and menthane and (*b*) a phenolic material selected from the group consisting of phenol and commercial cresols for about 1 to 8 hours at a temperature within the range of about 10° C. and about 30° C. in the presence of boron trifluoride as a catalyst.

2,471,456
WOOL SHRINKPROOFING BATHS CONTAINING A CHLOROPRENE POLYMER
John B. Rust, Montclair, N. J., assignor to Montclair Research Corporation, a corporation of New Jersey
No Drawing. Application March 26, 1946, Serial No. 657,335
5 Claims. (Cl. 260—29.7)

1. A bath for treating wool to give shrinkproofing with substantially normal hand which comprises an aqueous substantially stable emulsion containing a synthetic chloroprene polymer of 100% polymerization, in an amount to give from 1 to 25% by weight of polymer deposition on the wool, a non-cationic emulsifying agent and at least 25% by weight of the polymer present of a water-soluble neutral salt of an alkali metal conditioning electrolyte, the pH of the bath being below 7.

2,471,457
TIME AND THERMOSTATICALLY CONTROLLED SWITCHING ARRANGEMENT
Stanley Carden Shepard, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 17, 1944, Serial No. 545,329
In Great Britain July 30, 1943
8 Claims. (Cl. 236—15)

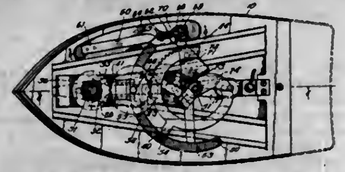


1. An electric switching circuit adapted to switch periodically from one condition to another, including a source of electromotive force, a relay capable of being periodically operated and released for establishing connections for one condition when operated and for the other condition when released, a thermistor connected to said source to supply current to said relay to

actuate the relay, adjustable means for controlling the heating of the thermistor, adjustable means for controlling the cooling of the thermistor, means for alternately connecting said two last-named means to affect the thermistor upon actuation of the relay, and a second thermistor connected to control the duration of the periods during which the relay remains operated and remains released in accordance with the temperature at the location of the second thermistor.

2. An electric thermostatic control switching said two last-named means to affect the circuit for controlling temperature within a confined space by compressing a heating source, a source of electromotive force, a relay capable of being periodically operated and released to switch the heating source on and off, a thermistor connected to said electromotive source to supply current to said relay to actuate the relay, adjustable means for controlling the heating of the thermistor, adjustable means for controlling the cooling of the thermistor, means for alternately connecting thermistor upon actuation of the relay, means for compensating for variations in the performance of the circuit consequent on changes in the temperature of the space surrounding the thermistor, and a second thermistor connected to control the duration of the periods during which the relay remains operated and released in accordance with the temperature of said space.

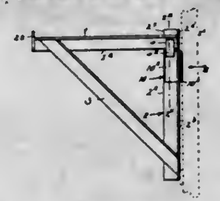
2,471,458
TEMPERATURE INDICATOR MEANS FOR SADIRONS
Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application May 15, 1944, Serial No. 535,646
3 Claims. (Cl. 73—343)



1. In a temperature indicator for a sadiron having a sole plate, a temperature-responsive flat strip having one end thereof affixed to the upper surface of the sole plate and arranged flat against said sole plate, said strip extending at an acute angle from the sole plate with the other end of said strip being twisted approximately 90°, a bracket mounted on the sole plate adjacent the twisted end of said strip, a bell crank having a pair of arms and mounted on the bracket for rotation about a horizontal axis that is located adjacent the base of said arms, one arm of said bell crank slidably engaging said upwardly extending end of said strip and the other arm of the bell crank extending generally upwardly, a gear sector operably connected to said upwardly extending arm of the bell crank, and indicating means operably connected to and actuated by said gear sector.

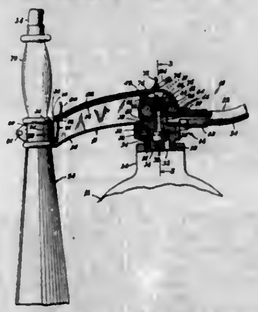
2,471,459
SCAFFOLDING BRACKET
George E. Stich, Jacksonville, Fla.
Application February 14, 1946, Serial No. 647,512
4 Claims. (Cl. 248—235)

1. A scaffold bracket comprising a vertical column composed of a channel angular in cross section one side of which comprises a back, the other an outwardly extending flange, a load carrying arm extending outwardly from the upper end of the column and secured to the flange, said back having a longitudinal slot located with its upper edge below the load arm, and a member for at-



tachment to a permanent support having an outwardly extending flange slotted from its top downwardly and adapted to interlock with the back column flange by engagement therewith between the load arm and the top of the slot in said column back.

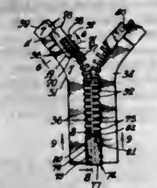
2,471,460
FIRE EXTINGUISHER
John H. Stroop, New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application December 6, 1944, Serial No. 566,813
10 Claims. (Cl. 169—31)



1. In combination in a fire extinguisher, a container for a fluid medium under pressure, a discharge valve head on said container, actuating means for the valve of said head, a carrying handle for said container, a discharge horn, flexible conduit connecting means between said head and said horn, and means cooperating between said handle and said horn for releasably mounting said horn directly on said handle.

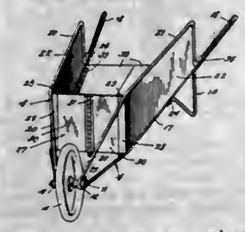
2,471,461
ENDPIECE FOR SLIDE FASTENER CLOSURES
Albert Süsskind, Lugano-Cassarate, Switzerland
Application January 8, 1944, Serial No. 517,519½
In Germany October 24, 1935
9 Claims. (Cl. 24—205.11)

1. A "zipper" end piece comprising a substantially U-shaped body of thin sheet material adapted to be attached by mere finger pressure without need for a tool, longitudinal abutments integral with said body adapted to abut against a foot surface of fastener elements of a "zipper" and transversal abutments also integral with said body adapted to abut against a broadside surface of said elements in such a manner as to prevent, by said abutting, longitudinal as well as transversal displacement of the end piece, at least one of



said transversal abutments having such a distance from the respective end of the "zipper" as to abut, in applied condition of the end piece, against at least the second element of the "zipper."

2,471,462
FOLDABLE WHEELBARROW
John J. Toth, Bridgeport, Conn.
Application May 10, 1946, Serial No. 668,899
12 Claims. (Cl. 280—36)



1. In a folding wheelbarrow, a wheel and axle; a pair of bearings mounted on the axle on opposite sides of the wheel, each of said bearings having a circumferential groove on its outer surface; a pair of side frames, each including at its front end a bearing-encircling portion loosely engaging the groove on the bearing to maintain engagement of the latter with the side frame but enabling pivotal movement of said frames about the bearings in convergent and divergent directions, in an axial plane of the wheel; and means interconnecting said frames for maintaining them equidistant from the plane of the wheel and for preventing angular displacement of one frame relative to the other about the axis of the wheel.

2,471,463
PLASTICIZING AGENTS COMPRISING DIALKYL PHENYLPHOSPHONATES AND COMPOSITIONS CONTAINING THE SAME
Arthur Dock Fon Toy, Chicago, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application January 24, 1946, Serial No. 643,212
12 Claims. (Cl. 260—30.6)

1. A plasticizing agent consisting essentially of dialkyl phenylphosphonate containing from 4 to 8 carbon atoms in the alkyl groups.

3. A composition comprising an organic plastic of the group consisting of a copolymer of a major proportion of vinyl chloride and a minor proportion of vinyl acetate, nitrocellulose, and ethyl cellulose and containing a plasticizing proportion of a dialkyl phenylphosphonate containing from 4 to 8 carbon atoms in the alkyl group.

2,471,464
METHOD OF PREPARING PARA NITROPHENYL DIETHYL THIONOPHOSPHATE
Arthur Dock Fon Toy, Chicago, and Thomas M. Beck, Homewood, Ill., assignors to Victor Chemical Works, a corporation of Illinois
No Drawing. Application December 22, 1947, Serial No. 793,310
8 Claims. (Cl. 260—461)

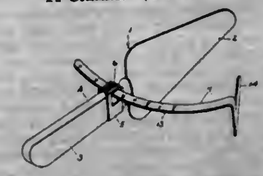
1. The method of preparing para nitrophenyl diethyl thionophosphate which comprises reacting diethyl thiono chlorophosphate with substantially anhydrous sodium para nitrophenolate in the presence of an aliphatic tertiary amine catalyst.

2,471,465
REPEATER FOR SUBMARINE ELECTRIC CABLES
Marc van Hasselt, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 14, 1947, Serial No. 721,893
In Great Britain January 29, 1946
1 Claim. (Cl. 174—74)



A housing for receiving and protecting against moisture under deep sea conditions electrical apparatus to be included in a submarine coaxial cable system, that comprises: a pressure-resistant watertight flexible metal tube defining a chamber for receiving said apparatus; a pair of hollow substantially conical metal plugs, having a maximum diameter substantially equal to the diameter of the flexible tube and each having a hollow tubular shank on the base thereof receivable in an open end portion of said flexible tube, the internal portions of said plugs and shanks being adequately large to receive the external conductor of the coaxial cable without physical or electrical contact therewith; a coaxial cable end portion in each of said plugs extending through the shank thereof; water-impervious electrical insulation in said internal portions of the plugs and shanks, filling the space surrounding the coaxial cable ends; a close-fitting copper sheath surrounding the flexible metal tube and sealed to base portions of the plugs in the ends thereof; a water-impervious continuous adherent coating of polythene overlying said copper sheath, the conical plugs and a portion of the coaxial cable external conductor extending from the plugs; and outer armoring around the entire assemblage.

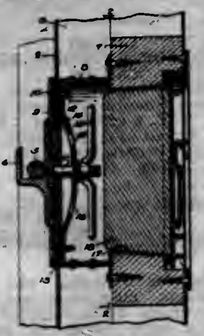
2,471,466
CAKE AND PIE KNIFE
Samuel A. Weinberg, Wollaston, Mass.
Application November 5, 1947, Serial No. 784,287
11 Claims. (Cl. 30—114)



1. In combination with a cake knife, means

adjustably attached thereto having an adjustable arcuate bar with a marking arm projecting radially therefrom, and means including the handle of the knife for locking said arcuate bar in its desired position.

2,471,467
ESCAPE DEVICE
Le Roy L. Werner, Washington, D. C.
Application April 4, 1945, Serial No. 586,617
4 Claims. (Cl. 292—340)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



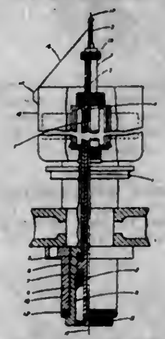
1. An escape device for containers comprising a body portion and a door, said container provided with an elongated passage extending to the interior and exterior thereof, an imperforate panel, a latch element fixed to the exterior face of the panel, said panel being mounted exteriorly of the container and closing the outer end of said passage, a plate within the passage, and means also within the passage and cooperating with the plate for drawing said panel and plate into clamping relationship with the container.

2,471,468
REPEATERED SUBMARINE SIGNALING CABLE
William Kirby Weston, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application October 22, 1946, Serial No. 704,967
In Great Britain June 18, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 18, 1965
3 Claims. (Cl. 174—70)



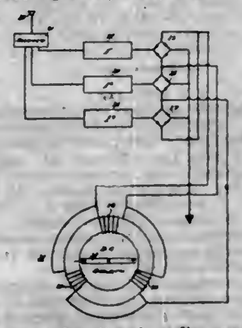
1. In a repeatered coaxial submarine signalling cable of the kind in which the outer conductor of the cable is effectively in contact with the water in which the cable is submerged and a repeater is so constructed and arranged as to form part of the finished cable and to be laid with it, the repeater being surrounded by a water repellent dielectric joined to the dielectric of the submarine cable, the improvements that comprise a conducting lead embedded in the dielectric spiralled around the central conductor of the cable and electrically connected to the outer conductor of the cable and to the repeater.

2,471,469
WIRE LAPPING OR LIKE MACHINE
Wilfred John Lee Wildbore and James McConnochie Keenan, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 3, 1945, Serial No. 626,563
In Great Britain September 28, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires September 28, 1964
4 Claims. (Cl. 57—18)



1. In a lapping head, a hollow-head driving spindle, a rotary head thereon, a second spindle co-axially mounted within said first spindle and extending therethrough, a spreader mounted on said second spindle, means for coupling said spindles together for rotation, and means for adjusting the position of said spreader from below said rotary head while the latter is rotating.

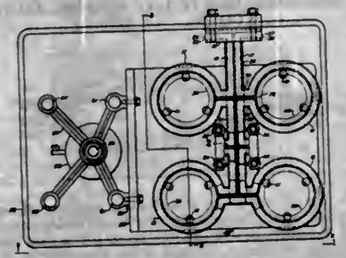
2,471,470
RADIO RANGE SYSTEM
Harry Wilkie, Dayton, and Francis L. Moseley, Osborn, Ohio
Continuation of application Serial No. 466,559½, November 23, 1942. This application February 1, 1943, Serial No. 474,332
5 Claims. (Cl. 343—107)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. An omni-directional radio range system, comprising a radiating system of equi-angularly spaced radiating units; a source of carrier frequency; means for modulating the carrier source

to derive a plurality of dissimilar energy wave impulses; means for transmitting those respective impulses sequentially to the respective radiating units during successive equal time intervals thereby to establish a rotating radiation field with directional characteristics; means for receiving and segregating the wave impulses, rectifying them, and setting up in the same sequence, adjacent direct mutual magnetic fields equi-angularly spaced; and means for indicating the location of the resultant magnetic axis of the mutual field.

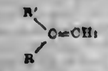
2,471,471
APPARATUS FOR SIMULTANEOUSLY INDUCTIVELY HEATING A PLURALITY OF ARTICLES
Alden O. Wood, Parma, Ohio, assignor to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application March 9, 1945, Serial No. 581,854
7 Claims. (Cl. 219—13)



1. In apparatus of the class described, a multiple inductor comprising a pair of substantially parallel conductors defining a plane, each conductor comprising an inductor loop in series therewith, axes of the loops being in generally parallel spaced positions and perpendicular to the plane of the conductors, the loops being on generally opposite sides of the pair of conductors and being disposed to substantially encircle metallic articles lying in generally parallel positions, the pair of conductors having a common return circuit conductor lying generally parallel to the said pair of conductors but remote from the articles to be heated, and means for supplying inducing current to the pair of conductors to flow in parallel therethrough to heat simultaneously two of the said articles being encircled by the aforesaid loops.

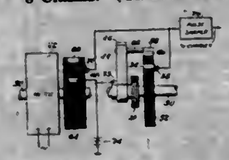
2,471,472
METHOD OF FORMING PHOSPHONIC AND THIOPHOSPHONIC ACID CHLORIDES
Willard H. Woodstock, Flossmoor, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application April 28, 1945, Serial No. 590,956
6 Claims. (Cl. 260—543)

1. The method which comprises reacting an addition product of PCl_3 and a mono-olefin of the formula



wherein R and R' are a pair of radicals selected from pairs of radicals consisting of: alkyl and alkyl, alkyl and aryl, aryl and aryl, aryl and hydrogen, and aryl and chlorine, with an acid anhydride of the class consisting of P_2O_5 and P_2S_5, in an inert solvent medium, heating the reaction mixture to drive off hydrogen chloride formed, and separating the solvent and by-product phosphorus chloride compounds from the unsaturated phosphorus compound.

2,471,473
TRANSMISSION SYSTEM
Norman H. Young, Jr., Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Original application November 1, 1943, Serial No. 508,617, now Patent No. 2,407,336, dated September 10, 1946. Divided and this application March 19, 1945, Serial No. 583,538
8 Claims. (Cl. 177—380)



1. An intelligence transmission system comprising means generating a series of synchronizing pulses of a predetermined frequency, means generating a series of sets of intelligence-signifying pulses of the same frequency as said synchronizing pulses, the pulses for each intelligence-signifying character occurring between successive synchronizing pulses, and the pulses of each set being distinguished from the pulses of another set by a different time spacing from the synchronizing pulses, and controllable means for varying said time spacing at will.

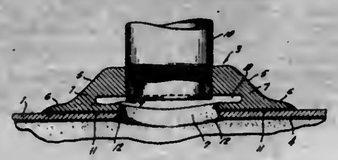
2,471,474
METHOD FOR CLARIFYING AND PURIFYING VEGETABLE BEVERAGES
Ralph T. Alba and James S. Wallerstein, New York, N. Y., assignors, by mesne assignments, to Wallerstein Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 10, 1945, Serial No. 577,330
15 Claims. (Cl. 99—52)

1. The method of improving fermented beverages of mildly acid nature derived from cereals and normally containing undesirable organic components of proteinaceous nature which are soluble in mildly acid medium but are capable of causing turbidity on changes of temperature, which comprises mixing with the beverage a solution of a lignin obtained by the alkaline cooking of ligneous plant material and insoluble in dilute acid medium, said solution having a pH value of approximately 9.5 to 12, adding to the mixture a solution of gelatin, whereby said organic components are precipitated along with a lignin-gelatin complex, adjusting the pH of the beverage to its original value by the addition of lactic acid, and separating the supernatant from the precipitated material.

2,471,475
HOT-WATER TANK CONNECTION
Orrin E. Andrus, Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application February 18, 1947, Serial No. 727,538
6 Claims. (Cl. 285—49)

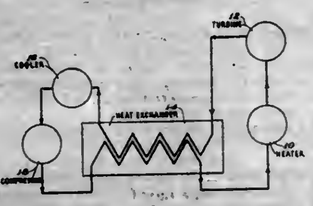
1. A connection for an opening in a hot water storage tank or the like lined with a protective

coating on the inside of the tank wall to protect the tank from corrosion, which comprises a tubular spud on the outside of the tank wall of corrosion resistant metal disposed at said opening and bonded to the outside of the tank around said opening, said spud comprising a base portion overlapping the outside of the tank wall radially outwardly from the opening therein for



a substantial distance and joined to a relatively thicker body portion by a neck of substantially lesser cross-section circumferentially than said base and body portion to provide the base with inner and outer flanges of tapered thickness and prevent the building up of stresses at the joint between the spud and shell injurious to the protective lining of the tank.

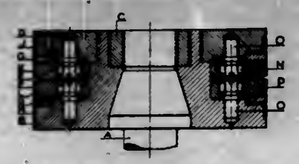
2,471,476
PROCESS AND APPARATUS FOR TRANSMITTING ENERGY
Anthony F. Benning, Woodstown, and Frederick B. Downing, Carney's Point, N. J., assignors to Kinetic Chemicals, Inc., Wilmington, Del., a corporation of Delaware
Application January 20, 1945, Serial No. 573,765
4 Claims. (Cl. 60—36)



1. The process of protectively conducting octafluorocyclobutane at temperatures of from about 250° C. to about 400° C. which comprises enclosing the octafluorocyclobutane in a conductor in which at least the surfaces in contact with the octafluorocyclobutane are made of a metal of the group consisting of nickel and an alloy whose composition is essentially nickel 79.5%, chromium 13%, copper 0.2%, iron 6.5%, silicon 0.25%, manganese 0.25% and carbon 0.08%.

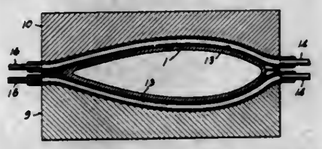
2,471,477
PISTON PACKING
Henri Bonnaud, Viroflay, France, assignor to L'Air Liquide, Societe Anonyme pour l'Etude et l'Expletation des Procedes Georges Claude, Paris, France
Application November 26, 1946, Serial No. 712,320
In France March 8, 1946
8 Claims. (Cl. 309—4)

1. A device for clamping flexible packings on a piston, in which the whole of the packings is divided in groups, clamping means for each group of packings independent of the ones for the other



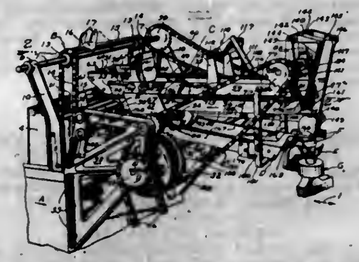
group of packings, said clamping means including studs and nuts enclosed inside the piston.

2,471,478
FLEXIBLE ELECTRODE FOR WELDING
Karl K. Brueckner, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 14, 1947, Serial No. 754,613
7 Claims. (Cl. 219—4)



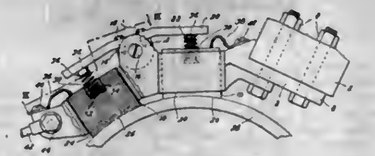
1. An electrode for the electric welding of metal articles, comprising a flexible electrically conductive member, hydraulic means to force said member into intimate contact with the article to be welded for uniform heating of the article by electric current carried thereto by said member to accomplish a uniform welding of articles.

2,471,479
PEAR ORIENTING AND FEEDING APPARATUS
Burton C. Coons, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application December 5, 1944, Serial No. 566,693
17 Claims. (Cl. 198—33)



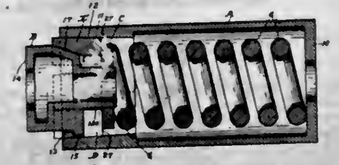
2. An apparatus for orienting pears and feeding them into the feed receptacle of a pear handling machine comprising a trough having a discharge end arranged above said feed receptacle when the latter is in pear receiving position, means for feeding pears one at a time into the trough, means in the trough for moving the pears to the discharge end thereof, means for engaging the pears as they are moved by the moving means and cooperating therewith to turn said pears into a position with their stem ends facing in a predetermined general direction, means movable toward and away from the discharge end of the trough for centering said pears in said trough and for controlling the discharge of the positioned pears therefrom, and means movable from the discharge end of said trough toward said feed receptacle for transferring the positioned pears from the trough to the feed receptacle.

2,471,480
MOTOR BRUSH HOLDER
Martin Culkosky, Gary, Ind.
Application October 30, 1945, Serial No. 625,577
3 Claims. (Cl. 171—324)



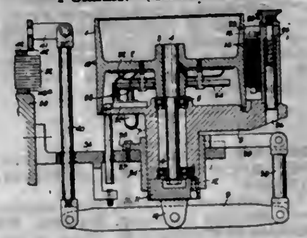
1. A motor brush holder for holding the brushes against the slip ring of the motor comprising a body member attached to the motor frame, said member having a pair of spaced apart brush receiving openings therein, a pivot member attached to said body member between said openings, an arm mounted on said pivot member with a part thereof extending over each of said openings, a spring between each end of said arm and the adjacent brush for forcing the brush against the slip ring, and means for centering each of said springs over the center of the respective brushes.

2,471,481
FRICTION SHOCK ABSORBING MECHANISM
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application May 30, 1945, Serial No. 596,782
9 Claims. (Cl. 267—9)



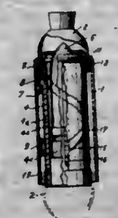
1. In a friction shock absorbing mechanism, the combination with a friction casing; of a friction clutch slidingly telescoped within said casing, said clutch including a plurality of friction shoes having sliding frictional engagement with the interior of said casing, and a pressure transmitting member adapted to receive the actuating force and engaging the forward end portions of said shoes; a spring follower engaging the rear end portions of said shoes, one of said shoes having wedging engagement with said spring follower only, and the remaining shoes having wedging engagement with said pressure transmitting member only; and spring resistance means yieldingly opposing movement of said spring follower inwardly of the casing.

2,471,482
MEANS FOR CREASING LININGS FOR BOOKS AND FOR ANALOGOUS PURPOSES
Lionel John Bryant Rushent French, London, England, assignor to The Book Machinery Company Limited, London, England, a British company
Application November 1, 1946, Serial No. 707,242
In Great Britain December 6, 1945
4 Claims. (Cl. 154—41)



1. In apparatus for feeding foldable sheet material such as linen or paper to articles to which the sheet material is united and for producing in the sheet material creases extending lengthwise of the direction of feed of the material, a freely rotatable cylinder with a plurality of circumferential grooves and adapted to be rotated by the traction of the sheet material over its periphery, a plurality of freely rotatable rollers parallel with the cylinder, peripheral fins on the rollers engaged in said grooves to produce said creases, a support for said rollers partly surrounding the cylinder means supporting each roller readily displaceably relatively to said support and means combined therewith adapted to be manipulated to retract the rollers selectively from the predetermined creasing position and to return the rollers to such predetermined position.

2,471,483
LIPSTICK CASE
Sophie Frydlender, Paris, France, assignor to Lancome Societe Anonyme, Paris, France, a corporation of France
Application May 15, 1945, Serial No. 593,805
In France January 29, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires January 29, 1964
2 Claims. (Cl. 206—56)



1. In a lip stick case, a body open at its upper end through which a lip stick housed within the case can be projected; a cap for closing said open upper end of said body and having a lower edge portion of generally annular cross section having an uninterrupted smooth inner surface; a bottom member housed within said body and being rotatable therein for effecting projecting

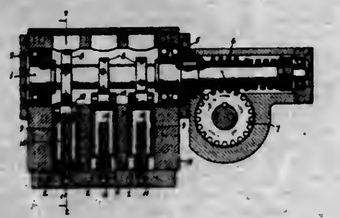
of the lip stick through the open upper end of said body, the outer surface of said bottom member being uninterruptedly smooth and complemental to said inner surface of said cap, and there being a clearance around said bottom member and the inside of said body, said cap lower edge portion being of a size to be extended freely within said body by being moved axially with respect to said case and to fit over and closely and frictionally embrace said bottom member outer surface irrespective of the relative angular positions of said bottom member and said cap with reference to the axis of said case, to thereby effect a frictional rotation-transmitting driving connection between said cap and said bottom member.

2,471,484

PISTON AND CYLINDER CONSTRUCTION FOR RECIPROCATING HYDRAULIC MOTORS

Louis E. Godfriaux, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin

Application September 20, 1944, Serial No. 554,883
3 Claims. (Cl. 121—120)



3. In a fluid motor of the class described, a vertically disposed cylinder of substantial length, a head at the lower end of said cylinder, a piston near the top of said cylinder and closing the same, a central tube extending upward from said head through which motive liquid is supplied to and exhausted from said cylinder near the top thereof, a piston skirt extending downward from the crown of said piston between the tube and cylinder wall and of a thickness to provide a substantial displacement of liquid at the lower end of the cylinder during the downward stroke of said piston, and to provide an annular passage around said tube for the passage of said displaced liquid upwardly against the piston crown to scavenge air bubbles which may collect in the upper end of the cylinder and flow the same outwardly through said tube.

2,471,485

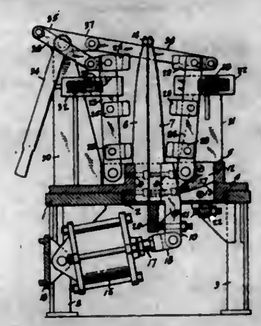
MANDREL WITH MEANS FOR CLAMPING AND SPREADING TUBES

Frederick A. Gruetjen, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application October 23, 1943, Serial No. 507,365
8 Claims. (Cl. 153—39)

3. In apparatus of the class described, a pair of mandrels adapted to receive a tubular metal blank, relatively movable supports for said mandrels, a holding bar for each mandrel pivoted at one end to each of said supports and having clamping means for engaging a blank along substantially the length thereof to clamp the blank to the respective mandrels, and means for securing said holding bars in clamping position.

6. In an apparatus for spreading metal articles of substantial length and substantially circular section to an oblong section, a support, a pair of mandrels mounted on said support and disposed back-to-back and adapted to receive said article, said mandrels engaging and rocking on each other at one end and being adapted to move radially outwardly relative to each other at the other end, means securing said mandrels together at the engaging ends thereof to hold them in alignment during spreading, and motor operated power means mounted on said support connected to one of said mandrels at said outwardly movable end to rock the same upon the other mandrel at the opposite secured end and effect spreading of said article encircling the same.

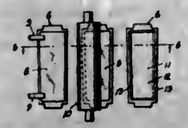


2,471,486

METHOD OF CONSTRUCTING PROPELLER FOIL PLATES

Frederick A. Gruetjen, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application October 23, 1943, Serial No. 507,366
4 Claims. (Cl. 29—156.8)



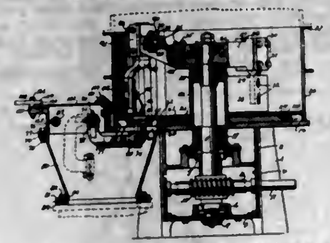
1. In the forming of foil plates for large hollow steel propeller blades and the like, the cross taper rolling of a blank of substantially uniform thickness to provide a partially formed blank of tapered thickness from end to end, cross pre-contour rolling of the tapered blank to provide a relatively thin central portion surrounded by thick edge portions free from tears and surface defects from longitudinal flow of the metal, longitudinally rolling the pre-contoured blank to final dimensions, trimming the blank, and finally coining and die pressing the blank to embody the pitch twist of the blade and an air foil shape of a corresponding surface of the blade with substantially straight thick edge portions adapted for flash welding to abutting edges of adjacent blade parts.

2,471,487

MIXER

Axel G. Granath, Chicago, Ill., assignor to Herbert S. Simpson, Evanston, Ill.

Application August 20, 1945, Serial No. 611,494
2 Claims. (Cl. 259—44)



1. In a muller including a crib having a muller element movable over the crib bottom, means for controlling the discharge of the crib contents comprising an opening in said bottom, a discharge hopper depending from the crib bottom and around said opening, a closure for said opening and movable in said hopper into tight engagement with the edge of the opening, and lever means in the hopper for supporting and moving said closure and being pivotally supported remote from said opening and to one side of said crib bottom so as to be clear of the discharge path of the crib contents when the same is being discharged from the crib, said lever means upon actuation to open said opening swinging said closure bodily to one side of the crib bottom and clear out of said discharge path so as to be remotely supported by the lever means independent of the crib bottom.

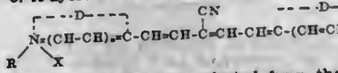
2,471,488

CYANINE DYESTUFFS

John David Kendall and Frank Peter Doyle, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company

No Drawing. Application January 21, 1948, Serial No. 3,561. In Great Britain January 24, 1947
7 Claims. (Cl. 260—240)

3. A dyestuff of the general formula:



wherein D is a residue selected from the class consisting of 5-membered and 6-membered heterocyclic nitrogen nuclei, R is a group selected from the class consisting of alkyl and aralkyl groups, X is an acid radicle and n is selected from the class consisting of 0 and 1.

2,471,489
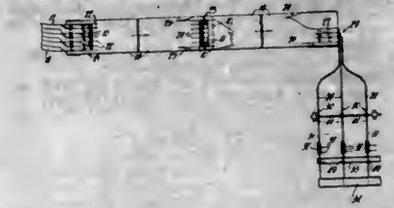
METHOD OF AND APPARATUS FOR INSPECTING AND ASSORTING METAL DISKS AND THE LIKE

Fred H. Lucas, Winnetka, Ill., and Gerald E. Rhodes, Gary, Ind., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey, and American Bridge Company, a corporation of New Jersey

Application September 7, 1944, Serial No. 553,072
11 Claims. (Cl. 209—82)

1. The herein described method of assorting punched metal discs and the like, consisting in conveying unassorted discs flatwise, separating the discs into groups in accordance with the configuration of the faces thereof upon which they are supported during their flatwise travel, inverting the discs of one of said groups, erecting and rolling the discs in edgewise position, gauging the discs for concentricity by determining the variation in the angularity of the edges of the discs during their edgewise travel, and assorting said discs in accordance with said variation.

6. In apparatus for assorting discs having truncated conical edges, a concentricity gauge including a track for rolling conveyance of the discs upon their edges, a contact guide member adapted to be contacted by the upper portion of the discs supported by the track, a track contact member spaced from the track, an electrical circuit including the contact guide member and track contact member and adapted to be closed through engagement of a disc therebetween, and means responsive to said circuit for segregating such disc from the other discs passing through said gauge.

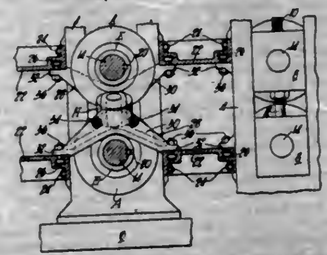


2,471,490

APPARATUS FOR MAKING STRUCTURAL SHAPES

David L. Mercer, Gary, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

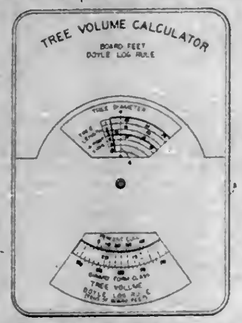
Application August 10, 1945, Serial No. 609,987
4 Claims. (Cl. 153—28)



2. A roll stand comprising a pair of housings, a pair of roll shafts journaled in said housings and extending therebetween, a pair of roll segments mounted on each of said shafts and aligned with the segments on the other shaft, each of said segments having a face portion which is parallel to the face portion of the oppositely disposed segment on the other shaft and an oblique end face which extends toward its respective shaft oppositely disposed to the oblique face of the opposing segment, said oblique faces diverging to form a V-shaped opening between the outer ends of the oppositely disposed roll segments, an idler roll disposed at either end of said pair of segments with a working face substantially normal to one of said oblique faces and

means for mounting said idler rolls intermediate said roll shafts to cooperate with either the oblique face of the upper or lower roll segment to bend the outer flange portion of a workpiece upwardly or downwardly to form angles, channels or Z's as desired.

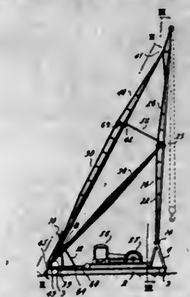
2,471,491
TREE VOLUME CALCULATOR
Clement Mesavage, New Orleans, La.; dedicated to the free use of the People in the territory of the United States
Application April 26, 1946, Serial No. 665,036
3 Claims. (Cl. 235—84)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A calculator for solving problems in the determination of tree-volume content of lumber involving variable relating to: "tree length," that is, number of logs of a given length into which the tree can be cut; tree diameter measured outside of the bark at a given height, which height is less than the said given length; and the ratio of the top diameter of the first log, that is, of the butt log, of said given length, to the said tree-diameter measurement, said ratio being the "form class"; said calculator comprising two plates pivotally attached to each other for rotary motion with respect to each other, one over the other; one of said plates having a number of logarithmic scales arranged on arcs of progressively larger concentric circles, one of said logarithmic scales corresponding to "tree volume," the others of said logarithmic scales each corresponding to a series of "tree diameters"; the second of said plates having an opening through which a section of the tree-diameter scales is visible, said opening having "tree length" divisions each of which is adjacent to a "tree-diameter" scale, said second plate having a second opening through which a section of the "tree volume" scale is visible, and having an arcuate "form class" scale which is adjacent to the latter opening and is concentric with the "tree-volume" scale, the scales being so arranged that, upon setting a chosen "tree diameter" adjacent to a selected "tree length," the "tree volume" appears adjacent to the selected "form class."

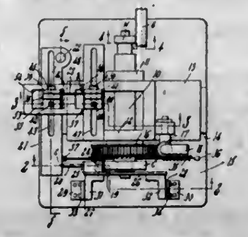
2,471,492
PORTABLE DERRICK
Dewey R. Moore, Dallas, Tex.
Application September 12, 1946, Serial No. 696,477
5 Claims. (Cl. 189—11)

1. A portable derrick or the like comprising a support, a lower mast section pivotally mounted at its lower end on said support and adapted for alternative movement into substantially horizontal and substantially vertical positions, an upper mast section pivotally connected to the free end of said lower mast section and adapted to alternately occupy juxtaposed and overlying positions with respect to said lower mast section, the pivotal connection between said lower mast section and said support being inwardly of said support and the pivotal connection between said upper and lower mast sections being outwardly



of said support, a diagonal mast support including a pair of detachable and juxtaposed sections, the upper section of said mast support being pivotally connected to said upper mast section adjacent the upper portion of the latter, the lower section of said mast support extending to the ground, an elongate diagonal brace pivotally connected to and extending between the lower end of said upper mast section and the lower end of said diagonal mast support, and means for positioning the lower end of said diagonal mast support relative to said first named support.

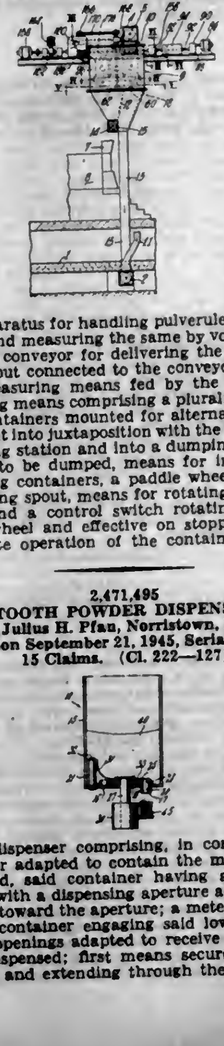
2,471,493
CAM FINISHING MACHINE
Wendell P. Norton, Jr., Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application February 18, 1948, Serial No. 9,142
9 Claims. (Cl. 51—127)



1. A cam cutting machine comprising a supporting structure, a carriage mounted on said supporting structure with provision for linear movement in opposite directions, a work holder supported rotatably on said carriage with its axis of rotation transverse to the path of the carriage, a master cam secured to the work holder, a cutting tool operatively mounted in relation to the carriage such that the carriage moving in its prescribed path displaces a work piece secured to

the work holder, toward or away from the cutting tool, and a pantograph linkage pivoted at a fixed point on the supporting structure arranged to be moved about its pivot by said master cam and including an adjustable connection with the carriage.

2,471,494
AUTOMATIC MEASURING DEVICE FOR BULK MATERIAL
Perry F. Overmyer, Chicago, Ill., assignor to Universal Atlas Cement Company, a corporation of Indiana
Application May 21, 1945, Serial No. 594,979
5 Claims. (Cl. 73—218)



1. Apparatus for handling pulverulent material in bulk and measuring the same by volume, comprising a conveyor for delivering the material, a filling spout connected to the conveyor, and material measuring means fed by the spout, said measuring means comprising a plurality of measuring containers mounted for alternate indexing movement into juxtaposition with the filling spout at a filling station and into a dumping station in position to be dumped, means for indexing the measuring containers, a paddle wheel located in the feeding spout, means for rotating the paddle wheel, and a control switch rotating with the paddle wheel and effective on stoppage thereof to initiate operation of the container indexing means.

2,471,495
TOOTH POWDER DISPENSER
Julius H. Pfau, Norristown, Pa.
Application September 21, 1945, Serial No. 617,836
15 Claims. (Cl. 222—127)

1. A dispenser comprising, in combination, a container adapted to contain the material to be dispensed, said container having a lower wall formed with a dispensing aperture and a slot extending toward the aperture; a metering member in said container engaging said lower wall and having openings adapted to receive the material to be dispensed; first means secured with said member and extending through the slot for engagement by a material receiver to bias said first means to one end of the slot to register the openings in said member with the dispensing aperture; and second means normally biasing said first means to the other end of the slot to move the openings in said member out of registry with the dispensing apertures.

2,471,496
RECLAIMING SCRAP OF NATURAL RUBBER MIXED WITH BUNA-S
Robert L. Randall, St. Louis, Mo., assignor, by mesne assignments, to Midwest Rubber Reclaiming Company, East St. Louis, Ill., a corporation of Delaware
No Drawing. Application July 14, 1945, Serial No. 605,183
7 Claims. (Cl. 260—5)

1. The process of reclaiming mixed, previously vulcanized rubber scrap containing both natural rubber and an elastomer which is a rubbery copolymer of butadiene and styrene, comprising heating the said scrap with from 1 to 15% of abietic acid and from 3 to 30% of Gray Tower resin oil which is a residual by-product obtained in the refining of gasoline.

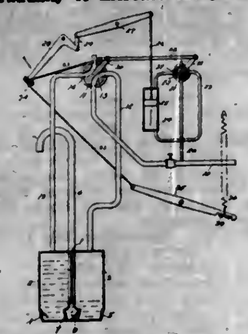
2,471,497
BONDING CELLULOSE SURFACES
Robert Pierce Roberts and Kenneth Jones, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 3, 1943, Serial No. 489,494. In Great Britain June 27, 1942
2 Claims. (Cl. 154—136)

1. Process for bonding together surfaces of material composed substantially of cellulose which comprises applying to said surfaces a composition containing polyvinyl alcohol, formaldehyde and hexamethylene tetramine the molecular ratio of formaldehyde to CH_2CHOH groups of polyvinyl alcohol being between 1.15:2 and 1.5:2 and the proportion of hexamethylene tetramine employed being 2 to 5% on the weight of polyvinyl alcohol, bringing the surfaces together, and effecting acetalization of the alcohol by the aldehyde under the influence of heat so as to form in situ a strong bond uniting the surfaces.

2,471,498
PNEUMATICALLY OPERATED PUMP
George A. Rood, Los Angeles, Calif.
Application January 12, 1946, Serial No. 640,872
4 Claims. (Cl. 103—238)

1. In a fluid pressure operated pump, the combination with a tank vertically divided into two chambers and having a water inlet passage to each chamber, a discharge pipe, an outlet passage from each chamber to said pipe, check valves in all of said passages preventing return flow therethrough and a conduit for pressure fluid, of a main valve having two positions, one for carrying pressure fluid to one chamber and the other for admitting pressure fluid to the other chamber, means alternately moving the valve back and forth to the two positions, a control valve having two positions, means interconnecting the two valves for simultaneous movement, a closed cylinder, pipes leading from the ends thereof to the said control valve, a power-controlled connection to said main valve, a piston within said cylinder extending to said connection, and a pipe from said pressure fluid conduit to carry pressure fluid from said control valve to one end of

said cylinder or the other, thereby to move said piston gradually to increase the power of said



connection until sufficient to throw said valves from one position into the other.

2,471,499
FISHING LURE
Frank G. Shipman, Shelburn, Ind.
Application July 19, 1946, Serial No. 684,928
1 Claim. (Cl. 43—39)



In a fish lure, the combination which comprises a longitudinally disposed stem having an eye at the forward end and a bushy fibrous tail with a fish hook embedded therein extended from the opposite end, a float mounted on said stem, a spinner having an arcuate nose with outwardly flared propeller blades extended rearwardly therefrom rotatably mounted on said stem, a pair of outwardly bowed, arcuate leaders extended from the eye at the forward end of the stem and extending rearwardly, and arcuate blades shaped to represent minnows flexibly connected to the ends of the leaders and positioned to be influenced by churning water from the blades of the spinner.

2,471,500
COATED METAL STRUCTURE
Francis S. Stewart, Los Angeles, Calif., and Vernal R. Hardy, Wilmington, Del., assignors, by direct and mesne assignments, to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Application July 25, 1944, Serial No. 546,524
8 Claims. (Cl. 117—75)



1. As a new article of manufacture, a metal structure coated with a plurality of coats of a mixture of a synthetic linear polyamide comprising the reaction product of a polyamide-forming composition in which the molecules are bifunctional and contain two amide-forming groups each of which is complementary to another amide-forming group in said composition, and a rubber-like composition taken from the class consisting of polymers of the unit

$$\left(-\overset{|}{\underset{|}{C}}-\overset{|}{\underset{|}{C}}.8-\right)$$

in which the two carbon atoms are joined to each other and polymers of the same unit in which an intervening structure is contained between said carbon atoms, said coats graded to contain a greater proportion of said polyamide in a subsequently applied coat.

2,471,501
METHOD FOR THE REPAIR OF DENTURES
Forrest E. Steigleman, Baltimore, Md.
Application February 6, 1947, Serial No. 726,791
1 Claim. (Cl. 18—55.1)

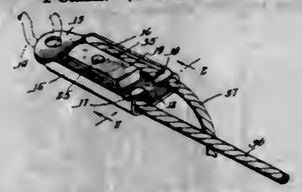


The method of repairing acrylic dentures, consisting in removing foreign matter from the edges of the broken denture sections, subjecting the edges of the broken denture sections to the action of a solvent consisting of a solution comprising sixty percent ether, thirty percent acetone, and ten per cent grain alcohol, softening the broken edges of the denture sections, placing the softened edges of the broken denture sections together, subjecting the sections to pressure forcing the edges together, maintaining the pressure on the sections for a period of time until the denture becomes hardened, and finally trimming off surplus material at the point of connection between the broken sections.

2,471,502
METHOD OF IMPROVING FERMENTED BEVERAGES AND PRODUCT OBTAINED THEREBY
James S. Wallerstein, New York, N. Y., Eduard Farber, New Haven, Conn., and Ralph T. Alba, New York, N. Y., assignors, by mesne assignments, to Wallerstein Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 12, 1944, Serial No. 549,298
12 Claims. (Cl. 99—52)

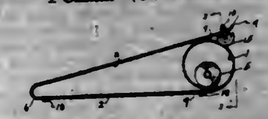
1. The method of improving fermented beverages of mildly acid nature derived from cereals and containing normally organic components of proteinaceous nature which are soluble in mildly acid medium but are capable of causing turbidity on changes of temperature, comprising bringing the beverage at any stage during its manufacture into intimate contact with a water-insoluble and acid-insoluble lignin remaining after acid-hydrolyzing the carbohydrates of wood, while maintaining the pH value of the beverage liquor in the acid range, and thereby forming an insoluble complex of the lignin with said components, and separating the beverage from said complex.

2,471,503
ROPE HOLDER
George A. Ward and Otto Koleske, Springfield, Ill., assignors to Modern Machine Products Co., Springfield, Ill., a copartnership composed of George A. Ward and Otto Koleske
Application February 27, 1946, Serial No. 650,446
1 Claim. (Cl. 24—134)



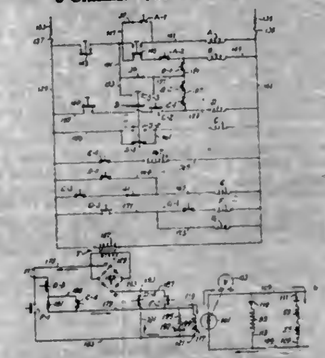
A rope-holder incorporating in combination a first sheet-metal member having a flat bottom wall with a transverse slot and a separate aperture therethrough and a stationary abutment-pin upstanding from said bottom wall, and having erect from such wall and integral therewith a pair of marginal, parallel, longitudinal flanges with smooth inner surfaces spaced apart facing one another, the forward ends of the top portions of said flanges having a pair of opposed inwardly directed aligned spaced-apart ears integral with the flanges, the back ends of said flanges having appropriate means for the support of the rope-holder, a second member having a flat upper portion parallel with said bottom wall and apertured in register with the aperture of said first member, a stud occupying said apertures and at least in part supporting said second member, the forward end of said second member being bent down and having a tip positioned by and occupying said transverse slot, said second member being spaced from both of said flanges of a width to receive the rope to be secured, a cam between said first and second members oscillatory on said stud, said cam having a pair of substantially parallel opposite edge surfaces and at one end such edge surfaces being of eccentric increasing radius to the outermost point, the shape of such cam at its opposite end being similarly of increasing radius with somewhat rounded marginal teeth, the cam surface without teeth coacting with the rope and later with the inner surface of one of the flanges whereas the eccentric toothed surface of the cam cooperates with the rope and the inner face of the other flange, whereby a loop of the rope near one end thereof is applied inside of the holder beneath the ears between the cam and abutment-pin on the one hand and one of the flanges on the other hand around the inner end of the cam beneath said second member and between the cam and the other flange and then pulled lengthwise away from the holder on the free end of the rope strand to place the whole length of the rope under appropriate strain whereby such movement of the rope turns the cam by engagement therewith against the abutment-pin and provides adequate spaces between the two flanges and the two portions of the cam for the rope to slide easily in the holder, whereupon as soon as the operator releases his pull slightly on the rope the backward strain of the latter causes the rope to turn a slight amount around the axis of the abutment-pin and carry the cam with it whereby the rope is held from further relieving the applied strain by reason of the fact that the rotation of the cam causes its toothed surface to grasp the rope and firmly hold it between itself and the corresponding flange.

2,471,504
MEMORANDUM PAPER HOLDER
Ernest Lisle Wayne, Victoria, Tex.
Application June 28, 1946, Serial No. 680,147
1 Claim. (Cl. 281—6)



A memorandum paper holder comprising, a frame formed of a strip of thin material a portion thereof forming a base and one end portion shaped into a cylindrical container for containing a roll of paper, said strip terminating, at said one end, in a free margin which is spaced from the base to provide a passageway for the unwound paper, said strip having another portion connected to the other end of the base portion and forming an inclined table which overlies the container, said strip having an externally curved surface and a transverse slot at the juncture of the base and table through which slot, and around which surface, the unwound paper may pass onto the table, the upper end of the table extending beyond the container and being curved upwardly and terminating in a transverse cutting edge, said extended end being provided with a plurality of openings, bearing blocks secured to the margins of said upwardly extended end, a transverse gripping roller mounted to rotate in bearings in said blocks above said openings, a transverse shaft beneath the extended upper end of the table and mounted to rotate in said bearing blocks, friction rollers fixed on said shaft and working through the table openings in co-operation with the gripping roller to grip the paper between them, a hand grip fixed on an end of said shaft for rotating the shaft and friction rollers and end caps fitted into, and gripped by, the ends of the container.

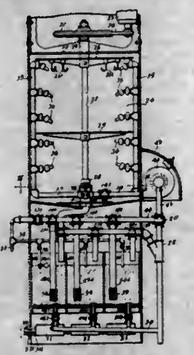
2,471,505
PUNCH PRESS
Jerrold B. Winther, Kenosha, Wis., assignor to Martin P. Winther, as trustee
Application January 4, 1947, Serial No. 720,256
5 Claims. (Cl. 172—284)



1. A press comprising a ram, means for reciprocating the ram including a rotary ram shaft, means for driving the shaft including an electromagnetic inductive coupling having a coupling

field coil, an electromagnetic inductive brake for braking said shaft having a braking field coil, a reversible pole generator, a connection across the output of said generator including said coupling coil and an electric valve permitting current flow through said coupling coil only when said generator is of one polarity, a parallel connection across said generator output including said braking coil and an electric valve permitting current flow through said braking coil only when said generator is of opposite polarity, and means coordinated with the motion of the ram shaft for reversing current flow in the field of said generator for reversing its polarity.

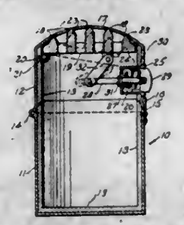
2,471,506
SPRAY TYPE WASHING MACHINE FOR SOLID OBJECTS
Harry Bruce Wiswall, Los Angeles, Calif.
Application March 22, 1943, Serial No. 479,976
3 Claims. (Cl. 134—43)



3. An apparatus of the type described comprising in combination: a washing cabinet having spray nozzles, supply pipes therefor and a drain; a circulating pump having an outlet connected with said supply pipes; a series of liquid containers arranged in a row below said cabinet; a drain conduit system for said cabinet including a main line communicating with a sewer outlet, a series of lateral pipes extending from said main line to each of said liquid containers, and three-way valves disposed in series in said main line for communicating with a corresponding lateral pipe or communicating with the succeeding valve; a supply conduit system for said cabinet including a main line extending between a water supply and a sewer outlet, a plurality of lateral intake lines extending from said main line to each of said containers and to said pump, a plurality of three-way valves disposed in series in said main supply line for communication with their respective containers or communication with the succeeding three-way valve, and an end three-way valve communicable with said pump or with said last named sewer outlet.

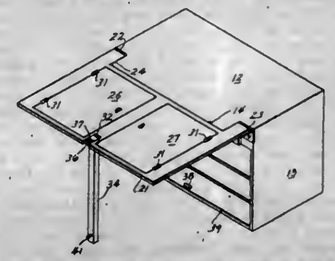
2,471,507
SALT SHAKER
Mozel A. Adams, Evangeline, La.
Application September 20, 1946, Serial No. 696,327
2 Claims. (Cl. 65—57)

1. In a salt shaker comprising a hollow body portion with a top having a plurality of holes arranged in rows therein, a movable closure grid within the hollow body portion having a plurality of grid bars with upwardly-projecting tapered points fixed thereon and adapted to close said holes in raised position of the closure grid, the features including a hinge connection between the edge of the closure grid and the rear edge of the salt shaker, a horizontally-disposed push bar extending slidably through the front wall of the



salt shaker, a spring biasing the closure grid upward upon the hinge connection into closed position, a downwardly-extending lug upon the bottom of said closure grid, a link pivotally connected at one end to the lug and at the other to the inner end of said push bar, there being a head or finger piece upon the outer end of the push bar, and a second spring urging said push bar outwardly with respect to the front wall of the shaker.

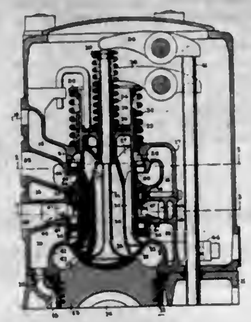
2,471,508
KITCHEN CABINET WITH TABLE FORMING FRONT
Senator W. Adams, Birmingham, Ala.
Application October 11, 1946, Serial No. 702,679
5 Claims. (Cl. 312—161)



1. In a cabinet embodying a door frame and doors therein forming a front for the cabinet, means to pivot the door frame at its upper end, a leg pivoted to the door frame adjacent the bottom thereof, a stationary latching member on the lower portion of the cabinet, and a complementary latching means carried by the pivoted end of said leg for engaging the stationary latching member to secure the pivoted frame to the cabinet.

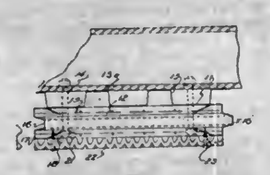
2,471,509
INLET AND EXHAUST VALVE MECHANISM WITH ASSOCIATED TURBOCHARGER
Karl Volmar Anderson, Milwaukee, Wis., assignor to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application May 9, 1947, Serial No. 747,080
8 Claims. (Cl. 60—13)

1. In an internal combustion engine the combination of a cylinder and piston enclosing a working space; coaxial inlet and exhaust poppet valves controlling admission to and exhaust from said space; a rotary runner encircling said valves and having turbine blades in the path of exhaust



flow and turbo-compressor blades in the path of inlet flow whereby the runner is adapted to apply the energy of exhaust to stimulate inlet flow; and means for operating said valves.

2,471,510
PANEL
John B. Anthony, Berkeley, Calif., assignor to Kaiser Engineers, Oakland, Calif., a corporation of California
Application October 19, 1945, Serial No. 623,223
4 Claims. (Cl. 108—6.5)



1. An exterior building wall including in combination a plurality of exposed and spaced apart parallel structural members, an interior panel assembly comprising a plurality of interlocking pre-cast slabs of fire resistant material lying adjacent one another and supported by and spaced from said structural members, a longitudinally corrugated exterior sheet interposed between and contacting said structural members and said slabs of said panel assembly and common fastening means for securing said corrugated sheet to said structural members and to said slabs.

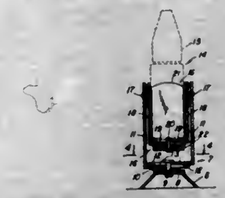
2,471,511
BASKETBALL TOY PADDLE
Solomon Axelrod, New York, N. Y.
Application December 30, 1948, Serial No. 68,241
4 Claims. (Cl. 273—97)

1. In an article of the character described, the combination of a paddle having an opening through its striking surface of a size to permit a ball to pass therethrough, an open-mouthed receptacle to receive the ball through said opening and a manually operable shutter to obstruct said opening to the passage of the ball therethrough;



the receptacle and shutter being carried on the paddle.

2,471,512
BOTTLE HOLDER
Everett W. Barlock, Ann Arbor, Mich., assignor of one-half to Pearle S. Reimann, Ann Arbor, Mich.
Application November 18, 1947, Serial No. 786,707
4 Claims. (Cl. 248—102)

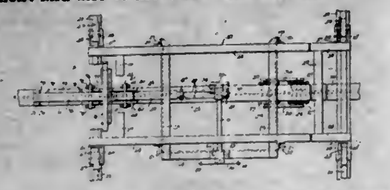


1. In a bottle holder of the class described, a relatively stationary stand, a suction cup on said stand for attaching same to the surface of a table or the like, a receiver-type bottle holder, said bottle holder being situated in and tiltably mounted on said stand, the stand being made up of relatively adjustable parts, and said holder also being made up of adjustable parts and the respective parts of the stand and bottle holder being simultaneously adjustable to handle bottles of varying sizes.

2,471,513
CONVEYER LOCKING AND ALIGNING SYSTEM
Aubrey B. Bogle, Highland Park, Mich.
Application December 15, 1945, Serial No. 635,240
4 Claims. (Cl. 104—98)

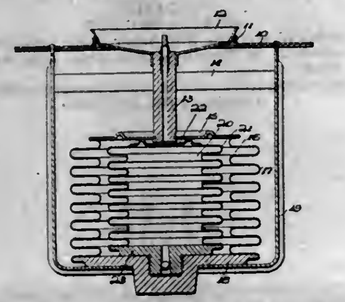
1. A safety aligning and stop mechanism for trolleys traveling on relatively movable tracks comprising a trolley stop pivotally mounted near the end of one track and arranged to swing into and out of stopping relationship with said trolley, a latching member movable into and out of latching engagement with said stop, a locking bolt reciprocably mounted on one of said tracks, a keeper mounted on the other of said tracks and having a bolt recess and an inclined cam portion, said cam portion being operative simultaneously

to lift said bolt upward into said recess in response to the relative motion of said tracks into alignment and also to move said latching member out



of latching engagement with said stop whereby to release said stop and permit travel of said trolley from one track to the other.

2,471,514
SAFETY TYPE THERMOSTAT
Charles D. Branson, Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware
Application July 20, 1945, Serial No. 606,194
6 Claims. (Cl. 297—8)



1. In a device of the character described, in combination with means to be controlled, an expansible and collapsible chamber having a movable wall operatively connected to said means and charged with gas under a vacuum, a second expansible and collapsible chamber within said first named chamber and charged with a vaporizable liquid, said second named chamber having a movable wall with which said first named movable wall is held in engagement by the difference in external and internal pressure acting on said first named chamber, said second named chamber being the sole means for expanding said first named chamber through the engagement of said movable walls as long as a vacuum remains in said first named chamber.

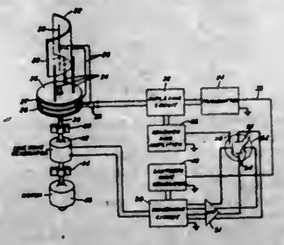
2,471,515
ANTENNA
George H. Brown and Jess Epstein, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application July 25, 1944, Serial No. 546,449
8 Claims. (Cl. 250—33)

1. A radio antenna comprising a plurality of stacked groups of four orthogonally disposed horizontal dipoles, spaced vertically at half wave intervals to form four orthogonally related panels; a vertical conductive member of square cross section, mechanically connected to and acting as a support and reflector for one of said panels respectively on each of its vertical surfaces, said member including an axial bore, a conductor disposed coaxially within said bore and cooperating with said member to function as a coaxial transmission line, and means for coupling respectively one element of each of said



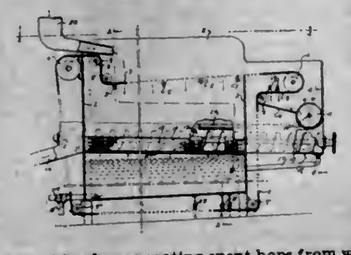
dipoles to said coaxial conductor and means for connecting respectively the other element of each of said dipoles to said supporting member, with the mechanical arrangements of adjacent stacked groups reversed with respect to each other whereby all of said dipoles are electrically cophasal.

2,471,516
PLAN POSITION INDICATING SYSTEM AND METHOD
Newton W. Bryant, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 20, 1941, Serial No. 423,757
5 Claims. (Cl. 343—11)



5. In a radio exploratory system, a highly directive rotating beam antenna, means for rotating said antenna about a vertical axis, a periodic pulse transmitter, a receiver, a duplexing unit connecting both said transmitter and said receiver to said antenna, a cathode ray oscilloscope having two pairs of deflecting plates, horizontal and vertical, respectively, in quadrature relation and a control anode, a source of sine wave voltage, a source of saw-tooth wave voltage, means for rotating said antenna, means for synchronizing said sine wave voltage with the rotation of said antenna, means for synchronizing said saw-tooth wave voltage with the emission of energy by said transmitter, means for combining said sine wave and saw-tooth wave voltages to provide a sine wave voltage and a cosine wave voltage, each modulated by said saw-tooth wave voltage, means for impressing the modulated sine and cosine voltage waves upon the horizontal and vertical deflecting plates of said oscilloscope, respectively, means for impressing the output of said receiver upon the control anode of said oscilloscope, means synchronized with the rotation of said antenna for generating control pulses at predetermined angular positions of said antenna and means for impressing said generated control pulses on said control anode to increase the intensity of the radial sweep traces of said cathode-ray oscilloscope at angular positions of said radial sweep trace corresponding to said predetermined angular positions of said antenna.

2,471,517
MACHINE FOR SEPARATING SPENT HOPS FROM WORT
Edmund L. Chaffee, Milwaukee, Wis.
Application April 15, 1946, Serial No. 662,167
1 Claim. (Cl. 210—149)

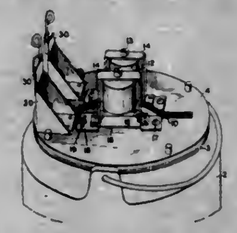


A machine for separating spent hops from wort, comprising a storage tank having side walls and front and rear walls, one side wall being provided with a longitudinally disposed drain slot extending from the front to the rear walls thereof and inclined downwardly towards said rear wall, a wort receiving hopper extending from the rear wall of said tank, having a semi-circular bottom inclined towards the slotted side of the tank and provided with a discharge mouth, an inclined trough extending from the slotted side wall of said tank and hopper communicating with the hopper discharge mouth and tank drain slot, whereby a fluid receiving pocket is formed at the lower end of said trough, a pipe communicating with the lower pocket end of the trough and tank, a semi-circular screen seated in the bottom of the aforesaid trough and extending longitudinally of the tank drain slot communicating with the same, and driven worms nested within the trough and hopper bottom, whereby the saturated hops are discharged into the bottom pocket of the trough and thereafter caused to travel upwardly therein to drain the wort through the slot into the tank.

2,471,518
NICOTINIC ACID AMIDE AND PROCESSES FOR PREPARING SAME
Bernard F. Daessel, Yonkers, and Harris L. Friedman, New York, N. Y., assignors to Pyridium Corporation, Nepera Park, N. Y., a corporation of New York
No Drawing. Application August 28, 1942, Serial No. 456,728
10 Claims. (Cl. 260—295.5)

3. The process of producing nicotinamide which comprises partially hydrolyzing 3-cyanopyridine by subjecting the same only to the action of an inorganic alkalizing agent in aqueous solution, said agent being employed in a quantity not substantially in excess of that required to produce an alkalinizing strength equivalent to that effected by sodium hydroxide in an amount of about 2½% of the weight of said 3-cyanopyridine.

2,471,519
ROTARY DISK GLUE APPLICATOR
Lawrence C. Fitzgerald, Oregon, Wis.; dedicated to the free use of the People in the territory of the United States
Application April 4, 1947, Serial No. 739,352
4 Claims. (Cl. 91—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An applicator comprising a casing, a slotted cover for said casing, a vertical disc supported within the casing, a portion of the disc projecting through the slot in the cover, a shaft passing through a hole in the center of the disc, means for positioning and fastening the disc on the shaft, said means and said disc being movable longitudinally along the shaft to adjust the position of the disc, mounting means for suspending said shaft from said cover, the said shaft being free to rotate, work guide means mounted on the cover at each side of the plane of the disc adjacent the lowermost portion of the projecting periphery of the disc, second work guide means comprising two vertical rollers the axes of which are each positioned at each face of the disc, opposite the point of maximum elevation of the periphery of the disc, which is the point of glue application, a vertical axial shaft for each roller, means for supporting each vertical shaft on the cover and for adjusting each roller, horizontally, toward or away from the said disc.

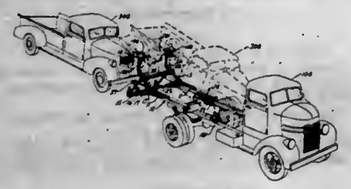
2,471,520
PRODUCTION OF ETHYLENE DIFORMATE
Harold W. Fleming, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 10, 1946, Serial No. 675,811
12 Claims. (Cl. 260—473)

1. The process which comprises oxidizing dioxane with an oxygen-containing gas at an elevated temperature and pressure such that ethylene diformate is formed.

2,471,521
MEANS FOR TRANSPORTING MOTOR VEHICLES
Floyd I. Galey, Detroit, Mich.
Application November 24, 1947, Serial No. 787,685
10 Claims. (Cl. 280—33.44)

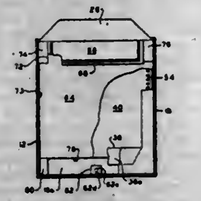
1. Means for transporting one motor vehicle on another motor vehicle serving as a transport

vehicle comprising a frame extension including upwardly and rearwardly disposed arms, an extensible bolster composed of a pair of extension members supported by and extensible with respect to the said frame extension arms and having upwardly disposed axle supporting arms at



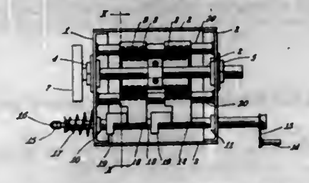
the ends thereof, an axle supporting cradle at the upper end of each of the said axle supporting arms, means for removably securing the rear axle of the vehicle to be transported in the said cradles, and means for removably securing the said frame extension to the said transport vehicle.

2,471,522
PHOTOGRAPHIC FILM HOLDER
Elmer E. Garrett, Freeport, Robert C. Steck, Mount Vernon, and Alexander T. Yasensky, Jamaica, N. Y., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application September 20, 1947, Serial No. 775,365
15 Claims. (Cl. 95—66)



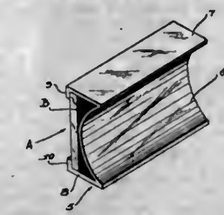
1. An assembly of materials adapted to direct photographic exposure of a film embodied therein and to processing of said film by subjection of the assembly to compression, said assembly comprising, in combination, a photographic film, an opaque sheet normally covering the light-sensitive surface of said film and adapted to displacement therefrom, a processing fluid contained for release between adjacent portions of said film surface and opaque sheet, and an envelope substantially enclosing the aforesaid materials, said envelope comprising an aperture normally closed by said opaque sheet and adapted to admit actinic light to said film surface when said sheet is displaced therefrom, said envelope also comprising an opening through which said opaque sheet may pass during said displacement thereof, said envelope being so formed as to leave uncovered a portion of said sheet when said sheet is in said envelope and is covering said light-sensitive surface so that said sheet is accessible for engagement by mechanical means for effecting slidable movement of said sheet relative to said film surface.

2,471,523
CIRCUIT ELEMENT FOR TUNING AN ELECTRIC CIRCUIT OVER A PLURALITY OF FREQUENCY BANDS
Frederik Hendrik Gusdorf and Alexandre Horowitz, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 17, 1946, Serial No. 662,880
In the Netherlands November 4, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 4, 1961
11 Claims. (Cl. 250—40)



1. An arrangement for tuning an electric circuit over a plurality of frequency bands, comprising a plurality of circuit elements, a variable capacitor having a first capacity adjusting means and a second capacity adjusting means independent of said first capacity adjusting means, a band selecting switch mechanically coupled to said first capacity adjusting means to adjust the capacity range of said second capacity adjusting means and select said circuit elements corresponding to a desired frequency band, and means coupled to said second capacity adjusting means to continuously vary the capacity of said capacitor through said adjusted capacity range to tune over said desired frequency band.

2,471,524
ANTIGLARE REARVIEW MIRROR ATTACHMENT
William L. Hendricks, Los Angeles, Calif.
Application April 23, 1946, Serial No. 664,219
1 Claim. (Cl. 88—77)



In a rear-view mirror structure of the class described, an elongated transversely curved transparent member, the longitudinal edges thereof being provided with right angularly disposed flanges, said flanges being of a length commensurate with the length of the transparent member, said flanges being parallel to one another and the free longitudinal edge portions of the flanges being laterally directed toward each other to provide a pair of retention lips, said flanges projecting in a direction to reach points beyond the convexed surface of said member, and a flat reflecting mirror fitted between said flanges and held in place by said lips, the reflecting side of said mirror being in contact with the convex side of said member.

2,471,525
REACTION OF AN ACETYLENE WITH HF TO PRODUCE VINYL FLUORIDE AND/OR DIFLUOROETHANE AND HOMOLOGUES THEREOF
John C. Hillyer and Joseph F. Wilson, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application December 19, 1947, Serial No. 792,832
11 Claims. (Cl. 260—653)

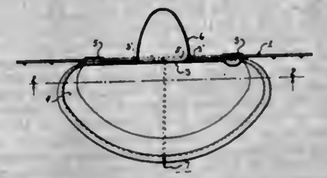
7. An improved method for reacting an acetylene and hydrogen fluoride, which comprises contacting a mixture comprising an acetylene and a molar excess of hydrogen fluoride with a solid catalyst comprising a catalytic material of the group consisting of aluminum fluoride and aluminum oxide at an elevated reaction temperature, whereby hydrogen fluoride adds to said acetylene, and recovering a resulting fluoro hydrocarbon.

2,471,526
DENTAL HAND PIECE
Hans E. T. Jensen, Los Angeles, Calif.
Application August 21, 1946, Serial No. 692,010
2 Claims. (Cl. 32—27)



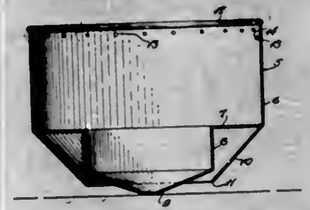
1. In a dental hand piece the combination with a tubular handle having a drive shaft carrying a driving pinion, and a head mounted on the handle having a bore intersecting the pinion axis and provided at its outer end with an interior thread, of a spindle journaled in said bore carrying a pinion meshing with the drive pinion, a sleeve carried by the threaded portion of the head having an inner end engaging the spindle pinion and an outer end extending beyond the head and knurled on its outer end for finger adjusting engagement and a nut on the projecting end of the sleeve cooperating with the head for locking said sleeve.

2,471,527
DRINKING CUP FOR MINK OR OTHER PENNED ANIMALS
Le Roy F. Jonas, Wausau, Wis.
Application February 14, 1947, Serial No. 728,541
1 Claim. (Cl. 119—18)



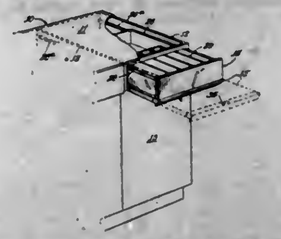
A water container for animal cages having an opening therein, comprising a pan in removable pivotal connection with the cage, a U-shaped cup extending from the pan through the cage opening, a division plate secured to the cage above the opening extending into the U-shaped cup there being a space between the cup edges and division plate to permit free flow of water between the pan and spout, and a lock and release bar pivoted to the pan having a hook end engagable with the cage wire.

2,471,528
CHILD'S ROCKING BOWL
Lester E. Kling, Yorktown, Va.
Application March 2, 1945, Serial No. 580,559
4 Claims. (Cl. 272—56)



3. A device of the class described including a walled cylindrical container, a cylindrical sleeve of reduced diameter at the base of said container, a bowl-shaped bottom on said sleeve, and an inverted frusto-conical guard depending from the base of said container and surrounding said sleeve but terminating at a point above said bottom.

2,471,529
CABINET WITH DRAWER AND WORK BOARD COMBINATION
Dwight La Barre, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 19, 1947, Serial No. 729,551
10 Claims. (Cl. 312—149)

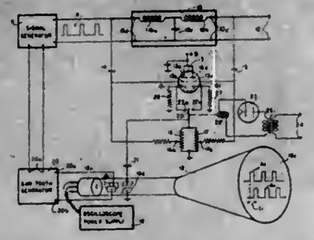


9. In combination with a support having a compartment; a drawer member slidable in said compartment; a work board member slidable in said compartment adjacent said drawer member; means whereby said drawer and work board are independently supported within the cabinet for sliding movement; and latch means releasably connecting said members for simultaneous movement, said latch means when released adapting said members for movement independent of each other.

2,471,530
SYSTEM FOR COMPARING SYNCHRONIZED WAVE SIGNALS
Seymour Lobel, Brooklyn, N. Y., assignor to Air King Products Company, Inc., a corporation of New York
Application September 12, 1945, Serial No. 615,895
1 Claim. (Cl. 315—26)

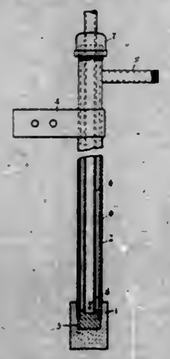
A system for enabling visual comparison of two related synchronized wave signals comprising,

two vacuum-tube repeater paths having individual input circuits and a common cathode load resistance means, said input circuits being returned to electrically spaced points on said resistance means, means for individually applying said signals to said input circuits, an oscillographic device, means for scanning said device



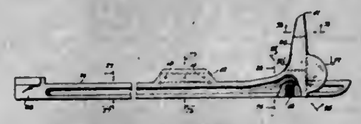
synchronously with said signals, means for deflecting the beam of said device, circuit means for coupling said deflecting means to said resistance means, and means for periodically connecting said resistance means alternately in circuit with said repeater paths, whereby laterally displaced traces of said signals are developed simultaneously by said device.

2,471,531
ELECTRODE
Glenn H. McIntyre, Cleveland Heights, and Robert E. Skinner, Lakewood, Ohio, assignors to Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio
Application October 30, 1946, Serial No. 706,616
1 Claim. (Cl. 13—18)



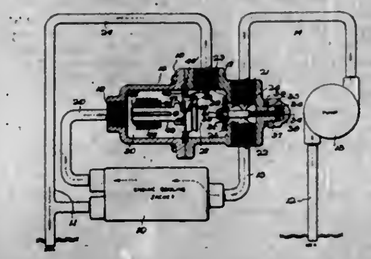
An electrode, comprising coaxial inner and outer tubular conductors forming an annular space therebetween, an exteriorly threaded imperforate plug having threaded engagement in one end of said outer conductor and formed with a central recess bearing a close telescopic fit over and thus coaxially locating the corresponding end of said inner conductor with respect to said outer conductor, a nut surrounding said inner conductor having threaded engagement with the other end of said outer conductor, said inner conductor being formed with a lateral opening adjacent said plug affording communication between the interior of said inner conductor and the annular space between said conductors, and an interiorly threaded electric conducting body threaded onto said outer conductor formed with a recess including bottom and side walls respectively in electrical contact with the outer end face of said plug and with the sides of said plug and outer conductor, such recess in said body being of depth such that said body extends along said outer conductor at least to a point opposite the lateral opening in said inner conductor and the annular space defined between said conductors.

2,471,532
PICKER STICK
Heinz Menking, Rocky River, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 20, 1945, Serial No. 573,687
2 Claims. (Cl. 139—157)



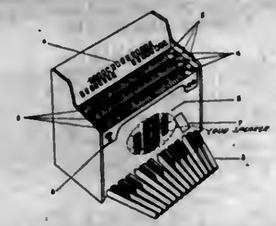
1. A magnesic metal picker stick having a cross section substantially in the shape of an I.

2,471,533
TEMPERATURE REGULATOR FOR INTERNAL-COMBUSTION ENGINES
David L. Morgan, Bridgeport, Conn., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware
Application March 10, 1947, Serial No. 733,642
6 Claims. (Cl. 123—178)



2. A temperature regulator for the cooling system of an internal combustion engine of the marine type including an engine jacket and a pump for delivering water from an external source to the engine jacket in excess of the requirements of the cooling system under at least some conditions, a housing providing a passage in communication with said pump and with the inlet of the engine jacket, said housing also providing a chamber in communication with the outlet of the engine jacket and an outlet chamber, an outlet conduit in communication with said outlet chamber, a valve port between said passage and said outlet chamber, a pressure responsive valve cooperating with said port and operable under variations in pressure in said passage for delivering variable quantities of water to said outlet chamber, a valve port between said first named chamber and said outlet chamber, a thermostatically operated valve cooperating with said last named port and responsive to the temperature in said first named chamber, and means in association with said last named valve for maintaining a predetermined flow of water over said thermostat when said thermostatically operated valve is closed.

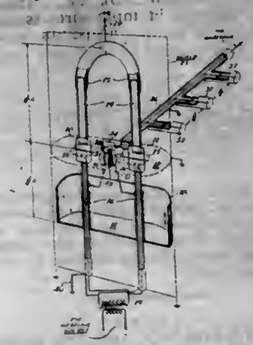
2,471,534
MUSICAL INSTRUMENT
William Muth and John Muth, Jr., Brooklyn, N. Y.
Application March 29, 1943, Serial No. 480,910
12 Claims. (Cl. 84—1.28)



1. In combination, a plurality of circular record discs having thereon a plurality of circular concentric endless recordings of musical tones according to the musical scale, the said recordings being characterized by a smooth overlapping of start and finish without respect to phase relationships of the recorded vibrations between the start portion and finish portion as produced by simultaneous magnetic erasing and recording, a plurality of shafts for carrying said record discs, means for driving the respective shafts at different steady speeds, a plurality of electrical recorder-reproducers adapted to simultaneously erase and record sound vibrations on said discs respectively cooperating with said circular recordings, microphone members adapted to take a pick-up from a musical instrument and an amplifier connectable between said microphone and said recorder-reproducers for producing said concentric endless recordings of musical tones, the said recordings comprising magnetic material discs, the said electrical recorder-reproducers comprising high permeability magnetic systems, cooperating with electrical windings thereon, a plurality of keys respectively having electrical contacts connected to said reproducers, an amplifier connected to said keys and a loud speaker system supplied with electrical vibrations from said amplifier.

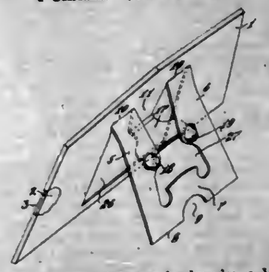
2,471,535
FEEDBACK SYSTEM
Leon S. Nergaard, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 2, 1945, Serial No. 608,576
14 Claims. (Cl. 250—36)

1. An electron discharge device system comprising a vacuum tube having separate cathode and anode tuned circuits, and a feedback loop magnetically coupling both of said tuned circuits, and means for maintaining the center of said loop substantially at ground potential over a path having reactance which is appreciably



greater than zero but low compared to the reactance of said loop at the operating frequency.

2,471,536
EASEL
Gordon E. Nichols, Middleboro, Mass., assignor to Winthrop-Atkins Co., Inc., Middleboro, Mass., a corporation of Massachusetts
Application February 7, 1946, Serial No. 646,114
4 Claims. (Cl. 248—35)

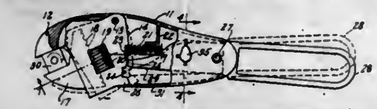


1. An easel comprising a body ply, a leg and a brace, the leg and brace being hinged at their upper ends to said body ply, the body ply having a chamber in which the leg and brace are housed when the easel is folded, the brace having laterally spaced tabs at its lower end, said tabs having locking elements and the leg having laterally spaced openings of such dimensions as freely to receive said tabs, the locking elements of said tabs being seated in locking engagement with the material bordering the openings by the natural resilience of the brace.

2,471,537
ADJUSTABLE RATCHET WRENCH
Arthur E. Norman, Fergus Falls, Minn.
Application September 16, 1947, Serial No. 774,291
5 Claims. (Cl. 81—91)

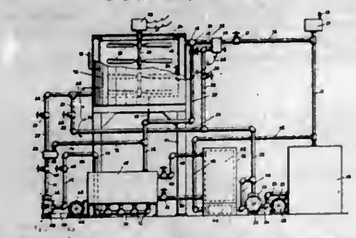
1. A wrench comprising a main hollow body member formed at its forward end with a first jaw element, a swingable member pivoted in said main body member and carrying a second jaw element at its forward end adapted to cooperate with said first jaw element, spring means biasing said swingable member forwardly, the rear edge of said swingable member being formed with a

pair of spaced projections defining a notch therebetween, a handle pivotally secured in said main body member and having a forward tip portion swingable to abut either of said spaced projections and adapted to enter said notch, and



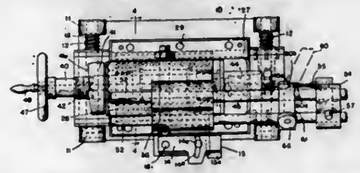
adjustable means limiting pivoting movement of said handle so that at times said forward tip portion may not be swung into abutting relation to one of said projections and at other times may not be swung into abutting relation to the other of said projections.

2,471,538
APPARATUS FOR HEATING AND COOLING KETTLES
Orion Ottis Oaks, Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y., a corporation of Delaware
Application September 16, 1947, Serial No. 774,376
1 Claim. (Cl. 257—4)



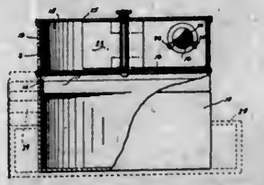
In a system and apparatus as described employing tetra-aryl ortho silicate as the heat transfer medium, a jacketed kettle, means for heating the heat transfer medium, closed means for circulating the heated heat transfer medium from said heating means through the jacket of said kettle and returning the heated heat transfer medium from the jacket of said kettle to said heating means, expansion means for the heated heat transfer medium in said circulating means above and adjacent to said heating means including normally closed pressure and vacuum responsive relief means, absorption type refrigerating means including a generator, closed means for circulating heated heat transfer medium from the heating means through said generator and for returning the heat transfer medium from said generator to the heating means, a reservoir receiving cooled transfer medium from said refrigerating means, closed means for circulating cooled transfer medium from said reservoir through the jacket of the kettle and from the jacket of the kettle to said reservoir, thermostatically controlled by-pass means in said first named circulating means and subject to temperatures within the kettle and constructed and arranged so that heated heat transfer medium will be by-passed around the jacket when temperatures within the kettle exceed desired temperatures, valve means in said first named circulating means for terminating the flow of heated heat transfer medium to the jacket when cooled transfer medium is admitted to the jacket, a thermostatically controlled by-pass means in said third named circulating means and subject to temperatures within the kettle and constructed and arranged so that cooled transfer medium will be by-passed around the jacket when temperatures within the kettle fall below desired temperatures, and valve means in said third named circulating means for terminating the flow of transfer medium to the jacket when heated heat transfer medium is admitted to the jacket.

2,471,539
FIXTURE FOR RELIEF GRINDING OF CUTTING TOOLS
Emmett E. Parker, Farmington, Mich., assignor to Midwest Tool & Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application July 21, 1947, Serial No. 762,234
7 Claims. (Cl. 51—232)



1. A fixture for the relief grinding of cutting tools comprising a base adapted for mounting on a grinding machine in operative relation to the grinder thereof, a sub-carriage mounted on said base for rectilinear movement thereover in one direction thereof, a super-carriage mounted on said sub-carriage for rectilinear movement thereon in a direction perpendicular to the aforesaid movement, a shaft rotatably mounted on said super-carriage with its axis parallel to the direction of movement of one of said carriages, said shaft being provided with an axially arranged tool holder at one end thereof, an exchangeable cam mounted on said shaft and a cooperating bearing whereby the rotation of said shaft will move the same and one of said carriages in one of the said directions, a second cam operated by the movement of said carriage for simultaneously moving the other carriage and shaft in the other of said directions thereby moving said tool axially and radially thereof with respect to the grinder.

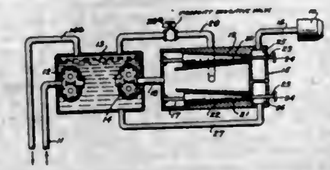
2,471,540
TRAP
Charles L. Phillips, St. George, N. Y.
Application October 8, 1946, Serial No. 702,011
1 Claim. (Cl. 43—71)



An animal trap, comprising a lower casing for holding water and having its top open, an upper casing having a side and bottom with the side projecting downwardly below the bottom to form a flange to be detachably mounted upon

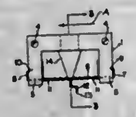
the upper open end of the lower casing, the bottom of the upper casing having a large outlet opening formed therein and the side having a small inlet opening, a cap removably mounted upon the upper end of the upper casing, a vertical bolt passing through the bottom and cap of the upper casing, a removable nut detachably engaging the bolt and disposed exteriorly of the cap, a rotatable element arranged within the upper casing and including radial vanes and a hub having an opening for receiving the bolt, the hub being removable from the bolt by an upward vertical movement, a toothed element mounted upon the lower portion of the bolt adjacent to the bottom of the upper casing for engaging the lower edges of the vanes, and a bait holding receptacle having a part contacting with the face of one vane and secured to such vane, the vane closing one side of the bait holding receptacle.

2,471,541
BURNER CONTROL SYSTEM, INCLUDING A VISCOSITY SENSITIVE BY-PASS VALVE
Raymond B. Plass, Berkeley, Calif., assignor to Ray Oil Burner Co., San Francisco, Calif., a corporation of Delaware
Application January 28, 1946, Serial No. 643,896
1 Claim. (Cl. 158—36.3)



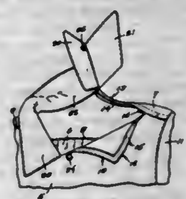
A burner control system comprising a source of fuel oil, an enclosed chamber, a pump for delivering oil from said source under pressure to said chamber, means for communicating part of the oil under pressure in the chamber to a burner, means for bypassing part of the oil from said chamber to the source, apparatus in said chamber for restricting flow through both of said means to regulate the flow substantially in compliance with Poiseuille's law, an auxiliary bypass for reducing flow to the burner, said auxiliary bypass extending between the source of oil and a point in said chamber containing said flow regulating means, and a regulating valve in said auxiliary bypass in close proximity to the connection of said bypass with said chamber, and similar flow restricting apparatus in said regulating valve.

2,471,542
PHONOGRAPH PICKUP UNIT USING MAGNETOSTRICTIVE WIRE
Stanley R. Rich, Cambridge, Mass.
Application October 25, 1945, Serial No. 624,362
8 Claims. (Cl. 179—100.41)



1. A phonograph pick-up device comprising a permanent magnet of high flux retentivity, providing two opposing pole elements, a magnetostrictive wire bridging said pole elements and supported thereby, means maintaining said magnetostrictive wire in torsion between the pole elements the torsional stresses acting in the same direction along its entire length, a stylus attached to said magnetostrictive wire in free equilibrium and extending from said magnetostrictive wire at the mid section thereof and a coil wound about said magnetostrictive wire on both sides of said stylus for converting the magnetic flux variations produced by said magnetostrictive wire to electromotive force.

2,471,543
SLIP-OVER STYLE OF OUTER GARMENT
Walter A. Riggs, Everett, Wash.
Application October 5, 1946, Serial No. 701,456
4 Claims. (Cl. 2—128)



1. A shirt of the slip-over type providing a neck opening in the body proper of the garment, and having a pull-down collar attached permanently to the body proper of the shirt through a portion only of the length of the collar and such as to leave one end of the collar free, said free end being comprised of a neck band arranged to underlie and a turned-down flap arranged to overlie the body proper of the shirt along the related margin of the neck opening, said neck band having the plan configuration of an elongated tetragon and being unattached to any part of the shirt other than the flap with said attachment extending only along the long side of the tetragonal figure, one shoulder of the shirt having a closeable gap leading laterally as a reentrant slit frum the neck opening and originating at a point approximately coinciding with the juncture of the free with the attached portions of the collar.

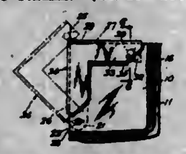
4. A shirt of the slip-over type providing meeting waist and shoulder-yoking sections acting together to provide a neck opening, and having a pull-down collar attached permanently to the body proper of the shirt through only a portion of the length of the collar leaving an end free, said free end being comprised of a neck band arranged to underlie and a turn-down flap arranged to overlie the related margin of the neck opening, the shirt being formed to present a closeable gap leading laterally as a reentrant slit from the neck opening and having the components of a zipper fastening provided along the meeting edges of said closeable gap arranged, when zipped for closing, to work in the direction of the neck opening, and also providing a flap arranged, when said zipper is zipped into closed condition, to project as a fly over and beyond the closed zipper to substantially conceal both components of said zipper fastening, said closeable gap originating at a point approximately coinciding with the juncture of the free with the attached portion of the collar and extending along a line parallel, or approximately parallel, with the crest of the garment's shoulder.

2,471,544
MEANS FOR CONNECTING MOORING CABLES TO ROTARY WINGED AIRCRAFT
Grant A. Ring, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 30, 1945, Serial No. 585,611
3 Claims. (Cl. 244—115)



1. Means for connecting a mooring or landing cable to rotary winged aircraft comprising in combination, a guide cable secured to said aircraft at two points spaced laterally from a vertical line passing through the center of gravity thereof, a pair of pulleys also secured to said aircraft for guiding said guide cable, said pulleys being spaced from said points and lying on the opposite side of the vertical line, said guide cable being longer than a line passing from one of said points through said pulleys and back to the other of said points, and a landing cable carriage mounted upon said guide cable at a pair of points lying between said pulleys and said points.

2,471,545
PICTURE FRAME HAVING PIVOTED CORNERPIECES
George Rosenberg, New York, and Louis Spiselman, Brooklyn, N. Y.
Application April 1, 1946, Serial No. 658,818
3 Claims. (Cl. 40—156)



3. In a picture frame provided with a back and with a coextensive glass, corner pieces each having a front section and a rear section, said sections being joined at the outer peripheral edges thereof by connecting portions integral with said sections and defining the bottom of a groove therebetween, a fastener pivotally securing an end part of the rear section to the back, and means aiding the fastener to retain the corner piece in an operative position wherein portions of the glass and back are received in the groove, said means comprising an area on the inner surface of one of the sections, which surface constitutes a side surface of the groove, said area being offset out of the plane of the remainder of the aforesaid inner surface and being offset at one end more than at the other end thereof and being movable with the corner piece in an arc about the fastener as a center, and a relatively fixed part on the back engaging said area and thereby changing the lateral distance of said relatively fixed part from the sections as the corner piece is rotated into and out of its operative position.

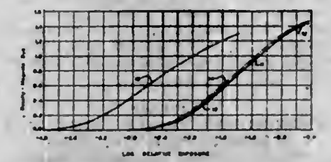
2,471,546
RODENT TRAP
Joseph Russell, Bailey, Mich., assignor of one-half to John Hoefling, Ravenna, Mich.
Application September 29, 1944, Serial No. 556,427
2 Claims. (Cl. 43—76)

1. A rodent trap comprising a box for captive reception of the rodents, a framework supported on said box above its floor and comprising an access tunnel opening at its outer end to receive a rodent and having a floor provided adjacent the inner end of the tunnel with a trap door opening through which the rodent can fall into said box, a normally horizontal trap door freely hinged on said framework and closing said trap door opening in its horizontal position and arranged to tilt downwardly into said opening under the weight of a rodent, a bait chamber at the inner end of said tunnel, a free-swinging bait arm pivoted to depend into said bait chamber and biased gravitationally to assume a normal vertical position therein, a bait container on the bait arm and normally positioned at the inner



end of the tunnel whereby a slight pressure against said arm by a rodent standing on the trap door is sufficient to actuate said arm into a release position, a detent on said arm engaging under the trap door to hold the same closed in the normal position of the bait arm, and coordinating means effectively connecting the bait arm and the trap door whereby inward actuation of the bait arm by the rodent withdraws said detent and releases the trap door to tilt downwardly under the weight of the rodent and deposit the rodent into said box, and whereby subsequent gravitational return of the bait arm toward the normal vertical position operates to reset the trap door in closed position and reengage the bait arm detent therewith.

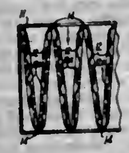
2,471,547
PHOTOGRAPHIC PROCESSES FOR PRODUCING MULTICOLOR IMAGES
William H. Ryan and Vivian K. Walworth, Cambridge, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application February 24, 1947, Serial No. 730,274
3 Claims. (Cl. 95—2)



1. A process of color photography which comprises exposing an emulsion layer containing light-sensitive material comprising at least one silver halide selected from the class consisting of silver bromide and silver chloride and forming therein a latent image representative of a color component of a multicolor image; developing said latent image with a color-forming developer which forms a dye image and a silver image in said layer; giving the layer a controlled uniform exposure to light; without development of latent image created by said uniform exposure, treating said layer by subjecting the layer to the action of only one soluble halide which is reactable

with silver ion to form silver halide and which is selected from the class of halides consisting of soluble bromides and soluble chlorides, and an oxidizing agent which is substantially inactive with respect to image dye and which in the presence of the soluble halide selected from said class of soluble halides, possesses the properties of effecting formation from silver of silver halide having a halogen element which is the same as that of said soluble halide, of destroying latent image, of reducing the sensitivity of unexposed silver halide and of forming reaction products other than said silver halide which are soluble whereby the light-sensitive material of said layer essentially comprises silver halide having the same halogen element as said soluble halide and possesses substantially uniform but lower sensitivity than the light-sensitive material of said layer prior to any exposure thereof; forming in the layer in register with said already-formed dye image at least one other latent image representative of another color component of said multicolor image and developing the last-mentioned latent image with a color-forming developer which forms in said layer a silver image and a dye image having a color different from that of said first-mentioned dye image; and when multicolor image formation is concluded removing substantially all silver and silver salts from said layer.

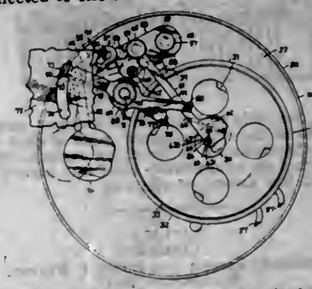
2,471,548
ZIGZAG FILTER CONSTRUCTION
Oliver H. Schaaf, Chagrin Falls, Ohio, assignor to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware
Original application February 1, 1943, Serial No. 474,311. Divided and this application December 14, 1945, Serial No. 634,996
4 Claims. (Cl. 183—71)



1. A fluid treating unit comprising a sheet of stiff screen material, said sheet having a series of zig-zag folds therein providing parallel ridges facing alternately in opposite directions, the flanks of each ridge diverging from the crest of the ridge, the material of said sheet along said flanks having corrugations extending at an acute angle to the crests of said ridges, and frame means open front and rear holding said folds with said ridges spaced apart so that fluid passing through said unit may pass between said ridges and through said folded screen generally at right angles to a plane passing through the ridges of said folds and said corrugations divert said fluid stream and catch small particles carried thereby.

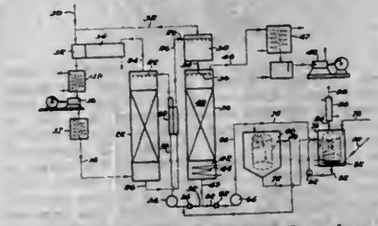
2,471,549
ELECTRIC ALARM CLOCK
William K. Sessions, Jr., Bristol, and Earl D. Brightman, Forestville, Conn., assignors to The Sessions Clock Co., Forestville, Conn., a corporation of Connecticut
Application November 26, 1947, Serial No. 788,292
22 Claims. (Cl. 58—38)

1. In an electric alarm clock: a cup-shaped bell comprising a bottom wall and a side wall; an electric motor mounted on said bottom wall within said side wall, said electric motor having a continuously-rotatable eccentric hammer-actuating pin; and mechanical alarm-means mounted on said bottom wall in juxtaposition to said motor, comprising a toggle-joint, a hammer operatively connected to one end of said toggle-joint and an



actuating-member engaged at one end by said eccentric-pin and pivoted at its opposite end to the opposite end of said toggle-joint thereby to transmit the movement of said actuating-member to said hammer for striking the side wall of said bell.

2,471,550
TREATMENT OF COKE-OVEN GAS
Joseph A. Shaw, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application March 9, 1948, Serial No. 13,881
In Great Britain July 10, 1946
17 Claims. (Cl. 260—677)



1. A process of separating olefines from gas containing hydrogen and small amounts of olefines and acetylene comprising: separating the olefines and acetylene from other constituents of the gas by selectively absorbing the olefines and acetylene in an aqueous solution of silver nitrate containing 25 to 35 percent by weight of silver nitrate, and maintaining in the solution free nitric acid and from 5 to 15 percent by weight of ferric nitrate based on the weight of silver nitrate in the solution to keep a silver acetylide complex formed by the absorption of acetylene dissolved in the silver nitrate absorbent and to prevent the precipitation of silver.

2,471,551
STOCK GUARD
James A. Slaughter, Kermit, Tex.
Application February 20, 1946, Serial No. 649,050
1 Claim. (Cl. 256—14)

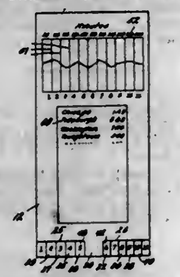
In a stock guard, a metallic sheet having a zig-zag cross-sectional configuration and form-

ing a plurality of spaced parallel drain channels each defined by a pair of spaced parallel side walls and a semi-circular bottom wall, upwardly convexed semi-circular portions of said sheet bridging together the side walls of the ad-



jacent channels and constituting spaced parallel surfaces of uncertain footing, each of said bottom walls declining in relatively opposite directions from an intermediate crest line toward the ends of the associated channel.

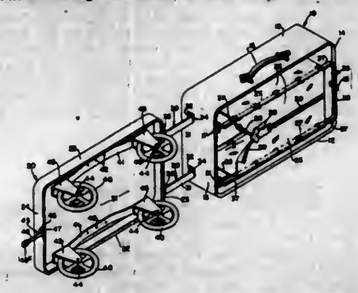
2,471,552
CHART
Benjamin Specter and James J. Murray, Washington, D. C.
Application July 24, 1946, Serial No. 685,895
4 Claims. (Cl. 283—35)



3. A sheet having a chart printed on both faces, the chart having crease lines for zigzag folding which divide each face of the sheet into a series of sections each composed of a pair of panels facing each other when the chart is folded, each panel having an integral tab dependent from its lower edge, each succeeding tab having a greater dimension edgewise of the panel than the preceding tab and having a portion exposed to view when the chart is folded, the exposed portions being disposed alternately to the right or left of the preceding tab, such exposed portions bearing indicia identifying said map sections, and serving as finger holds in turning the chart to selected sections; said exposed portions being divided into two groups of successive exposed portions, one of these groups serving to identify the sections on one face of the sheet and the other group for the other face of the chart.

2,471,553
COLLAPSIBLE PORTABLE CART
Samuel George Zuckerman, Brooklyn, N. Y., assignor of one-eighth to Albert B. Breslow, New York, N. Y.
Application March 18, 1947, Serial No. 735,490
11 Claims. (Cl. 280—37)

1. A collapsible cart comprising a body member constituting a composite suitcase and wagon member having a floor, sides and end walls, a pivotal member constituting a composite lid and wheel base member having a floor, sides and end walls, a pair of double-joint hinges each having a main link and end links, one of the end links of the hinges being secured to an end wall of the body member and the other end links being secured to the corresponding end wall of the pivotal member whereby the two members may be turned about said hinges to a closed suitcase condition with the pivotal member over the body member, or to an open hand-cart condition with said floor of the pivotal member in underlying relation to the floor of the other member, a pair of strips secured interiorly to the floor of the pivotal member and disposed close to the sides thereof, four wheels rotatively mounted on said strips, a handle-bar frame having lateral bars pivotally secured on one end wall of the body member whereby it is movable between an inner and outer position, its distal handle-bar portion being disposed close to the other end wall when the frame is in the inner position, a pair of sheets of pliable material secured along the floor of the body member to



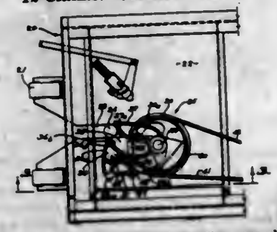
extend in substantially underlying relation to said lateral bars when the frame is in said inner position, a plurality of spaced hooks secured to said sheets and adapted to be hooked over said lateral bars, and a closure provided along the distal edges of said sheets to form an enclosed compartment, said wheels being received, when the device is in said closed suitcase condition, in the spaces between the sides of said compartment and the respective sides of the body member, and fastening means comprising a lock plate, a bar and plate to which said bar is pivotally secured, said bar having a tongue at its distal end, said lock plate being secured to a wall of the body member and said hinge plate being secured to the corresponding wall of the other member, whereby in said closed suitcase condition of the device, said bar tongue is received in said lock plate and when turned substantially 180° in said open hand-cart condition is received in the lock plate to lock the parts in said condition.

2,471,554
PROCESS FOR IMPROVING THE TENSILE STRENGTH OF GRAY COTTON YARN
Luther Axford, Clifton, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 21, 1947, Serial No. 756,323
6 Claims. (Cl. 117—7)

1. The process of improving the tensile strength of grey cotton yarn which comprises saturating the yarn with a hot aqueous solution comprising from 10 to 50 per cent of water and correspondingly from 90 to 50 per cent of a saturated monohydric aliphatic alcohol which contains from three to five carbon atoms per molecule and which is capable of dissolving water at 75°–95°

C. to the extent of at least 10 parts of water per 100 parts by weight of the alcohol and water solution, said solution being at a temperature of from 60° C. to the boiling point of said solution, tensioning the yarn while it is hot and wet with said solution at a temperature of from 60° C. to the boiling point of said solution and under a tension of from 50% to 75% of the breaking strength of the untreated yarn measured at 65% relative humidity and 70° F., and drying the resulting yarn under substantial tension at a temperature sufficiently high to volatilize all of said solution therefrom.

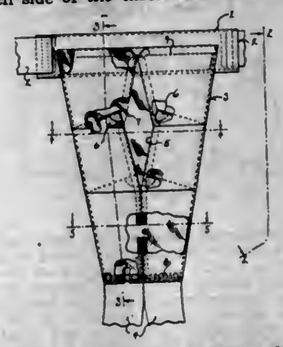
2,471,555
TRAILER COUPLING
Walter Bennett, Los Angeles, Calif., assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif., a corporation of California
Application September 20, 1946, Serial No. 698,094
12 Claims. (Cl. 280—33.05)



1. In a tractor and semi-trailer combination in which the tractor and trailer are provided with co-operating elements including a coupler on one vehicle and a coupler operating element on the other vehicle, and in which the trailer is provided with a support movable between supporting and nonsupporting positions by back-and-forth rotation of a support operating element; a rotatively mounted coupler unit adapted to rotate back and forth between two positions, and a flexible interconnective belt comprising two runs each extending between and connected to the coupler unit and the rotary support operating element to transmit rotational movement between them, the two belt runs being effectively connected to the rotary coupler unit and the rotary operating element at opposite sides of their respective axes of rotation, so that upon rotation of the coupler unit in one direction or in the opposite direction movement is transmitted to the operating element by tension exerted respectively through one or the other of the belt runs.

2,471,556
DIAPER HOLDER
Carol B. Birkle, Sheboygan, Wis.
Application March 6, 1947, Serial No. 732,814
1 Claim. (Cl. 128—284)

A diaper holder comprising a belt supported body formed from a double ply of waterproof material including an imperforate outer wall, said outer wall gradually tapering from its upper edge toward its lower edge, inturned flaps on the tapering side edges of the outer wall, said flaps being spaced apart adjacent to the upper end of the body defining an entrance throat and said flaps having their inner longitudinal edges in engagement adjacent to the lower end of the body, means securing the upper and lower ends of the flaps to the outer wall and to a belt, means securing the meeting edges of the flaps together below the throat and adjacent to their lower ends defining with the outer wall a depending sack, transversely extending pleats on the flaps on each side of the throat and above the sack



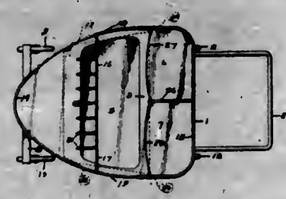
shortening the length of said flaps, whereby to impart a longitudinally extending, body conforming curve to the flaps and a fullness to the outer wall, and water absorbent material removably inserted in the body through the throat.

2,471,557
OIL SEAL REMOVING TOOL
Willard H. Bishop, Garrettsville, Ohio
Application December 20, 1944, Serial No. 569,021
1 Claim. (Cl. 81—3.1)



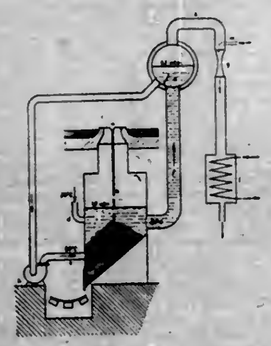
A tool for removing an oil seal from a housing surrounding an axle, the seal having a metal outer wall overhanging a yielding packing, said tool comprising a bar having a substantially straight shank and having a handle at one end extending in the same direction as the shank and connected with it by an offset portion, the shank at the other end being provided with a hook bill coming substantially to a point, the inner face of the bill extending at substantially a right angle to the shank and the outer face of said bill being curved from a point where it leaves the shank to said point of the hook bill, the said point being located a sufficient distance from the shank so that when the bill is inserted between the axle and seal and swung into position within the seal it will extend beyond the packing and bear against the inner face of said outer wall of the seal.

2,471,558
CARRIAGE
George Edward Barcher, Jr., Newport News, Va.
Application November 14, 1945, Serial No. 628,553
1 Claim. (Cl. 296—37)



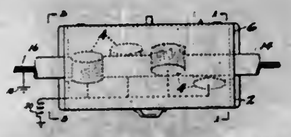
In a carriage of the character described, comprising a storage compartment and a seat compartment, a vehicle body having a floor composed of a front section and a rear section with an aperture therebetween, a foot rest beneath said aperture secured to the underside of said floor, a front wall rigidly secured to the front floor section, and a rear wall rigidly secured to the rear floor section, said front wall having an upright front portion and side portions extending rearwardly therefrom, said rear wall having an upright rear portion and side portions extending forwardly therefrom and spaced from the side portions of the front wall, in the vicinity of the rear portion of the said foot rest, a grill assembly disposed between and secured to the rear portions of the said side portions of the front wall, thereby forming the storage compartment of the carriage, and a seat member disposed between and secured to the said side portions of the rear wall, thereby forming the seat compartment of the carriage.

2,471,559
INSTALLATION FOR THE GRANULATION OF SLAG
Richard Dolezal, Vitkovice, Czechoslovakia
Application November 24, 1948, Serial No. 61,816
In Czechoslovakia November 27, 1947
5 Claims. (Cl. 18—2.4)



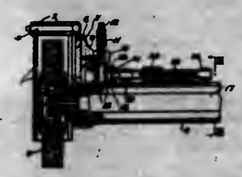
1. Installation for the granulation of slag comprising in combination a granulating chamber adapted to hold cooling water and having a top opening for the introduction of melted slag, an evaporation chamber, a pipe line to conduct warmed up cooling water from the granulating chamber into the evaporating chamber, a second pipe line to return the recooled water from the evaporating chamber into the granulating chamber and means effecting such return flow of the water, means to keep the temperature of the warmed up cooling water within the granulating chamber below its evaporation temperature, and means to reduce the pressure within the evaporating chamber below the evaporation pressure equivalent to the temperature of the warmed up cooling water entering said evaporating chamber.

2,471,560
SPARKING ELECTRODE FOR DRY ELECTRICAL TESTING OF INSULATED WIRE
Russell B. Everson, Tallman, N. Y., and William E. Ward, Dover, N. J., assignors to The Okonite Company, Passaic, N. J., a corporation of New Jersey
Application November 9, 1945, Serial No. 627,728
4 Claims. (Cl. 175—183)



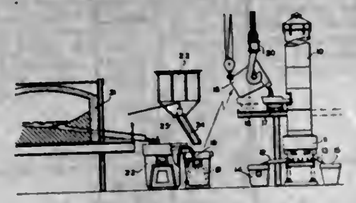
1. Testing apparatus for the dry testing of the insulation of electrically insulated wire, said apparatus comprising in combination a plurality of rotatable electrodes disposed in staggered relation along and about a common axis, said electrodes being rotatable about axes positioned at right angles circumferentially about said common axis, each electrode comprising a pair of spaced heads the plane of which is parallel to said common axis, spring metal members spanning or bridging said heads and constituting the body of each electrode, said spring metal members being adapted to engage the surface of the insulation under test when a wire the insulation of which is to be tested is moved along said common axis.

2,471,561
GUARD FOR GRINDING MACHINES AND THE LIKE
Edgar Charles Fielding, Walsall, England
Application September 20, 1946, Serial No. 698,188
In Great Britain October 25, 1945
5 Claims. (Cl. 51—269)



1. A guard for a grinding wheel or the like comprising two covers extending over the wheel, a common pivot upon which the two wheel-covers are pivotally mounted, the said pivot being disposed outwards of the wheel centre, a stationary part, cam slots in the stationary part, pins on the wheel-covers engaging the slots, the slots being disposed symmetrically on opposite sides of a plane containing the axes of the wheel and of the common pivot, and means for displacing said common pivot, the slots being so disposed and shaped that movement of the pivot with respect to the wheel centre causes the two wheel-covers to turn through equal angles about the said pivot, inwards or outwards, simultaneously.

2,471,562
METHOD OF UTILIZING METALLURGICAL SLAGS
George R. Fitterer, Oakmont, Pa., assignor to Eric H. Heckett, Valencia, Pa.
Application March 25, 1946, Serial No. 657,027
10 Claims. (Cl. 75—24)



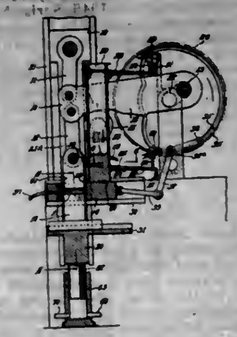
1. A process for the beneficial treatment of fluid metallurgical slag upon tapping of the same from a steel making furnace which consists of initially intermixing with said slag a quantity of exothermic reducing material operative to effect at least partial deoxidation of the metallic oxides contained in said slag, and completing said deoxidation by reaction with carbon in a cupola.

2. A process for the beneficial treatment of fluid metallurgical slag upon tapping of the same from a steel making furnace for the recovery of a metal alloy from the metallic oxides of the slag and the simultaneous production of a slag product usable as Portland cement "clinker" which consists of initially intermixing with said slag a limited quantity of metallic aluminum of an amount insufficient to effect complete reduction of the metal of said oxides, and completing the deoxidation of said metallic oxides by reaction with carbon in a cupola.

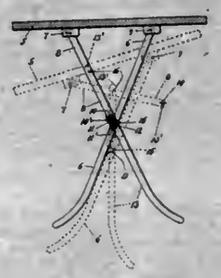
10. A process for the beneficial treatment of fluid metallurgical slag upon tapping of the same from a steel making furnace for the recovery of the values contained in the metallic oxides of the slag and the simultaneous production of a slag product useful as an agricultural fertilizer which consists of initially intermixing with said slag a quantity of exothermic reducing material operative to maintain the fluidity of the slag and to effect at least partial deoxidation of said oxides, completing said deoxidation in a heat imparting furnace whereby the heat and fluidity of said slag is further maintained, separating the metal and slag phases of the product of said furnace, and immediately thereafter infusing the slag product with crushed phosphate rock as desired.

2,471,563
TOGGLE PRESS AND METHOD FOR MOLDING ARTICLES FROM GRANULAR MATERIAL
Major E. Gates, Crystal Lake, Ill.
Application February 25, 1944, Serial No. 523,892
12 Claims. (Cl. 25—40)

1. In a press of the character described, the combination comprising a mold, a toggle frame carrying upper and lower plungers for compressing material in the mold, a hydraulic jack for controlling the position of said frame relative to said mold, means for introducing pressure liquid into said jack to elevate the same and adjustable means for relieving the pressure in said jack to limit its upward travel.



2,471,564
FOLDING TABLE
Henry V. Gaudette, Los Angeles, Calif.
Application February 1, 1946, Serial No. 644,832
1 Claim. (Cl. 311—83)



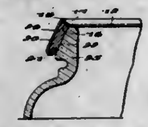
A folding table including a top, a pair of outer tubular legs pivotally connected thereto at their upper ends, a pair of inner tubular legs between said outer legs and pivotally connected to said outer legs intermediate their ends, whereby to be moved to crossed relationship with each other, a U-shaped tubular member having its two ends pivotally connected with said table top and its connecting portion parallel with and adjacent the axis of the pivotal connection between said outer and inner legs, a through bolt with spacing sleeve on, connecting said outer and inner legs and constituting the axis of their pivotal movements, an anchor plate rigidly secured to said through bolt and said spacing sleeve and having its free end positioned to be engaged flatwise by the connecting portion of said U-shaped member, when said table is in open operative condition, said plate having a hole therethrough and said connecting portion having a stud projecting therefrom to enter said hole as said table is opened up for use, said table top being rigidly held in a level horizontal position by means of said interconnections.

2,471,565

CONTAINER AND CLOSURE THEREFOR

Gustave Glocker, Washington, D. C.; Eugenie Glocker, administratrix of said Gustave Glocker, deceased, assignor to Super-Seal Container Corporation, Washington, D. C., a corporation of Delaware

Application December 4, 1945, Serial No. 632,647
2 Claims. (Cl. 215—40)



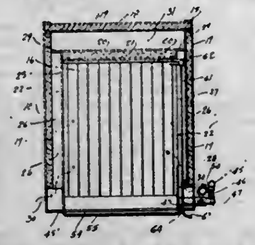
1. A package consisting of a container having a neck terminating in a mouth, a closure cap on the mouth of said container comprising, a disc-shaped top portion having a diameter substantially equal to the outer edge of the receptacle neck and adapted to rest in substantial contact with the walls defining the mouth of said receptacle, an annular bead carried by the peripheral portion of the disc-shaped top portion above the plane thereof and extending outwardly about the mouth of said receptacle, an annular frusto-conical shaped skirt depending from said bead and arranged substantially at right angles to the inner opposite wall of the bead and substantially parallel to an exterior surface of the receptacle neck whereby said closure cap may be seated without substantial pressure, an inwardly directed flange carried at the lower portion of the skirt, a sealing composition flowable under elevated temperature forming an annular layer of substantially uniform thickness about the inner surface of the skirt between the flange and the bead, the inner face of said annular layer being substantially parallel to the exterior seating surface of said neck, and said opposite wall of said annular bead forming an abutment surface limiting the upward and inward displacement of the heat flowable sealing composition.

2,471,566

COOKING OVEN WITH MEANS TO WITHDRAW UTENSILS THEREFROM

Richard Groetchen, Chicago, Ill.

Application February 23, 1945, Serial No. 579,329
2 Claims. (Cl. 126—337)



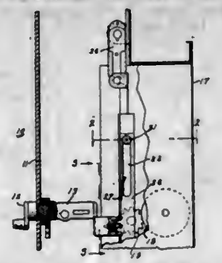
1. An apparatus of the class described including an enclosure, means dividing the enclosure into a plurality of compartments comprising spaced grid plates and burner structures spaced from the plates, a follower slidably supported upon each of said plates for removing pans or the like from the plates, and means for moving the follower over the plate comprising a handle element extending exteriorly of the enclosure through an opening formed in a wall thereof and having a longitudinally extending guiding groove formed therein, and a member carried by said wall and provided with a prong extending into said groove.

2,471,567

VOTING MACHINE

Alvin N. Gustavson, Bemus Point, N. Y., assignor to Automatic Voting Machine Corporation, Jamestown, N. Y., a corporation of Delaware

Application June 11, 1943, Serial No. 490,455
2 Claims. (Cl. 235—54)



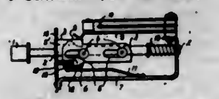
1. In a voting machine having an indicator movable into voting position, a counter for registering an indicated vote, a shaft mounted pinion operable to rotate said counter, gears keyed to and slidable along the shaft of said pinion, voter actuable means engageable with and adapted to sequentially act on said gears in one slidable position thereof, and means, operable by movement of said indicator, to position said gears for engagement by said voter actuable means.

2,471,568

ELECTRICAL SWITCHING DEVICE

William James Dafferen Harrison, Coventry, England, assignor to The General Electric Company Limited, London, England

Application February 8, 1946, Serial No. 646,385
In Great Britain January 16, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires January 16, 1965
9 Claims. (Cl. 74—469)



1. A switch device comprising an actuating member mounted for movement from a first to a second position, a second member mounted for movement between a first and a second position relative to said first member, means to bias said second member toward its first position relative to said first member, means to interconnect said members for joint movement upon actuation of said first member when said second member is in its first position relative to said first member, means to detain said second member after the same is moved with said first member upon movement of said first member from its first to its second position, whereby upon return of said first member to its first position, said second member will remain in its second position relative to said first member, a contact-actuating finger having an actuated and an unactuated setting, each of said members having a cam surface adapted to be engaged by said finger, said finger remaining

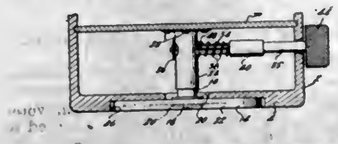
in one of its settings while engaging either of said cam surfaces, said cam surfaces being juxtaposed when said second member is in its first position relative to said first member, said finger engaging the cam surface of the second member when said first member is in its first position and said second member is in its first position relative to said first member, and said finger engaging the cam surface of the first member when said first member is in its second position whereby the setting of the finger is unaltered as the first member moves from its first to its second position and said finger shifts from the cam surface of the second member to the cam surface of the first member, said cam surfaces being spaced apart when said second member is in its second position relative to said first member and said first member is in its first position whereby said finger will move between the cam surfaces and thus into the other of its settings when said first member returns from its second to its first position.

2,471,569

RADIO RECEIVING SET

Malcolm Hay, Canajoharie, N. Y.

Application February 7, 1946, Serial No. 646,041
4 Claims. (Cl. 312—7)



1. The combination of a cabinet provided with a bottom wall having a recess in the underside thereof, the cabinet being normally supported by said bottom wall, a supplemental support rotatably connected with the cabinet and normally received in said recess, a manually operable member, means operable by said member for raising and lowering the cabinet with relation to said supplemental support to cause the cabinet to be respectively supported by said support and bottom wall, and means cooperating with said member and said first mentioned means for maintaining the cabinet in a desired position with relation to said support when said member is released.

2,471,570

ADDITION OF CHLORINATED ACETIC ACID DERIVATIVES TO OLEFINS

Morris S. Kharasch and Wilbert H. Urry, Chicago, Ill., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application August 23, 1946, Serial No. 692,734
4 Claims. (Cl. 260—406)

1. An adduct of a compound of the formula $RCH{=}CH_2$ where R is a saturated hydrocarbon radical in which the carbon atoms range from 1 to 6 and an acid chloride of a chloracetic acid which contains two to three alpha-chlorine atoms.

2,471,571

SEPARATOR

Garman O. Kimmell, Oklahoma City, Okla., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo., a corporation of Delaware

Application April 21, 1947, Serial No. 743,008
9 Claims. (Cl. 183—115)

1. In a separator of the character described, a primary separating section

ing sections located respectively above and below the primary separating section and having connections through axially arranged openings, means for effecting circumvolution of a combined liquid, gas and foam flow in the primary separating section to effect primary separation of the liquid from the gas and foam components of the flow to cause discharge of the gas and lighter foam into the upper secondary separating section and heavier foam into the lower secondary separating section, a gas quieting section having connection with the upper secondary separating section, a tray section below the lower secondary



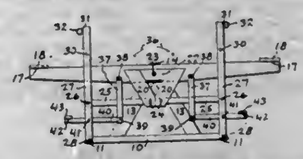
separating section for receiving the foam component from the lower secondary separating section, vent means directly connecting the tray section with the gas quieting section in bypassing relation with the separating sections, a liquid collecting section below the tray section, a canopy section between the tray section and liquid collecting section for housing a float adapted to operate on liquid admitted into the canopy section from the liquid collecting section, means for discharging liquid from the liquid collecting section, and means for discharging gas from the gas quieting section.

2,471,572

TEETERING DEVICE

Elmer H. Loker, Sioux City, Iowa, assignor of one-half to Edward P. Stahly, Sioux City, Iowa

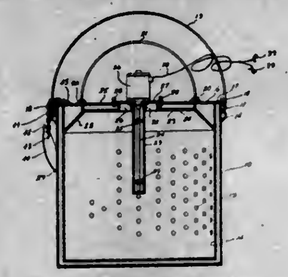
Application July 23, 1945, Serial No. 606,607
3 Claims. (Cl. 272—54)



3. A teetering device comprising a support, a teetering member pivoted centrally on said support, vertical arms pivoted to the support, handles attached to said arms for grasping by person seated at the ends of said teetering member, said arms being attached to said teetering member so that movement of said handles will rock the same, including links pivotally attached to the arms, brackets attached to said teetering member, said links beng pivotally attached to said brackets, further links pivotally attached to said teetering member, levers pivotally attached to said further links and to said arms, foot recess-

ing bars attached at the outer extremities of said levers, whereby foot action against said foot receiving members will cause further rocking action of said teetering member.

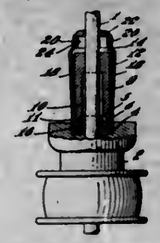
2,471,573
AERATED MINNOW BUCKET
Kenneth L. Lumpkin, Gladwater, Tex., assignor of one-fourth to Clinton A. Lowe, Houston, Tex.
Application June 14, 1946, Serial No. 676,754
1 Claim. (Cl. 43—57)



In a bait bucket comprising an outer receptacle with an imperforate bounding wall, an imperforate flat bottom and an open top, an inner receptacle with a flat bottom, a perforate bounding wall and a perforate top having a central opening, the features which include a flange on the outer receptacle about the open top, a corresponding flange of substantially equal diameter therewith integral with the top of the inner receptacle, spring clips serving to secure the flanges together, a bail upon said outer receptacle, a second independent bail upon the top of said inner receptacle, and an inner perforate top within said inner receptacle spaced below the first-mentioned top thereof and having the outer marginal portion thereof sloping outwardly downward to form a frusto-conical portion secured to the interior of the bounding wall of said inner receptacle, and which includes having the inner receptacle of sufficient cross-section and depth to present a very narrow space between the bounding wall thereof and the bounding wall of said outer receptacle and a similar narrow space between the flat bottoms of the two receptacles, a detachable closure for the opening in the first-mentioned top of said inner receptacle, a motor supported on said closure and a downwardly extending impeller driven by said motor, said closure having an opening adapted to receive said downwardly-extending impeller.

2,471,574
BOBBIN CLUTCH
George Magrath, Whitinsville, Mass.
Application August 20, 1945, Serial No. 611,621
4 Claims. (Cl. 242—46.2)

1. A bobbin clutch comprising a blade, a whirl mounted on said blade, said whirl having a circular recess concentric with said blade, a flanged neck seated in said recess, a case mounted on said blade above said neck, said case having a plurality of longitudinally extending, circumferentially spaced slots on its outer face, a clutch spring having an annular body disposed in said recess and anchored between the flange of said neck and the lower end of said case in contact with the portions between the slots therein, said spring having a plurality of circumferentially spaced resilient clutching fingers with their fixed ends positioned in the lower end of said slots so that their

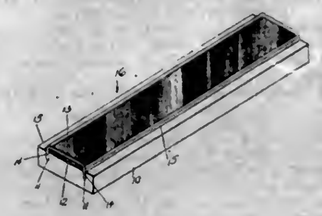


body portions and free ends may be flexed radially within said slots, and a cap fixed to said blade above said case, said cap having parts engageable with the free ends of said fingers to limit the outward flexing movement.

2,471,575
PROCESS OF PREPARING 2,4-DICHLORO-PHENOXYACETIC ACID
Richard H. F. Manske, Guelph, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 4, 1947, Serial No. 772,211. In Canada May 21, 1947
7 Claims. (Cl. 260—521)

1. A process of preparing 2,4-dichlorophenoxyacetic acid which comprises introducing elemental chlorine into phenoxyacetic acid while maintaining the phenoxyacetic acid and the resulting reaction mixture in the molten state and in the absence of a solvent until substantially two atoms of chlorine per molecule of phenoxyacetic acid originally present have entered into the phenoxyacetic acid molecule by substitution.

2,471,576
COMPOSITE ORNAMENTAL STRIP
Simon Matsner, New York, N. Y.
Application May 18, 1946, Serial No. 670,812
3 Claims. (Cl. 41—21)



1. As an article of manufacture, a composite ornamental strip comprising in combination a base having a pair of spaced apart parallel grooves extending longitudinally thereof, a non-plastic decorative strip superposed over the base intermediate the grooves, and a transparent channel shaped cover, the sides of which extend into the said grooves, the said cover being secured to the base.

2,471,577
BODYING OF OIL BY HEAT
Eugene W. Moffett, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application October 25, 1946, Serial No. 705,816
12 Claims. (Cl. 260—407)

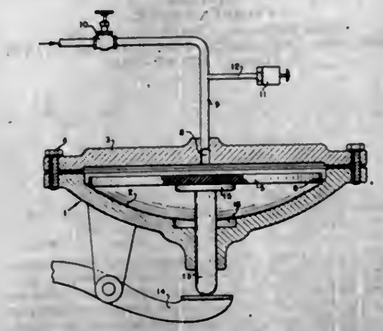
2. A process of heat bodying a glyceride drying oil which comprises admixing 2 to 4% of 3,4 epoxy 1 butene with the oil and subjecting the mixture to a temperature of about 290–310° C. until desired body is reached.

2,471,578
FAN
Robert D. Moore, Kansas City, Mo., assignor to The Moore Company, Kansas City, Mo., a corporation of Missouri
Application January 5, 1946, Serial No. 639,265
4 Claims. (Cl. 170—160.52)



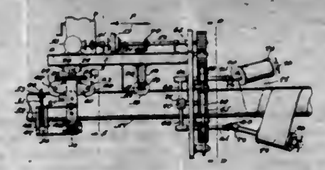
1. A fan including a hub having radial spindles, blades, cup-like housings carried by the blades and having openings for passing the spindles, collars on the spindles, resilient members in said housing on the respective sides of the collars, and means in the cup-like housings for retaining said resilient members in compression in the axial direction of the spindles.

2,471,579
AIR OPERATED ACTUATOR
John Neuroth, Syracuse, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application June 7, 1945, Serial No. 598,134
1 Claim. (Cl. 137—157)



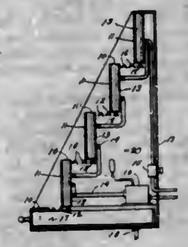
An air operated motor or actuator comprising a chamber having a concave wall, a piston having a cylindrical wall in the chamber opposed to the concave wall, the piston being a flexible resilient disk free of the walls of the chamber and initially engaging at the most the concave wall at the corner only of the cylindrical wall of the disk and the face thereof opposed to the concave face of the chamber, and conforming at the margin thereof with the concave wall when pressure is applied to the disk on the side thereof opposite to that exposed to the concave wall, and means for transmitting the flexing movement of the disk.

2,471,580
APPARATUS FOR TREATING PIPE
Ainslie Perrault and Lewis Perrault, Tulsa, Okla.
Application December 17, 1943, Serial No. 514,722
8 Claims. (Cl. 154—41)



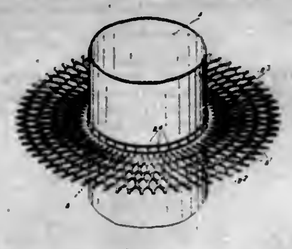
1. A pipe treating apparatus comprising a carriage arranged to travel upon a pipe line, a heating unit movable with the carriage and providing heat to the pipe from substantially all radii thereof for removal of moisture and loosening of scale, a rotatable pipe cleaning unit movable with the carriage and arranged to remove scale from the hot pipe, and a wrapping unit movable with the carriage and rotatable about the pipe simultaneous with the cleaning unit, said wrapping unit including rolls of thermoplastic wrapping material, said heating unit and wrapping unit so constructed and arranged to utilize the heat impounded in the pipe to cause the wrapping material to adhere to the pipe.

2,471,581
BOTTLE COOLING AND DISPLAY DEVICE
William G. Poissant, Youngstown, Ohio
Application September 17, 1947, Serial No. 774,580
5 Claims. (Cl. 62—89.8)



1. A liquor cooling and display device comprising a step-like construction, the vertically standing portions of which are provided with a plurality of cross sectionally arcuate, vertically standing recesses, each of which is of the approximate radius of a liquor bottle and means for refrigerating the said riser portions of the said device to form cold conducting walls with respect to bottles of liquor positioned against the vertically standing recesses thereof.

2,471,582
HEAT EXCHANGE APPARATUS FOR FLUIDS
Ralph Poole, London, England
Application October 25, 1945, Serial No. 624,456
In Great Britain September 15, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires September 15, 1964
2 Claims. (Cl. 257—262.16)



1. A heat conducting device, comprising a sheet metal strip having spaced first and second longitudinal edges and having spaced first and second groups of transverse slits therein to permit expansion thereof, each of said groups of slits including a plurality of transversely aligned slits and the slits of said first groups being staggered with respect to the slits of said second groups, the slits of said groups which are nearest said first longitudinal edge terminating at points spaced therefrom so as to render said first longitudinal edge continuous, the slits of said groups which are nearest said second longitudinal edge extending through said longitudinal edge to render the same discontinuous, said strip being bent along a line parallel to and spaced from said first longitudinal edge to provide a flange for attachment to a convex surface, the transverse slits nearest the said first longitudinal edge extending substantially to the line of bend; said strips being unexpandable at said first longitudinal edge and being expandable to a progressively increasing extent throughout its width from said first longitudinal edge to said second longitudinal edge.

2,471,583
STABILIZATION OF NITROCELLULOSE
Richard E. Reeves, New Orleans, La., and Joel E. Giddens, Washington, Ga., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application May 16, 1946, Serial No. 670,086
3 Claims. (Cl. 260—223)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. The process of stabilizing nitrocellulose comprising boiling nitrocellulose with an aqueous solution containing ammonium sulfate, said solution being buffered to maintain a pH of about 4 to 5.5.

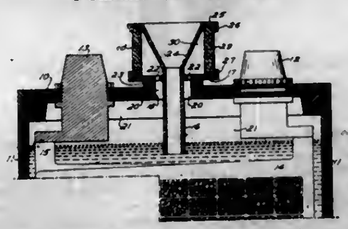
2,471,584
BRICK CLIP
Ronald Alfred Richards, Victoria, British Columbia, Canada
Application October 28, 1947, Serial No. 782,602
4 Claims. (Cl. 248—71)

1. A supporting clip adapted for insertion into brickwork joints or like recesses comprising a piece of strip material having a horizontal base adapted to rest on the lower side of the recess, an inner portion folded over the base to engage the upper side of the recess, a forward portion extended downwardly from the base portion to



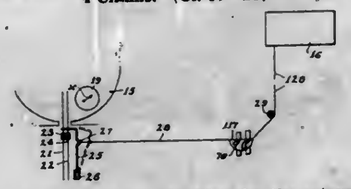
engage the marginal face of the recess, and an upwardly turned wing struck out from the strip material adapted to be engaged by a material supporting tie.

2,471,585
EXPLOSION-PROOF BATTERY VENT AND FILLER PLUG
John Bittenhouse, Norristown, Pa., and Melville F. Peters, Beltsville, Md., assignors, by mesne assignments, to C & D Batteries, Inc., Conshohocken, Pa., a corporation of Pennsylvania
Application March 9, 1946, Serial No. 653,324
3 Claims. (Cl. 136—179)



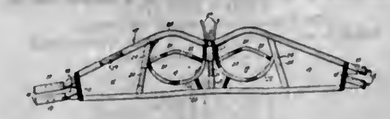
2. In a storage battery, a filling tube mounted to enter said battery, said tube being formed as a funnel at its outer end and having its inner end of a length to be submerged in the electrolyte in the battery, a porous stone encircling the protruding portion of said tube to form a chamber therewith, and means forming a passage between said chamber and the gas space above the electrolyte in said battery.

2,471,586
COMPENSATOR
Jonas Robinson, Clarks Summit, Pa.
Application December 21, 1946, Serial No. 717,728
4 Claims. (Cl. 87—14)



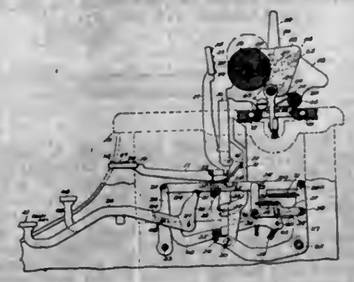
1. A device for compensating for the extension and contraction of an elongated connecting element extending between an actuating element and an actuated element, said device comprising a swinging element receiving a pulling force transmitted by said elongated connecting element and means supporting said swinging element to cause said swinging element to swing about said actuated element and to transmit a smaller pulling force to said actuated element.

2,471,587
BRASSIÈRE
Abraham Rubinstein, Brooklyn, N. Y., assignor to Perfect Brassiere Company, Inc., Jersey City, N. J., a corporation of New Jersey
Application November 30, 1946, Serial No. 713,269
2 Claims. (Cl. 2—42)



1. A brassière comprising a band for encirclement of the bust, said band including a pair of breast pockets, and at least three flexible stays providing suspension supports for said pockets, the stays being secured to the band and extending substantially from its lower marginal edge to its upper marginal edge, one of the stays being disposed vertically midway between and adjacent to the near edges of the two pockets, the other stays extending upward obliquely toward the central stay with the upper end of each oblique stay coming within the upper portion of the far edge of one of the pockets respectively, and with the lower end thereof spaced outwardly from the breast pocket.

2,471,588
TYPEWRITER MULTIPLE CASE SHIFT MECHANISM
Richard W. Sears, II, Evanston, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a corporation of Illinois
Application March 15, 1946, Serial No. 654,600
5 Claims. (Cl. 197—72)



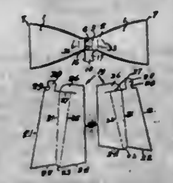
1. In a typewriter embodying type bars, each having two series of a plurality of characters, each series being individual to and active in one of the zones of operation into which the platen is moved, a platen carriage, a platen mounted upon the carriage for bodily swinging movement into two different zones of operation, a shift key for the platen carriage, a track located below and rearwardly of said platen, means mounting the track for bodily shifting movement, means connected with the platen and movable along said track, means operated in response to the actuation of said key for shifting said track to shift the platen, whereby the zone of operation of said platen may be changed, and means located rearwardly of the platen for releasably locking said platen in each of its zones of operation.

2,471,589
DETACHABLE BUTTON
Harry A. Shaffer, East Cleveland, Ohio
Application January 15, 1945, Serial No. 572,800
7 Claims. (Cl. 24—109)



1. A separable button, comprising in combination, an anchor member having a base portion attachable to a garment, a pair of supports on the base portion extendable through a garment button-hole and a ring integral with each support extending outwardly therefrom and parallel to and spaced from the base portion; and a head member having a recess therein and having two oppositely facing slots in the walls of the said recess detachably engaging the aforesaid rings.

2,471,590
DECORATIVE BOW
Frank C. Southgate, San Francisco, Calif.
Application July 1, 1946, Serial No. 680,815
11 Claims. (Cl. 41—10)

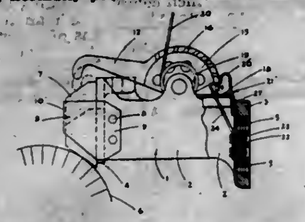


1. A blank for the forming of a bow comprising a hub, a pair of wings extended oppositely from said hub being made of flexible stiff material, each wing being adapted to be bent upon itself so as to bring its outer ends to said hub, engagement ears on said outer ends of said wings, said hub having slits therein to be engaged by said wings to hold said wings in bent position, the outer ends of each wing being scored by lines extended from and between the ears, each wing being cut between the ears inwardly so as to permit the dishing and denting of said outer ends at said score lines to form the hollow dished inner ends of each wing of the bow.

2,471,591
BRUSH HOLDER
Elio J. Talamini, Kearney, N. J., assignor to Joshua Hendy Iron Works, Ampere, N. J., a corporation of Nevada
Application January 31, 1945, Serial No. 575,390
2 Claims. (Cl. 171—323)

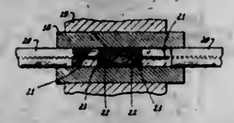
1. A brush holder comprising a body portion, a brush receiving portion mounted on the body portion, an arm pivotally mounted on the body portion and engaging the brush to hold it in position, a spring for applying tension to said arm, and a stop comprising a leaf spring member mounted on the body portion of the holder and arranged in the path of the arm to limit its move-

ment in a direction away from the brush, the stop being normally positioned to prevent movement



of the arm a distance sufficient to permit removal of the brush from the holder.

2,471,592
METHOD OF MAKING INSULATED RESISTORS
Homer G. Thomson, Wauwatosa, Wis., assignor to Allen Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 4, 1945, Serial No. 620,235
5 Claims. (Cl. 18—59)



1. The method of forming an insulated resistor of the class described which consists in subjecting a pre-determined quantity of plastic binder mixed with conductor particles to sufficient heat and pressure to solidify the same while held within a cavity of predetermined shape adapted to mold the same into the form of a core having electrode sockets therein, forming a tubular capsule having a partially closed end and an open end by subjecting plastic insulating material to heat and pressure while held within a cavity of predetermined shape, then inserting said core within said capsule through the open end thereof, then partially closing said open end of said capsule by application of heat and pressure thereto to form an encapsulated core having openings in said capsule opposite the electrode sockets in said core and then inserting electrode terminal heads through the openings in said capsule into said electrode sockets in said core while subjecting the whole while held within a cavity of predetermined shape to heat and pressure sufficient to cause said core and capsule to flow in the presence of one another into intimate contact with said terminals.

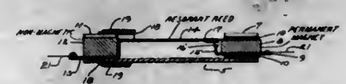
2,471,593
CROSSARM LATHE WRENCH
Irvin E. Toye, Omaha, Nebr.
Application August 18, 1947, Serial No. 769,292
2 Claims. (Cl. 81—177)

1. A lathe wrench comprising a handle portion provided with an elongated slot disposed therethrough, said slot having two oppositely disposed sidewalls and two oppositely disposed end walls, said handle portion having a hole extending therethrough in a direction transverse thereof, portions of said hole being disposed on either side of said slot; two nibs each being slidably disposed in a position extending partially into said hole and partially protruding outwardly of said oppositely disposed side walls of said slot; resilient means disposed in each of said hole portions adjacent said nibs; two set screws threadedly and adjustably secured to the walls of respective ones of said hole portions and on the opposite side of said resilient means from said nibs for regulating the pressure of said resilient means against respective ones of said nibs; and an elongated arm portion, said arm portion being of a length for re-



ceipt between said end walls of said slot at times when said arm portion is disposed in alignment with said slot, said arm portion having two parallel elongated recesses, the latter being disposed, one each, in opposite sides of said arm portion, said nibs being each partially received in respective ones of said recesses to permit said arm portion to pivot with respect to said handle portion and then to be moved in a direction transversely of said handle portion.

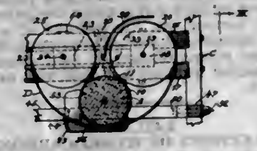
2,471,594
RESONANT MAGNETIC SWITCH ASSEMBLY
Herbert G. Weightman, Scituate, Mass., assignor, by mesne assignments, to Stevens-Arnold, Inc., Boston, Mass., a corporation of Massachusetts
Application August 14, 1946, Serial No. 690,387
4 Claims. (Cl. 200—91)



1. A resonant switch comprising a channel member having a base, and sides extending substantially perpendicular to said base; an armature of magnetizable spring metal; means including a filler block for supporting said armature as a cantilever beam in one end of said channel member; a contact member of magnetizable metal in the other end of said channel member and having its inner end overlapping and spaced from the free end of said armature; a permanent magnet alongside said contact member and having its inner end closely spaced from said free end of said armature; insulation around said contact member and said magnet for insulating same from said channel member; extensions on said sides of said channel member bent over at one end thereof for supporting said filler block and said armature in said channel member; other extensions on said sides bent over at the other end thereof for supporting said insulation, said magnet and said contact member in said channel member, and an energizing coil supported around said channel member for magnetizing said armature, said free end of said armature being adapted to strike said contact

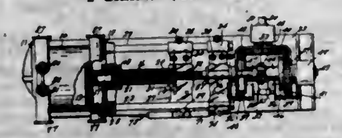
member and to close an electric circuit connected thereto and to said armature when alternating current having the resonant frequency of said armature is passed through said coil.

2,471,595
MACHINE AND METHOD OF MAKING OIL FILTER PACKS
Albert R. White, Glendale, Calif.
Application May 27, 1946, Serial No. 672,489
14 Claims. (Cl. 57—5)



1. In an oil filter pack-making machine, means for rotatably supporting a filter core, means for rotating the filter core and applying successive layers of a filtering material around the core and compressing these layers toward the core to provide a cylindrical oil filter pack, means for forming parallel opposing ends on the pack, and means for winding a string or the like spirally around the peripheral surface of the cylindrical pack for binding it permanently to the core.

2,471,596
PUMP
John C. Williams, Oakland, Calif.
Application April 4, 1945, Serial No. 586,551
1 Claim. (Cl. 74—59)



Driving means for a pump having a cylinder and a piston rod, comprising a standard having a bearing supported thereon, and tie rods anchoring said standard to said cylinder and simultaneously functioning as crosshead guides; a crosshead slidably operative on said guides and intermediately coupled to the end of said piston rod and having a nut included therein and forming a coupling for said nut to the outer end of the piston rod; a screw journaled in said bearing and threadedly operating in said nut and an axial bore formed in said piston rod to receive the screw as it operates through said nut.

2,471,597
PROCESS FOR SOLVENT EXTRACTION OF PENICILLIN CULTURE LIQUORS
Claude A. Wilkerson, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application July 15, 1946, Serial No. 683,771
9 Claims. (Cl. 195—2)

1. In a process for the solvent extraction of penicillin from aqueous penicillin-containing culture liquors from which the mycelial growth and the major portion of suspended solids have been removed with organic water-immiscible solvents, the method for preventing the formation of emulsions between the said culture liquors and the said solvents which comprises adding to said culture liquors a proteolytic enzyme in an amount of the order of a few thousandths of a per cent based on the weight of said culture liquors, and heating said culture liquors at a temperature between about 35 and 70° C. for a period of about two hours to inactivate emulsifiers present in the liquors, and then subjecting said culture liquors to solvent extraction with an organic water-immiscible solvent for penicillin.

2,471,598
TOOL FOR INSTALLING HOLLOW RIVETS
Homer E. Witt, Akron, and George A. Tincler, Randolph, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 3, 1945, Serial No. 632,570
3 Claims. (Cl. 218—19)

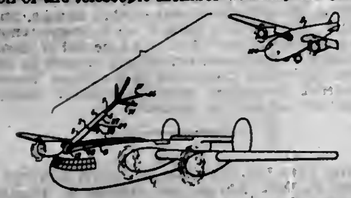


1. A tool for installing a hollow internally threaded rivet, said tool comprising a tubular housing having a side opening, a hollow handle of sheet metal secured to said housing about said opening and extending substantially radial to the axis of the housing, a bushing secured in one end of the housing, a hollow anvil slideably mounted in the bore of said bushing for movement axially of said housing, a bushing secured in the opposite end of said housing, a rod rotatably mounted in the bores of said last-named bushing and said anvil and having a threaded portion extending beyond said anvil for engagement with the threaded bore of a rivet, a knob secured to said rod beyond said housing for rotating said rod to engage it in the threaded bore of a rivet, a pivot pin extending through said handle in said side opening, cam means pivotally mounted on said pivot pin at said side opening and extending therethrough in engagement with the inner face of said anvil, spring means for holding said anvil in retracted position, and a lever secured to said cam and extending through and along said handle for rotating said cam to advance said anvil along said rod to effect upsetting of the rivet.

2,471,599
APPARATUS FOR CONNECTING AND DISCONNECTING HEAVIER-THAN-AIR AIRCRAFT WHILE IN FLIGHT
Sanford C. Young, French Creek, W. Va.
Application April 20, 1946, Serial No. 663,734
11 Claims. (Cl. 244—2)

1. In a device of the character described, an airplane, a telescopic arm pivotally mounted on said airplane at the forward end thereof, means for pivoting the telescopic arm to move the rearward portion thereof upwardly relative to said airplane, means for extending said telescopic arm

members, means on the telescopic arm adapted to engage a contacting plane whereby differential speed of the respective planes will cause retraction of the telescopic member whereby the planes



are moved into pickaback relation, and means responsive to differential of the speed of the planes for automatically releasing the contacting plane from engagement with said fingers.

2,471,600

METHOD OF MAKING FURFURYL ALCOHOL RESINOUS PRODUCTS AND THE PRODUCT

William H. Adams, Jr., and Hans H. Lebach, Newark, Del., assignors to Haveg Corporation, Newark, Del., a corporation of Delaware

No Drawing. Application November 29, 1944, Serial No. 565,808

12 Claims. (Cl. 260—38.5)

1. The process of preparing a convertible furfuryl resin composition, capable of utilization in the initial stage of condensation in the formation of articles therefrom and of subsequent conversion into the infusible, insoluble stage which comprises intimately mixing, with an initial resinous condensation product from which at least sufficient water has been removed to provide a viscous product and of insufficient acidity to be convertible during the utilization thereof in the formation of articles therefrom, said initial resinous condensation product being selected from the group consisting of furfuryl alcohol initial condensation products and initial condensation products of furfuryl alcohol and not more than about 15% furfural, an amount of latent catalytic material selected from the group consisting of dimethyl amino benzene sulphonate, diethyl amino toluene sulphonate, ammonium benzene sulphonate, ammonium benzene disulphonate, ammonium phenol sulphonate, ammonium naphthalene sulphonate, ammonium anthracene sulphonate, ammonium anthracene disulphonate, ammonium sulphanilate, ammonium paratoluene sulphonate, paratoluene sulphonchloride, and para acetyl amino benzene sulphon chloride, which is sufficient to cause, upon heating, condensation and polymerization of the resin into the infusible, insoluble stage characterized by a loss in flexural strength at 212° F., as compared with the flexural strength at 75° F., of less than 35%, when tested in accordance with the test set forth in the specification hereof.

2,471,601

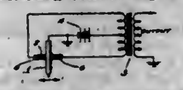
VARIABLE RESISTANCE PHONOGRAPH PICKUP

Robert B. Albright, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application April 28, 1944, Serial No. 533,218

8 Claims. (Cl. 179—100.41)

1. A phonograph pick-up device, comprising a deformable body composed of rubber and graphite, a stylus arranged to differentially deform different parts of said body when actuated by lateral cut undulations of a record groove, an output transformer including a primary winding, means connecting the extremities of said winding to the said parts of said body respectively, means connecting the midpoint of said winding to said stylus, a source of unidirectional voltage included in said last-mentioned connecting means, a second



body similar to said first body and arranged to be deformed by said stylus when the latter is actuated by vertical cut undulations of a record groove, a second primary winding on said transformer, and means connecting said second body and said second winding in circuit with said voltage source.

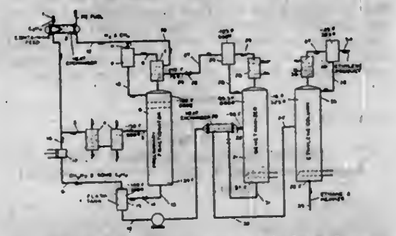
2,471,602

TREATMENT OF HYDROCARBONS

Philip M. Arnold, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application May 1, 1944, Serial No. 533,614

6 Claims. (Cl. 62—175.5)



1. The process of recovering ethylene from a feed stock containing the same in admixture with hydrogen and methane which comprises subjecting said feed stock to a fractionation operation and removing therefrom an overhead product comprising most of the hydrogen, some methane and practically no ethylene, passing the liquid bottoms from the fractionation operation to a demethanizing operation and therein fractionating same, removing an overhead product of methane from said demethanizing operation, and condensing this overhead product, refluxing said demethanizing operation with a portion of this condensed liquid methane, and flashing the balance of the condensed liquid methane and passing same in heat exchange with the overhead vapors from the first fractionation operation whereby a portion of said overhead vapors is condensed to a liquid, and refluxing said first fractionation operation with said condensed liquid, and removing bottoms of ethylene from said demethanizing operation.

2,471,603

RETRACTABLE MOUNTING AND LOCKING DEVICE FOR THE WHEELS OF AIRCRAFT

Arthur Ernest Joseph Bishop, Alexandria, near Sydney, New South Wales, Australia, assignor to National Motor Springs Pty. Limited, Alexandria, near Sydney, New South Wales, Australia, a company of New South Wales

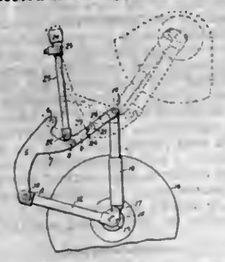
Application October 17, 1945, Serial No. 623,156

In Australia October 13, 1944

3 Claims. (Cl. 244—102)

1. An articulated frame mounting for the wheels of aircraft comprising a pillar, an arcuate

forearm member having a relatively deep base portion pivotally connected to the pillar and arranged in the wheel-running position to project forwardly and downwardly at an oblique angle to the pillar, a drag arm having its head end pivoted to the outer end of the arcuate forearm and declining rearwardly and supporting a wheel axle at its lower end, a rear arm comprising two members providing a telescoping shock absorber pivoted to the lower end of the drag arm and pivotally connected at its upper end to the rear of



the pillar, a toggle mechanism comprising a pair of links pivotally connected respectively to the base of the forearm member and the pillar, said toggle mechanism being actuable to lock the forearm relative to the pillar and retain the frame in projected wheel-running and retracted wheel positions respectively, a stop on said toggle limiting movement thereof from an in-line position in one direction, and means to actuate said toggle and move the frame from wheel-running to wheel retracted positions.

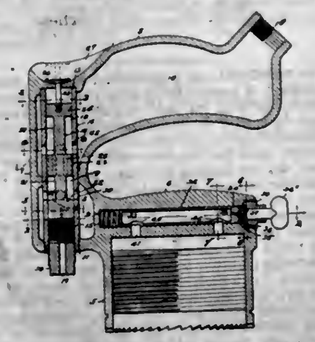
2,471,604

SAFETY DEVICE FOR PNEUMATIC TOOLS

Charles F. Boyer, Allentown, Pa.

Application March 7, 1947, Serial No. 733,239

1 Claim. (Cl. 121—35)



In a pneumatic tool including a head, a grip, and a handle connecting the head and grip, a cylinder mounted in the handle, a plug in one end of the cylinder, the plug having an air release opening and the cylinder having an air release port near said end and having air inlet and outlet ports, an air valve slidable in the cylinder and grooved to define heads at opposite ends of the valve and a medially positioned closure member, the closure member and one head respectively adapted in one extreme position of the valve to open the inlet and outlet ports, said head in said position of the valve closing the air release port, and in the other extreme position to close the inlet and outlet ports while opening the air release port, a spring between said head of the valve and the plug and adapted to normally retain the valve in the second named position, a stem connected to the other head, the handle having an opening at one end and the stem being slidably positioned through the opening, and a thumb lever on the stem and comprising means for shifting the valve to its other extreme position.

2,471,605

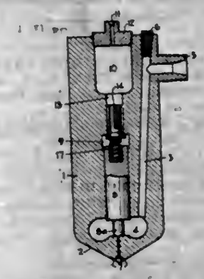
PRESSURE CONTROLLED INJECTION VALVE

Johannes J. Broeze, Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application June 30, 1947, Serial No. 758,107

In the Netherlands January 3, 1947

7 Claims. (Cl. 137—153)



1. A pressure controlled injection valve, for internal combustion engines comprising a casing having an axially extending guide bore, a fuel inlet passage, a fuel chamber at one end of the bore, a fuel discharge passage in said casing leading from said fuel chamber and provided with a valve seat, a loading chamber for loading liquid separate from said fuel chamber and in communication with said bore, and a reservoir for loading liquid; a valve member having a piston portion within said guide bore coacting with said valve seat for controlling said discharge passage and having a surface facing toward said seat exposed to the fuel pressure in said fuel chamber and a surface facing in the opposite direction exposed to the pressure of the loading liquid in the loading chamber, whereby fuel pressure will tend to open said valve member and loading liquid within said loading chamber will oppose the opening thereof; a narrow flow channel formed in said casing for the loading chamber adapted to permit the restricted flow of loading liquid out of the loading chamber; and a wider flow channel having a valve adapted to permit the substantially free flow of loading liquid from the reservoir into the loading chamber and prevent the free flow of loading liquid out of the loading chamber.

2,471,606

CLOTHESPIN

Bruce Burns, Los Angeles, Calif.

Application April 1, 1946, Serial No. 658,643

3 Claims. (Cl. 24—137)

1. In a clothespin: a pair of members, comprising jaw portions, means providing for rela-

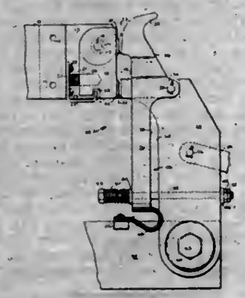
tive pivotal movement of said members about a transverse axis adjacent the rear ends of said jaw portions, each member also comprising a handle portion, said handle portions extending rearwardly from said axis and diverging outwardly from each other to provide a space therebetween when said jaw portions are pivoted into contact with each other, an opening through each member, said openings providing unobstructed and generally parallel straight passageways extending forwardly from the space between said handle portions and along outer surfaces of the associated jaw portions, and a C-shaped spring having its bight portion between said handle portions and its legs extending forwardly generally along said passageways and into engagement with the said outer surfaces of said jaw portions.



2,471,607
FACSIMILE RECORDING PAPERS
Frank G. Calkin, Glen Rock, N. J., assignor to Finch Telecommunications, Inc., Passaic, N. J., a corporation of Delaware
No Drawing. Application January 9, 1947, Serial No. 721,163
1 Claim. (Cl. 204—2)

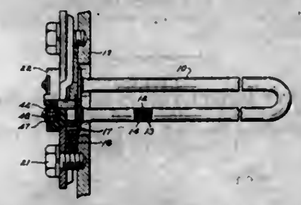
A dry conductive facsimile recording paper and an electrically discolorable coating therefor consisting essentially, in parts by relative weight, of lead formate 1.875, titanium dioxide 5.0, zinc dust 0.31, polyvinyl acetate solution 10 and ethyl acetate 20.

2,471,608
CIRCUIT BREAKER CONTACT CONSTRUCTION
Arthur S. Caswell, Philadelphia, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application April 22, 1944, Serial No. 532,269. Divided and this application November 2, 1946, Serial No. 707,289
4 Claims. (Cl. 200—170)



1. A circuit breaker structure comprising a terminal, opposed spaced plate extensions secured to said terminal, a pair of stationary contact juxtaposed blocks having a slot in one end thereof, a pin supported between said plate extensions, said contact blocks being pivotally mounted on said pin, a movable contact arm having main and arcing contact surfaces, said contact blocks having main and arcing contact surfaces, the main contact surface being engageable by the movable main contact surface and the arcing contact surface being engageable by the movable contact surface, said contact blocks being each provided with a bore, a positioning bracket secured to one end of said terminal, said bracket having a reentrant extension entering said slot, a compression spring positioned in each of said bores, one end of said compression spring bearing against the base of its bore and the opposite end bearing against said positioning bracket for biasing said contact blocks toward said movable contact, said re-entrant extension in said slot limiting the outward and inward movement of said contact blocks on said pivot pin, said contact blocks each having a bore extending from their engaging surfaces coaxial with each other and forming a continuous bore, a compression spring mounted in said continuous bore for biasing said contacts apart, a highly conductive spacing washer mounted between said contact blocks and said extension plates, said compression spring driving said contact blocks against their respective extension plates to form good electrical contact therewith.

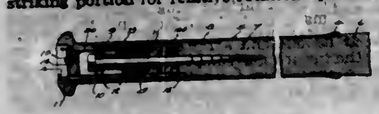
2,471,609
ELECTRIC IMMERSION HEATER
Allan P. Charbonneau, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 13, 1948, Serial No. 26,731
7 Claims. (Cl. 219—38)



1. In combination, a sheathed electric immersion heater, a gasket clamping plate to close the entrance opening for said heater into a receptacle and to shield hereinafter specified elements, said heater having its sheath projecting through said plate and having therewith fluid tight connection, an insulating terminal block into which the heater sheath projects with snug fit after passing through said plate, a mounting plate through which said block extends, said mounting plate being confined between the first mentioned plate and an abutting part of said block, and terminal plates located on the outer end of said block, to which the terminal leads of said heater are led through said block and to which said terminal leads are secured for electrical connection therewith and for securement of said block to said heater after assembly therewith of said mounting plate.

2,471,610
ROTATABLE PRACTICE BALL BAT
Carl A. Christensen, Milwaukee, Wis.
Application October 25, 1946, Serial No. 705,672
10 Claims. (Cl. 273—72)

1. As a new article of manufacture, a bat having a ball striking portion and an elongated handle portion in swivel connection with the ball striking portion for relative rotation upon a predetermined axis extending longitudinally of the handle.



2,471,611
PIPE CLAMP
Peter G. Damstra, Holland, Mich.
Application June 11, 1945, Serial No. 598,874
6 Claims. (Cl. 267—54)



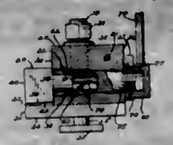
6. A structure as described comprising a base, a vertical post on said base bent into curved shape between its ends, said base having a socket therein, a clamping member having a foot removably received in said socket and having a curved portion between its ends, a cap to embrace the upper ends of both said post and said clamping member and means for retaining said cap in place.

2,471,612
THERMOPLASTIC LUGGAGE FRAME
Harry Freeman, Providence, R. I.
Application December 22, 1945, Serial No. 636,661
1 Claim. (Cl. 190—53)



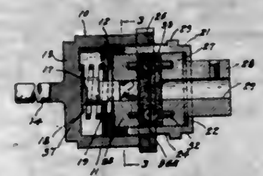
A luggage unit comprising a body portion having a plurality of walls, a thermoplastic frame extending completely about the edges of said walls and having a central rib and flange portions, said flange portions having outer surfaces extending from opposite sides of said rib substantially at right angles to each other to provide shoulders on said ribs, said shoulders and said surfaces forming exterior angles of at least ninety degrees, marginal portions of said walls being positioned adjacent said shoulders and in contact with said surfaces, said rib having a protuberance joining said shoulders and positioned outwardly of planes containing the walls, and said walls being weld bonded to said flanges.

2,471,613
CUTTER MOUNTING
Hugh A. Fry, Los Angeles, Calif.
Application July 23, 1945, Serial No. 606,545
2 Claims. (Cl. 82—36)



1. A cutter mounting for use in a machine tool including, a body having a finished face, a cutter carrier with cutter carrying means and having a finished face to cooperatively engage the face of the body and having a straight turned projection, and a single means gripping the carrier and holding it with its face in bearing engagement with the face of the body and including a jaw member carried in a tapered opening in the body and having a socket portion receiving the projection and contractible onto the projection when the member is moved lengthwise of the opening.

2,471,614
DEVICE FOR CONTROLLING THE TIGHTNESS OF EXPANDED TUBE JOINTS
Russell A. Gilman, San Gabriel, Calif.
Application June 1, 1948, Serial No. 30,368
1 Claim. (Cl. 64—30)



In a device for controlling the tightness of an expanded tube joint, an outer cup-shaped case, means for connecting said case with a source of torque force, a tubular inner case axially adjustable within said outer case, means for locking said cases in adjusted relation, a tube expander, a driven plate rotatably mounted within said inner case and having means for positive driving connection with said tube expander, a driving plate axially slidable within said inner case, a post fixed to said outer case having a non-circular part extending into a non-circular bore in said driving plate for driving the latter, said driving and driven plates having frictionally engaging faces, and a compression spring sleeved about said post to force the driving plate against said driven plate under pressure predetermined to effect expansion of the tube and to automatically release the expander when desired tightness of joint is attained.

2,471,615
BUSHING
John N. Gladden, Glendale, Calif.
Application August 7, 1944, Serial No. 548,439
3 Claims. (Cl. 286—26)

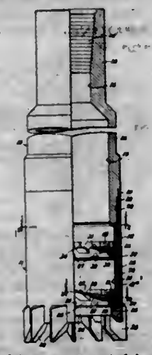
1. In an insert device, the combination of: a body member having a bore and a counterbore of larger diameter than said bore and axially aligned with said bore, there being a conical an-

nular shoulder therebetween, said body member having an integral relatively thin-walled, tubular extension providing a substantially conical, annular flange extending axially and radially inward and forming a semi cup-shaped closure element partially closing said counterbore; and an annular sealing ring confined in said counterbore and adapted to roll therein between said conical



shoulder and said conical closure element, said ring being formed of resilient material and being normally circular in cross section, said ring when assembled in said counterbore having an external diameter substantially equal to the diameter of said counterbore and an internal diameter substantially less than that of said bore, said counterbore being substantially longer than the axial dimension of said sealing ring.

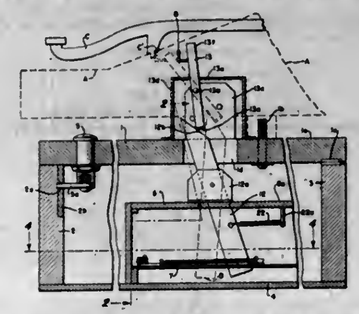
2,471,616
CORE CATCHER
John S. Goodwin, Whittier, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application April 10, 1945, Serial No. 587,453
6 Claims. (Cl. 255—72)



1. Core breaking and catching means including, a vertical external elongate ring having an inwardly directed annular shoulder flange at its lower end, a vertical internal ring of lesser height than the external ring arranged within the external ring and engaged with said shoulder flange, means connecting said rings, a plurality of seats comprising aligned notches formed in both rings, a plurality of like dogs, means pivotally mounting a dog in each seat, and resilient means engaging each dog and normally yieldingly holding it in position where it extends substantially radially of the rings and is inwardly directed from its point of pivotal mounting.

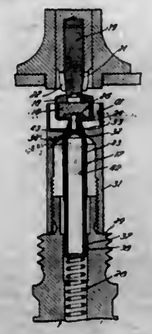
2,471,617
COIN-OPERATED TYPEWRITER CONTROL APPARATUS
Jesse B. Graham, La Mesa, Calif.
Application November 13, 1944, Serial No. 563,136
3 Claims. (Cl. 197—193)

1. In a coin operated typewriter control apparatus of the class described, the combination consisting of a reciprocably mounted coin receiving slide, a pivotally mounted arm having cam means in connection therewith near the end thereof and in the path of said coin receiving slide at its one end arranged to shift said arm with the inward movement of said coin receiving slide, a shaft connected with and forming the axis of said arm, escapement timing mechanism



in connection with said shaft and operable therewith, a pivotally mounted trip lever in the path of said pivotally mounted arm engageable with the cam means thereof, a latch in the path of said trip lever and arranged to engage the same, a spring tending to hold said trip lever in engagement with said latch, and a latch control lever operated by said timing mechanism arranged to relieve said latch.

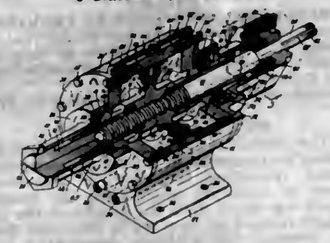
2,471,618
INSTRUMENT AND BEARING THEREFOR
Stanley S. Green, La Fayette, Ind., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind., a corporation of Indiana
Application May 26, 1943, Serial No. 488,493
23 Claims. (Cl. 308—159)



1. A bearing assembly for a rotative member and the like, including a holder, a pivot shiftable in the holder, urged in one direction by a spring and limited in its movement in said direction by means engaging the pivot near its tip and having an automatic centering action thereon, said pivot being elongated and having a close fit with the holder at a point remote from the tip to prevent canting of the pivot and being hollow to reduce

its inertia, and a cup-shaped jewel carried by the rotative member and resting on the tip of the pivot.

2,471,619
HYDRAULIC PRESSURE TRANSMITTER
Gordon W. Hardy, Cleveland Heights, Ohio
Application March 22, 1943, Serial No. 480,023
5 Claims. (Cl. 60—54.6)



1. In a hydraulic actuator, a cylinder, end caps secured on the ends of said cylinder, hollow axial bearing extensions screw threaded on said caps to provide a pair of aligned cylindrical internal bearing surfaces, a threaded shaft passing through said cylinder and into each of said aligned bearings and radially spaced therefrom, a piston with an axial opening in said cylinder, a tubular piston extension at each end of said piston, surrounding said shaft and extending into and journaled in respective hollow axial bearing extensions, an internal thread in said axial opening in said piston to engage thread on said shaft, and packing interposed between said caps and said hollow axial bearing extensions surrounding said tubular piston extensions at the ends of said pistons.

2,471,620
EXPENDABLE RAZOR
Julius H. Harris, Dallas, Tex.
Application May 28, 1945, Serial No. 596,199
4 Claims. (Cl. 30—47)



1. An expendable razor including a blade pocket and a handle formed of a blank of moisture-proof material comprising a rectangular intermediate section and rectangular side sections of shorter length than the intermediate section, one side section being of greater width than the other side section and being folded onto its companion half portion of the intermediate section, and the other side section being folded onto its companion half portion of the intermediate section whereby their abutting edges are offset from the axis of the intermediate section; the intermediate section being folded longitudinally along the abutting edges of the folded side sections to enclose the side sections, the wider side section having a series of perforations in the line of fold to form a razor blade guard; the blank thus formed being folded transversely at predetermined points to define a blade receiving pocket; a blade in said pocket having its edge exposed at the narrower of the folds of the intermediate section; the last named folds being secured to the pocket portion; the opposed ends of the blank being folded outwardly at their line of abutment at the center of the pocket portion; and the outer ends of the blank being secured together to form a handle portion.

2,471,621
MERCURY COMPOUNDS AND PROCESS OF MAKING SAME
Max Hartmann and Werner Bosshard, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J., a firm
No Drawing. Application June 30, 1945, Serial No. 602,675. In Switzerland August 4, 1944
14 Claims. (Cl. 260—431)

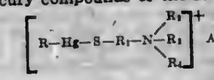
1. A mercury compound corresponding to the formula

R—Hg—S—R_1—A

wherein R is a member selected from the group consisting of alkyl, cycloalkyl and aryl univalent hydrocarbon radicals, R_1 is a member selected from the group consisting of alkylene, aralkylene and arylene divalent hydrocarbon radicals, and A stands for a tertiary dialkylamino group, R_1 being directly linked to the nitrogen atom of the latter.

2,471,622
MERCURY COMPOUNDS AND PROCESS OF PREPARING SAME
Max Hartmann and Werner Bosshard, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J., a corporation of New Jersey
No Drawing. Application June 30, 1945, Serial No. 602,676. In Switzerland August 4, 1944
14 Claims. (Cl. 260—431)

1. Mercury compounds of the formula



wherein R is a member selected from the group consisting of alkyl, cycloalkyl and aryl univalent hydrocarbon radicals, R_1 is a member selected from the group consisting of alkylene, aralkylene and arylene divalent hydrocarbon radicals, each of R_2, R_3 and R_4 represents an alkyl univalent hydrocarbon radical, and A is an anion selected from the group consisting of alkyl sulfate ions and aryl sulfonate ions.

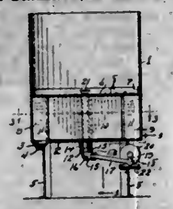
2,471,623
APPARATUS FOR HANDLING FLUIDS
Adrian O. Hubbell, Long Beach, Calif.
Application December 19, 1944, Serial No. 568,873
9 Claims. (Cl. 251—5)



9. A control for two resilient tubes including, an elongate body having an opening passing the tubes and having a guideway normal to the opening and having a bore entering it from one end, a web carried by the body shiftable to alternately pinch the tubes, and means normally yieldingly holding the web in position where it pinches one

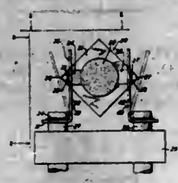
of the tubes and including a stem attached to the web and operating the web to pinch the other tube, the stem having a head slidably carried in the bore of the body and projecting from one end of the body to be engaged by an operator, said means including a spring in the body surrounding the stem and engaging the head.

2,471,624
CYLINDER HYDRAULIC WASHER
Lawrence Johnston, Meadville, Pa.
Application August 15, 1944, Serial No. 549,571
1 Claim. (Cl. 68—190)



In a washing machine, the combination, which comprises, a vertically disposed cylindrical casing, a false bottom having pairs of rows of perforations therein spaced from the lower end of the casing providing a lower compartment therein, and removably mounted in said casing, radially disposed partitions in the said lower compartment of the casing positioned between the rows of perforations, with one row of perforations of a pair on each side of each partition, a spider having a sleeve with a plurality of vanes extending therefrom rotatably mounted in the said lower compartment and with the vanes positioned between the said partitions, and means oscillating the said spider, wherein the said vanes squeeze water in the areas between the vanes and partitions upwardly through the rows of perforations of the false bottom on one side of each of said partitions as the vanes approach the partitions and draw water downwardly through the perforations behind the vanes.

2,471,625
ELECTRICAL MOUNTING DEVICE
Harold G. Johnstone, Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 18, 1944, Serial No. 550,052
2 Claims. (Cl. 173—324)

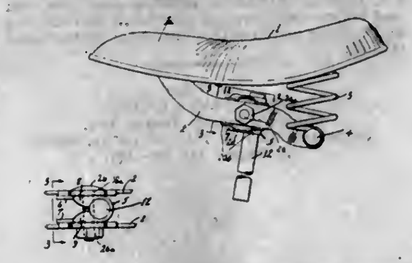


1. A mount for quickly attaching under gripping tension an electrical unit having a pair of spaced conductive terminals, including an insulator, a pair of resilient metal connector members mounted on the insulator and normally slanting upward and away from each other, each of said connector members having an aperture therein providing mutually opposed prongs between which a terminal of the electrical unit may be forced to be held thereby, and the parts being so related that when both terminals of the electrical unit are gripped respectively between the prongs of the two connector members the pronged apertures are held spaced less than their normal distance apart to securely hold the unit under a permanent pulling tension.

2,471,626
PRESERVATION OF EGGS BY FREEZING
Socrates A. Kaloyereas, Baton Rouge, La., assignor to Board of Supervisors of Louisiana State University and Agricultural and Mechanical College, Baton Rouge, La.
No Drawing. Application September 13, 1947, Serial No. 772,923
5 Claims. (Cl. 99—196)

1. The process of treating unbroken eggs preparatory to storage under low temperature, which includes subjecting the eggs to dehydration thereby to evaporate water from the contents through the shells until the weight of the eggs has been reduced by from 5% to 10%, and thereafter freezing the partially dehydrated eggs, whereby expansion of the contents within the shells, which takes place during freezing, does not break the shells.

2,471,627
POST AND CLAMP MECHANISM FOR CYCLE SADDLES
Harold E. Kalter, Elyria, Ohio, assignor to The Troxel Manufacturing Company, Elyria, Ohio, a corporation of Ohio
Application July 12, 1946, Serial No. 682,275
5 Claims. (Cl. 155—5.24)

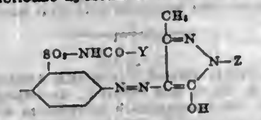


1. A cycle saddle post and clamp assembly comprising in combination with a pair of laterally spaced, longitudinally extending reach bars having transversely aligned apertures, a pair of indentured apertured members each carried by one of said reach bars, a substantially U-shaped clamp bent from a piece of flat sheet steel material and affording a web and a pair of intermediately apertured side arms, said arms positioned between, while extending longitudinally of, said bars, the outer surface of each arm disposed flatwise in contiguous relation to an inner surface portion of a different indentured member, a substantially upright post having a transverse notch on a side of its upper end portion, said upper portion adapted to be disposed between said arms and its unnotched surface portions to be concurrently engaged with inner surface portions of said arms and an inner surface portion of said web, and said notch being presented towards the space between the ends of the arms, and bolt means comprising a stem portion adapted to be projected successively

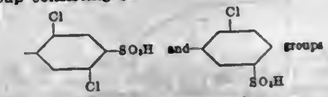
through a bar aperture, said indentured member and clamp arm apertures, and the other bar aperture and concurrently to pass through and be embraced by said post notch, and said bolt means adapted for adjustment to inwardly compress said bars against the indentured members, to inwardly compress the side portions of the clamp arms against the sides of the post.

2,471,628
MONOAZO PYRAZOLONE DYES
Oscar Knecht and Theodor Wirth, Basel, Switzerland, assignors to Sandoz Limited, Fribourg, Switzerland, a firm of Switzerland
No Drawing. Application July 26, 1945, Serial No. 607,258. In Switzerland August 21, 1944
4 Claims. (Cl. 260—163)

1. A monoazo dyestuff of the formula

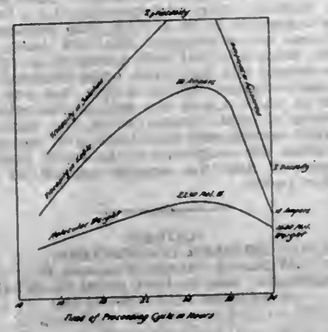


wherein Y stands for a member selected from the group consisting of the $C_{13}H_{11}$ and $C_{17}H_{13}$ radicals, and —Z represents a member selected from the group consisting of



groups

2,471,629
DEPOLYMERIZED COPAL-LIKE RESINOUS ESTERS
William Krumbhaar, New York, N. Y.
Application May 1, 1946, Serial No. 666,438
4 Claims. (Cl. 260—75)

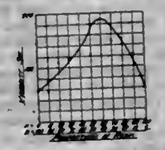


1. The method of preparing copal-like resinous esters which comprises depolymerizing a reversible gel resin of a rosin acid-polyhydric alcohol ester containing free hydroxyl groups, the polyhydric alcohol being selected from the group consisting of glycerine and the pentaerythritols, said rosin acid-polyhydric alcohol ester being modified by reaction with maleic acid and said reversible gel resin being free from fat acid esters, by heat treatment from just below gelation temperature to the maximum temperature used and from said maximum temperature back to just below gelation temperature, all in a time period of from 4 to 10 hours within the temperature range of 270 to 325° C. with agitation to equalize the temperature in the mass but without mastication, during which heat treatment the resinous ester first gels and then degels and passes through its maximum viscosity to produce a depolymerized copal-like resinous ester.

2,471,630
PRESSED AND SINTERED OXIDATION RESISTANT NICKEL ALLOYS
Jacob Kurtz, Teaneck, N. J., assignor to Callite Tungsten Corporation, Union City, N. J., a corporation of Delaware
No Drawing. Original application January 13, 1944, Serial No. 518,100. Divided and this application October 23, 1945, Serial No. 624,095
2 Claims. (Cl. 75—22)

1. A pressed and sintered oxidation resistant alloy consisting of 75% to 96% of nickel, chromium and copper in the proportions of 70.2%–74% nickel; 0.1%–2.0% chromium; and 29.7%–24% copper; and silver in the proportions of 25%–4%; the constituents being thoroughly diffused and free from chromium oxide inclusions.

2,471,631
FURFURYL ALCOHOL-PHENOL ALDEHYDE RESINOUS PRODUCTS AND METHOD OF MAKING THE SAME
Hans H. Lebach, Newark, Del., assignor to Haveg Corporation, Newark, Del., a corporation of Delaware
Application September 7, 1944, Serial No. 553,074
4 Claims. (Cl. 260—43)



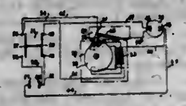
1. A potentially reactive resinous composition in the form of a viscous liquid which consists essentially of a potentially reactive, unmodified, syrupy, resinous product obtained by reacting phenol and formaldehyde and removing free water from said reaction product, and a potentially reactive unmodified, syrupy, resinous product obtained by acid-condensing a material selected from the group consisting of furfuryl alcohol and a mixture of furfuryl alcohol and not more than about 15% furfural and removing free water from said condensation product, the said phenol-formaldehyde resinous product being present in an amount between about 50% and about 25% based on the mixture of the said two resinous products.

2,471,632
RETARDED CEMENT
Norman C. Ludwig, Chicago, Ill., assignor to Universal Atlas Cement Company, a corporation of Indiana
No Drawing. Application February 12, 1947, Serial No. 728,207
4 Claims. (Cl. 106—93)

1. A cement composition adapted when mixed with water to form a slurry having a retarded set at temperatures above atmospheric, said composition comprising Portland cement and from

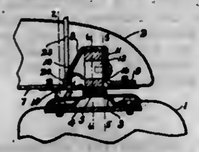
0.03 to 0.27% by weight of cement of one of the group consisting of dry cellulose oxidized by contact with nitrogen dioxide and inorganic salts of cellulose so oxidized.

2,471,633
ELECTRIC CIRCUIT CONTROLLER
George B. Lutz, Lakewood, Ohio
Application April 12, 1947, Serial No. 741,115
19 Claims. (Cl. 171—97)



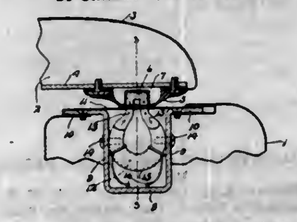
19. An electrical circuit controller comprising a manually operable switching means including a movable conductive means and spaced stationary electrical contacts adapted to be selectively engaged by said movable means to provide two independent paths for electrical power through said switching means, a first electrical circuit including electrical conductors adapted to connect an electrical appliance in series with a source of electrical power through one of said independent paths therefor of the switching means when the movable means is actuated to one position, an electrically operated timing device, an electrical switch periodically operated by said timing device, a second electrical circuit including electrical conductors adapted to connect the said electrical appliance in series with said source of electrical power through the periodically operated switch and the other of said independent paths of the switching means, and other electrical conductors adapted to connect said electrical timing device to said source of electrical power through the said other path of said switching means and in parallel with said periodically operated switch and appliance, whereby the said appliance may be selectively continuously energized through said first circuit or periodically energized through said second circuit and the said timing device is operated only when the appliance is connected for periodic energization.

2,471,634
REFRIGERATOR CLOSURE AND SEAL
Vennice E. Mark and Lloyd L. Anderson, Grand Rapids, Mich., assignors to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application July 27, 1944, Serial No. 546,888
3 Claims. (Cl. 20—69)



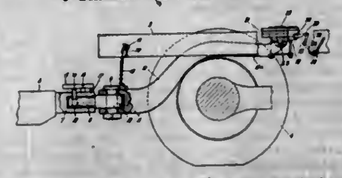
1. In a construction of the class described, a door jamb member, a door member movably mounted with respect thereto to be brought into closing relationship therewith, a sealing gasket of flexible compressible material secured to one of said members at the face thereof, an elongated channel support located within the other of said members, a magnet holder located lengthwise of the channel support and secured therein having spaced apart fingers extending toward the open side of the channel, a plate of non-magnetic material across the open side of the channel support, a permanent magnet and a block of non-magnetic material at each side of the permanent magnet located in each recess between adjacent fingers, a plurality of alternate blocks of soft iron and of non-magnetic material located between said magnet holder and said plate, and means for simultaneously shifting said blocks of soft iron and of non-magnetic material into positions where said iron blocks lie against the adjacent ends of the magnets and said blocks of non-magnetic material lie against the adjacent ends of the blocks of like material at each side of the magnets, or to another position where said blocks of soft iron extend across the blocks of non-magnetic material at each side of the magnets, and the adjacent end of each magnet is partially covered by a block of non-magnetic material between two adjacent soft iron blocks.

2,471,635
MAGNETIC DOOR CLOSURE AND SEAL
Vennice E. Mark and Lloyd L. Anderson, Grand Rapids, Mich., assignors to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application July 27, 1944, Serial No. 546,889
10 Claims. (Cl. 20—69)



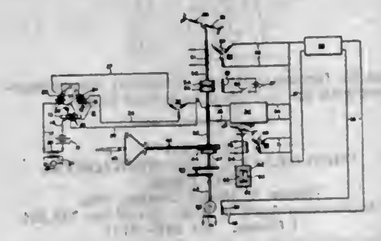
2. The combination including a door and a door jamb therefor, said door carrying a flexible gasket adapted to be brought into engagement with and pressed against the door jamb, said gasket being provided with a magnet lengthwise thereon and said door jamb being provided with an electromagnet having a core, the end portions of which are in the field of magnetic attraction of said magnet when the gasket is brought against said door jamb, and means for energizing the electromagnet to create repulsion between it and the magnet carried by said flexible gasket.

2,471,636
TRAILER CONNECTION
William E. Martin, Kewanee, Ill.
Application July 30, 1945, Serial No. 607,859
9 Claims. (Cl. 280—33.44)



1. A structure for the purpose indicated comprising a socket member for fixed attachment to a trailer unit, a fifth wheel for attachment to a truck, a connecting unit for connecting the socket to the fifth wheel, said connecting unit being unitary at one end and divided at its other end, and a spindle connected to the unitary end of said connecting unit, said spindle being readily connectible to and disconnectible from the socket, the ends of the divided end of the connecting unit being connected pivotally to said fifth wheel.

2,471,637
AUTOMATIC STEERING CONTROL
Alan M. MacCallum, Maywood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application November 26, 1945, Serial No. 630,808
12 Claims. (Cl. 318—489)

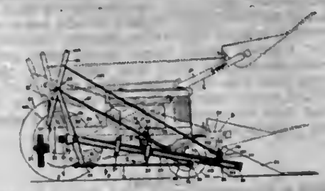


12. An automatic steering system for a craft having a control surface, comprising a servomotor for operating said surface, an inductive device having a wound stator and a wound rotor, means connecting said motor to said wound rotor for actuating the latter relative to said stator, a source of alternating current, a magnetic pick-off device comprising a core of permeable magnetic material adapted to receive a magnetic flux from a uni-directional magnetic field, a secondary winding on said core, a primary winding on said core connected for energization by said source of alternating current, means for interconnecting the secondary winding of said core to the wound stator of said inductive device, means electrically connecting the wound rotor of said inductive device to said motor for energizing the latter to operate said surface, normally yieldably centered follow-up means adapted for operation by said motor for modifying the energization of the latter, and means for connecting said follow-up means for operation by said motor.

2,471,638
RUST PREVENTIVE COMPOSITIONS
Paul R. McCarthy, Allison Park, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application July 14, 1945, Serial No. 605,178
6 Claims. (Cl. 106—14)

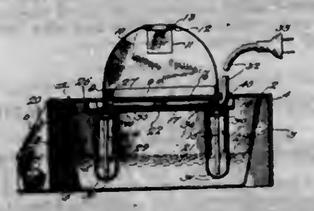
1. An improved liquid rust preventive composition adapted to form a water-impervious film on metal surfaces consisting essentially of a mineral oil having a viscosity within the range of from about 100 seconds to about 500 seconds at 100° F., and containing 5 to 15 per cent, by weight, of petrolatum wax, 1 to 2 per cent, by weight, of an oil-soluble wetting agent, and 1 to 2 per cent, by weight, of blown soya oil having a viscosity of about 1900 seconds to about 2000 seconds at 210° F.

2,471,639
LOADING MACHINE
Eric M. McElhaney, Dysart, Iowa
Application December 29, 1945, Serial No. 637,921
11 Claims. (Cl. 214—141)



1. A loading machine including a portable frame, and a pair of pivoted telescoped lifting arms arranged on opposite sides of said frame, means pivotally supporting the rear ends of said arms on said frame, telescoping members for said lifting arms movable forwardly of said frame, a load carrying unit supported between the front ends of said telescoping members, means for raising and lowering said lifting arms including a transverse rock shaft mounted on said frame, a pair of rock arms on said shaft, arranged at opposite sides of said frame and extended forwardly from said rock shaft for up and down movement in a vertical plane, with the free ends of said rock arms being adapted to movably support the telescoping members thereon, means for rocking said shaft, a pair of upright levers pivoted intermediate their ends on said frame adjacent to the rear ends of said lifting arms for pivotal movement longitudinally of said frame, first rods connected between said telescoping members and the upper ends of said levers, second rods connected between the free ends of said rock arms and the lower ends of said levers, with said first and second rods and said pivoted levers acting to extend and contract the telescoping members in response to the movement of said rock arms.

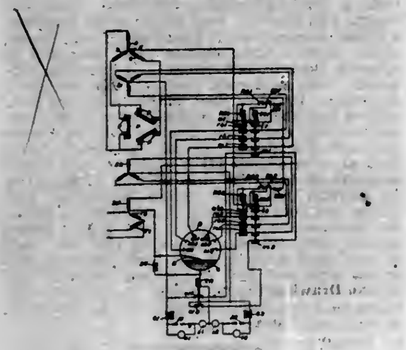
2,471,640
ELECTRIC INSECT AND RODENT TRAP
Leo M. McFadden, Denver, Colo., assignor to Roy Wilbur McKee, Jr., Lodi, Calif.
Application January 7, 1946, Serial No. 639,492
2 Claims. (Cl. 43—98)



1. An insect and rodent trap including an insulated water container and a cover adapted to be disposed over the same and to extend to the bottom thereof, a bait container on the side wall of said cover, an annular collar formed by concentrically arranged upstanding flanges on the top of said cover, a dome shaped wire screen cage detachably supported by said collar between said flanges and formed with a central opening, a

depending cylindrical screen guide supported in said central opening, said cover having an opening formed through it out of vertical alignment with said screen guide, a housing formed with spaced upper and lower walls secured to the under surface of said cover, an insulating disk supported upon the upper surface of said lower wall, depending spaced electrodes having positioning flanges formed about their upper ends seating on said insulating disk and extending therethrough and into the water when placed in said insulated water container, and means for connecting said electrodes with any desired electric current supply outlet.

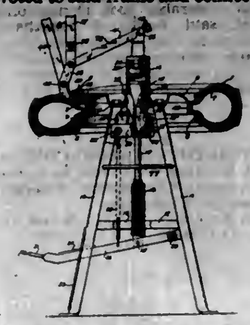
2,471,641
SUPPLY EQUIPMENT FOR ELECTRIC ARCS
John Charles Milne, Wolverhampton, England, assignor to The Electric Construction Company Limited, Wolverhampton, England, a British Company
Application January 4, 1949, Serial No. 69,117
In Great Britain May 27, 1946
3 Claims. (Cl. 315—141)



1. An alternating current electric equipment for supplying a pair of projection arc lamps, comprising a transformer having two secondary windings connected to operate in phase-opposition and a mercury vapour rectifier having two sets of electrodes establishing two distinct conductive paths in said rectifier, said two sets of electrodes being connected in circuit respectively with said secondary windings and with the projection arc lamps.

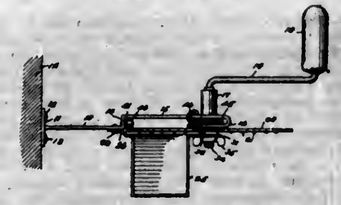
2,471,642
WHEEL SUPPORTING STAND FOR TIRE CHANGING
Benjamin E. Moltz, Gridley, Calif.
Application November 9, 1946, Serial No. 708,973
2 Claims. (Cl. 144—288)

1. A pneumatic tire machine comprising a supporting frame adapted to support a wheel having a central hub opening; a tube mounted on said frame to extend above said wheel through said hub opening, said tube having longitudinal slots through its lower portion; brackets on said tube on opposite sides of said slots; a plurality of cam surface - equipped jaws pivoted between said brackets respectively, said jaws being normally retained within said tube but being movable through said slots; a conical cam slidable within said tube and engaging said cam surface of said jaws and having a depending stem; and a foot pedal pivoted to said frame and connected to said



stem for forcing said jaws outwardly into engagement with the hub opening of said wheel.

2,471,643
FOOD GRATER WITH HORIZONTAL AXIS DISK
Wilson A. Moran, Antigo, Wis.
Application April 28, 1947, Serial No. 744,384
1 Claim. (Cl. 146—177)



In a food grater, a supporting bracket having an offset portion, means for securing one end of the bracket to a supporting surface, the offset end of the bracket being formed into a loop of a width equal to the width of the offset portion, the loop portion of the bracket having openings, an operating shaft extending through the openings, a handle formed at one end of the shaft for rotating the shaft, a grating disc secured to one end of the shaft to rotate therewith, spaced stub shafts mounted in the offset portion of the bracket and extending towards the disc, rollers mounted on the stub shafts and resting against the disc, a food guide chute pivotally mounted on the operating shaft adjacent to the rollers, a flange extending from the chute, studs extending from the bracket, said flange having openings accommodating the studs, pivotally supporting the chute on the bracket, and said chute guiding material to the grating disc to be grated.

2,471,644
LENGTH METERING APPARATUS FOR DRILL PIPE AND THE LIKE
Joseph F. Moore, Jr., Berryville, Va.
Application June 4, 1946, Serial No. 21,186
14 Claims. (Cl. 33—136)

14. In a successive lengths-metering apparatus, for association with drilling equipment including a bodily-reciprocable, elongative hook, for metering successive lengths of drill pipe suspended from said hook during bodily reciprocation of said hook, said apparatus including electric switch means operable upon elongation and retraction of said hook; a lengths-metering mechanism; electro-mechanical means operating said lengths-metering mechanism upon closing of said switch and bodily reciprocation of said hook, an electric conductor electrically connected with said switch and electro-mechanical means, a rotor over which intermediate portions of said conductor are trained, and means operatively connecting said rotor and lengths-metering



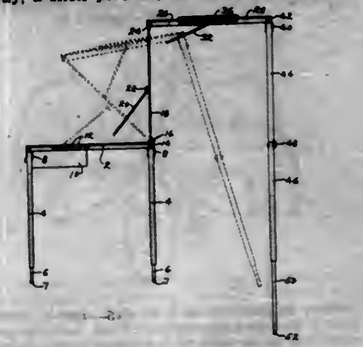
mechanism, to actuate said lengths-metering mechanism; and means to take up slack in said conductor at said intermediate portions thereof and between said switch and rotor, including a drum to which is attached the end portion opposite the switch-attached end portion of said conductor and over which the drum-attached end portion of said conductor is wound, and spring means for normally rotating said drum to wind said drum-attached end portion thereon and yieldably resisting unwinding of said conductor from said drum.

2,471,645
DETERGENT COMPOSITION
Mark M. Morris, Berkeley, and Annette K. Kleeman, San Francisco, Calif., assignors to Clorox Chemical Co., Oakland, Calif., a corporation of Delaware
No Drawing. Application August 30, 1946, Serial No. 694,148
4 Claims. (Cl. 252—137)

1. An aqueous household cleaning solution consisting essentially of water and the following three active ingredients in the following proportions by weight: an alkali metal hexametaphosphate—about five tenths percent (0.5%) to two percent (2.0%); triethanol amine—about five tenths percent (0.5%) to two percent (2.0%); wetting agent selected from the group consisting of alkyl aryl sulfonates, sulfonated alcohols, sulfonated castor oil and sulfonated soybean oil—about one tenth (1/10) the amount of the alkali metal hexametaphosphate; said solution having a pH of between about nine and two tenths (9.2) and ten (10).

2,471,646
BED TABLE
Elise R. Norwood, Fairfax, Calif.
Application September 23, 1946, Serial No. 698,797
2 Claims. (Cl. 311—95)

1. A folding bed table comprising a base tray having pivotally mounted legs depending therefrom, an intermediate panel pivoted at one edge to the tray, the pivotal connection of the panel to the tray adapted to permit swinging of the panel to selected angles up to 180° relative to the tray, a shelf pivotally mounted to the other



edge of the panel, the shelf being swingable to selected angles up to 180° relative to the tray, means for adjustably supporting the panel with relation to the tray, and the shelf with relation to the panel, and legs carried by the shelf and engageable with a supporting surface.

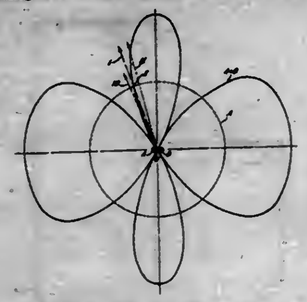
2,471,647
ISOMERIZATION OF OLEFINS IN THE PRESENCE OF HYDROGEN FLUORIDE IMPREGNATED ALUMINA
Alex G. Oblad and Joseph U. Messenger, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 4, 1946, Serial No. 651,990
3 Claims. (Cl. 260—683.2)

1. A process for converting straight chain olefins containing not more than six carbon atoms per molecule to branched chain olefins which comprises contacting at isomerization temperatures said straight chain olefins with a catalytic material consisting essentially of alumina catalyst impregnated with hydrofluoric acid, said catalyst containing fluorine equivalent to from about 0.5 per cent to about 10 per cent of hydrogen fluoride based on the total weight of the hydrofluoric acid-impregnated alumina.

2,471,648
EQUISIGNAL RADIO BEACON SYSTEM
William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Original application March 2, 1942, Serial No. 432,948. Divided and this application November 8, 1943, Serial No. 509,445
2 Claims. (Cl. 343—110)

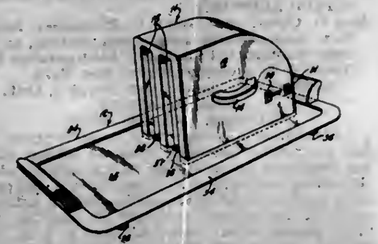
1. The method of producing a radio frequency equi-signal surface for guiding mobile vehicles which consists in radiating radio frequency signals of like frequency from a pair of spaced points, and producing each of said signals intermittently in substantially identical repeating cycles of off and on periods with the on periods of one signal overlapping the on periods of the other signal for a time constituting a substantial fraction of the duration of said periods.

6. A radio beacon system comprising a pair of antennae spaced from each other, means for radiating from said antennae radio frequency signals of like frequency, and means for cyclically interrupting the radiation from each of said an-



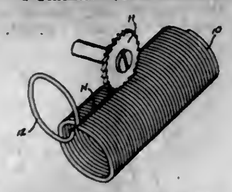
tennae to produce each of said signals intermittently in repeating cycles of off and on periods with the on periods of one signal overlapping the on periods of the other signal for a time constituting a substantial fraction of the duration of said periods.

2,471,649
TOASTER-TRAY COMBINATION
Herbert E. Page, Oakwood, Ohio
Application September 10, 1946, Serial No. 695,908
1 Claim. (Cl. 99—401)



In a toasting device, the combination of a toaster element comprising a casing having horizontally spaced sides defining therebetween a toasting compartment having unobstructed openings at its front and bottom, a heat element carried by each side, and a base for supporting the casing, the base having a top surface of substantially greater length than the length of the casing interrupted at and adjacent one end by a pair of horizontally spaced parallel recesses shaped to receive the lower edge portions of the sides of the casing and by an intervening plane surface disposed to project into and form a bottom for the compartment, whereby to support a slice of toast in the compartment and to provide a slideway for said toast, and pusher means in the rear end of the compartment operable to slide the toast along the slideway out of the compartment through the front opening onto that portion of the top surface of the base in front of the casing; said casing being movable relative to the base whereby to provide free access to the compartment through said openings for cleaning purposes.

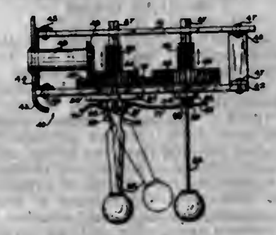
2,471,650
FUSIBLE RING AND METHOD OF MAKING SAME
Albert Pandolfi, Milwaukee, Wis., assignor to Donald F. Lucas, Howard A. Milhaupt, and Albert Pandolfi, copartners, doing business under the name and firm style of Lucas-Milhaupt Engineering Sales Co., Cudahy, Wis.
Application October 19, 1945, Serial No. 623,297
4 Claims. (Cl. 113—110)



1. As an article of manufacture, a substantially helical coil of material adapted to be fused into joints of parts to be united and also adapted to be packaged without tending to become entangled, said coil having a channel extending from end to end of said coil and penetrating successive convolutions, whereby its convolutions are individually notched to provide breakable zones so that individual split rings may be readily separated from the coil at the point and time of use.

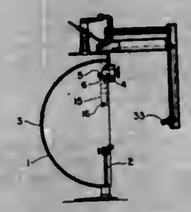
3. The herein described method of producing fusible rings which comprise size winding a wire of suitable composition on a mandrel into the form of a coil, and notching the convolutions of the coil in a line from end to end of a predetermined series of convolutions thereof to such an extent that each such convolution has a frangible or breakable section connecting it to the next adjacent coil whereby the coils may be packaged, stored or shipped without becoming entangled and individual convolutions may be readily broken from the coil at the time and place of use to provide separate unentangled split rings.

2,471,651
AUTOMATIC IGNITION SHUTOFF DEVICE
Anthony F. Pantuosco, New York, N. Y.
Application November 8, 1946, Serial No. 708,555
4 Claims. (Cl. 200—52)



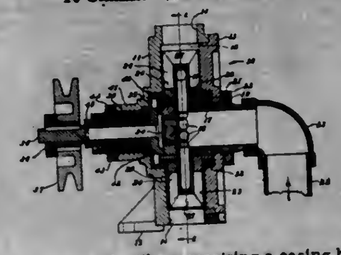
4. In combination with an automobile ignition system, a bottom plate, a top plate disposed above said bottom plate, a gear rotatively mounted on the top face of the bottom plate and formed with a concentric threaded opening, a shaft having a square top portion and a threaded lower portion threadedly engaging the threaded opening of said gear, said shaft having its square top portion slidably extended through a complementary opening formed in said top plate to retain said shaft against rotation to cause the shaft to move up or down when said gear is turned in one direction or the other, an insulation block mounted on the bottom face of said bottom plate and formed with a hole through which the bottom end of said shaft freely extends, spaced contacts mounted on said insulation block on opposite sides of said shaft and connected in series in the ignition system, a pendulum of conductive material pivotally mounted on the bottom end of said shaft, ears extending laterally from the sides of said pendulum and engaging said contacts to be effective through a relatively wide arc of pivotal movement of said pendulum, and key operated means for turning said gear in a direction to move said shaft downward to similarly move said ears downward with relation to said contacts to reduce the effective contact of said ears with said contacts to a relatively small arc of pivotal movement of said pendulum.

2,471,652
OPHTHALMIC PERIMETER COMPRISING AN ARTIFICIALLY ILLUMINATED CONCAVE SPHERICAL REFLECTOR
Hans Paprits, Berne, Switzerland, assignor to Haag-Streit Werkstatten fur Prazisionsmechanik, Berne-Liebefeld, Switzerland
Application September 29, 1945, Serial No. 619,354
In Switzerland October 14, 1944
1 Claim. (Cl. 88—20)



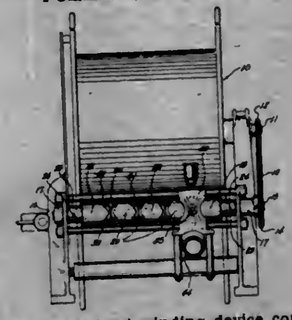
An ophthalmic perimeter comprising a stationary hemispherical bowl having a diffusely reflexing inner surface, means for projecting a test mark on any desired part of said inner surface, an electric lamp mounted inside said bowl near the rim of the bowl and outside the field of vision of the eye to be examined, a fixed reflector for said lamp reflecting the latter's light on the inner surface of said bowl to produce a uniform diffuse illumination of the entire remainder of the inner surface of the bowl, an adjustable screen for said lamp to vary the intensity of said diffuse illumination, a fixed comparison screen mounted outside of the bowl near the rim portion thereof at a short distance from the outer surface of said bowl opposite an aperture in said rim portion of the bowl, the inner surface of said comparison screen having the same albedo as the inner surface of said bowl and being adapted to receive light of controlled intensity from a source outside of said bowl whereby on manipulation of the adjustable screen the intensity of the diffuse illumination of the inner surface of the bowl can be reduced to the value of the illumination of the comparison screen.

2,471,653
PUMP OR THE LIKE
Albert O. Price, Leesville, Ohio, assignor of one-half to Vincent Palumbo, Cleveland Heights, Ohio
Application April 27, 1946, Serial No. 665,472
10 Claims. (Cl. 103—103)



1. A pump or the like comprising a casing having a substantially annular chamber therein and having an outlet formed in its periphery, a disc-like distributor head stationarily positioned centrally within said casing and having peripheral suction pockets, said distributor head having a chamber formed therein for receipt of fluid input and having ports leading from the chamber to said pockets, and a rotor journaled on said distributor head, said rotor carrying a plurality of substantially U-shaped blades that straddle said distributor head in immediate relationship to the periphery thereof.

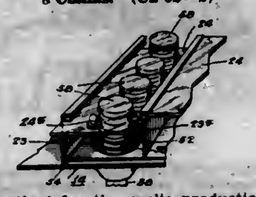
2,471,654
CAM FOR LEVEL WINDING DEVICES
Donald S. Reitz, Milwaukee, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 1, 1946, Serial No. 644,904
4 Claims. (Cl. 74—567)



1. A cam for a level winding device comprising a core shaft, a pair of identical end sleeves through which the core shaft non-rotatably extends, said end sleeves being spaced apart and having facing ends provided with helical shoulders arranged to form fragments of the sides of crossing level wind grooves, and a plurality of identical and interchangeable intermediate sleeves through which the core shaft non-rotatably extends mounted between the end sleeves, said intermediate sleeves each having both ends provided with helical shoulders which are complementary to the shoulders on the end sleeves, and said intermediate sleeves being assembled in

alternately reversed position with the helical shoulders on one sleeve spaced from the helical shoulders on an adjacent sleeve.

2,471,655
AUTOMATIC ICE MAKER
Theodore W. Rundell, Abington, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 28, 1943, Serial No. 515,958
8 Claims. (Cl. 62—2)



1. A method for the cyclic production of ice, which comprises supplying water to an ice-molding receptacle, freezing said water to form an ice mass, freeing the mass from the mold member automatically in response to the temperature of the mass and effecting positive movement of said mass to a position in which at least a portion thereof is displaced from the freezing zone of said receptacle, supplying additional water to the molding receptacle, freezing said additional water in contact with the mass previously frozen to effect a bond therewith, effecting controlled cyclic repetition of the aforesaid steps until a mass of a desired size has been formed, and then effecting automatic termination of the process by virtue of a restraining force created by the dimensional increase of said ice mass.

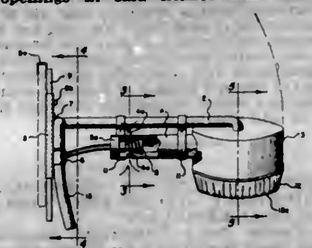
2,471,656
CIGARETTE ROLLER
Arthur F. Sas, Holland, Mich.
Application April 9, 1945, Serial No. 587,273
4 Claims. (Cl. 131—45)



1. In a construction as described, an elongated trough-like member open longitudinally at one side, a flexible apron secured to said member at a side of the opening thereto, said apron having a width approximating the length of said member, and a closure for the open side of said member and permanently secured to the inner side of the apron transversely thereof in position whereby said closure may be moved to a position in which it substantially closes said opening.

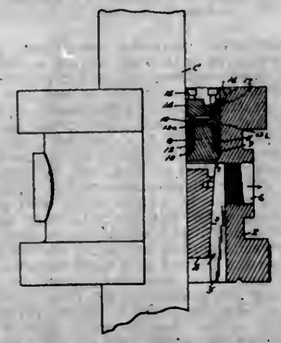
2,471,657
HAIR DRIER
John F. Saye, Powerdite, Mo.
Application May 31, 1947, Serial No. 751,523
3 Claims. (Cl. 34—99)

1. In a hair dryer of the class described, the combination of a helmet having openings therein near its lower edge, a casing surrounding said helmet in substantially air tight relationship communicating with said openings, a heater tube communicating with the interior of said casing, a heating element in said tube, openings in said tube surrounding said heating element arranged to admit air adjacent said heating element, a vacuum tube communicating with the upper middle portion of said helmet, a vacuum cleaner hose in connection with said vacuum tube for creating an air draft through said heater tube around said heating element into said casing through the openings in said helmet and outwardly



through said vacuum tube and vacuum cleaner hose, a helmet skirt in air tight relationship with the lower portion of said helmet extending downwardly therefrom and provided with a contracting band portion arranged to be fitted around a person's scalp adjacent the hair line thereof, said vacuum tube disposed on substantially a horizontal plane, bearing means for supporting said vacuum tube, a bracket to which said bearing means is connected and a hanger on which said bracket is vertically adjustably mounted, said hanger having a clip portion at its upper end adapted to be fitted over the upper edge of a door.

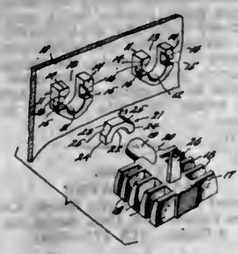
2,471,658
CASING LANDING HEAD
Donald U. Shaffer and Frank J. Schweitzer, Jr., Brea, Calif., assignors to Shaffer Tool Works, a corporation of California
Application June 24, 1946, Serial No. 678,907
4 Claims. (Cl. 285—22)



1. A casing head assembly including a tubular body, a crown ring slidably fitting and rigidly seated on the bore wall of the body, rubber-type packing bands mounted concentrically on the crown ring one to seal on the body wall and the

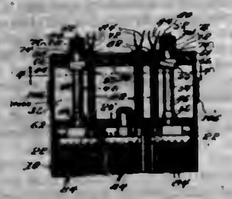
other on an interposed, central wall casing, a follower ring axially movable in the said body and concurrently engaging said bands, and a collar slidably fitted and locked in the bore of the body and having screws for jamming the follower onto the bands.

2,471,659
GRATE FASTENING
Harolde M. Simon, Utica, N. Y., assignor to Utica Radiator Corporation, Utica, N. Y., a corporation of New York
Application October 12, 1945, Serial No. 621,923
8 Claims. (Cl. 126—176)



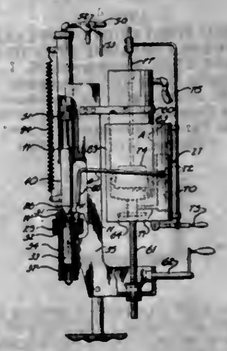
1. In combination with a grate bar, a support for said grate bar, said grate bar being insertable in the support in a reverse position and rotatable to its operative position, and retaining means movable longitudinally into and out of the support for releasably securing the grate bar to the support, said grate bar having stop means movable in the path of the retaining means when the grate bar is rotated to its operative position to prevent removal of the retaining means from the support.

2,471,660
STORAGE BATTERY WITH LEVEL INDICATOR
Stanley Stelmack, Philadelphia, Pa.
Application February 27, 1945, Serial No. 579,969
2 Claims. (Cl. 136—182)



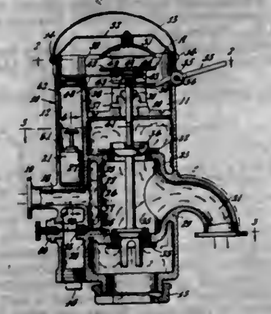
1. A storage battery comprising a multicell body having an upstanding rear wall portion, a flange formed integral with said wall and extending parallel to the top of said body, terminal posts for said body extending upwardly from the same and through said flange, insulating means positioned beneath said flange embedding said posts between said body and said flange and electrodes in said insulating means adapted to be connected to a remotely-located indicator to indicate the height of liquid in said cells.

2,471,661
APPARATUS FOR MOUNTING WORK IN A HOLDER
Edward E. Stevenson, Whittier, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Original application May 22, 1944, Serial No. 536,754. Divided and this application February 10, 1945, Serial No. 577,316
2 Claims. (Cl. 22—56)



1. Apparatus of the character described including, a stationary head to support a cup-shaped holder upright and centrally in the head, and centering means for engaging work and holding it centrally in the holder with its upper end above the top of the holder and with its lower end seated on the bottom of the holder to form a continuous annular space between the holder and work to hold molten material and including upper and lower centers for engaging the upper and lower ends of the work and shiftable relative to each other to clamp the work, the lower center being spring supported and the upper center being power operated.

2,471,662
LAVATORY FLUSH VALVE
Joseph Sweeney, Auburn, N. Y.
Application October 4, 1947, Serial No. 778,009
4 Claims. (Cl. 137—93)



1. A flush valve comprising a casing having an inlet port, an outlet port and a passageway there-

between, a valve seat in said passageway, a valve closure member normally resting on said seat and closing said passageway, means for moving said closure member from its seat to open said valve, vacuum means operative upon said movement for retaining said closure member from its seat and means operable by fluid passing through said passageway for breaking said vacuum to release said valve closure member to close said valve.

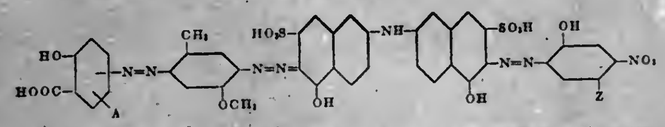
2,471,663
METHOD FOR PRODUCING CLADDED METAL COOKING UTENSILS
Herbert David Tietz, Maplewood, N. J., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application December 29, 1944, Serial No. 570,228
In Canada November 12, 1944
3 Claims. (Cl. 29—148.2)



1. A method for producing a cooking utensil of cladded metal possessing a high degree of corrosion resistance on an exposed surface and a high degree of heat conductivity in a direction parallel to the plane of said surface, which comprises the steps of producing blanks suitably contoured to produce the finished utensil from sheets of nickel-chromium alloy, separately producing similarly contoured blanks from sheets of copper, cleaning and nickel plating one face of said nickel-chromium alloy blanks, arranging one of said copper blanks interfacially, engaging the plated face of one of said nickel-chromium alloy blanks, bonding said assembled contoured blanks together to provide a contoured composite blank by subjecting the assembled blanks to a temperature of from 1700° F. to about 1975° F. in a reducing atmosphere and under pressure and thereafter forming said cooking utensil from said composite contoured blank thereby to substantially eliminate the production of composite metal scrap.

2,471,664
TRISAZO DYES
Walter Wehrli and Fritz Kehrer, Basel, Switzerland, assignors to Sandoz Ltd., Fribourg, Switzerland, a Swiss firm
No Drawing. Application May 4, 1945, Serial No. 592,064. In Switzerland May 17, 1944
3 Claims. (Cl. 260—173)

1. The dyestuffs of the general formula



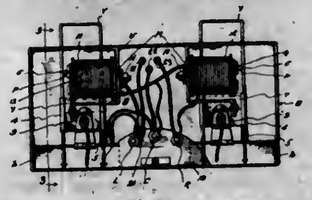
wherein Z stands for a member selected from the group consisting of hydrogen, alkyl and halogen and A stands for a member selected from the group consisting of hydrogen and alkyl, which dyestuffs dye cellulosic fibres in blue shades, which, when after-coppered, become improved in their fastnesses to light and wet treatments.

2,471,665
CAM ACTION UNIVERSAL JOINT
Villor P. Williams, Chicago, Ill.
Application June 18, 1945, Serial No. 600,163
3 Claims. (Cl. 64—7)



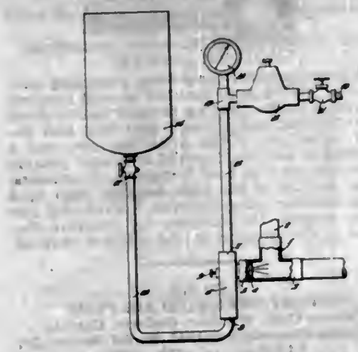
3. A universal joint comprising a male member having a head and arcuate keys pivotally mounted on the head, a female member having diametrically opposed slots extending to one end thereof and a shoulder located beyond the inner ends of the slots, said male member being seated in the female member with the keys thereof in said slots, and a shroud fitted over said members and having flanges at both ends, the flange at one end overlapping the head of the male member and the flange at the other end overlapping said shoulder to retain the male member in the female member.

2,471,666
ANNUNCIATOR
Fremont E. Wood, Long Beach, Calif.
Application February 9, 1945, Serial No. 577,694
1 Claim. (Cl. 177—329)



A motor condition indicator comprising a case having a front wall formed with an opening, a bracket mounted against the inner surface of the front wall and projecting therefrom inwardly of the case below the opening, a yoke having arms extending vertically through the bracket and the top wall of the casing and slidable vertically therethrough, a sign carried by the arms of said yoke back of the opening in the front wall of the casing and bearing legends disposed one above the other and individually displayed through the opening by vertical shifting movement of the yoke, a spring about one arm of said yoke having its lower end resting upon the bracket and its upper end abutting the sign and being normally expanded to display the lower one of the legends through the opening, the other arm of the yoke being formed with a notch, U-shaped bracket disposed in the upper portion of the case and having an upper arm secured to the top wall of the case and a lower arm provided with a depending lip, an electro-magnet disposed horizontally and secured at one end to the U-shaped bracket between the arms thereof, a resilient armature for said magnet carried by a depending resilient plate having its lower end secured to the lip of the bracket and normally holding the armature spaced from the magnet, and a pawl carried by the armature and projecting therefrom and normally engaged in the notch of the yoke to hold the yoke depressed and the upper legend displayed through the opening in the case, the pawl being withdrawn from the notch to permit upward movement of the yoke and the sign by action of said spring when the magnet is energized.

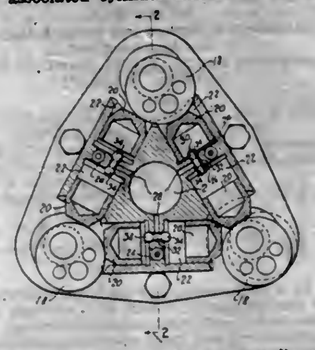
2,471,667
METHOD FOR DRY CLEANING
Carl S. Arnold, Cullman, Ala., assignor to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
Application August 21, 1945, Serial No. 611,858
1 Claim. (Cl. 259—4)



A method of dispersing moisture in a dry cleaning solvent which comprises establishing turbulence at a local area in a confined moving stream of solvent, and projecting atomized particles of water, by means of an air blast directed into the moving stream of solvent at said local area of turbulence and in the direction of flow of said stream.

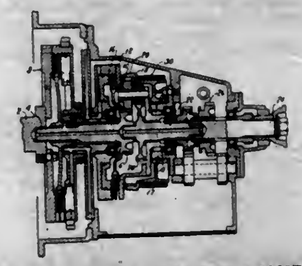
2,471,668
TRANSMISSION
Malvern S. Baker, Muskegon, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application August 30, 1946, Serial No. 693,938
4 Claims. (Cl. 74—774)

4. In a planetary transmission, an input shaft and an output shaft, a sun gear mounted on each shaft, a planet gear carrier supported for rotation in one direction about the axes of said shafts, spindles rotatably supported by said carrier, planet gears meshing with said sun gears and secured to said spindles, a cam secured to each of said spindles, said carrier structure provided with opposed axially aligned cylinders disposed intermediate a pair of adjacent cams, pistons operable in each of said cylinders, means for supplying fluid under pressure to said cylinders to urge said pistons outwardly of said opposed cylinders into engagement with said cams but supplying fluid to only one cylinder at a time, said planet gears operable to rotate about their own axes and to drivingly rotate said cams relative to said carrier when the ratio of input speed to output speed is other than unity, a passage communicating the opposed cylinders with each other, and adjustable valve means in said passage and operable to variably restrict flow of fluid through said passage from one cylinder to the other to vary the ratio of input speed to output speed of said shafts, one of said adjacent cams constructed and arranged to move the piston coacting therewith inwardly of the cylinder, while said adjacent cam coacting with the piston operable in the other associated cylinder allows for movement



of said last mentioned piston outwardly of the cylinder at the same speed as the first piston, said cylinders arranged generally triangularly and symmetrically about the axes of said input and output shafts, each of said cams being rotatable about axes extending normal to the plane containing all said cylinder axes, the center of rotation of said cams disposed at the apices of the triangle formed by the axes of said cylinders.

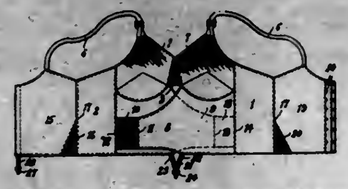
2,471,669
POWER-TRANSMITTING DEVICE
Malvern S. Baker, North Muskegon, Mich., assignor to Continental Motors Corporation, Muskegon, Mich., a corporation of Virginia
Application September 28, 1946, Serial No. 700,097
2 Claims. (Cl. 74—765)



1. In combination, a power gear, a second gear meshing with the power gear, rotatable mounting means for the second gear whereby the second gear may rotate about its own axis and the axis of the second gear may rotate about the power gear, a hub integral with the mounting means, a stationary flange surrounding the hub, a one-way brake disposed between the hub and the flange and arranged to hold the mounting means against rotation in a direction opposite to the direction of rotation of the power gear, a third gear meshing with the second gear and rotatable

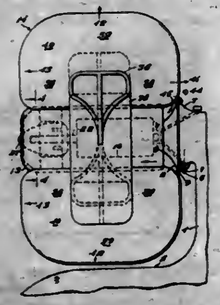
on the stationary flange, means to hold the third gear against rotation, an output shaft rotatable inside the aforesaid hub, gears connecting the aforesaid second gear with the output shaft, and means operable to lock the mounting means to said power gear to rotate the whole as a unit.

2,471,670
BRASSIÈRE
Abraham S. Becker and Victor I. Becker, Los Angeles, Calif.
Application August 11, 1947, Serial No. 767,958
2 Claims. (Cl. 2—42)



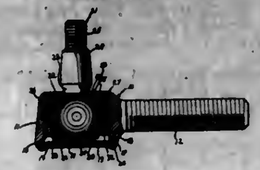
1. In a garment of the character described, a body portion having a pair of bust cups, a flap located below each bust cup and extending laterally therefrom, said flaps extending oppositely to one another and lying in overlapped relation over the diaphragm of the wearer, each of said flaps having a tapered end, each of the tapered ends being attached to one end of a relatively wide elastic insert, the opposite end of the elastic insert being permanently secured in a vertical seam of the garment and above the lower edge of the garment, the tapered end of the innermost of the flaps and the elastic insert secured to the same being disposed behind and concealed by the outermost one of the flaps.

2,471,671
AIR CIRCULATING FAN
John H. Beckert, Los Angeles, Calif.
Application September 30, 1946, Serial No. 700,366
7 Claims. (Cl. 230—259)



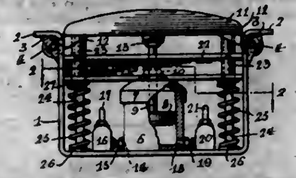
1. In an air circulating fan, a motor through which air may be circulated in an axial direction; an impeller having a hub sleeve open at one end and surrounding said motor and having a plurality of fan blades thereon shaped to deliver air both radially and axially; and a support for said motor and impeller including a head portion providing an annular barrier disposed adjacent the open end of said sleeve and extending radially beyond the open end of said sleeve and in the path of air currents discharged axially from said impeller adapted to deflect some of said air currents inwardly into said hub sleeve.

2,471,672
JOINT ASSEMBLY
James H. Booth, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 22, 1945, Serial No. 623,739
7 Claims. (Cl. 287—85)



1. A joint assembly comprising a housing having a side wall, a joint member in said housing, a resiliently backed bearing member tightly fitted in said housing against said side wall and engaging a portion of the joint member, and a rigid bearing member disposed in spaced relation to said side wall in said housing and engaging another portion of the joint member, said rigid bearing member being shiftable toward said side wall to engage the housing for limiting the amount of deformation of the resilient backing.

2,471,673
WEIGHT-OPERATED AIR PUMP
Charles Coté, Windsor, Ontario, Canada
Application December 3, 1945, Serial No. 632,527
4 Claims. (Cl. 230—216)



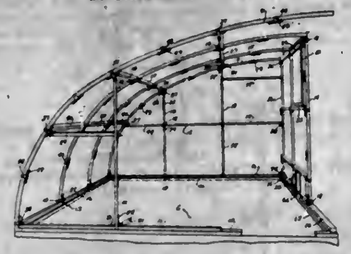
1. A weight-operated pump comprising a frame adapted to be embedded in a pavement, a dome slidably mounted in said frame and normally extending beyond the top of said frame, braces mounted in said frame, guide sleeves carried by said dome and passing slidably through said braces, guide rods fixed to the bottom of said frame and having their free ends slidably received in said sleeves, whereby to provide bearing surfaces for said rods rigid with an in close proximity to said dome, a cylinder mounted in said frame beneath said dome, a piston in said cylinder, a piston rod extending from said piston and connected to said dome, and valve-controlled inlet and outlet means associated with said cylinder.

2,471,674
ELECTRICAL HEATING UNIT
Alfred Cote, Montreal, Quebec, Canada
Application June 6, 1946, Serial No. 675,340
6 Claims. (Cl. 219—38)

1. An electrical heating unit comprising a pair of horizontally spaced water headers, a horizontal cross pipe connecting said headers, an insulated tube mounted spacedly in said pipe and having apertures through its wall, an electric heating element in said tube, and contact means mounted in said headers and engaging the ends of said element.

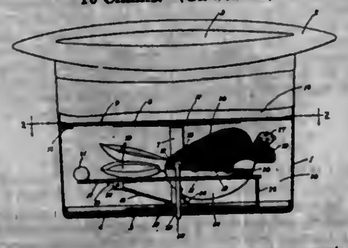


2,471,675
POULTRY HOUSE
Peter De Jongh, Arlington, N. J., assignor to Lou R. Crandall, New York, N. Y.
Application August 28, 1944, Serial No. 551,473
15 Claims. (Cl. 189—1)



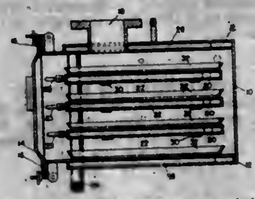
1. A poultry house comprising a front wall structure and end wall structures and a roof curving downwardly from the top of the front wall structure to the floor, studding members for said wall structures in the form of metal tube lengths, connector fittings on the studding elements and wooden spacer members extending between the studding members and secured thereto by said connector fittings, floor engaging sill boards on which the studding members rest, spacer strips secured to said sill boards between the lower end portions of the studding members, and connector fittings on the lower ends of the studding members secured to said spacing strips.

2,471,676
HAT TRICK TOY
Edward Loyd Enochs, Modesto, Calif.
Application June 1, 1948, Serial No. 30,224
10 Claims. (Cl. 272—8)



10. A trick comprising, as a toy, a container formed to represent a top-hat, a facsimile rabbit's head normally disposed in the container below the upper end thereof, means in the container supporting the facsimile rabbit's head and tending to raise the same upwardly to a position projecting out of the top of the container, holding means releasable from outside the container operative to normally prevent actuation of said first named means, and a yieldable closure member arranged in connection with the container in a manner to normally close the same above said facsimile rabbit's head and said means whereby to normally conceal the same.

2,471,677
PROCESS OF DESICCATING ORANGE JUICE INVOLVING FREEZE DRYING
Earl W. Flosdorf, Forest Grove, Pa., assignor to Lyophile-Cryochem Corporation, Baltimore, Md., a corporation of Maryland
Application July 20, 1946, Serial No. 685,019
1 Claim. (Cl. 99—206)



The process of desiccating orange juice which comprises concentrating a proportion of the juice in the liquid state, admixing the resulting concentrated product with a proportion of fresh, unconcentrated juice equal in volume to from about 10% to about 50% of the original volume of the concentrated juice, freezing the resulting admixture and removing water from the frozen product by the use of a high vacuum.

2,471,678
PROCESS OF DESICCATING LEMON AND LIME JUICES
Earl W. Flosdorf, Forest Grove, Pa., assignor to Lyophile-Cryochem Corporation, Baltimore, Md., a corporation of Maryland
No Drawing. Application August 2, 1947, Serial No. 765,805
3 Claims. (Cl. 99—206)

1. In the desiccation of lemon and lime juices by sublimation of water therefrom from the frozen state, the step of adding to the juice before freezing at least about 10%, based on the juice, of a sugar, to prevent the desiccated juice from darkening on storage.

2,471,679
OIL SEAL
Allen F. Gardner, Birmingham, Mich., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 14, 1945, Serial No. 593,701
4 Claims. (Cl. 288—3)

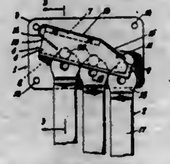
1. A seal adapted for coaction with a pair of relatively movable parts comprising a flexible sealing member adapted to be secured to one of said parts and having an annular sealing portion radially engageable with the other, an annular thrust member disposed concentrically of said sealing member, said members having adjacent, annular, generally frusto-conical surfaces en-

gageable in the operation of the seal and at least one thereof being fabricated of a resilient material susceptible of swelling in section when subjected to certain fluids in operation to impart radial sealing thrust through said surfaces, and means supporting said members in operative re-



lation including means rigidly confining said last named one of said members axially at a zone thereof adjacent and axially aligned with its frusto-conical surface, to thereby restrain swelling thereof in a direction laterally of the thrust direction.

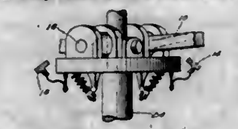
2,471,680
TOOTHBRUSH HANDLE
George A. Gibson, Jr., New York, N. Y.
Original application June 10, 1944, Serial No. 539,767. Divided and this application November 17, 1945, Serial No. 629,299
1 Claim. (Cl. 15—143)



A handle for a toothbrush which is adapted to be suspended next to another brush of the same kind from a trackway, having a longitudinally extending shaft to carry the brush at one end, said shaft at the other end having a flattened head enlarged along the greatest lateral dimension of the shaft and oppositely disposed projections on said enlarged head substantially perpendicular to the broader surfaces thereof adapted to be seated on said trackway whereby the toothbrush will be in spaced relation with respect to adjacent brushes on the trackway.

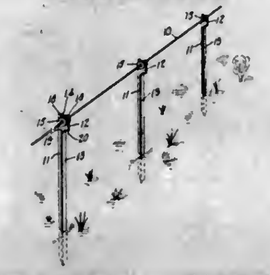
2,471,681
STOP FOR HELICOPTER BLADES
Michael E. Gluhareff, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 24, 1944, Serial No. 546,299
4 Claims. (Cl. 170—160.55)

1. A helicopter rotor comprising, a drive shaft, a hub mounted on said shaft having an outstanding blade support, a rotor blade pivotally mounted on said hub for flapping movement and engageable with said support for limiting the downward flapping movement of said blade, and means operative below a predetermined speed of rotation of said blade for limiting the downward flapping movement of said blade in its movement toward said support including a stop supporting member pivoted to said support, a resilient arm carried by said member having a blade stop at its free end, and spring means constantly biasing said member in a direction to swing said stop into an operative position be-



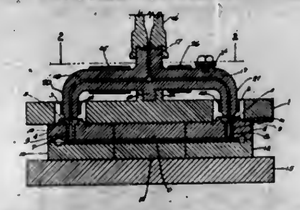
tween said support and said blade in which said stop is moved by said blade into abutting engagement with said blade support as said blade flaps downwardly towards the latter.

2,471,682
ELECTRIC FENCE POST
Benjamin Grob, Grafton, Wis.
Application August 31, 1946, Serial No. 694,308
1 Claim. (Cl. 256—48)



An electric fence post comprising an elongated metal strip transversely cut adjacent one end thereof to form a head portion separated from an adjacent edge portion of said strip, said edge portion being bent out of the plane of said head portion to form a longitudinally extended reinforcing flange for said strip, said head portion having an opening therein to receive and support a wire-supporting block of insulating material.

2,471,683
MULTIPLE NOZZLE MECHANISM FOR INJECTION MOLDING MACHINES
Ernest W. Halbach, Andover, Mass., assignor to The Bolta Company, Lawrence, Mass., a corporation of Massachusetts
Application September 6, 1945, Serial No. 614,677
6 Claims. (Cl. 18—30)



1. Moulding mechanism for injection moulding machines comprising a stationary die-supporting plate having symmetrically spaced nozzle-receiving apertures equally spaced from a center thereof, a plurality of mould sections secured to said

die-supporting plate having raised flat surfaces registering with said apertures and having cavities and provided with sprue holes extending centrally from said flat surfaces communicating with the respective cavities, a complementary relatively movable die-supporting member having a plurality of mould sections provided with cavities complementary to the cavities of said stationary mould sections, means for simultaneously conducting molten material to said mould cavities comprising a hub pivotally mounted on said stationary die-supporting plate at said center having an axial conduit therein and integral radial branches having conduits therein extending from said hub and provided with curved end portions forming nozzles passing through the apertures in said die-supporting plate engaging the flat surfaces of the moulds and registering with the sprue holes therein, and means for rotating said hub and the branches thereof about the pivot sufficiently to position the nozzle out of registry with the respective sprue holes thereby to cut off the supply of material to said moulds without wastage and electric heating means surrounding the respective branches for maintaining the fluidity of the material therein when the nozzles are not in registry with the sprue holes.

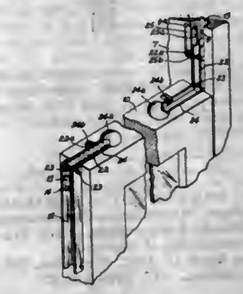
2,471,684
MACHINIST'S GAUGE
James E. Hastings, Athol, Mass., assignor to The L. S. Starrett Company, Athol, Mass., a corporation of Massachusetts
Application September 30, 1946, Serial No. 700,305
2 Claims. (Cl. 33—162)



1. A gauge, comprising a base the upper face of which is formed to present an inclined slideway having a T-slot extending substantially from end to end thereof, the side walls of the leg portion of said T-slot being inclined upwardly and outwardly with respect to the head portion of said T-slot and having convexly rounded surfaces, a superposed gauge head slidable along said slideway and having on its under face a longitudinal groove with parallel side walls registering with said T-slot, a key having side walls which at their upper ends are parallel and closely fit the parallel side walls of said groove and below said parallel sides are inclined downwardly and inwardly for line contact with the convexly rounded surfaces of the upwardly and outwardly inclined side walls of the head portion of said T-slot, and means for clamping said gauge head in adjusted positions along said slideway.

2,471,685
WINDOW FRAME AND DOUBLE SASH UNIT
Prentice M. Henderson and Louis H. Gatter, St. Louis, Mo.
Application March 12, 1945, Serial No. 582,192
1 Claim. (Cl. 20—49)

In a window frame and sash unit of the kind described and including a sill having its inner ledge raised above the outer ledge, and there being spaced side rails extended vertically at the ends of the sill in transverse, parallel alignment and formed with guide channels longitudinally extended along their inner sides, and including a window sash slidably mounted within the frame with the lateral edges of the sash aligned over the guide channels of the side rails, and including brace strips slidably mounted within the guide channels of the side rails and of the approximate length of the sash, and there being pivotal connections between the lower ends of the brace strips at each side and the side rails of the sash, whereon the sash may be tilted inwardly, latches hinged to the upper ends of the brace strips and arranged to turn down into sockets as formed in the upper horizontal faces of the upper cross rail of the sash for locking the sash to its normal, vertical and operative position in the frame, the said latches however being adapted to turn

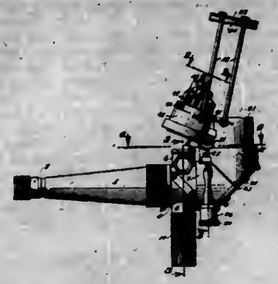


upwardly from the sash and vertically into the guide channels of the side rails of the frame, and being provided with laterally extended studs, there being recesses formed and extended laterally at one side of the guide channels of the side rails, elongated metal housings mounted within said recesses, the same being closed on all sides except the sides facing and opening into the guide channels of the side rails of the frame, and except for inwardly opening cut-outs for receiving the said laterally extended studs of the latches as mounted on the sash with the latter in lowered position in the frame, whereby the studs may enter into the housing as the latches are raised, and the sashes then be turned down horizontally inward over the raised inner ledge of the sill, the length of the housing permitting the lower end of the sash to travel upwardly relative thereto for flatly positioning the sash across the sill.

2,471,686
CELESTIAL NAVIGATION INSTRUMENT
Walter F. Hiltner, Pasadena, Calif.
Application September 24, 1945, Serial No. 618,232
4 Claims. (Cl. 88—2.7)

4. A celestial navigational instrument comprising a mount element, a group of at least three light receiving elements carried by said mount element in such a predetermined relationship to each other that upon orientation of such group and said mount into a predetermined relation to all the stars, light from every particular selected star corresponding to each of said light receiving elements is directed by its respective element in a predetermined direction relative to a single preselected axis, means supporting said mount for rotation about said axis, means supporting

said first supporting means for rotation about a second axis perpendicular to said first axis, a zenith indicator secured to said second supporting means with its zenith axis perpendicular to said second axis, and means operable to indicate



the angular position of said mount about said first axis relative to said first supporting means and the angular position of said first supporting means about said second axis relative to said second supporting means.

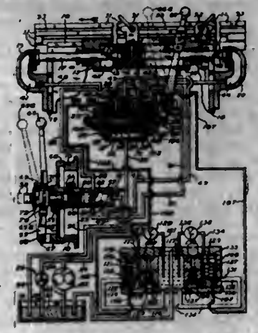
2,471,687
DYNAMIC DAMPER COUNTERBALANCE
Gifford I. Holmes, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 11, 1945, Serial No. 587,720
11 Claims. (Cl. 170—160.57)



1. In a helicopter, a drive shaft, a rotor hub turned by said shaft, a blade pivotally mounted on said hub for vertical movement having a shank portion, and means for counterbalancing and damping the vibrations of said blade comprising a counterweight support pivotally mounted on said shank portion on the opposite side of said shaft from said blade, and a counterweight pivotally mounted on said support, the pivotal axes of said support and said counterweight being angularly related to each other, whereby said support and said counterweight move in angularly related planes.

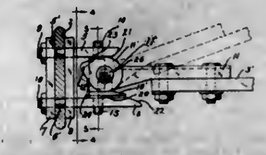
2,471,688
HYDRAULIC TABLE RECIPROCATING MECHANISM
Donald H. Holmes, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application June 13, 1945, Serial No. 599,184
5 Claims. (Cl. 121—45)

1. In a hydraulically operated table reciprocating mechanism, a longitudinally reciprocable table, a piston and cylinder therefor, a source of fluid under pressure, a piston type reversing valve comprising a slidably mounted valve member having a pair of spaced valve pistons thereon, a reversing valve slidably supported on said member having a plurality of spaced integrally formed pistons, a valve chamber formed at each end of the reversing valve between the reversing valve and said spaced pistons respectively, table actuated means to shift the valve member and the reversing valve to shift the reversing valve to a central position so as to cut off exhaust of fluid from the table cylinder, means to admit fluid under pressure to one of said valve chambers to



shift the reversing valve into a reverse position, and means to provide a predetermined back pressure in the other valve chamber to prevent the shifting of the reversing valve into a reverse position for a predetermined but adjustable period of dwell during reversal of the table.

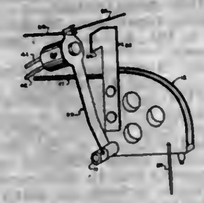
2,471,689
TRAILER COUPLING
Thomas Hotchkiss, Sr., St. Louis, Mo.
Application September 27, 1946, Serial No. 699,836
9 Claims. (Cl. 280—33.15)



1. A trailer coupling comprising a pair of horizontally disposed and vertically spaced members securable to a towing vehicle; a member securable to a trailer; a pin supported in said members and rotatable on a vertical axis; a table formed on said pin; forked means on said member adapted to rest on said table and operatively associated with said pin; and a second pin extending through said first mentioned pin and said means, said second pin freely movable when the vehicle is at rest.

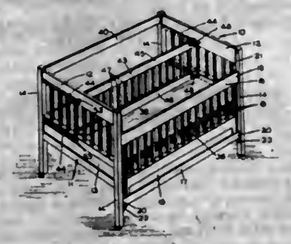
2,471,690
AUXILIARY THROTTLE VALVE CONTROL
Paul L. Howland, Wichita, Kans.
Application July 14, 1947, Serial No. 760,913
8 Claims. (Cl. 192—.058)

1. In an automotive vehicle provided with a carburetor throttle valve, a control shaft therefor, an accelerator, and operating linkage between the accelerator and shaft, an auxiliary control for the shaft comprising: a radially projecting arm rigidly affixed to said shaft to move in unison therewith; an electro-magnet; and means supporting said electro-magnet in the path of travel of said arm, whereby when the accelerator is depressed sufficiently the arm is moved into contact with the electro-magnet, and the arm, shaft and consequently the valve are prevented by the



electro-magnet from returning to their respective engine idling positions when foot pressure on the accelerator is released.

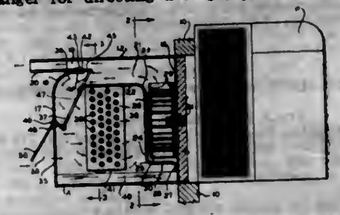
2,471,691
CHILD'S CRIB HAVING A MOVABLE PARTITION
Francis M. Hurst, Sumter, S. C.
Application September 16, 1947, Serial No. 774,234
5 Claims. (Cl. 5—100)



3. In a child's crib, upstanding head and foot ends, each end including a top and bottom rail, each rail having a longitudinal slot formed therein, a vertically adjustable side for the crib connected with the ends, a top rail at the opposite side of the crib connected with the ends, a bottom rail disposed beneath the second named top rail and connected to the ends, and a laterally adjustable side for the crib and including parts to slide in the slots, such side being adapted to enter between the second named top and bottom rails when in the outermost position.

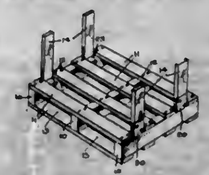
2,471,692
MEANS FOR PREVENTING FROSTING OF EVAPORATOR HEAT EXCHANGERS
Frederick M. Jones, Minneapolis, Minn., assignor, by mesne assignments, to U. S. Thermo Control Co., Minneapolis, Minn., a corporation of Minnesota
Application January 2, 1943, Serial No. 471,208
7 Claims. (Cl. 62—129)

1. In combination with a room to be air-conditioned, a casing in said room enclosing a chamber, an evaporator heat exchanger in the casing, an opening in the front of the casing for admitting air from the room into the chamber, means for varying the area of the inlet opening, an outlet passageway permitting air to be forced from the chamber into the room, means for varying the cross-sectional area of the outlet passageway, a blower for causing air to move through the evaporator heat exchanger and to and through the outlet passageway, and a second passageway connected with and of greater cross-sectional area than the outlet passageway connected with the part of the chamber in front of the heat exchanger for directing a larger part of the air



moved by the blower to cause it to pass back to the front of the evaporator heat exchanger and to be recirculated therethrough and through the blower for greatly increasing the volume of air passing through the evaporator heat exchanger relative to the volume of air delivered to the room.

2,471,693
PALLET CONSTRUCTION
Jacob Lilienfeld, Philadelphia, Pa., assignor to Lit Brothers, Philadelphia, Pa., a corporation of Pennsylvania
Application September 10, 1947, Serial No. 773,138
2 Claims. (Cl. 248—120)



1. A pallet comprising spaced parallel cleats, spaced parallel cross boards connecting said cleats and collapsible supporting members hingedly mounted on opposite sides of the pallet upon the end cleats thereof in the space between cross boards and adapted alternatively to lie in the horizontal plane of said cross boards in the spaces therebetween or to extend upwardly therefrom.

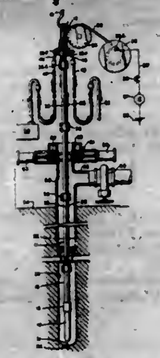
2,471,694
ADJUSTABLE METALLIC WRIST BAND
Benjamin Maestri, Chicago, Ill.
Application February 15, 1946, Serial No. 647,760
7 Claims. (Cl. 24—206)



1. A two-part separable metallic wrist band comprising one part having the opposite margins of a portion of its length downwardly and inturned forming flanges, a cover overlying said flanges to form a hood, one end of said cover being inturned and hooked underneath said flanges at one end of said portion with the other end of said cover free, said cover being capable of slight movement about said one cover end as a hinge towards and away from said flanges, said

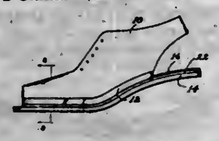
cover having detent means inwardly of its free end, said other part having a portion enterable in said hood and under said flanges, said other part portion having a series of recess means for selective engagement with said detent means to lock said two parts together in adjusted relation, and said parts being disconnected by lifting the free end of said cover.

2,471,695
METHOD OF AND APPARATUS FOR FORMING WELLS
Ira J. McCullough, Pioche, Nev.
Application December 27, 1946, Serial No. 718,864
5 Claims. (Cl. 219—15)



1. In a means for forming a hole in the ground, the combination of: an electrode; conductor means connected to said electrode; a source of electric power; means for connecting said source of power to the ground and to said conductor means; means for supporting said electrode and forming a channel to receive said conductor means, said supporting means having therein a passage for a cooling medium; means for moving said supporting means; and means connected to said passage for delivering thereto a cooling medium.

2,471,696
METHOD FOR MACHINELESS MANUFACTURE OF SHOES
Leo Milchen, Los Angeles, Calif.
Application September 13, 1946, Serial No. 696,636
1 Claim. (Cl. 12—142)



A method of manufacturing shoes comprising preliminarily fastening a mud-guard to the shoe upper with the edges of the mud-guard projecting beyond the edges of the upper, then stitching an insole to the combined mud-guard and upper with the edges of the insole and the edges of the upper in alignment, assembling a shank tuck to an out-sole and then applying the assembled shank tuck and out-sole to the mud-guard, while all the parts are positioned upon a last, the edges of the mud-guard and out-sole being in alignment.

2,471,697
PROCESS FOR REDUCING CARBONYL COMPOUNDS TO THEIR CORRESPONDING METHYLENE ANALOGUES
Huang Minlon, Cambridge, Mass., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application November 8, 1946, Serial No. 708,815
12 Claims. (Cl. 260—397.1)

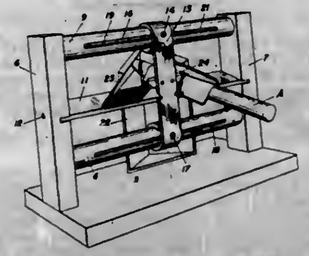
1. The process of reducing a carbonyl compound selected from the class which consists of aldehydes and ketones to the corresponding methylene analog, which comprises reacting said carbonyl compound with an aqueous solution containing hydrazine hydrate, an alkali metal hydroxide, and a high-boiling solvent, evaporating low-boiling components from the reaction solution until the boiling point of said solution reaches an elevated temperature of at least about 170° C., and heating the resulting solution at said elevated temperature.

2,471,698
BUTTON-MAKING TUBULAR-SAW HOLDER AND EXPELLER
Rufus N. Palmer, Pittsburgh, Pa., assignor to American Pearl Button Co., Washington, Iowa, a corporation of Iowa
Application August 14, 1944, Serial No. 549,387
17 Claims. (Cl. 79—16)



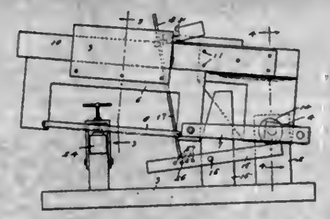
5. In a button cutting machine, a frame, a tubular spindle journaled therein, a tubular saw carried by one end of said spindle, a sleeve screw threadedly carried by said frame and having a concave seat, a thrust connection with the other end of said spindle including a thrust element having a convex surface against said seat, said sleeve being threaded relative to said frame to take up developed end play, and a blank expeller rod through said spindle and sleeve.

2,471,699
DEVICE TO FORM TEETH IN THE EDGE OF A KNIFE
Louis Pavesi and Francis F. Rodoni, San Francisco, Calif.
Application February 5, 1947, Serial No. 726,708
4 Claims. (Cl. 76—89.1)



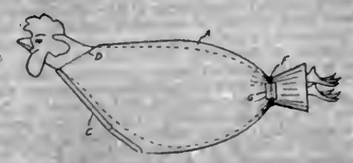
1. In a device for cutting teeth along the edge of a knife-blade, an elongated cutter having oppositely diverging cutting ridges extending from a medial line toward the opposite ends of said cutter, knife positioning means mounted adjacent said cutter, and a gauge mounted parallel to the cutting ridges of said cutter whereby a knife in said positioner and abutting said gauge may be moved over said cutting ridges to form teeth therein.

2,471,700
BLADE LIFTING DEVICE FOR POWER HACK SAWS
Theodore A. Podhajsky, Traer, Iowa
Application June 7, 1945, Serial No. 598,076
1 Claim. (Cl. 29—73)



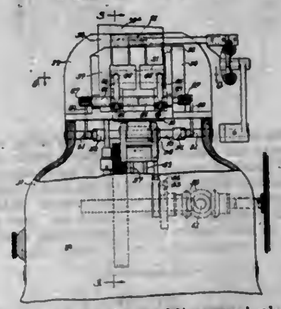
In a blade lifting device for power hack saws, a base, a horizontal drive shaft, mounted on the base, a horizontal lifting arm pivoted to the base, said arm provided in one end with a series of transverse openings, a cam carried by said drive shaft and working against the opposite end of the lifting arm, said cam adapted to depress said last mentioned end of the lifting arm once during each revolution of the drive shaft, a reciprocating saw frame, a saw mounted in said saw frame, a yoke pivotally supported on the drive shaft and carrying said saw frame, a cross head secured to the saw frame, a guide bar carried by the oscillating yoke for the cross head, a supporting arm extending from the top of the yoke, a dog pivoted intermediate its ends to said supporting arm, said dog comprising an apertured shank formed at one end with a weighted head, a vertically disposed inclined rod adjustably connected at its lower end to the apertured end of the lifting arm and arranged with its upper end working through the apertured shank of the dog, said inclined rod and dog co-acting to lift the blade off the work when the second mentioned end of the lifting arm is depressed by the cam during the return stroke of the saw.

2,471,701
POULTRY BAG
Durrel E. Post, Gates Mills, Ohio
Application April 12, 1946, Serial No. 661,642
1 Claim. (Cl. 229—53)



As a new article of manufacture, a poultry bag comprising a bag of generally oblong form and open at one end, the opposite end of the bag having two converging edge portions of different length, the edge portion of shorter length being open to provide a small head opening through which the head of a fowl, inserted head-first into the bag through the open end thereof, may pass, the edge portion of longer length being closed and shaped to fit the breast of a fowl whose body is received in the bag with its head extending through the head opening, and a tie member permanently attached to the bag adjacent to the open end to wrap about and clamp the open end portion of the bag about the legs of a fowl so that the latter is held with its breast against the closed edge portion and its head protruding through said head opening.

2,471,702
MOLDING AND PACKAGING MACHINERY
Earl J. Rapp and Harold R. Coon, Sr., Toledo, Ohio, assignors to Lynch Corporation, a corporation of Indiana
Application January 25, 1946, Serial No. 643,244
4 Claims. (Cl. 31—8)

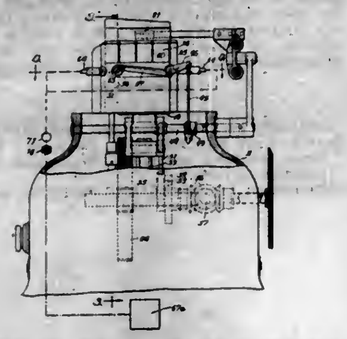


1. In a machine for molding semi-plastic materials into prints, means for advancing material under pressure, a box-like open-ended mold casing, a front plate which with the mold casing forms a mold cavity for containing a predetermined amount of said material, said mold case being movable for recurrent disposal in the path of said advancing means to receive said material, a plurality of valve ports near the sides of said mold cavity in said front plate, a plurality of valves for opening and closing said ports, valve seats on said front plate for said valves, means for moving said mold casing between said material receiving position and a second position wherein prints can be ejected from said mold casing, said advancing means being rendered ineffective during movement of the mold casing and being rendered effective when said mold casing is returned to its material receiving position, a rotatable shaft for actuating said valves, means for rotating said shaft, means for controlling said shaft rotating means to coordinate said shaft rotation with said mold movement so that said valves will be open when said mold is in a material receiving position for thereby venting said mold, and a ram for discharging a print from said mold casing when said casing is in said second position.

2,471,703
MOLDING AND PACKAGING MACHINERY
Earl J. Rapp and Harold R. Coon, Sr., Toledo, Ohio, assignors to Lynch Corporation, a corporation of Indiana
Application January 31, 1946, Serial No. 644,625
9 Claims. (Cl. 31—8)

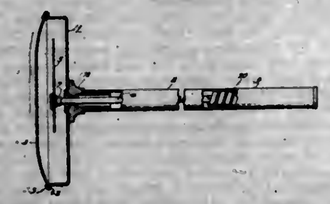
1. In a machine for molding semi-plastic materials into prints including a source of vacuum,

which machine includes an open ended mold movable to molding and ejecting positions for containing the material under pressure in the molding position, a front plate for closing said mold in the molding position, and a port in said front plate to vent air from the mold in the molding position; a rotary valve adapted to open and close



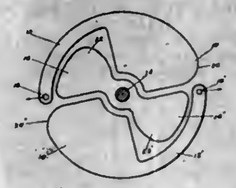
said plate port, said front plate including a valve seat, means for rotating said rotary valve on said seat, said rotary valve having a port adapted to communicate with said port in the front plate and having another port to communicate with said source of vacuum to remove said air, and a passageway in the rotary valve for placing said valve ports in communication with each other.

2,471,704
INDICATING GAUGE
Alexander D. Rose, Park Ridge, and Bernhard Willach, Chicago, Ill., assignors to Jas. P. Marsh Corporation, Chicago, Ill., a corporation of Illinois
Application October 1, 1945, Serial No. 619,474
1 Claim. (Cl. 73—367)



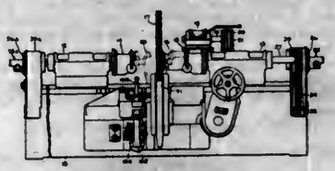
In an indicating gauge, a dial, bezel, indicator, and transparent cover construction comprising an integral cupped housing of material of uniform thickness having dial indicia on the inside of its rear wall, a pointer co-operating with said dial, said rear wall having an opening therethrough, a bushing secured to said rear wall having an opening in alignment with the opening in the wall, a shaft extending through said bushing in which said pointer is mounted, said cupped housing having an annular peripheral shoulder integral therewith, extending outwardly from the radial outermost portion of the cupped portion, and a transparent cover seated on said peripheral shoulder, said shoulder having its peripheral edge flanged over the edge of said transparent cover to hold it in place on said shoulder.

2,471,705
VARIABLE REACTOR
Otto H. Schmitt, Minoola, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application August 13, 1946, Serial No. 690,809
6 Claims. (Cl. 250—40)



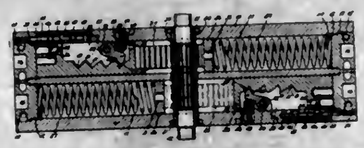
1. A variable reactor comprising a pair of first capacitor surfaces, separate inductor strips connected at one terminal to respective ones of said capacitor surfaces, the other terminal of each said strip being spaced from the capacitor surface to which the other strip is connected, and a second capacitor plate optionally positionable in face-to-face opposition to said first surfaces or in approximate edge-to-edge opposition to said strips, or in any proportions of opposition to said plates and said strips, the other terminals of said stripe constituting the terminals of said reactor.

2,471,706
CRANKPIN GRINDING MACHINE
Albin V. Spongberg and Harry G. Pasholan, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application February 7, 1946, Serial No. 645,988
5 Claims. (Cl. 51—237)



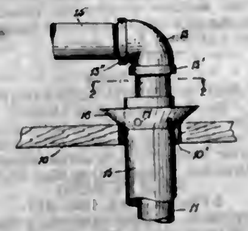
3. In a crankpin grinding machine having a transversely movable rotatable grinding wheel, a work support comprising a pair of aligned opposed work heads, a rotatable spindle in each of said heads, a pot chuck on each of said spindles including a pivotally mounted clamping jaw and a piston and cylinder to actuate said jaw, a fluid pump, means including a control valve to control the admission to and exhaust of fluid from said chuck cylinder to clamp and release said clamping jaw, a spring normally to maintain said valve in a closed position, direct connections between the fluid pump and said valve to open said valve and clamp said jaw to hold a crankshaft in said chuck, and fluid connections to close said valve after a grinding operation has been completed so as to exhaust fluid from the chuck cylinder and thereby unclamp said jaw to release the finished crankshaft.

2,471,707
DOOR CHECK
Anton Van Veen, Canton Center, and Kenneth B. Noble, Branford, Conn.
Application August 31, 1945, Serial No. 613,720
8 Claims. (Cl. 16—62)



1. In a door closing and checking device, an elongated casing having rectangular parallel top and bottom walls and rectangular side walls and provided with openings to permit attachment of either side wall to a support, said casing having a bore extending longitudinally therein and containing a fluid, a rotatable toothed spindle vertically mounted midway between the ends of said casing and midway between the side walls thereof and having its end projecting above and below the top and bottom walls of the casing, a plunger slidably mounted in said bore and having a rack meshing with said spindle, a spring in said bore urging said plunger in one direction, and means for controlling the flow of fluid to the opposite ends of the plunger.

2,471,708
FLOOR PROTECTOR
Wilson E. White, Pontiac, Mich.
Application July 10, 1947, Serial No. 760,175
6 Claims. (Cl. 285—30)



1. As a means for protecting a floor from condensation from a pipe passing through an opening therein, a tube of larger bore than the outside diameter of the pipe adapted to be placed in spaced relation around said pipe and through the floor opening, and a funnel-shaped flange on the upper end portion of and draining into said tube.
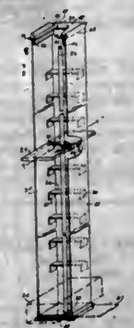
2,471,709
STEEL MEASURING RULE
Eugene J. Witchger, Saginaw, Mich., assignor to The Lufkin Rule Co., Saginaw, Mich.
Application April 28, 1947, Serial No. 744,486
3 Claims. (Cl. 242—84.8)

1. In a measuring device of the character described, the combination comprising a case formed with a flat base and vertical end walls with an entrance slot in the end wall adjacent one end of said base, a collable measuring rule in said case and projecting through said slot, a hook secured on the free end of the rule, and means in said base spaced inwardly from said entrance slot and engageable by said hook securing means for



securing it in engagement with the case when the rule is in fully coiled position.

2,471,710
VENETIAN BLIND
Charles Adler, Cincinnati, Ohio
Application May 7, 1946, Serial No. 667,870
7 Claims. (Cl. 160—178)

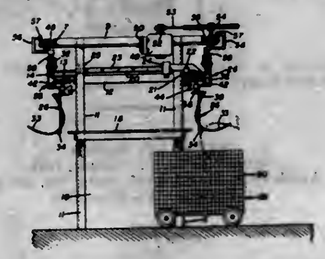


1. In a Venetian blind a ladder tape comprising a pair of flexible members each of a length of the Venetian blind when extended located one on each side of the blind and in transverse alignment, slat supports, one for each slat, joining said members, said slat supports all being located outwardly of the median line of said members, means above the uppermost slat for supporting the ladder tape and slats, and means for securing the upper ends of said flexible members to the support, comprising a separate member extending across said supporting means from one side of the blind to the other and coacting means between said flexible members and said separate member for detachably securing the said flexible members and said separate member together.

2,471,711
AUTOMATIC WEIGHING AND SORTING MACHINE
William F. Altenpohl, Philadelphia, Pa.
Application December 31, 1946, Serial No. 719,516
2 Claims. (Cl. 209—121)

1. In a machine of the class described, an endless substantially elliptical conveyor chain power-driven and disposed in a horizontal plane, a similarly shaped and disposed supporting rail for said chain, a similarly shaped track disposed in the horizontal plane below said chain and rail and centered relative thereto, an elongated supporting frame for said rail and track having transversely arranged stalls formed therein along its length below said track and open at one side of said frame, said chain, rail and track extending outwardly beyond the frame and said stalls,

load-weighing means comprising depressible track sections in said track opposite said stalls at said side of the frame, load-conveying carriages suspended from said track to travel around said stalls onto said sections for lowering thereon to depress the same under the weight of a load and thereby weigh said load at said side of the frame



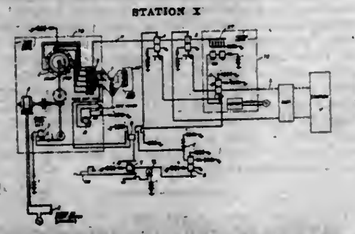
and opposite said stalls, operating connections between said chain and carriages extensible vertically to provide for lowering of said carriages while connected to said chain, self-dumping load supports on said carriages, means to cause dumping of said supports as said carriages are lowered opposite said stalls, and means in the stalls for receiving the contents of the dumped supports.

2,471,712

INTERCOMMUNICATION TELETYPEWRITER SYSTEM

Walter M. Bacon, New York, N. Y., and Charles R. Walker, Jersey City, N. J.; said Bacon assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York, and said Walker assignor to American Telephone and Telegraph Company, a corporation of New York

Application June 15, 1945, Serial No. 599,540
8 Claims. (Cl. 178—4)



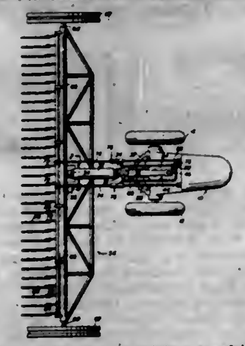
1. In a telegraph system, a main loop circuit for signal transmission, a plurality of signal transmitters and receivers connected to said loop circuit, two relays operated by each transmitter, one of said relays being also a receiving line relay connected to said loop circuit, means for operating said relays substantially simultaneously in response to signals outgoing from their local transmitter, recording means controlled by said receiving line relay responsive to signals incoming over said loop circuit, means for locking said recording means during outgoing transmission, and means operative when the said relays operate to positions different from each other for furnishing an alarm at said station local to said relays.

2,471,713

TRACTOR TYPE HAYRAKE

Albert R. Baker, Gordon, Nebr.

Application October 15, 1947, Serial No. 779,885
1 Claim. (Cl. 56—27)



A farm implement comprising a vehicle, a rod pivoted at one end to said vehicle, a sleeve rotatively journaled on said rod having a frame secured thereto, a tool bar pivoted to said frame, means for adjustably positioning said frame including a gear secured to said vehicle, a pivot pin carried by said rod, a planetary gear mounted on said pin engaging said first-mentioned gear, means for rotating said tool bar including a link pivoted to said tool bar, fluid-actuated means for adjusting said link and manually operable means for operating said rod in a substantially horizontal plane including a link fixed at one end to said pivot pin, a handle pivoted to said vehicle and a lost motion connection attaching said handle to the opposite end of said last-mentioned link.

2,471,714

STABILIZED DRY ROSIN SIZE COMPOSITION

Justus C. Barthel, Stamford, Arnold R. Davis, Riverside, and Edward Nichols Foor, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 22, 1948, Serial No. 28,754
2 Claims. (Cl. 106—218)

1. A dry rosin size composition consisting essentially of rosin size stabilized against oxidation by a content of from 0.1% to 1% of phenothiazine based on the weight of the rosin.

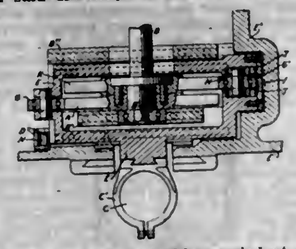
2,471,715

DEVICE FOR PRODUCING RECTILINEAR MOVEMENT OF THE OPTICAL ASSEMBLY IN CINEMATOGRAPH APPARATUS

Antoine Bécote, St. Etienne, France

Application August 7, 1947, Serial No. 767,233
In France December 18, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires December 18, 1961
5 Claims. (Cl. 88—16.8)

1. In a kinematographic apparatus of the continuous film unwinding type, the provision of an optical system and means for producing a reciprocating rectilinear movement of the latter comprising a rotary shaft, two cams rigid with the shaft the shape and setting of which cams is such that the uppermost tangent to one cam and the lowermost tangent to the other cam are permanently spaced by a constant distance for all angular settings of the shaft, a stationary frame rigid with the apparatus and including vertical slideways, a movable cage slidingly carried between said slideways and carrying the optical



system and rollers rotatably carried at the upper end and at the lower end of the cage and operatively engaging respectively the upper portion of the first cam and the lower portion of the second cam.

2,471,716

BARREL SPUT

Leon M. Bell, Portsmouth, Ohio; Pauline Welch Bell executrix of said Leon M. Bell, deceased

Application March 12, 1945, Serial No. 582,383
2 Claims. (Cl. 285—49)



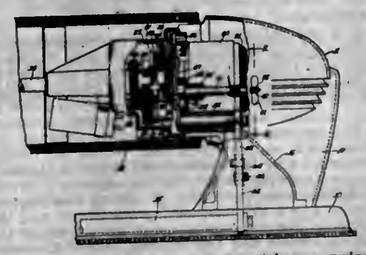
1. A metallic vessel having an opening provided with a neck; a sput in said neck and comprising a section of a metal tube of a proper diameter and having an outwardly flared end, a gasket on the outer edge of said end, said section having at least one recess in its outer wall-face, said neck being in tight contact with the surfaces of said flared end and embracing said gasket and having a portion projected into said recess for purposes described.

2,471,717

IRONING MACHINE CONTROL MECHANISM

William H. Bradley, Fort Wayne, Ind., assignor to Horton Manufacturing Company, Fort Wayne, Ind., a corporation of Indiana

Application February 21, 1946, Serial No. 649,180
2 Claims. (Cl. 38—61)



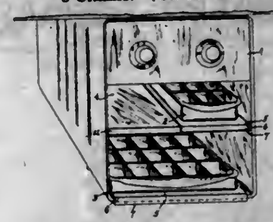
2. An ironing machine comprising a pair of relatively shiftable ironing elements, one being a roll, a base, casing means extending upwardly from the base at one end thereof and having a rounded head portion, power driven mechanism mounted in said head portion for rotating said roll and for shifting one of said elements toward and from the other including a pair of clutches for controlling such rotation and for effecting such shifting, and a pair of disengaging members for the respective clutches, a member located in said head portion and swingable in one direction to move the disengaging member for the clutch controlling the rotation of the roll and in the opposite direction to move the disengaging member for the clutch for effecting the shifting movement, said swingable member being normally positioned between said disengaging members whereby opposite movements of said swingable member are required for moving the respective disengaging members, said head portion having a slot extending circumferentially thereof, and a hand lever extending generally radially from said head portion through said slot and angularly movable to the limits of said slot to actuate said swingable member.

2,471,718

ANTIFREEZE APPLIANCE

Lawrence W. Breck, Cleveland, Ohio

Application October 11, 1948, Serial No. 53,917
5 Claims. (Cl. 62—1)



1. An appliance for preventing an ice cube tray from freezing to a refrigerated supporting surface, said appliance comprising a fibrous absorbent sheet having embedded in its interstices particles of sodium chloride and particles of a second solid having the property of controlling the resultant of the pH values of the sodium chloride and of the fibrous sheet and giving a neutral pH value to moisture condensing on the tray and support.

2,471,719

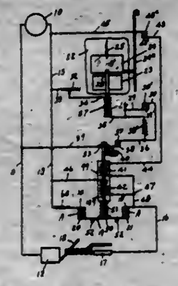
AUTOMATIC WELDER'S HOOD CONTROL

Wilgus S. Broffitt, Indianapolis, Ind., and Homer F. Montague, Lexington, Ky.

Application January 19, 1946, Serial No. 642,190
1 Claim. (Cl. 2—8)

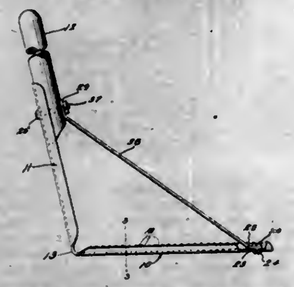
In a welding apparatus having a welding circuit switch normally constrained to open position and a helmet having an opening protectable by a shield movable into and out of registration with the opening, movement in one direction being electrically controlled, the combination of electrically operable means for effecting such control, switch means for controlling such electrically operable means, electrically operable multiple means for closing the welding circuit switch, one of the multiple means being connected in shunt across the last mentioned switch and always energized when the work is electrode engaged, another switch means normally open and being closed only when the shield is fully registered with the opening and being in

series with another of the electrically operable multiple means for energization thereof, total multiple means energization only effecting closing of the welding circuit switch, and par-



tial energization of the electrically operable multiple means effecting the operation of the electrically operable means switch means when the work is electrode engaged.

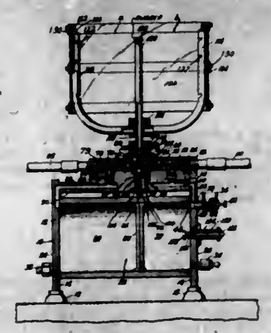
2,471,720
WEED SLASHER
Norman E. Brooke, Washington, D. C.
Application July 13, 1945, Serial No. 604,836
2 Claims. (Cl. 30—318)



1. A weed cutter or slasher, comprising a relatively long blade body of flattened V cross section, a handle attached thereto, the top corners of the longitudinal edges of the body being cut away transversely at closely spaced positions therealong to form a series of sharpened concave cutting edges, the material of the body between said cutting edges presenting flat striking faces designed to guard the cutting portions.

2,471,721
SANITARY DRINKING GLASS CLEANER
Fred William Bunch, Green Bay, Wis.; Emily E. Bunch, administratrix of said Fred William Bunch, deceased, assignor of thirty-three and one-third per cent to Emily E. Bunch, Green Bay, Wis., thirty-three and one-third per cent to Frederick W. Bunch, Jr., and thirty-three and one-third per cent to Benjamin Bunch, both of Eau Claire, Wis.
Application February 27, 1945, Serial No. 579,910
21 Claims. (Cl. 134—50)

20. A receptacle cleaning apparatus comprising a housing, a piston operable in the housing defining a high pressure chamber and a low pressure chamber, a block mounted on said housing and formed with a chamber, a spray unit swingably supported by said block and depending into said chamber and communicating therewith, an inlet for a fluid under pressure associated with the block chamber and communicating with the high pressure chamber, control means interposed between the first inlet and the block member, conduit means between the low pressure chamber and the block chamber, means for admitting a detergent fluid into said low pressure chamber, a second fluid inlet associated with said block



chamber, said conduit means communicating with the second inlet, control means associated with said second inlet, said last control means being actuated by said spray unit for establishing a communication between the low pressure chamber and the block chamber and between the second inlet and the block chamber, said first control means being actuated by the spray unit for establishing communication between the first inlet and the block chamber, and drainage means for said block chamber, said last means being responsive to a neutral positioning of the spray unit with respect to both of the control means.

2,471,722
EXTENSIBLE FIGURE WHEELED TOY
Donald A. Campbell, Cleveland, Ohio
Application October 17, 1945, Serial No. 622,830
4 Claims. (Cl. 46—104)



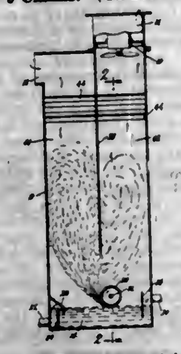
3. A toy simulating a ground traveling creature comprising a horizontally extendable lazytong structure adapted to be substantially enclosed by a covering representing a creature, leading ground wheels mounted adjacent to the forward end of the lazytong structure, ground wheels mounted to the trailing end of the structure whereby the structure is supported by said wheels for rolling movement over the ground and is free to elongate and contract parallel with the ground as it moves along the latter, a crank driven by the leading wheels, and a link connecting the crank and the lazytong structure at a point intermediate the leading wheels and the trailing end of the lazytong structure whereby the latter is extended and retracted by rotation of the leading wheels.

2,471,723
FISHING REEL
Richard L. Cannon, Spokane, Wash.
Application September 16, 1946, Serial No. 697,196
3 Claims. (Cl. 242—84.5)



1. A fishing reel including a spool having a central open hub, a bushing locked in the hub and formed with an upper threaded extension, a washer on the extension and having a portion of its periphery flat, a winding disk rotatable about the washer, a tensioning nut on the extension and clutch means between the winding disk and the nut whereby increased tension on the line of the spool will permit retrograde movement of the spool while the winding disk is being rotated in winding direction.

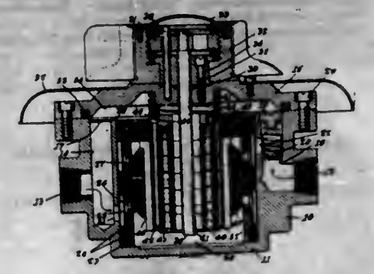
2,471,724
GAS WASHER
Niels C. Christensen, Salt Lake City, Utah
Application December 30, 1944, Serial No. 570,619
9 Claims. (Cl. 183—22)



1. In an air washer, an upright casing having a liquid containing sump in its bottom portion, a rotatably driven spray rotor horizontally supported within the casing and extending from one side of the casing to the other and disposed to dip into the liquid in the sump, an upright partition superimposing in spaced relationship the spray rotor and extending upward tangentially to the rising side of the rotor and extending from one side of the casing to the other dividing the space within the casing above the rotor into an upright downdraft portion and an upright updraft portion communicating below said partition.

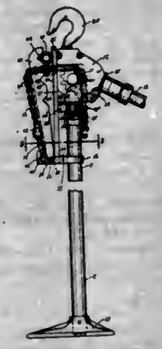
2,471,725
MIXING VALVE
Walter B. Clifford, Boston, Mass.
Application August 7, 1946, Serial No. 689,038
5 Claims. (Cl. 251—75)

1. A mixing valve comprising a hollow valve body, a resinous lining sleeve sealed to the interior of the valve body and having ports therein, a valve sleeve carrying O-rings which make running seals between the lining sleeve and the valve sleeve adjacent to the said ports, and a longitudinally fluted sleeve carrying said valve sleeve,



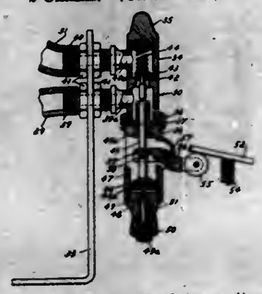
being movable therewith and providing a longitudinal fluid passage from one end of the valve body to the other.

2,471,726
JACK OPERABLE AND SUPPORTED VISE
Fredrick W. Coffing, Danville, Ill., assignor to Coffing Hoist Company, Danville, Ill., a corporation
Application April 12, 1946, Serial No. 661,734
15 Claims. (Cl. 81—21)



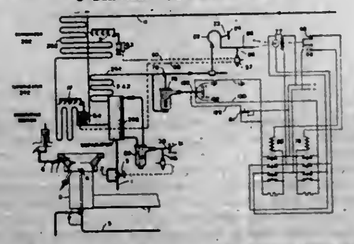
1. In combination with a hoist structure including a body portion, an inextensible flexible means such as a cable, chain and the like, power transmitting mechanism incorporated in the body portion for moving the flexible means therethrough, and a tubular standard detachably supporting the body portion; a detachable vise structure comprising a stationary supporting member for a vise jaw, a movable supporting member for a vise jaw, means mounting said movable member on said stationary member, means for connecting the flexible means to the movable member, the flexible means extending from said connecting means and passing through both members and into the body portion, and vertically spaced means rigidly and detachably connecting the stationary member to the body portion and standard.

2,471,727
APPARATUS FOR SUPPLYING ABRASIVE TO BUFFING WHEELS
James P. Creamer, Hamden, Conn., assignor to Lea Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application June 19, 1947, Serial No. 755,548
2 Claims. (Cl. 51—263)



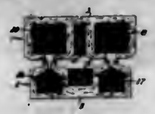
1. In an apparatus for applying a liquid buffing compound to a buffing wheel, a spray gun, means for supplying buffing liquid and compressed air to said gun, and a timer mechanism for automatically cutting off the supply of air at the end of a predetermined time interval, said timer mechanism including a normally closed valve for controlling the flow of said liquid and air, a longitudinally movable valve rod connected at one end to said valve, a lever connected to an intermediate portion of said rod and adapted to move the rod to open the valve, a spring urging said valve to closed position, and a dash pot at the other end of said rod to hold the valve open against the force of said spring for a predetermined time period.

2,471,728
CONTROL SYSTEM
Paul S. Dickey, East Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original application July 24, 1940, Serial No. 347,191. Divided and this application June 27, 1942, Serial No. 448,829
3 Claims. (Cl. 122—480)



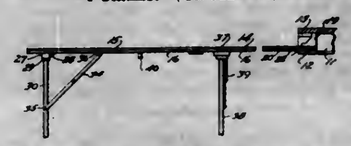
1. In a vapor generator having generating and superheating portions lying in parallel paths conducting heated gases, in combination, dampers arranged in said paths so as to proportion the flow of heated gases therethrough, fluid actuated means for positioning said dampers, valve means for controlling the supply of pressure fluid to said fluid actuated means, means including an elongated member connected between its ends to said valve means for controlling the latter, means sensitive to the temperature of the vapor leaving the superheater and operatively connected to one end of said elongated member, a reversible motor connected to the other end of said elongated member for moving the latter to different positions, and means for energizing said motor to run for a predetermined period of time in one direction or the other on a predetermined change in the load conditions on the generator.

2,471,729
ELECTROMAGNETIC RECIPROCATING MOTOR
Eduard Diebold, Zurich, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application January 2, 1946, Serial No. 638,668
In Switzerland January 13, 1945
8 Claims. (Cl. 172—126)



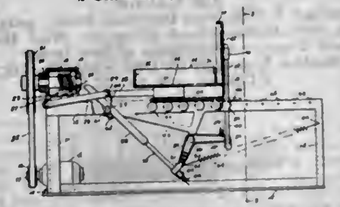
1. An electromagnetic motor for producing linear reciprocating motion comprising a stator element, an armature element, said stator and armature elements being magnetizable bodies spaced slightly from each other to provide an air gap therebetween, one of said elements including a pair of C-shaped cores bridged by a yoke, the two ends of each said core constituting a set of double pole pieces facing said air gap and the other element including at least one pole piece disposed opposite each said set of double pole pieces, winding means surrounding said yoke and adapted when energized with direct current to establish a single magnetic flux circuit through said elements and across said air gap, and a second winding means comprising at least one winding surrounding a leg of each said core and adapted when energized with alternating current to establish two magnetic flux circuits in opposite directions which each include a part of the armature element and one of said sets of double pole pieces, whereby the simultaneous energization of both said winding means results in a non-uniform flux distribution in the pole pieces of the respective sets of double pole pieces.

2,471,730
TABLE ATTACHMENT FOR AUTOMOBILE LUGGAGE COMPARTMENTS
Elisabeth C. Doerr, Newburgh, N. Y.
Application December 5, 1944, Serial No. 566,676
4 Claims. (Cl. 311—21)



1. In table attachment assemblages for automobiles, wherein the luggage compartment of the auto receives the table portion of the assemblage for transportation and housing purposes, and wherein the table portion is sectional and positionable for service rearward of the compartment with the sections presenting a substantially planar top having one end supported by the auto and with the planar top additionally supported by leg formations, an assemblage of such type including front and rear sections hingedly connected to permit folding into superposed positions with the rear section overlying the front section, said sections being supported in such superposed relation within the compartment with the front section carried by and movable on ways positioned within the compartment, said ways and front section having cooperating means for preventing complete withdrawal of the front section from the ways to thereby place the ways as a support for the front end of the table in service, the fore and aft length of the rear section being less than that of the front section to permit free swinging of the rear section about the hinging axis to form the planar top formation for service, said rear section having its free end zone equipped with a pair of pivoted leg formations each movable pivotally in fore and aft direction between a position to support such table and a position to overlie the rear section when the sections are housed, one of said sections carrying a single pivoted leg formation with the formation located in the vicinity of the hinging line and positioned in an intermediate zone in the width of the section, with the single leg formation movable for housing purposes into a position of substantial parallelism with the section which carries it.

2,471,731
CONCRETE BRICK PRESS
Hermen Kenneth Farris and Ward Renshaw, Eldorado, Ill.
Application November 8, 1946, Serial No. 708,490
2 Claims. (Cl. 25—88)



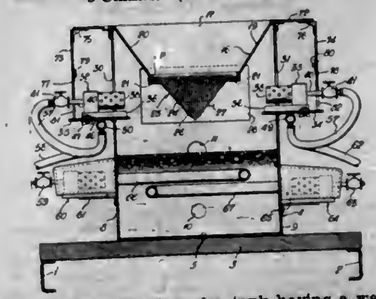
1. In a brick press having motor-driven means, a reciprocable plunger of substantially rectangular cross-section driven thereby, a horizontally-disposed and substantially rectangular tunnel member in which the plunger is adapted to reciprocate, and a supporting frame for the tunnel member and the motor-driven means, the features including a substantially flat table forming the top of the tunnel member having an aperture for dropping material into said tunnel member in advance of said plunger, an upwardly-extending bounding wall upon the table forming a substantially rectangular open box therewith, a horizontally-disposed movable receiving plate located beneath the bottom portion of the tunnel member and having a group of supporting rollers arranged in a horizontal series upon said frame beneath said receiving plate and in the path of movement thereof, an upwardly-projecting frame rigidly disposed upon the end of the box remote from the motor-driven means, a pair of vertically-disposed rods guided upon the upwardly-projecting frame and the supporting frame for vertical movement, a downwardly-directed knife fixed at the ends thereof upon intermediate portions of the vertically-disposed rods, means normally suspending said rods and said knife in position to dispose the knife at the delivery end of the tunnel member to form a stop for a brick being formed by the plunger in said tunnel member against said knife, and lever means connected to said rods beneath said knife and operated by the motor-driven means for moving the knife in said upwardly-extending frame to cut off the formed brick extruded from said tunnel member upon said receiving plate by said plunger.

2,471,732
RESISTANCE ELEMENT FOR COAXIAL TRANSMISSION LINES
Eugene Feenberg, St. Louis, Mo.
Application March 13, 1947, Serial No. 734,327
5 Claims. (Cl. 201—63)



1. A resistance element for insertion between the inner and outer conductors of a coaxial transmission line, comprising an electrical energy dissipating element having at least one tapered edge to provide one part more narrow than another part and composed of sheet-like resistive material spirally wound to provide a mass of uniform composition mountable between said conductors.

2,471,733
SNOW AND ICE MELTING MACHINE
Anthony Fiducela, Cedar Grove, N. J.
Application January 7, 1948, Serial No. 884
3 Claims. (Cl. 126—343.5)



3. The combination of a tank having a water receiving lower section, a hopper secured to the upper end of said tank to receive snow and/or ice, a wire mesh trough at the lower end of said hopper, and a plurality of horizontally arranged burners for directing flames at said trough, the trough being triangular in cross section with the apex at the bottom and disposed below the level of the flames of said horizontally arranged burners but above the level of the water in said water receiving lower section.

2,471,734
TOGGLE OPERATED SLIDABLE JAW WRENCH
Friedriech C. Fischer, De Witt, Nebr.
Application April 17, 1947, Serial No. 742,098
2 Claims. (Cl. 81—88)

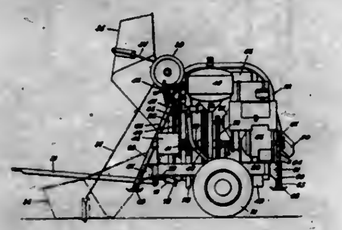
1. In a wrench, a hollow handle, a fixed jaw extending laterally from one end of the handle,

a movable jaw opposed to the fixed jaw and having a shank slidably fitted in said handle to be advanced out of the same and retracted therein and correspondingly move the movable jaw relative to the first jaw, a shaft slidably extended through said handle for advance and retraction and threadedly connected to said shank in laterally offset relation thereto to advance and retract the same upon rotation of said shaft, a hand lever pivoted on said fixed jaw for swinging



toward and away from said handle, a link pivoted at one end to said hand lever with its other end connected to said shaft and forming with a part of said hand lever a toggle between said fixed jaw and one end of said shaft movable into straightened out position into alignment with said shaft to exert a push against said shaft for retracting the same when said hand lever is swung toward said handle, and spring means in said handle for advancing said shaft.

2,471,735
SEMITRAILER VEHICLE WITH ELEVATING MEANS
George A. Fleischmann, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 1, 1944, Serial No. 524,595
2 Claims. (Cl. 254—86)



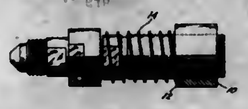
1. In a vehicle of the semi-trailer type, the combination of a frame; a load carrying receptacle mounted thereby and having a discharge opening; a pair of wheels having axle means supporting said frame intermediate its ends for longitudinal tilting movements in each direction; extensible legs carried by one end of the frame for adjustment to and from ground engaging position; a ground engaging frame raising and lowering device adjacent the other end of the frame, whereby the latter may be tilted about said axle means, said legs then extended to and secured in ground engaging position, and the frame then tilted in the opposite direction by said device on said legs as fulcrums to level the frame with the discharge opening of said load carrying receptacle in an elevated position; and extensible legs at the other end of the frame, adjustable to engage the ground and support such end of the vehicle in said elevated position with its wheels clear of the ground.

2,471,736
BASEBALL BASE
John G. Fleming, Pawtucket, R. I., and William J. Klem, Miami Beach, Fla., assignors, by mesne assignments, to said Fleming
Application May 20, 1947, Serial No. 749,216
1 Claim. (Cl. 150—52)



A cover for a baseball base comprising a single piece of rubber-like material having a rectangular bottom wall with an open center of a diameter considerably smaller than the diameter of the base, said cover being sufficiently elastic to permit the opening to stretch and admit said baseball base, an upper wall of generally rectangular shape having a lower peripheral edge merging with the bottom wall, the depth of said cover being greater than the thickness of the base to be held therein, said cover having slots at the juncture of said bottom wall and upper wall, straps extending through said slots and extending across the lower side of the bottom wall to partially cover said opening, said straps crossing each other at the location of said opening and said straps being of a thickness to space the bottom wall with an opening therein above a supporting surface.

2,471,737
AIR GAUGE
Raymond S. Fox, West Hartford, Conn., assignor to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application November 30, 1946, Serial No. 713,201
4 Claims. (Cl. 73—37.5)

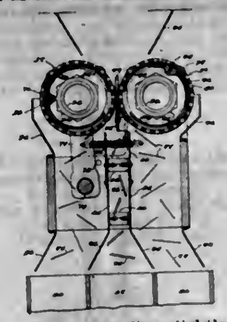


1. A gaging head for air gages comprising a cylindrical head having opposed air delivery nozzles therein, a collar mounted on and slidable over said cylindrical head to nozzle covering position, and resilient means normally positioning said collar over said nozzles and permitting retraction of said collar to an inoperative position when a work piece is mounted on said head in gaging position.

2,471,738
MICA SPLITTING MACHINE
Clark Goodman, Cambridge, Mass., assignor to New England Mica Company, Waltham, Mass., a corporation of Massachusetts
Application March 16, 1946, Serial No. 654,962
10 Claims. (Cl. 125—24)

1. Mica splitting apparatus having, in combination, a pair of cooperating rotatable cylinders having a relatively large number of suction openings distributed substantially uniformly around the surface thereof, said cylinders having provision for connection with a source of suction, and being disposed horizontally and with their lateral surfaces in closely disposed relation, each

cylinder having therein stationary valve means so disposed as to confine the suction action to a



relatively small arc extending slightly above and below a plane through the axes of the cylinders.

2,471,739
METHOD OF AND APPARATUS FOR MAKING MOLDED ARTICLES
Jon Gregg, New Hope, Pa.
Application August 11, 1945, Serial No. 610,261
20 Claims. (Cl. 18—4)

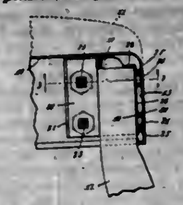


3. Apparatus of the character described, comprising a preheater, high frequency current apparatus adjacent the preheater, and a post-heater adjacent the high frequency current apparatus, means for moving a mold successively through said preheater, high frequency current apparatus, and post-heater, means for heating the mold in the preheater, means for subjecting the mold cavity in said mold to high frequency current in the high frequency current apparatus, and means for heating the mold in the post-heater.

15. In apparatus of the character described, a preheater, high frequency current apparatus and a post-heater, all arranged in tandem, a mold having a mold cavity, means to convey said mold successively through said preheater, apparatus and postheater, means to subject material within said cavity to high frequency current as said mold is conveyed through said apparatus, said last means including bus bars in said apparatus connected to the terminals of a high frequency current generator, and conductors on said mold, above and below said cavity, in contact with said bus bars.

2,471,740
METAL FURNITURE
Bertis F. Hamilton, Columbus, Ind., assignor to Hamilton Manufacturing Corporation, Columbus, Ind., a corporation of Indiana
Application December 1, 1944, Serial No. 566,643
4 Claims. (Cl. 155—194)

1. In an article of furniture having a seat and supporting legs therefor, said seat including a downwardly extending flange of sheet metal, clamps secured at intervals against the inner face of said flange, each of said clamps having a leg associated with it, each of said legs being formed of metal tubing flattened on one side for a distance from its upper end, each of said clamps being formed of a piece of sheet metal bent to surround the upper end of the associated leg and having a plane wall-portion in juxtaposition



to the flattened side of said leg, the plane wall-portion of each clamp lying against the inner face of said flange and having its upper edge bent inwardly to overlie the upper end of the associated leg, the ends of said piece of sheet metal opposite said plane wall portion being bent to form ears extending in parallel relation and inwardly of the seat, and one or more clamp-bolts passing through said ears.

2,471,741
ELECTRIC GENERATOR
Robert C. Harris, Fort Wayne, Ind.
Application May 10, 1946, Serial No. 668,833
7 Claims. (Cl. 171—209)



1. An electric impulse generator comprising a member for providing a magnetic field, a second member supported in said field and through which the flux of the field passes in one direction or in the opposite direction dependent upon the position occupied by one member relatively to the other member, a coil inductively coupled to said second member, means for moving one of said members relatively to the other member for changing the direction of flux passing through said second member, and means on one of said members bearing against the other member and constantly tending to move one member relatively to the other member.

2,471,742
POLYMERIZATION OF ACRYLONITRILE
Stuart A. Harrison, Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application July 12, 1946, Serial No. 683,423
2 Claims. (Cl. 260—88.7)

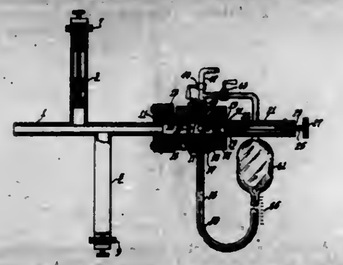
1. The method of preparing a latex containing dispersed, finely-divided particles of polyacrylonitrile which comprises polymerizing acrylonitrile

in an aqueous emulsion containing from 10 to 100% by weight based on the acrylonitrile, of ethylene dichloride.

2,471,743
AQUEOUS EMULSION POLYMERIZATION OF ACRYLONITRILE IN THE PRESENCE OF AN AROMATIC HYDROCARBON
Stuart A. Harrison, Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application July 13, 1946, Serial No. 683,424
4 Claims. (Cl. 260—29.6)

1. The method of preparing a latex containing dispersed, finely-divided particles of a resinous polymer of a nitrile of an alpha-methylene aliphatic monocarboxylic acid, which comprises polymerizing a monomeric material predominantly comprising a nitrile of an alpha-methylene aliphatic monocarboxylic acid, in an aqueous emulsion comprising, in addition to the emulsified monomeric material, an emulsified liquid non-polymerizable aromatic hydrocarbon in a concentration of 10 to 100% based on the monomeric material.

2,471,744
METHOD OF AND MEANS FOR MEASURING MICROWAVE POWER
William D. Hershberger, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1944, Serial No. 537,960
9 Claims. (Cl. 171—95)



7. A wattmeter for microwave energy including means defining a closed conductive chamber, ammonia gas disposed in said chamber under normally fixed pressure and temperature conditions, means for dissipating substantially all of said energy in said gas to vary the pressure thereof due to changes in the molecular energy levels established in said gas in response to said dissipated energy, means for indicating said pressure variations in terms of said dissipated energy, and means external of said chamber for tuning said chamber to resonate to said microwave energy.

2,471,745
SPACER TRAP FOR ROCKETS
Clarence N. Hickman, Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War
Application March 21, 1946, Serial No. 656,118
6 Claims. (Cl. 60—35.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a rocket motor assembly having powder grains strung on a trap wire, the said trap wire being provided with a plurality of spaced nubs intermediate its ends, a spacer member for positioning on said wire between the ends of said



grains, said spacer member having a slot therein to receive said trap wire and having retaining means adjacent said slot to engage with a nub on the said trap wire.

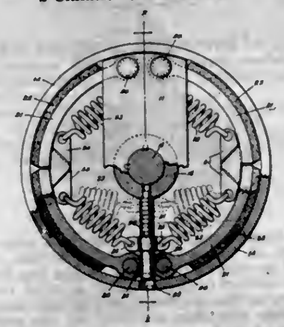
2,471,746
GAUGE TOOL FOR TIMING DIESEL ENGINES
Rudolph Hilbert, Salt Lake City, Utah
Application December 23, 1948, Serial No. 67,056
4 Claims. (Cl. 33—181)



4. An engine timing tool, comprising a rigidly formed, elongate base member adapted to rest substantially horizontally upon the cylinder head of the engine, comprehending a recess therein normally occupied by a fuel injector; a rigidly formed, elongate bracket arm rigidly joined to said base member so as to extend upwardly above the corresponding injection push rod of the engine when the tool is in operative position; rigid gauge-mounting means formed at the upper part of said bracket arm; a movable gauge member slidably mounted in said gauge-mounting means, and extending downwardly in the operative position of the tool for engagement by the said injection push rod of the engine; a pair of stud-receiving passages formed through said base member, said passages being mutually spaced along the length of said base member for receiving a pair of cylinder head studs which flank the said fuel injector means at opposite sides thereof; an elongate gauge slideway member extending transversely through said base member between said stud-receiving passages and in fixed

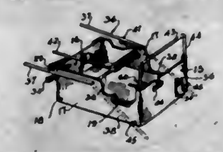
relationship with said base member, so as to be substantially vertically disposed in the operative position of said tool and depend into the said fuel injector recess; and gauge slide means movably mounted in said slideway, said slide means including a push rod member which projects from the lower rod of said slideway member for engagement by the corresponding piston of said engine.

2,471,747
CENTRIFUGALLY OPERABLE CLUTCH
Werner Hinden and Hellmut Hinden, Rio de Janeiro, Brazil
Application August 1, 1947, Serial No. 765,562
In Brazil August 6, 1946
2 Claims. (Cl. 192—105)



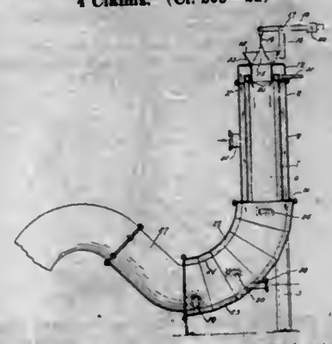
1. In a centrifugal clutch, the combination of a rotatable driving member; a driven member disposed in co-operative relation thereto; a plurality of centrifugally operable clutch elements pivotally mounted on the driving member for torque transmitting engagement with the driven member, each pair of said elements having their pivoted portions disposed adjacent one another and provided with complemental recesses; a threaded rod for each such pair of clutch elements, disposed radially of the clutch and having one end journalled by the driving member and its other end journalled by said complemental recesses in the adjacent pivoted portions of its pair of clutch elements; a nut threaded upon each of said rods; and a retracting spring for each of said clutch elements, having one end attached to such element, the other ends of the springs of each said pair of clutch elements being attached to the nut on the rod associated with that pair.

2,471,748
ANIMAL TRAP
William R. Horne, Los Angeles, Calif.
Application November 26, 1946, Serial No. 712,439
19 Claims. (Cl. 43—81.5)



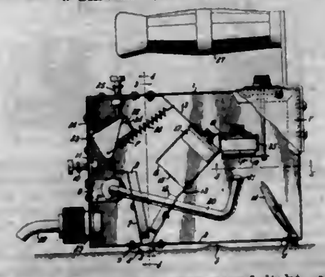
1. A trap comprising a frame, a trigger mounted on said frame and releasable by an animal to be trapped, a spring-actuated striker consisting of a U-shaped rod having its basal portion pivoted to said frame, and latching means positioned releasably to hold said striker in its set position, said latching means being operatively connected to said trigger.

2,471,749
FURNACE
Ernest O. Howle, Chicago, Ill.
Application August 11, 1945, Serial No. 610,222
4 Claims. (Cl. 263—21)



2. In a furnace of the class described, a tubular upright combustion chamber having a hopper at its upper end to receive a measured quantity of material, a gas ring about the upper end of the chamber having discharge ports inclined to discharge downwardly in said chamber and toward its axis, an elbow duct communicating with the lower end of the chamber, an air jacket about said chamber, a means establishing communication between the jacket and the interior of the chamber outside of said gas ring to direct the flow of entering air into the vortex created by the gas discharge.

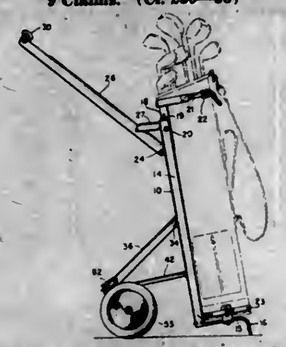
2,471,750
PHOTOELECTRIC GLOSSMETER
Richard S. Hunter, Franklin Park, Va., assignor to Henry A. Gardner Laboratory, Inc., Bethesda, Md., a corporation of the District of Columbia
Application February 20, 1948, Serial No. 9,810
6 Claims. (Cl. 250—41.5)



1. In a glossmeter, a source of light, optical means for twice reflecting light rays from said light source from the surface of a test object, and a measuring system including a photoelectric device positioned in the path of the light rays twice reflected from the test object, and a second pho-

toelectric device to compensate for light rays reaching said first photoelectric device along paths other than those of the twice reflected light rays.

2,471,751
COLLAPSIBLE GOLF BAG CART
Thomas A. Hutsell, Renton, Wash.
Application April 15, 1947, Serial No. 741,475
9 Claims. (Cl. 280—38)



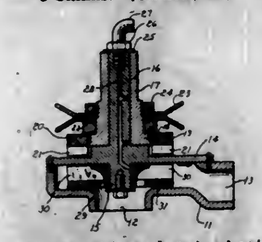
1. A golf-bag cart, comprising: a main frame adapted to support a golf bag; a bracket bar pivotably secured to said main frame; a bracket strut pivotably secured to said bracket bar; said bracket bar and said bracket strut being adapted to form a rigid triangular bracket when the cart is in use; wheel outriggers, having down-turned ends, supported by said bracket in either an extended position of use or in a folded position; wheels mounted for rotation on the down-turned ends of said wheel outriggers; said bracket bar forming housing means for said outriggers when in the folded position adapted to position said wheels with their axis of rotation substantially aligned with the longitudinal axis of said main frame.

2,471,752
PROCESS OF COVERING WIRE CONDUCTORS
John H. Ingmanson, New Haven, Conn., assignor to The Whitney Blake Company, Hamden, Conn., a corporation of Connecticut
Application December 22, 1945, Serial No. 636,789
8 Claims. (Cl. 18—59)



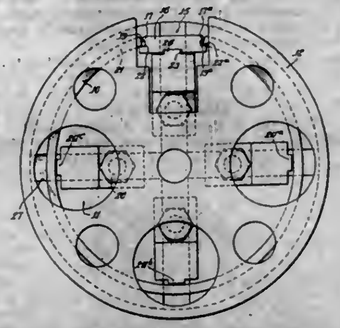
1. The process of covering a wire conductor with inner and outer coverings of plastic material, including: causing a wire conductor to travel longitudinally; extruding substantially uniformly over said traveling conductor, an inner deformable covering of vulcanizable plastic material; extruding through a die over said traveling inner covering while it is in unvulcanized deformable condition, an outer covering of different plastic material, said outer covering being extruded from said die in the form of a tubular sheath around said inner deformable covering with a space annular in cross section therebetween so as to exert no pressure on said traveling inner deformable covering while the latter is within the die; contracting said tubular sheath after it has passed out of said die substantially uniformly to smaller size into contact with said traveling inner deformable covering thereby to maintain the uniformity of said inner deformable covering over said wire conductor; and heating said inner covering of vulcanizable material to temperature to vulcanize it while it is covered by and traveling with said outer covering.

2,471,753
PUMP DEVICE
George Johnston, St. Clair, Mich.
Application July 12, 1946, Serial No. 683,033
3 Claims. (Cl. 103—87)



1. A pump comprising a housing having an inlet and an outlet passageway therein, a stud carried by said housing and having one end projecting exteriorly of the latter, a pulley rotatably mounted on the projecting end of said stud, magnet means rotatably mounted on the projecting end of said stud and operatively connected to said pulley, a fluid impeller rotatably mounted on a portion of the stud within said housing, and a second magnet means within said housing operatively connected to said impeller and coupled magnetically to said first magnet means for rotating said impeller as the pulley is rotated.

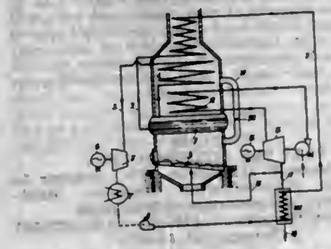
2,471,754
WORKHOLDER FOR PISTON RING HEAT-TREATMENT
Cernyw F. Jones, Maywood, Ill., assignor, by mesne assignments, to Harry M. Bramberry, Sr., New Castle, Ind.
Application August 3, 1944, Serial No. 547,958
5 Claims. (Cl. 266—2)



1. A fixture for supporting and tensioning a split piston ring formed of an alloy having the

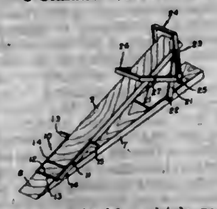
composition .20–.27% C, .40–.70% Mn, .30 max Si, 1.10–1.40% Al, 1.00–1.30% Cr, .20–.30% Mo, 3.25–3.75% Ni and the balance Fe, during heat treatment thereof in a nitriding atmosphere, comprising means for engaging the opposite side faces of the ring to support it, means adapted to be disposed between the ends of the ring to hold them apart and tension the ring and having edges respectively adapted to engage the end faces of the ring approximately perpendicularly to the opposite side faces thereof and other parts respectively adapted to engage the inner wall of the ring adjacent the end faces thereof, and means for preventing radial inward movement of said ring-tensioning means beyond its position in the un-heated condition of the ring while otherwise permitting free movement thereof.

2,471,755
STEAM-AIR-THERMAL POWER PLANT
Werner Karrer, Zurich, Switzerland, assignor to Maschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland
Application March 1, 1945, Serial No. 580,438
In Switzerland January 5, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires January 5, 1964
5 Claims. (Cl. 60—49)



1. In a steam-air power plant, the combination with a steam generator comprising a steam boiler, a combustion chamber and steam superheater, of an air heater arranged between said steam boiler and said steam super-heater, and means for conducting a portion of the hot gases from said combustion chamber into the combustion gases where the latter enter the zone in which said steam super-heater is arranged while the remaining hot gases heat the boiler and the air heater.

2,471,756
PORTABLE AND FOLDABLE VEHICLE LIFTING RAMP
Lloyd A. Larson, Oakland, Calif.
Application January 27, 1947, Serial No. 724,600
5 Claims. (Cl. 254—88)



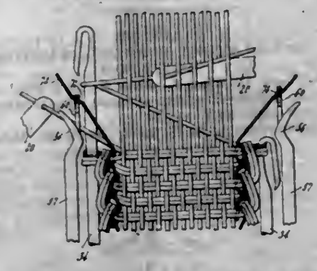
1. A portable, foldable vehicle ramp structure comprising a base-board, a plank forming a ramp, said plank being disposed in superposed position above the base-board, prop means foldably connecting one end portion of said plank to a corresponding end portion of said baseboard a ball-like member pivotally mounted on the opposite end portion of said plank, said baseboard being provided with a tranverse kerf forming a keeper, the bight portion of said ball-like member constituting a detent and being releasably seatable in said keeper.

2,471,757
LINE PRODUCING DEVICE FOR TYPEWRITERS
Manuel G. Lemos, New York, N. Y.
Application March 13, 1948, Serial No. 14,717
2 Claims. (Cl. 197—113)



2. A typewriter having a sliding carriage and a rotary platen thereon, means for controlling the position of the carriage, a scale bar located on the carriage below the platen and provided with a rack bar having inclined ratchet teeth, and printing means carried by the typewriter to engage the platen and the teeth of the rack bar and adapted to be vibrated by said teeth when the carriage is shifted and the printing means is held in printing position against the platen.

2,471,758
SELVAGE FORMING MECHANISM
Carl F. Libby, Stoughton, Mass.
Application March 31, 1947, Serial No. 738,447
6 Claims. (Cl. 139—124)



1. In a loom having shed-forming means and means for projecting loops of weft yarn through said shed from opposite sides thereof in alternation, a knitting mechanism on each side of the shed for knitting the successive loops from the far side of the shed together with the weft yarn on the near side, each said mechanism comprising a vertical guide plate having a lateral

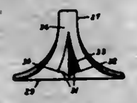
groove therein, a knitting needle having its shank slidably fitted in said groove, a vertical cover plate covering a portion of said groove to maintain the needle therein, spring means pressing said cover plate against said guide plate, and means for reciprocating said needle at predetermined intervals.

2,471,759
PIPE COUPLING
George A. Lowrey, Houston, Tex.
Application December 11, 1945, Serial No. 634,239
6 Claims. (Cl. 285—146)



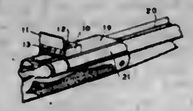
1. A coupling for an operating string of pipe comprising, a tubular housing, a tubular nipple extended into each end of the housing the ends of the nipples being spaced radially inwardly from the housing to allow universal movement of the nipples relative to the housing, each nipple and the corresponding end of the housing having means which interengage to prevent detachment of the nipples from the housing, a seal ring in the housing between the inner ends of the nipples, tubular string sections connected to the respective nipples and clutch means between said string sections and the corresponding nipples.

2,471,760
OSCILLATORY WASHING MACHINE AGITATOR
Rutherford H. Marsh, Girard, Pa.; Mildred L. Irons administratrix of said Rutherford H. Marsh, deceased
Application April 18, 1945, Serial No. 588,975
4 Claims. (Cl. 68—134)



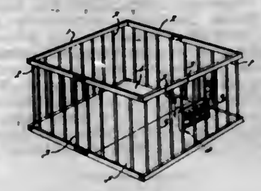
1. In a washing machine, an oscillatory agitator having a vane with an upper face between liquid impelling side faces, the upper face being free to liquid flow from one side face to the other over the upper face, a trough in the upper face, and the liquid impelling side faces converging toward the base of the trough.

2,471,761
GUN SIGHT
Daniel S. McMillan, Raleigh, N. C.
Application August 12, 1947, Serial No. 768,117
6 Claims. (Cl. 33—51)



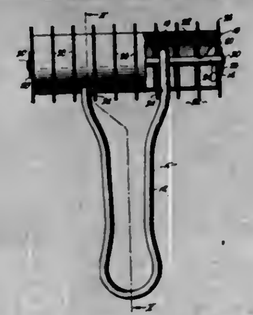
1. A sight for a gun comprising a slotted, hollow, substantially rectangular, open-ended casing having a flange extending upwardly from one of its open ends for encouraging sighting through said casing instead of thereover when aiming the gun on which the device is applied, a slotted mounting member for said casing constructed to clampingly engage a gun to which the device is applied, a resilient shock-absorbing and protective member for said mounting member, fastening elements for securing said casing and said mounting member in assembled relation, slotted washer plates for location one in each of said casing and said mounting members, said fastening elements comprising bolts and nuts adapted to be spaced transversely of said casing and with said nuts located within said casing to provide spaced sighting leads, the slotted portion of the open-ended casing providing for the admission of light upon said lead-forming nuts and facilitating application and removal thereof.

2,471,762
PLAY PEN CONSTRUCTION
Earle E. Merrett, Manitowoc, Wis., assignor to Hamilton Manufacturing Company, Manitowoc, Wis., a corporation of Wisconsin
Application December 7, 1945, Serial No. 633,561
3 Claims. (Cl. 46—32)



1. In a child's play pen, in combination, a side member including upper and lower rails and a plurality of spaced vertical bars, a play device slidably mounted on a pair of said bars, said play device comprising a rectangular frame having a first pair of spaced vertical side frame members interconnecting a second pair of spaced horizontal side frame members, a portion of each of said first side members projecting at an angle to and beyond one of the faces of each of said second side members, inwardly opening longitudinally extending grooves formed in the projecting portions of said first pair of side members and slidably receiving said pair of bars to permit said play device to move vertically with respect thereto, and flat springs extending transversely through said grooves with their opposite ends fixed in said side members and with the intermediate portions resiliently engaging said bars to support said device in an adjusted position thereon.

2,471,763
WALLPAPER PERFORATOR
Layton T. Merrick, Kansas City, Mo.
Application February 17, 1947, Serial No. 728,996
1 Claim. (Cl. 164—123)



A wall paper perforator of the kind specified comprising a frame; and a drum rotatably carried by the frame, said drum including a number of discs each provided with space cutting points along its peripheral edge, said frame comprising a shaft rotatably mounting the drum, and a handle on the shaft intermediate the ends thereof, said handle being substantially U-shaped and having the free ends of its legs attached to the shaft, said discs being threadably mounted on the shaft and having spacing members therebetween, two of said members having openings for receiving the said legs of the handle.

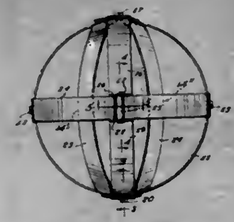
2,471,764
MAGNETIC HAND PICKUP TOOL
Carl H. Miller, Arlington, Va., and Wilbur S. Wilks, Trenton, N. J.
Application January 31, 1946, Serial No. 644,510
4 Claims. (Cl. 294—65.5)



1. In a magnetic hand tool for picking up small objects of magnetic material, a tubular handle member at least a portion of which is composed of non-magnetic material; a sleeve of magnetic material fixed in one end portion of said tubular member; a generally cylindrically shaped magnet slidable in said sleeve between a retracted position in which it is disposed wholly within said sleeve and its magnetic action is neutralized by said sleeve and an extended position in which one end of said magnet is projected beyond said sleeve to an extent such that the neutralizing effect of said sleeve is discontinued; manually operable means extending through said tubular member for projecting said magnet; and resilient means within said tubular member operative to retract said magnet.

2,471,765
CHICK FOUNTAIN GUARD
John R. Morton, Mountain Grove, Mo.
Application November 19, 1946, Serial No. 710,739
4 Claims. (Cl. 119—72)

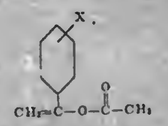
2. A guard device for drinking pans, comprising a generally circular rigid base member, a plurality of rigid strip elements secured to said base member at equal arcuate points along the periphery of the latter member, said elements extending upwardly and toward a point above the center of said base member, two of said strip elements being substantially diametrically-opposed and



formed at the portion adjacent the point above the center of said base member with vertical prong portions, a third strip element having a channel portion at its top, and attachment means extending through said vertical prong portions and said channel portion.

2,471,766
COPOLYMER OF STYRENE AND A PHENYL-VINYL ACETATE
David T. Mowry and Charles L. Mills, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 15, 1947, Serial No. 786,331
5 Claims. (Cl. 260—86)

1. A copolymer of from 70 to 98 percent by weight of styrene and from 30 to 2 percent of a phenyl-vinyl acetate having the structural formula:



wherein X is a radical of the group consisting of hydrogen and chlorine.

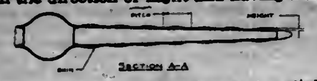
2,471,767
PREPARATION OF FUMARONITRILE
David T. Mowry and William H. Yanko, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 15, 1947, Serial No. 786,332
2 Claims. (Cl. 260—465.8)

1. A method of preparing fumaronitrile which comprises reacting α-chloroacrylonitrile in an aqueous solution of pH value of 7 to 9 with a water soluble cyanide of the group consisting of alkali metal cyanides and alkaline earth metal cyanides.

2,471,768
SHEET COVERING FOR AIRCRAFT PARTS
Felix Nagel, College Park, Md., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland
Application February 16, 1945, Serial No. 578,289
2 Claims. (Cl. 244—35)

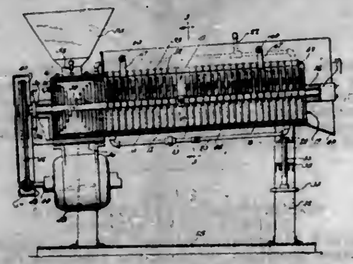
1. An aircraft part, such as a wing, having a flexible metal skin sheet covering formed into

sine-wave configuration by corrugations extending in the direction of flight and having a height



of approximately 0.1 inch or less and a pitch-to-height ratio of at least 10 to 1.

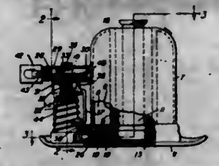
2,471,769
WHIPPING MACHINE
Frank S. Nanna, North Lake Village, Ill.
Application January 4, 1946, Serial No. 639,085
7 Claims. (Cl. 259—6)



1. A whipping machine for aerating material used in confections and the like and comprising, in combination, a housing providing a whipping chamber having a semi-cylindrical bottom, a shaft disposed in the whipping chamber along the central axis of the semi-cylindrical bottom, means for rotatably supporting the shaft, a multiplicity of relatively narrow whipping rods secured to the shaft in axially spaced relationship and extending radially thereof, said rods being of a length such that their ends pass close to the semi-circular bottom of the chamber when the shaft is rotated, means for continuously supplying unwhipped material to the chamber near one end thereof, means for rotating the shaft at a speed such that the rods impart sufficient rotation to the material during the whipping that centrifugal force tends to cause said material to form a substantially tubular mass into which the ends of the rods extend, a series of vanes each having one end anchored to a wall of said chamber and the other end rotatably connected to said shaft between a pair of said axially spaced rods, a second series of vanes each having one end rotatably connected to one of the first mentioned series of vanes, adjustable means for supporting the other ends of said second series of vanes for movement about their rotatably supported ends in a direction toward and from the first mentioned series of vanes, said vanes being normally stationary and in planes extending between said rods so as to increase the agitation of said material between said rods, the end of said chamber opposite that at which the material is supplied being open to provide an outlet for the whipped material, and means for urging the material from the supply end to the outlet end of the chamber.

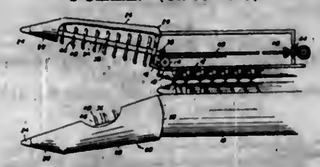
2,471,770
HYDRAULIC JACK
Stanford V. Noble, North Hollywood, Calif.
Application August 6, 1947, Serial No. 766,861
6 Claims. (Cl. 60—52)

6. A hydraulic jack comprising a vertical ram cylinder, a ram in said ram cylinder, a reservoir, a pump for forcing fluid from said reservoir into said ram cylinder to raise said ram, said pump including a pump cylinder having a piston reciprocable therein, said jack including a part having a passage through which the fluid may be bled from the ram cylinder to the reservoir to allow the ram to lower, a valve operable to open and close said passage, means including a rotatable eccentric member acting upon said piston for reciprocating the latter, a manually



operable rotatable and axially movable shaft on which said eccentric member is mounted, and means to simultaneously clutch said eccentric member to said shaft and disconnect said shaft from said valve when said shaft is moved axially in one direction and to simultaneously unclutch said eccentric member from said shaft and connect said shaft to said valve when said shaft is moved axially in the opposite direction, whereby the shaft may be selectively used to actuate the pump piston or the valve.

2,471,771
CORN PICKER GATHERING SHOE
John R. Parks and Henry Hielen, Giltner, Nebr.
Application December 8, 1947, Serial No. 790,466
3 Claims. (Cl. 56—119)

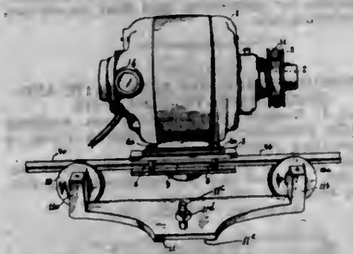


1. In a corn picker having conveyor means and actuating means for motivating parts of the picker, a pair of pointed corn gathering shoes carried on a corn picker in front of said conveyor means and adapted to straddle a row, a shaft longitudinally and rotatively mounted in each of said shoes, teeth carried by said shafts and spaced therealong, and connecting means for operatively connecting said shafts to said actuating means, said shoes being disposed at an acute angle with the direction of travel of the shoes in operation, and said teeth being mounted on said shafts and pivoted on axes normal to the axes of the shafts.

2,471,772
PRODUCTION OF SULFONAMIDES
Siegfried Pickholz, Liverpool, and Haydn Geoffrey Dickenson, Warrington, England, assignors to Ward, Blenkinsop & Company Limited, Brooklands, Halewood, Liverpool, England
No Drawing. Application June 26, 1945, Serial No. 601,717. In Great Britain June 7, 1944
Section 1, Public Law 690, August 8, 1946.
Patent expires June 7, 1964
10 Claims. (Cl. 260—239.6)

1. A process for the production of a benzene sulphonamide in which the nitrogen atom of the sulphonamide group is directly linked to a nuclear carbon atom of a heterocyclic nucleus containing a nuclear nitrogen atom which comprises heating together at an elevated temperature a benzene sulphonamide containing at least one free hydrogen atom in the sulphonamide grouping and a thioether of the general formula R^2SR^3 in which R^2 is selected from the group consisting of alkyl and aralkyl hydrocarbon groups and R^3 is the above-mentioned heterocyclic nucleus and is selected from the group consisting of a mononuclear heterocyclic group and a mononuclear heterocyclic group fused to a benzene ring, the group R^3 being directly linked to the sulphur atom of the thioether through a nuclear carbon atom of the heterocyclic group.

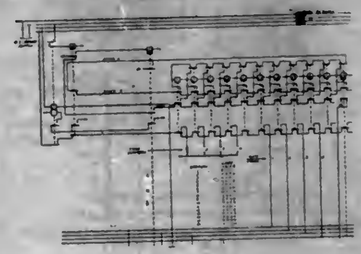
2,471,773
FLOATING MOTOR MOUNT
Abraham Pollak, Linfield, Pa.
Application March 23, 1946, Serial No. 656,730
5 Claims. (Cl. 74—242.13)



1. A floating motor mount embodying, in combination, a motor having a conventional casing, drive-shaft and drive-pulley, a motor-carrying rod fixedly mounted on the motor-casing and extending parallel to said shaft, means including anti-friction devices for mounting said rod on said anti-friction devices to move axially and to carry the motor therewith, and a driving connection between said drive pulley on the motor shaft and a driven pulley on a machine unit to be driven by the motor, whereby tensioning of an adjusted drive-belt may be procured by the rotative reaction of the motor.

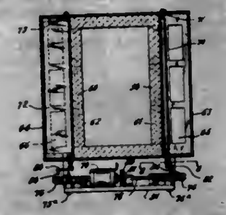
2,471,774
ELECTRICAL VOTING SYSTEM OR THE LIKE
Winfred T. Powell, Rochester, N. Y., assignor to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York
Application September 8, 1944, Serial No. 553,255
16 Claims. (Cl. 235—50)

10. In a voting system, a plurality of stations connected to a central office by a stepping line and a coding line, a channel selecting device at said office and a channel selecting device at each of said stations, means at each station for indicating one of a plurality of votes or choices thereat by a distinctive selective code, a plurality of code responsive relays in said office, a plurality of card punching magnets in said office, means for effectively associating a given station with said stepping and coding lines, means controlled over said stepping line for synchronously operating the channel selecting device at said given station and at said office through a cycle, means controlled over said coding line for selectively operating said code responsive relays during a first portion of said cycle for operating one of said magnets to record the identity of said given station, and means controlled over said coding



line for again selectively operating said code responsive relays during a second portion of said cycle for operating one of said magnets to record the indicated vote or choice at said given station.

2,471,775
APPARATUS FOR SUPPLYING AIR TO CUPOLA FURNACES
Herbert A. Reece, Cleveland Heights, Ohio
Application March 24, 1947, Serial No. 736,780
1 Claim. (Cl. 266—30)

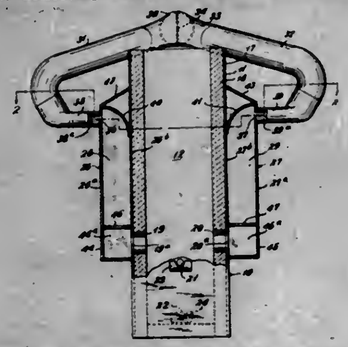


A cupola having a rectangular shaped shaft having a separate windbox on each of two opposite sides, each windbox having a set of tuyères, an air supply means to each windbox, a movable shutter means in each windbox between the air inlet and tuyères thereof, and means for operating said shutter means to alternately retard or shut off the flow of air through the tuyères of each windbox.

2,471,776
AIR SUPPLY APPARATUS FOR CUPOLA FURNACES
Herbert A. Reece, Cleveland Heights, Ohio
Application March 24, 1947, Serial No. 736,781
2 Claims. (Cl. 266—30)

1. A cupola having a rectangular shaped shaft having a separate windbox on each of two opposite sides, each windbox having a set of tuyères, a common main blast line for supplying air to said windboxes, a proportioning valve in the main blast line to permit selective proportioning of air to each of the windbox inlets so that the tuyères of one windbox may supply an equal, greater or less volume of air to the cupola shaft than the tuyères of the diametrically opposite windbox, the portion of each windbox opposite the inlet being

provided with a curved deflector plate facing the inlet deflecting the air toward the tuyères to



obtain substantially equal air velocities in the tuyères of either tuyère set.

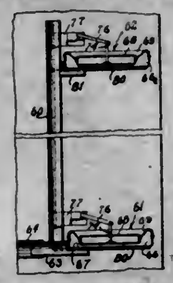
2,471,777
METHOD OF MAKING ULTRA HIGH FREQUENCY INDUCTORS
John L. Reinartz, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Original application March 27, 1946, Serial No. 657,420. Divided and this application March 27, 1947, Serial No. 737,659
3 Claims. (Cl. 29—155.57)



1. The method of utilizing a single conductor for making an ultra-high-frequency inductor comprising the steps of bending said conductor at a point midway between its ends to form a U-shaped loop having substantially parallel-disposed sides, winding said loop to form a substantially non-inductive uniform diameter cylindrical coil, and separating alternate turns of said coil to form two intersecting coils having parallel axes.

2,471,778
FLUID RESPONSIVE CONTROL APPARATUS
Luther Ringer, St. Joseph, Mich., assignor to Nineteen Hundred Corporation, St. Joseph, Mich., a corporation of New York
Application May 3, 1943, Serial No. 485,448
3 Claims. (Cl. 137—68)

1. Fluid responsive means for controlling the level of fluid in a vessel comprising a container, a standpipe extending substantially parallel to the axis of said container and interconnected therewith at the lowermost portion thereof, a plurality of basins disposed at points along said standpipe intermediate its ends corresponding generally with the fluid level desired to be maintained in said container, means for connecting said basins and said standpipe to admit fluid from said standpipe to each of said basins when the fluid level in the container and the interconnected standpipe rises to the level of the connecting means for each of said basins, float means in each of said basins actuated by the rise and fall of the fluid in said container and said standpipe, flexible means for maintaining said float means in said basins without restricting their freedom of move-



ment, switch means for controlling the supply and removal of fluid to and from said container, and means for connecting said float means and said switch means.

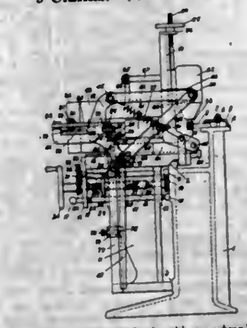
2,471,779
CONTROL DEVICE FOR AUTOMATIC AND SEMIAUTOMATIC FIREARMS
William C. Roemer, New Haven, Conn., assignor to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware
Original application March 30, 1945, Serial No. 585,666. Divided and this application April 6, 1946, Serial No. 660,184
2 Claims. (Cl. 89—142)



1. A control-mechanism for automatic and semiautomatic firearms, including in combination: a trigger-and-sear unit including a trigger and a sear, the said trigger being operatively connected to the said sear for moving the same, the said trigger-and-sear unit being also provided with a stop-portion engageable with the hereinafter-mentioned control-member; a control-member mounted in the firearm-structure for axial reciprocation substantially crosswise of the path of movement of the stop-portion of the said trigger-and-sear unit and for transverse oscillation, the said control-member being provided with a safety stop-surface located relatively remotely from its center of oscillation, the said control-member also being provided with a semiautomatic stop-surface located relatively closer to the center of oscillation of the control-member as compared to the location of the said safety stop-surface, the said semiautomatic stop-surface being out of circumferential alignment with the said safety stop-surface, the said control-member also being formed with a full-automatic clearance-portion in circumferential alignment with the said semiautomatic stop-surface, the said full-automatic clearance-portion being constructed and arranged to permit the said stop-portion of the trigger-and-sear unit to move past the positions which are permitted by either the safety stop-surface or the semiautomatic stop-surface, the said control-member being movable axially relative to the stop-portion of the said trigger-and-sear unit to selectively bring either

the safety stop-surface thereof or both the semiautomatic stop-surface and the full-automatic clearance-portion into axial position for cooperation with the stop-portion of the said trigger-and-sear unit, the said control-member being oscillatable about its axis at both extremes of its axial movement, whereby the said control-member may be moved from any given one of its three described positions directly into any one of the others thereof; and detent-means yieldingly holding the said control-member in any one of its three aforesaid positions.

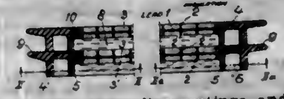
2,471,780
MACHINE FOR FABRICATING STRAKES FOR BOAT CONSTRUCTION OR THE LIKE
Alexander Greswolde Seymour Sandison, Brantford, Ontario, Canada
Application August 23, 1944, Serial No. 550,738
In Canada January 24, 1944
9 Claims. (Cl. 144—134)



3. A machine for fabricating strakes for boat construction or the like having a longitudinal table to support the work, longitudinal ways, a saddle mounted on said longitudinal ways for longitudinal rectilinear movement relative to said table, mechanism to move said saddle, an eccentric rotatably mounted on said saddle, gearing connecting said mechanism to said eccentric, a slide mounted on said saddle for movement in a direction transverse to the direction of said longitudinal rectilinear movement, a frame mounted on said slide, a cutting tool mounted on said frame, an eccentric follower engaging said eccentric, a mounting for said eccentric follower supported on said slide, and connecting means coupling said frame with said mounting.

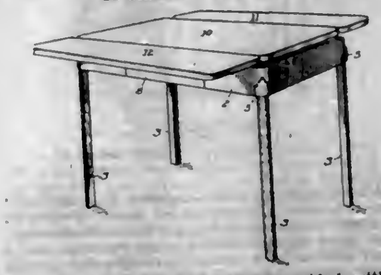
2,471,781
ELECTRIC ACCUMULATOR OF THE BIPOLAR TYPE
Wilhelm Georg Schmidt, Saltsjobaden, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application September 19, 1944, Serial No. 554,789
In Sweden June 29, 1943
3 Claims. (Cl. 136—12)

1. An electric accumulator of the bipolar type having a plurality of vertical electrode plates stacked against each other between terminal plates, each electrode plate comprising a thin lead sheet, a grating of insulating material on each side of said sheet, positive and negative active materials impressed in the meshes of said gratings, a frame around the edge of said gratings and having flanges projecting from one electrode to an adjacent electrode, said flanges having a height exceeding the total thickness of the



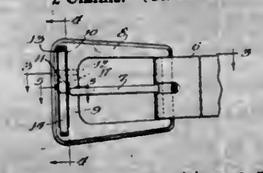
lead sheet with surrounding gratings, and parallel vertical walls extending between adjacent plates close to the vertical boundaries of the active part of the electrode plate.

2,471,782
EXTENSION LEAF TABLE
Charles H. Schnorr, Springdale, Pa.
Application January 29, 1947, Serial No. 724,942
11 Claims. (Cl. 311—55)



2. A table having a frame provided with a skirt having a peripherally extending upper edge, a table top comprising a main panel and a leaf normally positioned beneath the panel and beneath said upper edge of the skirt, supporting means for said leaf, a plurality of spaced bearing means beneath the panel engaging said leaf-supporting means for horizontal and vertical movement of the supporting means relatively to the panel, and means including a shaft extending between and journaled in said bearing means for vertically shifting the panel and leaf to move the leaf into position above said upper edge of the skirt, whereby the leaf may be drawn horizontally from beneath the panel and the panel positioned in the plane thereof.

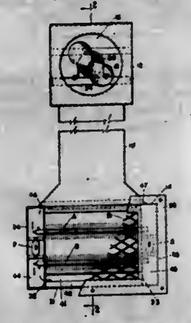
2,471,783
NAPKIN HOLDER
Bernard A. Schroeder, Winnetka, Ill.
Application September 18, 1947, Serial No. 774,870
2 Claims. (Cl. 24—7)



1. A napkin holder comprising: a waist belt buckle frame provided with a slotted end bar; a lever, pivotally mounted in the slot in said end bar, including a downwardly extending gripping arm to engage the bar and an opposed handle arm which is depressible into the upper portion of said slot; a spring seat in the slot; an exten-

sion on said lever; and a compression spring mounted between said seat and extension so as to urge yieldingly said gripping arm against said bar.

2,471,784
HEAT EXCHANGE UNIT
Louis P. Seifner and Ralph C. Moreau, Seattle, Wash.; said Moreau assignor to said Seifner
Application November 19, 1945, Serial No. 629,534
1 Claim. (Cl. 236—37)

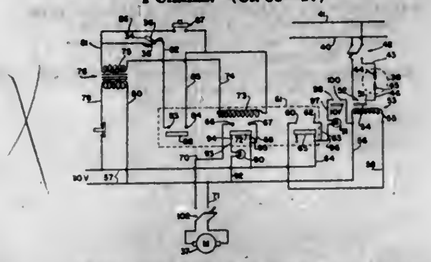


A heat exchange unit, consisting of: a vertically disposed conduit having an air intake opening at its upper extremity and an air discharge opening, in a plane parallel to the upper opening, at its lower extremity; a pressure-creating fan in said upper opening; a heat exchanger in said lower opening, having finned heating elements disposed with the lowermost element nearer the discharge opening than the upper; a shield member disposed behind and below said heating elements in spaced relation to the means forming the conduit and adapted to form a directing means for the heated air and a cold air passageway behind and below said heating elements; end chambers at each end of said heating elements, each having a cold air inlet at their tops and a discharge at their bottoms; a baffle plate horizontally disposed above said heating elements; a longitudinally extending air passageway in said plate having downwardly extending flared edges adapted to direct air under pressure downwardly upon said heating elements; a first thermal responsive switching means responsive to heat demand and manual switching means for controlling said heating elements; and a second thermal responsive switching means responsive to the temperature of the heating element and manual switching means for controlling said fan, said thermal responsive means being adapted to insure automatic operation of the heat exchange unit in response to heat demands and to insure full discharge of all heat generated in said heat exchange unit.

2,471,785
COPOLYMERS OF VINYL AROMATIC COMPOUNDS
Raymond B. Seymour and John Mann Butler, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corperation of Delaware
No Drawing. Application June 21, 1944, Serial No. 541,466
11 Claims. (Cl. 260—74)

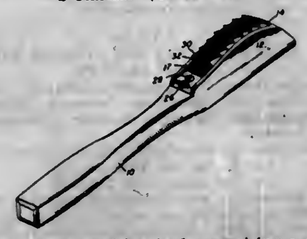
1. An interpolymer comprising a biphenyl compound selected from the class consisting of vinylbiphenyl, vinylchlorobiphenyl and vinylfluorobiphenyl copolymerized with a compound selected from the class consisting of styrene, alpha-methylstyrene and alpha,para-dimethylstyrene, said vinylbiphenyl compound comprising from 5% to 95% by weight of said interpolymer and said other compound comprising at least 5%.

2,471,786
SAFETY DEVICE FOR MOTION-PICTURE PROJECTORS
James G. Shepler, Columbus, Ohio
Application March 19, 1948, Serial No. 15,814
4 Claims. (Cl. 88—17)



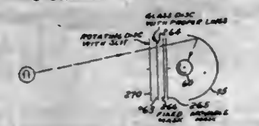
1. Safety mechanism for motion picture projectors of the type having a driving motor and an arc lamp comprising a source of current; a relay switch between said current source and said arc lamp; a field coil in said relay switch; a control circuit for said field coil; a second source of current connected in said control circuit, a second relay switch in said control circuit between said second current source and said field coil; a circuit containing said driving motor in parallel with said control circuit; a second field coil in said second relay switch; a pilot circuit containing said second field coil, said pilot circuit being connected with said second current source; a pair of switches connected in series in said pilot circuit one of said switches being controlled by the film and the other being controlled by the field coil in said second relay switch; and a third normally open switch arranged in said pilot circuit in parallel with one of said pair of switches.

2,471,787
LEATHER ROUGHING TOOL
Claude C. Smith, Oklahoma City, Okla.
Application June 23, 1947, Serial No. 756,468
2 Claims. (Cl. 69—20)



1. A leather roughing tool comprising a shank having three walls projecting from one end thereof including a pair of side walls and an end wall, a plurality of spaced parallel blades between said side walls, one end of said blades bearing against said end wall, a retaining block removably secured to said shank bearing against the free ends of said blades, and spacer plates interposed between adjacent blades.

2,471,788
ELECTRONIC COMPUTER
Richard L. Snyder, Jr., and Jan A. Rajchman, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Original application March 21, 1942, Serial No. 437,002, now Patent No. 2,431,591, dated November 25, 1947. Divided and this application February 15, 1947, Serial No. 728,802
5 Claims. (Cl. 177—351)



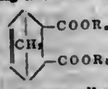
1. In a computer for substantially continuously deriving a mathematical function of the variable angular displacement of two elements, a disk having a narrow radial slit therein, a transparent fixed screen having fiducial marks, fixed and movable masks for said marks coaxial with said disk, a spherical reflector, a light responsive device at the focus of said reflector, a light source, and means for directing said light through said disk and said unmasked portion of said screen to said reflector and from said reflector to said device to derive trains of electrical pulses the duration of each said train being a function of said unmasked marks.

2,471,789
RUBBER PLASTICIZER COMPOSITION
Frank J. Soday, Baton Rouge, La., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Original application February 20, 1943, Serial No. 476,638. Divided and this application July 6, 1946, Serial No. 681,760
20 Claims. (Cl. 260—31.6)

1. A new composition of matter, comprising rubber selected from the group consisting of natural rubber and rubber-like polymers of butadiene-1,3, isoprene, piperylene and 2-chlorobutadiene-1,3, and as a plasticizer therefor a diester of styrene glycol having a nuclearly substituted hydrocarbon group, the said plasticizer being included in a quantity equal to from 2% to 50% the weight of the said selected rubber.

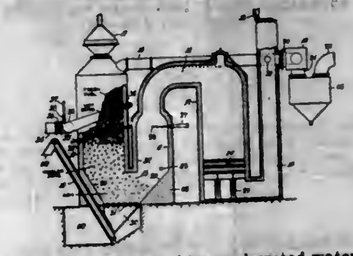
2,471,790
INSECT-AFFECTING COMPOSITIONS
Frank J. Sowa, Cranford, N. J., and Arthur Schwerdle, New York, N. Y.; said Schwerdle assignor to said Sowa
No Drawing. Application April 26, 1945, Serial No. 590,500
14 Claims. (Cl. 167—30)

6. An insect-affecting composition comprising a compound having the following general formula



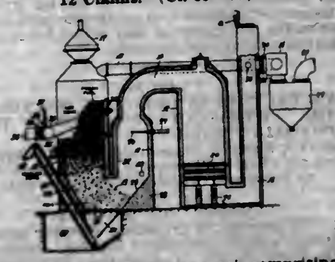
in which R_a and R_b are alkyl groups, the total number of carbon atoms in both groups together being from 2 to 8, together with at least one insect-affecting composition of the contact paralysis type selected from the group consisting of dimethylphthalate; 1,1,-dimethyl 1, 2-dihydro 8-butacarboxyl gamma pyrone; and p,p'-dichloro diphenyl trichloro ethane.

2,471,791
PROCESS OF MAKING WATER GAS
George R. Steere, Ipswich, Mass.
Application September 26, 1945, Serial No. 618,670
17 Claims. (Cl. 48—205)



1. In a process of making carbureted water gas in a set comprising a generator containing a bed of fuel and heat regenerator chamber which process comprises always blasting the fuel bed downwardly with an oxygen containing gas, burning the resultant blast gases in the heat regenerator chamber to heat this chamber, passing steam through the heat regenerator chamber and thence up through the fuel bed and withdrawing the resultant water gas directly from the generator and passing steam down through the fuel bed and carbureting the resultant water gas in said heat regenerator chamber.

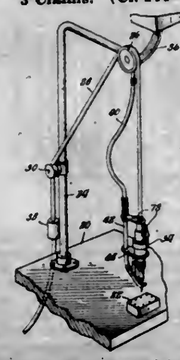
2,471,792
APPARATUS FOR MAKING WATER GAS
George R. Steere, Ipswich, Mass.
Application September 26, 1945, Serial No. 619,135
12 Claims. (Cl. 48—79)



1. A carbureted water gas set comprising in combination a generator, carburetor and superheater located in separate and detached shells and connected in series, the base of the generator communicating with the base of the carburetor through a permanently unobstructed passage devoid of valves and the top of the carburetor communicating with the top of the superheater through a permanently unobstructed passage devoid of valves for flow of water gas from the generator up through the carburetor and down through the superheater and flow of steam up through the superheater, down through the car-

buretor into the base of the generator and up through the fuel bed therein, means for introducing air into the upper portion of the fuel bed for blasting the fuel bed in a downward direction, a gas offtake leading from the superheater and a separate gas offtake leading from the top of the generator bypassing the carburetor and superheater.

2,471,793
FASTENER FEEDING AND SECURING APPARATUS
John S. Stull, Chicago, Ill.
Application May 7, 1945, Serial No. 592,415
3 Claims. (Cl. 144—32)



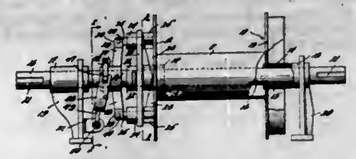
1. The combination comprising a pulley, a flexible power conductor positioned over said pulley, a motor driven tool connected to one end of said conductor, a magazine mounted adjacent said pulley, a flexible conduit extending from said magazine to said tool, means biasing said pulley toward one position, means connected to said conduit for receiving therefrom an article and for positioning said article adjacent the end of said tool, a control handle for starting said tool, said control handle being arranged to operatively position said latter means relative to said tool, and a feeder arm mounted on said pulley and responsive to the movement of said pulley for releasing an article from said magazine.

2,471,794
MANUFACTURE OF COLORING MATTERS OF THE PHTHALOCYANINE SERIES FROM PHTHALYL HALIDES
Robert J. Sumner, Manchester, N. H., assignor to Roberts Chemical Company, Perth Amboy, N. J.
No Drawing. Application July 15, 1948, Serial No. 38,950
5 Claims. (Cl. 260—314.5)

1. The process for preparing a copper phthalocyanine which comprises heating together a phthalyl halide, the halogen atoms of which have an atomic weight of at least 35 and not more than 80, a cupriferous reagent and a member of the group consisting of urea and biuret.

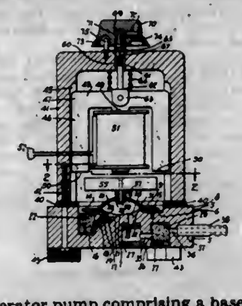
2,471,795
ONE-WAY CLUTCH OF THE PIN AND SOCKET TYPE
William A. Taylor, Louisville, Miss.
Application August 26, 1946, Serial No. 693,051
2 Claims. (Cl. 192—47)

1. In a transmission of the class described, in combination, a drive shaft, a driven disc element mounted for rotation on said shaft, clutch means for effecting and disengaging a driving connection between said shaft and said driven disc element, said means comprising a drive bar welded to the shaft adjacent said disc element and extending transversely of the shaft, said drive bar having openings therethrough one on each side of the axis of said shaft, a pin-carrying member slidably mounted directly upon said shaft, said pin-carrying member comprising a hub and a pair of diametrically extending arms, pivots carried



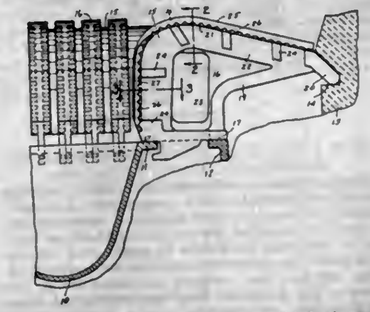
by the ends of said arms, said pivots extending transversely with respect to the axis of said shaft, one or more projectible pins carried by said pivots and guided within the openings in said drive bar for projection toward and retraction from said disc element, sockets in said driven disc element for reception of said pin elements when the clutch is engaged, and a shifting yoke operatively connected with said pin-carrying member for projection and retraction of the pin elements through said drive bar and into and from engagement with said sockets.

2,471,796
AIR PUMP FOR AQUARIUM AERATORS
George A. Thiberg, Cedar Knolls, N. J.
Application October 1, 1945, Serial No. 619,566
9 Claims. (Cl. 230—170)



1. An aerator pump comprising a base provided on its top face with an inner recess and an annular upwardly and inwardly inclined face surrounding the recess and forming an upwardly pointed substantially frusto-conical face; an upwardly curved resilient diaphragm having its margin resting on said frusto-conical face, a clamping ring clamped on said margin and having a lower inner bevel conforming to the shape of said frusto-conical face and clamping said margin to incline the margin inwardly and upwardly to cause the diaphragm to assume a normal dome shape cooperating with the inner recess to form a pump chamber, a housing on said base around said frusto-conical face and communicating with the exterior, passages being provided from the pump chamber to the interior and exterior respectively of the housing, check valve means in the passages opening into and from the pump chamber, and means for vibrating the diaphragm, the resiliency of the diaphragm causing the diaphragm to rebound to normal dome shape.

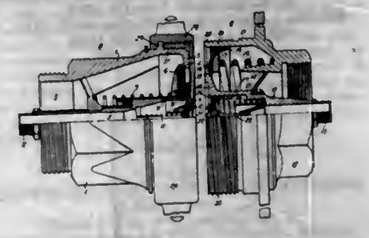
2,471,797
TUYÈRE CONSTRUCTION FOR UNDERFEED STOKERS
Edward B. Thomas, Middletown, N. Y., assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 23, 1944, Serial No. 569,483
2 Claims. (Cl. 110—44)



1. A tuyère construction for solid fuel underfeed stokers, including a retort through which the fuel is fed upwardly, a tuyère bar supporting frame extending outwardly therefrom, a plurality of tuyère bars supported to extend upwardly and outwardly upon said frame about the upper portion of said retort, each of said bars being exposed to an air chamber and having a fuel supporting surface with a web portion formed with inwardly inclined surfaces, a baffle T-shaped in cross section having a web portion thereof supported on said frame between each of said bars and having a baffling flange partially overlapping said bars to jointly present therewith a fuel supporting surface, spacing lugs on opposite surfaces of each bar web portion to engage and space the web portion of said baffle laterally therefrom for air admission and distribution therebetween, and a series of serrations formed inwardly of said flange to diffuse and direct the air laterally over the fuel supporting surfaces of said bars, the effective openings provided by said serrations decreasing from the outer to the inner portions of the tuyère to admit more air to that portion of the tuyère on which the fuel may normally burn more slowly than that portion on which the fuel may normally burn faster.

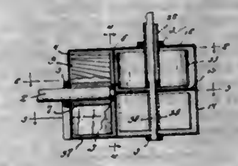
2,471,798
SELF-CLOSING PIPE COUPLING
Percival Edward Thomas, London, England, assignor to Sterling Industries Limited, London, England
Application May 9, 1947, Serial No. 746,907
In Great Britain April 12, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 12, 1966
3 Claims. (Cl. 284—19)

1. A pipe coupling comprising a first unitary component providing a plurality of concentric flow passages and concentric self-closing valve devices to close the terminals of the passages, a second unitary component providing a corresponding plurality of concentric flow passages



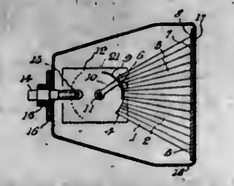
and concentric self-closing valve devices to close the terminals of those passages, and means to secure the two components together and to open the various valve devices when the coupling is made.

2,471,799
ROTARY TURBINE TYPE HYDRAULIC TRANSMISSION
Edward W. Tombs, Pittsburgh, Pa.
Application October 19, 1945, Serial No. 623,273
1 Claim. (Cl. 60—54)



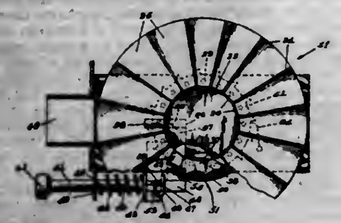
In a fluid power transmission, the combination, which comprises a power impeller, a driving shaft on which said impeller is mounted, said impeller having angularly positioned blades, a housing associated with said impeller, a plurality of turbines associated with said impeller and positioned to be operated in opposite directions thereby, said turbines rotatable about a common axis with the axis thereof positioned at a right angle to the axis of the impeller, the blades of one of said turbines positioned opposite to the blades of the other wherein one turbine is adapted for rotation in a clockwise direction and the other in a counter-clockwise direction, a shaft upon which one of said turbines is mounted, a tubular shaft surrounding the shaft upon which the turbine is mounted providing mounting means for the other turbine, a casing having individual compartments for each of said turbines associated with the housing of said impeller, said casing including a partition separating the compartments thereof from the housing, said partition having inlet openings with deflecting lips providing communicating means between the impeller housing and turbine compartments, one of said inlet openings positioned to admit fluid to one turbine and another of said inlet openings positioned to admit fluid to the other turbine, and return connections from said turbine compartments to the side of the impeller housing opposite to that in which the inlet openings are positioned.

2,471,800
SHADOW IMAGE PROJECTION INDICATING APPARATUS
Egbert von Mülinen, Ennetbaden, Switzerland
Application September 25, 1944, Serial No. 555,681
In Switzerland July 19, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 19, 1963
6 Claims. (Cl. 33—24)



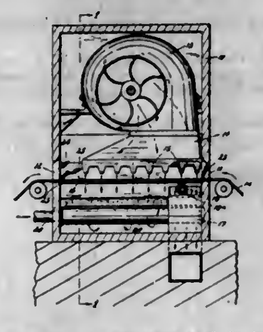
1. A measuring instrument and the like which comprises, in combination, a light source; a translucent light-diffusing shadow receiver bearing quantity measuring indicia; a screen which, in conjunction with said light source, casts a shadow for projection upon said receiver, said screen being a sector of a cylinder and mounted for pivotal movement about the cylinder axis in response to a quantity to be measured; and means for transmitting the shadow pattern from said screen to said receiver in a plurality of separate channels comprising a plurality of lengths of light-transmitting material having light receiving faces arranged to form a cylindrical mosaic surface lying closely adjacent to said shadow-casting screen and having light emitting faces arranged to form a mosaic lying closely adjacent to said receiver, the instrument being constructed and arranged whereby the position of the shadow upon the receiver indicates the value of the quantity being measured.

2,471,801
AUTOMATIC FROZEN CUBE DISPENSER FOR REFRIGERATORS
Dorothy L. Wallace, Saginaw, Mich.
Application February 28, 1946, Serial No. 650,983
5 Claims. (Cl. 312—36)



1. In refrigerating apparatus a freezing box, a rotatable ice magazine in the box and from which ice blocks are ejected, said magazine comprising a series of cells for individual blocks, each cell having an open end, said magazine being cylindrical, a turntable upon which the magazine seats, each of the cells having apertures through a wall thereof, an ejector finger adapted to operate through the apertures to dislodge the blocks, and spring controlled means for actuating the ejector and the turntable.

2,471,802
APPARATUS FOR HEAT-TREATING AIR-PERVIOUS STRIP MATERIAL
Harold J. Walter, Uxbridge, Mass., and Paul R. Rose, East Orange, N. J.
Application November 16, 1945, Serial No. 629,087
1 Claim. (Cl. 34—160)



Apparatus for conditioning and drying a strip of textile material which comprises a closed chamber having exit and entrance openings for the strip of material, means for supporting said strip of material for travel through said chamber, a port for admitting air into said chamber, an air exhaust port, means for controlling the volume of air admitted into and exhausted from said chamber, air heating means positioned in said chamber adjacent the air inlet, and means for directing the heated air against the surface of the material, a perforated support member extending across the chamber on the side of the material remote from said air directing means, the walls of said air directing means forming, together with the chamber walls, air passages leading from beyond said perforated member and from the surface of the strip of material against which the air is directed back to said heating means, whereby air which is passed through the dryer portion of the material and air which has been deflected from the surface of the material is returned, mixed with incoming air, and reheated and recirculated, and individual means for controlling the flow through said passages.

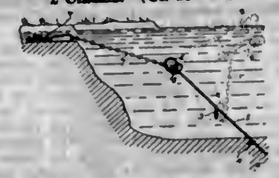
2,471,803
WELDROD FLUX COATING
Rene D. Wasserman, New York, N. Y.
No Drawing. Application December 22, 1945, Serial No. 637,117
3 Claims. (Cl. 148—24)

1. A flux coating composition consisting of:

	Parts by weight
Graphite	10–30
Alkaline earth metal carbonates	25–60
Silicon metal powder (80 to 120 mesh)	5–20
Heavy metal oxides selected from the group consisting of manganese dioxide and both manganese dioxide and lead oxide	2.5–25
Deoxidizing ferro alloys	3–30

intimately admixed with a concentrated aqueous solution of an alkali-metal silicate, containing effective amounts of both a wetting agent and an anti-foaming agent, said solution being employed in an amount sufficient to impart to the coating composition from a creamy to pasty consistency.

2,471,804
ANIMAL TRAP
John Wheeler, Knox, Ind.
Application November 2, 1945, Serial No. 626,192
2 Claims. (Cl. 43—96)



1. A trap stake comprising a rod having a ring formation at one end and a point formation at its opposite end, a hook extending from the mid-length portion of said rod, and directed toward the pointed end thereof, and a barb extending from said rod adjacent to and directed away from said pointed end.

2,471,805
METHOD OF TREATING OURICURY WAX AND RESULTING COMPOSITION
Edward A. Wilder, Racine, Wis., assignor to S. C. Johnson & Son, Inc., Racine, Wis.
No Drawing. Application October 19, 1946, Serial No. 704,537
11 Claims. (Cl. 106—271)

1. A wax composition comprising carnauba wax, paraffin and up to about 16% of the total wax content by weight of ouricury wax, and a volatile solvent said ouricury wax having been pre-treated with at least 25% by weight of a paraffin hydrocarbon having at least 6 carbon atoms at a temperature of at least 150° F., the insoluble portion having been separated and the ouricury wax recovered from the soluble portion.

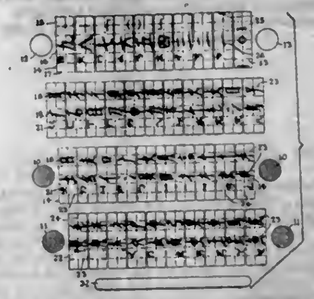
5. A process of refining solid ouricury wax comprising contacting ouricury wax with at least 25% by weight of a paraffin hydrocarbon having at least 6 carbon atoms at a temperature of at least 150° F., separating the insoluble portion, and recovering ouricury wax from the soluble portion.

2,471,806
THERMOSTATIC ELECTRIC SWITCH
Benjamin J. Wilson, Oreland, Raymond C. Machler, Philadelphia, Norman E. Polster, Willow Grove, and George E. R. Murray, Feasterville, Pa., assignors to the United States of America as represented by the Secretary of War
Application May 23, 1947, Serial No. 750,138
3 Claims. (Cl. 200—138)



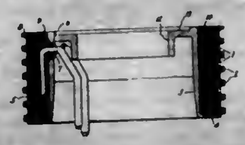
1. In a thermostatic, electric switch responsive to variations in temperature of the barrel of a machine gun slidable in the trunnion block of the gun, on recoil and counter-recoil, the combinations of a housing mounted on the gun and having a portion intruded through the trunnion block and having a passage therethrough; a carriage translatable in said passage toward and from said barrel; an electricity-conducting bearing shoe mounted on said carriage for temperature-conducting contact with the surface of the barrel; resilient means in said housing for biasing said carriage toward the barrel to effect constant contact between said shoe and said barrel; a thermostatic electric contact member attached to said shoe and positioned within said carriage; a second electric contact member mounted in said carriage for adjustment relative to said first contact member and positioned to be engaged by said thermostatic contact member; and a pair of binding posts in said housing for connecting an electric circuit with the barrel through the trunnion block and with the second contact member, respectively.

2,471,807
TYPEWRITER FOR WRITING THE CHINESE LANGUAGE
Tisheng Yen, Washington, D. C.
Application August 2, 1945, Serial No. 608,454
3 Claims. (Cl. 197—1)



1. A typewriter or the like for writing the Chinese language, comprising a keyboard and type bars operated thereby, certain of said type bars each having a radical character type and a phonetic symbol type disposed in different printing positions on different case portions of the bar for writing respectively radicals and phonetic symbols in juxtaposed relation, the arrangement of the phonetic symbol type being such that initial and final phonetic symbol type are positioned on opposite sides of a medial of the bars and medial symbol type are positioned on said medial, there being a separate bar for each of said symbol types.

2,471,808
COLLECTOR RING ASSEMBLY
John H. Baker, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 30, 1946, Serial No. 644,277
6 Claims. (Cl. 171—322)



1. A current collector comprising an assembly of a plurality of axially spaced electrically conductive collector rings with a substantially L-shaped barrier ring member of insulating ma-

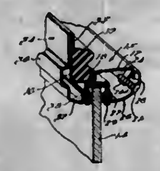
terial arranged between adjacent rings of said collector rings and having a shoulder portion extending axially in supporting engagement with the inner side of one of said adjacent collector rings, a mounting member having a portion spaced inwardly from said collector and barrier rings with a lip extending radially outwardly in engagement with the outermost of said barrier rings at one end of said assembly, and means including an insulating material substantially filling the space between said collector and barrier rings and said mounting member and extending over a part of said assembly opposite said mounting member lip for holding said assembly in position on said mounting member.

2,471,809
FILLING THREAD CUTTER FOR WEFT REPLENISHING LOOMS
Gabriel C. Beatrice, Shrewsbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 29, 1945, Serial No. 29,967
5 Claims. (Cl. 139—267)



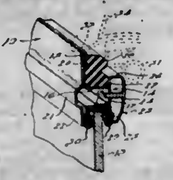
1. A weft thread cutting unit for a loom, said unit comprising a support formed with a lateral lug and having a cutter blade fixed thereto, a second cutter blade pivotally mounted on said support and having upper and lower arms on opposite sides of said lug, an adjustable stop screw on said support to engage said upper arm to vary the position of said second blade relatively to the fixed blade when said upper arm engages the stop screw, operating roll means for the second blade, and an adjusting screw supported by the lower arm and operatively connected to and supporting said roll means and rotatable relatively to said second blade to vary the position of the roll means relatively to said second blade.

2,471,810
DOOR CONSTRUCTION RECEIVING SLIDABLE WINDOW
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 2, 1944, Serial No. 547,675
5 Claims. (Cl. 296—44)



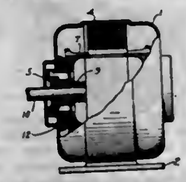
1. In a door construction having a window slidable toward and away from an end of the door, a deformable sealing strip positioned at the said end of the door, a first sheet metal element having an outwardly extending leg and a laterally extending leg formed of a first portion immediately adjacent the outwardly extending leg, a second portion extending laterally from the first portion in outwardly displaced relation, and an outwardly extending portion joining the first and second portions, the sealing strip being received between and held by the outwardly extending leg and the first portion and the outwardly extending portion of the laterally extending leg, a second sheet metal element having an outer portion clamping the outer edge of the outwardly extending leg of the first element and extending inwardly along the outwardly extending leg to a region inward of the first portion of the laterally extending leg and including a rib formation extending away from the first element, a third sheet-metal element having an outer portion detachably secured to the second portion of the laterally extending leg of the first element and an inner portion positioned inward of the laterally extending leg of the first element in opposed relation to an inner portion of the second element, and a channel positioned inward of the laterally extending leg of the first element and having a base solidily backed by the first portion of the laterally extending leg of the first element and sides held between the opposed inner portions of the second and third elements, the channel slidably receiving the outer edge of the slidable window, the rib permitting the inner portion of the second element and the channel to remain straight for receiving a straight window and the outer portion of the second element and the outwardly extending leg of the first element to be curved in conformance with the external contour of the vehicle with which the door construction is associated.

2,471,811
DOOR CONSTRUCTION
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Continuation of application Serial No. 547,676, August 2, 1944. This application October 18, 1947, Serial No. 780,666
8 Claims. (Cl. 296—44)



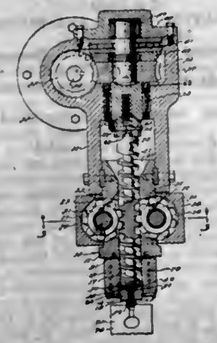
3. In a door construction having a window slidable toward and away from one end of the door, a first sheet-metal element extending along the said end of the door and having an outwardly extending leg and a laterally extending leg, a second element secured to the outwardly extending leg and extending inwardly of the laterally extending leg, a sealing strip received at the juncture of the legs of the first element, a third element secured to the first element and positioned on the side thereof on which the laterally extending leg extends from the outwardly extending leg and having a first portion outward of the laterally extending leg of the first element, said first portion and the legs of said first element providing a retaining channel for the sealing strip and a second portion inward of the laterally extending leg, and a channel held by and between the second element and the second portion of the third element for slidably receiving the outer edge of the slidable window.

2,471,812
ELECTRIC MOTOR
Angelo M. Cristiano, Springfield, Ohio, assignor to Robbins & Myers, Inc., Springfield, Ohio, a corporation of Ohio
Application May 16, 1946, Serial No. 670,102
9 Claims. (Cl. 172—36)



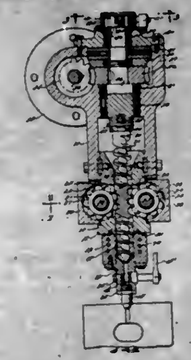
1. An electric motor, a stator ring supported in peripherally spaced relation with an enclosing housing, an armature journaled for rotation in concentric relation with the stator ring, a mounting support common to the stator ring and to the rotor and a resilient body interposed between the common support and the enclosing housing, the construction and arrangement being such that induced vibration is compensated and noise minimized.

2,471,813
INJECTION MOLDING APPARATUS
Walter P. Cousino, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 28, 1944, Serial No. 556,119
2 Claims. (Cl. 18—30)



1. Apparatus for injecting material under pressure comprising a housing having inlet and outlet openings, a valve seat in said housing adjacent said outlet opening, mechanism for displacing said material from said housing comprising a screw member rotatably and axially shiftably mounted in said housing and having a valve element thereon engageable in complete sealing relationship with said valve seat for completely closing said outlet opening, and means resiliently urging said screw member axially for sealingly engaging said valve element on said valve seat when said displacing mechanism is inoperative, said screw member being shiftable axially against the action of said resilient means by back pressure of said material thereon during operation of said mechanism for disengaging said valve element from said valve seat.

2,471,814
PLASTIC INJECTION APPARATUS AND METHOD
Walter P. Cousino, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 10, 1946, Serial No. 668,913
14 Claims. (Cl. 18—30)

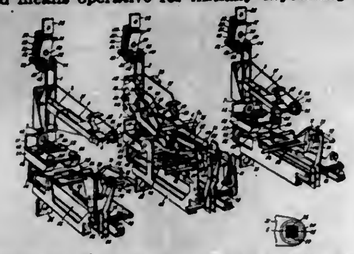


1. Apparatus for injecting moldable material into a mold having an inlet including an injecting unit provided with a discharge passage and means for displacing material therethrough, a valve adapted to close said passage, a discharge nozzle having telescoping relatively shiftable nozzle sections, one of said sections being carried by said injecting unit and yieldably held in spaced relation to said mold by the other nozzle section when the mold is initially filled, said second mentioned nozzle section being registerable with said mold inlet and movable outwardly with respect to said first mentioned nozzle section by the pressure of the material in said nozzle when said mold is filled for yieldably spacing said first-mentioned nozzle section from said mold, means relatively shiftably mounting said injecting unit and mold for bringing said nozzle into and out of mold-filling relationship with respect to said mold inlet, mechanism for relatively urging said injecting unit and mold toward their mold-filling relationship and shifting said second mentioned nozzle section inwardly with respect to said first mentioned nozzle section for maintaining pressure upon the contents of said mold and displacing material from said nozzle into said mold to compensate for shrinkage of the material therein when said valve is closed.

2,471,815
ELECTRIC SWITCH
John A. Favre, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Original application September 25, 1944, Serial No. 555,630. Divided and this application January 3, 1946, Serial No. 638,779
5 Claims. (Cl. 200—153)

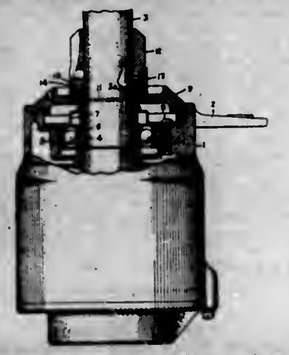
3. An automatic trip-free circuit breaker comprising a movable circuit controlling member biased to an open circuit position, a shaft having a flat side, toggle means interconnecting said circuit controlling member and said shaft, means for operating said toggle means to move said circuit controlling member between open and closed circuit positions, releasable means for

holding said toggle in a thrust transmitting condition whereby to maintain said circuit controlling member in the closed circuit position, a support for said shaft, a bearing for said shaft comprising a bushing rotatably mounted in said support and provided with an irregularly shaped bore through which said shaft extends loosely, and means operative for initially expediting the



collapse of said toggle upon the release of said holding means comprising a pivotal projection on the wall of said bore opposing the flat side of said shaft, the thrust of said toggle being exerted against said projection when the switch is in the closed circuit position whereby the shaft first turns through a small angle independently of said bushing during the initial opening movement of said circuit controlling member.

2,471,816
BOBBIN SPINDLE
Clarence L. Hamm, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application January 14, 1947, Serial No. 721,920
2 Claims. (Cl. 57—129)



1. In a vertical spinning bobbin motor, a rotatable shaft provided with a shoulder, a bearing unit surrounding said shaft and prevented by said shoulder from movement in one axial direction with respect to said shaft, a deflector surrounding said shaft and prevented by said bearing unit from movement in the same axial direction with respect to said shaft, a spinning bobbin support surrounding said shaft and provided with at least one setscrew seatable in a recess in said shaft, and a resilient washer of spring material surrounding said shaft and interposed between said deflector and said bobbin support to separate them in an axial direction.

2,471,817
VARIABLE IMPEDANCE DEVICE
Alfred Herz, Chicago, Ill.
Original application August 19, 1942, Serial No. 455,283. Divided and this application December 16, 1943, Serial No. 514,505
13 Claims. (Cl. 323—89)



1. In a variable reactance device, the combination of a closed magnetic core structure, a reactance winding confined solely to one leg of said core structure, said reactance winding being adapted to be connected in shunt across an alternating current load circuit, and an alternating current saturating winding entirely surrounding said core structure and adapted to be energized from said alternating current load circuit, said reactance winding and said saturating winding being so connected to said source of said alternating current load circuit that during the successive alternations of the alternating current the reactance flux generated by said reactance winding and the saturating flux generated by said saturating winding always have the same directions of flow in said one leg of the core structure.

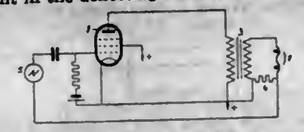
2,471,818
CARBOXYLATED RESINS AND METHOD OF MAKING SAME
Melvin J. Hunter and William C. Bauman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application November 4, 1944, Serial No. 562,042
6 Claims. (Cl. 260—78.5)

1. A synthetic resin consisting of an alkali-insoluble copolymer of an alpha-beta-unsaturated dicarboxylic acid, a vinylidene compound containing a single olefinic group in the molecule, and divinylbenzene, chemically combined in proportions of more than 1 mole of the vinylidene compound having a single olefinic linkage in the molecule per mole of the divinylbenzene, at least 1 mole of the alpha-beta-unsaturated dicarboxylic acid per mole of the vinylidene compound having only a single olefinic linkage in the molecule, and between 0.6 and 1 mole of said alpha-beta-unsaturated dicarboxylic acid per chemical equivalent of the polymerizable compounds other than the alpha-beta-unsaturated dicarboxylic acid.

2,471,819
CIRCUIT FOR GENERATING A SAW-TOOTH-LIKE CURRENT IN THE DEFLECTING COIL OF CATHODE-RAY TUBES
Frederik Kerkhof, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 12, 1946, Serial No. 661,527
In the Netherlands November 7, 1945
3 Claims. (Cl. 315—27)

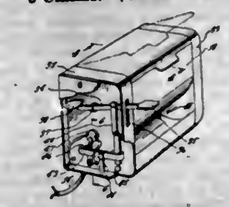
1. A circuit for generating a sawtooth-like current in the deflecting coils of a cathode ray tube,

comprising: a vacuum tube amplifier, the anode circuit of which includes a transformer coupling to the deflecting coils; a source of supply of saw-tooth voltage connected to the input of said amplifier; means for correcting the distortion of the current in the deflecting coils; and in which cir-



cuit, the primary inductance of the transformer is equal to substantially .29TR$_s$, where T is the period of the saw tooth current and R$_s$ is the transformed secondary resistance, whereby the D. C. component of the anode current is maintained a minimum.

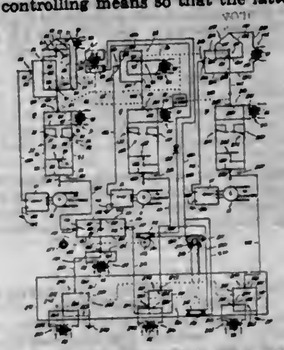
2,471,820
LIGHTED CIGARETTE DISPENSER
Murray Kirsch, Mamaroneck, N. Y.
Application February 6, 1948, Serial No. 6,705
5 Claims. (Cl. 312—86)



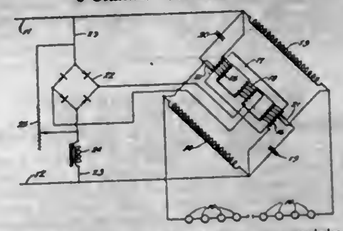
1. A lighted cigaret dispenser comprising longitudinally extending members forming a chamber, end members, a carrier member vertically connected to one of the longitudinally extending members, said carrier member adapted to receive a cigaret from the chamber and move it forwardly to dispense the same, an operating member, a heating element slidably connected in one of the end members, said operating member being connected with the carrier and the heating element to move the carrier with the cigarette forwardly and to cause the heating element to be adjusted in the end member to engage the end of the cigaret.

2,471,821
AIRCRAFT CONTROL APPARATUS
Robert J. Kutsler and Theodore J. Wilson, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 30, 1944, Serial No. 570,712
21 Claims. (Cl. 244—77)

20. In control apparatus for an aircraft having a first motor for positioning an airfoil surface for controlling the direction of flight and a second motor for positioning an airfoil surface for controlling the pitch of the aircraft; motor controlling means including a device adapted to respond to the deviation of an aircraft from a predetermined direction of flight for automatically controlling said first motor, second motor controlling means including a device adapted to respond to the deviation of an aircraft from a predetermined attitude for automatically controlling said second motor, means including a device adapted to respond to the deviation of the aircraft about the roll axis for controlling said second motor, a manually tiltable member, means operated when said member is tilted in one direction to modify the action of said first motor controlling means so that the latter is effective to cause the aircraft to turn, and means operated when said member is tilted in a different direction to modify the action of said second motor controlling means so that the latter is effective to cause the aircraft to alter its pitch.



2,471,822
CURRENT CONTROL APPARATUS
Karl A. Lang, Glenview, Ill., assignor to Lindberg Engineering Company, Chicago, Ill., a corporation of Illinois
Application April 11, 1945, Serial No. 587,797
8 Claims. (Cl. 323—7)

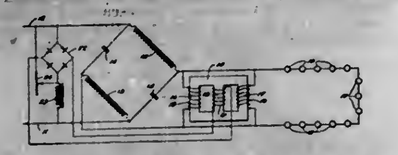


1. Current control apparatus comprising a pair of reactors having one end of each connected to a supply source and the other end of each connected to a load, a pair of inductively coupled windings wound on a common core and connected in a bridge circuit to the reactors, a capacitor connected across at least one of the windings, a saturating winding on the core, and means connecting the saturating winding to the supply source to vary the current in the saturating winding in response to voltage variations in the supply source.

2,471,823
CURRENT REGULATING DEVICE
Karl A. Lang, Glenview, Ill., assignor to Lindberg Engineering Company, Chicago, Ill., a corporation of Illinois
Application June 13, 1945, Serial No. 599,135
8 Claims. (Cl. 323—7)

1. A current regulating device for connecting a load to a source of alternating current compris-

ing a resonant type constant potential to constant current regulating unit connected between the source and the load, a reactor winding connected across the load side of the unit, a core for

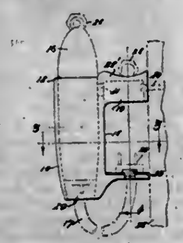


the reactor winding, a saturating winding on the core, and means responsive to the potential across the source side of the unit to supply varying saturating current to the saturating winding.

2,471,824
RECOVERY OF SILVER FROM RESIDUES CONTAINING THE SAME
Herman A. Liebhafsky and Lester B. Bronk, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application August 7, 1946, Serial No. 688,968
7 Claims. (Cl. 23—87)

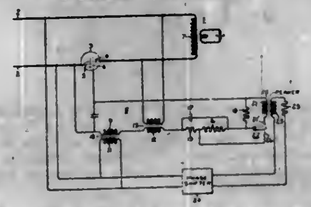
7. The process which comprises (1) firing a residue obtained by passage of chlorobenzene over a contact mass comprising silver and silicon at a temperature above 250° C., said firing taking place at a temperature above 600° C. in an atmosphere free of oxidizing agents, (2) thereafter treating the fired residue with concentrated nitric acid, (3) removing substantially all the undissolved portions from the nitric acid solution, (4) adding hydrochloric acid to the liquid nitric acid solution substantially free of solid matter to precipitate silver chloride, and (5) recovering the precipitated silver chloride.

2,471,825
ELECTRIC RAZOR HOLDER
Margaret Long, Baltimore, Md.
Application March 6, 1946, Serial No. 652,307
1 Claim. (Cl. 248—314)



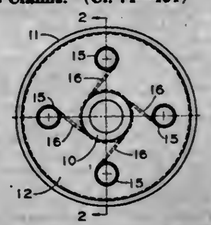
A device of the character described comprising a body providing a razor receiving pocket and having a front wall provided with a substantially V-shaped slot, an integrally formed horizontally and rearwardly extending support at the upper rear of the body adapted to support a razor head guard while the razor is in use and an integrally formed rearwardly and horizontally extending shelf at the lower end of the body having notches for receiving an electric current supply line to the razor and a cleaning brush for the razor.

2,471,826
ELECTRONIC CONTROL CIRCUIT FOR PERFORMING A TIMING FUNCTION
Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 21, 1944, Serial No. 550,352
5 Claims. (Cl. 250—27)



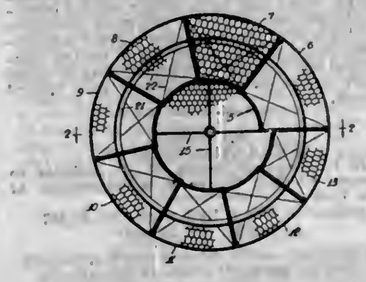
2. In combination, an alternating current supply circuit, a load circuit, electric translating apparatus interconnecting said circuits including electric valve means of the gas-filled type and including an anode, a cathode and a control member, switching means movable to a plurality of operative positions, means including said switching means in one of its operative positions for impressing a periodic voltage of steep wave front on said control member to render the anode-to-cathode circuit of said electric valve means conductive at a predetermined instant during a half wave of voltage of said supply circuit, a capacitor connected in the external cathode-to-control member circuit of said electric valve means, means responsive to anode-to-cathode conduction by said electric valve means for charging said capacitor through the internal cathode-to-control member circuit of said electric valve means to a voltage of sufficient magnitude to maintain the anode-to-cathode circuit of said electric valve means nonconductive for a predetermined interval following each anode-to-cathode conduction by said valve means and regardless of the presence of said periodic voltage, a discharge circuit continuously tending to discharge said capacitor at a rate which determines the duration of said interval, and means including said switching means in another of its operative positions for removing said periodic voltage from said control member of said electric valve means and for establishing a low impedance discharge circuit for said capacitor.

2,471,827
WELDED GEAR BLANK
Joseph R. Mahan, Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 27, 1946, Serial No. 665,486
5 Claims. (Cl. 74—434)



1. A welded metallic structure provided with a hub and a rim, a pair of web plates to support said rim and welded to said hub and rim in spaced axial relation to each other, a plurality of spacers welded between said plates intermediate the hub and rim, a plurality of stiffener plates welded substantially tangential to the periphery of said hub and connected by welding with said spacers in a plane parallel to the axis of said hub, adapted to give axial rigidity to the structure, and reduce deflection, lateral oscillation and vibration to a minimum.

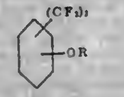
2,471,828
PARABOLIC ANTENNA
Steven E. Mautner, Port Jervis, N. Y., assignor to Skydyne, Inc., Port Jervis, N. Y., a corporation of New York
Application July 4, 1944, Serial No. 543,460
3 Claims. (Cl. 343—18)



2. In an antenna or the like an inner section having a generally spiral periphery, a plurality of outer sections to be secured thereto, said outer sections being of generally trapedzoidal form, each of said sections having a frame of sheet material, all of said outer sections being generally similar in shape and each succeeding section being sufficiently smaller than the next preceding section so as to fit within the latter, whereby said outer sections may be nested, for the purpose described.

2,471,829
HYDROCARBONOXYBIS TRIFLUOROMETHYL BENZENES
Earl T. McBee, Robert O. Bolt, and Robert Tebbe, La Fayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application January 8, 1946, Serial No. 639,906
15 Claims. (Cl. 260—612)

1. A hydrocarbonoxybis(trifluoromethyl) benzene having the general formula:



wherein R is selected from the group of radicals consisting of alkyl, cycloalkyl, aralkyl and aryl, said aryl and aralkyl radicals containing a single unsubstituted carbocyclic ring.

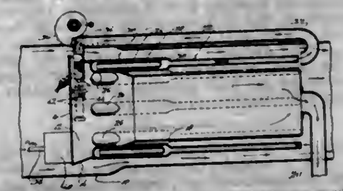
2,471,830
HYDROCARBONOXY(TRIFLUOROMETHYL)-BENZENE SYNTHESIS
Earl T. McBee, La Fayette, Ind., Robert O. Bolt, Richmond, Calif., and Robert Tebbe, Orono, Maine, assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application August 30, 1946, Serial No. 694,154
23 Claims. (Cl. 260—612)

1. The process which includes: reacting a (trifluoromethyl)-halobenzene, halogen and trifluoromethyl being the only substituents on the benzene ring, and an alkali metal hydrocarbonoxide selected from the class consisting of alkoxides, cycloalkoxides, monocyclic aralkoxides, and monocyclic aryloxides at a temperature between about 40 and about 225 degrees centigrade and separating from the reaction product a hydrocarbonoxy(trifluoromethyl)benzene.

2,471,831
BROMINE TRIFLUORIDE TREATMENT OF HALOHYDROCARBONS
Earl T. McBee, La Fayette, Ind., Vincent V. Lindgren, Cos Cob, Conn., and Waldo B. Ligett, Berkley, Mich., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application March 12, 1947, Serial No. 734,229
8 Claims. (Cl. 260—648)

1. The process for the simultaneous introduction of fluorine and bromine into an unsaturated halohydrocarbon which includes the step of mixing an unsaturated halohydrocarbon with bromine trifluoride, maintaining the reaction at a temperature between about zero degrees and about 200 degrees centigrade, and separating from the reaction product a more highly saturated organic compound having an increased fluorine and bromine content, and having the same number of carbon atoms as the starting halohydrocarbon.

2,471,832
INTERNAL-COMBUSTION HEATER WITH KNIPP'S SINGING TUBES
Henry J. De N. McCollum, deceased, late of Chicago, Ill., by Thelma McCollum, executrix, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 23, 1945, Serial No. 584,361
10 Claims. (Cl. 126—116)



1. Means for causing the flow of air, comprising a pipe having an open end, an elongated tube having a bulb at one end and being open at the other end, said latter end being closely adjacent the open end of the pipe and in substantial alignment therewith, a tubular element enclosed within the bulbous end of said tube, said tubular element being open at the end facing the end of said tube and closed at its opposite end, means for supporting said element co-axially with re-

spect to said bulbous end portion, and means for heating the bulbous end portion of said tube.

10. In a sealed combustion type heater having means forming a combustion chamber, a heat exchanger communicating therewith, a ventilating air duct structure to convey air to be heated past said heat exchanger, means for supplying fuel to the combustion chamber, and an igniter, the combination of means for causing the flow of air for combustion including passage forming means and a Knipp's singing tube having its closed bulbous end portion projecting into the combustion chamber and having a second portion located in the flow path of the ventilating air, said singing tube having its open end communicating with said passage in a direction to induce the flow of air therethrough.

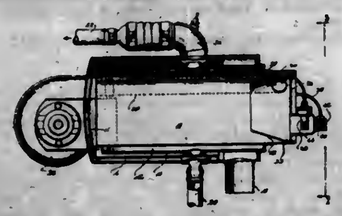
2,471,823

COMBUSTION HEATER WITH FUEL RETAINING TROUGH AND IGNITER POCKET

Henry J. De N. McCollum, deceased, late of Chicago, Ill., by Thelma McCollum, executrix, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application October 3, 1945, Serial No. 619,980

4 Claims. (Cl. 158—28)



2. In a heater, means forming a combustion chamber having a frusto-conical wall and an adjoining wall which meets said conical wall at an acute angle forming a trough, means delivering air to said chamber in transverse relation to the axis of said frusto-conical wall and producing a whirling motion of said air about said axis of said wall and over said trough, said chamber forming means including means forming a pocket adjacent said adjoining wall, igniting means in said pocket, fuel inlet means discharging liquid fuel into said pocket in proximity to said igniting means, said pocket communicating with the conical portion of the combustion chamber through an opening in said adjoining wall which extends to the bottom of the pocket to permit liquid fuel in said pocket to drain into the said trough for exposure to the whirling air stream in the chamber and to permit an interchange of combustion air and products of combustion between said pocket and said chamber.

2,471,834

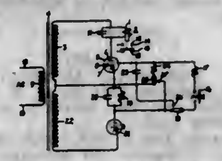
ELECTRONIC RELAY

Earle B. McDowell and Pieter Juchter, Scotia, N. Y., assignors to General Electric Company, a corporation of New York

Application December 9, 1944, Serial No. 567,513

5 Claims. (Cl. 175—320)

1. In combination, a supply circuit, an electromagnetic relay including an operating coil, an electric valve including an anode, a cathode and a control electrode means connecting said supply circuit, the operating coil of said relay and the anode-cathode circuit of said valve in series, a resistor connected between said cathode and control electrode, a capacitor, a source of direct voltage, electrical connections from said source for supplying a charge to said capacitor, a circuit controlled by said relay for connecting said capacitor in parallel with said source of direct voltage when said relay is in one operative position to provide a charge on said capacitor for supplying



a negative bias voltage to said control electrode and for establishing a discharge circuit for said capacitor when said relay is in a second operative position, and a circuit including resistance and a normally open initiating contact connecting said direct voltage between said control electrode and said cathode with the negative terminal of said source electrically nearer said control electrode.

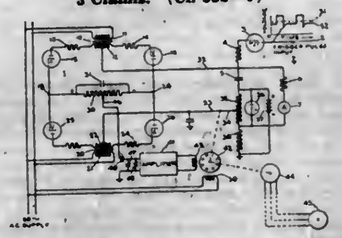
2,471,835

MODULATOR CIRCUIT

Donald E. Norgaard, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application July 1, 1948, Serial No. 36,367

3 Claims. (Cl. 332—9)



1. A system for producing a voltage having an alternating voltage component whose magnitude and polarity are functions of the magnitude and sign of the difference of two unidirectional voltages, comprising two interconnected bridge circuits having one pair of bridge arms in common between a common pair of diametrically-opposite terminals, said pair of arms comprising an impedance capable of carrying direct current and having a tap connection forming a common intermediate bridge terminal, second and third pairs of bridge arms individual to the respective circuits each comprising a pair of unilaterally-conducting devices, means for impressing an alternating supply voltage between the devices of each of said pairs, said means comprising a pair of transformer windings each having a tap connection forming the other intermediate terminal of the respective bridge circuit, said pairs of devices being poled to conduct on alternate half-cycles of said supply voltage and to pass current in the same direction through said impedance, means for impressing said two unidirectional voltages respectively between said other intermediate bridge terminals and a point of reference potential, whereby said alternating voltage component appears between said common intermediate terminal and said reference point.

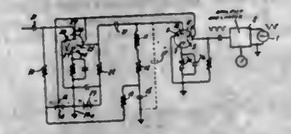
2,471,836

ELECTRONIC SIGNAL GENERATOR

Donald E. Norgaard, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Original application June 8, 1942, Serial No. 446,231. Divided and this application June 2, 1944, Serial No. 538,496

12 Claims. (Cl. 250—27)



1. In combination, a source of sine wave electromotive force, means to convert said sine wave electromotive force to unidirectional electromotive force varying cyclically and abruptly between different values, means to superpose upon consecutive half cycles of said unidirectional electromotive force an oscillatory transient of rapidly decreasing intensity during the half cycle to produce a combined wave in which a sharp intense pulse of maximum amplitude is produced at the beginning of each of alternate half cycles, a load circuit, and means to select said sharp intense pulses and to supply them to said load circuit.

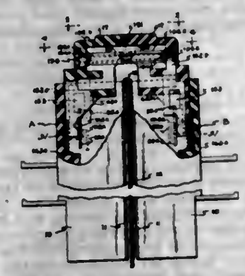
2,471,837

CIRCUIT BREAKER

Elwood T. Platz, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia

Application October 9, 1944, Serial No. 557,884

11 Claims. (Cl. 200—116)



1. A multipole circuit breaker comprising two contactors, each having its own latching and automatic unlatching means, and its own means for moving it to open circuit position on unlatching and for moving it to closed circuit position on relatching, a unitary handle for the contactors, means responsive to contactor movements to determine two different handle positions, one for open circuit, i. e., contactor unlatched, and another for closed circuit, i. e., contactor latched, an unlatching means on the handle whereby when the handle is moved to open circuit position upon unlatching of one contactor, the unlatching means of the handle causes unlatching of the other contactor, and means for permitting the handle to move, upon unlatching of either contactor, with such handle movement causing unlatching of any latched contactor.

2,471,838

PRESSURE SWITCH

Arthur E. Ross, Chicago, Ill., assignor to Cook Electric Company, Chicago, Ill., a corporation of Illinois

Application May 24, 1945, Serial No. 595,506

10 Claims. (Cl. 200—83)



1. A pressure switch comprising a cylindrical tubular enclosing casing forming a body and a smaller enclosing casing forming a head with a threaded neck between the two casings, all in axial alignment, said body having an enlarged base portion with a threaded aperture therethrough for connection with a fluid-pressure pipe, an elongated pressure-responsive bellows in said body and secured to said base to receive fluid under pressure from the said pipe, an actuator carried at the opposite end of said bellows, an electric switch in said head, conductor terminals therefor on the exterior of said head, a push-pin slidable in said threaded neck to operate said switch and having an end adjacent the said actuator, the position of said pin with respect to said actuator being adjustable by turning the head on said threaded neck, and means to lock said neck in adjusted position, the said body forming a rigid support for said head.

2,471,839

INSULATOR MOUNTING

John H. Schumacher, Alma, Mo.

Application October 19, 1945, Serial No. 623,264

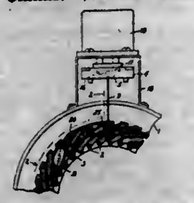
1 Claim. (Cl. 248—205)



In an electric fence, employing a post having therethrough a plurality of transverse holes, one above the other, in combination, a bracket having a horizontal upper arm and a lower arm diverging downwardly therefrom, said arms having at their ends two tongues adapted to be extended respectively through two of said holes, said arms having adjacent said tongues shouldered portions adapted to bear against one side of said post, the lower tongue having a longitudinal slot at the opposite side of said post, a releasable wedge extending through said slot with its converging edges adapted to fit respectively against said post

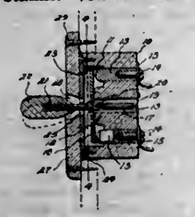
and against the outer end of said slot, so as to hold the adjacent shouldered portion against said post, the other tongue inclining from the horizontal so as to hold the adjacent shouldered portion so as to be adapted to bear against said post, and means adapted to attach an electric conductor supporting insulator to said upper arm.

2,471,840
ELECTRIC PROTECTIVE MEANS
Richard E. Seely, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application September 13, 1945, Serial No. 615,993
3 Claims. (Cl. 171—252)



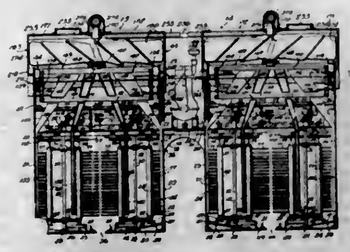
1. The combination with an electric device having a stator provided with slots, a winding of electrically insulated wire in said slots having end turns projecting from said slots, a tube of a material having low heat conductivity, a bulb provided with substantially parallel flat sides on one end of said tube inserted between said end turns with said flat sides in engagement with said end turns, a container having a fluid pressure responsive wall, a connection between said container and the other end of said tube whereby said tube, bulb and container form a sealed chamber, a liquid in said chamber adapted to be vaporized in said bulb in response to a predetermined temperature in said end turns for operation of said wall, said chamber and the contained liquid having a small volume and thermal capacity thereby to minimize the effect of thermal expansion of said liquid and to obtain optimum speed of response of said pressure responsive wall, and switching means connected to control the circuit of said device operated by said wall to deenergize said device when said end turns reach a predetermined high temperature.

2,471,841
MULTIPLE CIRCUIT SWITCH
Harry G. Sells, Columbus, Ohio
Application July 8, 1946, Serial No. 681,892
4 Claims. (Cl. 200—6)



1. A multiple circuit-controlling switch comprising an insulating base formed with a pivotal abutment, a plurality of spaced circuit poles carried by said base, a stationary contact plate carried by said base and disposed in spaced relation to said poles, and a manually operable circuit-closing member pivotally carried upon said abutment between said poles and said plate for teetering movement into circuit-closing engagement with said plate and said poles.

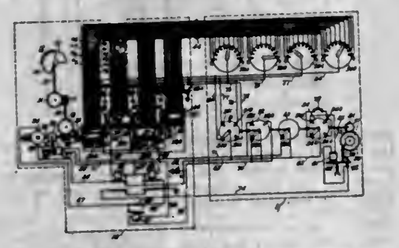
2,471,842
COTTON PICKING APPARATUS
Perry W. Spell, Roseboro, N. C.
Application January 25, 1944, Serial No. 519,656
10 Claims. (Cl. 56—12)



1. A cotton picking apparatus comprising a vehicle movable in one direction longitudinally along a row of cotton plants, power means for propelling said vehicle, a plurality of spindles, endless means carried by said vehicle and supporting said spindles for bodily movement in the opposite direction relative to the vehicle in one path of travel with the spindles projecting transversely across the row of plants, and then through a second path of travel remote from the plants, transmission means connecting said power means to said endless means to move said spindles in the last named direction alternately faster and slower than the speed of movement of the vehicle, said transmission means comprising two actuating devices, one of said actuating devices providing normal movement of said spindles at a speed slower than the movement of the vehicle and the other actuating device operating intermittently to interrupt said normal movement of the spindles and provide periods of movement of said spindles faster than the movement of the vehicle, means for rotating said spindles on their own axes during said bodily movement, and means for effecting a flow of air generally lengthwise of said spindles toward the free ends thereof in said remote path of travel for removing cotton from the spindles, said last named means comprising a vertical vacuum manifold having intake openings adjacent said spindles in said remote path of travel.

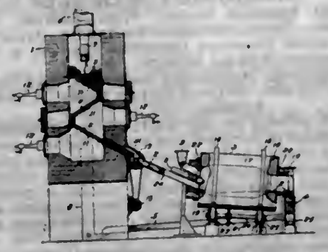
2,471,843
REMOTE-CONTROL SYSTEM
Hamilton A. Stamper, Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 28, 1945, Serial No. 631,403
9 Claims. (Cl. 318—33)

1. In a system of the type described having a control station and a controlled station; a plurality of control lines interconnecting said stations; a plurality of selection switches at said control station, each adapted to complete a circuit to different ones of said control lines, according to its setting; a driven member at the controlled station and an electric motor coupled thereto for driving it; a plurality of rotatable selection members at said controlled station, each corresponding to a different one of said selection switches at the control station, and each adapted to be associated with said control lines, and, when so associated, open a different one of said control lines in each of a plurality of predetermined different positions of rotation of the selection member; means coupling said selection members to said driven member and to each other, for



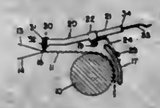
rotation at predetermined different speeds; a plurality of control circuits for energizing said motor and means for successively completing different ones of said control circuits, the first control circuit including the slowest selection member and its corresponding selection switch, and succeeding control circuits including successively faster selection members and their corresponding selection switches, whereby said motor is successively energized to successively rotate said selection members into the positions corresponding to the settings of their associated selection switches.

2,471,844
METHOD FOR CONVERSION OF IRON CHLORIDE INTO IRON OXIDE AND HYDROCHLORIC ACID
Samuel Streisoff, New York, N. Y., assignor to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware
Application April 12, 1946, Serial No. 661,501
2 Claims. (Cl. 23—155)



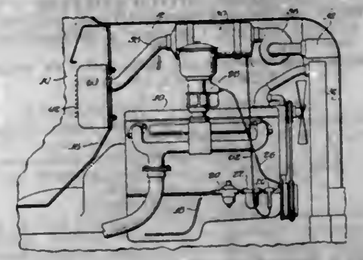
1. A method of producing hydrochloric acid gas and iron oxide from iron chloride which comprises heating, agitating and grinding in a rotatory kiln a stream of said iron chloride in the presence of air and water to temperatures of 600 to 1200° F. by the action of a stream of heated balls and thereby decomposing said iron chloride into iron oxide with the evolution of hydrochloric acid gas and water vapor, continuously removing said acid gas and water vapor, continuously removing the iron oxide and the balls, separating said iron oxide from said balls and reheating and recycling said balls.

2,471,845
LOOM STOPPING MEANS
Edward J. Szabo and Paul W. Christley, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application February 24, 1947, Serial No. 730,238
5 Claims. (Cl. 139—348)



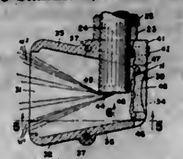
1. The combination of a loom, an electric stop motion circuit in said loom, a detector in said electric stop motion circuit positioned transversely to the warp of said loom and substantially at the fell, said detector energizing the electric stop motion circuit when actuated by a separated warp continuing beyond the position of the detector.

2,471,846
HEATER SYSTEM
Vernon N. Tramontini, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 10, 1946, Serial No. 661,096
4 Claims. (Cl. 237—12.3)



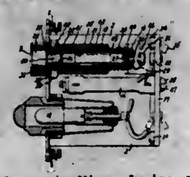
2. A fuel feeding system for an automotive vehicle having a heater which burns the same fuel as the automotive vehicle engine, said fuel being highly volatile, comprising a fuel pump, means to supply fuel to said pump, an engine carburetor, a float bowl for said carburetor, an engine fuel line leading from said fuel pump to said float bowl of said engine carburetor, a fitting for withdrawing fuel from said engine line at a point between said pump and said carburetor, said fitting including means forming a passage connected to said engine fuel line and to an outlet opening lower than said engine fuel line, a heater fuel line of small diameter connected to said outlet opening at one end and to the heater at the other end, and said passage including a reservoir of sufficient cross section in proportion to the rate of flow of fuel to said heater that bubbles forming in said passage will rise against the direction of flow of fuel therethrough so that said bubbles return to said engine fuel line, said reservoir being adapted to inhibit fuel turbulence therein.

2,471,847
PNEUMATIC THREAD HOLDER FOR WEFT REPLENISHING LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 2, 1947, Serial No. 738,882
15 Claims. (Cl. 139—247)



1. In pneumatic thread control means for a weft replenishing mechanism having a magazine provided with a stack of reserve bobbins the lowest one of which is nearer the horizontal center of the magazine than are the other bobbins of the stack, a hollow pneumatic thread holder having a long narrow substantially horizontal intake mouth into which extend weft ends attached to the bobbins, and a tube extending into the holder having a thread aperture spaced from the mouth and into which the weft ends are drawn pneumatically, said aperture being so located relatively to the mouth as to cause the weft end of said lowest bobbin to enter the mouth near the longitudinal center thereof and cause the remaining weft ends to enter said mouth at points horizontally spaced from said weft end.

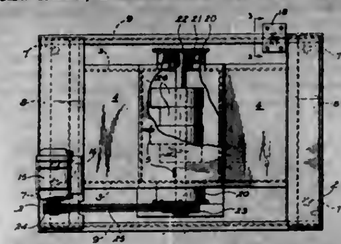
2,471,848
COMBINED SWITCH AND FUSE
Fred G. von Hoorn, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application December 29, 1945, Serial No. 638,060
8 Claims. (Cl. 200—114)



1. A circuit controlling device comprising, in combination, a supporting member, a casing of insulating material carried by said supporting member for sliding movement thereon, said casing being provided with a recess having spaced contact clips therein, a cartridge type fuse in said recess carried by said contact clips, cooperating contact means carried by said casing and said support respectively, one of said contact means being electrically connected to one of said contact clips, said contact means being operated to closed circuit position upon sliding movement of said casing and spring means biasing the contact means to open circuit position.

2,471,849
SHAKEOUT FOR COKE CHARGING CARS
Emmet W. Wallace, Canton, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application March 25, 1948, Serial No. 17,062
3 Claims. (Cl. 214—44)

1. A shaker comprising a rectangular frame having side members to rest on a hopper, a second rectangular frame above said first frame, springs supported by the first frame and supporting the second frame, a motor near one corner of the



second frame, a counterweight for the motor on the second frame near the corner diagonally opposite to the motor, and a rotatable, unbalanced body on the first frame and connected to the motor for rotation thereby.

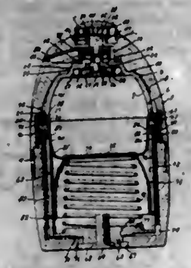
2,471,850
LIQUID POLYSILOXANE LUBRICANTS
Donald F. Wilcock, Saugus, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application September 25, 1946, Serial No. 699,356
5 Claims. (Cl. 252—49.6)

1. A lubricant having a low boundary friction coefficient which consists essentially of (1) a water-free liquid aliphatic-substituted polysiloxane containing an average of from about 1.9 to 2.5 aliphatic groups per silicon atom, the said aliphatic groups being selected from the class consisting of lower alkyl, lower alkenyl, and cyclic alkyl radicals, and (2) from about 0.05 to 5 per cent, by weight, based on the weight of (1), of an additive selected from the class of saturated aliphatic fatty acids containing from 8 to 14 carbon atoms.

2,471,851
MANUFACTURE OF HIGH-EXPLOSIVE COMPOSITIONS OR CHARGES
Harold Reginald Wright, West Kilbride, and James Taylor, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 15, 1944, Serial No. 549,639. In Great Britain August 18, 1943
5 Claims. (Cl. 52—22)

1. A process for the manufacture of detonating explosive compositions containing nitrocellulose, a crystalline high explosive compound sensitive to detonation by shock or friction selected from the group consisting of a solid crystalline nitric ester and a solid crystalline nitramine, and a liquid mixture comprising dinitrotoluenes and trinitrotoluene wherein the crystalline high explosive compound is in the predominating proportion and the nitrocellulose is in the least proportion which comprises forming a slurry of the crystalline high explosive compound and the nitrocellulose in cold water, admixing the said liquid mixture, and continuing the mixing operation until the nitrocellulose and the crystalline compound are converted into discrete aggregates, separating the thus formed aggregates from the bulk of the water without the application of pressure, and thereafter drying the aggregates.

2,471,852
DISPENSER WITH FLOW RESTRICTING VALVE
Robert Gordon Bau, North Hollywood, Calif.
Application July 19, 1947, Serial No. 762,679
3 Claims. (Cl. 222—95)

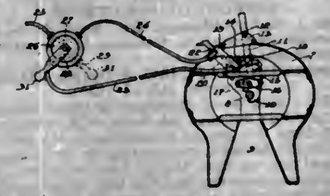


1. A dispenser comprising a casing having an outlet, a removable cartridge for said casing, an inwardly opening valve in said cartridge, a valve operator in said casing for said valve, and a second and inwardly closing valve on said operator, said cartridge having a port controlled by both of said valves, said outlet communicating with both of said valves.

2,471,853
CATALYTIC PARTIAL OXIDATION PROCESS
Leland K. Beach, Mountainside, and Gerald C. Connelly, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application February 5, 1946, Serial No. 645,714
8 Claims. (Cl. 260—342)

8. The method of partially oxidizing naphthalene to phthalic anhydride which comprises heating silica gel impregnated with about 30% of vanadium pentoxide to a temperature of about 870° C., and partially oxidizing naphthalene vapor in an oxidizing gas stream at an optimum reaction temperature between 400° C. and 550° C. in a short contact time of 0.05 to 0.5 second with suspended particles of the impregnated adsorbent modified by the heating.

2,471,854
FIFTH WHEEL LOCK FOR TRAILERS
Peter H. Bies and Finley Marvin Cruthers, McKeesport, Pa.
Application January 30, 1948, Serial No. 3,336
2 Claims. (Cl. 280—33.05)



1. Apparatus for latching and unlatching a retaining hook that is movable on the fifth wheel of a tractor truck to engage and disengage the king pin of a trailer, comprising a cylinder adapted for connection to a lower portion of the fifth wheel, a piston in the cylinder, rod-like elements carried by the piston and projecting through the ends of the cylinder, the element that projects from the forward end of the cylinder serving as a latch bolt to hold the retaining hook in coupled relation to the king pin, when the piston is in its forward position in the cylinder, and the element that projects from the rear end of the cylinder serving as a pull rod that can be manually drawn back to retract the piston and the latch bolt, for release of the retaining hook and means manually operable from the tractor, to admit fluid pressure to the front and rear ends of the cylinder, selectively.

2,471,855
METAL-PLATED PLASTIC BRUSH
William C. Bird, Northampton, Mass., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
Application March 15, 1944, Serial No. 526,502
2 Claims. (Cl. 15—159)



1. In a toilet brush, in combination, a unitary handle and back portion of a moldable plastic material plated with a metallic coat and having a recess formed in the underside of the back portion with relatively thin walls, the inside portion of said walls also being plated, and a bristle block adapted to be held in the recess, the sides of the block hiding the metal plated inner walls of the recess except for a smooth rounded portion thereof at the outer edge so that externally the metal plating of the completed brush appears to terminate in said smooth rounded margin.

2,471,856
LEAK-STOPPING COMPOSITIONS
Craig A. Blair, Hackettstown, N. J., assignor to "X" Laboratories, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 27, 1946, Serial No. 693,387
2 Claims. (Cl. 106—33)

1. A leak stopping composition for water-containing vessels including a quantity of finely divided fibrous material intimately mixed with a substantially greater quantity of the waste liquor from tanning operations in which quebracho, chestnut, mangrove, myrobalans and divi-divi have been used.

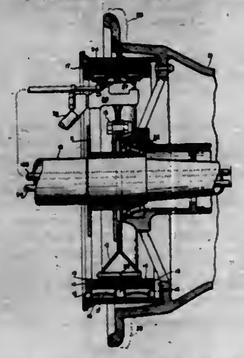
2,471,857
FLUTTER DAMPER
William M. Bleakney, Leon F. Zielinski, and Chester M. Edo, Burbank, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.
Application May 9, 1946, Serial No. 668,616
12 Claims. (Cl. 188—1)



1. A flutter damper adapted to suppress natural resonance vibrations in an airplane control

surface, comprising an inertia member, means for converting oscillatory movements of said control surface into rotary movements of said inertia member, means adapted to permit substantially friction-free axial movements of said inertia member in response to acceleration of said means, in either direction of rotation and braking means adapted to be engaged by acceleration induced axial movements of said inertia member whereby said flutter damper is adapted to respond only to control surface accelerations imposed on said first mentioned means.

2,471,858
BRAKE COOLING MEANS
John J. Bloomfield, Burbank, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Original application July 12, 1943, Serial No. 494,330. Divided and this application June 22, 1945, Serial No. 600,946
9 Claims. (Cl. 188—264)



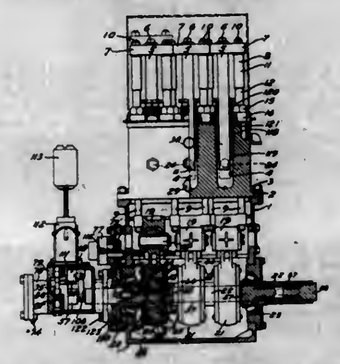
1. Cooling means for a brake mechanism having a drum presenting an internal braking surface, friction means for cooperating with said surface of the drum and a hydraulic pressure system operable to develop pressure for operating the friction means, the cooling means comprising an annular manifold within the drum for discharging water onto said surface of the drum having circumferentially spaced nozzles, water supply means, a pump operable to deliver water under pressure to said manifold, a conduit for conducting water from said supply means to the pump, and a valve in said conduit responsive to the pressure in said system to open when said pressure reaches a given valve.

2,471,859
PRESSURE REGULATING VALVE
Delphis C. Breault, Lowell, Mass.
Application November 18, 1944, Serial No. 564,005
1 Claim. (Cl. 277—64)



A valve comprising a housing having a chamber, a rotatable hollow sleeve therein, said sleeve being conical at one end and having an aperture in the conical portion, a fixed conical wall abutting the conical sleeve portion, an aperture through said wall for registry or selective partial or non-registry with the sleeve aperture, means to rotate the sleeve, means to yieldingly press the wall and conical sleeve portion together, a separate cap for the sleeve at the end thereof opposite the conical portion, said cap having an aperture therethrough, and a yielding closure for the cap aperture.

2,471,860
RECIPROCATING PUMP
Nelson E. Brigham, Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application April 22, 1944, Serial No. 532,271
22 Claims. (Cl. 103—38)

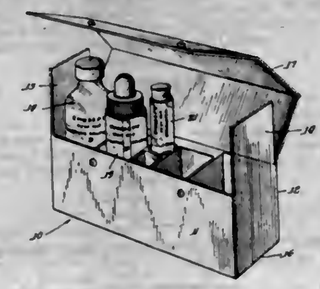


1. In a variable capacity pump, a cylinder, a reciprocating pumping plunger operating in said cylinder, a rotative driver, adjustable crank means carried by said driver and operatively connected with said plunger, a control rod operatively connected with said adjustable crank for varying its throw to change the stroke of said plunger, a pressure fluid circuit including a control cylinder, a piston on said control rod and operating in said cylinder, valve means for controlling the admission of pressure fluid into said control cylinder for moving said piston and the control rod, and means actuated by movement of said control rod for closing said valve upon admission of a predetermined amount of pressure fluid to said cylinder.

2,471,861
TESTING OF SOLUTIONS
Frank J. Cahn, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
Application May 14, 1945, Serial No. 593,623
7 Claims. (Cl. 23—230)

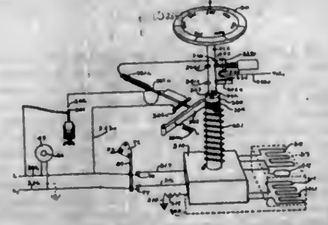
1. In a method of determining the concentration, in dilute aqueous solutions, of a member selected from the groups consisting of (1) cationic quaternary ammonium compounds containing a chain of not less than about 12 carbon atoms, and (2) anionic compounds of the type which contain an uninterrupted carbon chain of not less than about 12 carbon atoms and a radical selected from the group consisting of salts of sulfonates and sulfates, the steps which comprise providing a measured volume of a dilute aqueous solution

of a compound falling into one of said groups of compounds, admixing therewith a small proportion of dichlorofluorescein, and then titrating



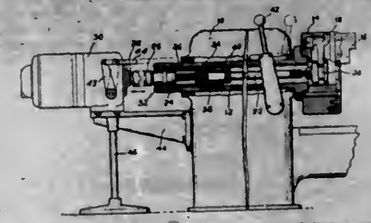
with a dilute aqueous solution of known concentration of a compound falling into the other of said groups of compounds.

2,471,862
TIME AND TEMPERATURE CONTROLLER FOR DOMESTIC APPLIANCES
Robert R. Candor, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application October 11, 1943, Serial No. 505,749, now Patent No. 2,451,069, dated October 12, 1948. Divided and this application August 17, 1945, Serial No. 610,998
6 Claims. (Cl. 219—20)



6. In a device of the character described, a source of heat energy, heating means, a thermostat controlling the flow of energy from said source to said heating means in response to temperature created by said heating means, thermostat adjusting means for said thermostat including a rotatable shaft movable from an off position to a heating position, a spring powered by movement of said shaft from said off position to said heating position, a timer having time adjusting means to set a heating time limit for said heating means, means releasing said spring at said time limit, means permitting said shaft to be returned manually from said heating position toward said off position to an intermediate heating position while maintaining said spring in powered condition, and means causing said spring to return said shaft from heating position to said off position.

2,471,863
POWER ACTUATED WRENCH
Albert E. Church, New Britain, Conn., assignor to Union Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application April 5, 1948, Serial No. 19,023
3 Claims. (Cl. 279—118)



1. A chuck actuating device comprising a spindle rotatably mounted within a headstock and having a chuck mounted on one end, a draw bar extending through said spindle and attached at one end to operating means for the jaws of said chuck, a splined member within said spindle secured to the opposite end of said draw bar, and power rotated means engaging said splined member, whereby rotation of said means axially moves said splined member and draw bar to open and close said jaws.

2,471,864
CIRCUMCISION CLAMP
Thomas P. De Palo, Framingham, Mass.
Application June 19, 1948, Serial No. 34,023
3 Claims. (Cl. 128—346)

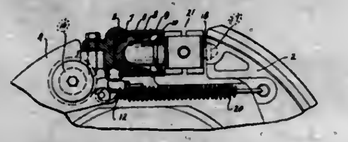


3. A surgical instrument for use in performing circumcisions comprising a hollow tubular body portion having an axial passage therethrough and a pair of outwardly yieldable clamping ring retaining arms at one end thereof, said arms being adapted to receive and retain between them a ring clamp element, a ring clamp element retained between said arms having a circular opening concentric to the axis of said passage, a clamp supporting member slidable through said passage and said opening, an inner clamp element circular in cross section and cooperating with said ring clamp element and removably supported by said supporting member, concentrically with the axis of said body portion, and having a cupped flaring outward glans penis receiving end, and a barbed prepuce retaining element also supported by said supporting member and adapted to retain a prepuce drawn over the outside of said inner clamp element, and thread means moving said clamp elements relatively together along said axis to clamp said prepuce.

2,471,865
DUAL BRAKE ADJUSTING MECHANISM
Albert Dieckmann, Normandy, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application May 3, 1945, Serial No. 591,668
10 Claims. (Cl. 188—79.5)

7. In a brake adjusting means, a pair of brake shoes arranged in tandem; means to actuate said

shoes; a first double wedge member operatively associated with said shoes; a second double wedge member operatively associated with said means; said members disposed opposite each other; said members having diverging faces disposed opposite each other and acting upon one shoe in said pair of shoes; an adjusting screw between said members; wedges on each end of said screw having wedge faces complemental to the faces on said double wedge members, one double wedge member acting upon one shoe in said pair of shoes; said wedges on said screw moving simultaneously toward or away from each other upon rotation of said screw to move said double wedge members toward or away from each other; the ends of said double wedge members adjusted relative to each other when said wedges are moved relatively to each other on said screw; and means on said screw engageable with each of said double wedge members to keep said wedges equidistant from the centers of said double wedge members.



2,471,866

RECLAIMING SYNTHETIC OLEFIN-POLY-OLEFIN-RUBBERY POLYMERS

Lawrence T. Eby, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 15, 1945, Serial No. 635,403

14 Claims. (Cl. 260—79)

1. The process for reclaiming a synthetic rubber polymer prepared by catalytically copolymerizing isobutylene and a polyolefin having from 4 to 10 carbon atoms per molecule at a polymerizing temperature within the range between −40° C. and −164° C. and which polymer is thereafter cured by reaction with sulfur, comprising the steps in combination of heating the cured polymer to a temperature within the range of 100° C. to 200° C. in the presence of a tertiary aliphatic mercaptan.

2,471,867

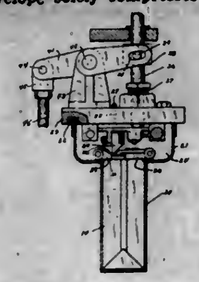
METHOD OF PROCESSING CHEESE AND PACKAGE THEREFOR

Franklin M. Fisher, New York, N. Y., and Harold C. Hopp, Des Plaines, Ill., assignors to Standard Cap and Seal Corporation, Chicago, Ill., a corporation of Virginia

Application December 26, 1945, Serial No. 637,264

1 Claim. (Cl. 99—116)

A method of knitting a mass of natural, unknitted, uncured cheese-curd in an envelope formed of non-hygroscopic material which consists in the steps of placing the envelope in a mold, filling the envelope with a quantity of natural, unknitted, uncured cheese, of thereafter evacuating air from the interior of the envelope and said mold, of hermetically closing and sealing the filled envelope, and of removing the sealed envelope from the mold and evacuating zone whereby the atmospheric pressure exterior of said envelope solely compresses the natural, unknitted, uncured cheese into a solid mass and causes knitting thereof.



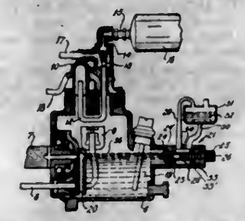
2,471,868

COMPRESSOR LUBRICATION SUPPLY MECHANISM

Cyril B. Fites, St. Johns, Me., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application August 20, 1947, Serial No. 769,685

9 Claims. (Cl. 230—206)



1. A mechanism for replenishing the oil supply in an air compressor comprising a casing for the compressor provided with an oil reservoir which is periodically subjected to variations in pressure; injector means to introduce oil into said casing; an oil source from which oil is supplied to said injector means; means to operate said injector means when the oil in the casing reservoir is subjected to variations in pressure to thereby inject oil into said casing reservoir; and means responsive to compressor pressure to prevent loss of pressure after each operation of said injector means.

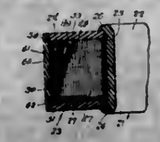
2,471,869

COIL CONSTRUCTION AND METHOD

Irving Gebel, Chicago, Ill., assignor to International Register Co., a corporation of Illinois

Application March 14, 1946, Serial No. 654,350

11 Claims. (Cl. 175—21)



1. An energizing coil for an electromagnetic device comprising, in combination, an insulating

spool, a coil of wire on said spool with the outer layer thereof on a bias so as to provide an annular lead receiving space between it and one rim of said spool, terminals for the ends of said coil disposed in insulated spaced relation in said space, and insulated leads connected to said terminals and extending annularly in opposite directions around said coil in said space.

2,471,870

OIL-RESISTANT COMPOSITION

Philip T. Gidley, Fairhaven, Mass., assignor, by mesne assignments, to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 10, 1944, Serial No. 562,905

4 Claims. (Cl. 260—28.5)

1. As a new composition of matter a curable mixture consisting of: 100 parts of a rubbery butadiene acrylonitrile copolymer, 100 parts of a resin selected from the group consisting of polyvinyl formal, polyvinyl acetal and polyvinyl butyral; about 10 parts of zinc oxide; about 2 parts of sulfur; about 45 to 50 parts of tricresyl phosphate; about 1.5 parts of a vulcanization accelerator; about 72–95 parts of a filler and 0.5 to 2 parts of anti-oxidant.

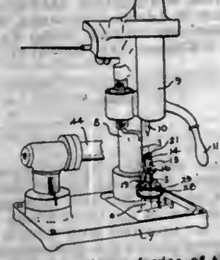
2,471,871

WORK SUPPORT FOR LENS DRILLING MACHINES

Charles T. Grant, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application August 7, 1944, Serial No. 548,389

9 Claims. (Cl. 77—63)



1. A work support for a device of the character described, said work support comprising a sleeve-like member adapted to fit over an upright formed on said device, said sleeve-like member having an end portion on which the work is to be rested, a lever pivotally connected with said sleeve-like member having an engagement portion adjacent one end thereof located adjacent the work supporting end of the sleeve-like member, a member rotatably mounted on said sleeve-like member having a cam portion and means on said lever member for engaging said cam portion.

2,471,872

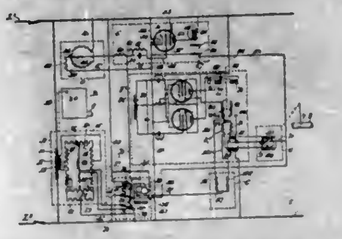
CONTROLLING SYSTEM FOR CONDITION REGULATORS

Walter Leslie Hunt, Philadelphia, Pa., assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application September 9, 1943, Serial No. 501,712

14 Claims. (Cl. 236—78)

3. In controlling systems, a device subject to a condition, means for varying the supply of condition-affecting-agent to the device, variable means the value of which varies as the condition of the device varies from a predetermined holding condition, a motor for actuating the supply varying means, means for moving the motor proportionately to the change of value of the variable means from its previous value, means for moving the motor in increments comprising a time function of the net deviation of the condition from the predetermined holding condition, said last means comprising a relay, a thermionic tube coupled to said relay and normally holding said relay out, a condenser having an adjustable grid leak and being in the grid circuit of said tube, means for increasing the charge on the condenser as a function of the net increase in deviation of the condition from the predetermined holding condition, so that the relay pulls in means for periodically discharging the condenser and nullifying the output of said tube so that the relay drops out, and means establishing a valve motor driven circuit during such dropping out of the relay.



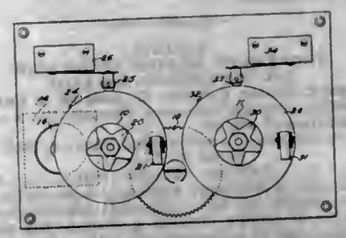
2,471,873

TIMER

Walter Leslie Hunt, Philadelphia, Pa., assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania

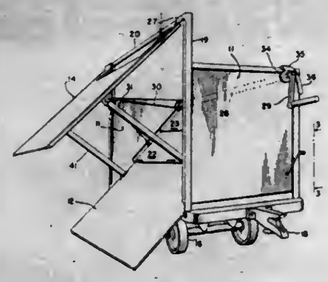
Application December 26, 1944, Serial No. 569,755

5 Claims. (Cl. 161—1)



1. A timer comprising a reversible synchronous motor, means for establishing an independent load circuit simultaneously with starting the said motor in one direction of running, means including two switch members for actuating a hold-in relay which is arranged to break the load circuit at the end of the timed interval when both of said switches are actuated simultaneously, means driven by said motor and pre-set for actuating the two switches simultaneously at the end of a timed interval and means responsive to running of the motor in the other direction of running for pre-setting the means driven by the motor for the start of said timed interval.

2,471,874
DUMP CAR
Harry W. Johns, Beverly Hills, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application August 22, 1945, Serial No. 611,943
5 Claims. (Cl. 298—26)

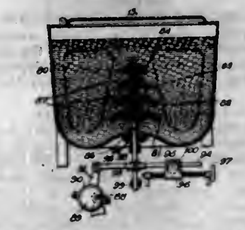


1. A dump car comprising spaced end walls, spaced front and rear side walls, the front side wall being supported from its upper end for outward swinging, the rear side wall including an upper section supported from its upper end for swinging in the same direction as the front side wall, and a lower section hingedly connected with the lower edge of the upper section, a bottom wall hingedly connected with the lower edge of said lower section, said walls defining a material containing compartment, link means connecting the front side wall and the bottom wall, the link means being of sufficient length to swing the front wall to a position in forwardly divergent relation to the bottom wall when the bottom wall is moved forwardly, and means for swinging said rear wall forwardly so that said rear wall and the bottom wall are brought to positions in a common inclined plane and the front side wall is swung forwardly to a position in generally parallel relation to said plane.

2,471,875
PROCESS OF MAKING STABILIZED JEL-TYPE HYDRATED LIME
Bruce E. Kester, Palatine, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application January 1, 1945, Serial No. 571,021
1 Claim. (Cl. 106—109)

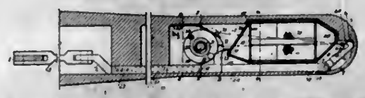
Process of producing a storage-stable hydrated lime product of high immediate plasticity and capable of rapidly forming a substantially non-slumping gel on admixture with water which comprises mixing about 5% of calcium sulfate dihydrate with a dolomitic lime hydrate in which the calcium oxide has been hydrated, pressure-hydrating the resulting mixture under steam pressure to hydrate the magnesium oxide component thereof and to convert the dihydrate into soluble anhydrite; drying the resulting product to a moisture content of between about 0.1% and about 1.0% and carbonating the same with a substance selected from the group consisting of carbon dioxide and soluble carbonates and bicarbonates to an extent to impart thereto a combined carbon dioxide content not exceeding about 5% by weight of the carbonated product.

2,471,876
CLOTHES-WASHING AND CLEANING MACHINE
George Kuhn, Silver Spring, Md., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application October 17, 1936, Serial No. 106,080. Divided and this application May 11, 1942, Serial No. 442,640
2 Claims. (Cl. 68—131)



1. Apparatus for treating articles with fluid comprising a tub, an outwardly flared washing element in said tub reciprocating in the axis of the flare of said element and producing toroidal circulation, power means connected to said element to impart oppositely directed rapid, rectilinear, short strokes thereto, said last named means having provisions for imparting faster strokes in the direction of the outward flare of said element than in the other.

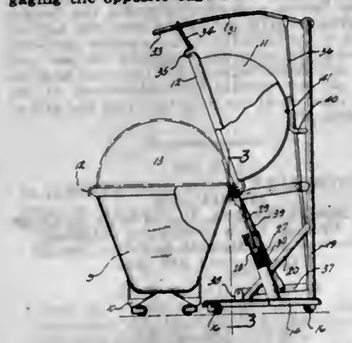
2,471,877
SHOE STITCHING MACHINE
Christy N. Lestakis, Portland, Oreg.
Application July 25, 1946, Serial No. 686,053
5 Claims. (Cl. 112—187)



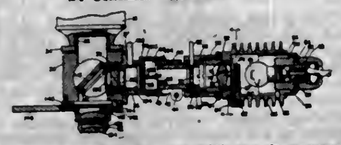
1. In a shoe stitching machine provided with a bobbin carrier, means for transferring a thread loop formed by said machine from one side of the bobbin carrier to the other which includes a reciprocable bar provided with a hook to engage a loop positioned on one side of the bobbin carrier, means for reciprocating the hook bar, a cam bar periodically operable by the hook bar, and means operable by the cam bar to remove a loop from the hook bar hook and to release it on the opposite side of the bobbin carrier.

2,471,878
LID LIFTER AND CARRIER
Albert M. Lewis, Detroit, Mich.
Application June 13, 1947, Serial No. 754,397
4 Claims. (Cl. 214—65.4)

1. A lid lifter and carrier of the class described, comprising: a base; traction members for supporting said base; a supporting member secured to and projecting upwardly from said base; a rocker swingably mounted at one end on said base and swingable upwardly and downwardly at its free end and normally positioned above said base; a pair of spaced apart arms mounted on said supporting member and swingable upwardly and downwardly at their outer ends; a lid engaging plate carried on the outer ends of said arms; a connecting rod for connecting said plate to said rocker; an engaging hook swingably mounted on said supporting member and overlying said base and said plate and swingable downwardly into position for engaging the edge of a lid to be lifted, said plate being adapted for engaging the opposite edge of said lid; a rod connecting said hook and the free end of said rocker for effecting, upon rocking movement of said rocker, simultaneous movement of said hook and said plate; and resilient means for normally retaining said swingably mounted arms in elevated relation and retaining said rocker in upwardly rocked position.

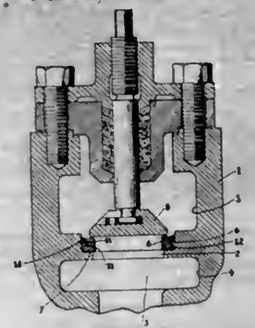


2,471,879
VERTICAL ILLUMINATOR
David D. Lowber, Snyder, and Leslie J. Peters, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 8, 1946, Serial No. 646,290
16 Claims. (Cl. 240—2)



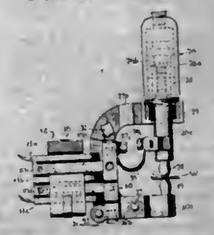
1. An illuminator for use with a microscope of the character described and having an adjustable slide and body tube, said illuminator having a body portion adapted to be detachably carried thereby and adapted to receive an objective lens system detachably secured to said body portion in optical alignment with said body tube, a tubular arm carried by said body portion, said arm comprising a stationary tubular part and a movable tubular part, a lamp housing carried by said movable part and containing a light bulb and condenser lens system therein, an apertured diaphragm carried by said movable tubular part, said light bulb being axially adjustable relative to said housing and condenser lens system, and said housing being axially adjustable relative to said movable tubular part for converging the light from said bulb toward the aperture of said diaphragm, and a reflector in said body portion for directing light from said light bulb through said objective and onto a specimen positioned for observation through said microscope, said movable tubular part being axially adjustable to allow imaging of said diaphragm at the plane of said specimen.

2,471,880
VALVE
Karl MacDonald, Wellsville, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application November 2, 1945, Serial No. 626,256
3 Claims. (Cl. 251—167)



3. A nozzle control valve for steam turbines as claimed in claim 2 wherein the portion of said valve seat adjacent to the bottom surface of said counterbore is of smaller diameter than the diameter of the spaced ribs and is free from engagement with the annular wall of the counterbore.

2,471,881
PORTABLE WELDING DEVICE
Matthew J. Manning and Paul F. Eisen, Detroit, Mich., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 14, 1948, Serial No. 38,603
6 Claims. (Cl. 219—4)

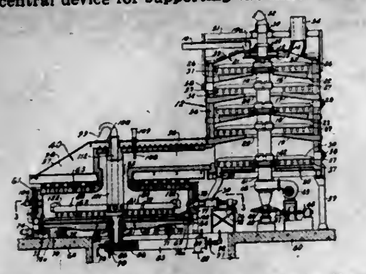


1. A portable welding device comprising in combination, a transformer including a secondary having a base portion and a loop extending transversely therefrom on one side, and a welding unit mounted on said secondary base portion on the side opposite said loop.

2,471,882
MEANS FOR CONVERTING MATERIAL
Warren S. Martin, Massapequa, N. Y.
Application May 7, 1948, Serial No. 667,872
11 Claims. (Cl. 263—26)

1. A calcining furnace comprising a peripheral wall, a rotary hearth having a central discharge port, a low flat roof having a central gas outlet, burners directed inwardly through said wall, stationary radial rabbling arms with longitudinal passages and rabble teeth projecting downwardly

therefrom to feed material to said central discharge port, means for introducing material through said wall to the outer part of said hearth, a central device for supporting the inner ends of



said arms and supplying air to the interior thereof, and means at said wall to support the outer ends of said arms and to supply the air therefrom to the burners.

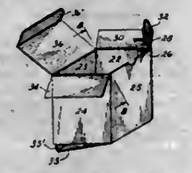
2,471,883

BOX AND CORNER LOCK THEREFOR

Paul W. Miessler, Lakewood, Ohio, assignor to The Hankins Container Company, Cleveland, Ohio, a corporation of Ohio

Application November 22, 1946, Serial No. 711,626

6 Claims. (Cl. 229—45)



1. A box blank of paperboard or the like including a series of side panel portions in adjoining relation, an overlap flap extending from the free end of one of the outer side panels of said series, corner lock tabs extending laterally from the opposite sides of said overlap flap and having inner edge portions disposed immediately adjacent the junction of said overlap flap and said one of said outer side panels, top and bottom end flaps extending laterally from the opposite sides of the other outer side panel of said series, and corner interlocking tabs extending longitudinally from the outer ends of each of said end flaps.

2,471,884

HEATED DENTAL INSTRUMENT TABLE

Edward L. Monnot, Canton, Ohio, assignor to The Weber Dental Manufacturing Company, Canton, Ohio, a corporation of Ohio

Application July 2, 1945, Serial No. 602,695

2 Claims. (Cl. 219—37)



2. In a dental instrument table, an under pan, means fixedly and non-rotatably mounting the under pan, the under pan including a contiuous upturned flange extending etirely around an upwardly and downwardly extending axis, a table top, means mounting the table top on the pan for rotation about the axis, and electric heating means located between the pan and the table top, the pan having a depending center pin having a longitudinal axis coinciding with the axis of rotation of the table top, and the center pin being included in the mounting means for the pan, and means interposed between the table top and the center pin for preventing displacement of the axis of rotation of the table top from the axis of the center pin.

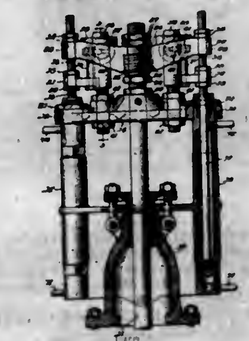
2,471,885

HYDRAULIC VALVE ACTUATING MECHANISM

Alfred Mueller, Berwyn, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application April 10, 1944, Serial No. 530,426

5 Claims. (Cl. 137—139)



1. In a valve actuating mechanism, the combination including a closure member and a stem therefore, hydraulic operating means for reciprocating the stem for seating and unseating the closure member, a stem actuating bar cooperating with the said stem and hydraulic operating means, resilient means operable upon seating of the closure member for yieldably resisting unseating movement of the closure member, latch means supported by the said stem actuating bar for automatically locking the closure member in its seated position, and means actuated by unseating movement of the hydraulic operating means for unlocking said latch means to permit unseating movement of the closure member.

2,471,886

CAMERA TRIPOD HEAD

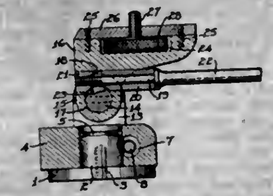
Ralph I. Nielsen, Los Angeles, Calif.

Application July 5, 1946, Serial No. 681,481

3 Claims. (Cl. 248—183)

1. A camera tripod head, comprising: a base member adapted for attachment to a tripod and having an upstanding journal; a lower body member revolubly mounted on said journal; an upper body member; hinge means connecting said upper body member to said lower body member for movement about a horizontal axis, said means including a journal; means defining a passageway extending in offset transverse relation to the axis of each of said journals; a clutch

means for each journal, including a clutch stem extending into each passageway, a clutch sleeve journalled on said stem a clutch nut threaded on said stem, the confronting ends of each nut and



its sleeve being beveled for engagement with their corresponding journal, each of said clutch means adapted to be tightened or loosened by rotation of its stem.

2,471,887

STABILIZED POLYMER

Joseph F. Nelson, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 21, 1945, Serial No. 611,909

4 Claims. (Cl. 260—93)

1. A composition of matter comprising in combination a copolymer of isobutylene with a multiolefin having from 4 to 6 carbon atoms per molecule and an indicated molecular weight above about 20,000 together with a polyalkylated monophenol having a methyl substituent in the para position and tertiary butyl substituents in both ortho positions.

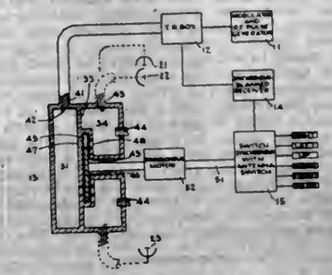
2,471,888

RADIO OBJECT LOCATION DEVICE

William H. Newbold, deceased, late of Langhorn, Pa., by Hannah M. Newbold, executrix, Langhorn, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application August 3, 1944, Serial No. 547,899

4 Claims. (Cl. 343—10)



3. In a proximity indicator system; a plurality of fixed antenna structures each having a predetermined space radiation pattern; a plurality of indicators, each individual to one of said antenna structures; a signal generating and reception circuit; a primary cavity resonator connected to said signal generating and reception circuit; a plurality of secondary cavity resonators, each of said secondary cavity resonators being individual to and connected to one of said antenna structures; means for successively coupling said secondary cavity resonators to said primary cavity resonator; and means for simultaneously connecting the associated indicator to said signal generating and reception circuit.

2,471,889

RUST PREVENTIVE COMPOSITIONS

Miriam A. Paliwoda, Bayonne, and Gordon W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application February 24, 1947, Serial No. 730,554

6 Claims. (Cl. 106—14)

3. A rust preventive composition consisting essentially of a major proportion of volatile hydrocarbon having a flash point between 90° and 120° F., a plasticizer, and 5 to 25% of an ester of a polyhydric alcohol selected from the group which consists of pentaerythritol and polypentaerythritol, said ester containing one esterifying radical of a saturated fatty acid having from 12 to 22 carbon atoms and three radicals of saturated carboxylic acid having 1 to 4 carbon atoms.

2,471,890

POLYMERIZATION OF ISOBUTYLENE IN THE PRESENCE OF CONTROLLED AMOUNTS OF PROMOTERS FOR THE REACTION

Frederick A. Palmer, Wooster, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

No Drawing. Application June 22, 1946, Serial No. 678,688

6 Claims. (Cl. 260—85.3)

1. A process for producing a polymer which includes the steps of forming a solution of an aluminum halide in an alkyl halide having a concentration in the range between 0.04 and 0.5 gram of aluminum halide per 100 cc. of solution, chilling the solution to a subatmospheric temperature, adding to the chilled solution an amount of a hydrogen halide in the range between 2 and 15 parts per million based on the alkyl halide, and admixing the chilled solution containing hydrogen halide to a moisture free mixture comprising tertiary olefin and alkyl halide chilled to a temperature in the range between —50° and —175° F. in an amount sufficient to polymerize said olefin.

2,471,891

TWO-WAY REGENERATIVE REPEATER

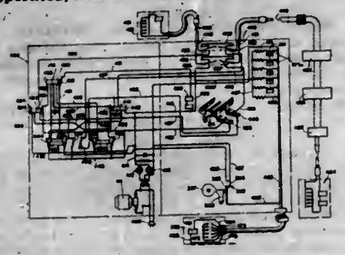
Louis M. Potts, deceased, late of Evanston, Ill., by Martha W. C. Potts, executrix, assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application September 18, 1944, Serial No. 554,637, now Patent No. 2,403,682, dated July 9, 1946, which is a division of application Serial No. 462,522, October 19, 1942, now Patent No. 2,403,679, dated July 9, 1946. Divided and this application February 28, 1946, Serial No. 650,981

1 Claim. (Cl. 178—71)

In a two-way regenerative repeater, a first line section, a second line section, a signal repeating contact means comprising a single signal receiving magnet and two repeating contacts controlled according to the signals received by said magnet, said contacts invariably operated in unison, one of said contacts invariably associated with one line section and the other of said contacts invariably associated with the other line section, a series of levers, one for each element of a code, said receiving magnet having its armature in op-

erative relation to said levers, means to operate said levers in timed relation to the corresponding elements of a signal received by said magnet, means to modify the motion of said levers according to the position of the armature when the lever is operated, means to operate said contact means



by said levers to transmit a signal corresponding to the signal received by said magnet, and means controlled by signals received in one line section to place a shunt on the contact associated with that line section, whereby only one of said repeating contacts is effective at a time dependent upon the direction of transmission.

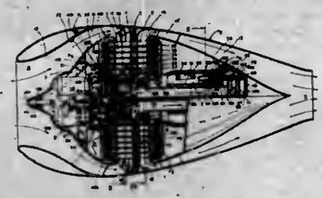
2,471,892

REACTIVE PROPULSION POWER PLANT HAVING RADIAL FLOW COMPRESSOR AND TURBINE MEANS

Nathan C. Price, Hollywood, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.

Application February 14, 1944, Serial No. 522,342

21 Claims. (Cl. 60—35.6)



7. In a turbo-compressor apparatus, a plurality of concentrically positioned radially intercommunicating squirrel-cage rotors in surrounding relation to one another, each of said rotors having a plurality of peripherally spaced longitudinally positioned impeller blades terminating in a common annular ring, said impeller blades in adjacent concentric rows having opposite angles of incidence for counter-rotation with respect to one another, and a single bearing means associated with each of said rotor rings for rotationally supporting each rotor for independent rotation.

14. In a gas reaction propulsive unit, a housing having a forward axial opening for the entrance of air and a rearwardly directed outlet nozzle for the discharging of gases in the form of a propulsive jet, a turbo-compressor in said housing, said turbo-compressor comprising a plurality of concentrically positioned radially intercommunicating rotors, each of said rotors having a plurality of peripherally spaced longitudinally positioned impeller elements, and each of said elements having a turbine blade portion and a compressor blade portion with all of the compressor blades of the same length and all of the turbine blades of the same length, forming thereby separate annular compressor and turbine flow channels of substantially uniform width throughout their radial dimensions, a combustion chamber substantially concentrically related to the axis of said rotors, an outer peripheral inlet to the compressor flow channel communicating with said forward inlet opening for flow of air radially inward through the concentric compressor blades in said compressor flow channel, an inwardly directed discharge from said compressor flow channel leading to said combustion chamber, an outwardly directed radial inlet to said turbine flow channel from said combustion chamber for expansive flow of gases radially outward through said turbine flow channel, and an annular passage leading from the periphery of said gas turbine flow channel and communicating with said rearwardly directed outlet nozzle.

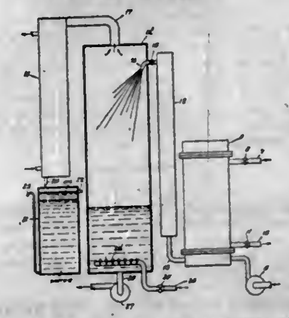
2,471,893

TREATMENT OF CITRUS WASTE PRESS WATER

George N. Pulley, Winter Haven, Fla., assignor to Feed Products Laboratories, Inc., Lake Alfred, Fla., a corporation of Florida

Application October 12, 1946, Serial No. 702,994

3 Claims. (Cl. 99—2)



1. The process of separating essential oils and at the same time precipitating scale-forming substances from press water derived from citrus cannery waste, which comprises, heating the press water to a temperature of at least about 215° F. thereby causing scale-forming substances to precipitate therein while at the same time causing the greater part of the essential oil content and a minor portion of the water content to form a vapor phase, flash spraying the thus heated and conditioned press water into a flash tank so as to separate the greater part of the essential oil content thereof along with a minor portion of the water content as flash vapor, condensing the vapors formed on spraying, and separating the essential oils from the condensate.

2,471,894

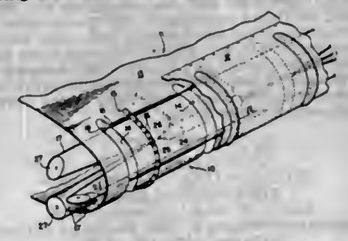
AIRFOIL ICE REMOVER

Wilfrid A. Pulver, Sherman Oaks, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.

Application February 3, 1947, Serial No. 725,998

2 Claims. (Cl. 244—134)

1. In combination with an aircraft airfoil such as a wing, ice removing arrangements including a resilient cover overlying the normal surface of the curved leading edge portion of said airfoil, and means for distorting said cover to loosen ice formed thereon, comprising a resilient carrier member adapted to conform to the curve of the leading edge of the covered portion of said airfoil and substantially coextensive with the cover, the resilient carrier member lying in a plane generally perpendicular to, and extending fore and aft with respect to, the airfoil, means for reciprocating said carrier member spanwise of said air-



foil and beneath the cover overlying the same, a series of rollers mounted on said carrier member and adapted to ride on the surface of said airfoil to progressively distort said cover as the carrier member is moved spanwise of the airfoil, the covered portion of said airfoil having a chordwise recess formed therein adapted to receive said carrier member and the rollers mounted therein in the initial or inactive position of said carrier.

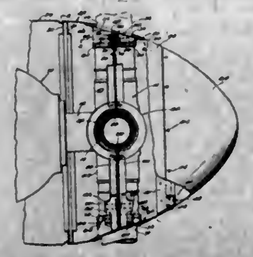
2,471,895

SPINNER MOUNTING

Edward W. Radtke, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application August 10, 1946, Serial No. 689,697

8 Claims. (Cl. 170—159)



1. In an airplane propeller assembly, a hub having radially extended blade shank receiving barrels, blades having their shanks extending into said barrels, extension sleeves secured to the free ends of said barrels, said sleeves having clamp locating mean accurately located with respect to the axis of rotation of the propeller, a spinner shell comprising a forward hollow cone section and a rear section forming an aft extension of said cone, said shell sections having complemental cutouts to receive said blade shanks, and means for detachably connecting said shell sections together and supporting the latter on said sleeves including a pair of clamping members at each blade shank location cooperating with the clamp locating means of said sleeves, one member of each pair being connected to a different shell section.

2,471,896

pH INDICATOR

James W. Ransom, Lansdowne, Pa.

No Drawing. Application July 31, 1946, Serial No. 687,525

7 Claims. (Cl. 23—230)

3. Process which comprises adding a relatively minute amount of the cooked juice of the garden-huckleberry to an aqueous solution and determining the pH of the solution by evaluating the color thereof relative to a predetermined standard.

2,471,897

FLUID MOTOR PACKING

Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application January 13, 1945, Serial No. 572,680

4 Claims. (Cl. 286—26)



1. A fluid motor having a chamber, an end wall of which is formed with an opening, a power transmitting member slidably extending through the wall opening, and a sealing gasket having an elongated body lying in sealing contact with the member and a relatively pliable pressure responsive base flange spreading out over the end wall with its wall opposing underface being dished and its peripheral edge normally seating upon the end wall, such base flange yielding into greater surface contact with the end wall when its underface is acted upon by the pressure differential between the inside and outside pressures.

2,471,898

RECLAMATION OF SELENIUM RECTIFIER CELLS

David W. Rau, Kirkwood, Mo., assignor to Vickers, Incorporated, a corporation of Michigan

No Drawing. Application April 10, 1947, Serial No. 740,719

5 Claims. (Cl. 175—368)

1. A method of treating finished selenium rectifier cells, which comprises dipping the cells in an electrolyte of an organic amine, removing said cells from the electrolyte aging the dipped cells for a period of 12 to 48 hours, and electrically forming the cells.

2,471,899

METHOD OF SEPARATING CONSTITUENTS OF ALLOYS BY FRACTIONAL CRYSTALLIZATION

Albert Regner, Prague, Czechoslovakia, assignor to Spolek pro chemickou a hutni vyrobu národní podnik-United Chemical and Metallurgical Works National Corporation, Prague, Czechoslovakia, a Czechoslovak company

No Drawing. Application March 1, 1947, Serial No. 731,872. In Czechoslovakia July 8, 1940

Section 1, Public Law 690, August 8, 1946

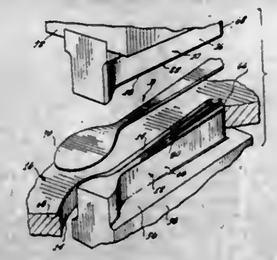
Patent expires July 8, 1960

2 Claims. (Cl. 75—63)

1. Process of separating an alloy adapted to be separated by fractional crystallization comprising the steps of preparing a melt of said alloy; then cooling a surface portion of said melt without

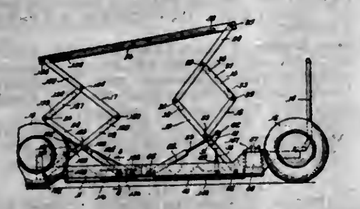
cooling the remainder thereof; and simultaneously therewith keeping said melt in constant movement so as to maintain a substantially uniform temperature and uniform melt composition throughout said remainder of said melt, and to cause an abrupt temperature drop between said remainder of said melt and said cooled surface portion, thus restricting the ensuing crystallization to said cooled surface portion.

2,471,900
METHOD OF PRODUCING FLATWARE
Fred S. Robinson, Yalesville, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation
Application June 5, 1947, Serial No. 752,815
4 Claims. (Cl. 76—105)



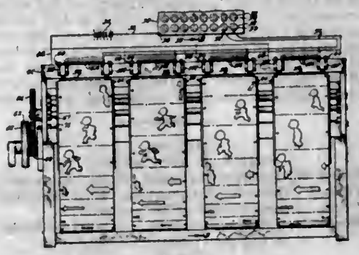
1. In the manufacture of articles of flatware such as spoons, forks, butter knives, and spreaders, cake knives, etc., from non-ferrous metal blanks, the method which comprises placing a peripherally shaped blank of variable thickness in a die opening closed at its peripheral side, with the edges of the handle-forming part of the blank lying close to and confined by the adjacent portions, respectively, of the side-closing wall of said opening, and striking said handle-forming part at the opposite sides thereof in said opening between diepunches operable on said part in said opening to shape said part to the desired form and to increase the thickness of the marginal side edges of the handle-forming part of the blank.

2,471,901
LOAD-LIFTING APPLIANCE
William A. Ross, Springfield, Ill., assignor to Weaver Manufacturing Company, Springfield, Ill., a corporation of Illinois
Application April 25, 1945, Serial No. 590,291
3 Claims. (Cl. 254—9)



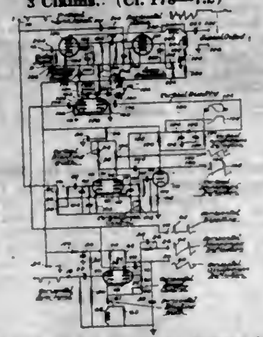
1. In a load-lifting appliance having a base, a load-carriage, a carriage elevating-and-lowering mechanism between said base and carriage at each the front and the rear of the carriage each including a pair of transversely registered pantograph-linkages hinged to said base and carriage, the novel combination of an arm rigidly outstanding laterally from each of the lowermost of the links of said linkages hinged to the base, a pair of hydraulic cylinders and their piston-rods hinged on said base facing one another and extending forwardly and rearwardly of the base, means rockingly connecting said piston-rods to the corresponding arms of said links, and means to govern fluid under pressure into and from said cylinders to expand and contract said linkages to elevate and lower said carriage, said arms extending upwardly from their links in the lowermost position of the latter.

2,471,902
ELECTRICALLY ILLUMINATED ADVERTISING DEVICE
George H. Rufle, Laurelton, N. Y.
Application October 3, 1946, Serial No. 701,044
4 Claims. (Cl. 177—350)



1. A flickerless, illuminated, animated display sign having a display field, said display field comprising a continuous array of separate translucent areas, electric lamp means for separately illuminating each said area, means for preferentially illuminating selected areas of the display field according to a predetermined animation pattern, and including control mechanism comprising a bank of at least two circuit closers, each circuit closer comprising an endless belt of conductive plates, a bank of sensing pins in each circuit closer and arranged in fixed relation to a reciprocating contact plate, each said sensing pin having individual line connections extending to individual lamps in the display field of the electric sign, the corresponding sensing pins of each bank having connections to a single lamp, means for intermittently advancing each belt of plates one plate length between the contact plates and the sensing pins, separate locking means operable by the belt-advancing means to hold a plate in position, means for moving the contact plates and force the so-positioned superjacent belt plates into contact with the banks of sensing pins, masking indicia on each plate defining a completed picture, the said circuit closers respectively carrying sequential image defining masks, and means to progressively actuate plates of the said several circuit closers in predetermined sequence, each successive circuit closer operable to effect circuit closing during the terminal dwell of the immediately preceding circuit closer whereby to effect flickerless animation.

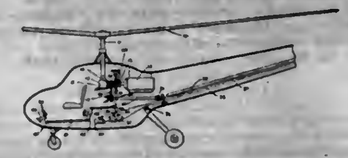
2,471,903
VERTICAL BLANKING CIRCUIT FOR TELEVISION TRANSMITTER SYSTEMS
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application December 31, 1941, Serial No. 425,083. Divided and this application December 29, 1944, Serial No. 570,369
3 Claims. (Cl. 178—7.2)



3. A television transmitting system including a source of vertical synchronizing impulses, a multi-vibrator including a first and a second electron discharge tube, each including a cathode, a control electrode and an anode, means including separate load impedances for maintaining the anodes of the electron discharge tubes positive with respect to their associated cathodes, a condenser coupling the anode of the first electron discharge tube to the control electrode of the second electron discharge tube, means including a time delay circuit for applying the vertical synchronizing impulses to the control electrode of the first electron discharge tube to generate delayed voltage variations of a predetermined amplitude and duration at the anode of said tube, circuit means to further delay the produced delayed voltage variations, a third electron discharge tube including a cathode, a control electrode and an anode, a load impedance for maintaining the anode of said third electron discharge tube positive with respect to its cathode, means for applying the undelayed vertical synchronizing impulses to the control electrode of the third electron discharge tube to generate voltage variations of a predetermined amplitude and duration at the anode of said tube, means for combining the further delayed voltage variations generated at the anodes of the first and the third electron discharge tube to produce vertical blanking control impulses having a predetermined amplitude and time duration, and an electron storage device connected between the anode of said second electron discharge tube and a point of fixed potential whereby voltage variations of substantially sawtooth wave form may be derived from the anode of said second electron discharge tube.

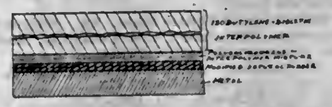
2,471,904
HELICOPTER ROTOR DRIVE AND CONTROL SYSTEM
Charles M. Seibel, Wichita, Kans.
Application September 11, 1947, Serial No. 773,328
12 Claims. (Cl. 170—135.23)

1. In a helicopter, the combination comprising: A vertical lift rotor; variable means for counteracting the torque created by the powered rotation of said rotor; disconnectible means through which power is transmitted to the rotor;



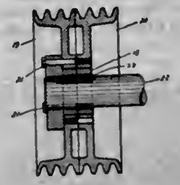
a pilot's control for the disconnectible means; and means operably connecting said pilot's control to the variable torque counteracting means.

2,471,905
ADHESION OF BUTYL RUBBER TO METAL
Winthrope C. Smith, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 1, 1944, Serial No. 520,712
10 Claims. (Cl. 154—130)



2. In a process of adhering isoolefin-diolefin interpolymer to metal, the improvement which comprises coating the metal with an adherent film of modified rubber, adhering to said film a layer in which polychloroprene is mixed with isoolefin-diolefin interpolymer, applying to said layer a layer of isoolefin-diolefin interpolymer, and curing the interpolymer in said layers while curing the polychloroprene mixed with the interpolymer in the first-mentioned layer into a unitary mutually adherent.

2,471,906
PULLEY
Paul A. Smith, Mars, Pa.
Application July 27, 1946, Serial No. 686,699
3 Claims. (Cl. 74—230.3)



3. A power-transmitting unit comprising a pulley having a central opening surrounded by a rib that is provided with holes that extend axially therethrough, a hub fitting within the opening and adapted for connection to a shaft, a flange on the hub engaging an end face of the rib, screws extending through the flange and through the holes in the rib, and means for rigidly connecting the screws to the rib, the said means comprising a second pulley on the inner portion of the hub and having detachable connection with the said screws.

2,471,907

METHOD OF AND MATERIAL FOR INCREASING THE CORROSION RESISTANCE OF FERRIFEROUS METALS

Eugene Snyder, Philadelphia, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

No Drawing. Application April 1, 1948, Serial No. 18,505
7 Claims. (Cl. 148—6.15)

1. In the art of coating ferriferous metal to increase its corrosion resistance the method which includes the step of treating the surface with a bath the essential coating-producing ingredients of which consist of an aqueous solution of phosphate from the class which consists of alkali metals and ammonium, said solution also containing from about 0.0005% to 0.05% by weight of the total treating solution of soluble chlorite calculated as $NaClO_2$ and the pH of said solution being from approximately 4.5 to approximately 6.5.

2,471,908

METHOD OF AND MATERIAL FOR PREPARING SURFACES OF FERRIFEROUS METALS FOR THE RECEPTION OF A SICCATIVE FINISHING COAT

Eugene Snyder, Philadelphia, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

No Drawing. Application April 8, 1948, Serial No. 19,573
7 Claims. (Cl. 148—6.15)

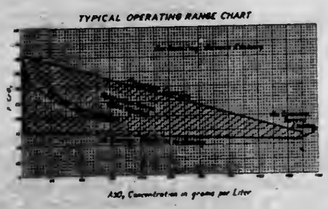
1. In the art of coating ferriferous metal the method which includes the step of treating the surface with a composition the essential coating-producing ingredients of which consist of an aqueous solution of phosphate from the class which consists of alkali metals and ammonium, said solution also containing a quantity of soluble peroxygen compound sufficient to give an available oxygen per cent by weight of the total treating solution of from about 0.008% to about 0.00016% and the pH of said solution being from approximately 4.5 to 6.

2,471,909

METHOD AND MATERIALS FOR PRODUCING COATED ALUMINUM

Frank Palin Spruance, Jr., Ambler, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

Application March 9, 1946, Serial No. 653,418
9 Claims. (Cl. 148—6.2)



9. A process for coating aluminum consisting in treating the metal with an acid aqueous solution the essential, active, coating-producing ingredients of which are fluoride ion, dichromate ion, arsenate ion and hydrogen ion, the ions being present in amounts stoichiometrically equivalent to

	Grams per liter
Fluorine	0.9 to 12.5
Chromic acid (CrO_3)	3.75 to 60.0
Arsenate (AsO_4)	3.24 to 462

the ratio of fluoride ion to dichromate, expressed as $F : CrO_3$, being between 0.135 and 0.405; the pH of the solution being between about 1.4 and 2.8, as measured by the lowest value indicated by a glass-electrode pH meter within the first ten minutes of immersion of the electrode in the solution, and heating the treated metal to at least partially dehydrate the coating formed by the solution.

2,471,910

APRON

Ernest N. Stanton, Grosse Ile, Mich.

Application April 23, 1947, Serial No. 743,310
2 Claims. (Cl. 2—52)



2. In a device of the character described, including an apron, a belt secured to said apron, said belt having sufficient length to extend substantially about the body of a person, said belt consisting of an outside section which is secured to said apron and an inside section which is secured to said outside section along the top marginal edge and at spaced intervals positioned at right angles to said top marginal edge, whereby to form a plurality of inverted pockets adapted to accommodate the undulations of a spring wire member.

2,471,911

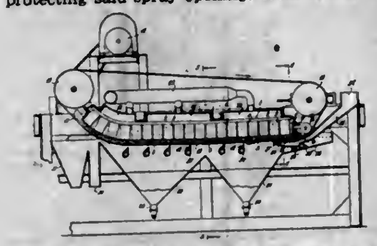
MAGNETIC SEPARATOR

Roswell H. Stearns, Wauwatosa, Wis., assignor to Stearns Magnetic Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin

Application August 30, 1944, Serial No. 551,802
1 Claim. (Cl. 209—225)

A magnetic separator comprising a liquid containing tank, an endless belt having a lower stretch passing through the liquid in said tank, means for driving said belt, feed means at one end of said separator for feeding material to the under side of said belt, a plurality of magnets having rows of pole pieces extending transversely across said belt, said rows of pole pieces being spaced lengthwise of said belt and being of opposite polarity and having portions intermeshing with and spaced from portions of adjacent rows to provide a zone of changing polarity to produce zones of greatest agitation for magnetic material clinging to the under side of said belt, spray means directed towards said belt to produce circulation

of the liquid adjacent the zones of greatest agitation, said spray means including pipes extending transversely across said tank and having upwardly directed spaced spray openings and slanting baffles overhanging said spray openings and protecting said spray openings from falling ma-



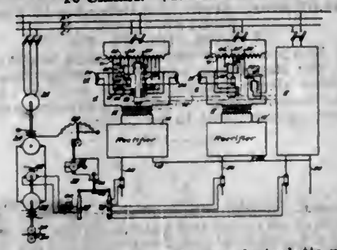
terial and serving to spread and direct a thin, substantially uniform sheet of water against the under side of said belt, said belt having a discharge portion at a point beyond said pole pieces, and means for receiving concentrates from the discharge portion of said belt.

2,471,912

CONTROL OF ELECTROLYTIC PROCESSES

Glenn E. Stoltz, Pittsburgh 18, John R. Erbe, Mount Lebanon, and Ralph A. Geiselman, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 8, 1942, Serial No. 468,216
10 Claims. (Cl. 204—211)



1. In a control system for an electrolytic process, means for supplying variable amounts of current for the process, means for effecting the travel of a length of material through the electrolytic process at different speeds, and means jointly responsive to the current flow in the electrolytic process and the speed of travel of the length of material through the process for so controlling said second-mentioned means as to maintain a predetermined ratio of speed and current.

2,471,913

TREATMENT OF SOLID DILUENT IN HYDROCARBON SYNTHESIS PROCESS

Simpson D. Sumerford, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application February 27, 1947, Serial No. 731,406
3 Claims. (Cl. 260—449.6)

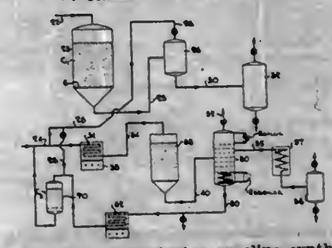
1. In a hydrocarbon synthesis process wherein carbon monoxide and hydrogen react in a synthesis zone in the presence of an iron type catalyst to form hydrocarbon constituents containing more than one carbon atom in the molecule and wherein said iron catalyst disintegrates due to carbon formation resulting in loss of catalyst fluidity, the improvement which comprises using with said fluidized catalyst an inert fluidizable solid siliceous diluent which has previously been treated with an acid.

2,471,914

SYNTHESIZING HYDROCARBONS

Sumner B. Sweetser, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application February 14, 1945, Serial No. 577,822
7 Claims. (Cl. 196—52)



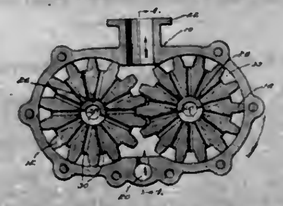
1. A method of producing gasoline synthetically which comprises causing a mixture of carbon monoxide and hydrogen to contact at elevated temperature a suitable powdered synthesis catalyst formed into a dense, fluidized suspension with the synthesis gases in the synthesis zone to form a quantity of hydrocarbons boiling in both the gasoline and gas oil ranges, withdrawing the product from the synthesis zone, fractionating the product to form a naphtha fraction containing all the normally liquid hydrocarbons boiling up to about 400° F. and a gas oil fraction boiling about about 400° F. up to about 860° F., subjecting said naphtha fraction as a whole to aromatization, subjecting said gas oil fraction to a catalytic treatment involving cracking and recovering from the aromatization and the catalytic treatment involving cracking a quantity of gasoline of improved octane rating.

2,471,915

GEAR PUMP

Alfred B. Thacher, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

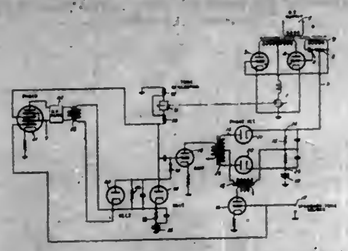
Application December 24, 1946, Serial No. 718,137
11 Claims. (Cl. 103—2)



2. A pump comprising a casing, a pair of intermeshing gears rotatably mounted therein, a discharge passage for said casing, a main intake passage and supplementary intake passages for

said casing, said supplementary intake passages extending from said main intake passage centrally within said gears and being open as successive angularly spaced radially extending passages within said gears have their outer ends in communication with the intake side of said casing.

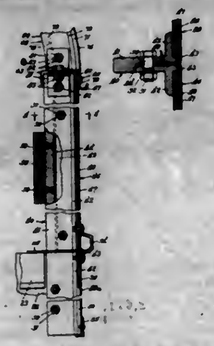
2,471,916
MOTOR SPEED CONTROL
Philip E. Veit, Orange, N. J., assignor to Finch Telecommunications, Inc., Passaic, N. J., a corporation of Delaware
Application March 19, 1947, Serial No. 735,752
8 Claims. (Cl. 318—345)



8. In a speed control system for controlling the speed of a motor, a frequency generator connected to said motor and generating a signal frequency in accordance with the speed of said motor, a standard frequency, a pair of diodes, a first amplifier tube, circuit connections including said amplifier tube from said source of standard frequency to the input of said diodes for alternately rendering said diodes conductive, a second amplifier tube, circuit connections including said second amplifier tube from said frequency generator to the plates of said diodes for varying the output of said diodes as they become conductive in accordance with the phase relation between the signal of said frequency generator and said standard frequency, a pair of gaseous discharge tubes, each having a cathode, grid and anode, means including the output circuits of said diodes to the grids of said gaseous discharge tubes for controlling the period of discharge of said tubes, means including circuit connections from the output circuit of said gaseous discharge tubes to the motor whose speed is being controlled for driving said motor, and means for normally biasing said second amplifier tube below cut-off, and circuit connections including means responsive to a speed of said motor for controlling said last mentioned biasing means to place a bias which is not as great as the cut-off in said second amplifier tube when said motor speed approximates normal speed.

2,471,917
TRUCK BODY COMPRISING REMOVABLE PANELS
Perry J. Wilson, New Paltz, N. Y., assignor to Electric Boat Company, Groton, Conn., a corporation of New Jersey
Application August 7, 1946, Serial No. 689,052
5 Claims. (Cl. 296—28)

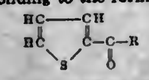
1. In a truck body construction, a floor structure, uprights of substantially T cross section secured to said structure extending upward therefrom respectively comprising a stem having a head at one end and an element projecting beyond said head oppositely to said stem as a continuation of the latter, said uprights respectively having therein a lengthwise slot opening through said element providing at each side of said slot a rib extending lengthwise of and projecting beyond said head, and panels extending between said uprights seating at their side portions on



said heads with their sides in close proximity to said ribs, said panels having lateral projections extending across said ribs provided with flanges extending into and removably secured in said slots.

2,471,918
ELECTRODEPOSITION OF COPPER
Karl S. Willson and David G. Ellis, Cleveland, Ohio, assignors to The Harshaw Chemical Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 12, 1946, Serial No. 715,626
3 Claims. (Cl. 204—52)

1. In a process for electrodepositing bright copper, the step which comprises electrolyzing an aqueous alkaline copper cyanide solution and a minor proportion of a soluble acyl thiophene compound corresponding to the formula



where R represents a radical of the class consisting of alkyl and aryl radicals having not more than six carbon atoms, the copper cyanide concentration being from 30 to 150 grams per liter and the concentration of the acyl thiophene compound being from 0.10 to 3.75 grams per liter.

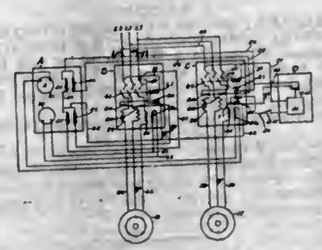
2,471,919
SIGNALING MAILBOX
Giuseppe Alfisi, Springfield, Mass.
Application February 17, 1948, Serial No. 8,830
4 Claims. (Cl. 206—57)

3. In a mail box an inwardly opening upper hinged door, an outwardly opening lower hinged door, a pivotally mounted receptacle within the box, yieldable means which return the receptacle into its non-receiving position, and circuit closing means on the box in operative relation to said receptacle, a latch within the box, latch releasing means on the lower door, the provision and arrangement being such that opening movement of the upper door causes pivotal movement of the receptacle into engagement with the latch to be held in a mail-receiving position thereby actuating said circuit closing means and opening movement of the lower door causes the latch releasing means to disengage the receptacle for movement into its non-receiving position by said yieldable



means thereby enabling said circuit closing means to open.

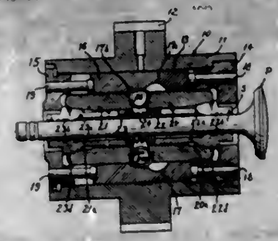
2,471,920
CONTINUOUS PRESS
Raymond T. Anderson, Lakewood, Ohio, assignor, by mesne assignments, to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application November 21, 1945, Serial No. 630,057
3 Claims. (Cl. 318—434)



1. Control means for a motor system which includes a service motor and a feed motor cooperating therewith and provided with a starting and maintaining circuit, comprisng an overload relay in the feed motor circuit, means responsive to said overload relay for opening the feed motor circuit and stopping the feed motor when overloaded, and means rendered effective by thus opening the feed motor circuit and effective upon reduction in load upon the service motor to thereby close the feed motor circuit and restart the feed motor.

2,471,921
SPRING LOADED COLLET CHUCKING ASSEMBLY
Thomas J. Ashdown, East Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application April 25, 1946, Serial No. 664,897
6 Claims. (Cl. 279—50)

1. A chuck assembly comprising a collet adapted to grip and release an inserted workpiece, a shiftable member arranged to move said collet into gripping position and to release said collet from gripping position, a spring device for shifting said member, and an actuator for loading said spring device to effect shifting of the member, said spring device adapted to absorb excess

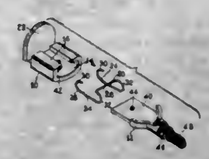


movement imparted thereto by said actuator for preventing damage to said shiftable member.

2,471,922
PRODUCTION OF AROMATIC DERIVATIVES
William N. Axe, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application June 22, 1944, Serial No. 541,663
6 Claims. (Cl. 260—671)

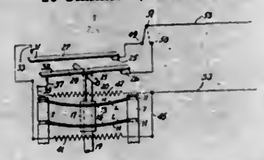
5. A process for the production of a normal aliphatic derivative of an aromatic compound, which comprises reacting an alkenylatable aromatic compound with a normal 1,3-diolefin at a reaction temperature not greater than about 150° F. and under a pressure sufficient to maintain the reactants substantially in liquid phase, with a molal excess of said aromatic compound, in the presence of a catalyst comprising a complex resulting from saturating orthophosphoric acid with boron trifluoride, and recovering from effluents of said reaction a hydrocarbon fraction comprising an alkenyl derivative of said aromatic compound so produced.

2,471,923
ELECTRIC CONNECTOR WITH SPRING WIRE
Hugh W. Batcheller, Newton Highlands, Mass., assignor to Ark-Les Switch Corporation, Watertown, Mass., a corporation of Massachusetts
Application May 29, 1948, Serial No. 29,970
1 Claim. (Cl. 173—363)



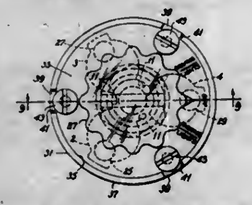
A member of an electric connecter comprising a substantially rigid channel with a metallic bottom and inturned flanges overhanging said bottom, and a U-shaped piece of spring wire mounted on said channel with a portion extending longitudinally under each of said flanges, each said portion being downwardly bowed to be convex toward said bottom and bent up at its ends to engage the ends of the respective flanges whereby to maintain said spring element assembled with said channel.

2,471,924
THERMAL RELAY
John D. Bolesky, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application July 10, 1943, Serial No. 494,173
10 Claims. (Cl. 60—23)



1. A thermal relay comprising an ambient-temperature-compensated thermostatic means embodying two inherently snap-acting thermostatic plates arranged so that snap movement of one opposes snap movement of the other, said plates being coupled for conjoint snap movement, a first electrical heating circuit including a first switch for heating one of said plates to snap both plates from a first position to a second position, a second electrical heating circuit including a second switch for heating the other plate to snap both plates from their second position to their first position, and switch actuating means controlled by said thermostatic means adapted in the first position of said plates to close the first switch and open the second switch, and in the second position of said plates to close the second switch and open the first switch.

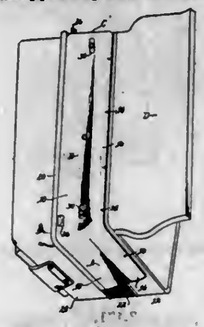
2,471,925
THERMAL SWITCH
John D. Bolesky, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application December 23, 1944, Serial No. 569,467
17 Claims. (Cl. 200—113)



1. A thermostatic element for the protection of a plurality of circuits comprising a plurality of automatically resettable snap-acting thermostatic plates, a rigid mounting, said plates being joined together at said mounting in stress-isolated relation so that stresses in any one plate are substantially independent of stresses in any other plate, whereby any one plate retains its automatic reset characteristic regardless of the condition of any other plate.

2,471,926
SUPPORT AND GUARD FOR ACCORDIONS
William S. Borek, Worcester, Mass.
Application April 9, 1946, Serial No. 660,754
1 Claim. (Cl. 84—376)

An accordion bellows guard comprising a generally U-shaped sheet of rigid material, the sheet extending normal to the general plane of the U and being flat for a distance inwardly from one edge, the flat portion terminating in an offset portion along one leg of the U, the offset portion gradually diminishing toward the other leg of the U and disappearing adjacent said other leg,



the latter being flat across the entire width thereof, and spaced means along the flat portion of the entire guard for fastening the latter to a keyboard box of an accordion with the offset portion overlying the bellows thereof.

2,471,927
PREPARATION OF METHACRYLONITRILE FROM α-AMINOISOBUTYRALDOXIMES
Newman M. Bortnick, Philadelphia, and Darrel J. Butterbaugh, Abington, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 18, 1947, Serial No. 792,598
6 Claims. (Cl. 260—465.9)

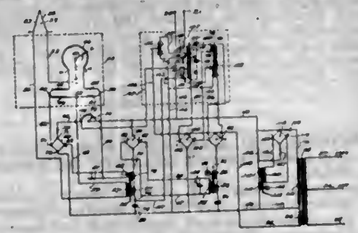
1. The process of preparing methacrylonitrile which comprises heating an α-dialkylaminoisobutyraldoxime at 275° to 425° C. in the presence of a dehydrating catalyst.

2,471,928
PREPARATION OF METHACRYLONITRILE
Newman M. Bortnick and George W. Cannon, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 18, 1947, Serial No. 792,599
18 Claims. (Cl. 260—465.9)

1. A process for preparing methacrylonitrile which comprises decomposing the dimeric addition product of isobutylene and nitrosyl chloride by treating it at a temperature between 110° and 350° C. with an amine, whereby methacrylonitrile is formed, and separating the methacrylonitrile.

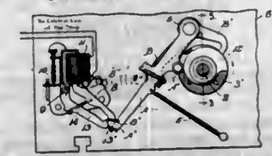
2,471,929
HEATER CONTROLLING CIRCUIT
Victor W. Breitenstein, Chicago, Ill., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application February 11, 1944, Serial No. 521,961
18 Claims. (Cl. 236—78)

6. In a heater controlling circuit, the combination of a thermocouple and a potentiometer for controlling a first stage trigger circuit, with a second stage amplifying circuit for increasing the current output, relay means controlled by said second stage for controlling the on and off heating and cooling periods of a heater, and means for changing the characteristics of energization



of the trigger control circuit so that the heater is turned off at a predetermined lower operating point than the set temperature desired.

2,471,930
SHIP'S LOG TRANSMISSION REGULATOR
Edwin F. Britten, Jr., Short Hills, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application February 4, 1944, Serial No. 521,090
3 Claims. (Cl. 73—178)



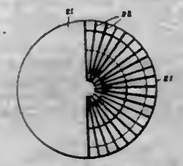
2. In a device of the character described, a drive shaft, a driven shaft, a constantly rotating motor for rotating said drive shaft, a cyclic clutch interposed between the drive and driven shafts, said clutch having a ratchet wheel fast upon the drive shaft and an annular casing fast upon the driven shaft and provided with a spring-urged pawl adapted to engage said ratchet wheel to render the clutch effective, and means for rendering said clutch successively effective and ineffective to rotate the driven shaft intermittently comprising a clutch-detent compound lever one member of which has a spring-urging connection with the stationary framing and the other member of which has a spring-urging connection with the first-named member and engagement with said pawl to render the clutch normally ineffective, a latch engaging the first-named member to maintain it in normal position with said other member engaged with said pawl, and an electromagnet wired to the circuit making and breaking means of the electric log of a marine vessel, said latch including an armature for said magnet and being released upon energization of said magnet to release said pawl and render the clutch effective, said other member having riding engagement with the periphery of said casing throughout the clutch cycle and re-engagement with said pawl at the end of the cycle to render the clutch again ineffective, a cam upon the driven shaft for restoring said detent to normal position during the clutch cycle, and a secondary latch engaging the restored detent to maintain the same in normal position engaged with said pawl to render the clutch ineffective at the end of the cycle irrespective of deenergization of said magnet at such time.

2,471,931
WELDING ELECTRODE FOR HARD FACING
René Castro, Ugine, and André Lebet, Albertville, France, assignors to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France, a corporation of France
Application August 9, 1945, Serial No. 609,852
In France October 8, 1943
6 Claims. (Cl. 219—8)



1. A supply rod composition comprising an intimate mixture of an oxidised compound of a metal selected from the group consisting of tungsten, molybdenum, tantalum, titanium, vanadium, columbium, hafnium and zirconium, an iron alloy adapted to form a metallic binding medium for the carbide of the selected metal, a proportion of carbon large enough to reduce the oxidised compound and to form a carbide with the reduced metal, and an agglomerating binder adapted to form no residuum when heated to the melting temperature of the metallic binding medium.

2,471,932
MOLDED PULP APPARATUS AND METHOD
Merle P. Chaplin, South Portland, Maine
Continuation of application Serial No. 135,033, April 5, 1937. This application December 23, 1941, Serial No. 424,205
24 Claims. (Cl. 92—54)

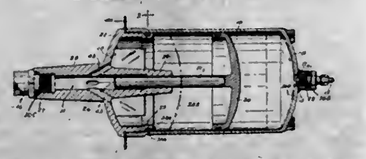


1. A die for forming fibrous pulp articles from a mixture of fibres and water, comprising a perforated moulding portion and an imperforate chamber forming portion, a forming screen clamped between walls of said moulding and forming portions, said chamber forming portion presenting a shoulder of such shape and size as to limit and maintain the thickness of the moulded article at its edge reduced with respect to the thickness of the main wall of the article.

16. The method of producing a molded pulp article which consists in depositing a pulp article on a suitable forming die, thereafter transferring the thus formed article to and between a pair of cooperating pressure dies, one of which is a smooth surfaced imperforate die directly contacting with one surface of the article and the other of which is a smooth surfaced die also directly contacting with the article and having in its smooth article contacting surface narrow vapor escape ducts of a depth greatly exceeding their width and extending in the direction of the

draw of this pressure die forcing said pressure dies against the opposite faces of the article under sufficient power to force portions of the article which are in juxtaposition with said ducts to project into and for a portion only of the depth of the latter and form on said article projecting ribs, and heating at least one of said pressure dies while the article is under compression between them to heat-dry said article at least sufficiently to render the resulting structure permanent.

2,471,933
SEALING DEVICE
Niels A. Christensen, South Euclid, Ohio
Original application May 26, 1943, Serial No. 488,530. Divided and this application April 12, 1945, Serial No. 587,981
1 Claim. (Cl. 285—154)



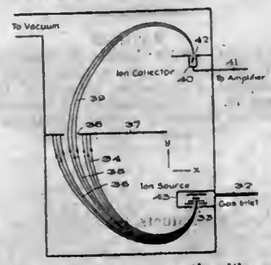
The combination of a hollow member adapted to contain fluid under pressure, a member attached thereto and stationary therewith, said member having a recess opening outwardly therefrom, a packing element in the recess and comprising a resilient ring normally substantially circular in cross-section, and acting alone in the recess, the depth of the recess being smaller than the normal cross-sectional diameter of the ring, whereby the ring is deformed into an ellipsoidal cross-section, the recess having a width greater than the longest cross-sectional dimension of the deformed ring, whereby the ring may be shifted the recess by fluid pressure in the hollow member, and a coupling member extending through said ring and having a threaded connection with said first-mentioned member.

2,471,934
ABRASIVE WHEEL
Joseph Chudner, New York, N. Y.
Application January 24, 1948, Serial No. 4,137
4 Claims. (Cl. 51—194)



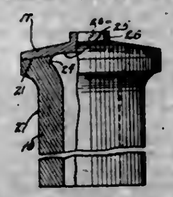
1. A wheel composed of a pair of mating sections hingedly connected at their peripheral portions, a fixed arbor and an abutment on one of said sections, a threaded pin fixed on the other one of said sections, and a rotatable and axially movable nut surrounding one end of the arbor for threaded engagement with the pin and also disengagement therefrom for the purpose of causing the closing pivotal movement of the sections toward each other into and securing them in a wheel forming relation by threaded engagement of the nut with the pin while engaged with said abutment or causing the opening pivotal movement of the sections away from each other into a split relation by unthreading and disengagement of the nut from the pin while engaged with said abutment.

2,471,935
METHOD AND APPARATUS FOR SEPARATING CHARGED PARTICLES OF DIFFERENT MASSES
Norman D. Coggeshall, O'Hara Township, Allegheny County, and Morris Muskat, Oakmont, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application March 19, 1945, Serial No. 583,432
26 Claims. (Cl. 250—41.9)



1. A mass spectrometer or the like comprising means for producing a region having a substantially uniformly directed magnetic field whose intensity varies in a manner to impart to a moving charged particle therein an open orbit having spatial periodicity, a source of moving charged particles, a collector of charged particles and a perforated diaphragm, said source and said collector being located in said field at successive points of maximum field strength along a spatially periodic planar open orbit for the desired particles, and said diaphragm being located transverse to the orbit of the charged particles moving between said source and said collector and with its opening positioned on the orbit of the desired particles.

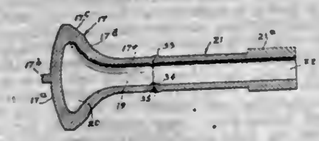
2,471,936
METHOD OF MAKING POPPET VALVES
Archie T. Colwell, Cleveland, Ohio, assignor to Thompson Products, Inc., a corporation of Ohio
Application January 21, 1944, Serial No. 519,140
2 Claims. (Cl. 29—156.7)



1. The method of making hollow poppet valves having cast relatively unforgeable corrosion-resistant head domes and forged stress-resistant

body portions which comprises forming a smooth flat end face on a forged stress resistant hollow metal cylinder, forming a smooth flat mating end face on a relatively unforgeable corrosion resistant solid metal disk, pressing said end faces together for sealing the faces against the atmosphere surrounding the disk and cylinder, impinging a plurality of flame jets around the peripheries of the pressed-together disk and cylinder, moving said jets in axial and radial directions relative to said pressed-together disk and cylinder adjacent the contacting surfaces thereof for heating said surfaces by conduction through the metals radially inward from the peripheries thereof to welding temperatures below the melting points of the metal, continuing application of said pressure during said heating operation to upset the contacting surfaces into concavo-convex cross-sectional relationship and thereby forming a composite integral blank, forging the cylinder portion of the blank to form a valve body having a stem portion and an outwardly flaring tulip portion defining a valve neck, and machining the resulting forged blank into final poppet valve contour to provide a poppet valve with a metal head dome composed of disk metal and metal body portion composed of cylinder metal and said dome being joined to said body portion by an annular weld of greater width than the wall thickness of said valve neck.

2,471,937
METHOD OF MAKING HOLLOW POPPET VALVES
Archie T. Colwell, Cleveland, Ohio, assignor to Thompson Products, Inc., a corporation of Ohio
Application January 24, 1944, Serial No. 519,435
2 Claims. (Cl. 29—156.7)

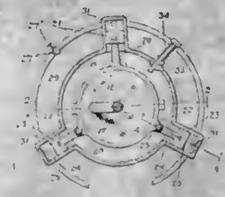


1. The method of producing composite hollow valves having cast hollow head ends and forged hollow stem ends which comprises forming a hollow heat and corrosion resisting alloy casting having a hollow poppet valve head and neck with a cylindrical stem portion extending from the neck and having a flat end face, forging a strong abrasion resisting steel blank to form a hollow cylindrical tube with a thickened end portion and a reduced-diameter stem-defining portion with a flat end face, cleaning the flat end faces of the reduced-diameter stem defining portion of the tube and the stem portion of the casting, axially pressing said end faces together into full contacting relation under pressures from about 300 to 2000 pounds per square inch of contacting surface, impinging flames around the casting and tube on each side of the contacting surfaces for heating said surfaces by conduction to temperatures from about 1000° C. to about 1300° C., continuing the application of pressure on said surfaces during said heating for deforming and pressure welding the surfaces together along an arcuate weld line of greater area than the area of the initial contacting surfaces, machining the resulting blank into final poppet valve shape, and inwardly collapsing the thickened end portion of the tube part of the blank to seal the hollow interior of the valve.

2,471,938
FERROUS SULFATE PRETREATMENT IN EMULSION POLYMERIZATION OF CONJUGATED DIOLEFINS
Willie W. Crouch and James E. Pritchard, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application January 5, 1945, Serial No. 571,540
10 Claims. (Cl. 260—85.5)

1. A process for the production of a polymer from a polymerizable organic monomeric material comprising a conjugated diolefin, which comprises forming an aqueous emulsion of said monomeric material, admixing with said aqueous emulsion a polymerization activator consisting of ferrous sulfate, in an amount between about 0.01 to about 0.5 part per 100 parts of monomeric material, and maintaining said admixture free from a polymerization catalyst for a pretreatment period of at least about one hour, subsequently adding to said admixture an oxidizing-type polymerization catalyst and effecting a polymerization of said monomer, and subsequently recovering a polymer so produced.

2,471,939
PUMPING MECHANISM
Douglas P. Davis, Burbank, Calif.
Application August 18, 1944, Serial No. 550,050
14 Claims. (Cl. 103—174)

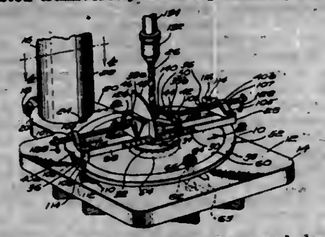


10. A pumping structure comprising a pump including a piston, a disk, a shaft connected with the disk to rotate the same, means for shifting the disk transversely of the shaft between positions concentric with and eccentric to the shaft, and an operative driving connection between the disk and the piston, the connection between the disk and shaft comprising a crank having a pin concentric with the shaft and a pin eccentric with the shaft, the pins passing through the disk.

2,471,940
ALL-PURPOSE WORK HOLDER FOR DRILLS AND THE LIKE
Exsior Dion, Lincoln, R. I.
Application July 8, 1946, Serial No. 681,994
4 Claims. (Cl. 77—63)

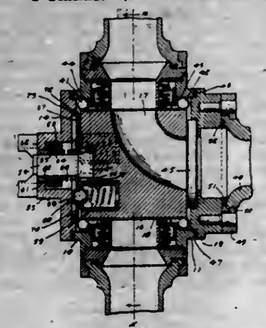
1. A work holder for drills, milling machines and the like having a tool and work holding table means non-rotatably vertically adjustably mounted relative to said tool comprising vise jaw run-way means rotatably mountable on said table means having a scale reading in both directions from the center thereof, one of said means having a circumferential scale thereon and the other of said means having a pointer mark movable relative to the circumferential scale, means to adjustably clamp said run-way means to said table means at different angular positions thereof to hold the run-way means in the desired angular position on said table means, vise jaws radially adjustable on said run-way means, means

to independently radially adjust the position of each vise jaw from the center of said run-way means and retain it in adjusted position abutting the work, a scale reading in both directions from the center thereof mounted transversely on one of said vise jaws, whereby the work may be adjusted transversely and longitudinally relative



to the center of said run-way means and clamped in adjusted position and a quadrant scale extending transversely vertically adjacent a vise jaw from the rear edge of said run-way means with the vertical edge thereof aligned with the rear edge of said run-way means to mount the work at any desired tilted angle relative to said rear edge of said run-way means.

2,471,941
VALVE AND LINER THEREFOR
George T. Downey, Corry, Pa., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa.
Application May 29, 1944, Serial No. 537,902
3 Claims. (Cl. 251—113)

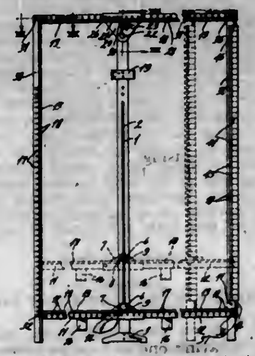


1. A valve structure comprising a housing having a plurality of ports, a ported plug rotatable in said housing, a cylindrical liner in said housing about said plug and fixed relative to said housing, said liner having openings registering with said ports, and spring-pressed sealing means in said ports bearing against said liner about said openings for sealing said liner relative to said ports, said liner being of such construction that said sealing means will also seal said liner relative to said plug.

2,471,942
METHOD OF RECOVERING VOLATILE MATERIALS
Ernest F. Drew, New York, N. Y.
Application August 23, 1945, Serial No. 612,275
10 Claims. (Cl. 260—412.5)

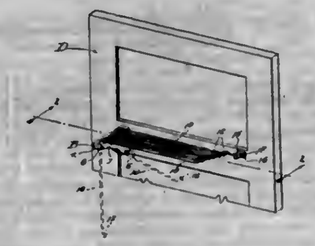
1. A method of treating waste vapors from the hydrolysis of oils and fats which comprises passing said vapors into contact with an aqueous solution of caustic alkali of over 2% to absorb constituents thereof, continuing said contact until a substantial amount of fatty acid has been absorbed, arresting the absorption when the concentration of said caustic alkali has decreased to a point not below about 2% and then recovering said acid from said solution.

2,471,943
CURTAIN STRETCHER
James J. Dvorak, Chicago, Ill.
Application September 21, 1945, Serial No. 617,721
10 Claims. (Cl. 45—24)



1. A collapsible type of curtain stretcher comprising end frame members, leg means engaged thereon for bracing the frame members in position to assist in supporting the curtain stretcher, a self-supporting intermediate supporting unit, upper and lower collapsible frame members pivotally supported on the intermediate unit, means for adjusting and then locking one of said collapsible frame members in extended position on the supporting unit, means for locking the other of said collapsible frame members in extended position on said intermediate supporting unit, clamping means connecting one of said end frame members to the extended upper and lower collapsible frame members, clamping means for clamping the other end frame member in adjusted position on the collapsible upper and lower frame members to form a curtain stretcher frame of a predetermined size, said collapsible upper and lower frame members and the left and right end frame members having openings therein for selectively receiving the clamping means for properly sizing the curtain frame, curtain stretcher pins carried by the left end frame member and the collapsible upper and lower frame members in registering relationship with the openings in said members and all disposed in the same plane when the frame members are assembled, a control rod rotatably supported on the right end frame member, and a plurality of spring controlled frictionally contacting pin carrying keys rotatably supported on the control rod and adapted to be simultaneously moved into an open position to permit the right end frame member to be secured to the collapsible upper and lower frame members, said pin carrying keys adapted to be simultaneously rotated to seat on the front face of the right end member to hold the pins on the keys in curtain stretching position in the same plane as the pins in the remaining frame forming members.

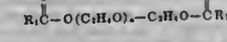
2,471,944
GARMENT HANGER
Herman H. Fernald, Wichita, Kans.
Application April 4, 1947, Serial No. 739,291
2 Claims. (Cl. 211—96)



1. A hanger comprising a bracket body adapted to be secured to a vertical supporting surface and having a top extending horizontally from said surface, said top having a row of spaced openings, a plurality of bars, a second bracket secured to said surface in spaced relation to the bracket body and including an arm extending from said surface a materially shorter distance than the said top of the bracket body, one only of said bars having one end engaged in the opening of the bracket body nearest to the supporting surface and having its other end secured to said arm, the remaining bars each having one end pivoted in one of said openings for swinging movement in a horizontal plane relative to the supporting surface, and means at the other end of each of the said other bars for successively detachably coupling the said other bars together in a group and in spaced parallel relation and for detachably coupling the innermost one of such group with the said one bar.

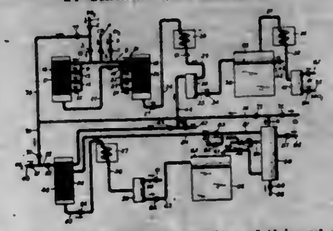
2,471,945
WETTING AGENT
Hans George Figdor, Philadelphia, Pa., assignor to E. F. Houghton and Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application August 15, 1947, Serial No. 768,937
13 Claims. (Cl. 252—352)

1. As a wetting agent a blend of water-soluble surface-active agent and a polyethyleneglycol diester represented by the following formula:



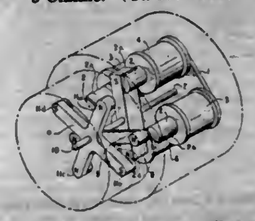
wherein n is a number from 5 to 22 inclusive, R_1 and R_2 are unsubstituted, saturated alkyl groups, the number of carbon atoms in R_1 plus the number of carbon atoms in R_2 being from 12 to 16 inclusive, and the difference between the number of carbon atoms in R_1 and in R_2 being no more than 4, the relative amounts of said water-soluble surface-active agent and diester, based on the combined weight thereof, being between 10% and about 95% of said polyethyleneglycol diester and between about 5% and 90% of said surface-active agent to provide a composition dispersible in water at concentrations less than about 2% and at a temperature of at least about 100° F.

2,471,946
PROCESS FOR MAKING THIONYL CHLORIDE
Edwin F. Fricke, Flushing, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application December 10, 1947, Serial No. 790,907
17 Claims. (Cl. 23—203)



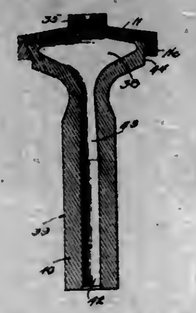
6. A process for the production of thionyl chloride which comprises subjecting carbon monoxide, sulfur dioxide and chlorine to successive zones of activated carbon catalysts maintained at increasing temperatures in the range of 160° C. to 220° C. to effect conversion into thionyl chloride, separating thionyl chloride thereby produced from the products of reaction, subjecting the remaining products of reaction together with additional sulfur dioxide to the action of an activated carbon catalyst maintained at a temperature between 280° and 350° C., withdrawing said products of reaction from the latter catalyst zone, and separating thionyl chloride therefrom.

2,471,947
IMPULSE GENERATOR FOR TELEMETERING SYSTEMS
Gabriel M. Giannini, West Los Angeles, Calif., assignor, by mesne assignments, to Howe & Fant, Inc., South Norwalk, Conn., a corporation of Delaware
Application June 4, 1945, Serial No. 597,459
5 Claims. (Cl. 177—380)



1. In an impulse generator, a coil, a permanent magnet member movable between limits in either of two opposite directions to increase the magnetic flux through the coil on movement in one direction and to decrease the flux on opposite movement, a continuously movable driving member, and a magnetic ratchet mechanism comprising a driven magnet connected to the permanent magnet member to move therewith, and a driving magnet connected to the driving member and adapted to move therewith in such manner as to first move one of its poles toward and then past an unlike pole of the driven magnet to move said permanent magnet member in one direction to one of said limits, and then to move one of its poles toward and then past a like pole of the driven magnet to move said permanent magnet member in the opposite direction to the other of said limits.

2,471,948
METHOD OF MAKING POPPET VALVES
Emil F. Gibian, East Cleveland, and Kenneth M. Bartlett, Cleveland, Ohio, assignors to Thompson Products, Inc., a corporation of Ohio
Application January 22, 1944, Serial No. 519,280
2 Claims. (Cl. 29—156.7)



1. The method of making hollow bi-metal poppet valves which comprises pressure-welding together a thick cylindrical billet of stress-resisting metal and a thin billet of corrosion-resisting metal, extruding and piercing the resulting bi-metal blank to form a headed blank having the head portion composed of stress-resisting metal covered with corrosion-resisting metal, controlling the contour of the weld line between the metals during the extruding and piercing operations for maintaining a uniform weld line contour, drilling the pierced portion of the resulting blank up to a level in advance of the weld line to control the thickness of stress-resisting metal in the head portion of the blank, extruding the drilled blank to form an enlongated stem from the stress-resisting metal portion thereof, forming a groove around the periphery of the head of the resulting extruded blank, welding a ring of stress-resistant metal in said groove in intimate bonded relation with both the stress-resisting metal and the corrosion-resisting metal of the valve head, and shaping the resulting blank into final poppet valve contour to provide a valve having a hollow stem and head with the head having a corrosion-resistant metal covering extending over the periphery thereof to provide a seating face.

2,471,949
AROMATIC EARRING OR OTHER ORNAMENT
Benjamin Gilowitz, New York, N. Y.
Application April 14, 1947, Serial No. 741,369
6 Claims. (Cl. 63—14)



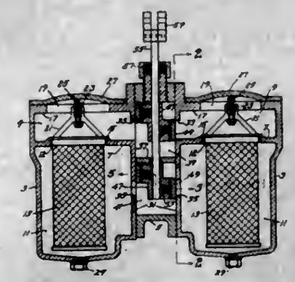
1. An aromatic ornament comprising a perfumery container having an opening, and an artificial flower or similar ornament at the exterior of said container, said ornament having a plurality of wicks extending through said opening and each having a knot within said container, said knots being disposed at the inner end of said opening and preventing withdrawal of said wicks from said opening.

2,471,950
LINK CHAIN
George A. Gotti, New York, Andrew Killian, Elmhurst, and Nicholas Volpicelli, Astoria, N. Y.
Application August 14, 1947, Serial No. 768,690
1 Claim. (Cl. 59—80)



A link chain comprising a plurality of links, each of which is provided with upper and lower extension pieces along the forward edge of the link, the upper extension pieces being in line with the corresponding lower extension pieces, the back edge of each link being provided with a plurality of bars corresponding in position to the position of the extension pieces of the adjoining link, alternate upper extension pieces being relatively long and the corresponding lower extension pieces being relatively short, the remainder of the upper extension pieces being relatively short and their corresponding lower extension pieces being relatively long, each said upper and lower extension pieces of one link being bent to form an acute angle around the corresponding bars of the adjoining link in locking engagement therewith, the outer corners of the free ends of said shorter extension pieces also engaging the end surface of its longer extension pieces to lock said longer extension pieces in place.

2,471,951
STRAINER
Albert J. Granberg, Oakland, Calif.
Application March 4, 1944, Serial No. 525,057
3 Claims. (Cl. 210—168)

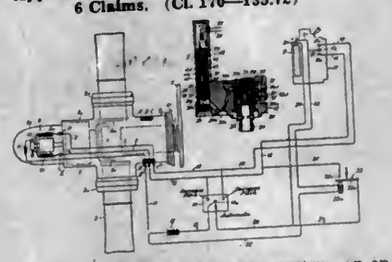


1. A strainer of the duplex type comprising a pair of spaced strainer sections, each section having a planar wall facing the other section and provided with an inlet port and a discharge port; a strainer basket in each section; a valve section intermediate said strainer sections and including a valve chamber in communication with said strainer baskets through said inlet ports and another valve chamber in communication with said strainer baskets through said discharge ports; an inlet connection leading to that valve chamber which is connected with said inlet ports and a discharge connection leading from that valve chamber which is connected with said discharge ports; and a valve assembly in said valve section including a duplex valve element in said valve chamber associated with said inlet ports and having port valving portions in slidable engagement with said planar walls with the port valving portions displaced with respect to each other in the direction of movement of said valve assembly to effect the closing of only one inlet port at a time, a corresponding valve element in said other valve chamber, and means for simultaneously shifting said valve elements.

2,471,952
PROCESS FOR REMOVING COBALT FROM ELECTROLYTES
Dinsmore Laurence Griffith and Mavis Jean Rankin, Flin Flon, Manitoba, Canada, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada, a corporation of Canada
No Drawing. Application December 26, 1946, Serial No. 718,604
1 Claim. (Cl. 75—109)

In a process for precipitating cobalt from electrolytes used in the electrolytic refining of zinc, the steps which comprise adding antimony to the electrolyte in an amount equal to from four to ten times the weight of the cobalt in the solution, and removing cobalt from the electrolyte.

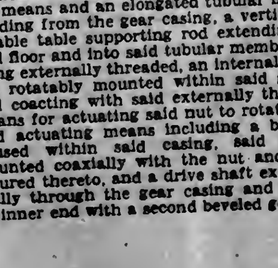
2,471,953
PITCH CONTROLLING SYSTEM FOR PROPELLER BLADES
Jack I. Hamilton, Essex Fells, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application July 7, 1944, Serial No. 543,861
6 Claims. (Cl. 170—135.72)



1. In a variable pitch propeller system, an engine having an oiling system, a propeller hub driven by said engine, propeller blades journaled in said hub, means for changing the pitch of said propeller blades, a governor and an electrical circuit for controlling said pitch-changing means to maintain said engine at substantially constant speed, an auxiliary electrical circuit for operating said pitch changing means to increase propeller pitch, a switch in said governor circuit having a contact member movable in response to substantial decrease in pressure in said engine oiling system to open said electrical circuit and render said governor non-operative, and means responsive to movement of said contact member for closing said auxiliary electrical circuit to actuate said pitch-changing means for increasing the pitch of said propeller blades.

2,471,954
REFLECTING AND FOCUSING APPARATUS WITH PIVOTALLY ADJUSTABLE SPACED APART REFLECTING MEMBERS FOR HEAT AND LIGHT RAYS
Walter James Harvey, Toronto, Ontario, Canada
Application May 27, 1946, Serial No. 672,676
4 Claims. (Cl. 88—25)

1. A ray concentration device comprising, a frame, a plurality of parallelly arranged bars mounted in opposite sides of said frame to rotate on end pivots, brackets members extending downwardly from each of said parallelly arranged bars, a pair of bars arranged in substantially longitudinal alignment and each pivotally connected to the depending brackets of a group of said parallelly arranged bars and extending transversely thereof, links pivotally connected to the adjacent ends of the longitudinally aligned bars connecting said brackets, a block arranged midway between the adjacent ends of said longitudinally aligned bars between and below said grouped parallelly arranged bars and movable upwardly and downwardly and pivotally connected to said links to swing the parallelly arranged bars of each group in unison with the bars of one group

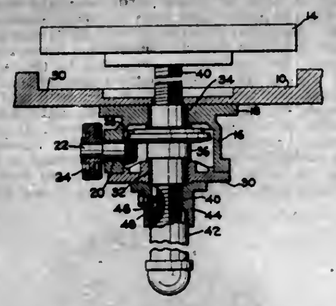


swinging in opposite direction to the bars of another group, upright bars pivotally mounted in groups on each of said parallelly arranged bars and adapted to swing in planes parallel thereto, bars pivotally connecting the lower ends of the groups of upright bars and extending parallel the parallelly arranged and pivoted bars either side of said block, links pivotally connecting the bars of the latter group connecting bars either side of said block with said block to swing the groups of upright bars on their pivots simultaneously with the swinging of the parallelly arranged bars with the upright bars of one group swinging in opposite direction to the upright bars of another group, and reflectors mounted on the upper ends of said upright bars.

2,471,955
BENCH STAND TABLE LIFT
Robert L. Hatch, Orange, Mass., assignor to Rodney Hunt Machine Company, Orange, Mass., a corporation of Massachusetts
Application February 1, 1946, Serial No. 644,614
1 Claim. (Cl. 187—24)

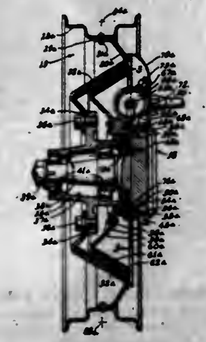
In combination with a floor, a bench stand table lift of the character described comprising a housing secured to and supported from the under side of the floor and including an enlarged upper portion serving as a gear casing for a lift actuating means and an elongated tubular member depending from the gear casing, a vertically reciprocable table supporting rod extending through said floor and into said tubular member, said rod being externally threaded, an internally threaded nut rotatably mounted within said gear casing and coacting with said externally threaded rod, means for actuating said nut to rotate the same, said actuating means including a beveled gear housed within said casing, said gear being mounted coaxially with the nut and externally secured thereto, and a drive shaft extending laterally through the gear casing and provided at its inner end with a second beveled gear meshing

with the first beveled gear, coacting means carried by said housing and said rod comprising a key and a keyway for preventing rotation of said



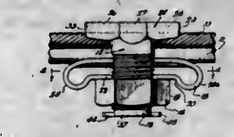
rod while permitting vertical reciprocation of the rod, and a table carried by the upper end of said rod, the upper surface of the floor being recessed to receive the table flush with the floor.

2,471,956
TORQUE EQUALIZING BRAKING APPARATUS
James W. F. Holl, Los Angeles, Calif.
Application April 2, 1945, Serial No. 586,101
8 Claims. (Cl. 188—2)



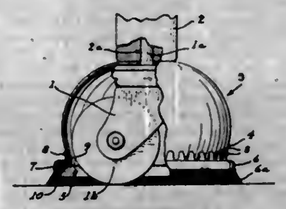
1. In a braking mechanism, the combination of: a supporting structure providing an axis; a first brake member rotatable relative to said supporting structure about said axis; a second brake member adapted to frictionally engage said first brake member, said second brake member being rotatable relative to said supporting structure about said axis, and being movable axially relative to said supporting structure into frictional engagement with said first brake member, whereby said first brake member, when tending to rotate, tends to rotate said second brake member to develop a braking torque therein; actuating means including a non-rotatable body which is movable axially relative to said supporting structure for moving said second brake member axially relative to said supporting structure, said second brake member being rotatably mounted on said body so that none of the braking torque developed in said second brake member is transmitted to said actuating means; and means actuable by said braking member for developing a hydraulic pressure substantially proportional to the braking torque developed in said second brake member.

2,471,957
ELECTRICAL CONNECTOR
David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application October 25, 1945, Serial No. 624,497
8 Claims. (Cl. 24—125)



4. In an electrical connector, the combination of a threaded bolt having a head and a shank, the shank being provided with threads for a nut and the shank having a longitudinally extending slot which extends from the free end of the shank into the head of the bolt, the said head being elongated in the direction of the slot and being provided with a partially cylindrical groove on the under side of the head which also forms the base of the slot, a nut adapted to be threaded on the shank of said bolt, and a resilient clamping member comprising a flexible and resilient spring having a clamping portion which extends transversely through said slot in opposition to the groove in said head, the said spring having at the ends of its clamping portion integral, radially, inwardly extending portions for engagement with the nut to place a predetermined tension on the spring when it clamps conductors in said slot, the said spring being formed at its clamping surface with a partially cylindrical, elongated groove for engaging an adjacent wire.

2,471,958
PROTECTIVE DEVICE FOR CASTERS
Velma L. Humphreys, Portland, Oreg.
Application March 5, 1945, Serial No. 581,103
6 Claims. (Cl. 16—18)

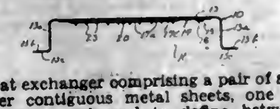


1. In a caster, a relatively rigid casing having a skirt, its marginal edge defining a lower open side for said casing, and adapted to have a caster wheel rotatably mounted therein and positioned to project thru said open side, an annular brush element secured to said skirt, said brush element having bristles projecting to the plane of the under surface of the caster wheel, and means underlying said bristles and tending to hold said bristles outwardly at a substantial diverging angle with respect to a vertical plane.

2,471,959
POLYMERIZATIONS EMPLOYING AZO COMPOUNDS AS CATALYSTS
Madison Hunt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 15, 1948, Serial No. 2,551
33 Claims. (Cl. 260—89.5)

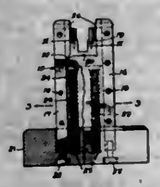
1. In a process for polymerizing ethylenically unsaturated monomers which undergo addition polymerization, the improvement wherein the monomer is polymerized in the presence of a catalytic amount of an organic azo compound containing an acyclic azo, —N=N—, group having bonded to each nitrogen a discrete carbon atom of the class consisting of aliphatic and cycloaliphatic carbon atoms, at least one of said discrete carbon atoms being tertiary and one of the carbon atoms bonded to said tertiary carbon atom having its remaining valences satisfied only by elements of the class consisting of oxygen and nitrogen.

2,471,960
CONDENSER
Bernard C. Johnson, Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application August 14, 1944, Serial No. 549,437
5 Claims. (Cl. 257—36)



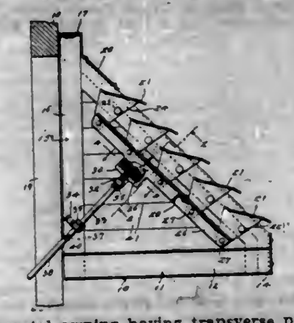
A heat exchanger comprising a pair of secured-together contiguous metal sheets, one of said sheets being embossed to define between the sheets a plurality of spaced ducts, said one embossed sheet being sliced between adjacent ducts to provide a set of cuts defining a pair of localized body portions between each duct with each body of the pair having an edge formed by a common line of cut, each localized body portion of the pairs being bent away from each other and from the other sheet to expose both faces of both sheets and to form fins on the heat exchanger, and the other of said sheets being uncut and shaped to provide a space and a support for the heat exchanger.

2,471,961
SHOCKPROOF GAUGE MOUNTING
Allan H. Jones, Newark, N. J.
Application May 19, 1944, Serial No. 536,305
2 Claims. (Cl. 33—168)



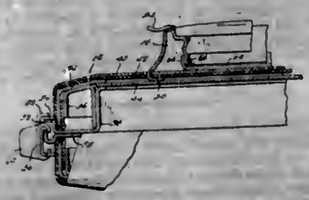
1. A work gage comprising a frame, a gaging member slidable outwardly and inwardly with respect to the frame, said gaging member being bifurcated and having two pairs of opposed parallel work contact faces consisting of an outer pair and an inner pair, the distance between the outer pair of contact faces being greater than the distance between the inner pair of contact faces, corresponding faces being joined to provide shoulders intervening said pairs, resilient means constantly urging the gaging member outwardly and allowing it to slide inwardly, means limiting the outward sliding movement of the gaging member into a gaging position in which to receive work for a gaging operation, and an abutment on the frame which will be engaged by the work as the gaging member yields under pressure of the work while it is being gaged, thereby preventing the work from damaging the gaging member.

2,471,962
MOVABLE AWNING
Henry G. Jones, Austin, Tex.
Application January 6, 1947, Serial No. 720,430
1 Claim. (Cl. 20—57.5)



In a metal awning having transverse pivoted louvers, an operator for rocking said louvers about the pivots thereof, said operator including a connecting bar, means rockably connecting said bar to each of said louvers, a depending plate on said bar formed with a plurality of adjacent elongated openings disposed at a right angle relative to the length thereof, a toothed gear rotatably carried by said awning, the teeth of said gear engageable in said openings and slidable along the length thereof for rocking said louvers upon rotation of said gear.

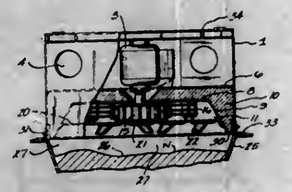
2,471,963
TWO-PART POCKET CASE
Max Kaplan, New York, N. Y.
Application January 6, 1949, Serial No. 66,458
7 Claims. (Cl. 132—83)



1. A pocket case having main and auxiliary portions, the auxiliary portion of said case being somewhat smaller in dimension than the main portion, said main portion comprising a bottom and a main cover, said bottom and main cover each being made of soft flexible imperforate material spread tautly around a rigid frame, and said auxiliary portion comprising an auxiliary

base and cover secured on top of and outside of the main cover, said auxiliary base including a metal dish and a surrounding ring having a generally upright peripheral wall and an inwardly extending flange frictionally engaging said dish, the lower edge of the peripheral wall being in direct contact with said material, said lower edge being projected at intervals to form a plurality of tangs spaced about its periphery, said tangs penetrating the soft material of the cover and being bent flat inside the cover, and said auxiliary cover being hinged on said auxiliary base ring, said auxiliary cover being made of metal.

2,471,964
APPARATUS FOR DRYING AND HEAT-TREATING
Adam J. Kiskalt, Grosse Pointe Farms, Mich.
Application May 9, 1946, Serial No. 668,574
3 Claims. (Cl. 22—87)

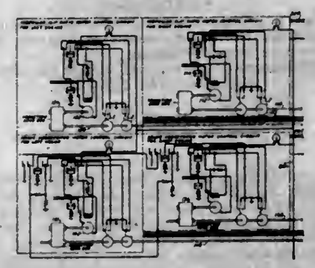


3. An apparatus for drying foundry sand mold while in a container comprising, a housing-like body adapted to be placed upon the container over the foundry sand mold, a heat insulating partition extending across the mid portion of the housing, a dividing wall positioned so that it is spaced from the partition and from the surface of the mold to form an upper chamber and a lower chamber, said body member resting upon the container so that the lower chamber is substantially closed to prevent escape of gases from the lower chamber and is not sealed tight so that gases may escape only under pressure, a fan in the upper chamber, an electric motor above the partition for driving the fan, heating means in the upper chamber for heating the gaseous contents moved by the fan, a plurality of adjustable air nozzles in the wall through which the gaseous contents propelled by the fan are discharged into the lower chamber, said nozzles being adjustable to direct the gaseous contents against and into cavities in the mold, a central opening in the dividing wall for the flow of gaseous contents from the lower chamber back to the upper chamber, whereby gaseous contents are circulated and recirculated by the fan in the drying of the mold.

2,471,965
METHOD OF ELECTROLYTICALLY PRODUCING ZINC OF HIGH PURITY
Sherwin Pope Lowe, George William Long, George Henry Kent, and Kenneth William Downes, Flin Flon, Manitoba, Canada, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada
No Drawing. Application August 1, 1946, Serial No. 687,706
5 Claims. (Cl. 204—119)

1. The method of electrolytically producing zinc of high purity from a zinc sulphate electrolyte containing at least one of the impurities lead, copper, cadmium and iron, which comprises adjusting the pH of the electrolyte to a state of substantial equilibrium neutrality, said neutrality being a pH of 5.1 to 5.5, adding cresylic acid and pine oil to the electrolyte in amounts sufficient to reduce the amount of said impurities and not more than will dissolve in the electrolyte, and passing electric current from an impure zinc anode to a cathode through said electrolyte containing said cresylic acid and pine oil to deposit said zinc of high purity.

2,471,966
GROUND TRAINER FOR AIRCRAFT PERSONNEL
Joseph J. Lukacs, New Rochelle, and Robert O. Rippere, Massapequa, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 1, 1945, Serial No. 580,324
14 Claims. (Cl. 35—12)



1. In an aircraft trainer wherein the operation of an airplane engine is simulated, a source of current, a control conductor, means for deriving a potential from said source commensurate with the true air speed of the simulated flight, a potentiometer for modifying said potential in accordance with the reciprocal of the amount of pitch of the blades of the propeller driven by the simulated engine, means for deriving a second and oppositely phased potential from said source which varies in accordance with the speed of rotation of the propeller driven by the simulated engine, a balancing potentiometer for modifying said latter potential and for applying it to said conductor, a motor responsive to an unbalanced potential condition on said conductor for adjusting said latter potentiometer until the sum of the potentials applied to said conductor becomes zero, and means operated by said motor for introducing integration factors into other motor control circuit networks in the trainer in accordance with the quantity representing the propeller slip ratio.

2,471,967
PIEZOELECTRIC TYPE SWITCHING RELAY
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 3, 1946, Serial No. 667,071
5 Claims. (Cl. 171—327)

1. In an electrical system, a relay, a plurality of double strip crystal units in said relay, said

units of different lengths, a linkage and an armature cooperatively controlled by said units

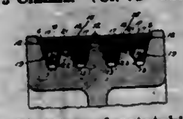


through said linkage, so as to amplify the motion of said armature.

2,471,968
INDICATING DEVICE
Jack D. McCullough, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 4, 1945, Serial No. 597,469
6 Claims. (Cl. 175—183)

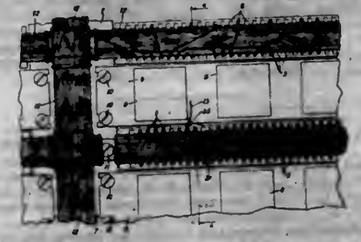
6. An analyser adapted for use with an ignition system comprising primary and secondary transformer windings, a distributor, and conductors leading from the distributor to a primary of engine spark plugs, said analyser comprising a cathode ray oscilloscope including means for developing a cathode ray scanning beam and a pair of deflecting means for deflecting said scanning beam in each of two mutually perpendicular directions relative to an observation target, means for associating the deflecting means with the primary transformer winding to effect the deflection of the scanning beam in one of the two mutually perpendicular directions and to make all spark plugs participate equally therein, and a current transformer associated with the other deflecting means and coupled with the conductor connecting the distributor and a certain spark plug so as to respond by induction to current impulses in the conductor and thereby to initiate the deflection of the scanning beam in the other of the two mutually perpendicular directions for cooperating with the first mentioned associating means in simultaneously presenting indications of performance by all spark plugs and for enabling the identification of the various indications of performance with the various spark plugs.

2,471,969
BELT AND TRANSMISSION
Walter A. Meyer, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 29, 1943, Serial No. 480,895
3 Claims. (Cl. 74—229)



1. The combination of rotatable driving and driven sheaves at least one of which has a substantially W-shaped annular groove and a power transmission belt having spaced continuous relatively inclined surfaces for cooperation with the four corresponding relatively inclined surfaces of said annular groove, said belt being of substantially less depth in cross section than said groove, said relatively inclined surfaces of said annular groove and said belt being so spaced that said belt engages said groove laterally throughout the full radial depth of said belt and is free of contact with the radially inmost extremities of said annular groove and the apex of the ridge in said substantially W-shaped annular groove.

2,471,970
WIRING DEVICE
Herman A. Miloche, Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 23, 1947, Serial No. 743,446
5 Claims. (Cl. 174—68)

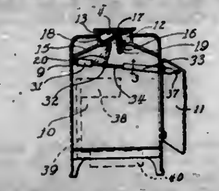


2. A wire distributing device comprising a trough adapted to accommodate wires therein, recessed passageways in the inner surfaces of the side walls of said trough opening outside the outer layers of said wires and continuing as holes through the bottom of said trough, said passageways and holes provided for the accommodation thereby of said wires.

2,471,971
REFRIGERATOR VENTILATOR SYSTEM
Lewis M. Mitchell, Greeley, Colo.; Wilbur A. E. Mitchell, administrator of said Lewis M. Mitchell, deceased, assignor of 46.66% to Wilbur A. E. Mitchell, Greeley, Colo., 26.67% to Paul M. Mitchell, Chicago, Ill., and 26.67% to Gerald L. J. Mitchell, Glen Ellyn, Ill.
Application November 23, 1944, Serial No. 564,882
7 Claims. (Cl. 98—51)

1. In a refrigerating unit, a cooling compartment having an outside main door, a vent opening in a wall of said unit, a trap door pivotally mounted across said vent opening, spring means

for normally holding said trap door in closed position across said vent opening, one-direction connecting means between said outside main door and said trap door operable for opening said trap door when the main door is opened against the



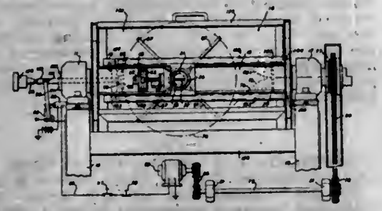
tension of said spring means, and pneumatic door stop means so attached to said trap door as to prevent its being closed by said spring means until the lapse of an interval after the main door is closed.

2,471,972
APPARATUS FOR HEATING AIR
Emmett Nicholson, Dunedin, Fla.
Application November 8, 1946, Serial No. 708,514
4 Claims. (Cl. 219—38)



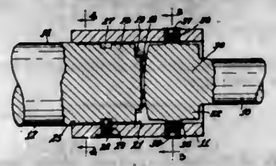
1. An air heater comprising a series of spaced, parallel, vertically disposed metal plates having registering openings formed therein, and an electric heating element comprising an elongated helical coil extending axially through the openings in substantially all of said plates.

2,471,973
TAPE SUPPORTING MEANS FOR STRAND COVERING MACHINES
Axel C. Nystrom, Rutherford, and Walter J. Volckhausen, Teaneck, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 4, 1947, Serial No. 783,874
3 Claims. (Cl. 57—3)



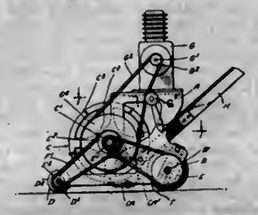
1. A material supplying apparatus for supporting a pad of tape-like material and rotating the material about an axis coincident with the longitudinal centerline of the material pulled from the pad, the apparatus comprising a frame, means to support the frame for rotation about a given axis, power means to rotate the frame, means carried by the frame to rotatably support a pad of tape-like material as the material is withdrawn therefrom and advanced along a path coincident with the axis of the frame, a brake element movable relative to the support for the pad, spring means to force the brake element against the pad to apply a diminishing brake drag to the material comparable to the diminishing size of the pad to create a given tension in the material, and a rod movable relative to the frame concentric therewith for supporting the brake element for rotation with the frame.

2,471,974
WABBLER COUPLING
Joseph M. O'Malley, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application February 11, 1948, Serial No. 7,860
5 Claims. (Cl. 64—8)



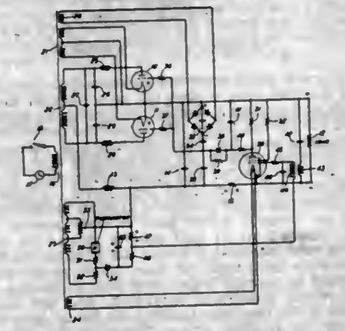
1. A wabbler coupling comprising a rotatable member, a sleeve mounted on the member and projecting beyond the end thereof to provide a socket, the projecting portion of the sleeve having on its inner surface a plurality of longitudinally extending heavy ribs separated by longitudinally extending deep grooves, the sleeve having radial holes therethrough communicating with the grooves, plugs mounted in the holes with their inner ends projecting a short distance into the grooves and equidistance from the axis of the sleeve, and a rotatable spindle having an end portion located within the socket, the said end portion having on its outer surface a plurality of longitudinally extending heavy ribs separated by longitudinally extending deep grooves, the ribs on the spindle intermeshing loosely with the ribs on the sleeve, the spindle ribs having outer surfaces which engage the inner ends of the said plugs to center the end portion of the spindle within the socket.

2,471,975
LAWN MOWER
Hesa H. Packwood, Baton Rouge, La.
Application January 17, 1947, Serial No. 722,500
4 Claims. (Cl. 56—26)



1. A lawnmower comprising a framework, a cutting reel mounted in said framework to rotate about a horizontal axis and provided at its periphery with cutting edges extending longitudinally of the reel, a bed knife mounted in said framework and having a cutting edge in fixed relation to said framework and cooperating with said cutting reel cutting edges to sever vegetation, and rolling ground engaging elements journalled in said framework and including a roller element in front of said reel and parallel to the axis thereof, and mechanism for rotating said roller with a peripheral speed substantially in excess of the speed of the travel of the lawnmower over the ground and in the direction to cause vegetation extending upward from the ground to be bent backward toward the lawnmower bed knife and cutting reel.

2,471,976
VOLTAGE REGULATION
James A. Potter, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 18, 1946, Serial No. 662,956
6 Claims. (Cl. 175—363)



1. A rectifier for supplying rectified current to a load comprising a space discharge device having an anode, a cathode and a control electrode, a first circuit connecting said anode and said cathode including a source of alternating current and said load, a shunt path across which the output voltage of said rectifier is impressed when rectified current is supplied to said load, a second circuit connecting said control electrode and said cathode comprising a condenser, means for charging said condenser for setting up an exponentially changing voltage in said second circuit for preventing the flow of space current during an initial period while the cathode of said device is being heated to operating temperature and for causing space current to flow through said device to said load subsequent to said initial period, and means effective subsequent to said initial period for causing the charge on said condenser to change for controlling the potential of said control electrode with respect to the potential of said cathode, said means comprising means having a time constant which is low with respect to the time constant of said means for charging said condenser during said initial period.

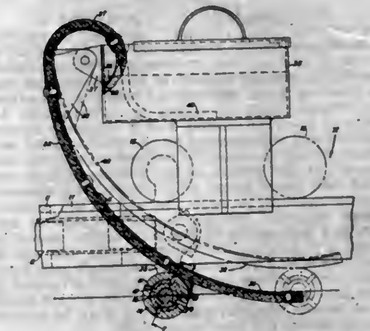
2,471,977
BED PARTITION
Albert Henry Power, Toronto, Ontario, Canada
Application November 28, 1947, Serial No. 788,495
1 Claim. (Cl. 5—329)

A bed of the class described comprising a bedstead having end members constituting a head and a foot, a centre board extending between said end members, and clamp fasteners for securing said centre board to said end members, said clamp fasteners each including a pair of plates between which an edge portion of the centre board is gripped, one of the plates having an integral



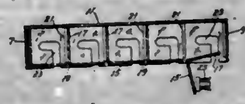
shank extending through an end member aforesaid and threadly engaged by a wing nut, the other plate having a bent end slotted to engage said shank, and a bolt passed through said plates to apply gripping pressure thereon.

2,471,978
APPARATUS FOR OILING PARTS
Duer C. Robson, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 21, 1945, Serial No. 636,403
4 Claims. (Cl. 184—102)



1. In a conveyer including a track and a conveyer element which may be advanced along the track in a predetermined direction, an oiler which comprises an oil tank positioned above the track, an arm pivotally connected to the oil tank with the lower end thereof urged by gravity into the path of the conveyer element, and a wick covering the approach side of the arm and extending into the tank, whereby oil in the tank is conducted by the wick to the conveyer element.

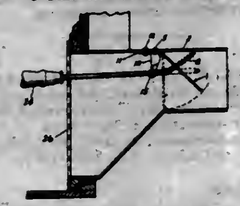
2,471,979
TOOTHBRUSH HOLDER
Guido J. Rozzi and Ernest L. Bonalanza, South San Francisco, Calif.
Application October 20, 1947, Serial No. 780,990
4 Claims. (Cl. 206—15.1)



1. A holder comprising a container having top and bottom walls; a plurality of door-partition units pivotally secured between said top and bottom walls adjacent the front edges thereof, each such unit including a door and a partition at substantially right angles thereto and adapted in the closed position of said door to occupy the position of a partition in said container to form

compartments with similar adjacent partitions; said aforementioned bottom wall having a front edge slot in each such compartment; and means for determining such closed position of a door-partition unit.

2,471,980
DAMPER
John E. Maynard, Detroit, Mich., and Paul O. Collins, Elyria, Ohio
Application May 1, 1945, Serial No. 591,273
9 Claims. (Cl. 98—106)



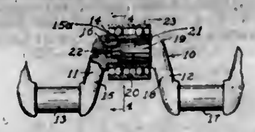
1. Apparatus for controlling the flow of air in a stackhead or duct including a damper blade having a portion shaped to provide on one side a groove and an embossment in arcuate abutting alignment, each of which is substantially U-shaped in cross section and a similarly shaped groove and embossment on the other side of said blade which are opposite, respectively, to the embossment and groove on the first mentioned side, and said blade being provided with an aperture which extends through the end of the embossment adjacent the groove on one side of said blade, a coil spring having a portion of one of its coils arranged in the depression on one side of said blade and being threaded through said aperture and another portion of its coil arranged in the depression on the opposite side of said blade, and means whereby said spring may be rotated to adjust the position of said blade.

2,471,981
MAGNETIC DISPLAY DEVICE
Le Roy E. Seiders, Bryan, Ohio, assignor, by direct and mesne assignments, of ninety per cent to John R. Hendricks and ten per cent to J. Warren Kinney, Jr., both of Cincinnati, Ohio
Application February 2, 1946, Serial No. 645,105
8 Claims. (Cl. 40—139)



2. A display device comprising a substantially flat horizontal non-magnetic, non-conducting supporting surface, a display panel disposed upon said supporting surface, said panel comprising a piece of non-conducting sheet material having one or more substantially L-shaped armatures secured to its lower edge, each of said armatures including a rear leg to which the sheet material is attached and a bottom leg disposed at an angle thereto sufficient to insure a normal condition of rearward overbalance of the display panel, said rear and bottom legs interconnected by a rounded bearing surface, said armature being rockable about said rounded bearing surface between two normal positions for disposing one or the other of said legs in the plane of said supporting surface for disposing said sheet material in a lowered, inoperative position in the plane of said supporting surface or in an upstanding, attention arresting position at substantial right angles thereto, electromagnetic means disposed beneath said supporting surface and aligned with said armatures, and means for intermittently energizing said electromagnetic means for imparting a cyclic raised and lowered motion to said display panel.

2,471,982
SPLICE FOR CRANKSHAFT BEARINGS
Melvin Shalda, Cuba, Kans.
Application November 4, 1946, Serial No. 707,726
1 Claim. (Cl. 74—597)



A crank shaft wrist pin construction, comprising a crank arm, a stub pin cast integral therewith and having a circular outside cross section, said pin having a free end, a tapered bore formed axially in said pin from the free end thereof, a second crank arm, a pin cast integral with an end of the second arm and tapered for axial insertion into said bore, said bore having a tapered longitudinal spline groove, a tapered spline forming an integral milled part of said tapered pin for engagement in said groove, means for coupling said pins and drawing the tapered pin into the stub pin, each of the crank arms being formed to provide a shoulder face encircling the pin which is integral therewith, and the diameters of the bore and tapered pin being such that when the tapered pin is firmly in the bore of the stub pin the free end of the stub pin will be closely adjacent to the shoulder adjacent to the tapered pin and the tapered end of the tapered pin will be spaced from the inner end of the tapered bore, the said tapered spline groove terminating a substantial distance short of the inner end of the tapered bore and the said tapered spline terminating short of the inner end of the spline groove when the tapered pin is fully inserted into the bore of the stub pin.

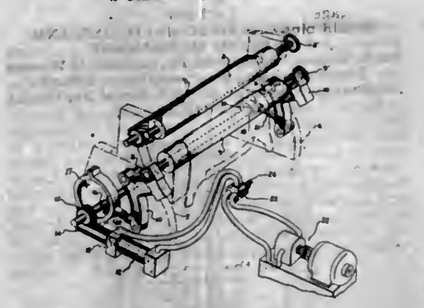
2,471,983
HYDRAULIC DRIVE FOR ROTARY GRATES AND THE LIKE
Floyd W. Spahr, Palmyra, N. J., and John S. Haug, Chestnut Hill, Pa., assignors to United Engineers and Constructors, Inc., Philadelphia, Pa., a corporation of Delaware
Application February 1, 1944, Serial No. 520,710
12 Claims. (Cl. 110—35)



5. In a grate actuating mechanism for mechanical gas generators and the like of the type comprising a rotary grate enclosed in a housing the interior of which is in gas communication

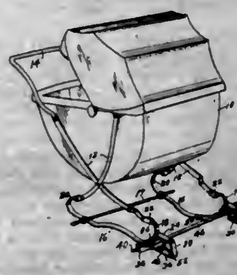
with the interior of the generator fuel bed but which is otherwise substantially gas-tight, said mechanism including a prime mover in the form of a pressure cylinder having a stuffing box at one end, a casing forming a support for said cylinder and secured to said housing over an opening in the latter so as to enclose said opening, said casing embracing the said stuffing box, a piston in the cylinder, and means for admitting a pressure medium to the cylinder to actuate the piston; a piston rod extending through said box and said casing for operative connection with the grate by way of said housing opening, transmission means for operatively connecting the rod with the grate, said transmission means and the adjoining portion of the rod being exposed to the corrosive and dust-laden atmosphere in the interior of the housing, a partition in said casing intermediate the stuffing box and said housing opening and forming within said casing a separate chamber for said box, an opening in said partition for passage therethrough of the piston rod, and a stuffing box on said partition embracing said rod and forming a substantially gas-tight seal segregating said chamber from said atmosphere.

2,471,984
HYDRAULIC DRIVE FOR LEATHERWORKING MACHINES
Ralph J. Stehling, Milwaukee, Wis., assignor to Chas. H. Stehling Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 1, 1948, Serial No. 12,412
2 Claims. (Cl. 69—42)



1. In a leather working machine having spaced side frames and work performing and carrying elements including a roll extending across the machine substantially from side frame to side frame: a lever pivotally mounted on the outside of each side frame; said levers being free to swing about a common axis; means on the levers supporting the roll so that the roll may be swung back and forth by the levers to and from a work performing position; a rock shaft extending across the machine from side frame to side frame and journalled in bearings carried by the side frames which dispose the shaft parallel to the axis of swinging movement of said levers, said shaft having end portions protruding from the side frames; means for translating oscillation of said rock shaft through an arc of substantially 180° into swinging movement of said levers to carry the roll to and from its work performing position, said means comprising a connecting rod attached at one end of each of said levers, an eccentric connection between the other end of each connecting rod and said rock shaft, one of said eccentric connections including an eccentric disc fixed to one protruding end portion of the rock shaft and a strap on the adjacent connecting rod embracing the disc, said eccentric connections travelling substantially between opposite dead center positions upon oscillation of the rock shaft to carry the roll either to or from operative position, and said eccentric having its major weight disposed at one side or the other of a vertical plane passing through the axis of the rock shaft in said dead center positions of the disc whereby the eccentric weight of the disc is utilized to swing the roll toward operative position during the latter portion of travel of the disc toward one dead center position; and means for oscillating said rock shaft through an arc of substantially 180°, including a pinion fixed to one projecting end portion of the rock shaft, a rack meshing with the pinion, and a hydraulic cylinder for reciprocating the rack.

2,471,985
STEERABLE INFANT'S CARRIAGE
William C. Troendle, Gardner, Mass., assignor to Thayer Company, Gardner, Mass., a corporation of Massachusetts
Application April 9, 1946, Serial No. 660,749
1 Claim. (Cl. 280—43)



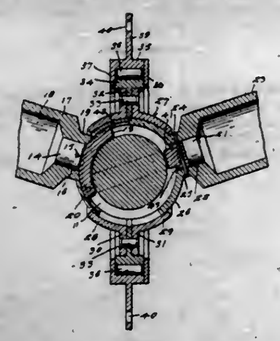
A carriage of the class described comprising a spring frame, wheels supporting the frame in fixed relation thereto adjacent an end thereof, a pair of brackets rigidly fixed to the frame, a vertical pin in each bracket, a lever on each pin for swinging movement in a horizontal plane, a brace fast to each lever and swingable therewith, each brace closely engaging a horizontal surface of a bracket to rigidify the levers, so that the frame is supported by the levers and brackets, and a steerable wheel rotatably mounted on each lever.

2,471,986
STORAGE OF HYDROFLUORIC ACID
Paul M. Waddill, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application March 15, 1946, Serial No. 654,793
5 Claims. (Cl. 260—653.4)

1. In a process for the conversion of hydrocarbons in the presence of hydrofluoric acid as a catalyst in which a portion of the hydrofluoric acid is added to the process from a storage vessel, the method for minimizing the loss of hydrofluoric acid from said acid storage vessel and for confining the acid to a lower liquid phase therein

which comprises substantially maintaining said hydrofluoric acid in liquid phase under an atmosphere of inert pressuring gas and introducing between said acid layer and said atmosphere of pressuring gas a liquid layer of a heavy paraffinic hydrocarbon fraction through which said hydrofluoric acid is undiffusible to further prevent vaporization and the diffusion of acid vapors into the pressuring gas and to maintain said acid in the liquid phase.

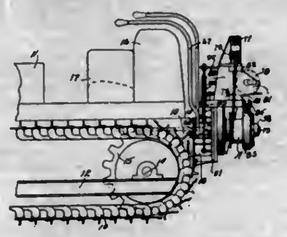
2,471,967
UNIVERSAL JOINT
Philip M. Waite, Corry, Pa.
Application July 3, 1945, Serial No. 602,991
1 Claim. (Cl. 64—16)



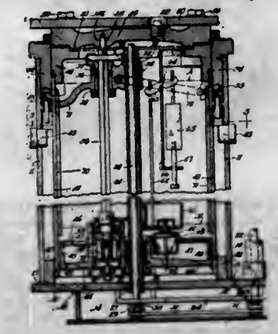
A universal joint comprising a pair of oppositely extending socket members adapted to be secured to a pair of shafts, confronting cup-shaped members carried by the inner ends of said socket members, a ball loosely disposed in said cup-shaped members and formed with a pair of right angularly disposed grooves, an arcuate key fixedly carried by each cup-shaped member and slidably engaging in said grooves, a casing about said cup-shaped members formed of parti-spherical members, and means supporting said casing, said parti-spherical members including confronting annular flanges, an inner anti-friction race about said flanges, a flange carried by said inner race engaging between said first named flanges, means securing all of said flanges together, an outer race, means for securing said outer race to a stationary support, and anti-friction elements between said races.

2,471,988
WINCH
Harry H. Washbond and Orville R. Beattie, Springfield, Ill., assignors to The Baker Manufacturing Company, Springfield, Ill., a corporation of Illinois
Application March 20, 1944, Serial No. 527,164
8 Claims. (Cl. 254—187)

1. In a winch including a supporting housing, a drive shaft journalled in and extending from said housing, a cable drum journalled on said housing concentric with and surrounding said drive shaft, said drum at its outer end presenting a clutch surface, a clutch head secured to the outer end of said drive shaft to rotate therewith but being free to shift axially thereon, said drive shaft having an axially extending bore therethrough, and a clutch control shaft extending through said bore, the improvements of a thrust bearing having an inner race fixedly secured to the outer end of said control shaft, said clutch head having a bore at its outer end provided with internal threading, a seating structure in said clutch head bore for said thurst bearing, said thrust bearing having an outer race fixedly secured to said bore by said seating structure, means for effecting axial movement of said control shaft for transmission by said bearing to said clutch head for setting of said head relative to the clutch surface, and said seat structure having threaded engagement with the threading in said head bore whereby said control shaft may be axially adjusted relative to said clutch head.



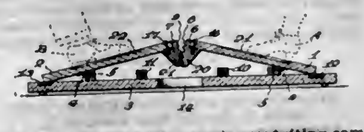
2,471,989
FLUID ACTUATED LOAD LIFTING AND LOWERING MECHANISM
Ira A. Weaver, Springfield, Ill., assignor to Weaver Engineering Co., a corporation of Illinois
Application November 28, 1947, Serial No. 788,381
6 Claims. (Cl. 60—51)



6. In a load lifting and lowering appliance of known general type having an upstanding cylinder accommodating a hollow piston with a pressure-seal between them allowing the piston to reciprocate in the cylinder, said piston being adapted to contain a liquid, and means to apply such liquid under pressure from the piston to the cylinder beneath the piston to raise the latter and to return the liquid to the interior of the piston to lower the latter, the novel combination of means providing an air-chamber below the bottom, wall of the cylinder, means providing a liquid-chamber in the lower portion of the piston,

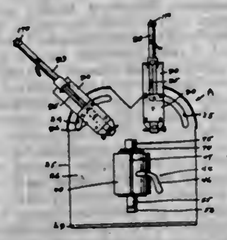
a first valve connecting the interior of the piston with the liquid-chamber, a second valve connecting the liquid-chamber with the cylinder beneath the piston, a first upstanding stationary air-tube outside of the cylinder and connecting at its lower end with the air-chamber, a second upstanding stationary air-tube in the piston extending down through the bottom walls of the piston and cylinder with its lower end in communication with the air-chamber and with its upper end in communication with the piston above the highest liquid level therein, controllable means near the top of the first air-tube to admit air under pressure into the first air-tube and cause it to discharge from the second air-tube into the piston or to discharge air from the first air-tube to the atmosphere, manually operable means occupying said first air-tube, said second air-tube and said air-chamber to open and close said second valve.

2,471,990
DEVICE FOR BEATING TIME IN TEACHING MUSIC
Ralph E. Weiss, Cheektowaga, N. Y.
Application March 23, 1945, Serial No. 584,367
2 Claims. (Cl. 84—484)



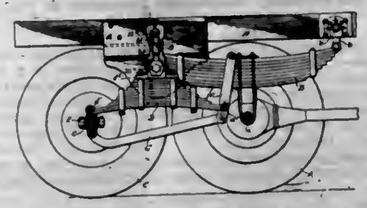
1. A device for teaching music comprising companion pedals arranged in end-to-end relation and each of which is mounted for rocking movement, one of said pedals being adapted to be engaged and operated by a foot of a teacher for beating the proper time and the other of which is adapted to be engaged and operated by a foot of a pupil being instructed by the teacher, and means operatively connecting said pedals so that a rocking movement of one will cause a corresponding and simultaneous rocking movement of the other in the same direction, whereby the teacher, by controlling the rate of operation of one pedal, may influence the pupil to operate the other pedal at a rate corresponding to the proper time.

2,471,991
STONE DRESSER
Paul Weynand, San Antonio, Tex.
Application April 22, 1947, Serial No. 743,079
11 Claims. (Cl. 125—11)



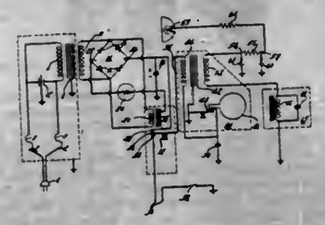
1. In a dresser for a stone mounted upon a pilot shaft, a support and pilot shaft-receiving-and-supporting means carried by the support and including an outer body portion having a longitudinal bore, an inner body portion, slidable longitudinally of said bore, means to retain said inner body portion in various selected positions longitudinally of said outer body portion, and a rotatable assembly, rotatably carried by said inner body portion, including a tubular portion having an open end, a pilot shaft-receiving seat within said tubular portion and slidable longitudinally of said tubular portion, and resilient means urging said seat toward said open end.

2,471,992
MOUNTING FOR TANDEM SPRINGS FOR TRUCKS
Charles A. Wicker, Selma, Ala.
Application August 17, 1945, Serial No. 611,021
4 Claims. (Cl. 267—36)



1. A mounting for the springs for tandem truck wheels which springs are disposed in overlapping tandem arrangement, said mounting comprising a bracket for attachment to a side rail of a truck frame having depending inner and outer arms embracing said springs, a shackle pivoted between the arms near their upper ends and carrying the rear end of the forward spring and a second connection for the center of the rear spring also pivoted between the bracket arms below the shackle.

2,471,993
FENCE CHARGING CIRCUIT
Lee A. Woolley, Kokomo, Ind., assignor to Kingston Products Corporation, Kokomo, Ind., a corporation of Indiana
Application February 7, 1946, Serial No. 646,043
2 Claims. (Cl. 171—97)



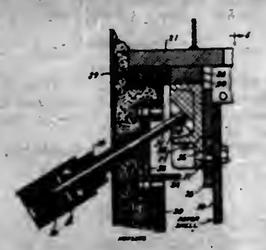
2. A fence charging circuit comprising A. C. input terminals adapted to be connected to a source of alternating current, D. C. input terminals adapted to be connected to a source of D. C. current, rectifying means connected to said A. C. input terminals, surge generating means responsive to direct current for periodically producing high voltage surges having a frequency different from the frequency of said alternating current source, a circuit adapted to supply said high volt-

age surges to a fence independently of current from said alternating current source, said circuit including a series connected filter having a high impedence at the frequency of said source and substantially negligible impedence to said voltage surges, a relay, and means for energizing said relays from said A. C. terminals, said relay being arranged to connect said surge generating means to said rectifying means when said relay is energized and to connect said surge generating means to said D. C. terminals when said relay is de-energized.

2,471,994
PYROLYSIS OF BETA-OXIMINO-TERT.-BUTYL PYRIDINIUM CHLORIDE
Charles B. Wooster, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 18, 1947, Serial No. 792,593
1 Claim. (Cl. 260—465.9)

A process for preparing methacrylonitrile which comprises reacting at 50° C. pyridine and the dimer formed by the addition of equimolecular proportions of nitrosyl chloride and isobutene, thereby forming beta-oximino-tert.-butyl pyridinium chloride, separating said pyridinium chloride, heating it at 175° C. to 250° C., thereby forming methacrylonitrile, and separating methacrylonitrile from the heated pyridinium chloride.

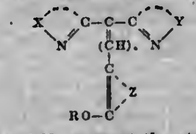
2,471,995
ADJUSTABLE CIRCUMFERENTIAL SEAL FOR PREHEATERS
William D. Yerrick and John C. Vickland, Wellsville, N. Y., assignors to The Air Preheater Corporation, New York, N. Y.
Application August 22, 1947, Serial No. 770,086
11 Claims. (Cl. 257—6)



1. In a regenerative air preheater or the like having a rotor made up of a cylindrical shell joined to a rotor post by radial partitions forming compartments that carry heat transfer material, and a housing surrounding the rotor and provided opposite the ends of the latter with sector plates formed with apertures for the flow of heating gases and air to and through the rotor; a sealing ring mounted on the outer surface of the rotor shell at or closely adjacent each end edge thereof; groups of sealing shoes of arcuate form mounted in the housing outwardly of the rotor shell close to said sector plate, the shoes of each group together forming a stationary sealing ring of circular shape disposed opposite one of the sealing rings on the rotor; and spring biased means engaging said arcuate shoes and acting to maintain them in contact with the sealing rings carried by the rotor and with the adjacent portions of said sector plates.

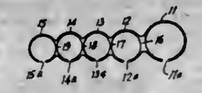
2,471,996
TRINUCLEAR IMINOL CYANINE DYES
Alfred W. Anish, Vestal, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application January 19, 1945, Serial No. 573,631
14 Claims. (Cl. 260—240)

1. Trinuclear iminol cyanine dyes characterized by the following general formula:



wherein X and Y represent the atoms necessary to complete a heterocyclic nitrogenous ring system of the type usual in cyanine dyes and selected from the class consisting of indolenines, lepidines, oxazoles, oxazolines, selenazoles, selenazolines, pyridines, quinolines, thiazoles, thiazolines, diazoles, and quinazolines, Z represents the atoms necessary to complete a member selected from the class consisting of a five-membered and six-membered heterocyclic ring system, *n* represents a positive odd integer of from one to five, and R is a member selected from the class consisting of hydrogen and a heavy metal.

2,471,997
DEVICE FOR STRAIGHTENING TOES
Bella M. Baltor, New York, N. Y.
Application July 4, 1945, Serial No. 603,215
11 Claims. (Cl. 128—81)



1. A toe brace comprising a member having ring portions adapted to receive the toes of a foot, said ring portions having curved outer and inner surfaces and being interconnected by webs at points of tangency between adjacent ring portions.

2,471,998
COLUMN-STAND FOR SUPPORTING APPARATUS VERTICALLY MOVABLE ALONG THE COLUMN, PARTICULARLY X-RAY APPARATUS
Detlof Emanuel Berggren, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 2, 1946, Serial No. 680,960
In the Netherlands March 22, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 22, 1963
5 Claims. (Cl. 248—123)

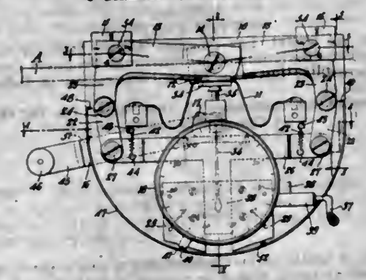
1. A column-stand for supporting apparatus vertically movable along the column, particularly an X-ray unit, comprising a spring counteracting the weight of the apparatus by its tension and constituted by helically wound turns arranged adjacent to each other with one end adapted to be free and the other end adapted to be fixed, means supporting the spring so the free end of the spring is movable in response to movement of the supported apparatus so the elastic or tension force is active tangentially in the direction of the turns, and an adjustable spring-tensioning member having the fixed end of the spring

secured thereto, said spring-tensioning member being adjustably anchorable on the column to



thereby establish an initial stress in the spring and to secure the fixed end of the spring to the column.

2,471,999
CABLE TENSIOMETER
Adolph Boos, Elmhurst, N. Y., assignor to John Chatillon & Sons, New York, N. Y., a corporation of New York
Application October 30, 1945, Serial No. 625,543
9 Claims. (Cl. 73—144)



1. A cable tensiometer comprising a spring-supported cable contacting member, spaced pressure elements mounted for arcuate movement about a common center to bend the cable around the cable contacting member, and a gauge arranged for actuation in relation to the amount of deflection produced in the cable by the arcuate movement of the pressure elements.

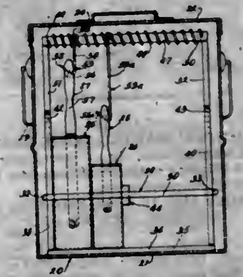
2,472,000
ELECTRICAL JUMPER LINE AND CLAMP THEREFOR
Thomas H. Bowen, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application July 28, 1945, Serial No. 607,543
5 Claims. (Cl. 200—51.07)

1. A clamp adapted for connection to an electrical conductor, comprising a tubular member having opposed elongated slots formed in the wall thereof, a jaw movable with respect to said tubular member and adapted to clampingly engage an electrical conductor, a fixed contact arranged within said tubular member, a movable contact disposed within said tubular member and adapted for movement longitudinally thereof into and out of contact engagement with respect to said fixed contact, opposed pins supported by said movable contact and extended therefrom through the elongated slots of said tubular member, a sleeve which embraces said tubular member and is movable longitudinally with respect thereto, said sleeve being provided with opposed apertures formed through the wall thereof which receive



end portions of said pins, said sleeve being movable longitudinally of said tubular member to move said movable contact out of contact engagement with respect to said fixed contact, and spring means for moving said movable contact into contact engagement with respect to said fixed contact.

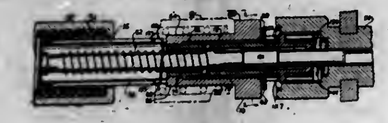
2,472,001
PAINTBRUSH PROTECTOR
Michael Buhoveckey, Cleveland, Ohio
Application July 31, 1944, Serial No. 547,498
6 Claims. (Cl. 206—15.1)



4. A paint brush protector, comprising: receptacle means for containing preservative liquid, said receptacle means including a plurality of open-top receptacles; receiving means for receiving said receptacles in side-by-side relation, said receiving means comprising basket-means including a first pair of spaced substantially parallel elements engageable by opposite sides of said receptacles, and a second pair of elements spaced a lesser distance than said first pair, and substantially parallel to said first pair and disposed with respect thereto so as to be engageable by the bottoms of said receptacles; means for suspending a plurality of brushes in the preservative liquid in said receptacles, respectively, said suspending means including a rod surrounded by a helically

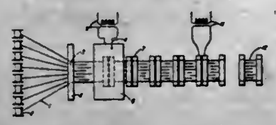
wound wire, and means for supporting said rod so that it is disposed above said receptacles and approximately parallel to said elements.

2,472,002
AUTOMATIC SCREW AND NUT RELEASE
Harry F. Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 16, 1946, Serial No. 669,822
16 Claims. (Cl. 74—2)



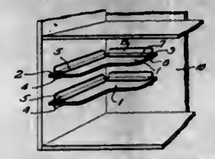
15. In combination, a screw having its thread interrupted adjacent one end, a releasable nut upon the screw including operating means having one position for releasing the nut from the screw and a second position for re-engaging the threads of the screw, spring means for moving the nut relative to the screw in one direction to the place at which the threads are interrupted, projecting means adjacent the place where the threads are interrupted for engaging and moving said operating means to its second position upon movement of the nut in said one direction to the place where the threads are interrupted for re-engaging the threads of the screw, a second spring means acting in a direction opposite the first mentioned spring means for moving the nut out of the interrupted screw threaded portion to the beginning of the screw threaded portion of the screw, means for rotating the screw relative to the nut to cause relative axial movement in the opposite direction to said one direction, and a second projecting means located a predetermined distance from the interrupted portion of the screw for engaging the operating means to move the operating means to its first mentioned position when the nut travels relative to the screw a predetermined distance in said opposite direction for releasing the nut from the screw.

2,472,003
METHOD OF MAKING WIRE BRUSHES
John F. Cunningham, Jr., Greensburg, Pa., assignor to Elliott Company, Jeannette, Pa., a corporation of Pennsylvania
Application May 10, 1945, Serial No. 592,988
6 Claims. (Cl. 300—21)



1. In the method of making wire bristle brushes, the steps comprising clamping a long compact bundle of wires at a pair of closely spaced points, applying a charge of electricity to the wires between said clamped points to burn said wires apart and simultaneously to weld together the burned ends of the wires in each of the two bundles thus formed, and severing the wires of a welded-end bundle at a distance from their welded ends to provide a pack of bristles welded together at one end.

2,472,004
SHELF
John F. Czerniewicz, Mineola, N. Y.
Application February 2, 1946, Serial No. 645,177
1 Claim. (Cl. 211—90)



A shelf including a platform extending substantially perpendicular to two walls meeting one another at right angles and having two meeting edges perpendicular to the two inner upright faces of such meeting walls, upper and lower adhesive strips for each edge of said platform bent into two flanges at substantial right angles to one another, one flange of each upper strip adhesively secured to a horizontal upper plane face of the platform adjacent one of the edges of the platform, one flange of each lower strip adhesively secured to a horizontal lower plane face of the platform adjacent one of the edges of the platform, and the other flange of each strip adhesively secured to the vertical face of one of the adjacent walls.

2,472,005
BOTTLE CARRIER
Jan de Swart, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware
Application December 12, 1944, Serial No. 567,863
11 Claims. (Cl. 224—45)



1. A bottle carrier comprising a single piece of sheet material folded to provide a bottom wall, a top wall and side walls joining said top and bottom walls, said bottom wall being substantially horizontal and having means for supporting by their necks a row of bottles, said top wall overlying the tops of said bottles to form a deck for supporting by their base ends a tier of bottles, and said top wall being provided with handle means.

2,472,006
ADJUSTABLE JIG FOR MANUFACTURING LAMINATED TIMBERS
Cornelius D. Dosker, Louisville, Ky., assignor to Gamble Brothers, Louisville, Ky., a corporation of Kentucky
Application July 15, 1944, Serial No. 545,160
16 Claims. (Cl. 144—259)

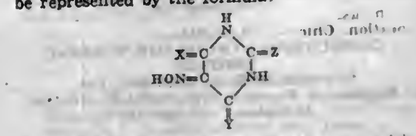


1. An adjustable jig for use in manufacturing laminated timbers comprising: a base having a horizontally-elongated section underlying a work space; a series of upright jig members, positioned at horizontally-spaced intervals along the length of said section and arranged to project upwardly

therefrom toward the work space and to present at their upper ends a series of horizontal, disconnected, longitudinally-spaced, upwardly-facing timber-supporting jig surfaces extending transversely to said section, each jig member having its jig surface carried by an upright leg; means on said base to support said leg for independent movement, both vertically toward and away from the work space and angularly toward and away from adjacent jig members, and adjustable to any of a range of positions in which its jig surface cooperates with the jig surfaces of the other adjusted jig members to form a longitudinally-extending transversely-slotted, lumber-receiving platform facing upwardly into the work space; and means for securing upper and lower portions of each adjusted jig leg rigidly to the base in order to maintain said platform in a rigid condition.

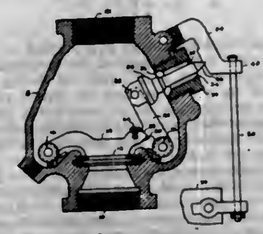
2,472,007
PROCESS OF PREPARING ISOALLOXAZINES
Walter G. Farkas, Palisades Park, and Leo A. Flexser, Elizabeth, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application October 17, 1946, Serial No. 703,716
13 Claims. (Cl. 260—211)

1. The process of producing isoalloxazines which comprises reacting a compound selected from the group consisting of an N-mono-aliphatic substituted phenyl amine and the mineral acid salts thereof with a violuric acid which can be represented by the formula:



X and Y being selected from the group consisting of oxygen and imino, and Z being selected from the group consisting of oxygen, sulfur, imino and cyanimino.

2,472,008
DELUGE VALVE
Howard G. Freeman, Worcester, Mass., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass., a corporation of Massachusetts
Application March 24, 1945, Serial No. 584,568
1 Claim. (Cl. 169—19)



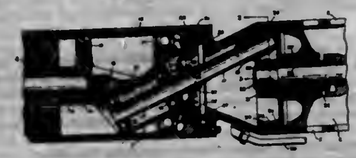
A quick release valve comprising a valve body having a valve seat, a pivotally mounted clapper movable into and out of engagement with said seat, a lever for releasably holding the clapper in closed position against fluid pressure, said lever being pivotally mounted within the valve body and having a surface adapted to overlie and engage the clapper when the lever is in holding position, said surface lying substantially in a plane that includes the pivotal axis of the lever to provide a non-self-locking engagement requiring the application of a holding force on the lever to maintain the clapper closed against fluid pressure, a holding member connected to the lever and extending through an open passage in the valve body to the exterior thereof, said passage being substantially larger than the holding member, means external to the valve body for releasably retaining the holding member against outward movement to cause the lever to maintain the clapper closed against fluid pressure, said external retaining means supporting the holding member substantially centered in the passage and out of contact with the valve body, a beveled valve seat surrounding the passage, and a valve carried by the holding member inwardly of the valve seat and complementary in shape to said seat to provide self-centering sealing engagement therewith upon release of the external retaining means and outward movement of the holding member.

2,472,009
SURGICAL DRESSING
William James Gardner, Cleveland Heights, Ohio, assignor to Cleveland Clinic Foundation, a non-profit corporation of Ohio
Application August 1, 1945, Serial No. 608,122
13 Claims. (Cl. 128—335)



1. A dressing comprising a mid portion of a material having a high elasticity, end portions extending from said elastic mid portion and comprising a stiffening material to which said elastic portion is secured to hold said elastic material against stretching and provide relatively stiff end portions, means for attaching said dressing to the body of a patient comprising metal skin gripping members, said stiffened portion extending beyond said metal portions to provide tabs to facilitate manipulation of the dressing when attaching or removing the same from the patient's body.

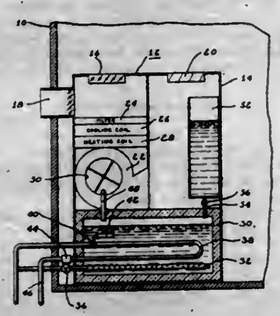
2,472,010
HERMETICALLY SEALED POWER TRANSMITTING MECHANISM
Frederick C. Gilman, Pompton Lakes, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application April 3, 1947, Serial No. 739,232
23 Claims. (Cl. 74—66)



1. In a power transmitting mechanism, a driving shaft, a driving crank connected to said driv-

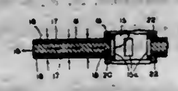
ing shaft, a driven shaft, a driven crank on said driven shaft, a nutating shaft, means connecting said driving crank and said nutating shaft, means connecting said nutating shaft to said driven crank, said last named means being free to move parallel to the axis of the driven crank and also along the nutating shaft to compensate for inaccuracies in relative placement of the nutating shaft and driving crank, and means forming a fluid tight seal between the driving and driven cranks.

2,472,011
AIR TREATING APPARATUS
Charles D. Graham, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 8, 1946, Serial No. 675,363
8 Claims. (Cl. 21—74)



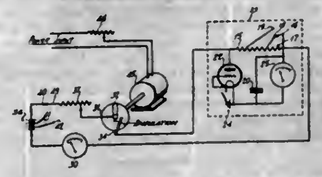
1. In an air conditioning system, the combination of a tank adapted to contain a germicidal solution, a steam pipe disposed within said tank below the liquid level therein for supplying heat to said solution, at least a portion of said pipe having perforations for allowing steam to escape from said pipe into said liquid solution so as to cause vaporization of said solution, and means for directing the resulting vapor into a space to be conditioned.

2,472,012
LIQUID FILTER
Robert Gorden Hanneman, Cleveland, Ohio, assignor to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware
Application August 30, 1946, Serial No. 693,933
4 Claims. (Cl. 210—185)



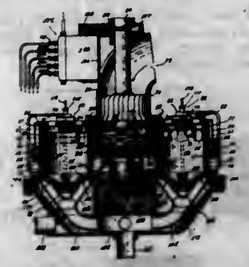
1. A liquid filter element comprising an annular disk having a stiff self-supporting base portion of very porous paper stock of the order of kraft stock, opposite faces of said disk having a contiguous facing layer of paper having much finer fiber spacing than said base portion and of the order of pulp stock, means sealing the outer periphery of said disk against entrance of liquid there, and means for conducting filtrate away from the inner periphery of said disk.

2,472,013
CALIBRATING PEAK CURRENT METER
Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application April 11, 1942, Serial No. 438,592. Divided and this application November 20, 1943, Serial No. 511,158
5 Claims. (Cl. 175—18.3)



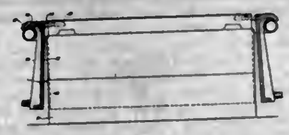
5. A circuit arrangement for calibrating a peak current indicating instrument, comprising a circuit having an instrument indicating steady-state direct current values, the peak current indicating instrument to be calibrated and a circuit interrupting device connected in series, said device comprising a rotatable insulating disc having on one face thereof a radial conductor of uniform width and a stationary brush bearing on said face and arranged to be adjustably positioned at various distances from the center of said disc whereby the open-to-closed ratio of said circuit closer may be varied, and means to connect an adjustable source of direct current to said series circuit.

2,472,014
COMBUSTION SYSTEM FOR TURBINE ENGINES
Raymond E. Heald, Plainfield, Ind.
Application August 2, 1944, Serial No. 547,796
18 Claims. (Cl. 60—44)



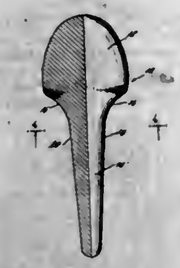
1. A combustion system comprising a stationary outer cell, a cell mounted for rotation within said stationary cell, said outer cell being formed to provide an even number of outlet ports arranged in an annular series, said inner cell being formed to provide one-half as many outlet ports adapted to move into and out of registry with said outer cell outlet ports as said inner cell rotates, a high pressure receiver, a low pressure receiver, one-half said outer cell outlet ports being arranged to discharge into said high pressure receiver and the other half thereof being arranged to discharge into said low pressure receiver, means for rotating said inner cell, and means, including separate inlet ports in said inner and outer cells, for intermittently injecting a mixture of fuel and air into said inner cell and there igniting such mixture.

2,472,015
SLIP-ON JACKET FOR MOLDS
Andrew B. Henkel, Rochester, N. Y.
Application November 29, 1947, Serial No. 788,828
4 Claims. (Cl. 22—112)



3. A slip-on jacket for sand molds comprising plates for supporting engagement with the mold sides, said plates having downwardly and outwardly inclined wedge surfaces thereon, connectors connecting the top portions of adjacent ends of adjacent plates and having means affording bodily movement of said plates toward and from each other and also swinging movement of said plates about said connectors toward and from the sides of said mold a ring embracing said plates and adjustable vertically thereon for wedging said plates into supporting engagement with said mold sides, said plates having outwardly and downwardly inclined flanges along the upper edges thereof, whereby said ring may be raised into engagement with said flanges and swing said plates to downwardly and outwardly inclined positions spaced from said mold sides, for applying and removing said jacket.

2,472,016
MENDING DEVICE
Daniel C. Hungerford, Madison, N. J., assignor to Hungerford Plastics Corporation, New Providence, N. J., a corporation of New Jersey
Application August 21, 1946, Serial No. 692,043
2 Claims. (Cl. 223—100)

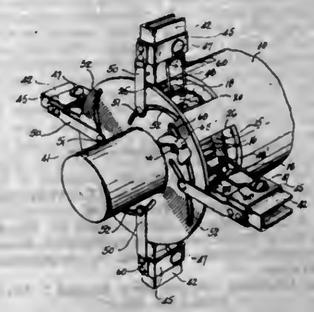


1. In a mending device providing surface for supporting material to be mended, a pair of elongated plastic sections united along a longitudinal center line to form a member having an enlarged head portion at one end and a conical handle portion at the other end, the enlarged head portion having a convex outer surface, the material of said longitudinal sections being formed of strongly contrasting light and dark colors, whereby the device may be easily rotated about its longitudinal axis to present a light or dark surface appropriately contrasting to the material supported.

2,472,017
FOOD PRESERVATION
Frank L. Jungerich, Webster Groves, Mo., assignor to William Peche, St. Louis, Mo.
No Drawing. Application September 12, 1946, Serial No. 696,614
7 Claims. (Cl. 99—154)

1. The method of treating a raw food of a class consisting of fresh fruits and vegetables which have a tendency to discolor by enzymic action when exposed to the air, comprising inactivating those enzymes on the surface thereof which tend to cause discoloration, by the application of heat to same in the presence of acetic acid for a short period in the order of seconds and insufficient to cause any obvious change in the structure of the food, and then removing the same from contact with said acid.

2,472,018
BRUSH LIFTER
Joseph A. Johnson, Seattle, Wash.
Application March 29, 1947, Serial No. 736,187
6 Claims. (Cl. 171—324)



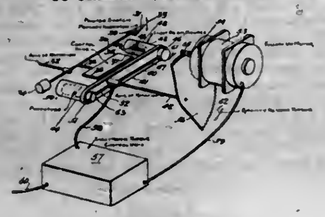
1. A brush lifting device for use in generator assembly and repair comprising a mounting plate adapted to be applied flatly against an end wall of a generator housing and having a hollow hub portion adapted to be holdingly applied to the end bearing of the said generator, arms extended radially from the edges of said plate in alignment with the location of the housing openings and brushes of the generator, a collar slideable along each of the said arms, a second plate rotatable about the hub portion of the first plate, and having cam slots formed therein at intervals corresponding to the spacings of the said arms and spirally inclined relative to the axis of rotation, adjusting bars fixed to the said collars and equipped with means at their inner ends adapted to follow in the cam slots and whereby rotatable adjustment of the said second plate in opposite directions will effect the simultaneous inward and outward adjustment of the said collars, and hooks on said collars adapted, by the full inward adjustment of the collars, to be shifted into lifting contact with the corresponding brushes of the generator and then by an initial outward adjustment of the collars, to lift the brushes clear of the generator's commutator.

2,472,019

FOLLOWING AND RECORDING

Walter J. Kinderman, Philadelphia, Pa., assignor to Yarnall-Waring Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 29, 1946, Serial No. 693,795
35 Claims. (Cl. 250—41.5)



1. In an instrument, a primary indicator having angular movement, a follow-up element having angular movement generally conforming to that of the primary indicator, means for projecting a beam of light from a single source which moves with the follow-up element, means on the primary indicator for variantly eclipsing the beam of light from the single source in accordance with the relative angular positions of the primary indicator and the follow-up element and phototube means for continuously angularly shifting the follow-up element as the primary indicator shifts angularly, and in response to the extent of eclipse of the beam from the single source.

2,472,020

GAS-SHIELDED CARBON ARC WELDING OF MAGNESIUM

Paul Klain, Midland, and Robert B. MacPhail, Bay City, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application August 7, 1946, Serial No. 688,972
5 Claims. (Cl. 219—10)

1. In the inert-gas-shielded refractory electrode arc welding of magnesium and weldable magnesium-base alloys wherein the shielding gas is selected from the class consisting of helium and argon, the improvement which comprises maintaining a welding arc between the work and a carbon electrode and limiting the arc current intensity to a value below that at which carbon dust is deposited on the molten weld metal, such value corresponding to below about 100 amperes per inch of electrode perimeter in the case of a direct-current arc and below about 210 amperes per inch in the case of an alternating-current arc.

2,472,021

PREASSEMBLED IMPEDANCE UNIT

Donald H. Mitchell, Chicago, Ill., assignor to Motorola, Inc., a corporation of Illinois

Original application February 20, 1942, Serial No. 431,722. Divided and this application February 21, 1945, Serial No. 579,003
2 Claims. (Cl. 250—16)

1. In an electrical apparatus including one or more electron tube sockets, each of said sockets having a cylindrical body portion adapted to receive prongs of an electron tube, and a plurality of axially extending connection terminals arranged in generally concentric relation to said body portion, a preassembled impedance unit for use as a component of said apparatus comprising an annular container having an inner opening of such size as to fit closely about said body portion of a tube socket, a plurality of impedance elements of predetermined values fixedly arranged within said container and insulatedly supported



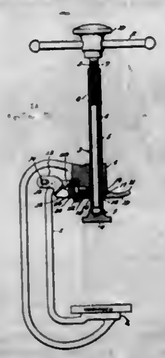
thereby, and electrical conductors extending from said impedance elements out of said container, said container having an axial dimension not greater than the overall axial dimension of said tube socket body portion and said connection terminals, whereby said impedance unit may be disposed within the axial limits of and surrounding the space occupied by said socket body portion and said terminals.

2,472,022

QUICK-ACTING C-CLAMP

Ernest C. Neal, Chicago, Ill., assignor of one-half to Elmer Brandell, Chicago, Ill.

Application July 30, 1945, Serial No. 607,781
3 Claims. (Cl. 144—305)



2. A clamp embodying a body forming a yoke, a stationary jaw at one end of the yoke, a bearing at the other end of the yoke, a sleeve slidably mounted in said bearing, a rod within the sleeve, movable with the sleeve and with respect to the sleeve in directions lengthwise thereof, a jaw carried by one end of said rod beyond the sleeve, for co-operating with the first said jaw, a locking member disposed within the yoke adjacent said bearing and having an opening in alinement with the opening in the bearing, and through which opening said sleeve passes, means for adjusting the rod with respect to the sleeve to force the jaw on the rod toward the other jaw, means loosely connecting one end of the locking member to the body of the clamp, a hand-engaging portion on the other end of the locking member, guide means secured to the clamp body and loosely associated with the locking member, resilient means mounted on said guide means and supported thereby tending normally to move the locking member in one direction to grip the sleeve, said resilient means being mounted within a recess in said locking member, and said locking member and guide means being disposed within the clamp adjacent one of the yoke arms, and resilient means tending normally to move the rod through the bearing, to move the jaw on the rod away from the jaw on the yoke.

2,472,023

METHOD OF FORMING WOOD ASSEMBLIES

Joseph A. Potchen, Grand Rapids, Mich., assignor, by mesne assignments, to William B. Scarborough, Englewood, N. J., as trustee

Application January 19, 1944, Serial No. 518,890
2 Claims. (Cl. 154—133)



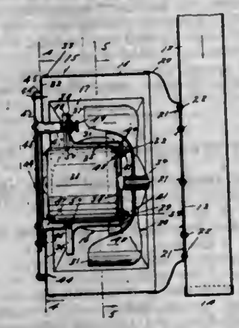
1. The method of fabricating a plurality of like assemblies of molded wood, which comprises placing a layup of an assembly in position on the rigid forming surface of a die, covering the material in position on the die with an uncured flexible blanket capable of being molded and set to a predetermined contour, and subjecting the blanket to pressure and heat to mold and set the blanket to the contour of the assembly.

2,472,024

BLOWER FOR VENTILATORS

Carl W. Olson, Minneapolis, Minn., assignor to Electro Specialty Manufacturing Co., Inc., Minneapolis, Minn., a corporation of Minnesota

Application April 30, 1947, Serial No. 744,859
4 Claims. (Cl. 230—117)



3. In a ventilator, an intake hood, a suction pipe leading from the hood, a cylindrical housing detachably secured at one of its ends to the pipe, said pipe and housing having coincident communicating openings, said housing having in its side a discharge opening and in its other end an entrance passageway, a displaceable mounting plate closing the entrance passageway, a cup-like motor holder on the mounting plate in the housing, an electric motor in said holder, secured to the closed end thereof and spaced from the sides thereof, a bell-shaped body member on the armature shaft of the motor and capping the closed end portion of the motor holder, and a plurality of blades on the body member for rotation about the motor holder.

2,472,025

METHOD OF TREATMENT OF MAGNESIUM-BASE ALLOYS

John S. Peake, Bloomington, Ind., and Frank E. Robbins, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application November 5, 1947, Serial No. 784,302
4 Claims. (Cl. 75—67)

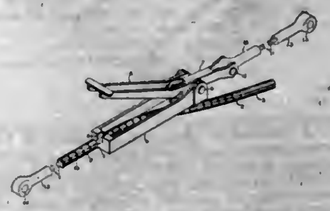
1. The method of treating an aluminum-containing magnesium-base alloy which comprises maintaining the same in the molten state at a casting temperature in contact with a saline flux therefor, the flux having about 0.1 to 5 per cent of a carbide of an alkaline earth metal in admixture therewith, separating the so-treated metal from the flux, and casting the separated metal.

2,472,026

ADJUSTABLE MOORING CABLE

Kenneth L. Peck, United States Navy, and Reinhold F. Balmer, United States Navy, Philadelphia, Pa.; said Balmer assignor to said Peck

Application July 25, 1946, Serial No. 686,098
4 Claims. (Cl. 24—115)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. In a mooring device using cables, means for drawing two cable ends together comprising a series of spacers slidably mounted on one of the cable ends, a stop at the extremity of said first cable end beyond the spacers, a toggle lever linkage having a lever handle pivotally connected at a point spaced from its inner end to the second cable end, and a U-shaped yoke member having its open end pivotally connected to the inner end of the lever handle and having a slot in its closed end for receiving said first cable end between a pair of the spacers whereby said cable end may be inserted in the slot, taking up manually all of the slack between the cable ends by moving as many spacers as possible beyond the slot with the lever handle in the full extended position of the linkage, so that when the lever handle is operated the linkage will be shortened to tighten the cable ends.

2,472,027

AUSTENITIC CAST IRON

Alfred Gordon Evans Robiette, Bovingdon, and Peter Francis Hancock, Birmingham, England, assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 10, 1946, Serial No. 682,592. In Great Britain October 20, 1943

4 Claims. (Cl. 148—21.8)

1. A process for producing a malleable casting from an austenitic white cast iron composition in which manganese is the principal alloying element and which contains free carbides in the as cast condition, said process comprising making an austenitic white cast iron casting containing about 2% to 5% nickel in addition to about 9% to 18% manganese, 3% to 6% carbon, 1.5% to 4.5% silicon, not more than 0.15% phosphorus and the balance essentially iron, treating said casting made of said nickel-containing austenitic white cast iron between about 1000° C. and 1100° C. for more than five hours to graphitize substantially all the free carbides while retaining an austenitic matrix structure, and rapidly cooling the thus-treated casting from within the range of about 900° C. to 1150° C.

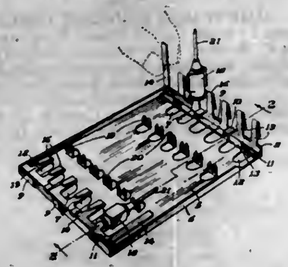
2,472,028

STERILIZING TRAY FOR HYPODERMIC NEEDLES AND THE LIKE

Anthony J. Son, Boston, Mass., assignor to Sonco, Inc., Boston, Mass., a corporation of Massachusetts

Application November 30, 1946, Serial No. 713,211

10 Claims. (Cl. 21—105)



1. A sterilizing tray for hypodermic needles having their hubs formed each with a tip receiving bore, said tray comprising a base, a member including an arm and a plurality of fingers spaced substantially in parallel therewith, each of said fingers terminating in a bore entering head to detachably connect a needle hub to said member, and hinge means connecting said member to said tray so that the needles on said member may be moved by said arm from a position in which they are in a plane substantially in parallel with said base to a position substantially perpendicular thereto.

2,472,029

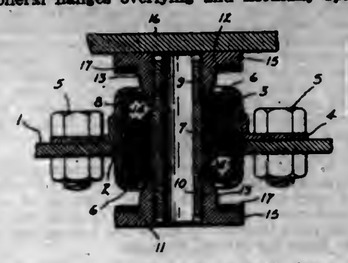
VIBRATION DAMPING MOUNTING

Leon F. Thiry, Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application December 4, 1944, Serial No. 566,416

8 Claims. (Cl. 248—358)

5. A vibration damping support comprising a sleeve, a post extending centrally through the sleeve, a bushing of elastic material confined under radial compression between the sleeve and post, two collars on said post provided with peripheral flanges overlying and normally spaced



axially from opposite ends of said sleeve, and snubbing cushions of elastic material mounted upon the inner faces of said flanges.

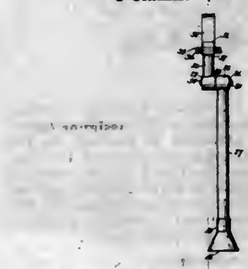
2,472,030

BATHTUB SHOWER BATH APPLIANCE

Ivar V. Thulin, Upper Darby, Pa.

Application February 5, 1946, Serial No. 645,595

3 Claims. (Cl. 4—148)



1. A bathtub shower bath appliance comprising a tubular arm removably connected to a bathtub faucet and in direct communication with the spout of said faucet and extending downwardly therefrom, a long tubular arm pivotally hinged to the lower end of said short arm and communicating with the latter, and a spray head rotatably and removably mounted on the outer end of said long arm, the long arm being swingable from a depending position contiguous the adjacent end wall of the tub and to one side of a vertical plane parallel with said end wall and bisecting the faucet spout, to an elevated position on the opposite side of said plane entirely within the tub.

2,472,031

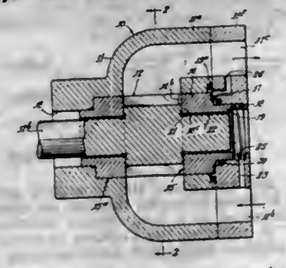
PUMP WITH PRESSURE LOADED STEPPED BUSHING

Edmund F. Wichorek, Euclid, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application July 31, 1946, Serial No. 687,379

4 Claims. (Cl. 103—126)

1. In a pressure loaded rotary liquid displacement device of the type, including a housing, rotary liquid displacement means received within said housing; means defining an axially adjustable bushing having a radially extending flange formed with a pressure responsive surface for effecting a liquid seal engagement with said rotary liquid displacement means, said bushing being further formed with a reduced axial tubular extension received in a corresponding reduced bore in said housing said tubular portion having an uninterrupted external surface, an O-ring seal member positioned between said tubular extension and said housing bore; said arrangement being particularly characterized by the formation



of an enlarged step in the inner open terminal of said reduced bore for the reception of said seal ring, said tubular extension being embraced by said step, said O-ring seal being located within said enlarged step in sealing contact with the outer surface of said reduced tubular extension; and means for directing pressure liquid to said pressure responsive surface.

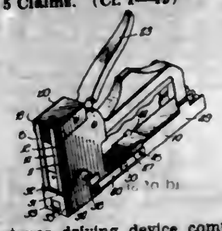
2,472,032

MAGAZINE CLOSURE FOR STAPLING MACHINES

Oscar A. Wandel, Chicago, Ill., assignor to Henry A. Torstenson, Chicago, Ill.

Application July 10, 1947, Serial No. 760,059

5 Claims. (Cl. 1—49)



1. In a fastener driving device comprising a head having a vertical fastener driveway and a staple driving blade operable in said guideway, a movable front wall section for said guideway provided with flanges which extend rearwardly in engagement with the side walls of the head, said flanges being provided with rearwardly opening notches, indexing studs which project laterally of the side walls of the head into the rearwardly opening notches in the flanges for positioning the flanges accurately when the same are moved into their rearmost positions, and means for positively locking the flanges in their rearmost position including a pair of pivotally connected link elements pivoted to one of said flanges and to said side walls.

2,472,033

SPORTSMAN'S HAT

Earl W. Wetzel, Milwaukee, Wis.

Application February 24, 1947, Serial No. 730,373

7 Claims. (Cl. 2—4)

4. In a hat having a first brim, a second brim spaced below said first brim to form a pocket therebetween, reticulated material connected to one of said brims and having a portion adapted to be suspended therefrom to form an insect



screen, and releasable means connected to one of said brims and coacting with the other of said brims to maintain said reticulated material concealed in said pocket when not in use as a screen.

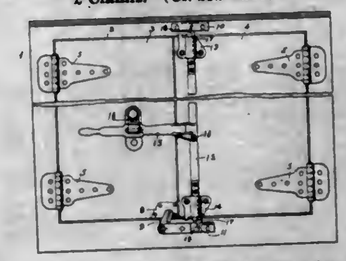
2,472,034

DOOR OPENING MECHANISM

Keith Williams, Buffalo, N. Y.

Application May 12, 1945, Serial No. 593,409

2 Claims. (Cl. 292—241)



1. A bearing cap member for a rotary bar and crank arm door operating mechanism, said bearing cap being adapted to be fixed to the door to form at least a part of the bearing surface for the rotary bar and said bearing cap being provided with an integral axially extending lug adapted to project beyond the margin of the door and into the path of said crank arm thereby to form a stop to prevent excessive rotation of said operating mechanism.

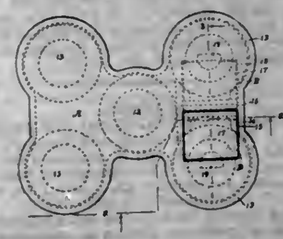
2,472,035

COMBINED SPRING AND FRICTION SHOCK ABSORBER

Keith Williams, Buffalo, N. Y.

Application August 19, 1946, Serial No. 691,582

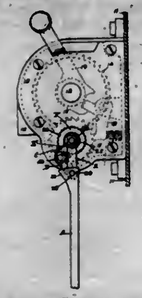
4 Claims. (Cl. 267—9)



1. In a shock absorber, the combination with a pair of follower plates relatively movable toward each other, each plate having a recess therein; of a pair of relatively movable friction

elements in lengthwise sliding frictional contact with each other, each of said elements having a base flange at one end thereof, said elements being interposed between said follower plates with the base flanges thereof accommodated in the recesses of said plates respectively; a fulcrum lip at the outer end of the base flange of each element protruding from the recess of the corresponding plate over the inner side of said plate and having rocking bearing engagement with the latter; and spring means interposed between said plates and having bearing engagement with said flanges of said elements respectively for pressing the latter into tight frictional contact.

2,472,036
OPERATING HANDLE LEVER MEANS FOR ROTARY HAND BRAKES
Keith Williams, Buffalo, N. Y.
Application August 20, 1947, Serial No. 769,608
3 Claims. (Cl. 74—151)



1. In operating means for the rotary chain-tightening element of a hand brake, the combination with a toothed wheel operatively connected to the rotary tightening element for rotating said rotary tightening element, said wheel being rotatable about a horizontal axis; of a link swingingly supported for rotation about the axis of rotation of said wheel; an actuating lever pivoted to the lower end of said link; a second link pivoted at one end to said lever; a third link pivoted at its lower end to the upper end of said second named link and supported at the upper end for swinging movement about the axis of rotation of said wheel, said last named link being guided for sliding movement at its upper end; a locking dog carried by the pivotal connection of said second and third links; and a short arm on said lever engageable with said second named link by relative swinging movement of said arm and first named link to rock said second named link toward said first named link to force the dog into gripping engagement with said wheel.

2,472,037
METHOD FOR FINISHING POLYMERS
Walter A. Wurth, Cranford, and Stanley C. Lane, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application January 16, 1946, Serial No. 641,611
4 Claims. (Cl. 260—93)

1. In a process for finishing solid, high molecular weight rubbery polymers prepared from isobutylene at temperatures between —40° C. and —160° C. in the presence of a Friedel-Crafts catalyst, in which process the cold polymer product and associated low boiling materials including unreacted monomer and diluents are discharged into a heated liquid medium in order to flash off said associated low boiling materials and to form a slurry of polymer particles in said liquid medium; the improvement which comprises separating wet polymer particles from said liquid

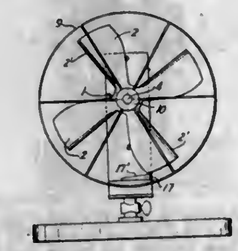


medium, and subjecting the separated polymer particles to screw extrusion through an extrusion zone maintained at a temperature between 150 and 450° F. whereby the polymer is essentially freed of residual liquid and simultaneously compacted.

2,472,038
ULTRA HIGH FREQUENCY METERING DEVICE AND METHOD
Stephen Yando, Long Island City, N. Y., assignor of fifteen per cent to Edward Pious, New York, N. Y.
Application January 15, 1945, Serial No. 572,868
10 Claims. (Cl. 171—95)

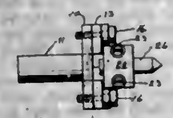
1. In the method of determining voltage in an U. H. F. transmission line, the steps which consist in projecting an electron beam of known transit angle and of appreciable width with respect of the wavelength of the U. H. F. voltage to be measured, across a dielectric space containing the guided electromagnetic wave whose voltage is to be measured at the position of maximum voltage along the standing wave, assuming a standing wave does exist, so as to result in the velocity modulation of said beam, applying a measured decelerating voltage to said beam, and noting the point of zero space current to a collector anode in the path of said beam, as the point where correlation exists between the decelerating voltage and the maximum voltage of the standing wave, then projecting said beam through the electromagnetic field at the position of minimum voltage along the standing wave so as to result in the velocity modulation of said beam, applying a measured decelerating voltage, and noting the point of abrupt change in the slope of the space current to the collector anode as the point where correlation exists between the decelerating voltage and the minimum voltage of the standing wave.

2,472,039
ELECTRIC FAN
Erhard Zacharias, New York, N. Y.
Application December 9, 1946, Serial No. 715,090
5 Claims. (Cl. 230—259)



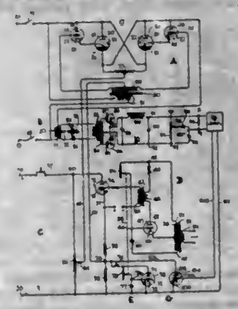
1. An electro-magnetic fan comprising a salient pole magnetic stator provided with an energizing winding; a magnetic rotor for cooperating with the stator, said rotor consisting of a revolving armature comprising a revolving shaft provided with fan blades as rotor poles, said blades made of a material that is attracted by the magnetic forces generated in said stator; a make-and-break device connected in series relation with said energizing winding of the stator; means operated by rotation of said rotor for energizing and de-energizing said stator and thereby opening and closing said make-and-break device; and detent means likewise operated by rotation of the rotor for automatically positioning the rotor in an unbalanced magnetic relation to the stator as the circuit is broken and the rotor is brought to a standstill, whereby the fan becomes self-starting if switched on again.

2,472,040
TOOLHOLDER
Donald W. Brookfield, Sharon, Mass., assignor to Brookfield Engineering Laboratories, Incorporated, Sharon, Mass.
Application December 5, 1946, Serial No. 714,321
6 Claims. (Cl. 29—96)



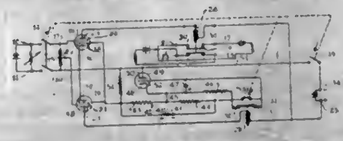
1. A tool holder comprising a body member having a shank and having an inner face perpendicular to the axis of the shank, a tool clamping member having an inner face parallel to said face, in contact therewith and slidable in transverse directions thereon, means for clamping said members together, said clamping member having a shoulder portion with a substantially V-shaped recess therein, said recess having sides extending in planes substantially parallel to said axis and tool clamping means extending into said recess.

2,472,041
WELD CONTROL SYSTEM
Henry Richard Davies, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 31, 1944, Serial No. 528,166
14 Claims. (Cl. 219—4)



1. In an electrical system including a power source, a load unit adapted to receive a voltage variable load, and a translating device connected to said unit for indicating load voltage variation, said device comprising an operating circuit including a resistor and plural means connected to said circuit for short-circuiting said resistor, one of said means functioning on conclusion of a predetermined time period of power supply, and another of said means functioning on load voltage change.

2,472,042
PERCENTAGE POWER CONTROL APPARATUS
Richard Stillman Davies, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 5, 1944, Serial No. 529,621
22 Claims. (Cl. 219—4)

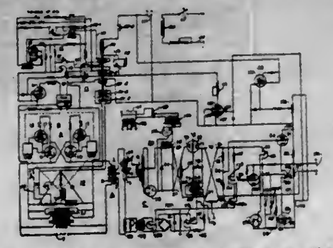


1. In an electric control system, an electric power unit subject to voltage change from an initial voltage, a control element adapted for connection to said power unit and having a voltage variable with that of said unit, percentage means for establishing, as a standard, a voltage at a fixed percentage of the initial unit voltage, and a conductor connected to said element and power unit adapted to be energized at a change of the initial voltage to said standard voltage, said standard percentage being constant for varying values of initial voltage.

2,472,043
ELECTRICAL CONTROL SYSTEM
Edwin M. Callender, Cynwyd, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 23, 1945, Serial No. 630,401
18 Claims. (Cl. 322—4)

2. In a system of power supply control including a power source and a load unit receiving

power from said source and subject to voltage change, load controlled circuital apparatus comprising a comparator connected to the load for fixing a component of the load voltage prior to voltage change for comparison with subsequent load voltage values, percentage means for fixing the percentage of voltage change effective to actuate said apparatus, and power means effective on change of comparator voltage to the set percentage value to operate said apparatus, said percentage means comprising a linear potential divider, an electrical bridge connected to the divider normally underbalanced to prevent load control actuation, but becoming overbalanced to cause said apparatus actuation on development of a voltage change in said comparator.

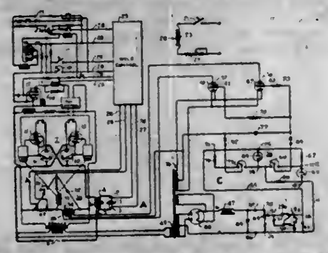


2,472,044

ELECTRIC CONTROL APPARATUS FOR VARIABLE LOADS

Herbert Doane Van Selver, II, Merion, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 14, 1946, Serial No. 676,653
10 Claims. (Cl. 219—4)



1. A control system comprising a load circuit, a source of alternating current for supplying current to said load circuit, heat control means including a phase shift bridge having a variable impedance in one arm thereof for changing the current supply to said load circuit, and phase shift means for changing the impedance and phase of said bridge continuously during supply of current to said load circuit whereby the current supply to the load is progressively changed.

2,472,045

FLUID PRESSURE MEASURING DEVICE

Chester H. Gibbons, Drexel Hill, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania

Application December 12, 1945, Serial No. 634,422
5 Claims. (Cl. 201—63)

1. A fluid pressure measuring device comprising, in combination, a movable member exposed to fluid pressure which is to be measured, a strain responsive element having one portion held against movement and another portion connected to said movable member whereby strains are induced in said responsive element in response to fluid pressures acting on said movable member, electrical strain gages connected to said strain responsive element so that the gages are responsive directly to the strains induced in the element itself and thereby act as an index of the fluid pressure to be measured, and means for imposing an initial preload on said strain responsive element to induce strains therein in addition to those induced by the fluid pressure.

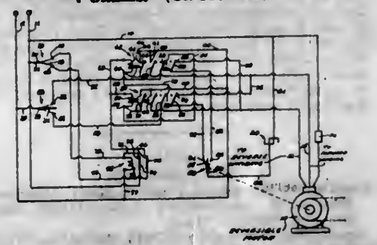


2,472,046

BRAKING MEANS FOR ELECTRIC MOTORS

Glen Malcom, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana

Application June 28, 1946, Serial No. 679,965
7 Claims. (Cl. 318—31)



1. For use with a reversible electric motor having a forward winding and a reverse winding, an energizing circuit for said forward winding, an energizing circuit for said reverse winding, and switch means dominating said circuits, said switch means including a switch arm movable between a position establishing the circuit for one of said windings and a position breaking said one circuit, a capacitor, and a second arm movable with said switch arm and operative to connect said capacitor between the ends of the other of said windings upon movement of said first switch arm to said last-named position.

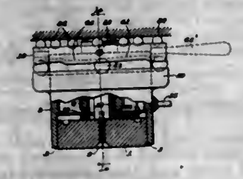
2,472,047

ELECTRICAL LOAD WEIGHING APPARATUS

Arthur C. Ruge, Cambridge, Mass., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania

Application March 14, 1946, Serial No. 654,246
10 Claims. (Cl. 201—63)

1. A load weighing device comprising, in combination, a base and an axially extending supporting structure, a load transmitting piston having an axially extending bore, one end of which terminates at a closed end of the piston and the other end of which is open, a load sensitive element supported at one end on said base and its other end extending through said open end into said bore for load transmitting contact with said closed end of the piston whereby the sensitive element is operated in accordance with load acting on said piston, a plurality of means spaced axially of said piston and operatively connected to said supporting structure for laterally supporting and guiding the piston so that an axial component of load is transmitted to said load sensitive element substantially independent of lateral and eccentric load effects on the piston, and means responsive to the load acting on said sensitive element.
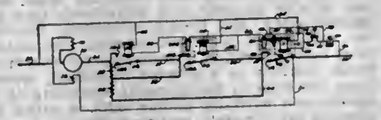


2,472,048

ELECTRIC CIRCUIT CONTROLLER

John D. Russell and James W. Woolf, Franklin, Pa., assignors to Joy Manufacturing Company, Franklin, Pa., a corporation of Pennsylvania

Application November 1, 1943, Serial No. 508,472
14 Claims. (Cl. 318—403)



6. In a series motor circuit having a resistance in series, the combination of an electric circuit controller consisting of a coil mounted on a core with a return magnetic path to an armature arranged to be attracted to the core when the coil is energized and biased to move away when the coil is de-energized, magnetic means connected to one end of the core and providing a second magnetic path extending around the coil toward the other end of the core, said second magnetic path having a fixed gap intermediate of its ends, a magnetic part interposed in said gap, an enclosed magnetically operable mercury switch on each side of said part and operated by the flux across the gap, switch means connected to initially energize the coil, magnetic means carried by the armature for closing the magnetic path to the other end of the core when the coil is energized and the armature is attracted to the core for operating said mercury switches, a holding circuit to said coil closed by one of said mercury switches to bridge the switch means, a contact carried by the armature and connected for supplying current to the series motor circuit, a circuit closed by the other mercury switch to shunt the series resistance of the motor circuit, and means causing a time delay in the operation of said other mercury switch.

2,472,049

RELIEF VALVE

Frederick W. Schneck, Pacific Palisades, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application December 3, 1945, Serial No. 632,325
2 Claims. (Cl. 137—53)



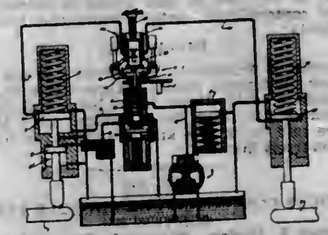
1. A relief valve comprising: a body member having a bore extending therethrough and means for closing opposite ends of said bore; a pressure port communicating with said bore adjacent one end thereof and a relief port communicating with said bore at a point longitudinally spaced from said pressure port; an annular valve seat member slidably positioned in sealing relation with said bore between said pressure and relief ports, said seat member having a poppet seat at its pressure end and a valve stem passage of lesser diameter than the seat passage adjacent its other end; a poppet valve having a stem extending through said valve stem passage and reciprocable with respect to said seat member between open and closed positions; spring means interposed between said seat member and the closure means at the relief port end of said bore; a stop element supported by the closure means at the relief port end of said bore and projecting axially into said bore for engaging said stem in response to predetermined movement of said poppet valve with said seat member; and means including said valve stem defining a restricted fluid passage of appreciable resistance between said valve seat and said relief port.

2,472,050

GOVERNING APPARATUS

Dana R. Staples, Ridley Park, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania

Application November 27, 1943, Serial No. 512,080
4 Claims. (Cl. 264—7)



1. A metering apparatus for allowing transmission of periodic impulses of controlling fluid to control the power output of a speed governor controlled engine-generator unit comprising a metering valve operative to allow transmission of only periodic impulses of a controlling fluid at any

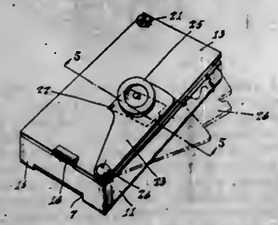
time during normal operation, means controlled by the rotation of the engine for actuating said valve so that the frequency of said controlling impulses is in accordance with the speed of the unit, and said valve having means controlled by the governor for also varying the capacity of the periodic impulses of the metering valve in accordance with the unit speed.

2,472,051

BLADE-DISPENSING CONTAINER

Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application November 15, 1946, Serial No. 710,063
5 Claims. (Cl. 206—16)



4. A blade dispenser including walls and a stationary cover forming an elongated enclosure having a side outlet slot, means for locating a stack of corner-notched blades in superposed relation within the enclosure, a fulcrum member located wholly within the enclosure and fitting the notches in one corner of the said blades, and means movable from outside the enclosure for swinging the uppermost blade from its position in the stack, about the said fulcrum member and outwardly through the said outlet slot.

2,472,052

LIQUID SULFUR DYE COMPOSITION COMPRISING AN ALKYLOL AMINE

Robert Carland Conn, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 29, 1946, Serial No. 658,233
4 Claims. (Cl. 8—37)

1. A process of preparing a liquid sulfur dye composition which comprises heating a mixture of a mono-alkylol amine and a sulfur dye until said sulfur dye is reduced and a stable dispersion of the dye in said amine is formed, the said mono-alkylol amine having the following formula:

$$HO—R—NH_2$$

wherein R represents an alkylene group containing not more than 5 carbon atoms and the amount of said alkylol amine being sufficient to maintain the sulfur dye in reduced form, to dissolve said sulfur dye and to render the composition freely fluent.

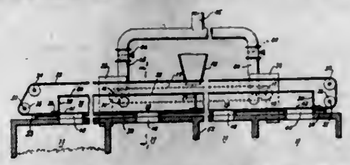
2,472,053

DUST COLLECTOR FOR SHUTTLE FEED CONVEYERS

Morton I. Dorfan, Pittsburgh, Pa., assignor to American Wheelabrator & Equipment Corporation, a corporation of Delaware

Application October 26, 1946, Serial No. 706,039
6 Claims. (Cl. 209—147)

1. In an installation for the removal of dust from a plurality of stations, particularly bins, each station being provided with a dust exhaust port, all dust exhaust ports being arranged in line, the station being chargeable by a loading means adapted to be moved into unloading position with respect to any of said stations, the combination of an elongated suction chamber extending the length of said stations adjacent said exhaust ports; a movable belt forming a wall of said chamber, said belt normally covering said



exhaust ports and having an aperture therein through which air is admitted into said chamber, said aperture being movable into registry with any of said ports; means for exhausting air from said chamber; and means for moving said belt relatively to the remainder of the suction chamber to follow with its aperture the position of said movable loading means, whereby dust may be removed at any of the stations being loaded without the use of flexible duct connections.

2,472,054

RUBBERLIKE ARTICLES AND METHOD OF MAKING SAME

George H. McFadden, Columbus, Ohio, assignor to The Ohio State University Research Foundation, Columbus, Ohio, a corporation of Ohio

Application September 25, 1948, Serial No. 51,238
22 Claims. (Cl. 260—723)

10. In the manufacture of sponge rubber articles, the steps comprising: aerating latex, mixing suitable compounding ingredients into said aerated latex, and finally controlling the time for gelation of said aerated and compounded latex by the addition thereto of a predetermined small quantity of a delayed coagulant, selected from the class of fluotitanates consisting of the soluble and partially soluble salts of alkali and alkaline earth metals, and ammonium.

16. In the manufacture of articles from aqueous dispersions of rubber-like materials, taken from the class consisting essentially of: natural rubbers, polychloroprene and butalastic polymers including a single ethylenic double bond >C=C< which are copolymerizable with butadiene-1,3 hydrocarbon in aqueous emulsion; the step of reacting an alkaline dispersion of rubber-like material with a relatively small quantity of salt of fluotitanic acid selected from the class consisting of the soluble and partially soluble salts of the alkali and alkaline earth metals and ammonium, the quantity of salt controlling the degree and speed of gelling of said dispersion.

2,472,055

RUBBERLIKE ARTICLES AND METHOD OF MAKING SAME

George H. McFadden and John F. Lyman, Columbus, Ohio, and Amos G. Horney, Merrifield, Va., assignors to The Ohio State University Research Foundation, Columbus, Ohio, a corporation of Ohio

No Drawing. Application October 2, 1948, Serial No. 52,588
15 Claims. (Cl. 260—723)

2. In the manufacture of articles from aqueous dispersions of rubber-like materials, taken from the class consisting of: natural rubbers, butadiene-acrylonitrile copolymers, butadiene-styrene copolymers and polychloroprene, the step of reacting an alkaline dispersion of rubber-like material with suitable small quantities of a soluble material taken from the class consisting of the alkali and alkaline earth metal fluozirconate, the quantity of said salt controlling the degree and speed of gelling of said disperson.

10. A new composition of matter for use in the production of sponge rubber articles comprising: a foamed and compounded latex having admixed therewith a predetermined small quantity of a delayed coagulant consisting of ammonium fluozirconate.

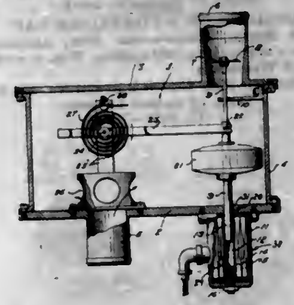
2,472,056

FLOWMETER

Russell M. Otis, Pasadena, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware

Application December 11, 1944, Serial No. 567,629
9 Claims. (Cl. 73—209)

1. A flow meter comprising: a throat for the flow therethrough of fluid to be metered; a movable system, including a member associated with said throat, and movable throughout a limited range in response to variation in differential pressure between the upstream and downstream sides of said member, both of said sides of said member being located within said throat throughout said range of movement of said member, said movable system having an effective buoyancy volume, the buoyancy of which tends to move said member in the same direction as that tended to be induced by said differential pressure; and means acting on said movable system with a predetermined force component, substantially independent of acceleration, tending to move said member in the opposite direction to that induced by said differential pressure, the sum of the effective force of said means and the

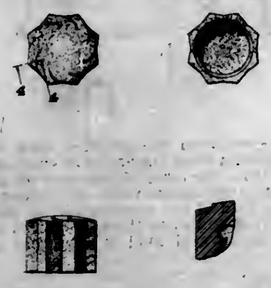


force of gravity on the effective mass of said movable system being substantially equal and opposite to twice the force of buoyancy on said effective buoyancy volume when said system is immersed in fluid of the same density as the fluid to be metered and when the acceleration on said system and on said fluid is only that due to gravity.

DESIGNS

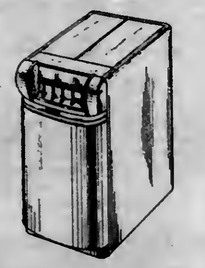
MAY 31, 1949

153,912
DESIGN FOR A CONTAINER CAP
Leonard Baron, Wauwatosa, Wis., assignor to Hobar Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application May 10, 1948, Serial No. 140,257
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a container cap, as shown.

153,913
DESIGN FOR A DISHWASHING MACHINE
Thomas Stephen Bartlett, London, Ontario, Canada
Application January 29, 1949, Serial No. 571
In Canada August 6, 1948
Term of patent 14 years
(Cl. D49—1)



The ornamental design for a dishwashing machine, as shown and described.

153,914
DESIGN FOR A HAND LUGGAGE CASE
George G. Barton, Racine, Wis., assignor to Hartmann Company, Racine, Wis., a corporation of Wisconsin
Application December 31, 1947, Serial No. 143,464
Term of patent 14 years
(Cl. D87—5)



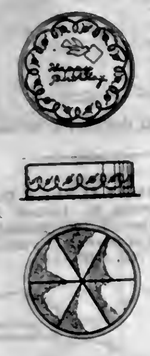
The ornamental design for a hand luggage case, as shown.

153,915
DESIGN FOR A BELT FOR WEARING APPAREL
Bernell J. Bequette, Arvada, Colo.
Application January 9, 1948, Serial No. 143,631
Term of patent 7 years
(Cl. D3—10)



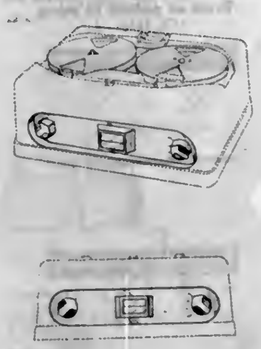
The ornamental design for a belt for wearing apparel, as shown.

153,916
DESIGN FOR A CONTAINER FOR CANDY OR THE LIKE
Sidney H. Berg, East Orange, N. J., assignor to Loft Candy Corporation, Long Island City, N. Y., a corporation of New York
Application October 29, 1946, Serial No. 134,367
Term of patent 3½ years
(Cl. D58—13)



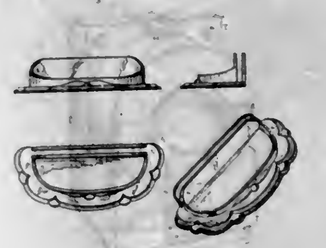
The ornamental design for a container for candy or the like, as shown.

153,917
DESIGN FOR A DICTATING MACHINE OR SIMILAR ARTICLE
Emmanuel Berlant, Culver City, Calif., assignor to Berlant Associates, Los Angeles, Calif., a partnership
Application November 19, 1948, Serial No. 149,728
Term of patent 14 years
(Cl. D26—14)



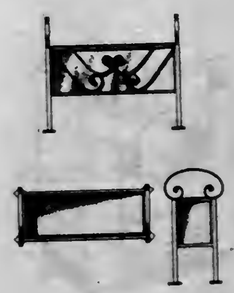
The ornamental design for a dictating machine or similar article, substantially as shown and described.

153,918
DESIGN FOR A COMB HOLDER OR THE LIKE
Milton W. Bernstein, Leominster, Mass., assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application December 24, 1947, Serial No. 143,316
Term of patent 14 years
(Cl. D86—10)



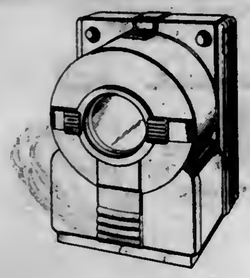
The ornamental design for a comb holder or the like, substantially as shown.

153,919
DESIGN FOR A FLOWER BASKET
Albert Berra, Eveleth, Minn.
Application October 21, 1946, Serial No. 134,148
Term of patent 14 years
(Cl. D35—3)



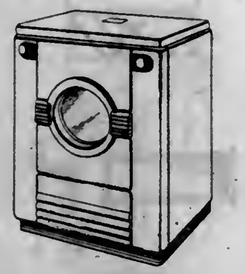
The ornamental design for a flower basket, as shown.

153,920
DESIGN FOR A WASHING MACHINE
Melvin H. Boldt, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application July 31, 1948, Serial No. 147,882
Term of patent 14 years
(Cl. D49—1)



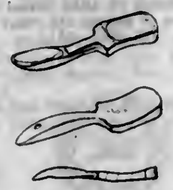
The ornamental design for a washing machine, as shown and described.

153,921
DESIGN FOR A WASHING MACHINE CABINET
Melvin H. Boldt, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application July 31, 1948, Serial No. 147,863
Term of patent 14 years
(Cl. D49—1)



The ornamental design for a washing machine cabinet, as shown and described.

153,922
DESIGN FOR AN EAR SPATULA
Nicholas F. Brignola, Troy, N. Y.
Application May 20, 1947, Serial No. 139,162
Term of patent 14 years
(Cl. D63—1)



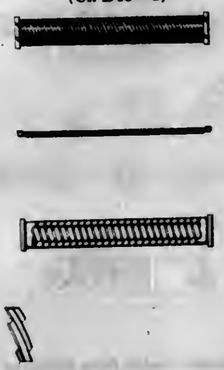
The ornamental design for an ear spatula, as shown.

153,923
DESIGN FOR LAUNDRY TONGS
Paul H. Brown, Sr., Detroit, Mich.
Application October 15, 1948, Serial No. 149,118
Term of patent 14 years
(Cl. D49—1)



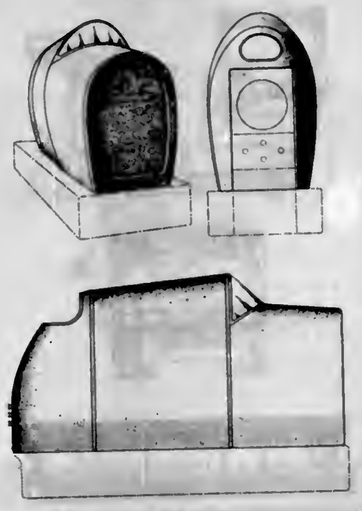
The ornamental design for laundry tongs, as shown.

153,924
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Alfred Corbi, Pawtucket, R. I., assignor to Acco Mfg. Co., Inc., a corporation of Rhode Island
Application February 11, 1948, Serial No. 144,400
Term of patent 14 years
(Cl. D45—4)



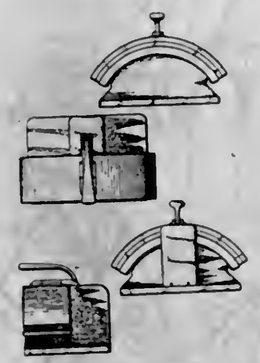
The ornamental design for a bracelet or similar article, substantially as shown.

153,925
DESIGN FOR A FLIGHT TRAINER HOOD
Richard C. Dehmel, Summit, N. J.
Application September 14, 1946, Serial No. 688,827
Term of patent 3½ years
(Cl. D71—1)



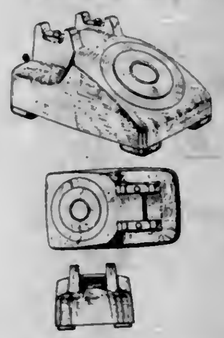
The ornamental design for a flight trainer hood, substantially as shown and described.

153,926
DESIGN FOR A COLLAR CUFF IRON
Harry N. Dixon, North Hollywood, Calif.
Application July 2, 1948, Serial No. 147,355
Term of patent 14 years
(Cl. D49—6)



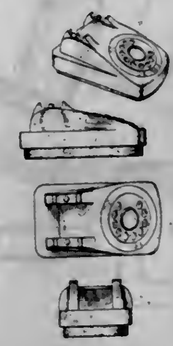
The ornamental design for a collar cuff iron, substantially as shown and described.

153,927
DESIGN FOR A DESK STAND FOR A HAND TELEPHONE
Henry Dreyfuss, Pasadena, Calif., and Robert H. Hose, Mountainside, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1948, Serial No. 144,404
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a desk stand for a hand telephone, as shown.

153,928
DESIGN FOR A DESK STAND FOR A HAND TELEPHONE
Henry Dreyfuss, Pasadena, Calif., and Robert H. Hose, Mountainside, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 19, 1948, Serial No. 145,208
Term of patent 14 years
(Cl. D26—14)



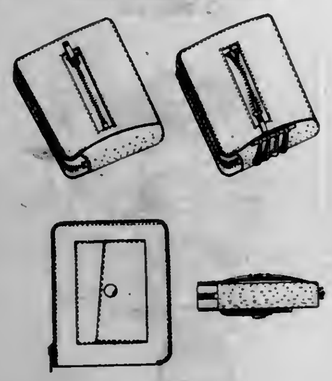
The ornamental design for a desk stand for a hand telephone, as shown.

153,929
DESIGN FOR A TOY PISTOL
Myron Fleishman, Bronx, N. Y.
Application June 6, 1947, Serial No. 139,481
Term of patent 7 years
(Cl. D34—15)



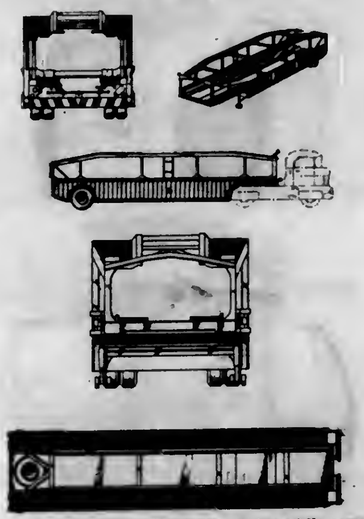
The ornamental design for a toy pistol, substantially as shown and described.

153,930
DESIGN FOR A COMBINED BILLFOLD, KEY CASE, AND COIN PURSE
Charles A. Fox, New York, N. Y.
Application November 6, 1947, Serial No. 142,352
Term of patent 14 years
(Cl. D67—3)



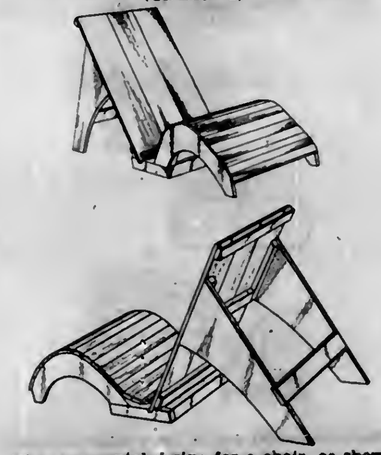
The ornamental design for a combined billfold, key case, and coin purse, as shown.

153,931
DESIGN FOR AN AUTOMOBILE CARRYING TRAILER
Lynn M. Francis, Detroit, Mich.
Application March 10, 1947, Serial No. 137,485
Term of patent 7 years
(Cl. D14—3)



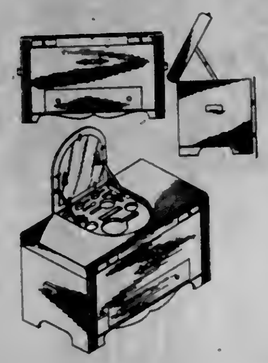
The ornamental design for an automobile carrying trailer, as shown and described.

153,932
DESIGN FOR A CHAIR
John H. Fraser, Marietta, Ohio
Application July 16, 1947, Serial No. 140,328
Term of patent 14 years
(Cl. D15—1)



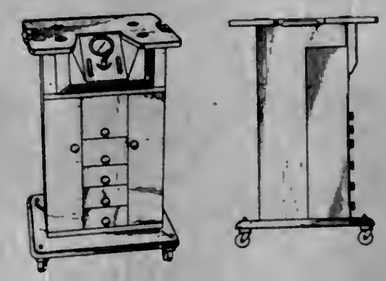
The ornamental design for a chair, as shown.

153,933
DESIGN FOR A CHEST
James J. Gilmore, Sanford, N. C.
Application August 29, 1947, Serial No. 141,114
Term of patent 14 years
(Cl. D33—19)



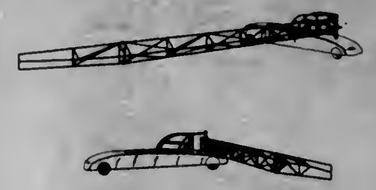
The ornamental design for a chest, as shown.

153,934
DESIGN FOR A COMBINATION RESUSCITATOR, INHALATOR, AND ASPIRATOR CABINET
Monroe Harry Goodner, Glendale, Calif., assignor to Stephenson Corporation, Red Bank, N. J., a corporation of New Jersey
Application November 4, 1947, Serial No. 142,300
Term of patent 14 years
(Cl. D83—1)



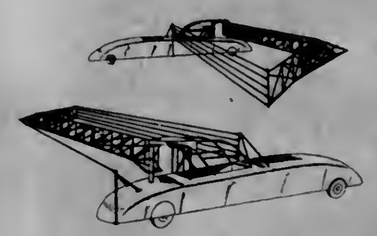
The ornamental design for a combination resuscitator, inhalator, and aspirator cabinet, as shown and described.

153,935
DESIGN FOR A MOBILE RACE CONTROL GATE
John S. Goodwin, Whittier, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application February 21, 1947, Serial No. 137,668
Term of patent 14 years
(Cl. D14—3)



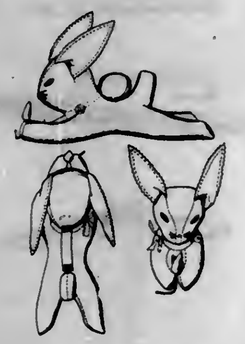
The ornamental design for a mobile race control gate, as shown.

153,936
DESIGN FOR A MOBILE RACE CONTROL GATE
John S. Goodwin, Whittier, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application January 19, 1948, Serial No. 143,866
Term of patent 14 years
(Cl. D14—3)



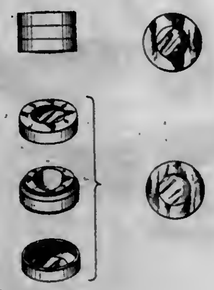
The ornamental design for a mobile race control gate, as shown.

153,937
DESIGN FOR A BABY'S BOTTLE HOLDER OR THE LIKE
Michael Grabel, New York, N. Y.
Application January 23, 1948, Serial No. 144,115
Term of patent 14 years
(Cl. D63—8)



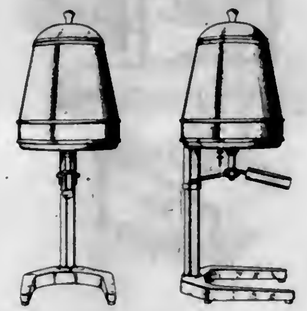
The ornamental design for a baby's bottle holder or the like, substantially as shown and described.

153,938
DESIGN FOR A COMBINED EYE SHADOW AND ROUGE CASE
Elizabeth N. Graham, New York, N. Y.
Application September 11, 1947, Serial No. 141,315
Term of patent 14 years
(Cl. D86—10)



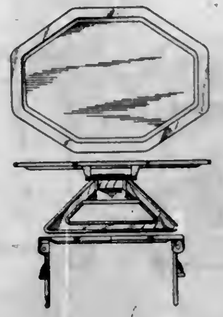
The ornamental design for a combined eye shadow and rouge case, substantially as shown.

153,939
DESIGN FOR A BEVERAGE DISPENSER OR SIMILAR ARTICLE
Frederick F. Gunther, Chicago, Ill., assignor to Heimco, Inc., Chicago, Ill., a corporation of Illinois
Application January 31, 1948, Serial No. 144,194
Term of patent 7 years
(Cl. D2—3)



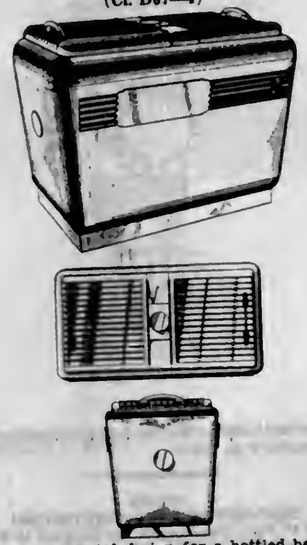
The ornamental design for a beverage dispenser or similar article, as shown.

153,940
DESIGN FOR A CHAIR-ARM TRAY
Melvin Higgs, Pomona, and James W. Crall, Los Angeles, Calif.
Application March 4, 1947, Serial No. 137,322
Term of patent 7 years
(Cl. D44—10)



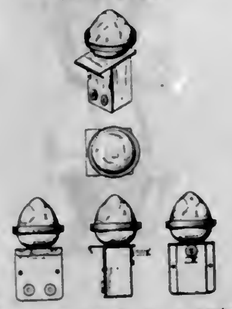
The ornamental design for a chair-arm tray, substantially as shown.

153,941
DESIGN FOR A BOTTLED BEVERAGE COOLER
Warner W. Hoople, Dallas, Tex., assignor to Dr. Pepper Company, Dallas, Tex., a corporation of Colorado
Application June 28, 1948, Serial No. 147,248
Term of patent 7 years
(Cl. D67—4)



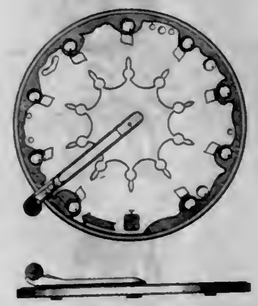
The ornamental design for a bottled beverage cooler, as shown and described.

153,942
DESIGN FOR A PORTABLE SIGNAL LIGHT FOR MOTOR VEHICLES OR SIMILAR ARTICLE
Frederick K. Hussey, New York, N. Y.
Application September 18, 1948, Serial No. 148,648
Term of patent 14 years
(Cl. D48—32)



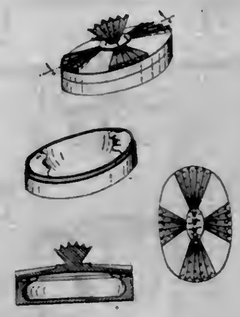
The ornamental design for a portable signal light for motor vehicles or similar article, substantially as shown.

153,943
DESIGN FOR A GAME BOARD
Adelbert J. Jackson, Kalamazoo, Mich.
Application June 5, 1947, Serial No. 138,462
Term of patent 3½ years
(Cl. D34—5)



The ornamental design for a game board, as shown.

153,944
DESIGN FOR AN ASH TRAY
Anneliese Jargstorff, Flushing, N. Y.
Application October 21, 1947, Serial No. 142,061
Term of patent 3½ years
(Cl. D85—2)



The ornamental design for an ash tray, as shown.

153,945
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application May 1, 1948, Serial No. 146,111
Term of patent 14 years
(Cl. D58—26)



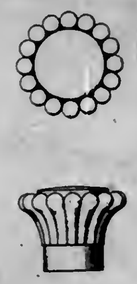
The ornamental design for a container cap, substantially as shown.

153,946
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application May 1, 1948, Serial No. 146,112
Term of patent 14 years
(Cl. D58—26)



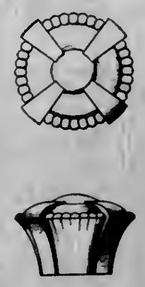
The ornamental design for a container cap, substantially as shown.

153,947
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application May 1, 1948, Serial No. 146,113
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a container cap, substantially as shown.

153,948
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application May 1, 1948, Serial No. 146,114
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a container cap, substantially as shown.

153,949
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application May 12, 1948, Serial No. 146,321
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a container cap, substantially as shown.

153,950
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application May 20, 1948, Serial No. 146,474
Term of patent 14 years
(Cl. D58—26)



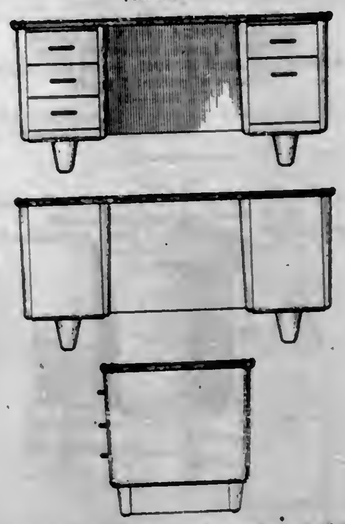
The ornamental design for a container cap, substantially as shown.

153,951
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application May 20, 1948, Serial No. 146,475
Term of patent 14 years
(Cl. D58—26)



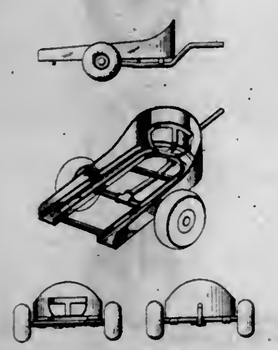
The ornamental design for a container cap, substantially as shown.

153,952
DESIGN FOR A DESK OR SIMILAR ARTICLE
Clarence Karstadt, Glen Ellyn, and Charles M. Abrahamson, Aurora, Ill., assignors to All-Steel Equipment, Inc., a corporation of Illinois
Application December 23, 1946, Serial No. 135,816
Term of patent 14 years
(Cl. D33—7)



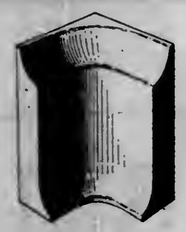
The ornamental design for a desk or similar article, substantially as shown and described.

153,953
DESIGN FOR A TRAILER
Paul W. Lane, San Rafael, Calif.
Application August 19, 1947, Serial No. 140,943
Term of patent 14 years
(Cl. D14—3)



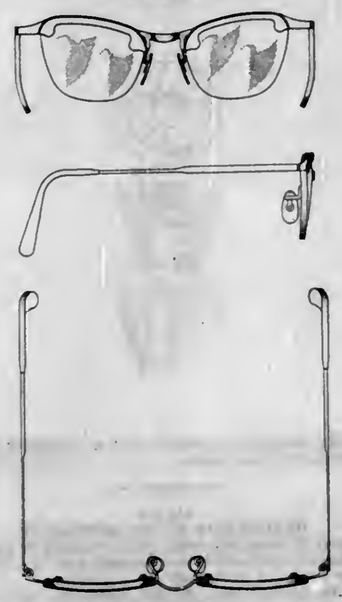
The ornamental design for a trailer, as shown and described.

153,954
DESIGN FOR A CORNER PIECE
Henry F. Lange, Cleveland, Ohio
Application April 30, 1947, Serial No. 138,710
Term of patent 7 years
(Cl. D18—2)



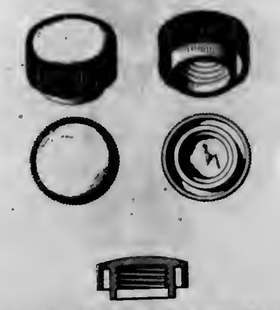
The ornamental design for a corner piece, as shown.

153,955
DESIGN FOR A PAIR OF SPECTACLES
John A. Lauber, Rochester, N. Y., assignor to Continental Optical Company, Inc., Rochester, N. Y., a corporation of Indiana
Application January 3, 1949, Serial No. 8
Term of patent 14 years
(Cl. D57—1)



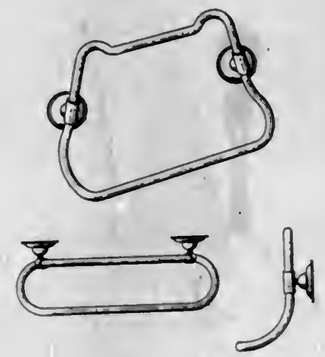
The ornamental design for a pair of spectacles, as shown.

153,956
DESIGN FOR A SCREW CAP
John L. Lay, Ogden, Pa.
Application May 6, 1948, Serial No. 146,205
Term of patent 14 years
(Cl. D58—26)



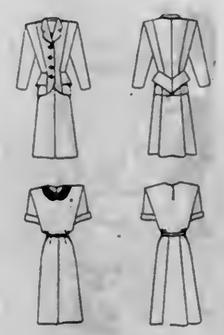
The ornamental design for a screw cap, substantially as shown.

153,957
DESIGN FOR A RACK
Irvin R. Linnard, Montclair, N. J.
Application June 17, 1947, Serial No. 139,748
Term of patent 14 years
(Cl. D32—16)



The ornamental design for a rack, as shown.

153,958
DESIGN FOR A DRESS ENSEMBLE
Julius Lipman, New York, N. Y.
Application June 30, 1948, Serial No. 147,292
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress ensemble, substantially as shown.

153,959
DESIGN FOR A DOLLY
Frank T. Loser, Oak Park, Ill.
Application May 13, 1946, Serial No. 129,658
Term of patent 14 years
(Cl. D54—13)



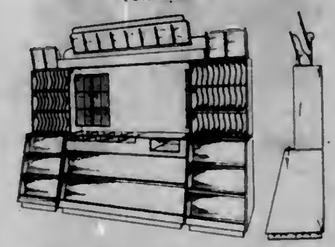
The ornamental design for a dolly, as shown.

153,960
DESIGN FOR A CUFF LINK OR THE LIKE
George Kingdon Lowe, Warwick, R. I., assignor to Campus Jewelry Products, Inc., Providence, R. I., a corporation of Rhode Island
Application January 31, 1948, Serial No. 144,203
Term of patent 3½ years
(Cl. D17—7)



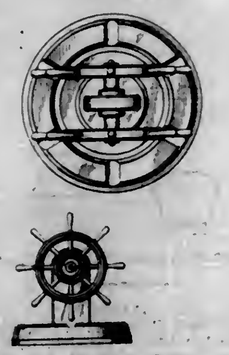
The ornamental design for a cuff link or the like, substantially as shown.

153,961
DESIGN FOR A RECORD DISPLAY COUNTER
Simon Malkin, New York, N. Y.
Application April 6, 1948, Serial No. 145,564
Term of patent 14 years
(Cl. D30—2)



The ornamental design for a record display counter, substantially as shown.

153,962
DESIGN FOR AN ASH TRAY OR THE LIKE
Charles Mankowski, Newport, N. Y.
Application January 27, 1947, Serial No. 136,460
Term of patent 14 years
(Cl. D85—2)



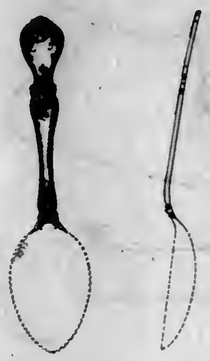
The ornamental design for an ash tray, as shown.

153,963
DESIGN FOR A DOLL OR SIMILAR ARTICLE
Maurice Marossi and Gertrude Cornell, New York, N. Y.
Application April 21, 1948, Serial No. 145,876
Term of patent 3½ years
(Cl. D34—4)



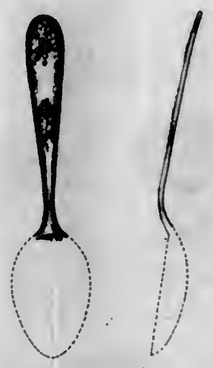
The ornamental design for a doll or similar article, as shown.

153,964
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Edward B. McAlpine, Cranston, R. I., assignor to Manchester Silver Company, Inc., a corporation of Rhode Island
Application September 16, 1948, Serial No. 148,603
Term of patent 7 years
(Cl. D54—12)



The ornamental design for a spoon or similar article, substantially as shown and described.

153,965
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Edward B. McAlpine, Cranston, R. I., assignor to Manchester Silver Company, Inc., a corporation of Rhode Island
Application September 16, 1948, Serial No. 148,604
Term of patent 7 years
(Cl. D54—12)



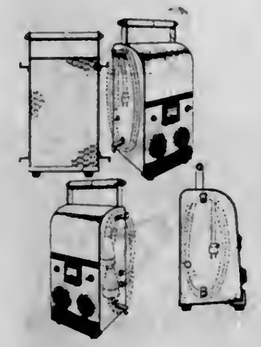
The ornamental design for a spoon or similar article, substantially as shown and described.

153,966
DESIGN FOR A TABLE ORNAMENT OR SIMILAR ARTICLE
Laurance McDougall, Goliad, Tex.
Application October 18, 1946, Serial No. 134,040
Term of patent 14 years
(Cl. D28—1)



The ornamental design for a table ornament or similar article, substantially as shown and described.

153,967
DESIGN FOR A PORTABLE BATTERY CHARGER
Lewis A. Mediar, Orchard, Pa., assignor to Fox Products Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 21, 1948, Serial No. 145,877
Term of patent 14 years
(Cl. D26—5)



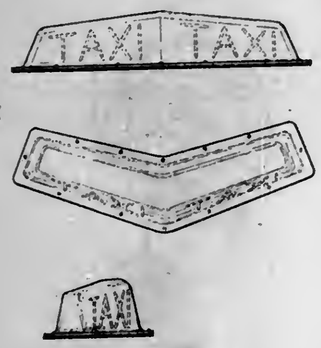
The ornamental design for a portable battery charger, substantially as shown and described.

153,968
DESIGN FOR A PRESSURE COOKER OR THE LIKE
Willard L. Morrison, Jr., West Bend, Wis., assignor to West Bend Aluminum Co., West Bend, Wis., a corporation of Wisconsin
Application October 15, 1947, Serial No. 141,913
Term of patent 14 years
(Cl. D44—1)



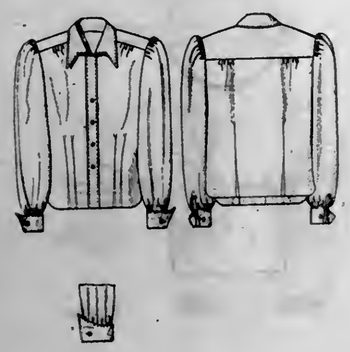
The ornamental design for a pressure cooker or the like, as shown and described.

153,969
DESIGN FOR A TAXI TOP LIGHT
William H. Murray, Houston, Tex.
Application March 31, 1947, Serial No. 138,069
Term of patent 3½ years
(Cl. D48—32)



The ornamental design for a taxi top light, substantially as shown and described.

153,970
DESIGN FOR A SHIRT
Joseph Nachman, Philadelphia, Pa.
Application March 19, 1948, Serial No. 145,209
Term of patent 3½ years
(Cl. D3—25)



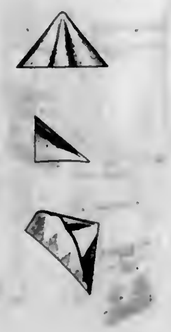
The ornamental design for a shirt, substantially as shown.

153,971
DESIGN FOR A TAXICAB CRUISING LIGHT
Charles D. Nelson, Jr., Arlington, Va.
Application October 30, 1947, Serial No. 142,204
Term of patent 14 years
(Cl. D48—32)



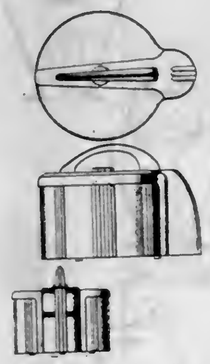
The ornamental design for a taxicab cruising light, as shown.

153,972
DESIGN FOR A TAXICAB CRUISING LIGHT
Charles D. Nelson, Jr., Arlington, Va.
Application October 30, 1947, Serial No. 142,205
Term of patent 14 years
(Cl. D48—32)



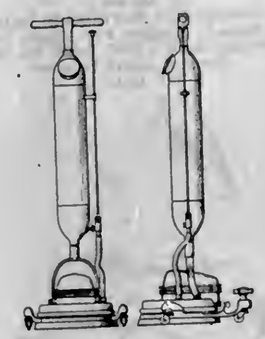
The ornamental design for a taxicab cruising light, as shown.

153,973
DESIGN FOR A POKER CHIP COUNTER
Robert D. Nelson, Chicago, Ill., assignor to Count-Rite Industries, Inc., Chicago, Ill., a corporation of Illinois
Application October 31, 1946, Serial No. 134,411
Term of patent 7 years
(Cl. D34—13)



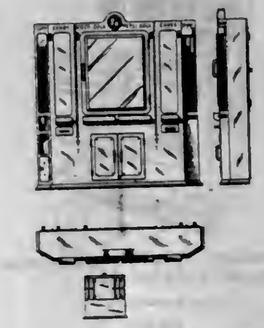
The ornamental design for a poker chip counter, as shown.

153,974
DESIGN FOR A RUG SCRUBBING MACHINE
William L. Petersen, West New York, N. J., assignor to Clarke Sanding Machine Company, Muskegon, Mich., a corporation of Michigan
Application April 12, 1948, Serial No. 145,659
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a rug scrubbing machine, substantially as shown.

153,975
DESIGN FOR A CONFECTIONERY THROW DISPENSING MACHINE
Laurits Petrus, New York, N. Y.
Application November 29, 1947, Serial No. 142,867
Term of patent 7 years
(Cl. D52—3)



The ornamental design for a confectionery dispensing machine, substantially as shown and described.

153,976
DESIGN FOR AN ELECTRIC RANGE
Harry L. Porter, Cincinnati, Ohio, assignor to Noma Electric Corporation, New York, N. Y., a corporation of Maryland
Application July 9, 1947, Serial No. 140,167
Term of patent 7 years
(Cl. D81—4)



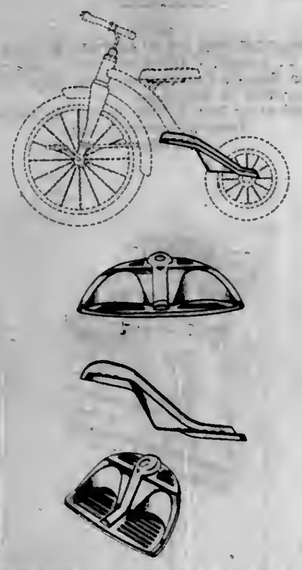
The ornamental design for an electric range, substantially as shown and described.

153,977
DESIGN FOR A GAS RANGE
Harry L. Porter, Cincinnati, Ohio, assignor to Norma Electric Corporation, New York, N. Y., a corporation of Maryland
Application July 9, 1947, Serial No. 140,168
Term of patent 7 years
(Cl. D81—4)



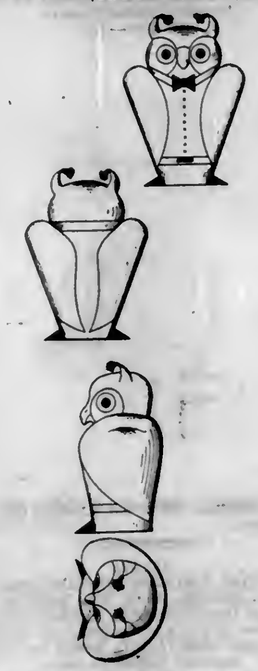
The ornamental design for a gas range, substantially as shown and described.

153,978
DESIGN FOR A TRICYCLE STEP PLATE
Chester V. Queen, Jeffersonville, Ind., assignor to Wheelmaster Corporation, Owensboro, Ky., a corporation of Kentucky
Application April 24, 1947, Serial No. 138,576
Term of patent 14 years
(Cl. D34—15)



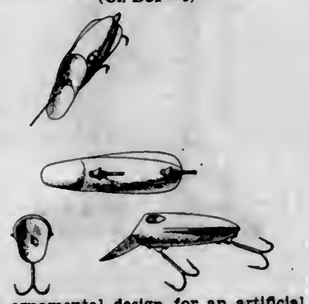
The ornamental design for a tricycle step plate, as shown, and described.

153,979
DESIGN FOR A TOY BIRD
Delmar J. Ranahan, Wilmington, Calif.
Application December 30, 1947, Serial No. 142,450
Term of patent 14 years
(Cl. D34—2)



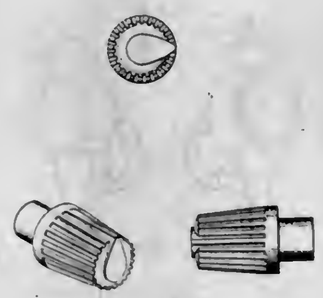
The ornamental design for a toy bird, as shown.

153,980
DESIGN FOR ARTIFICIAL BAIT
William L. Raschke, Fort Worth, Tex.
Application April 7, 1947, Serial No. 138,203
Term of patent 14 years
(Cl. D31—4)



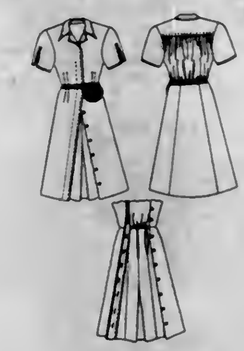
The ornamental design for an artificial bait, substantially as shown.

153,981
DESIGN FOR AN ADJUSTING KNOB
Jean O. Reinecke, Oak Park, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application July 9, 1946, Serial No. 131,413
Term of patent 14 years
(Cl. D26—1)



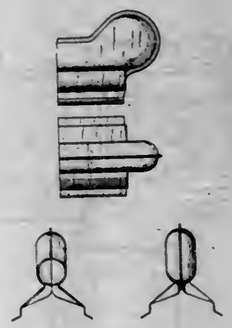
The ornamental design for an adjusting knob, substantially as shown and described.

153,982
DESIGN FOR A DRESS
Ethel Rosenthal, New York, N. Y.
Application November 13, 1947, Serial No. 142,506
Term of patent 3½ years
(Cl. D3—26)



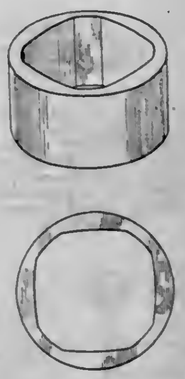
The ornamental design for a dress, substantially as shown.

153,983
DESIGN FOR A ROOF FINIAL
Max L. Rysdon, Sioux City, S. Dak.
Application June 19, 1947, Serial No. 139,869
Term of patent 14 years
(Cl. D68—1)



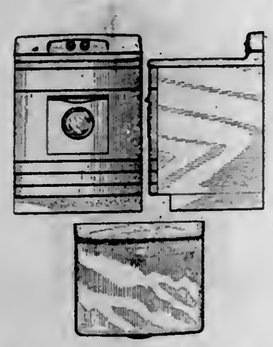
The ornamental design for a roof finial, substantially as shown.

153,984
DESIGN FOR A FINGER RING
Abraham G. Sager, Chicago, Ill.
Application June 22, 1948, Serial No. 147,130
Term of patent 14 years
(Cl. D45—10)



The ornamental design for a finger ring, as shown.

153,985
DESIGN FOR AN AUTOMATIC CLOTHES DRIER
Ray C. Sandin, Oak Park, Ill., assignor to Hotpoint Inc., a corporation of New York
Application February 13, 1948, Serial No. 144,470
Term of patent 14 years
(Cl. D49—1)



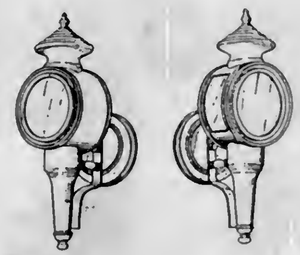
The ornamental design for an automatic clothes drier, as shown.

153,986
DESIGN FOR A FINGER RING
Crescenzo J. Scola, Providence, R. I.
Application August 26, 1948, Serial No. 148,314
Term of patent 14 years
(Cl. D45—10)



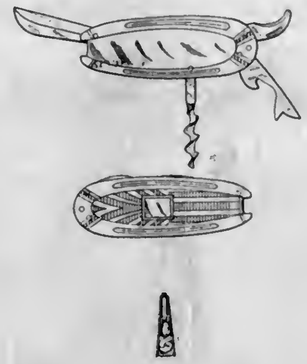
The ornamental design for a finger ring, substantially as shown.

153,987
DESIGN FOR A LANTERN
Philip Silberhartz, Maywood, N. J., assignor to Artolier Corporation, Lodi, N. J., a corporation of New York
Application August 5, 1947, Serial No. 140,705
Term of patent 3½ years
(Cl. D48—24)



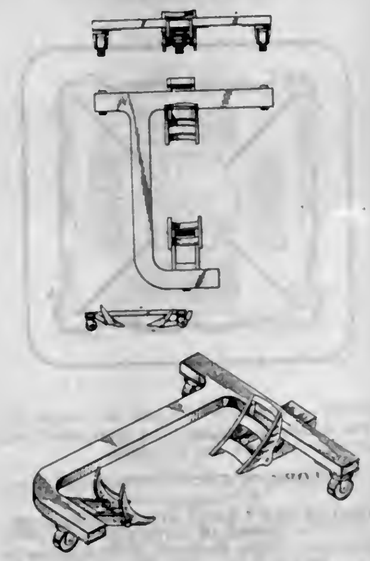
The ornamental design for a lantern, as shown.

153,988
DESIGN FOR A COMBINATION POCKET TOOL
Henry J. Smoleroff and John J. Kovacs, New York, N. Y.
Application July 2, 1947, Serial No. 140,064
Term of patent 3½ years
(Cl. D22—3)



The ornamental design for a combination pocket tool as shown.

153,989
DESIGN FOR A DOLLY FOR TRANSPORTING AIRPLANES AND THE LIKE
Mahlon C. Snyder, Hamburg, N. Y.
Application May 8, 1947, Serial No. 138,902
Term of patent 14 years
(Cl. D14—3)



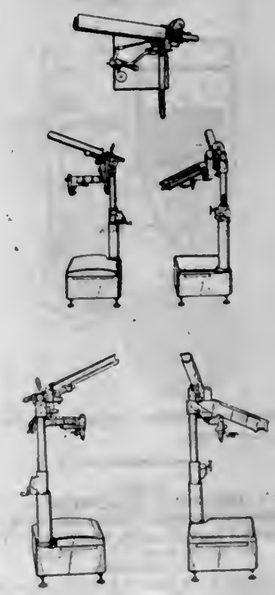
The ornamental design for a dolly for transporting airplanes and the like, as shown.

153,990
DESIGN FOR A TOY ANIMAL FIGURE OR OTHER SIMILAR ARTICLE
Monte Sohn, New York, N. Y.
Application June 15, 1948, Serial No. 146,973
Term of patent 14 years
(Cl. D34—2)



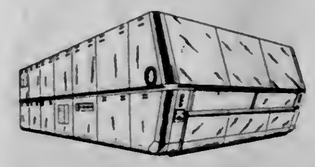
The ornamental design for a toy animal figure or other similar article, as shown.

153,991
DESIGN FOR A BOTTLE CAP FEEDER
Rudolph Sonnenberg, Belvidere, Ill., assignor to Mid-West Bottle Cap Co., Belvidere, Ill., a corporation of Illinois
Application September 15, 1947, Serial No. 141,406
Term of patent 14 years
(Cl. D2—3)



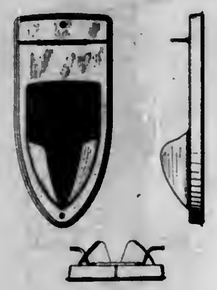
The ornamental design for a bottle cap feeder, substantially as shown.

153,992
DESIGN FOR A BAKING OVEN OR SIMILAR ARTICLE
John F. Stammler, New Haven, Conn., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application December 4, 1947, Serial No. 142,955
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a baking oven or similar article, as shown and described.

153,993
DESIGN FOR AN IRON HOLDER
Chester D. Stanley, Akron, Ohio
Application September 18, 1947, Serial No. 141,463
Term of patent 14 years
(Cl. D49—6)



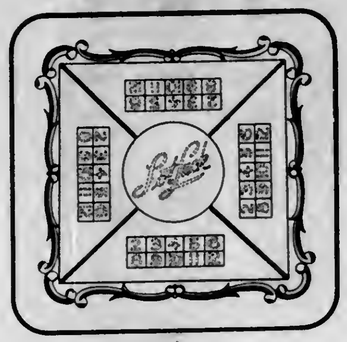
The ornamental design for an iron holder, substantially as shown.

153,994
DESIGN FOR A DRESS
John F. Strassner, New York, N. Y.
Application July 13, 1948, Serial No. 147,537
Term of patent 3½ years
(Cl. D3—26)



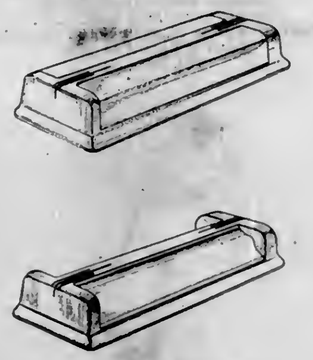
The ornamental design for a dress, substantially as shown.

153,995
DESIGN FOR A GAME BOARD
Nick Thomas, Akron, Ohio
Application September 19, 1946, Serial No. 133,406
Term of patent 14 years
(Cl. D34—5)



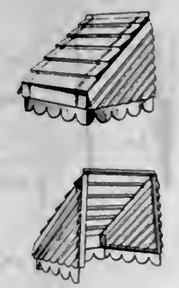
The ornamental design for a game board, substantially as shown and described.

153,996
DESIGN FOR A DISPLAY CONTAINER OR SIMILAR ARTICLE
Herman G. Treiss, Brooklyn, N. Y., assignor to Robert P. Foose, New York, N. Y.
Application April 16, 1947, Serial No. 138,435
Term of patent 7 years
(Cl. D80—5)



The ornamental design for a display container or similar article, substantially as shown.

153,997
DESIGN FOR AN AWNING
Charles R. Trent, Conway, Ark., assignor of one-half to Charles W. Trent, Conway, Ark.
Application May 3, 1948, Serial No. 146,148
Term of patent 14 years
(Cl. D21—6)



The ornamental design for an awning, as shown.

153,998
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Joseph Tricarico, New York, N. Y.
Application March 16, 1948, Serial No. 145,147
Term of patent 14 years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, substantially as shown and described.

153,999
DESIGN FOR A POWDER PUFF CONTAINER OR THE LIKE
Bernard Ulvad, Leominster, Mass., assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application August 20, 1948, Serial No. 148,204
Term of patent 14 years
(Cl. D86—10)



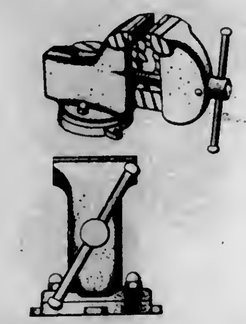
The ornamental design for a powder puff container or the like, substantially as shown.

154,000
DESIGN FOR A DISPLAY FIGURE
Marguerite T. Upson, Tucson, Ariz.
Application January 5, 1948, Serial No. 143,536
Term of patent 14 years
(Cl. D1—2)



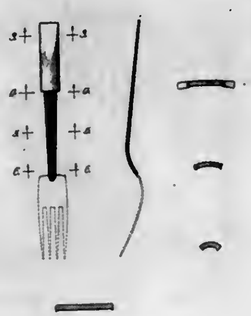
The ornamental design for a display figure, as shown.

154,001
DESIGN FOR A BENCH VISE OR SIMILAR ARTICLE
Hugh W. Vogl, Wilmette, Ill.
Application November 12, 1947, Serial No. 142,486
Term of patent 7 years
(Cl. D54—13)



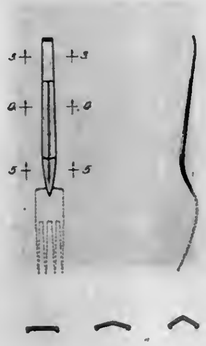
The ornamental design for a bench vise or similar article, substantially as shown.

154,002
DESIGN FOR A FORK OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application July 17, 1948, Serial No. 147,649
Term of patent 14 years
(Cl. D54—12)



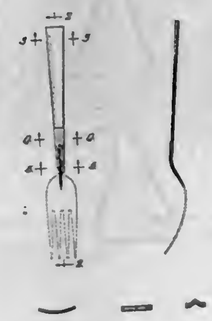
The ornamental design for a fork or similar article, as shown and described.

154,003
DESIGN FOR A FORK OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application July 17, 1948, Serial No. 147,650
Term of patent 14 years
(Cl. D54—12)



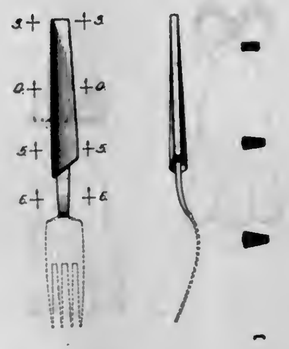
The ornamental design for a fork or similar article, as shown and described.

154,004
DESIGN FOR A FORK OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application July 17, 1948, Serial No. 147,651
Term of patent 14 years
(Cl. D54—12)



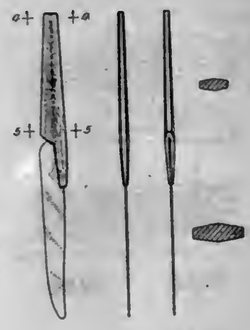
The ornamental design for a fork or similar article, as shown and described.

154,005
DESIGN FOR A FORK OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application July 17, 1948, Serial No. 147,646
Term of patent 14 years
(Cl. D54—12)



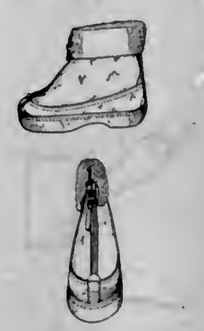
The ornamental design for a fork or similar article, as shown and described.

154,006
DESIGN FOR A KNIFE OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application July 17, 1948, Serial No. 147,647
Term of patent 14 years
(Cl. D54—12)



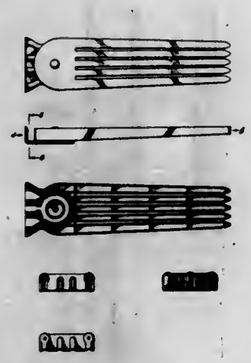
The ornamental design for a knife or similar article, as shown.

154,007
DESIGN FOR A WOMAN'S OVERSHOE
Harold A. Watkins and Elsmer M. Heimerl, Milwaukee, Wis.; said Heimerl assignor to said Watkins
Application April 10, 1948, Serial No. 145,644
Term of patent 14 years
(Cl. D7—4)



The ornamental design for a woman's overshoe, substantially as shown and described.

154,008
DESIGN FOR A PANTS HANGER
William Grant Williams, Anaheim, Calif.
Application December 1, 1947, Serial No. 142,967
Term of patent 14 years
(Cl. D32—8)



The ornamental design for a pants hanger, as shown.

154,009
DESIGN FOR A BOOK END
Julius H. Witzke, Chicago, Ill.
Application January 31, 1947, Serial No. 136,581
Term of patent 14 years
(Cl. D33—1)

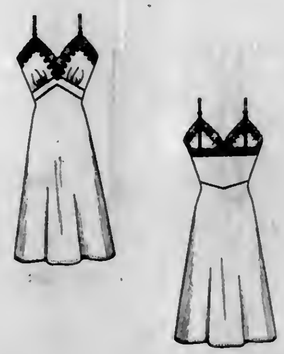


154,009—Continued



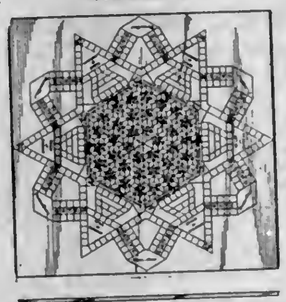
The ornamental design for a book end, substantially as shown.

154,010
DESIGN FOR A SLIP OR SIMILAR ARTICLE
Semon Wolf, New York, N. Y.
Application November 26, 1947, Serial No. 142,809
Term of patent 3½ years
(Cl. D3—26)



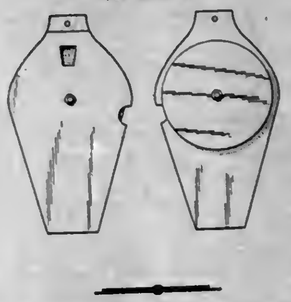
The ornamental design for a slip or similar article, substantially as shown.

154,011
DESIGN FOR A GAME BOARD
Analee Womack, Fort Worth, Tex.
Application August 26, 1947, Serial No. 141,071
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a game board, as shown and described.

154,012
DESIGN FOR A COCKTAIL RECIPE GUIDE
Louis F. Zimmermann, Chicago, Ill.
Application September 10, 1947, Serial No. 141,302
Term of patent 14 years
(Cl. D1—2)



The ornamental design for a cocktail recipe guide, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Aaronson, Alfred I., doing business as The Pandex Company, Baltimore, Md. Medicated cream. Serial No. 550,572, May 31. Class 6.

Abbott Laboratories, North Chicago, Ill. Pharmaceutical preparation. Serial No. 575,514, May 31. Class 6.

Aciform Corporation, Chicago, Ill. Chairs, tables, platforms, or stools, which vibrate for therapeutic or massage purposes. Serial No. 542,096, May 31. Class 44.

Aiken, Roy C.: *See*—
Casey-Aiken Pharmaceuticals.

Allied Chemical & Dye Corporation: *See*—
Wilputte Coke Oven Corporation.

Aloe, A. S., Company, St. Louis, Mo. Chlorophyl air fresheners, gall bladder dyes, albumin test reagents, etc. Serial No. 528,177, May 31. Class 6.

Alston-Lucas Paint Co., Lyons, Ill. Paint. Serial No. 532,730, May 31. Class 16.

American Beverage Corporation, Brooklyn, N. Y. Carbonated beverage. Serial No. 541,628, May 31. Class 45.

American Beverage Corporation, Brooklyn, N. Y. Carbonated beverages. Serial No. 545,808, May 31. Class 45.

American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Periodical publications. Serial No. 551,844, May 31. Class 38.

American Blower Corporation, Detroit, Mich. Air conditioning apparatus. Serial No. 484,657, May 31. Class 34.

American Brake Shoe Company, New York, N. Y. Power-operated excavating dippers and parts thereof. Serial No. 541,485, May 31. Class 23.

American Chemical Paint Company, Ambler, Pa. Metallic soaps, and high molecular weight alcohols. Serial No. 554,847, May 31. Class 6.

American Crayon Company, The, Sandusky, Ohio. Crayons. Serial No. 543,050, May 31. Class 37.

American Cyanamid Company, New York, N. Y. Sedative preparation. Serial No. 566,108, May 31. Class 6.

American Cyanamid Company, New York, N. Y. Antibiotics. Serial No. 565,159, May 31. Class 6.

American Cystoscope Makers, Inc., New York, N. Y. Endoscopic instruments and components thereof. Serial No. 558,836, May 31. Class 44.

American Cystoscope Makers, Inc., New York, N. Y. Miniature lamps for use with examining and operating surgical and dental instruments. Serial No. 560,676, May 31. Class 44.

American Optical Company, Southbridge, Mass. Diagnostic instruments. Serial No. 524,439, May 31. Class 44.

American Proprietaries: *See*—
Kaltx, Anna C.

American Type Founders, Incorporated, Elizabeth, N. J. Printing type. Serial No. 556,676, May 31. Class 14.

Andrews, H. P., Paper Company, New York, N. Y. Mailing envelopes. Serial No. 548,709, May 31. Class 37.

Armstrong Cork Company, Lancaster, Pa. Architectural wall panels. Serial No. 544,690, May 31. Class 12.

Aroostook Valley Potato Co., Inc., Medford, Mass. Potatoes. Serial No. 534,731, May 31. Class 46.

Art-Mor Togs Inc., New York, N. Y. Ladies' and misses' playsuits, overalls, ski suits, etc. Serial No. 544,838, May 31. Class 39.

Ashland Paper Mills, Inc., Ashland, N. H. Toilet tissue, paper napkins, paper towel and facial tissue. Serial No. 537,336, May 31. Class 37.

Atlas Overall Company, Philadelphia, Pa. Overalls. Serial No. 540,762, May 31. Class 39.

Atlas Supply Company, Newark, N. J. Outboard motors. Serial No. 544,840, May 31. Class 23.

B-B Pen Company, Inc., Los Angeles, Calif. Ball point pens. Serial No. 562,175, May 31. Class 37.

B & P Company, The, Lakewood, Ohio. Face plasters for treating wrinkles. Serial No. 550,379, May 31. Class 44.

Babson Bros. Co., Chicago, Ill. Lubricating oil. Serial No. 557,004, May 31. Class 15.

Baker, Mabel K., doing business as Colonial Candle Co. of Cape Cod, Barnstable, Mass. Candles. Serial No. 555,141, May 31. Class 15.

Baker Paint & Varnish Co., Jersey City, N. J. Mixed paints, varnishes and enamel coatings. Serial No. 536,337, May 31. Class 16.

Balata, Victor, & Textile Belting Co., New York, N. Y. Solid woven belting. Serial No. 563,035, May 31. Class 35.

Barber-Colman Company, Rockford, Ill. Ceiling outlets. Serial No. 530,912, May 31. Class 34.

Beach Soap Company, Lawrence, Mass. Whitening and brightening material for use in washing textiles. Serial No. 563,597, May 31. Class 6.

Beacon Products Corporation, Boston, Mass. Tumblers, dishes, trays, etc. Serial No. 502,058, May 31. Class 2.

Bendel, Henri, Inc., New York, N. Y. Toilet water. Serial No. 563,895, May 31. Class 6.

Bendel, Henri, Inc., New York, N. Y. Toilet water, perfume, and cologne. Serial No. 563,896, May 31. Class 6.

Binney & Smith Company, New York, N. Y. Preparation of carbon black, resin and solvent. Serial No. 550,113, May 31. Class 16.

Bonat, Samuel, & Bro., New York, N. Y. Chemically treated pads for machineless permanent waving. Serial Nos. 515,932–3, May 31. Class 44.

Borg-Warner Corporation, Chicago, Ill. Washing machines and parts thereof. Serial No. 546,933, May 31. Class 24.

Bosa Manufacturing Company, The, Kewanee, Ill. Fabric gloves and mittens. Serial Nos. 555,060–1, May 31. Class 39.

Boyle-Midway Inc., Jersey City, N. J. Metal polish. Serial No. 537,974, May 31. Class 4.

Brach, E. J., & Sons, Chicago, Ill. Candy. Serial No. 549,697, May 31. Class 46.

Bridgeport Brass Company: *See*—
Enterprise Industries.

Brooklyn Eagle, Inc., The, Brooklyn, N. Y. Column in the newspaper. Serial No. 553,337, May 31. Class 38.

Brown, R. S., Manufacturing Company, Inc., Philadelphia, Pa. Revolving ventilators and parts thereof, ventilating hoods, chimney hoods. Serial No. 541,508, May 31. Class 34.

Brunswick Laboratories, Inc., Chicago, Ill. Red-coated tablet for hypertension. Serial No. 532,081, May 31. Class 6.

Bulldog Electric Products Company, Detroit, Mich. Electrical panelboards. Serial No. 548,918, May 31. Class 21.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. Serial No. 564,254, May 31. Class 11.

Cap-Cal-Ox Laboratory: *See*—
Regan, William H.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Bituminous composition shingles. Serial No. 556,478, May 31. Class 12.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Bath room wall heaters, ducts, and metal attachments. Serial No. 556,771, May 31. Class 34.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Bath room heaters. Serial No. 556,778, May 31. Class 34.

Carr, Adams & Collier Company, Dubuque, Iowa. Fabricated woodwork. Serial No. 545,577, May 31. Class 12.

Casey-Aiken Pharmaceuticals, assignor to R. C. Aikens, doing business as Casey-Aikens Pharmaceuticals, Kansas City, Mo. Fungicidal solution. Serial No. 554,364, May 31. Class 6.

Ceco Steel Products Corporation, Chicago, Ill. Metal screen cloth, hardware cloth, window lifts, etc. Serial No. 543,886, May 31. Class 13.

Celotex Corporation, The, Chicago, Ill. Composite wall panel. Serial No. 524,592, May 31. Class 12.

Chemgrain Plate Preparation Co.: *See*—
Morse, John.

Cheshire Mailing Machines, Inc., Chicago, Ill. Mechanically and electrically operated addressing and mailing machines. Serial No. 516,955, May 31. Class 23.

Chicago Electric Manufacturing Company, Chicago, Ill. Portable electric laundry washers. Serial No. 551,527, May 31. Class 24.

Chicago Macaroni Company, Chicago, Ill. Canned foods. Serial No. 544,975, May 31. Class 46.

Christians, H. C., Co., Johnson Creek, Wis. Butter. Serial No. 549,511, May 31. Class 46.

Cincinnati Tool Company, The, Norwood, Ohio. Carpenter's clamps. Serial No. 546,079, May 31. Class 23.

Clark & Clark Co., Wenonah, N. J. Tablets. Serial No. 565,116, May 31. Class 6.

Clark & Clark Co., Wenonah, N. J. Tablets, powders, and chewing gum. Serial No. 565,117, May 31. Class 6.

Cleman, Donald V., Seattle, Wash. Dentures and denture attachments for locating purposes. Serial No. 553,166, May 31. Class 44.

Climax Manufacturing Company, Castorland, N. Y. Folding paper boxes, industrial cartons, paper and fibre drums, etc. Serial No. 555,053, May 31. Class 2.

Clinical Products Limited, Richmond, Surrey, England. Ointment for human use. Serial No. 557,501, May 31. Class 6.

Cochin, J. D., Manufacturing Co.: *See*—
Cochin, John D.

Cochin, John D., doing business as J. D. Cochin Manufacturing Co., South San Francisco, Calif. Automobile service equipment. Serial No. 517,619, May 31. Class 23.

Cohn-Goldwater Manufacturing Co., Los Angeles, Calif. Men's and women's sport, dress, and work shirts. Serial No. 537,293, May 31. Class 39.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. Serial No. 568,586, May 31. Class 42.

Cohoes Envelope Company, Inc., Cohoes, N. Y. Paper merchandise envelopes. Serial No. 556,240, May 31. Class 2.

Colonial Candle Co. of Cape Cod: *See*—
Baker, Mabel K.
Colostom-Ease, Inc., Pittsburgh, Pa. Device for protecting the umbilicus. Serial No. 558,550, May 31. Class 44.
Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Carbon paper and typewriter ribbons. Serial No. 563,111, May 31. Class 11.
Comoy, H., & Co., Limited, London, England. Tobacco pipes, cigar and cigarette holders, tobacco pouches, etc. Serial Nos. 545,717–18, May 31. Class 8.
Comoy, H., & Co., Limited, London, England. Tobacco pipes. Serial No. 545,719, May 31. Class 8.
Continental Steel Corporation, Kokomo, Ind. Fencing. Serial No. 546,066, May 31. Class 13.
Continental Steel Corporation, Kokomo, Ind. Barbed wire. Serial No. 545,087, May 31. Class 13.
Continental Steel Corporation, Kokomo, Ind. Nails. Serial No. 545,094, May 31. Class 13.
Continental Steel Corporation, Kokomo, Ind. Barbed wire and wire fence. Serial No. 545,097, May 31. Class 13.
Corhart Refractories Company, Louisville, Ky. Refractory blocks. Serial No. 555,736, May 31. Class 12.
Cretors, C., & Co., Chicago, Ill. Pop corn machines. Serial No. 545,960, May 31. Class 23.
Curtis Companies Incorporated, Clinton, Iowa. Window frames, windows, and parts thereof. Serial No. 549,366, May 31. Class 12.
Curtis, Helene, Industries, Inc., Chicago, Ill. Permanent hair waving appliances and attachments therefor. Serial No. 528,113, May 31. Class 44.
D & Z Dental Instrument Company, Inc., New York, N. Y. Diamond points and disks in dental work. Serial No. 535,824, May 31. Class 44.
Davis & Geck, Inc., Brooklyn, N. Y. Suture or traction dressing. Serial No. 562,030, May 31. Class 44.
Dell Products: *See*—
Holtz, Irene L.
Dent-Lyke Co.: *See*—
Kempster, George A.
Diamond Chain Company, Inc., Indianapolis, Ind. Power transmission chains and parts thereof. Serial No. 526,529, May 31. Class 23.
Dill Manufacturing Company, The, Cleveland, Ohio. Two-part threaded blind rivets. Serial No. 529,972, May 31. Class 13.
Dorey Lamp Co., Inc., Chicago, Ill. Oil burning flares. Serial No. 557,440, May 31. Class 34.
Drew, E. F., & Co., Inc., New York, N. Y. Detergents. Serial No. 531,453, May 31. Class 4.
Driver, Wilbur B., Company, Newark, N. J. Round and flat wire. Serial No. 553,352, May 31. Class 21.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dynamite. Serial No. 564,809, May 31. Class 9.
Durham, Lola, Dayton, Ohio. Pharmaceutical product. Serial No. 556,426, May 31. Class 6.
Dwinnell Bros. Orchards: *See*—
Dwinnell, William S., Estate of.
Dwinnell, William S., Estate of, deceased, doing business as Dwinnell Bros. Orchards, Minneapolis, Minn. Fresh apples. Serial No. 545,464, May 31. Class 46.
Eastern Corporation, Bangor, Maine. Writing, printing, wrapping, bond, ledger, "mimeograph," manifold papers and cardboard. Serial No. 516,062, May 31. Class 37.
Eastern Oregon Canning Co., Inc., Weston, Oreg. Canned vegetables. Serial No. 517,242, May 31. Class 46.
East Whittier Citrus Association, Whittier, Calif. Fresh citrus fruits. Serial No. 537,703, May 31. Class 46.
Emblem Oil Company: *See*—
Sessions, Henry H.
English Metal Powder Company Limited, London and West Drayton, England. Aluminum in powder or paste form. Serial No. 551,547, May 31. Class 14.
Enro Shirt Company, The, Louisville, Ky. Men's negligee and dress shirts, pajamas, and sport shirts. Serial No. 545,832, May 31. Class 39.
Enterprise Industries, New York, N. Y., assignor, by mesne assignments, to Bridgeport Brass Company, Bridgeport, Conn. Filled and unfilled canister-type bombs. Serial No. 499,218, May 31. Class 23.
Esso Standard Oil Company, Wilmington, Del., and New York, N. Y. Lubricating grease. Serial No. 551,550, May 31. Class 15.
Evangeline Pepper & Food Products, Inc., St. Martinsville, La. Canned goods. Serial No. 540,656, published May 31. Class 46.
Everlasting Valve Company, Jersey City, N. J. Valves. Serial No. 551,375, published May 31. Class 13.
Exeter Orange Growers Association, Exeter, Calif. Fresh citrus fruits. Serial No. 549,065, published May 31. Class 46.
Firestone Tire & Rubber Company, The: *See*—
Sleepmaster Products Company, Inc.
Fisher Dairy and Cheese Company, Wapakoneta, Ohio. Cheese. Serial No. 546,208, published May 31. Class 46.
Ford Meter Box Company, The, Wabash, Ind. Water meter couplings. Serial No. 552,137–8, published May 31. Class 13.
Foundry Equipment Company, The, Cleveland, Ohio. Industrial ovens and parts thereof. Serial No. 549,381, published May 31. Class 34.
Frick Company, Inc., Waynesboro, Pa. Farm machinery. Serial No. 524,450, published May 31. Class 23.
General Fluid Machinery Co., Inc., Huntsville, Ala. Hydraulic jacks. Serial No. 533,724, published May 31. Class 23.
Genil Incorporated, St. Paul, Minn. Ingredients and apparatus for giving permanent waves. Serial No. 561,001, published May 31. Class 44.
Gettinger, Jos. & Ben., Mission, Tex. Fresh vegetables. Serial No. 540,066, published May 31. Class 46.
Gets, William, Corporation, The, Chicago, Ill. Metal for making dental inlays and castings, and also investments, liquid painting investments, etc. Serial No. 536,278, published May 31. Class 44.
Globe Roofing Products Co., Inc., Whiting, Ind. Asphalt composition shingles, roofing, and siding. Serial No. 555,601, published May 31. Class 12.
Gluck, Joseph, Fabrics, Inc., New York, N. Y. Rayon piece goods. Serial No. 562,138, published May 31. Class 42.
Gonid, Allan, Brooklyn, N. Y. Furniture. Serial No. 539,313, published May 31. Class 22.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Horse feed. Serial No. 544,565, published May 31. Class 46.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Scratch feed and laying mash feed, etc. Serial No. 544,566, published May 31. Class 46.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Chick starter. Serial No. 544,567, published May 31. Class 46.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Chick feed, growing mash, etc. Serial No. 544,568, published May 31. Class 46.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Hog supplement feed. Serial No. 544,569, published May 31. Class 46.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Dairy feed. Serial No. 544,570, published May 31. Class 46.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Pig meal. Serial No. 544,571, published May 31. Class 46.
Greenlee Bros. & Co., Rockford, Ill. Metal working machinery, woodworking machinery, woodworking tools, etc. Serial Nos. 539,869–70, published May 31. Class 23.
Gregory Fount-O-Ink Company, Los Angeles, Calif. Writing sets. Serial No. 567,576, published May 31. Class 37.
Gump, S. & G., Company, San Francisco, Calif. Furniture. Serial No. 541,294, published May 31. Class 32.
H P Coffee Company, St. Louis, Mo. Coffee. Serial No. 549,634, published May 31. Class 46.
Hall, C. P., Company, The, Akron, Ohio. Ink remover. Serial No. 515,552–3, published May 31. Class 4.
Hampden Color and Chemical Company, Springfield, Mass. Acids, alkalies, phosphates, etc. Serial No. 533,564, published May 31. Class 6.
Harding, Milo, Company, Los Angeles, Calif. Ink and ink pads. Serial No. 562,653, published May 31. Class 11.
Harley-Davidson Motor Company, Milwaukee, Wis. Enamel polish and cleaner, and chrome polish and cleaner. Serial No. 531,590, published May 31. Class 4.
Harrington, Russell, Cutlery Company, Southbridge, Mass. Hand edge cutting tools. Serial No. 523,283, published May 31. Class 23.
Hart-Carter Company, Minneapolis, Minn. Grain separating and cleaning machines. Serial No. 548,585, published May 31. Class 23.
Hawaiian Perfume & Soap Corporation, Hollywood Calif. Soaps. Serial No. 531,472, published May 31. Class 4.
Hines, Floyd A., doing business as Hines Peanut Company, Boykins, Va. Unshelled peanuts. Serial No. 517,482, published May 31. Class 46.
Hines Peanut Company: *See*—
Hines, Floyd A.
Hoberg Paper Mills, Inc., Green Bay, Wis. Paper towels. Serial No. 553,110, published May 31. Class 37.
Hodson Corporation, The, Chicago, Ill. Lubricating oils and greases. Serial No. 553,616, published May 31. Class 15.
Hoffmann-La Roche Inc. Nutley, N. J. Chemo-therapeutic agent. Serial No. 561,827, published May 31. Class 6.
Hollywood Cosmetics Co.: *See*—
Pacini, Anna.
Holtz, Irene L., doing business as Dell Products, Plainfield, N. J. Antiseptic mouthwash. Serial No. 561,239, published May 31. Class 6.
Honolulu Star-Bulletin, Ltd., Honolulu, Territory of Hawaii. Periodical. Serial No. 542,830, published May 31. Class 38.
Horton & Converse, Los Angeles, Calif. Pharmaceutical preparation. Serial No. 533,022, published May 31. Class 6.
Humes & Berg Mfg. Co., Inc., Chicago, Ill. Accessories for musical wind instruments. Serial No. 531,476, published May 31. Class 36.
Illinois Meat Company, Chicago, Ill. Canned pork loaf. Serial No. 526,805, published May 31. Class 46.
Indian River Textile Co., Inc., Ozark, Ala. Children's wearing apparel. Serial No. 553,862, published May 31. Class 39.
Industrial Research, Inc., Phoenix, Ariz. Chemical compound. Serial No. 546,995, published May 31. Class 6.

Industrial Synthetics Corporation, Garwood, N. J. Garden hose. Serial No. 563,255, published May 31. Class 35.
Interchemical Corporation, New York, N. Y. Dyestuffs and dyestuff printing pastes. Serial No. 560,023, published May 31. Class 6.
Interchemical Corporation, New York, N. Y. Typewriter ribbon and carbon paper. Serial No. 563,740, published May 31. Class 11.
Interstate Shade Cloth Company, Hoboken, N. J. Window shade roller. Serial No. 528,725, published May 31. Class 32.
Irvington Varnish & Insulator Company, Irvington, N. J. Electrical insulation material. Serial No. 548,374, published May 31. Class 21.
Jensen, Georg, Inc., New York N. Y. Sheets, pillow cases, crib covers, etc. Serial No. 564,564, published May 31. Class 42.
Jingle Joy Toys, Inc., Orlando, Fla. Toy blocks. Serial No. 551,636, published May 31. Class 22.
Johnston Fruit Company, Santa Barbara, Calif. Fresh citrus fruits. Serial No. 548,506, published May 31. Class 46.
Kaits, Anna C., doing business as American Proprietaries, Philadelphia, Pa. Preparations for the treatment of the scalp and hair. Serial No. 558,036, published May 31. Class 6.
Keeley Brewing Company, Chicago, Ill. Beer, ale, stout, and blends thereof. Serial No. 556,964, published May 31. Class 48.
Kempster, George A., doing business as Dent-Lyke Co., Brockton, Mass. Instrument to polish the teeth and massage the gums. Serial No. 562,143, published May 31. Class 44.
Kennedy, David E., Inc., Brooklyn, N. Y. Merchandising display and storage cabinet. Serial No. 552,069, published May 31. Class 32.
Kennel Food Supply Company Incorporated, The, Fairfield, Conn. Dog food. Serial Nos. 549,734–5, published May 31. Class 46.
Kimbriel and Company, Pharr, Tex. Fresh citrus fruits. Serial No. 549,732, published May 31. Class 46.
Klein, Mathias, & Sons, Chicago, Ill. Grips for messenger, guy strand, and conductor cables. Serial No. 544,879, May 31. Class 23.
Krieger, Ben, & Company, Inc., Greensboro, N. C. Cloths for polishing, waxing and cleaning. Serial No. 561,196, May 31. Class 29.
Laber Spring and Tire Corporation, Oakland, Calif. Automotive equipment and accessories. Serial No. 507,322, May 31. Class 19.
Lamson & Goodnow Manufacturing Company, Shelburne Falls, Mass. Knives. Serial No. 542,596, May 31. Class 23.
Laros Textiles Company, Bethlehem, Pa. Ladies' undergarments. Serial No. 535,720, May 31. Class 39.
Laura Hair Novelty Co.: *See*—
Thau, Chas. K.
Lee Paper Company, Vicksburg, Mich. Bond paper. Serial No. 556,900, May 31. Class 37.
Lefkowitz, Frederic, doing business as Yeah Man Products Co., Brooklyn, N. Y. Coffee syrup. Serial No. 547,354, May 31. Class 45.
Lehman Manufacturing Company: *See*—
Lehman, Roger.
Lehman, Roger, doing business as Lehman Manufacturing Company, Newark, N. J. Internal combustion engines. Serial No. 545,006, May 31. Class 23.
Lehn & Fink Products Corporation, Bloomfield, N. J. Lipsticks. Serial No. 564,952, May 31. Class 6.
Lehn & Fink Products Corporation, Bloomfield, N. J. Powder puffs and eyelash brushes. Serial No. 568,146, May 31. Class 29.
Lever Brothers Company: *See*—
Standard Laboratories, Inc.
Lewis, Rosemarie, doing business as Vogarell Products Company, Los Angeles, Calif. Medicament administering appliances. Serial No. 546,854, May 31. Class 44.
Linmop Manufacturing Company, Dayton, Ohio. Sponge type floor mops. Serial No. 554,991, May 31. Class 29.
Loudonville Milling Company, The, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill. Cake flour. Serial No. 532,711, May 31. Class 46.
Loudonville Milling Company, The, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill. Wheat flour. Serial No. 532,731, May 31. Class 46.
Mackintosh-Hemphill Company, Pittsburgh, Pa. Unfinished cast alloy steel foundry products. Serial No. 525,001, May 31. Class 14.
Maniscola, Joseph, & Company, New York, N. Y. Blouses, suits, dresses and jackets. Serial No. 521,671, May 31. Class 39.
Mann, Lee, Boston, Mass. Atomizer units. Serial No. 559,309, May 31. Class 44.
Mann Overall Company, Inc., El Paso, Tex. Overalls and denim pants and denim jackets. Serial No. 513,749, May 31. Class 39.
Mansel, Inc., Buffalo, N. Y. Force feed lubricator pumps, chemical feeders, wheel pullers, piston ring compressors, etc. Serial No. 533,184, May 31. Class 23.
Martin's, Brooklyn, N. Y. Men's and boys' clothing. Serial Nos. 544,361–2, May 31. Class 39.
Mason Candy Company, The, Trinidad, Colo. Candy. Serial No. 534,301, May 31. Class 46.
Massage-O-Mat Corporation, New York, N. Y. Automatic massaging tables. Serial No. 559,722, May 31. Class 44.
Mastercraft Foundations, New York, N. Y. Corsets, girdles and foundation garments. Serial No. 539,726, May 31. Class 39.
Mecco Sales Co.: *See*—
Redmond, Dumas M.
Mengel Company, The, Louisville, Ky. Breakfronts; chest of drawers, commodes; bookcases; etc. Serial No. 535,172, May 31. Class 32.
Menger Manufacturing Co.: See—
Menger, William F.
Menger, William F., doing business under the name and style of Menger Manufacturing Co., Brooklyn, N. Y. Bandages. Serial No. 559,524, May 31. Class 44.
Merit Enterprises, Inc., Brooklyn, N. Y. Aluminum cooking utensils. Serial No. 553,731, May 31. Class 13.
Meylan Stopwatch Company, New York, N. Y. Watches. Serial No. 552,068, May 31. Class 27.
Meyzell Manufacturing Company, Erie, Pa. Hotplates and cook stoves. Serial No. 556,560, May 31. Class 34.
Michelsons Limited, London E. C. 2, England. Ties, dressing gowns and scarves. Serial No. 550,816, May 31. Class 39.
Miller-Cooper Ink Company, Kansas City, Mo. Printing inks. Serial No. 562,632, May 31. Class 11.
Miller's Preparations Corp., Fort Worth, Tex. Solution for alleviating pain. Serial No. 522,224, May 31. Class 6.
Mingea, John, Long Island City, N. Y. Facial invigorating apparatus. Serial No. 555,286, May 31. Class 44.
Minnesota Valley Canning Company, Le Sueur, Minn. Canned corn and pears. Serial No. 545,753, May 31. Class 46.
Modern Melodies, Inc., Chicago, Ill. Mechanically grooved phonograph records. Serial No. 546,720, May 31. Class 36.
Monogram Manufacturing Company, West Los Angeles and Los Angeles, Calif. Drawer and door handles. Serial No. 552,255, May 31. Class 13.
Morse, John, doing business as Chemgrain Plate Preparation Co., Brooklyn, N. Y. Aluminum photolithographic printing plates. Serial No. 547,567, May 31. Class 50.
National Blank Book Company, Holyoke, Mass. Loose leaf binders. Serial No. 549,648, May 31. Class 37.
National Sanitary Supply Association, Chicago, Ill. Sanitary and janitor supplies. Serial No. 530,329, May 31. Class 4.
Nebiker, Julius F., doing business as Nebiker Products Company, Peoria, Ill. Shoe hangers. Serial No. 544,101, May 31. Class 13.
Nebiker Products Company: *See*—
Nebiker Julius F.
Nekoosa-Edwards Paper Company, Port Edwards, Wis. Bond, ledger, mimeo and duplicating paper. Serial No. 540,554, May 31. Class 37.
Norlund, O. A., Company, Inc., Williamsport, Pa. Ice creepers. Serial No. 563,978, May 31. Class 13.
North American Cement Corporation, New York, N. Y. Portland cement. Serial No. 554,249, May 31. Class 12.
Northwest Tube & Metal Fabricators, Portland, Oreg. Metallic irrigation tubes, sprinkler heads and irrigation tube fittings. Serial No. 548,011, May 31. Class 13.
Norwich Knitting Company, Norwich, N. Y. Knitted underwear. Serial No. 547,035, May 31. Class 39.
Nu-Tek Co., The, Toledo, Ohio. Denture base made of acrylic resin. Serial No. 561,576, May 31. Class 44.
Oceanic Sales Co., Seattle, Wash. Canned salmon. Serial No. 548,830, May 31. Class 46.
Oceanic Sales Co., Seattle, Wash. Canned salmon. Serial No. 548,832, May 31. Class 46.
Ohio Stove Company, Portsmouth, Ohio. Stoves, ranges and barbecue grills. Serial No. 523,694, May 31. Class 34.
Orangeburg Manufacturing Co., Inc., Orangeburg, N. Y. Conduits, ducts and pipes. Serial No. 553,213, May 31. Class 12.
Osborn Paper Company, Inc., Marion, Ind. Writing tablets, papeteries, composition books, etc. Serial No. 552,162, May 31. Class 37.
Ottawa Silica Company, Ottawa, Ill. Sand. Serial No. 529,685, May 31. Class 1.
Pacini, Anna, doing business as Hollywood Cosmetics Co., Memphis, Tenn. Hair pomade. Serial No. 563,952, May 31. Class 6.
Pandex Company, The: *See*—
Aaronson, Alfred I.
Parfums Lilly Dache, Ltd., The, New York, N. Y. Perfume, toilet water, eau de cologne, etc. Serial No. 553,012, May 31. Class 6.
Patch, E. L., Company, The, Stoneham, Mass. Sedation tablets. Serial No. 558,734, May 31. Class 6.
Perdue Manufacturing Company, Inc., Athens, Ga. Men's and boys' work and sport clothing. Serial No. 544,382, May 31. Class 39.
Phelan-Faust Paint Mfg. Co., St. Louis, Mo. Interior flat wall paint. Serial No. 533,357, May 31. Class 16.
Portland Packing Co., Portland, Maine. Canned vegetables. Serial Nos. 548,176–8, May 31. Class 46.
Portland Packing Co., Portland, Maine. Canned golden corn. Serial No. 548,180, May 31. Class 46.

Pratt-Low Preserving Co., Santa Clara, Calif. Canned fruits and vegetables. Serial No. 522,478, May 31. Class 46.

Prentice, G. E., Manufacturing Company, Kensington, Conn. Slide operated fasteners. Serial Nos. 532,492–3, May 31. Class 13.

Pritchard, E., Inc., Bridgeton, N. J. Orange marmalade, apple butter, fruit preserves, jams, and jellies. Serial No. 540,315, May 31. Class 46.

Pro-Capa Products Inc., Brooklyn, N. Y. Hair tonic. Serial No. 516,998, May 31. Class 6.

Progressive Educators, Inc., Chicago, Ill. Magazines. Serial No. 506,440, May 31. Class 38.

Pure Oil Company, The, Chicago, Ill. Soluble oil. Serial No. 552,799, May 31. Class 15.

Pyle-National Company, The, Chicago, Ill. Air distributing apparatus. Serial No. 548,840, May 31. Class 34.

Quaker Oats Company, The, Chicago, Ill. Biscuit and patty shells formed of whole wheat. Serial No. 549,170, May 31. Class 46.

Redmond, Dumas M., doing business as Mecco Sales Co., Brooklyn and New York, N. Y. Foot lotion. Serial No. 552,166, May 31. Class 6.

Red 73 Creamery, Inc., Union City, Ohio. Butter, powdered milk, and sweetened condensed milk. Serial No. 549,463, May 31. Class 46.

Reefer-Galler, Inc., New York, N. Y. Moth preventative and insecticide. Serial No. 530,434, May 31. Class 6.

Regan, William H., doing business under the name of Cal-Ox Laboratory, Bergenfield, N. J. Bland antiseptic, emollient, and powerful suppurative. Serial No. 561,842, May 31. Class 6.

Rifkin, William, & Sons, Philadelphia, Pa. Men's, ladies', and children's nightgowns, pajamas, and underwear. Serial No. 543,990, May 31. Class 39.

Rilling Company, Minneapolis, Minn., assignor to Rilling Company, Bridgeport, Conn. Permanent hair waving machines, etc. Serial No. 496,664, May 31. Class 44.

Robinson-Wagner Co., Inc., New York, N. Y. Viscous, oil distillate of lanolin. Serial No. 562,167, May 31. Class 6.

Roseth Corporation, New York and Brooklyn, N. Y. Mothproofing liquids, moth cakes, and moth crystals. Serial No. 565,007, May 31. Class 6.

Sales, Gene, Hollywood, Calif. Cosmetics. Serial No. 506,771, May 31. Class 6.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Preparations for use in treating poultry, domestic animals, and farm livestock. Serial No. 555,961, May 31. Class 6.

Savage Metal Products: *See*—
Savage, Stanley.

Savage, Stanley, doing business as Savage Metal Products, Seattle, Wash. Fishing tackle. Serial No. 551,319, May 31. Class 22.

Sea Island Manufacturing Company, Inc., New York, N. Y., assignor to Tempest Shirt Mfg. Co., Inc., Jesup, Ga. Boys' outer shirts. Serial No. 545,042, May 31. Class 39.

Sensenbrenner, A., Sons, Los Angeles, Calif. Cigars. Serial No. 545,908, May 31. Class 17.

Sensenbrenner, A., Sons, Los Angeles, Calif. Cigars. Serial No. 547,490–1, May 31. Class 17.

Sessions, Henry H., doing business as Emblem Oil Company, North Long Beach, Calif. Diesel motor fuels and Diesel motor oils. Serial No. 507,223, May 31. Class 15.

Shapleigh Hardware Company, St. Louis, Mo. Hand tools of all kinds. Serial No. 546,622, May 31. Class 23.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial pressor and vaso-constrictor preparation. Serial No. 564,846, May 31. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. Serial No. 565,398, May 31. Class 6.

Sherwin Williams Company, The, Cleveland, Ohio. Brushes. Serial No. 550,560, May 31. Class 29.

Simmons Company, New York, N. Y. Mattresses and box springs. Serial No. 551,742, May 31. Class 32.

Sinclair Refining Company, New York, N. Y. Mineral wax. Serial No. 555,020, May 31. Class 15.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Fabrics. Serial No. 563,026, May 31. Class 42.

Sleepmaster Products Company, Inc., Newark, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Mattresses. Serial No. 534,828, May 31. Class 32.

Smith, Arthur E., Los Angeles, Calif. Syringes, empty ampules, hypodermic needles, etc. Serial No. 527,212, May 31. Class 44.

Smithweld Company, The, Houston, Tex. Oxy-acetylene welding torches, cutting torches, lead burning torches, etc. Serial No. 541,210, May 31. Class 34.

Sosin, Walter S., New York, N. Y. Ladies' slips, lounging robes, and pajamas. Serial No. 555,314, May 31. Class 39.

Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Kraft wrapping paper. Serial No. 508,866, May 31. Class 37.

Southern States Iron Roofing Company, Savannah, Ga. Turpentine cups, aprons, and cup covers. Serial No. 539,226, May 31. Class 13.

Southwest Steel Rolling Mills, Los Angeles, Calif. Metal fence posts. Serial No. 543,539, May 31. Class 13.

Sperry Candy Company, Milwaukee, Wis. Candy bars. Serial No. 541,215, May 31. Class 46.

Sports Afield Publishing Company, Minneapolis, Minn., Chicago, Ill., and New York, N. Y. Annual publication. Serial No. 556,828, May 31. Class 38.

Sports Afield Publishing Company, Minneapolis, Minn., Chicago, Ill., and New York, N. Y. Periodical. Serial No. 556,829, May 31. Class 38.

Squibb, E. R., & Sons, New York, N. Y. Tablets containing both tutin and ascorbic acid. Serial No. 535,753, May 31. Class 6.

Standard Brands Incorporated, New York, N. Y. Food flavoring or seasoning composition. Serial No. 549,678, May 31. Class 46.

Standard Laboratories, Inc., New York, N. Y., assignor to Lever Brothers Company, Cambridge, Mass. Kit for use in home permanent wave. Serial No. 548,876, May 31. Class 44.

Standard Milling Company: *See*—
Loudonville Milling Company, The.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Insecticidal carriers and solvents. Serial No. 563,030, May 31. Class 6.

Star Kay White, New York, N. Y. Flavorings in liquid and powdered form. Serial No. 546,732, May 31. Class 46.

Stavriener Corporation, Chicago, Ill. Prefabricated building panels. Serial No. 527,453, May 31. Class 12.

Stokes, Donald C., doing business as Stokes Institute of Hair Technology, Newark, N. J. Liquid and wax base hair preparations. Serial No. 516,510, May 31. Class 6.

Stokes Institute of Hair Technology: *See*—
Stokes, Donald C.

Stone-Woodward, Inc., Newton Upper Falls and Newton, Mass. Billiard table cushions. Serial No. 554,834, May 31. Class 22.

Stroock, S., & Co. Inc., New York, N. Y. Woven cloth. Serial No. 558,967, May 31. Class 42.

Sun-Maid Raisin Growers of California, Fresno, Calif. Raisins, raisin syrup, canned pie fruit, etc. Serial No. 537,099, May 31. Class 46.

Superior Brands, Inc., New York, N. Y. Ryedough conditioner in dehydrated form. Serial No. 534,395, May 31. Class 46.

Surprenant, Albert H., doing business as Surprenant Electrical Insulation Co., assignor to Surprenant Mfg. Co., Boston, Mass. Electric insulated wire. Serial No. 497,560, May 31. Class 21.

Surprenant Electrical Insulation Co.: *See*—
Surprenant, Albert H.

Sutton Manufacturers, Inc., Miami, Fla. Funeral caskets. Serial No. 535,849, May 31. Class 2.

Talon, Inc., Meadville, Pa. Slide fasteners. Serial No. 551,919, May 31. Class 13.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist and smoking tobacco. Serial No. 525,430, May 31. Class 17.

Tempest Shirt Mfg. Co., Inc.: *See*—
Sea Island Manufacturing Company, Inc.

Thau, Chas. K., doing business as Laura Hair Novelty Co., New York, N. Y. Hair nets. Serial No. 555,706, May 31. Class 39.

Thomas & Betts Co., The, Elizabeth, N. J. Armoured cable and non-metallic flexible conduit fittings. Serial No. 547,060, May 31. Class 21.

Timken-Detroit Axle Company, The, Detroit, Mich. Furnaces, boilers, water heaters, etc. Serial No. 531,547, May 31. Class 34.

Ton-Tex Corporation, Grand Rapids, Mich. Transmission and conveyor belting. Serial No. 543,365, May 31. Class 35.

Tuholske, Leon, doing business as Tx Company, Akron, Ohio. Dermatological preparations. Serial No. 559,260, May 31. Class 6.

Tx Company: *See*—
Tuholske, Leon.

Ullmann, Bernhard, Co., Inc., Long Island City, N. Y. Decorative table linen. Serial No. 552,417, May 31. Class 42.

Union Oil Company of California, Los Angeles, Calif. Lubricating oils. Serial No. 555,852, May 31. Class 15.

United Feature Syndicate, Inc., New York, N. Y. Comic drawings. Serial No. 554,536, May 31. Class 38.

United Mills Corporation, Mount Ollead, N. C. Ladies' slips, bed jackets and night gowns. Serial No. 549,991, May 31. Class 39.

Universal Laboratories, Inc., East Orange, N. J. Women's negligees, pajamas, nightgowns, etc. Serial No. 558,604, May 31. Class 39.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 559,967, May 31. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 560,068, May 31. Class 6.

Valley Paper Company, Holyoke, Mass. Writing, typewriter and printing paper. Serial No. 527,574, May 31. Class 37.

Van Ameringen-Haebler, Inc., New York, N. Y. Food flavoring extracts. Serial No. 537,375, May 31. Class 46.

Velodent Products Mfg. Co., Inc., New York, N. Y. Rodenticides and insecticides. Serial No. 538,684, May 31. Class 6.

Victor Bekmand Strand, Copenhagen, Denmark. Custard powder and pudding powder; bread, cream crackers, and biscuits, etc. Serial No. 539,577, May 31. Class 46.

Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets, gasket material, and treated paper sheet packing material. Serial No. 552,004, May 31. Class 35.

Vogarell Products Company: *See*—
Lewis, Rosemarie.

Webbie, George J., doing business as Webby Company, Brockton, Mass. Chemical solution for use in batteries. Serial No. 563,510, May 31. Class 6.

Webby Company: *See*—
Webbie, George J.

Western Auto Supply Company, Kansas City, Mo. Motor oil. Serial No. 548,036, May 31. Class 15.

Western Auto Supply Company, Kansas City, Mo. Radio receiving sets and radio tubes. Serial No. 553,761, May 31. Class 21.

Western Newspaper Union, Dover, Del., and Omaha, Nebr. Printing inks. Serial No. 555,328, May 31. Class 11.

Willis, K. I., Corporation, Moline, Ill. Elevator cups. Serial No. 536,737, May 31. Class 23.

Winter and Company: *See*—
Winter & Company, Inc.

Winter & Company, Inc., by merger with Winter and Company, New York, N. Y. Piano plates. Serial No. 491,189, May 31. Class 36.

Wilputte Coke Oven Corporation, now by merger Allied Chemical & Dye Corporaiton, New York, N. Y. Gas manufacturing equipment. Serial No. 538,480, May 31. Class 34.

Wolverine Shoe & Tanning Corporation, Rockford, Mich. Men's work gloves. Serial No. 553,331, May 31. Class 39.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. Serial No. 527,775, May 31. Class 22.

Wrisley, Allen B., Company, Perfume. Serial No. 517,222, May 31. Class 6.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkaline compound. Serial No. 533,104, May 31. Class 6.

Yeah Man Products Co.: *See*—
Lefkowits, Frederic.

LIST OF REGISTRANTS OF TRADE-MARKS

A & A Sales Co., Glendale, Calif. Hose nozzles. 439,375, June 22, 1948. Republished May 31. Class 13.

Affiliated Products, Inc.: *See*—
Whitehall Pharmical Company.

Aid-Oil Drugs: *See*—
Simon, Irving.

Albany Billiard Ball Company, Albany, N. Y. Billiard balls. 510,305, May 31; Serial No. 540,234, published Feb. 1, 1949. Class 22.

Albany Billiard Ball Company, Albany, N. Y. Billiard balls. 510,306, May 31; Serial No. 540,236, published Feb. 1, 1949. Class 22.

Algemeene Kunstzijde Unie, N. V., Arnhem, Netherlands. Artificial fibers. 442,812, May 31; Serial No. 524,036, published July 13, 1948. Class 1.

Allen, S. L., & Co., Inc., Philadelphia, Pa. Coasting sleds. 252,134, Jan. 22 1929. Republished May 31. Class 22.

Allied Chemical & Dye Corporation: *See*—
National Aniline & Chemical Company, Incorporated.

Alltex Products Company: *See*—
Simon, Irving.

Alrose Chemical Company, Cranston, R. I. Salts for the treatment of ferrous metal surfaces. 347,284, June 22, 1937. Republished May 31. Class 6.

Altshul, Stern & Co.: *See*—
Altshul-Stern & Co.

Altshul-Stern & Co., by Altshul, Stern & Co. Inc., New York, N. Y. Handkerchiefs. 375,865, Mar. 5, 1940. Republished May 31. Class 39.

American Air Filter Company, Inc., Louisville, Ky. Non-oily viscous liquids. 510,447, May 31; Serial No. 562,005, published Feb. 22, 1949. Class 6.

American Chemical Paint Company, Ambler, Pa. Chemical preparation. 510,191, May 31; Serial No. 521,423, published Feb. 1, 1949. Class 6.

American Cronsarm & Conduit Company, Chicago, Ill. Cross-arms, braces, pins, and brackets. 510,297, May 31; Serial No. 539,377, published Dec. 28, 1948. Class 12.

American Drug & Press Association, Decorah, Iowa, by National Toilet Company, Paris, Tenn. Toothache drops, sore throat, cold cream, tooth paste, etc. 164,924, June 29, 1916. Republished May 31. Class 6.

American Extruded Products Co., Hollywood, Calif. Plastic members formed by extrusion in the form of rigid or semi-rigid sheets, rods, bars, etc. 510,170, May 31; Serial No. 503,543, published Feb. 22, 1949. Class 1.

American Greeting Publishers Incorporated, Cleveland, Ohio. Greeting cards. 439,306, June 22, 1948. Republished May 31. Class 38.

American Hospital Supply Corporation, Chicago, Ill. Skin refreshant and emolient for massage. 510,454, May 31; Serial No. 480,307. Class 6.

American Rubber Products Corporation, New York, N. Y. Flush tank balls. 510,470, May 31; Serial No. 541,631. Class 13.

American Stores Company, Philadelphia, Pa. Gelatine dessert. 243,886, renewed July 3, 1946. O. G. May 31. Class 46.

American Sugar Refining Company, The: *See*—
Franklin Sugar Refining Company, The.

American Sugar Refining Company, The, Jersey City, N. J., to The American Sugar Refining Company, New York, N. Y. Granulated sugar. 73,093, re-renewed Mar 16, 1949. O. G. May 31. Class 46.

American Sugar Refining Company, The, Jersey City, N. J., to The American Sugar Refining Company, New York, N. Y. Granulated sugar. 73,095, re-renewed Mar. 16, 1949. O. G. May 31. Class 46.

American Sugar Refining Company, The, Jersey City, N. J., to The American Sugar Refining Company, New York, N. Y. Granulated sugar. 73,097–8, re-renewed Mar. 16, 1949. O. G. May 31. Class 46.

American Sugar Refining Company, The, Jersey City, N. J., to The American Sugar Refining Company, New York, N. Y. Hard sugar. 73,099–100, re-renewed Mar. 16, 1949. O. G. May 31. Class 46.

American Tar Products Company to Koppers Company, Inc., Pittsburgh, Pa. Bituminous tar paving materials. 260,696, renewed Aug. 27, 1940. O. G. May 31. Class 12.

Ampco Metal, Inc., Milwaukee, Wis. Rolled and extruded non-ferrous tubing. 510,185, May 31; Serial No. 517,895, published Jan. 25, 1949. Class 13.

Anderson, Albert & J. M., Manufacturing Company, Boston, Mass. Electrical connectors. 437,320, Mar. 16, 1948. Republished May 31. Class 21.

Appaline Oil Company, Clarksburg, W. Va., to Sterling Oil Company, Oil City, Pa. Fuel oils and lubricating oils and grease. 254,154, renewed Mar. 12, 1940. O. G. May 31. Class 15.

Arbogast, Fred and Company, Inc., Akron, Ohio. Artificial bait. 510,892–3, May 31; Serial No. 549,043–4, published Feb. 1, 1949. Class 22.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Bath salts, toilet water, talcum powder, etc. 510,355, May 31; Serial No. 545,936, published Feb. 22, 1949. Class 6.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Liquid and cream foundations for facial use. 510,405, May 31; Serial No. 550,768, published Feb. 22, 1949. Class 6.

Argosy Pictures Corporation, Culver City, Calif. Motion picture photoplays. 510,246, May 31; Serial No. 532,093, published Feb. 8, 1949. Class 26.

Armand Company, The: *See*—
Florian, Inc.

Armour and Company, Chicago, Ill. Strings for tennis, badminton, and squash rackets. 510,204, May 31; Serial No. 527,767, published Jan. 18, 1949. Class 22.

Armour and Company, Chicago, Ill. Strings for tennis, badminton, and squash rackets. 510,206, May 31; Serial No. 527,870, published Jan. 18, 1949. Class 22.

Armour and Company, Chicago, Ill. Strings for beads. 510,212, May 31; Serial No. 526,669, published Feb. 22, 1949. Class 28.

Armour and Company, Chicago, Ill. Strings for beads. 510,213, May 31; Serial No. 526,673, published Feb. 22, 1949. Class 28.

Armstrong Grocery Company, Sharon, Pa. Canned fruits, canned vegetables, canned sliced pineapple, and canned canned sauerkraut. 294,567, May 31, 1932. Republished May 31. Class 46.

Armstrong Grocery Company, Sharon, Pa. Matches. 436,516, Feb. 10, 1948. Republished May 31. Class 9.

Armstrong Grocery Company, Sharon, Pa. Brooms. 438,262, Apr. 13, 1948. Republished May 31. Class 29.

Armstrong Grocery Company, Sharon, Pa. Soap. 438,263, Apr. 13, 1948. Republished May 31. Class 4.

Armstrong Paint & Varnish Works, doing business as Nickel Plate Stove Polish Company, Chicago, Ill. Stove polish. 510,298, May 31; Serial No. 539,620, published Jan. 18, 1949. Class 4.

Armstrong Paint & Varnish Works, doing business as Nickel Plate Stove Co., Chicago, Ill. Stove polish. 510,299, May 31; Serial No. 539,621, published Jan. 18, 1949. Class 4.

Asher, Albert: *See*—
Garcia & Maggini Co.

Asher, Albert, Company: *See*—
Garcia & Maggini Co.

Associated Apparel Industries, Inc.: *See*—
Gossard, H. W., The.

Associated Merchandising Corporation, The, New York, N. Y. Necklaces. 510,300, May 31; Serial No. 546,544, published Feb. 22, 1949. Class 28.

Atlanta Belting Company, Atlanta, Ga. Leather belting. 249,755, Oct. 30, 1928. Republished May 31. Class 20.

Atlanta Belting Company, Atlanta, Ga. Leather belting. 510,308, May 31; Serial No. 549,607, published Feb. 15, 1949. Class 20.

Auerbach Bath Robe Co., The: *See*—
Auerbach, Morris.

Auerbach Bath Robe Corp.: *See*—
Auerbach, Morris.

Auerbach, Morris, doing business as The Auerbach Bath Robe Co., by Auerbach Bath Robe Corp., New York, N. Y. Bath robes, pullman and beach robes and house robes. 160,133, Oct. 17, 1922. Republished May 31. Class 39.

Automatic Ticket Register Corporation, New York, by General Register Corporation, Long Island City, N. Y. Ticket printing, registering and issuing machines. 224,624, Nov. 1, 1927. Republished May 31. Class 26.

Ayrshire Collieries Corporation, Wilmington, Del., and Indianapolis, Ind. Coal. 510,376, May 31; Serial No. 547,689, published Feb. 8, 1949. Class 1.

Bailey, E. M., & Co. Inc.: *See*—
Bell, Peter.

Baker Castor Oil Company, The, Bayonne, N. J. and New York, N. Y. Substantially saturated fatty acid esters. 442,796, May 31; Serial No. 520,677, published Jan. 18, 1949. Class 6.

Ballou, B. A., & Co, Incorporated, Providence, R. I. Safety pins, barrettes, neck chains, etc. 72,995, renewed Mar. 9, 1949. O. G. May 31. Class 28.

Bancroft, Joseph, & Sons Co., Rockford, Wilmington, Del. Cotton and rayon fibres. 510,218, May 31; Serial No. 529,347, published Feb. 1, 1949. Class 1.

Barron, Anderson Company, Boston, Mass. Men's topcoats, overcoats, suits, vests, and trousers. 273,331, July 29, 1930. Republished May 31. Class 39.

Bash, John M., doing business as Phillips Chemical Company, Chicago, Ill. Cleaning compounds and solvents. 442,764, May 31; Serial No. 506,154, published Feb. 8, 1949. Class 4.

Beggs & Cobb, Incorporated, Boston, Mass. Upper leather. 429,817-18, May 20, 1947. Republished May 31. Class 1.

Beggs & Cobb, Incorporated, Boston, Mass. Upper leather. 429,928, May 20, 1947. Republished May 31. Class 1.

Bell, Bonne, Inc., Lakewood, Ohio. Shampoo in cream form. 510,290, May 31; Serial No. 537,867, published Sept. 28, 1948. Class 6.

Bell Chemical Co., Chicago, Ill. Rat paste. 510,352, May 31; Serial No. 545,327, published Feb. 22, 1949. Class 6.

Bell Drug Co.: *See*—
Bell, Peter.

Bell & Gossett Company, Morton Grove, Ill. Heat exchangers, indirect water heaters, expansion tanks, etc. 510,165, May 31; Serial No. 493,911, published Jan. 18, 1949. Class 34.

Bell Industries, Inc., Chicago, Ill. Ornamental balls. 442,806, May 31; Serial No. 522,730, published Feb. 22, 1949. Class 50.

Bell, Peter, doing business as Bell Drug Co., assignor to E. M. Bailey & Co. Inc., New York, N. Y. Liquid scalp preparation. 442,762, May 31; Serial No. 505,332, published June 10, 1947. Class 6.

Bendel, Henri, Inc., New York, N. Y. Girls', misses', and women's coats, suits, dresses, furs. 439,023, June 1, 1948. Republished May 31. Class 39.

Bengue & Co, Ltd., Mount Pleasant, Alperton, Middlesex, England. Vitamin adjuvant preparation in tablet form. 510,381, May 31; Serial No. 548,233, published Feb. 22, 1949. Class 6.

Bengua Inc., Union City, N. J. Medicinal preparation. 510,378, May 31; Serial No. 547,888, published Feb. 1, 1949. Class 6.

Berg, F., & Company, Incorporated, Norwalk, Conn., and New York, N. Y., to Hat Corporation of America, Norwalk, Conn. Hats for men. 280,868, renewed Aug. 27, 1949. O. G. May 31. Class 39.

Bindlitio, Nick, Baton Rouge, La. Liquid hair and scalp conditioner. 510,389, May 31; Serial No. 548,916, published Feb. 22, 1949. Class 6.

Biscaglia Brothers Wine Co., Fresno, Calif. Wines. 401,027, Apr. 20, 1943. Republished May 31. Class 47.

Black, Sivalls & Bryson, Inc., Kansas City, Mo. Steel walkways and stairways. 510,411, May 31; Serial No. 552,566, published Jan. 11, 1949. Class 12.

Black Hills Bentonite, Inc., Moorcroft, Wyo. Bentonite. 510,394-5, May 31; Serial No. 549,114-5, published Feb. 22, 1949. Class 1.

Blackwood Coal & Coke Co.: *See*—
Blackwood Coal and Coke Company.

Blackwood Coal and Coke Company, Philadelphia, Pa., to Blackwood Coal & Coke Co., Blackwood, Va. and Philadelphia, Pa. Bituminous coal. 257,006, renewed May 26, 1949. O. G. May 31. Class 1.

Blair, J. C., Company, Huntingdon, Pa., to Western Tablet & Stationery Corporation, Dayton, Ohio. Paper for writing and printing purposes, drawing-paper, pencil-paper, etc. 74,905, re-renewed Aug. 17, 1949. O. G. May 31. Class 37.

Blair of Virginia: *See*—
Mortan Manufacturing Corporation.

Blank, Frederic, & Co., Inc., New York, N. Y. Fabric base wall coverings. 385,906, Feb. 25, 1941. Republished May 31. Class 50.

Blank, Frederic, & Co., Inc., New York, N. Y. Coverings in the nature of treated fabrics. 392,754, Jan. 13, 1942. Republished May 31. Class 50.

Blu Bru Company: *See*—
Wilhelm, Warner F.

Boeing Airplane Company, by Boeing Airplane Company, Seattle, Wash. Airplanes and structural parts. 247,992, Oct. 9, 1928. Republished May 31. Class 19.

Bola Toys, Incorporated, Greenwich, Conn. Toys. 510,284, May 31; Serial No. 536,752, published Jan. 11, 1949. Class 22.

Bond Diamond Company, New York, by Schuman & Donchi, Inc., Newark, N. J. Diamonds and diamond rings. 435,950, Jan. 20, 1948. Republished May 31. Class 28.

Bosco Company, Inc.: *See*—
Scull, William S., Company.

Boston Herald-Traveler Corporation: *See*—
Boston Publishing Company.

Boston Publishing Company, by Boston Herald-Traveler Corporation, Boston, Mass. Sections or columns of daily newspapers. 265,256, Dec. 24, 1929. Republished May 31. Class 35.

Bowles, Frances P., trustee of the estate of E. P. Porcher, Cocoa, Fla., assignor to A. R. Earnhardt, Daytona Beach, Fla. Fresh citrus fruits. 510,237, May 31; Serial No. 531,458, published Feb. 8, 1949. Class 46.

Bradas & Gheens, to Bradas & Gheens, Inc., Louisville, Ky. Candy. 73,104, re-renewed Mar. 16, 1949. O. G. May 31. Class 46.

Bradas & Gheens, Inc.: *See*—
Bradas & Gheens.

Bradford Bros., Inc., Placentia, Calif. Fresh citrus fruits. 260,092, renewed Aug. 13, 1949. O. G. May 31. Class 46.

Bradley, W. F., doing business as Hidden Gold Canning Company, National City, Calif., by W. J. Bush Citrus Products Company, Inc., National City, Calif., and New York, N. Y. Canned citrus juices and vegetable juices. 372,134, Oct. 24, 1939. Republished May 31. Class 46.

Bray Chemical Co., Chicago, Ill., assignor to Mathieson Chemical Corporation, New York, N. Y. Caustic soda. 510,417, May 31; Serial No. 553,669, published Feb. 1, 1949. Class 6.

Brenner Manufacturing Company, St. Louis, Mo. Mechanical toys. 510,175, May 31; Serial No. 511,859, published Jan. 11, 1949. Class 22.

Brockway Company, The, Naugatuck, Conn. Pipe fittings. 442,780, May 31; Serial No. 516,951, published Feb. 8, 1949. Class 13.

Brown & Bailey Company, Philadelphia, Pa. Folding paper boxes, cartons, and containers. 206,047, Nov. 24, 1925. Republished May 31. Class 2.

Brown, G. H., Specialty Co., Des Moines, Iowa. Aspirin tablets. 510,429, May 31; Serial No. 555,149, published Feb. 22, 1949. Class 6.

Brown, Geo. D., & Son, Inc., Chelan Falls, Wash. Fresh deciduous fruits. 438,124, Apr. 6, 1948. Republished May 31. Class 46.

Brown, Raymond E., doing business as Brown Tool & Mfg. Co., Westfield, Mass. Fish line reels. 510,281, May 31; Serial No. 536,493, published Jan. 11, 1949. Class 22.

Brown Tool & Mfg. Co.: *See*—
Brown, Raymond E.

Brownestein, Henry J., doing business as Hysan Products Company, by Hysan Products Company, Chicago, Ill. Disinfectants and insecticides. 306,672, Sept. 26, 1933. Republished May 31. Class 6.

Broning, Charles, Company, Inc., New York, N. Y. Sensitized photographic paper. 510,230, May 31; Serial No. 530,165, published Feb. 8, 1949. Class 26.

Bryson, Newell M.: *See*—
Paller Engineering Company.

Buchheimer Company, The, assignor to Graton & Knight Company, to Graton & Knight Company, Worcester, Mass. Animal equipment. 255,933, renewed Apr. 30, 1949. O. G. May 31. Class 3.

Buell, George C., & Co., Inc., Rochester, N. Y., assignor to Wm. S. Scull Company, to Wm. S. Scull Company, Camden, N. J. Tea. 258,361, renewed July 2, 1949. O. G. May 31. Class 46.

Buell, George C., & Co., Inc., Rochester, N. Y., assignor to Wm. S. Scull Company to Wm. S. Scull Company, Camden, N. J. Tea and coffee. 258,362, renewed July 2, 1949. O. G. May 31. Class 46.

Bulova Watch Company, Inc., New York, N. Y. Watches. 258,603, renewed July 9, 1949. O. G. May 31. Class 27.

Bush, J. E.: *See*—
Tasco Corporation.

Bush, W. J., Citrus Products Company, Inc.: *See*—
Bradley, W. F.

Butler Brothers, Chicago, Ill. Hosiery. 121,754, May 28, 1918. Republished May 31. Class 39.

Butler Brothers, Chicago, Ill. Gloves. 149,646, Dec. 20, 1921. Republished May 31. Class 39.

Butler Brothers, Chicago, Ill. Men's and boys' overalls and jackets, athletic shirts and shorts, work shirts, etc. 351,969, Nov. 16, 1937. Republished May 31. Class 39.

Butler Brothers, Chicago, Ill. Sheets and pillow cases. 352,614, Dec. 7, 1937. Republished May 31. Class 42.

California Fruit Canners Association, to California Packing Corporation, San Francisco, Calif. Canned fruits and canned vegetables and dried fruits. 73,508, renewed Apr. 27, 1949. O. G. May 31. Class 46.

California Fruit Canners Association, to California Packing Corporation, San Francisco, Calif. Canned vegetables. 73,509, re-renewed Apr. 27, 1949. O. G. May 31. Class 46.

California Fruit Exchange, Sacramento, Calif. Fresh fruits. 300,681, Jan. 31, 1933. Republished May 31. Class 46.

California Knitting Mills, doing business as Hollywogue Knitting Mills and Hollywogue Sportswear Co., Los Angeles, Calif. Men's, boys', women's, misses', and children's sweaters, bathing suits, coats, etc. 510,468, May 31; Serial No. 541,083. Class 39.

California Packing Corporation: *See*—
California Fruit Canners Association.
Code-Portwood Canning Co.

Caloric Stove Corporation, Philadelphia, Pa. Temperature regulating apparatus. 510,214, May 31; Serial No. 528,690, published Feb. 8, 1949. Class 26.

Camden Furniture Company, Camden, Ark. Furniture. 363,431, Dec. 27, 1938. Republished May 31. Class 32.

Camden Furniture Company, Camden, Ark. Household furniture. 417,420, Oct. 30, 1945. Republished May 31. Class 32.

Campen, John S., Fort Lauderdale, Fla. Board game. 510,384, May 31; Serial No. 548,635, published Jan. 18, 1949. Class 22.

Capital Bakers, Inc.: *See*—
Capital City Baking Co.

Capital City Baking Co., by Capital Bakers, Inc., Harrisburg, Pa. Bread. 287,990, Oct. 20, 1931. Republished May 31. Class 46.

Carnan Company: *See*—
Hemphill, Edward C.

Carnegie, Hattie, Inc., New York, N. Y. Shoes, sandals, slippers, and play shoes. 442,821, May 31; Serial No. 528,667. Class 39.

Carter, R. J. S., Minneapolis, Minn. Balls of synthetic rubber or other resilient material. 510,192, May 31; Serial No. 521,021, published Jan. 18, 1949. Class 4.

Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Plumbing fixtures. 510,276, May 31; Serial No. 535,802, published Feb. 1, 1949. Class 13.

Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Plumbing fixtures. 510,276, May 31; Serial No. 535,803, published Feb. 1, 1949. Class 13.

Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Plumbing fixtures. 510,278-80, May 31; Serial Nos. 536,345-7, published Feb. 15, 1949. Class 13.

Cawthon-Coleman Company, to Cawthon-Coleman Drug Company, Inc., Selma, Ala. Remedy for the treatment of eczema, tetter, ringworm, etc. 72,480, re-renewed Jan. 26, 1949. O. G. May 31. Class 6.

Cawthon-Coleman Drug Company, Inc.: *See*—
Cawthon-Coleman Company.

Cellulo Company, The, Sandusky, Ohio. Filtering apparatus and asbestos filter pads. 439,167, June 8, 1948. Republished May 31. Class 31.

Centrifix Corporation, Cleveland, Ohio. Fluid separators. 442,791, May 31; Serial No. 519,731, published June 15, 1948. Class 13.

Century Fabrics Company Inc., Chicago, Ill. Shredded foam rubber. 510,322, May 31; Serial No. 541,260, published Feb. 1, 1949. Class 1.

Champ Hats Inc.: *See*—
La Salle Hat Company, The.

Chase, L. C., & Company, Boston, Mass., to Goodall-Sanford, Inc., Sanford, Maine. Rubberized raincoat fabrics. 260,660, renewed Aug. 27, 1949. O. G. May 31. Class 42.

Chemteet Laboratories: *See*—
Katz Drug Company.

Chicago Pharmacal Company, Chicago, Ill. Tonic. 339,590, Oct. 13, 1936. Republished May 31. Class 6.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. 438,573, May 4, 1948. Republished May 31. Class 38.

Church & Dwight Co., Inc., New York, N. Y. Sal soda. 257,600, renewed June 11, 1949. O. G. May 31. Class 6.

Church & Dwight Co., Inc., New York, N. Y. Bicarbonate of soda, baking soda, sal soda, etc. 257,768, renewed June 18, 1949. O. G. May 31. Class 6.

Church & Dwight Co., Inc., New York, N. Y. Bicarbonate of soda. 257,950, renewed June 28, 1949. O. G. May 31. Class 6.

Ciba Pharmaceutical Products, Inc., Summit, N. J. Estrogenic compound. 510,445, May 31; Serial No. 560,445, published Feb. 22, 1949. Class 6.

Cincinnati Clock & Instrument Co., Cincinnati, Ohio. Cameras and film spools. 510,239, May 31; Serial No. 531,648, published Feb. 8, 1949. Class 26.

Clark, James B., St. Petersburg, Fla. Artificial fish lures. 510,167, May 31; Serial No. 499,823, published Jan. 25, 1949. Class 22.

Clemens, E., Horst Co., San Francisco, Calif. Hops and lupulin. 438,105, Apr. 6, 1948. Republished May 31. Class 1.

Cleveland-Cliffs Iron Company, The, Cleveland, Ohio. Coal. 510,372, May 31; Serial No. 547,234, published Feb. 8, 1949. Class 1.

Cleveland Dental Manufacturing Company, The, Cleveland, Ohio. Liquid in which dental instruments are bathed for cleaning the same. 510,248, May 31; Serial No. 532,391, published Jan. 18, 1949. Class 4.

Cleveland Varnish Company, The, Cleveland, Ohio, by John Lucas & Company, Incorporated, Philadelphia, Pa. Varnishes, japans, varnish-oils, etc. 67,886, Feb. 25, 1908. Republished May 31. Class 16.

Cluett, Peabody & Co., Inc., Troy, N. Y. Negligee and dress shirts. 259,675, renewed Aug. 6, 1949. O. G. May 31. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 259,682, renewed Aug. 6, 1949. O. G. May 31. Class 39.

Clyde Porcelain Steel Corporation: *See*—
Porcelain Tile Company.

Code-Portwood Canning Co., Fruitvale, Calif., to California Packing Corporation, San Francisco, Calif. Canned fruits. 74,469, re-renewed July 13, 1949. O. G. May 31. Class 46.

Code-Portwood Canning Co., Fruitvale, Calif., to California Packing Corporation, San Francisco, Calif. Canned vegetables. 74,902, re-renewed Aug. 24, 1949. O. G. May 31. Class 46.

Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 257,336, June 4, 1929. Republished May 31. Class 46.

Columbus McKinnon Chain Corporation, The, Tonawanda, N. Y. Tire-chains. 442,772, May 31; Serial No. 510,424, published Feb. 8, 1949. Class 13.

Comey, R. H., Companies Consolidated, to R. H. Comey Company, Inc., Brooklyn, N. Y. Panama hats and vegetable-fibre hats for men. 246,168, renewed Sept. 4, 1948. O. G. May 31. Class 39.

Comey, R. H., Companies Consolidated, to R. H. Comey Company, Inc., Brooklyn, N. Y. Dyed and bleached hats and hat bodies. 246,334, renewed Sept. 4, 1948. O. G. May 31. Class 39.

Comey, R. H., Company, Inc.: *See*—
Comey, R. H., Companies Consolidated.

Commander-Larabee Milling Company: *See*—
Larabee Flour Mills Company, The.
Minneapolis Milling Company.
Stokes, W. H., Milling Co.

Condenser Corporation of America, South Plainfield, N. J. Electrostatic condensers. 322,066, Feb. 28, 1935. Republished May 31. Class 21.

Consolidated Millinery Company, Chicago, Ill. Ladies' and children's hats. 439,752, July 20, 1948. Republished May 31. Class 39.

Consolidated Paper Corporation Limited, Montreal, Quebec, Canada. Wood pulp. 442,816, May 31; Serial No. 524,524, published Feb. 15, 1949. Class 1.

Consolidated Royal Chemical Corporation, Chicago, Ill. Medicines. 510,380, May 31; Serial No. 544,977, published Feb. 22, 1949. Class 6.

Continental Baking Company, Wilmington, Del., and New York, N. Y. Cake. 247,986, Oct. 9, 1928. Republished May 31. Class 46.

Cook Chemical Company, Kansas City, Mo. Weed killer and insecticide. 442,767, May 31; Serial No. 509,973, published Feb. 8, 1949. Class 6.

Copper Range Company, doing business under the name and style of C. G. Hussey & Company, Painesdale, Mich. Copper sheet, copper in rolls, copper wire, etc. 505,755, Jan. 18, 1949. Corrected. O. G. May 31. Class 14.

Coppus Engineering Corporation, Worcester, Mass. Gas burners, oil burners, and combination gas and oil burners. 510,238, May 31; Serial No. 531,578, published Jan. 18, 1949. Class 34.

Corah, N., & Sons Limited, Leicester, England. Hosiery, undershirts, pants, etc. 246,387, Sept. 4, 1928. Republished May 31. Class 39.

Corn Products Refining Company, New York, N. Y. Corn starch for laundry purposes. 442,768, May 31; Serial No. 509,975, published Feb. 15, 1949. Class 6.

Corn, W. M.: *See*—
Standlee & Bryant.

Coro, Inc., New York, N. Y. Necklaces, bracelets, finger rings, earrings, etc. 442,758, May 31; Serial No. 494,033, published July 2, 1946. Class 28.

Cory Corporation, Chicago, Ill. Coffee making apparatus. 510,260, May 31; Serial No. 534,090, published Feb. 1, 1949. Class 13.

Coty, Inc., Wilmington, Del., and New York, N. Y., to Coty, Inc., New York, N. Y. Preparation in liquid form used for embellishing and improving the appearance of the skin. 259,706, renewed Aug. 6, 1949. O. G. May 31. Class 6.

Courtenida, Limited, London, England. Staple fibre. 510,327, May 31; Serial No. 541,648, published Feb. 1, 1949. Class 1.

Crane Co., Chicago, Ill. Heating materials. 284,823, July 7, 1931. Republished May 31. Class 34.

Crane Co., Chicago, Ill. Heating materials. 293,974, May 10, 1932. Republished May 31. Class 13.

Crane Co., Chicago, Ill. Automatic water systems. 303,168, May 16, 1933. Republished May 31. Class 23.

Crawford Produce Company, Inc., San Benito, Tex. Fresh vegetables and fresh citrus fruits. 347,760, July 6, 1937. Republished May 31. Class 46.

Crescent Tool Company, Jamestown, N. Y. Hand tools. 283,646, June 2, 1931. Republished May 31. Class 23.

Crescent Tool Company, Jamestown, N. Y. Wrenches and parts, pliers, snips, etc. 299,305, Nov. 29, 1932. Republished May 31. Class 23.

Cross & Lingen, Milwaukee, Wis. Heat controlling apparatus. 510,461, May 31; Serial No. 517,407. Class 34.

Daniel's Knitting Mills, Inc., Brooklyn, N. Y. Boys' and girls' sweaters, knitted blouses and jackets. 510,465, May 31; Serial No. 536,053. Class 39.

Daumit, Kay, Inc., assignor to Kathryn, Inc., Chicago, Ill. Perfume, cologne, lipstick, face powder, etc. 442,760, May 31; Serial No. 508,420, published Jan. 6, 1948. Class 6.

Davis-Cleaver Produce Company, Quincy, Ill. Butter. 186,519, Aug. 26, 1924. Republished May 31. Class 46.

Davis-Cleaver Produce Company, Quincy, Ill. Dressed poultry. 232,842, Sept. 20, 1927. Republished May 31. Class 46.

Davis, Latta O., Noblesville, Ind. Combination screen and ventilator storm sash. 510,453, May 31; Serial No. 541,651, published Feb. 8, 1949. Class 12.

Davison Chemical Corporation, The, Baltimore, Md. Magnesia-silica gel catalyst. 510,227, May 31; Serial No. 529,969, published Jan. 18, 1949. Class 6.

Davison Chemical Corporation, The, Baltimore, Md. Gel catalyst in spheroidal form. 510,228, May 31; Serial No. 529,970, published Jan. 18, 1949. Class 6.

Dear Publication & Radio, Inc., Jersey City, N. J. Periodical news column. 439,223, June 8, 1948. Republished May 31. Class 38.

De Boom Paint Co., San Francisco, Calif. Paints, varnishes, enamels, etc. 510,301, May 31; Serial No. 540,044, published Jan. 25, 1949. Class 16.

De Boom Paint Co., San Francisco, Calif. Automotive synthetic paint and baking enamels, undercoaters, reducers, etc. 510,302, May 31; Serial No. 540,048, published Jan. 25, 1949. Class 16.

Defender Mfg. Company, Inc., New York, N. Y. Sheets and pillowcases. 235,989, May 7, 1929. Republished May 31. Class 42.

Defiance Dairy Products Company, The, to Defiance Milk Products Cumpany, Defiance, Ohio. Evaporated milk. 258,351, renewed July 2, 1949. O. G. May 31. Class 46.

Defiance Milk Products Company: *See*—
Defiance Dairy Products Company, The.

De Luxe Products Corporation, La Porte, Ind. Oil filters. 510,215, May 31; Serial No. 528,776, published Jan. 11, 1949. Class 31.

De Luze, A., & Fils, to Maison A. De Luze et Fils, Société à Responsabilité Limitée, Bordeaux, France. Wines. 54,082, re-renewed June 19, 1946. O. G. May 31. Class 47.

Desert Wonder Products Company: *See*—
Higginbotbam, E. D.

Dick, A. B., Company, Chicago, Ill. Duplicating ink and ink pads. 510,442, May 31; Serial No. 559,661, published Feb. 15, 1949. Class 11.

Diebert Bros. & Snyder, Biola and Fresno, by Diebert Packing Company, Biola, Calif. Raisins. 349,861, Aug. 31, 1937. Republished May 31. Class 46.

Diebert Packing Company: *See*—
Diebert Bros. & Snyder.

Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saws. 75,860, Oct. 13, 1906. Republished May 31. Class 23.

Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saw sets. 71,983, Dec. 29, 1908. Republished May 31. Class 23.

De Lisle, Nina: *See*—
Norris, Elisabeth.

Dixie Laboratories, Inc., Martinsville, Va. Topical anesthetic. 434,440, Nov. 18, 1947. Republished May 31. Class 6.

Dixon Valve & Coupling Co., Philadelphia, Pa. Hose coupling. 510,249, May 31; Serial No. 532,432, published Feb. 15, 1949. Class 13.

Double Seal Ring Company, Fort Worth, Tex. Metallic and non-metallic piston rings and rod packing. 510,182, May 31; Serial No. 515,944, published Feb. 8, 1949. Class 35.

Dow Chemical Company, The, Midland, Mich. Ion exchange resins. 510,450, May 31; Serial No. 563,245, published Feb. 22, 1949. Class 6.

Doxakis, Aeest, Houston, Tex. Medicinal preparation. 249,128, Nov. 6, 1928. Republished May 31. Class 6.

Duluth Brewing & Malting Co., by Fitger Brewing Company, Duluth, Minn. Lager-beer, ale, porter and malt extract. 42,717, May 31, 1904. Republished May 31. Class 48.

Dunbar, Ernest A., doing business as Dunbar & Nairn, by Dunbar & Nairn Limited, Glasgow, Scotland. Wool, cottnn, silk, rayon and mixtures thereof all in the piece. 410,272, Nov. 21, 1944. Republished May 31. Class 42.

Dunbar & Nairn: *See*—
Dunbar, Ernest A.

Dunbar & Nairn Limited: *See*—
Dunbar, Ernest A.

Dunham, C. A., Company, Chicago, Ill. Steam heating apparatus. 510,210, May 31; Serial No. 328,264, published Feb. 1, 1949. Class 34.

Duplan Corporation, The: *See*—
Duplan Silk Corporation.

Duplan Silk Corporation, to The Duplan Corporation, New York, N. Y. Yarns. 256,448, renewed May 14, 1949. O. G. May 31. Class 43.

Durant, Albert A., Honolulu, Territory of Hawaii. Thermally insulated metal pipe. 510,189, May 31; Serial No. 520,688, published Feb. 1, 1949. Class 13.

Dzus Fastener Co., Inc., West Islip, N. Y. Quick-acting, self-locking fasteners and fastener parts and accessories. 510,208, May 31; Serial No. 528,197, published Feb. 15, 1949. Class 13.

Eagle Lock Company, The, Terryville, Conn., and Chicago, Ill. Cabinet locks, night latches, etc. 430,722, June 24, 1947. Republished May 31. Class 25.

Earnhardt, Adrienne R.: *See*—
Bowles, Frances P., trustee.

Eastern States Farmers' Exchange, West Springfield, Mass. Cleansing compound, abrasive files and stones. 510,406, May 31; Serial No. 551,258, published Jan. 11, 1949. Class 4.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic wetting agent. 442,760, May 31; Serial No. 497,470, published Feb. 15, 1949. Class 6.

Eaton Manufacturing Company, Cleveland, Ohio. Lock washers. 510,473, May 31; Serial No. 551,877. Class 13.

Eaton Manufacturing Company, Cleveland, Ohio. Lock washers. 510,474, May 31; Serial No. 551,879. Class 13.

Eberle Tanning Company, Westfield, Pa. Sole leather. 510,361–3, May 31; Serial Nos. 546,831–3, published Feb. 8, 1949. Class 1.

Eberle Tanning Company, Westfield, Pa. Sole leather. 510,364, May 31; Serial No. 546,835, published Feb. 8, 1949. Class 1.

Eberle Tanning Company, Westfield, Pa. Sole leather. 510,365, May 31; Serial No. 546,837, published Feb. 8, 1949. Class 1.

Economics Laboratory, Inc., St. Paul, Minn. Water soluble glass, or waterglass used as detergents. 442,804, May 31; Serial No. 522,563, published Feb. 1, 1949. Class 4.

Economics Laboratory, Inc., St. Paul, Minn. Germicide. 442,805, May 31; Serial No. 522,564, published Sept. 9, 1947. Class 6.

Economics Laboratory, Inc., St. Paul, Minn. Dishwashing compound. 510,293, May 31; Serial No. 538,384, published Jan. 18, 1949. Class 4.

Edy, Joseph O., Oakland, Calif. Candles, ice cream. 302,801, Apr. 25, 1933. Republished May 31. Class 46.

Electric Boat Company: *See*—
Electric Launch Company, The.

Electric Launch Company, The, to Electric Boat Company, Bayonne, N. J. Motor boats. 74,278, re-renewed June 29, 1949. O. G. May 31. Class 19.

Eloesser Heynemann Co., San Francisco, Calif. Overalls, jumpers, blousee, etc. 74,923, Aug. 17, 1909. Republished May 31. Class 39.

Eloesser-Heynemann Co., San Francisco, Calif. Overalls. 88,743, Oct. 22, 1912. Republished May 31. Class 39.

Eloesser Heynemann Co., San Francisco, Calif. Overalls, and work-clothes. 124,832, Mar. 18, 1919. Republished May 31. Class 39.

Eloesser-Heynemann Co., San Francisco, Calif. Trousers. 182,949, Apr. 22, 1924. Republished May 31. Class 39.

Enduro-Plastic Co.: *See*—
Tropiano, Anthony.

Englander Company, Inc., The: *See*—
Superior Felt & Bedding Company.

Envostat Distributors, Cincinnati, Ohio. Combination envelope and statement form. 437,057, Mar. 2, 1948. Republished May 31. Class 37.

Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. 510,388, May 31; Serial No. 548,610, published Feb. 1, 1949. Class 22.

F & F Laboratories, Inc., Chicago, Ill. Hard candy drops. 421,962, June 25, 1946. Republished May 31. Class 46.

F & F Laboratories, Inc., Chicago, Ill. Hard candy drops. 428,124, Mar. 11, 1947. Republished May 31. Class 46.

Fabcrete Corporation, Richmond, Va. Building units. 439,100, June 1, 1948. Republished May 31. Class 12.

Fairy Dyes Ltd, Glasgow, Scotland. Shaving cream. 442,794. May 31; Serial No. 520,502, published Jan. 25, 1949. Class 4.

Farmer Seed & Nursery Co., Faribault, Minn. Field, garden, and flower seeds. 260,442, renewed Aug. 27, 1949. O. G. May 31. Class 1.

Feeser Macaroni Company, by Megs Macaroni Company, Harrisburg, Pa. Alimentary pastes. 236,914, Dec. 27, 1927. Republished May 31. Class 46.

Feeser Macaroni Company, by Megs Macaroni Company, Harrisburg, Pa. Alimentary pastes. 236,961, Dec. 27, 1927. Republished May 31. Class 46.

Fitger Brewing Company: *See*—
Duluth Brewing & Malting Co.
Fitger Company, The.

Fitger Brewing Company, Duluth, Minn. Beer. 437,231, Mar. 9, 1948. Republished May 31. Class 48.

Fitger Company, The, by Fitger Brewing Company, Duluth, Minn. Non-alcoholic, maltless beverages. 200,052, June 23, 1925. Republished May 31. Class 46.

Fitger Company, The, by Fitger Brewing Company, Duluth, Minn. Non-alcoholic, maltless beverages. 228,870, June 14, 1927. Republished May 31. Class 45.

Fitger Company, The, by Fitger Brewing Company, Duluth, Minn. Non-alcoholic, maltless beverages. 274,446, Aug. 26, 1930. Republished May 31. Class 45.

Fitger Company, The, by Fitger Brewing Company, Duluth, Minn. Malt beverages. 307,557, Oct. 31, 1933. Republished May 31. Class 48.

Fitger Company, The, now by change of name Fitger Brewing Company, by Fitger Brewing Company, Duluth, Minn. Malt beverages. 500,191, Jan. 2, 1934. Republished May 31. Class 48.

Florian, Inc., Des Moines, Iowa, by The Armand Company, assignor to The Procter & Gamble Company, Cincinnati, Ohio. After-shaving lotion. 269,326, Apr. 1, 1930. Republished May 31. Class 6.

Florida Citrus Exchange, Tampa, Fla. Citrus fruits. 106,590, Oct. 26, 1915. Republished May 31. Class 46.

Floridin Company, Warren, Pa. Fuller's earth. 510,366, May 31; Serial No. 546,844, published Feb. 8, 1949. Class 1.

Folmer Graflex Corporation, The, to Graflex, Inc., Rochester, N. Y. Photographic cameras, photographic plate and film magazines, etc. 260,604, renewed Aug. 27, 1949. O. G. May 31. Class 26.

Folsom, H. & D., Arms Co. Inc., The, New York, N. Y. Fishing lines. 510,385, May 31; Serial No. 548,652, published Feb. 1, 1949. Class 22.

Forest City Publishing Company, The, Cleveland, Ohio. Newspaper. 419,335, Feb. 12, 1946. Republished May 31. Class 38.

Formica Company, The: *See*—
Formica Insulation Company, The.

Formica Insulation Company, The, Cincinnati, Ohio, now by change of name The Formica Company. Laminated impregnated wood. 510,236, May 31; Serial No. 531,323, published Jan. 18, 1949. Class 12.

Formulette Company, Inc., New York, N. Y. Baby kits. 442,783, May 31; Serial No. 517,631, published Feb. 8, 1949. Class 50.

Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 253,076, renewed Feb. 19, 1949. O. G. May 31. Class 42.

Forstmann Woolen Co.: *See*—
Forstmann & Huffmann Company.

Forstner Chain Corporation: *See*—
General Plate Company.

Forstner Chain Corporation, Irvington, N. J. Chains for personal adornment. 144,768, July 19, 1921. Republished May 31. Class 28.

Forstner Chain Corporation, Irvington, N. J. Chains for personal adornment. 170,715, July 24, 1923. Republished May 31. Class 28.

Forstner Chain Corporation, Irvington, N. J. Watches, clocks, and parts thereof. 270,508, May 6, 1930. Republished May 31. Class 27.

Forstner Chain Corporation, Irvington, N. J. Wrist watch bracelets, watch chains, cuff links, etc. 356,133, Apr. 12, 1938. Republished May 31. Class 28.

Forstner Chain Corporation, Irvington, N. J. Watches and watch cases. 359,291, Aug. 9, 1938. Republished May 31. Class 27.

Forstner Chain Corporation, Irvington, N. J. Wrist watch bracelets, watch chains, cuff links, etc. 398,027, Oct. 6, 1942. Republished May 31. Class 28.

Foster, Charles, & Co., assignor to Charles Foster & Co., Inc., New York, N. Y. Optical goods. 510,201, May 31; Serial No. 524,968, published Feb. 15, 1949. Class 26.

Foster, Charles, & Co., Inc.: *See*—
Foster, Charles, & Co.

Fougerat, Jean, Levallois-Perret, France, to International Affiliated Corporation, New York, N. Y. Syrup against coughs, bronchitis, asthma, etc. 32,888, renewed May 16, 1949. O. G. May 31. Class 6.

Fox, M. Ewing, Co., Inc., New York, N. Y. Decorative wall finish or calcimine in the nature of a paint. 510,232, May 31; Serial No. 530,302, published Jan. 11, 1949. Class 16.

Foy Paint Company, The, by The Foy Paint Company, Inc., Cincinnati, Ohio. Ready-mixed paints, stains, enamels, etc. 256,526, May 21, 1929. Republished May 31. Class 16.

Foy Paint Company, Inc., The: *See*—
Foy Paint Company, The.

Frabill Manufacturing Company, Milwaukee, Wis. Fishing bobs. 510,332, May 31; Serial No. 542,305, published Feb. 1, 1949. Class 22.

Frank, S. H., & Company: *See*—
Frank, S. H., & Co.

Frank, S. H., & Co., to S. H. Frank & Company, San Francisco, Calif. Heavy tanned leathers. 60,760, re-renewed Feb. 19, 1947. O. G. May 31. Class 1.

Franklin Sugar Refining Company, The, Philadelphia, Pa., to The American Sugar Refining Company, New York, N. Y. Sugar and syrups. 73,797, re-renewed May 18, 1949. O. G. May 31. Class 46.

French Veneer Manufacturing Co. Inc., Los Angeles, Calif. Silver and metal polishes. 442,776, May 31; Serial No. 514,413, published Jan. 18, 1949. Class 4.

French Lick Springs Hotel Co., by Pluto Corporation, French Lick, Ind. Mineral waters. 47,748–50, Nov. 21, 1905. Republished May 31. Class 6.

French Lick Springs Hotel Co., by Pluto Corporation, French Lick, Ind. Mineral waters. 47,879, Nov. 28, 1905. Republished May 31. Class 6.

Fulmer & Gibbons, by Fulmer & Gibbons, Inc., Philadelphia, Pa. Bracelets, brooches, bar pins, etc. 260,844, Dec. 18, 1928. Republished May 31. Class 28.

Fulmer & Gibbons, Inc.: *See*—
Fulmer & Gibbons.

Fulton Specialty Co., Elisabeth, N. J. Stamp pads and rubber stamp ink. 510,253, May 31; Serial No. 533,299, published Feb. 8, 1949. Class 11.

Garcia & Maggini Co., San Francisco, Fresno, Watsonville, Sebastopol, Santa Rosa, Forestville, and Healdsburg, Calif., by A. Asher, doing business as Albert Asher Company, San Francisco, Calif. Canned, fresh, and dried fruits. 142,542, May 17, 1921. Republished May 31. Class 46.

Geigy Company, Inc., New York, N. Y. Medical preparation. 442,807, May 31; Serial No. 522,779, published Feb. 1, 1949. Class 6.

Geigy Company, Inc., New York, N. Y. Dyestuffs. 510,262, May 31; Serial No. 533,159, published Feb. 22, 1949. Class 6.

General Abrasive Company, Inc., Niagara Falls, N. Y. Calcined alumina material. 510,426, May 31; Serial No. 554,893, published Jan. 18, 1949. Class 4.

General Gummed Products, Inc., Richmond Hill, N. Y. Gummed paper tape and gummed cloth tape. 510,431, May 31; Serial No. 555,498, published Feb. 15, 1949. Class 5.

General Mills, Inc., assignee: *See*—
Washburn Crosby Company.

General Plate Company, Attleboro, Mass., by Forstner Chain Corporation, Irvington, N. J. Ferrous and non-ferrous alloys. 193,651, Jan. 6, 1925. Republished May 31. Class 14.

General Register Corporation: *See*—
Automatic Ticket Register Corporation.

Gilles, J. L., Company, Dowagaic, Mich. Hot water heaters and furnaces. 439,300, June 15, 1948. Republished May 31. Class 34.

Gimbel Brothers, Inc., New York, N. Y. Women's trimmed and untrimmed hats. 253,787, renewed Mar. 5, 1949. O. G. May 31. Class 39.

Glama-Jama, Inc., New York, N. Y. Pajamas. 442,801, May 31; Serial No. 521,574, published June 15, 1948. Class 39.

Glidden Company, The, Cleveland, Ohio. Ready-mixed paints and enamels. 259,361, renewed July 30, 1949. O. G. May 31. Class 16.

Glidden Company, The, Cleveland, Ohio. Flotation oils, pine oils, and pine tar oil. 510,439, May 31; Serial No. 558,135, published Feb. 22, 1949. Class 6.

Glover, H. Clay, Co., Inc., New York, N. Y., and elsewhere in the United States. Lotion. 510,456, May 31; Serial No. 560,801. Class 6.

Godchaux, Leon, Clothing Company, Ltd., The, New Orleans, La. Nylon hosiery. 510,455, May 31; Serial No. 495,676. Class 39.

Goldbrooke Modes Inc.: *See*—
Greenbolts, Benjamin.

Golfing Publications, Inc., Chicago, Ill. Magazine. 510,466, May 31; Serial No. 537,770. Class 38.

Goodall-Sanford, Inc.: *See*—
Chase, L. C., & Company.

Goodman, N., & Son, New York, N. Y., by C. Papas Company, Inc., Boston, Mass. Pure salad oil. 215,760, July 27, 1926. Republished May 31. Class 46.

Goodyear Footwear Corporation: *See*—
Phillips-Baker Rubber Co.

Gossard, H. W., The, Chicago, Ill., now by change of name Associated Apparel Industries, Inc., to Lemonde Corset Company, Saginaw, Mich. Corsets, brassières, combined corsets and brassières, etc. 253,883, renewed Mar. 5, 1949. O. G. May 31. Class 39.

Guttesman & Company, Incorporated, New York, N. Y. Wood pulp. 510,377, May 31; Serial No. 547,849, published Feb. 8, 1949. Class 1.

Graflex, Inc.: *See*—
Folmer Graflex Corporation, The.

Graham Paper Company, St. Louis, Mo. Carpet felt. 258,500, renewed July 9, 1949. O. G. May 31. Class 50.

Grant, J. E., doing business as Grant's Hygienic Food Products Company, to Y. Y. Grant, Berkeley, Calif. Crackers, hygienic crackers, breakfast food, etc. 247,703, renewed Oct. 2, 1948. O. G. May 31. Class 46.

Grant, Vivian V.: *See*—
Grant, J. E.

Grant's Hygienic Food Products Company: *See*—
Grant, J. E.

Graton & Knight Company: *See*—
Buchbeimer Company, The.

Gray and Gray Venice, Calif. Dill pickles, black pepper, French dressing, etc. 425,237, Nov. 12, 1946. Republished May 31. Class 46.

Graziadei, Leonardo, by Yankee Polish Co. Inc., New York, N. Y. Leather dressing and polishes. 72,713, Feb. 16, 1909. Republished May 31. Class 4.

Green, A. P., Fire Brick Company, Mexico, Mo. Fire brick. 510,415, May 31; Serial No. 553,277, published Feb. 1, 1949. Class 12.

Greenebaum, J., Tanning Co., Chicago, Ill. Leather for shoe soles. 510,216, May 31; Serial No. 529,054, published Feb. 1, 1949. Class 1.

Greenholts, Benjamin, by Goldbrooke Modes Inc., New York, N. Y. Women's coats. 391,240, Oct. 28, 1941. Republished May 31. Class 39.

Griffin Chemical Company, San Francisco, Calif. Emulsifiers. 510,242, May 31; Serial No. 531,791, published Feb. 1, 1949. Class 6.

Great, H. S., & Company, by Jensen-McLean Company, Inc., Seattle, Wash. Canned fruits, canned fish, canned berries, etc. 238,208, Jan. 31, 1928. Republished May 31. Class 46.

Grundy, Eva H., Seattle, Wash. Games. 442,781, May 31; Serial No. 516,978, published Jan. 11, 1949. Class 22.

Gulf & West Indies Co., Inc., New York, N. Y. Sponges. 510,379, May 31; Serial No. 547,991, published Feb. 22, 1949. Class 1.

H. M. H. Co., The, Pawtucket, R. I. Religious articles of jewelry. 510,247, May 31; Serial No. 532,221, published Feb. 22, 1949. Class 28.

Hall Hardware Company, Minneapolis, Minn. Dry paste, and ready-mixed paints and varnishes. 305,819, Aug. 22, 1933. Republished May 31. Class 16.

Hancock Paint & Varnish Company, Atlantic, to Hancock Paint & Varnish Company, North Quincy, Mass. Paints and varnishes. 258,549, renewed July 9, 1949. O. G. May 31. Class 16.

Hanes Hosiery, Incorporated, New York, N. Y., Hosiery. 510,467, May 31; Serial No. 538,004. Class 39.

Hanson-Van Winkle-Munning Company, Matawan, N. J. Electroplating apparatus and parts thereof. 256,325, renewed July 2, 1949. O. G. May 31. Class 21.

Harwid Company, The, Boston, Mass. Synthetic resinous plastic composition. 510,222, May 31; Serial No. 529,461, published Feb. 1, 1949. Class 1.

Hat Corporation of America: *See*—
Berg, P., & Company, Incorporated.
Knox Hat Company, Inc.

Hauck Mfg. Co., Inc., Portland, Oreg. Mouse traps. 510,245, May 31; Serial No. 533,023, published Feb. 22, 1949. Class 50.

Hearst Consolidated Publication, Inc.: *See*—
New York Evening Journal, Inc.

Hearst Corporation, The: *See*—
King Features Syndicate, Inc.

Heating Journals, Inc., by Heating Publishers, Inc., New York, N. Y. Publication. 254,280, Mar. 19, 1929. Republished May 31. Class 38.

Heating Publishers, Inc.: *See*—
Heating Journals, Inc.

Heller, Herman, New York, N. Y. Men's shorts. 510,338, May 31; Serial No. 542,994, published Jan. 18. Class 39.

Hemphill, Edward C., doing business as Carnan Company, San Francisco, Calif. Head warmers. 510,180, May 31; Serial No. 514,473, published Jan. 18, 1949. Class 39.

Henrietta Shoppe, Inc.: *See*—
Marshall Field & Company.

Henson, Jno. W., & Sons, Greenville, Tex. Men's handkerchiefs. 442 759, May 31; Serial No. 494,675, published Jan. 18, 1949. Class 39.

Hewitt Soap Company, Inc., The, Dayton, Ohio. Sudsing cleaner, cleanser, and detergent. 510,207, May 31; Serial No. 528,042, published Jan. 18 1949. Class 4.

Heyden Chemical Corporation: *See*—
Heyden Chemical Works, The.

Heyden Chemical Works, The, to Heyden Chemical Corporation, New York, N. Y. Artificial sweeteners, guaiacol carbonates, creosote carbonates, etc. 72,247, renewed Jan. 12, 1949. O. G. May 31. Class 6.

Hibben, Hollweg & Company to Hibben Hollweg & Company, Indianapolis, Ind. Woven and printed cotton, linen, worsted, and silk fabrics. 74,770, re-renewed Aug. 10, 1949. O. G. May 31. Class 42.

Hidden Gold Canning Company: *See*—
Bradley, W. F.

Higginbotham Bailey Company: *See*—
Higginbotham-Bailey-Logan Company.

Higginbotham-Bailey-Logan Company, Dallas, Tex., and New York, N. Y., by Higginbotham Bailey Company, Dallas, Tex. Boys' dress shirts, work shirts, negligee shirts, etc. 251,028, Dec. 25, 1928. Republished May 31. Class 39.

Higginbotham, E. D., doing business as Desert Wonder Products Company Mentone, Calif. Cough syrup, nasal drops, rectal suppositories, etc. 510,268, May 31; Serial No. 534,532, published July 13, 1948. Class 6.

Higgins Industries, Inc., assignor to Higgins Resources, Inc., New Orleans, La. Mixture of Portland cement and other materials. 510,168, May 31; Serial No. 500,657, published Jan. 18, 1949. Class 12.

Higgins Resources, Inc.: *See*—
Higgins Industries, Inc.

Hillman's, Inc.: *See*—
Tebbetts and Garland Store, The.

Hines, Edward, Lumber Co., Chicago, Ill. Ponderosa pine lumber. 510,320, May 31; Serial No. 541,140, published Dec. 28, 1948. Class 12.

Hoberg Paper and Fibre Company, by Hoberg Paper Mills, Inc., Green Bay, Wis. Toilet paper, paper towels, and paper napkins. 246,877, Sept. 18, 1928. Republished May 31. Class 37.

Hoberg Paper Mills, Inc.: *See*—
Hoberg Paper and Fibre Company.

Hollywoode Knitting Mills: *See*—
California Knitting Mills.

Hollywoode Sportswear Co.: *See*—
California Knitting Mills.

Home Decorators, Inc., Newark, N. Y. Sterling silver flat tableware. 439,630, July 6, 1948. Republished May 31. Class 28.

Homan-Crane Corporation: *See*—
Homan-Crane, Inc.

Homan-Crane, Inc., by Homan-Crane Corporation, Lebanon, Ind. Diatomaceous earth. 377,413, May 7, 1940. Republished May 31. Class 31.

Hopple, P., doing business as Mill Associates, by Mill Associates Corp., New York, N. Y. Bedspreads, bathmats, blankets, and printed percale piece goods. 420,821, May 7, 1946. Republished May 31. Class 42.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 510,282, May 31; Serial No. 536,606, published Feb. 8, 1949. Class 6.

Houdaille-Hershey Corporation: *See*—
Houde Engineering Corporation.

Houde Engineering Corporation, Buffalo, N. Y., by Houdaille-Hershey Corporation, Detroit, Mich. Automobile accessories. 248,512–13, Oct. 23, 1928. Republished May 31. Class 19.

House of Rothchild, Inc., The, New York, N. Y. Women's wearing apparel. 442,820, May 31; Serial No. 484,584. Class 39.

Howe-Lewis, Inc., Los Angeles, Calif. Facial and hand creams, skin lotion, etc. 510,373, May 31; Serial No. 547,454, published Jan. 18, 1949. Class 6.

Hubbard Milling Company, Mankato, Minn. Stock feed. 254,717, renewed Mar. 26, 1949. O. G. May 31. Class 46.

Huggenberger, Arnold U., Zurich, Switzerland. Strain gages and electro-mechanical measuring apparatus. 510,194–5, May 31; Serial Nos. 521,976–7, published Feb. 15, 1949. Class 26.

Hunt, Helm, Ferris & Co., by Starline Inc., Harvard, Ill. Track for garage and barn doors. 183,840, May 6, 1924. Republished May 31. Class 13.

Hussey, C. G., & Company: *See*—
Copper Range Company.

Hynd, A. C., Corp. Tipp City, Ohio. Lotion for the hair. 510,223–4, May 31; Serial Nos. 529,649–50, published Feb. 1, 1949. Class 6.

Hysan Products Company: *See*—
Brownstein, Henry J.

Hysan Products Company, Chicago, Ill. Chemical cleaning fluid. 510,448, May 31; Serial No. 562,061, published Feb. 1, 1949. Class 4.

Ideal Cement Company, Denver, Colo. Gypsum plaster. 510,344, May 31; Serial No. 544,167, published Feb. 1, 1949. Class 12.

Imperial Belting Company, Chicago, Ill. Power transmission, conveying, and elevating belting. 510,331, May 31; Serial No. 542,025, published Feb. 15, 1949. Class 35.

Inclinator Company of America, Harrisburg, Pa. Elevators and parts of elevators. 262,949, Oct. 29, 1929. Republished May 31. Class 23.

Independent Silo Company, St. Paul, Minn. Caulking of various mixtures and consistencies. 442,753, May 31; Serial No. 462,097, published June 8, 1948. Class 12.

Industrial Lacquer and Chemical Corporation, Newark, N. J. Plastic materials adapted to be blown into hollow bodies and used for amusement or toy purposes. 510,323, May 31; Serial No. 541,299, published Jan. 18, 1949. Class 22.

Industrial Supply Company, Inc., Salt Lake City, Utah. Portable hand fire extinguishers, saws, knives, etc. 268,302, Mar. 11, 1930. Republished May 31. Class 23.

Industrial Tape Corporation New Brunswick, N. J. Normally tacky and pressure-sensitive adhesive tapes. 510,163, May 31; Serial No. 493,124, published Feb. 8, 1949. Class 5.

Interior Flour Mills Company, The: *See*—
Larabee Flour Mills Company, The.

International Affiliated Corporation: *See*—
Fougerat, Jean.

International Derbola Corporation: *See*—
Newport Rolling Mill Co.
Newport Rolling Mill Company, The.

International Paint Company, Inc., New York, N. Y. Ready mixed paints, dry paints, pasta paints, etc. 316,965, Sept. 11, 1934. Republished May 31. Class 16.

International Rustproof Corporation, Cleveland Ohio. Detergent in liquid form. 510,303, May 31; Serial No. 540,074, published Feb. 8, 1949. Class 4.

International Silver Company, The, Meriden, Conn. Silver plated hollow-ware. 510,340, May 31; Serial No. 543,455, published Feb. 22, 1949. Class 28.

International Silver Company, The, Meriden, Conn. Silverplated hollow-ware. 510,342, May 31; Serial No. 543 931, published Feb. 22, 1949. Class 28.

Inter-State Grove Properties, Inc., by Inter-State Investment Company, Tampa, Fla. Fresh citrus fruits. 375,114, Feb. 6, 1940. Republished May 31. Class 46.

Inter-State Investment Company: *See*—
Inter-State Grove Properties, Inc.

Intervina & Co., Inc., Weehawken, N. J. Preparation for the treatment of dermatophytosis, eczema, simple ringworm, etc. 442,777, May 31; Serial No. 514,606, published Feb. 1, 1949. Class 6.

Ives H. B., Company, The, New Haven, Conn. Casement window adjusters, window catches, hand rail brackets, etc. 510,229, May 31; Serial No. 530,004, published Feb. 1, 1949. Class 13.

Jackes-Evans Manufacturing Company, St. Louis, Mo. Stove pipe connector. 510,203, May 31; Serial No. 527,701, published Feb. 1, 1949. Class 34.

Jacquemoux, Auguste F., Miami, to Miami Fruit Industries, Inc. Hialeah, Fla. Confections. 253,743, retries, renewed Mar. 5, 1949. O. G. May 31. Class 46.

Jaques Manufacturing Company, Chicago, Ill. Metal caps and metal lids. 442,169–70, Mar. 1, 1949. Corrected. O. G. May 31. Class 50.

Jadow, B., Inc., New York, N. Y. Jewelers' and watchmakers' tweezers, pliers, screwdrivers, etc. 439,393, June 22, 1948. Republished May 31.

Jamestown Lounge Company, Jamestown, N. Y. Living-room dining-room, bedroom, and office furniture. 262,926, May 5, 1931. Republished May 31. Class 32.

Jel Sert Company, The: *See*—
Wegner, Charles T., Jr.

Jel Sert Company, The, Chicago, Ill. Maltless powder for making non-alcoholic soft drinks. 300,762, Feb. 7, 1933. Republished May 31. Class 45.

Jel Sert Company, The, Chicago, Ill. Ice cream powder. 327,378, Aug. 27, 1935. Republished May 31. Class 46.

Jensen-McLean Company, Inc.: *See*—
Groat, H. S., & Company.

Jimenez, Antonio L., Almeria, Spain. Soap. 510,388, May 31; Serial No. 542,320, published Feb. 1, 1949. Class 4.

Johns-Manville Corporation, New York, N. Y. Rod and valve-stem packing. 510,356, May 31; Serial No. 546,224, published Feb. 15, 1949. Class 35.

Johnson, Charles J., doing business as Johnson Manufacturing Company, Chicago, Ill., by Johnson Manufacturing Co., Inc., Mt. Vernon, Iowa. Soldering fluid. 230,731, Aug. 2, 1927. Republished May 31. Class 6.

Johnson Manufacturing Company: *See*—
Johnson, Charles J.

Johnson Manufacturing Co., Inc.: *See*—
Johnson, Charles J.

Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Lightweight metallic structural shapes and joist hangers. 510,211, May 31; Serial No. 528,479, published Feb. 8, 1949. Class 12.

Jonsesons, L. A., Skidfabriks A. B., Ostersund, Sweden. Skis, ski-poles, ski-bindings, etc. 442,775, May 31; Serial No. 513,290, published Jan. 11, 1949. Class 22.

Juilliard, A. D., & Co., Inc.: *See*—
New York Mills Corporation.

Kalleta, Walter, New Brunswick, N. J. Liniment. 424,754, Oct. 22, 1946. Republished May 31. Class 6.

Kappa Alpha Order, The, Louisville, Ky. Cigarette cases, cigarette lighters, cuff links, etc. 510,272, May 31; Serial No. 535,243, published Feb. 22, 1949. Class 28.

Karol, J. L., Sheet Metal Co.: *See*—
Karol, Josef L.

Karol, Josef L., doing business as J. L. Karol Sheet Metal Co., Van Nuys, Calif. Air draft ventilators. 442,808, May 31; Serial No. 523,859, published Feb. 1, 1949 Class 34.

Kathryn, Inc.: *See*—
Daumit, Kay, Inc.

Kats Drug Company, also doing business as Chemtest Laboratories, Kansas City, Mo. Astringent mouthwash. 409,934, Oct. 31, 1944. Corrected. O. G. May 31. Class 6.

Kauser, Julius & Co., New York, N. Y. Ladies' silk underwear. 256,879, renewed May 28, 1949. O. G. May 31. Class 39.

Kelly-Springfield Tire Company, The: *See*—
Kelly-Springfield Tire Company.

Kelly-Springfield Tire Company, New York, N. Y., by The Kelly-Springfield Tire Company, Cumberland, Md. Automobile tires. 291,996, Mar. 1, 1932. Republished May 31. Class 35.

Keuffel & Esser Company, Hoboken, N. J. Chemicals. 510,425, May 31; Serial No. 554,797, published Feb. 15, 1949. Class 6.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Newspaper section. 354,746, Feb. 4, 1941. Republished May 31. Class 38.

King, John P., Manufacturing Co., The, Augusta, Ga. Sheets and pillow cases. 308,796, Dec. 19, 1933. Republished May 31. Class 42.

King, John P., Manufacturing Co., The, Augusta, Ga. Sheets and pillow cases. 312,448, Apr. 24, 1934. Republished May 31. Class 42.

King Publications, San Francisco, Calif. Column in a periodical. 510,471–2, May 31; Serial Nos. 545,265–6. Class 38.

Kingsway, Inc., Chicago, Ill. Pieces of a chess game. 510,402, May 31; Serial No. 549,987, published Feb. 1, 1949. Class 22.

Kinnear Manufacturing Company, The, Columbus, Ohio. Rolling doors. 510,284, May 31; Serial No. 537,459, published Feb. 1, 1949. Class 12.

Kircher, C. W.: *See*—
Whitehead Bros.

Kirsch, Herzke, Inc., New York, N. Y. Furs and skins. 442,811, May 31; Serial No. 523,783, published Feb. 15, 1949. Class 1.

Kline Brothers Co., New York, N. Y. Men's, young men's, and boys' cotton and flannel work shirts, work pants, overalls, etc. 263,725, Nov. 12, 1929. Republished May 31. Class 39.

Kline Brothers Co., New York, N. Y. Cotton and linen bed sheets, sheeting, wide sheeting, etc. 270,050, Apr. 22, 1930. Republished May 31. Class 42.

Kline Brothers Co., New York, N. Y. Ladies', misses', and children's sweaters and gloves. 274,021, Sept. 9, 1930. Republished May 31. Class 39.

Kline Brothers Co., New York, N. Y. Boys', students', young men's and men's suits, overcoats, topcoats, trousers, etc. 335,801, June 16, 1936. Republished May 31. Class 39.

Knox Hat Company, Inc., New York, N. Y., to Hat Corporation of America, Norwalk, Conn. Feather hat ornaments; decorative hat pieces. 260,848–9, renewed Aug. 27,1949. O. G. May 31. Class 40.

Knox Hat Company, Inc., New York, N. Y., to Hat Corporation of America, Norwalk, Conn. Caps and hats for men, women, and children, leather gloves, etc. 260,850, renewed Aug. 27, 1949. O. G. May 31. Class 39.

Koppers Company, Inc.: *See*—
American Tar Products Company.
White Tar Company of New Jersey, Inc., The.

Koppers Company, Inc., Kearny, N. J. Scented insecticide. 442,756. May 31; Serial No. 477,934, published Dec. 11, 1945. Class 6.

Korse, Jean U., assignor to William R. Warner & Co., Inc., New York, N. Y. Medicinal preparation. 510,311, May 31; Serial No. 540,707, published Feb. 8, 1949. Class 6.

Krakaur, Eugene K., Patchogue, Long Island, N. Y. Plain adheaive paper tape. 510,243, May 31; Serial No. 531,809, published Dec. 28, 1948. Class 5.

Kreiders, W. L., Sons Mfg. Co., Inc., The, Palmyra, Pa. Infants', children's, misses', and girl's shoes. 510,460, May 31; Serial No. 515,188. Class 39.

L. K. B. Manufacturing Co., Minneapolis, Minn. Toy. 510,219, May 31; Serial No. 529,392, published Jan. 11, 1949. Class 22.

Lambda Sigma Fraternity, Philadelphia, Pa. Fraternity pin. 510,414, May 31; Serial No. 552,991, published Feb. 22, 1949. Class 28.

Lance, Inc.: *See*—
Lance Packing Company.

Lance Packing Company to Lance, Inc., Charlotte, N. C. Sandwiches. 245,283–4, renewed Aug. 7, 1948. O. G. May 31. Class 46.

Lancôme S. A., Paris, France. Creams and oils for beautifying the skin. 510,196, May 31; Serial No. 522,143, published Feb. 22, 1949. Class 6.

Lancôme S. A., Paris, France. All kinds of beauty creams and oils for beautifying the skin. 510,197, May 31; Serial No. 522,146, published Feb. 8, 1949. Class 6.

Land-O-Nod Company, The, Minneapolis, Minn. Mattresses. 510,254, May 31; Serial No. 533,447, published Feb. 15, 1949. Class 32.

Lane Bryant, Inc., New York, N. Y. Men's, women's, and children's shoes and boots. 254,387, renewed Mar. 26, 1949. O. G. May 31. Class 39.

Lang Jewelry Company, Providence, R. I. Sterling silver costume jewelry. 510,187, May 31; Serial No. 520,044, published Feb. 8, 1949. Class 28.

Lansdowne Steel & Iron Company, Morton, Pa. Metal forgings. 430,694, July 13, 1948. Republished May 31. Class 14.

Larabee Flour Mills Company, The, doing business as The Interior Flour Mills Company, Kansas City, Mo., by Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 237,753, Jan. 17, 1928. Republished May 31. Class 46.

Larabee Flour Mills Company, The, Kansas City, Mo., by Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 244,657, July 24, 1928. Republished May 31. Class 46.

La Salle Company, The: *See*—
Salesky, Harry.

La Salle Hat Company, The, by Champ Hats, Inc., Philadelphia, Pa. Men's and boys' hats and caps. 346,141, May 18, 1937. Republished May 31. Class 39.

La Salle Hat Company, The, by Champ Hats, Inc., Philadelphia, Pa. Men's and boys' hats and caps. 367,946, June 10, 1941. Republished May 31. Class 39.

La Salle Hat Company, The, by Champ Hats, Inc., Philadelphia, Pa. Men's and boys' hats and caps. 391,689, Nov. 18, 1941. Republished May 31. Class 39.

La Salle Hat Company, The, by Champ Hats, Inc., Philadelphia, Pa. Men's and boys' hats and caps. 392,124, Dec. 9, 1941. Republished May 31. Class 39.

Lawrence Cement Company of Pennsylvania, The, Siegfried, Pa., by Lawrence Portland Cement Company, New York, N. Y. Building cement. 74,139, June 22, 1909. Republished May 31. Class 12.

Lawrence Cement Company of Pennsylvania, The, Siegfried, Pa., by Lawrence Portland Cement Company, New York, N. Y. Building cement. 74,234, June 29, 1909. Republished May 31. Class 12.

Lawrence Portland Cement Company: *See*—
Lawrence Cement Company of Pennsylvania, The.

Leas & McVitty, Inc., Philadelphia, Pa. Tanned leather in the piece. 510,305, May 31; Serial No. 547,131, published Feb. 8, 1949. Class 3.

Leas & McVitty, Inc., Philadelphia, Pa. Leather. 510,306, May 31; Serial No. 548,660, published Feb. 22, 1949. Class 1.

Leatherkraft, Inc., Minneapolis, Minn. Men's and children's leather jackets of pony skin. 355,211, Mar. 8, 1938. Republished May 31. Class 39.
Le Blanc, Alma, sometimes doing business as Lanna Lee's Tiny Town Dolls, San Francisco, Calif. Dolls. 510,220, May 31; Serial No. 529,394, published Jan. 11, 1949. Class 22.
Le Blanc, Gerald J., doing business as Le Blanc Laboratories & Distributing Co., Grand Rapids, Mich. Soap. 442,769, May 31; Serial No. 509,990, published Jan. 18, 1949. Class 4.
Le Blanc Laboratories & Distributing Co.: *See*—
Le Blanc, Gerald J.
Lederer, Henry, & Bro. Inc., by Reibling-Lewis, Inc. Providence, R. I. Pyrophoric pocket cigar lighters. 234,334, Oct. 25, 1927. Republished May 31. Class 8.
Lederman, Samuel M., doing business as Lee Products, Buffalo, N. Y. Waterless hand cleaner. 510,433, May 31; Serial No. 555,682, published Jan. 25, 1949. Class 4.
Lee Products: *See*—
Lederman, Samuel M.
Lees, James, & Sons Company, Bridgeport, Pa. Yarns. 251,622, Jan. 8, 1929. Republished May 31. Class 43.
Lee's, Lenna, Tiny Town Dolls: *See*—
Le Blanc, Alma.
Lemonde Corset Company: *See*—
Gossard, H. W., The.
Lentheric Incorporated, New York, N. Y. Toilet water and talcum and sachet powders. 510,444, May 31; Serial No. 560,417, published Feb. 1, 1949. Class 6.
Lewis Knitting Company, Janesville, Wis. Athletic union suits. 225,215, Mar. 15, 1927. Republished May 31. Class 39.
Lients, E. C., Inc.: *See*—
Wilson, Caliste V.
Lincoln Laboratories, Incorporated, Decatur, Ill. Medicinal preparation. 442,773, May 31; Serial No. 511,333, published Jan. 25, 1949. Class 6.
Lincoln Laboratories, Incorporated, Decatur, Ill. Medicinal preparation. 442,774, May 31; Serial No. 511,342, published Jan. 11, 1949. Class 6.
Lindsay Company, The, St. Paul, Minn. Water softening apparatus. 510,324, May 31; Serial No. 541,311, published Feb. 8, 1949. Class 31.
Line-Mor Co.: *See*—
Miller Ann.
Link-Belt Company, Chicago, Ill. Drive chains and conveyer chains. 63,003, June 4, 1907. Republished May 31. Class 13.
Link-Belt Company, Chicago, Ill. Drive chains and conveyer chains. 63,052, June 4, 1907. Republished May 31. Class 13.
Link-Belt Company, Chicago, Ill. Drive chains, conveyer chains, and chain cables. 63,503, June 25, 1907. Republished May 31. Class 13.
Link-Belt Company, Chicago, Ill. Endless chain conveying machinery, etc. 63,609, July 2, 1907. Republished May 31. Class 23.
Link-Belt Company, Chicago, Ill. Cast-metal machinery-wheels. 107,494, Dec. 7, 1915. Republished May 31. Class 23.
Link-Belt Company, Chicago, Ill. Grease cups. 206,187, Nov. 24, 1925. Republished May 31. Class 23.
Link-Belt Company, Chicago, Ill. Chains. 220,198, Nov. 2, 1926. Republished May 31. Class 13.
Link-Belt Company, Chicago, Ill. Conveyors, trolley conveyors, conveyor systems, and parts thereof. 279,464, Jan. 13, 1931. Republished May 31. Class 23.
Link-Belt Company, Chicago, Ill. Power chains and chain links. 319,888, Dec. 11, 1934. Republished May 31. Class 13.
Link-Belt Company, Chicago, Ill. Variable speed transmissions or gears. 322,473, Mar. 5, 1935. Republished May 31. Class 23.
Link-Belt Company, Chicago, Ill. Chain and chain links. 322,474, Mar. 5, 1935. Republished May 31. Class 13.
Link-Belt Company, Chicago, Ill. Variable speed transmissions or gears. 322,475, Mar. 5, 1935. Republished May 31. Class 23.
Link-Belt Company, Chicago, Ill. Machinery, apparatus and parts thereof. 336,882, July 21, 1936. Republished May 31. Class 23.
Link-Belt Company, Chicago, Ill. Rotary horisontal drum type dryers and coolers. 420,713, Apr. 30, 1946. Republished May 31. Class 23.
Loft Candy Corporation: *See*—
Loft, Inc.
Loft, Inc., to Loft Candy Corporation, Long Island City, N. Y. Ice cream. 253,764, renewed Mar. 5, 1949. O. G. May 31. Class 46.
Long, Hamilton A., Chicago, Ill. Pocket compasses. 442,784, May 31; Serial No. 517,643, published Feb. 15, 1949. Class 26.
Loo Loo: *See*—
Moeller, Albert W.
Los Angeles Gas Appliance Company, Inc., Los Angeles, Calif. Gas-fueled water heaters. 442,793, May 31; Serial No. 520,288, published Jan. 18, 1949. Class 34.
Los Angeles Pharmacal Company: *See*—
Salazar, Lucila.
Louisiana State Rice Milling Company, Inc., New Orleans, to Louisiana State Rice Milling Company, Inc., Abbeville, La. Rice. 255,201, renewed Apr. 16, 1940. O. G. May 31. Class 46.
Lucas, John, & Company, Incorporated: *See*—
Cleveland Varnish Company, The.
Lucas, John, & Company Incorporated, by John Lucas & Company, Incorporated, Philadelphia, Pa. Varnishes, stains and finishes. 213,941, June 8, 1926. Republished May 31. Class 16.
Mable, Todd & Co., New York, N. Y., to Mable Todd & Co. Limited, London, England. Fountain-pens. 71,236, renewed Nov. 10, 1948. O. G. May 31. Class 37.
Mabie, Todd & Co., New York, N. Y., to Mable Todd & Co. Limited, London, England. Fountain-pens. 71,446, renewed Nov. 24, 1948. O. G. May 31. Class 37.
Mable Todd & Co. Limited: *See*—
Mable, Todd & Co.
MacDermid Incorporated, Waterbury, Conn. Dry alkaline cleansing preparations. 510,390, May 31; Serial No. 548,975, published Dec. 28, 1948. Class 6.
Mahiques, Mary, New York, N. Y. Face cream and hair lotion. 510,438, May 31; Serial No. 557,197, published Feb. 22, 1949. Class 6.
Maid-O'-Mist, Inc., Chicago, Ill. Automatic humidifiers, and automatic air relief valves. 510,231, May 31; Serial No. 530,228, published Jan. 18, 1949. Class 34.
Maison A. De Luze et Fils, Société à Responsabilité Limitée: *See*—
De Luze, A., & Fils.
Maison Blanche Company, New Orleans, La. Ladies' wearing apparel. 367,140, May 9, 1939. Republished May 31. Class 39.
Maison Blanche Company, New Orleans, La. Sheets, pillowcases, tablecloths, towels, etc. 367,224, May 9, 1939. Republished May 31. Class 42.
Malleable Iron Fittings Company, Branford, Conn. Pipe fittings, highway guard rail fittings, and pole hardware specialties. 510,262, May 31; Serial No. 534,298, published Feb. 8, 1949. Class 13.
Mallinckrodt Chemical Works, St. Louis, Mo. Photograph developer. 510,193, May 31; Serial No. 522,519, published Jan. 25, 1949. Class 6.
Mallinckrodt Chemical Works, St. Louis, Mo. Ammonium thiosulfate fixing bath compositions. 510,199, May 31; Serial No. 522,524, published Feb. 15, 1949. Class 6.
Maltex Company, Burlington, Vt. Breakfast cereal. 439,068, June 1, 1945. Republished May 31. Class 46.
Manchester Knitted Fashions, Inc., Manchester, N. H. Boys', men's and women's T-shirts, pajamas and sweaters, etc. 510,469, May 31; Serial No. 541,152. Class 39.
Marison Company, The, South Elgin, Ill. Metal gas cylinders. 412,909, Apr. 3, 1945. Republished May 31. Class 2.
Marshall Field & Company, Chicago, Ill., by Henrietta Shoppe, Inc., New York, N. Y. Hosiery. 77,254, Mar. 22, 1910. Republished May 31. Class 39.
Martin-Senour Company, The, Chicago, Ill. Custom mixed paints and paint enamels. 510,334, May 31; Serial No. 542,323, published Jan. 25, 1949. Class 16.
Maryon Hosiery Mill, Carrollton, Ga., assignor to Maryon Hosiery Mill, Inc. Hosiery. 442,788, May 31; Serial No. 518,844, published Jan. 11, 1949. Class 39.
Maryon Hosiery Mill, Inc.: *See*—
Maryon Hosiery Mill.
Maternal Health Products, Inc., New York, N. Y. Powder to dissolve in internal douche to facilitate conception. 261,041, renewed Sept. 3, 1949. O. G. May 31. Class 6.
Mathieson Chemical Corporation: *See*—
Mable, Todd & Co.
Matthieson Chemical Corporation: *See*—
Bray Chemical Corporation.
McClintock-Trunkey Co., The, Spokane, Wash. Canned fruits and vegetables, etc. 74,907, re-renewed Aug. 17, 1949. O. G. May 31. Class 46.
McKesson & Robbins, Incorporated, New York, N. Y. Perfumed toilet preparation for the purpose of cleansing the scalp, and hair, etc. 442,752, May 31; Serial No. 456,127, published Apr. 27, 1943. Class 6.
Mechanical Home Systems, Incorporated, Chicago, Ill. Gas fired units. 510,209, May 31; Serial No. 528,216, published Jan. 18, 1949. Class 34.
Mega Macaroni Company: *See*—
Feeser Macaroni Company.
Mendenhall, J. C., Medicine Co., Incorporated, Mount Vernon, Ind. Alternative laxative. 510,367, May 31; Serial No. 547,012, published Feb. 22, 1949. Class 6.
Mente & Co., Inc., New Orleans, La. Jute burlap bagging. 309,386, Jan. 9, 1934. Republished May 31. Class 42.
Merrit Products Company: *See*—
National Toilet Company.
Metal Textile Corporation, West Orange, N. J. Abrasive wads or pads of knitted metallic fabric. 510,341, May 31; Serial No. 543,824, published Jan. 11, 1949. Class 4.
Metals Supply Company, Inc., Salt Lake City, Utah. Plumbing and steam-fitting valves, metal pipe and pipe fittings, etc. 406,659, Apr. 18, 1944. Republished May 31. Class 13.
Mexico Refractories Company, Mexico, Mo. Firebrick. 510,329, May 31; Serial No. 541,862, published Feb. 1, 1949. Class 12.
Meyer Brothers, Paterson, N. J. Spot cleaner and all surface cleaner. 510,357, May 31; Serial No. 546,309, published Jan. 25, 1949. Class 4.
Meyer, Geo. J., Manufacturing Co., Cudahy, Wis. Machines. 345,412, Apr. 27, 1937. Republished May 31. Class 23.
Meyer, Geo. J., Manufacturing Co., Cudahy, Wis. Machines. 345,614, May 4, 1937. Republished May 31. Class 23.

Miami Fruit Industries, Inc.: *See*—
Jacquemoux, Auguste F.
Miami Products and Chemical Company, Dayton, Ohio. Cleaning preparation for general use. 442,765, May 31; Serial No. 506,686, published June 10, 1947. Class 4.
Michael, John L., Inc., Flushing, N. Y. Face powder, rouge, lipstick, etc. 510,427, May 31; Serial No. 554,905, published Feb. 1, 1949. Class 6.
Mid-States Gummed Paper Co., Chicago, Ill. Gummed tape. 510,339, May 31; Serial No. 543,367, published Feb. 8, 1949. Class 5.
Miles Laboratories, Inc., Elkhart, Ind. Anti-acid effervescent preparations. 510,330, May 31; Serial No. 541,940, published Feb. 1, 1949. Class 6.
Miley, L. J., Company, Chicago, Ill. Brake linings, clutch facings, and fan belt. 507,778, Mar. 22, 1949. Corrected. O. G. May 31. Class 35.
Mill Associates: *See*—
Hoppie, P.
Mill Associates Corp.: *See*—
Hoppie, P.
Miller, Ann, doing business as Line-No-Mor Co., New York, N. Y. Cosmetic astringent preparation. 510,432, May 31; Serial No. 555,551, published Feb. 1, 1949. Class 6.
Miller Art Company, Inc., Brooklyn, N. Y. Greeting cards. 510,464, May 31; Serial No. 533,592. Class 38.
Minneapolis Milling Company, by Commander Larabee Milling Company, Minneapolis, Minn. Wheat flour. 242,440, May 22, 1928. Republished May 31. Class 46.
Moeller, Albert W., doing business as Loo Loo, Des Moines, Iowa. Cleaner. 442,754, May 31; Serial No. 463,933, published Feb. 1, 1949. Class 4.
Moen & Patton, Inc., Lancaster, Pa. Toy golf games. 510,358, May 31; Serial No. 546,310, published Jan. 4, 1949. Class 22.
Mondeaux Millwork and Supply Company, Medford, Wis. Window sashes in weather-stripped window frames, door and window frames, etc. 510,251, May 31; Serial No. 532,622, published Dec. 28, 1948. Class 12.
Monsanto Chemical Company, St. Louis, Mo. Synthetic detergent compositions. 510,428, May 31; Serial No. 554,915, published Jan. 25, 1949. Class 4.
Monsanto Chemical Company, St. Louis, Mo. Cleaning composition. 510,449, May 31; Serial No. 563,077, published Jan. 11, 1949. Class 4.
Moore, Frank W., Redlands, Calif. Fresh citrus fruit, and citrus juices. 345,451, Apr. 27, 1937. Republished May 31. Class 46.
Morehouse Manufacturing Company, Savannah, Ga. Depilatory in powder form. 510,244, May 31; Serial No. 531,931, published July 27, 1948. Class 6.
Morrell, John, & Company: *See*—
Morrell, John, & Company, Limited.
Morrell, John, & Company, Limited, Liverpool, England, and Ottumwa, Iowa, by John Morrell & Company, Ottumwa, Iowa. Hams, breakfast-bacon, and picnics. 73,096, June 8, 1909. Republished May 31. Class 46.
Mortan Manufacturing Corporation, doing business as Blair of Virginia, Lynchburg, Va. Cosmetics. 510,171, May 31; Serial No. 504,921, published Feb. 8, 1949. Class 6.
Morton Manufacturing Corporation, doing business as Snow White Products Company, Lynchburg, Va. Toilet soap. 510,348, May 31; Serial No. 544,751, published Feb. 1, 1949. Class 4.
Moss Stores, Inc., to I. Wagnin & Co., San Francisco, Calif. Ladies' leather gloves. 332,391, Feb. 11, 1936. New certificate. O. G. May 31. Class 39.
Mountain States Rubber Company: *See*—
Oriob, Rudolph.
Mountain States Rubber Company, Inc.: *See*—
Oriob, Rudolph.
Multiplex Concrete Co., Inc., East Orange, N. J. Concrete products. 510,287, May 31; Serial No. 537,473, published Feb. 1, 1949. Class 12.
Munsingwear, Inc., Minneapolis, Minn. Men's, women's, girls' and boys' hosiery, men's, women's, boys', and girls' knit sleeping-wear, etc. 510,271, May 31; Serial No. 535,068, published Jan. 18, 1949. Class 39.
Murphy, Alfred: *See*—
Ocean Bathing Suit Co., The.
Myers, D. E., Oceano, Calif. Fresh vegetables. 427,009, Jan. 21, 1947. Republished May 31. Class 46.
Myers, D. E., Oceano, Calif. Fresh vegetables. 430,769, June 24, 1947. Republished May 31. Class 46.
Mystic Foam Corporation, The, Cleveland, Ohio. Dry cleaner. 442,767, May 31; Serial No. 518,553, published Jan. 18, 1949. Class 4.
Nagele's, H., Market, Manhasset, N. Y. Gin, whiskey, brandy, etc. 339,987, Oct. 27, 1936. Republished May 31. Class 49.
Nagele's, H., Market, Manhasset, Long Island, N. Y. Wines. 344,840, Apr. 6, 1937. Republished May 31. Class 47.
Nalle Plastics, Inc., Austin, Tex. Molded plastic articles. 510,291, May 31; Serial No. 537,930, published Jan. 25, 1949. Class 12.
Napier Company, The, Meriden, Conn. Pyrophoric pocket and desk-type lighters. 510,312, May 31; Serial No. 540,853, published Jan. 18, 1949. Class 8.
National Aniline & Chemical Company, Incorporated, by Allied Chemical & Dye Corporation, New York, N. Y. Dyestuffs. 144,874–6, July 19, 1921. Republished May 31. Class 6.
National Creamery Company, Boston, to National Creamery Company, Somerville, Mass. Cheese and butter. 254,617, renewed Mar. 26, 1949. O. G. May 31. Class 46.
National Remedy Company, Inc., White Plains, N. Y. Medicinal oil. 510,354, May 31; Serial No. 546,874, published Jan. 18, 1949. Class 6.
National Starch Products Inc., New York, N. Y. Glue. 510,336, May 31; Serial No. 542,480, published Feb. 8, 1949. Class 6.
National Toilet Company: *See*—
American Drug & Press Association.
Sunclyme House, Inc.
National Toilet Company, Paris, Tenn. Face powder. 44,715, July 18, 1905. Republished May 31. Class 6.
National Toilet Company, Paris, Tenn. Cosmetic cream. 44,716, July 18, 1905. Republished May 31. Class 6.
National Toilet Company, Paris, Tenn. Vanishing cream, cleansing cream, deodorant cream, etc. 207,819, Jan. 12, 1926. Republished May 31. Class 6.
National Toilet Company, Paris, Tenn. Face powders, bleach cream, tissue and wrinkle cream, etc. 215,149, July 13, 1926. Republished May 31. Class 6.
National Toilet Company, doing business as Merrit Products Company, Paris, Tenn. Pie filling mix, tapioca dessert mix, prepared mustard, etc. 417,562, Oct. 30, 1945. Republished May 31. Class 46.
New England Distillers, Inc., Boston, Mass. Gin. 312,752, May 8, 1934. Republished May 31. Class 49.
New England Distillers, Inc., Boston, Mass. Rum. 321,960, Feb. 19, 1935. Republished May 31. Class 49.
New England Knitting Company, The, Winsted, Conn. Woven and knitted underwear and outerwear. 510,309, May 31; Serial No. 540,595, published Feb. 1, 1949. Class 39.
New England Knitting Company, The, Winsted, Conn. Woven and knitted outerwear. 510,310, May 31; Serial No. 540,596, published Feb. 1, 1949. Class 39.
Newport Rolling Mill Company, The, Newport, Ky., by International Detrola Corporation, Detroit, Mich. Corrugated metal sheets and plain metal sheets. 123,475, Nov. 12, 1918. Republished May 31. Class 14.
Newport Rolling Mill Co., Newport, Ky., by International Detrola Corporation, Detroit, Mich. Corrugated conductor pipes, plain conductor pipes, round corrugated conductor pipes, etc. 211,692, Apr. 20, 1926. Republished May 31. Class 13.
Newport Rolling Mill Co., Newport, Ky., by International Detrola Corporation, Detroit, Mich. Corrugated metal sheets and plain metal sheets. 212,103, Apr. 27, 1926. Republished May 31. Class 14.
Newport Rolling Mill Co., Newport, Ky., by International Detrola Corporation, Detroit, Mich. Building material. 218,427, Sept. 28, 1926. Republished May 31. Class 12.
Newport Rolling Mill Co., The, Newport, Ky., by International Detrola Corporation, Detroit, Mich. Corrugated iron and steel roofings and sidings, etc. 325,864, July 9, 1935. Republished May 31. Class 12.
Newport Rolling Mill Co., The, Newport, Ky., by International Detrola Corporation, Detroit, Mich. Processed galvanized ferrous metal sheets. 391,629, Nov. 18, 1941. Republished May 31. Class 14.
Newport Rolling Mill Company, Inc., The, Newport, Ky., by International Detrola Corporation, Detroit, Mich. Zinc coated iron and steel sheeting. 334,596, May 5, 1936. Republished May 31. Class 14.
New York Evening Journal, Inc., by Hearst Consolidated Publications, Inc., New York, N. Y. Newspaper section and magazine. 366,070, Mar. 28, 1939. Republished May 31. Class 38.
New York Mills Corporation, to A. D. Juilliard & Co., Inc., New York, N. Y. Cotton pile fabrics. 235,882, renewed Apr. 30, 1940. O. G. May 31. Class 42.
New York Girl Coat Co., Inc., New York, N. Y. Girls' and misses' suits and coats. 510,325, May 31; Serial No. 541,326, published Jan. 25, 1949. Class 39.
Nickel Plate Stove Polish Co.: *See*—
Armstrong Paint & Varnish Works.
Nickel Plate Stove Polish Company: *See*—
Armstrong Paint & Varnish Works.
No-Oda Products Co., Evanston, Ill. Air purifiers. 442,795, May 31; Serial No. 520,565, published June 8, 1948. Class 6.
Nordberg Manufacturing Company, Milwaukee, Wis. Crushing machinery. 261,120, Sept. 3, 1929. Republished May 31. Class 23.
Norman Products Company, Columbus, Ohio. Gas conversion burner. 510,173, May 31; Serial No. 508,915, published Jan. 18, 1949. Class 34.
Norris, Elisabeth, doing business as Nina de Lisle, New York, N. Y. Cosmetics. 510,462, May 31; Serial No. 521,271. Class 6.
North Hollywood Egg Farms: *See*—
Whitehead Bros.
Norwich Pharmacal Company, The, Norwich, N. Y. Medicinal preparations. 257,956, renewed June 25, 1949. O. G. May 31. Class 6.
Oakite Products, Inc., New York, N. Y. Chemical compounds having water-softening qualities. 510,387, May 31; Serial No. 548,674, published Feb. 22, 1949. Class 6.

Ocean Bathing Suit Co., The, to A. Murphy, New York, N. Y. Bathing suits. 248,122, renewed Oct. 16, 1948. O. G. May 31. Class 39.

O-Cedar Corp'n, Chicago, Ill. Insecticides. 510,328, May 31; Serial No. 541,785, published Feb. 1, 1949. Class 6.

Ohio Galvanizing & Manufacturing Company, The, Niles, Ohio. Ice cans. 510,304, May 31; Serial No. 540,099, published Feb. 8, 1949. Class 31.

Ohio Provision Co., The, Cleveland, Ohio. Bacon. 373,344, Dec. 5, 1939. Republished May 31. Class 46.

Ohio Provision Co., The, Cleveland, Ohio. Bacon. 375,254, Feb. 13, 1940. Republished May 31. Class 46.

Oilgear Company, The, Milwaukee, Wis. Vertical broaching machines. 439,374, June 22, 1948. Republished May 31. Class 23.

Olive Heights Citrus Association, Olive, Calif. Fresh citrus fruits. 203,631-2, Sept. 22, 1925. Republished May 31. Class 46.

Ol Mammy Company, Enfield, N. C. Raw peanuts. 510,285, May 21; Serial No. 537,075, published Feb. 8, 1949. Class 46.

Oneida Ltd.: *See*—
Rogers, Wm. A., Limited.

Oneida Ltd., Oneida, N. Y. Silverplated flat tableware. 439,621-3, July 6, 1948. Republished May 31. Class 28.

Orlob, Rudolph, doing business as Mountain States Rubber Company, by Mountain States Rubber Company, Inc., Salt Lake City, Utah. Belting, hose, asbestos, and rubber packings and lacing. 202,736, Sept. 1, 1925. Republished May 31. Class 35.

Orlob, Rudolph, doing business as Mountain States Rubber Company, by Mountain States Rubber Company, Inc., Salt Lake City, Utah. Asbestos and rubber sheet packing. 202,737, Sept. 1, 1925. Republished May 31. Class 35.

Osborn Manufacturing Company, The, Cleveland, Ohio. Brush strip. 439,334, June 22, 1948. Republished May 31. Class 29.

Outside Venetian Blind Company: *See*—
Tasco Corporation.

Overton Chemical Company, Sumner, Iowa. Granular soap. 510,174, May 31; Serial No. 510,973, published Jan. 11, 1949. Class 4.

Pacific Chemical Company, Los Angeles, Calif. Surface active agent. 510,200, May 31; Serial No. 524,077, published Feb. 1, 1949. Class 6.

Pacific Chemical and Fertiliser Company: *See*—
Pacific Guano & Fertiliser Company.

Pacific Clay Products, Los Angeles, Calif. Ceramic pipe, ceramic pipe fittings, and ceramic pipe joint collars. 510,263, May 31; Serial No. 534,332, published Jan. 25, 1949. Class 12.

Pacific Guano & Fertilizer Co., The, by Pacific Chemical and Fertiliser Company, Honolulu, Territory of Hawaii. Fertilizers. 96,329, Apr. 14, 1914. Republished May 31. Class 10.

Pacific Coast Borax Company, Los Angeles, Calif. Synthetic detergents. 510,193, May 31; Serial No. 521,819, published May 18, 1948. Class 4.

Padre Vineyard Company, Los Angeles and Cucamonga, Calif. Wine. 510,188, May 31; Serial No. 520,294, published Jan. 11, 1949. Class 47.

Paillard, E., & Cie., S. A., Sainte-Croix, Switzerland, now by change of name Paillard S. A. (Paillard A. G., Paillard Limited). Projectors, epidiascopes, light meters, etc. 442,768, May 31; Serial No. 505,515, published July 6, 1946. Class 26.

Paillard S. A. (Paillard A. G., Paillard Limited): *See*—
Paillard, E., & Cie., S. A.

Pakula and Company, Chicago, Ill. Jewelry. 510,226, May 31; Serial No. 529,924, published Feb. 8, 1949. Class 28.

Pallet Engineering Company, assignor to N. M. Bryson, San Francisco, Calif. Metal bridge ramps and wooden loading pallets. 510,300, May 31; Serial No. 539,735, published Feb. 22, 1949. Class 50.

Pan American Airways, Inc., New York, N. Y. Transportation of passengers and freight by aircraft. 510,452, May 31; Serial No. 529,923, published Mar. 8, 1949. Class 35.

Pan-American Enterprises, Inc., New York, N. Y. Oil stoves. 510,162, May 31; Serial No. 474,550, published Feb. 1, 1949. Class 34.

Papas, C., Company, Inc.: *See*—
Goodman, N., & Son.

Paraffine Companies, Inc., The: *See*—
Paraffine Paint Co., The.

Paraffine Paint Co., The, to The Paraffine Companies, Inc., San Francisco, Calif. Waterproof roofings and building papers. 75,095, re-renewed Aug. 31, 1949. O. G. May 31. Class 12.

Paragon-Revolute Corporation, Rochester, N. Y. Machines for making blueprints and other prints, etc. 510,235, May 31; Serial No. 531,230, published Feb. 15, 1949. Class 26.

Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet waters, eau de colognes, etc. 510,435, May 31; Serial No. 536,467, published Feb. 22, 1949. Class 6.

Parker Manufacturing Company, Warren, Ohio. Mops. 507,576, Mar. 15, 1949. Corrected. O. G. May 31. Class 29.

Pasotex Petroleum Company, Wilmington, Del., and San Francisco, Calif., to Standard Oil Company of Texas, San Francisco, Calif. Gasoline, kerosene, lubricating oil, etc. 253,628, renewed Mar. 6, 1949. O. G. May 31. Class 15.

Patricia Petticoat Co., Inc., by Rhythm Lingerie, Inc., New York, N. Y. Ladies' and misses' chemises, negligees, costume slips, panties, etc. 345,993, May 11, 1937. Republished May 31. Class 39.

Patrick Sales Co.: *See*—
Pohlmann, Lillie M.

Pease Woodwork Company, Cincinnati, Ohio. Imitation tile board and asphalt slate surfaced roofing. 510,335, May 31; Serial No. 542,343, published Jan. 18, 1949. Class 12.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Cleaning composition. 442,799, May 31; Serial No. 521,400, published Feb. 8, 1949. Class 4.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Cleaning composition. 442,800, May 31; Serial No. 521,401, published Feb. 8, 1949. Class 4.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. 510,399, May 31; Serial No. 549,657, published Feb. 22, 1949. Class 6.

Peoples Drug Stores, Inc., Washington, D. C., also doing business as Shur-Fyre Products Company. Spirits for filling pocket cigarette and cigar lighters. 253,125, Feb. 19, 1929. Republished May 31. Class 6.

Perfumeria Floralia, S. A., Madrid, Spain. Soaps, shaving creams, and shaving powders. 510,400, May 31; Serial No. 549,838, published Jan. 11, 1949. Class 4.

Perfumeria Floralia, S. A., Madrid, Spain. Cologne; hand, face, and skin lotions; after-shaving lotion; etc. 510,401, May 31; Serial No. 549,839, published Feb. 22, 1949. Class 6.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 510,420, May 31; Serial No. 554,149, published Feb. 1, 1949. Class 6.

Philadelphia and Reading Coal and Iron Company, The, Philadelphia, Pa. Coal. 510,451, May 31; Serial No. 563,989, published Feb. 22, 1949. Class 1.

Phillips-Baker Rubber Co., to Goodyear Footwear Corporation, Providence, R. I. Rubber boots and shoes. 263,733-4, renewed Mar. 5, 1949. O. G. May 31. Class 39.

Phillips Chemical Company: *See*—
Bash, John M.

Photoswitch Incorporated, Cambridge, Mass. Electrical signal amplifying and/or relaying apparatus, etc. 431,183, July 15, 1947. Republished May 31. Class 21.

Pick Manufacturing Company, West Bend, Wis. Replaceable cartridge type oil filters. 510,337, May 31; Serial No. 542,650, published Jan. 25, 1949. Class 31.

Piedmont Mills Inc., Lynchburg, Va. Wheat flour. 44,378, July 4, 1905. Republished May 31. Class 46.

Plessner, Paul, Company, The, Detroit, Mich. Preparation for use in the treatment of hypertension. 510,410, May 31; Serial No. 552,006, published Feb. 22, 1949. Class 6.

Pletcher, G. H., Harlingen, Tex. Fresh grapefruit. 419,494, Feb. 19, 1946. Republished May 31. Class 46.

Plibrico Jointless Firebrick Company, Chicago, Ill. Castable refractory material. 510,412, May 31; Serial No. 552,876, published Feb. 15, 1949. Class 12.

Plibrico Jointless Firebrick Company, Chicago, Ill. Dry aggregate ready to mix with water to form a plastic heat insulating material. 510,413, May 31; Serial No. 552,877, published Feb. 15, 1949. Class 12.

Pluto Corporation: *See*—
French Lick Springs Hotel Co.

Plymouth Cordage Company, Plymouth, Mass. Fibrous and textile rope and twine. 54,721, June 26, 1906. Republished May 31. Class 7.

Plymouth Cordage Company, Plymouth, Mass. Fibrous and textile rope and twine. 92,577, July 15, 1913. Republished May 31. Class 7.

Plymouth Cordage Company, Plymouth, Mass. Fibrous and textile rope and twine. 95,144, Feb. 3, 1914. Republished May 31. Class 7.

Plymouth Cordage Company, Plymouth, Mass. Binder twine. 251,310, Jan. 1, 1929. Republished May 31. Class 7.

Plymouth Cordage Company, Plymouth, Mass. Binder twine. 430,291, June 10, 1947. Republished May 31. Class 7.

Pohlmann, Lillie M., doing business as Patrick Sales Co., San Francisco, Calif. Eyeglass cleaner. 510,375, May 31; Serial No. 547,656, published Feb. 8, 1949. Class 4.

Polk Miller Products Corporation, Richmond, Va. Flea soap. 510,446, May 31; Serial No. 560,916, published Jan. 11, 1949. Class 4.

Pollack, Max, & Co., Inc., New York, N. Y. Thread. 358,291, July 5, 1938. Republished May 31. Class 43.

Pollack, Max, & Co., Inc., New York, N. Y. Thread. 360,000, Sept. 6, 1938. Republished May 31. Class 43.

Pomona Fruit Growers Exchange, Pomona, Calif. Fresh citrus fruits. 255,509, Apr. 23, 1929. Republished May 31. Class 46.

Porcelain Tile Company, Warren, Ohio, by Clyde Porcelain Steel Corporation, Clyde, Ohio. Tiles, foundation sheets for tiles, and cement. 293,146, Apr. 12, 1932. Republished May 31. Class 12.

Powell, Wm., Company, The, Cincinnati, Ohio. Gate valves and globe valves. 442,800-10, May 31; Serial No. 522,534-5, published Feb. 1, 1949. Class 18.

Prairie States Oil & Grease Company, Danville, Ill. Antifreeze coolant. 510,440, May 31; Serial No. 550,245, published Feb. 22, 1949. Class 6.

Pratt & Wollman, Inc., New York, N. Y. Jewelry. 510,391, May 31; Serial No. 548,993, published Feb. 22, 1949. Class 28.

Pray, J. Parker, Dr., Company, New York, N. Y., to J. Parker Pray, Inc., Stamford, Conn. Finger-nail polishes. 33,357, re-renewed Aug. 16, 1949. O. G. May 31. Class 6.

Pray, J. Parker, Dr., Company, New York, N. Y., to J. Parker Pray, Inc., Stamford, Conn. Cosmetics. 33,358, re-renewed Aug. 16, 1949. O. G. May 31. Class 6.

Pray, J. Parker, Dr., Company, New York, N. Y., to J. Parker Pray, Inc., Stamford, Conn. Toilet preparation. 33,359, re-renewed Aug. 15, 1949. O. G. May 31. Classes 4 and 6.

Pray, J. Parker, Inc.: *See*—
Pray, J. Parker, Dr., Company.

Premier Appliance Co., Inc., New York, N. Y. Mechanical fire alarm bell ringing devices. 439,709, July 13, 1948. Republished May 31. Class 23.

Prior, W. F., Company, Inc., to W. F. Prior Company, Inc., Hagerstown, Md. Monthly medical journal. 225,150, renewed Mar. 15, 1947. O. G. May 31. Class 38.

Procher, E. P.: *See*—
Bowles, Frances P., trustee.

Procter & Gamble Company: *See*—
Florian, Inc.

Progress Bedding Co., Detroit, Mich. Mattresses and box springs. 510,463, May 31; Serial No. 532,340. Class 32.

Pyle National Company, The, Chicago, Ill. Circuit breaking plugs and receptacles. 288,987, Nov. 10, 1931. Corrected. O. G. May 31. Class 21.

Quaker Rubber Corporation, Philadelphia, Pa. Transmission belting. 510,423, May 31; Serial No. 554,601, published Feb. 8, 1949. Class 35.

Quaker Rubber Corporation, Philadelphia, Pa. Transmission belting. 510,424, May 31; Serial No. 554,606, published Feb. 8, 1949. Class 35.

Radiron Corporation, Miamisburg, Ohio. Electric toasters. 438,127, Apr. 6, 1948. Republished May 31. Class 21.

Rat Biscuit Company, The, Springfield, Ohio. Rat exterminating powder. 439,042, June 1, 1948. Republished May 31. Class 6.

Recker-Best Company, Phoenix, by E. C. Recker, Mess., Ariz. Fresh vegetables and melons. 808,133, Nov. 21, 1933. Republished May 31. Class 46.

Recker, Earl C.: *See*—
Recker-Best Company.

Redlands Foothill Groves, Redlands, Calif. Fresh citrus fruits. 383,989, Apr. 14, 1936. Republished May 31. Class 46.

Reeves & Sons, Ltd., London, England. Notebooks, chalk holders, and ungraded wooden rulers. 227,582, May 10, 1927. Republished May 31. Class 37.

Refrig-O-Bag Co., Minneapolis, Minn. Portable bag-type refrigerators. 510,266, May 31; Serial No. 533,616, published Aug. 17, 1948. Class 31.

Reibling-Lewis, Inc.: *See*—
Lederer, Henry, & Bro. Inc.

Research Chemical Company, Seattle, Wash. Lemon concentrate for bar mixes. 438,926, May 18, 1948. Republished May 31. Class 49.

Rheem Manufacturing Company, New York, N. Y. Automatic water heaters. 510,345, May 31; Serial No. 544,198, published Feb. 1, 1949. Class 34.

Rhodes, Albert, Cleveland, Ohio. Valves, faucets, and parts therefor. 434,584, Nov. 25, 1947. Republished May 31. Class 13.

Rhythm Lingerie, Inc.: *See*—
Patricia Petticoat Co., Inc.

Riegel Textile Corporation: *See*—
Ware Shoals Manufacturing Company.

Riland Frocks, Inc., Boston, Mass. Misses' and women's dresses. 510,468, May 31; Serial No. 511,184. Class 39.

Rinshed-Mason Company, Detroit, Mich. Liquid cleaner; synthetic enamel cleaner; and cleaning material, etc. 442,785, May 31; Serial No. 517,668, published Feb. 1, 1949. Class 4.

Ritter Company, Inc.: *See*—
Ritter Dental Manufacturing Company, Inc.

Ritter Dental Manufacturing Company, Inc., by Ritter Company, Inc., Rochester, N. Y. Dental appliance assemblies. 250,015-16, Nov. 27, 1928. Republished May 31. Class 44.

River Raisin Paper Company, Monroe, Mich. Corrugated and solid fibre shipping cases and cartons. 426,725, Dec. 3, 1946. Republished May 31. Class 2.

Roanoke Mills Company, Roanoke Rapids, N. C. Woven cotton fabrics. 244,074, July 10, 1928. Republished May 31. Class 42.

Robbins Tire and Rubber Company, Inc., Tuscumbia, Ala. Inner tubes. 442,779, May 31; Serial No. 516,312, published Mar. 16, 1948. Class 35.

Roberts, Bob: *See*—
Roberts, Robert J.

Roberts, Robert J., doing business as Bob Roberts, Gary, Ind. Propellers for toy power driven airplanes. 510,186, May 31; Serial No. 519,138, published Feb. 1, 1949. Class 22.

Robinson & Golluber, Inc., New York, N. Y. Handkerchiefs. 510,476, May 31; Serial No. 561,436. Class 39.

Roch, Pierre S. a. r. L., Rolle, Switzerland. Calipers, height gauges, depth gauges, etc. 442,784, May 31; Serial No. 516,104, published Feb. 15, 1949. Class 26.

Rochester Brewing Company, Inc., Rochester, N. Y. Beer and ale. 439,469, June 29, 1948. Republished May 31. Class 46.

Rockwell Manufacturing Company, Pittsburgh, Pa. Sanding kits. 510,264, May 31; Serial No. 534,348, published Feb. 1, 1949. Class 4.

Rockwell Manufacturing Company, Pittsburgh, Pa. Sanding kits. 510,265, May 31; Serial No. 534,353, published Feb. 1, 1949. Class 4.

Rockwell Manufacturing Company, Pittsburgh, Pa. Plug valves and parts thereof. 510,436, May 31; Serial No. 556,674, published Feb. 15, 1949. Class 13.

Roddenbery, W. B.: *See*—
Roddenbery, Walter B.

Roddenbery, W. B., Co., by W. B. Roddenbery Company, Inc., Cairo, Ga. Table syrups, peanut butter, and pickles and pickle relish. 345,906, May 11, 1937. Republished May 31. Class 46.

Roddenbery, W. B., Co., by W. B. Roddenbery Company, Inc., Cairo, Ga. Pickles and pickle relish. 346,158, May 18, 1937. Republished May 31. Class 46.

Roddenbery, W. B., Co., by W. B. Roddenbery Company, Inc., Cairo, Ga. Peanut butter. 371,957, Oct. 17, 1938. Republished May 31. Class 46.

Roddenbery, W. B., Co., by W. B. Roddenbery Company, Inc., Cairo, Ga. Table syrup and peanut butter. 385,785, Mar. 18, 1941. Republished May 31. Class 46.

Roddenbery, W. B., Company, by W. B. Roddenbery Company, Inc., Cairo, Ga. Table syrup, pickles, peanut butter, and pickle relish. 389,590, Aug. 12, 1941. Republished May 31. Class 46.

Roddenbery, W. B., Co., by W. B. Roddenbery Company, Inc., Cairo, Ga. Table syrup, pickles, peanut butter, and pickle relishes. 393,726, Mar. 3, 1942. Republished May 31. Class 46.

Roddenbery, W. B., Company, Inc.: *See*—
Roddenbery, W. B., Co.
Roddenbery, W. B., Company.
Roddenbery, Walter B.

Roddenbery, Walter B., by W. B. Roddenbery Company, Inc., Cairo, Ga. Cane syrup. 186,950, July 22, 1924. Republished May 31. Class 46.

Roddenbery, Walter B., by W. B. Roddenbery Company, Inc., Cairo, Ga. Sorghum syrup blended with corn syrup. 213,120, May 18, 1926. Republished May 31. Class 46.

Roddenbery, Walter B., by W. B. Roddenbery Company, Inc., Cairo, Ga. Table syrup. 227,663, May 10, 1927. Republished May 31. Class 46.

Roddenbery, Walter B., by W. B. Roddenbery Company, Inc., Cairo, Ga. Table syrup. 232,639, Sept. 13, 1927. Republished May 31. Class 46.

Roddenbery, Walter B., by W. B. Roddenbery Company, Inc., Cairo, Ga. Molasses. 279,141, Jan. 6, 1931. Republished May 31. Class 46.

Roddenbery, Walter B., by W. B. Roddenbery Company, Inc., Cairo, Ga. Cane syrup. 282,795, May 5, 1931. Republished May 31. Class 46.

Roddenbery, Walter B., by W. B. Roddenbery Company, Inc., Cairo, Ga. Molasses. 284,122, June 16, 1931. Republished May 31. Class 46.

Rogers Imports Inc., New York, N. Y. Tobacco pouches, cigar, cigarette, and pipe cases, etc. 510,169, May 31; Serial No. 502,717, published Jan. 25, 1949. Class 8.

Rogers, Wm. A., Limited, New York and Niagara Falls, by Oneida Ltd., Oneida, N. Y. Silver-plated flat and hollow ware and cutlery. 97,079, May 19, 1914. Republished May 31. Class 28.

Rohm & Haas Company, Philadelphia, Pa. Synthetic organic chemicals. 510,441, May 31; Serial No. 559,325, published Feb. 22, 1949. Class 6.

Rondeau, H. O., Shoe Co., Inc., Farmington, N. H. Ladies' and misses' shoes. 338,595, Sept. 8, 1936. Republished May 31. Class 39.

Rosenau Bros., Inc., by Rosenau Brothers, Inc. (1945), Philadelphia, Pa. Elastic bands. 250,103, Nov. 27, 1928. Republished May 31. Class 40.

Rosenau Brothers, Inc. (1945): *See*—
Rosenau Bros., Inc.

Rossiger, H. P., & Co., Inc., New York, N. Y. Coal tar dyestuffs. 510,443, May 31; Serial No. 559,735, published Feb. 8, 1949. Class 6.

Roxana Petroleum Corporation, St. Louis, Mo., by Shell Oil Company, Incorporated, San Francisco, Calif. Gas in portable tanks. 253,301, Feb. 26, 1929. Republished May 31. Class 6.

Royal Mfg. Co. of Duquesne: *See*—
Royal Pharmacal Corporation.

Royal Pharmacal Corporation, doing business as Royal Mfg. Co. of Duquesne, Brooklyn, N. Y. Zinc paste sulphur ointment, whitfield ointment, etc. 510,266, May 31; Serial No. 534,309, published Aug. 17, 1948. Class 6.

Royster, F. S., Guano Co., Norfolk, Va. Fertilizer. 259,254, renewed July 30, 1949. O. G. May 31. Class 10.

Rubinstein, Helena, Inc., New York, N. Y. Face and body powders, face cream, toilet water, etc. 510,457, May 31; Serial No. 503,943. Class 6.

Russell Manufacturing Company, The, Middletown, Conn. Brake liners. 259,589, renewed Aug. 6, 1949. O. G. May 31. Class 35.

S. K. S. Products: *See*—
Scott, Charles W.

Safeway Stores, Incorporated: *See*—
Sutter Packing Company.

Safeway Stores, Incorporated, Oakland, Calif. Dressed turkeys. 406,362, Mar. 28, 1944. Republished May 31. Class 46.

St. Regis Paper Company, New York, N. Y. Resinous plastic materials, thermoplastic materials. 442,817, May 31; Serial No. 524,625, published Feb. 1, 1949. Class 1.

Salazar, Lucia, doing business as Los Angeles Pharmacal Company, Los Angeles, Calif. Preparation for the care of sore, inflamed and bleeding gums. 510,240, May 31; Serial No. 531,724, published July 6, 1948. Class 6.

Salesky, Harry, doing business as The La Salle Company, by Champ Hats, Inc., Philadelphia, Pa. Men's and boys' hats and caps. 215,896, July 27, 1926. Republished May 31. Class 39.

San Antonio Drug Company, San Antonio, Tex. Medicinal white mineral oil, rubbing alcohol, citrate of magnesia, etc. 510,403, May 31; Serial No. 550,173, published Feb. 1, 1949. Class 6.

Sanborn Company, Cambridge, Mass. Heat-sensitive recording paper. 438,747, May 11, 1948. Republished May 31. Class 26.

Sargo Company, New York, N. Y. Game. 400,657, Mar. 23, 1943. Republished May 31. Class 22.

Sayco Doll Corporation, New York, N. Y. Dolls. 442,761, May 31; Serial No. 501,092, published Jan. 11, 1949. Class 22.

Scarlett, William G., doing business as Wm. G. Scarlett & Co., Baltimore, Md. Clover, grass, field, and forage seeds. 180,943, Sept. 30, 1924. Republished May 31. Class 1.

Scarlett, William G., Baltimore, Md. Grass and field seeds. 228,939–41, Apr. 26, 1927. Republished May 31. Class 1.

Scarlett, William G., Baltimore, Md. Grass and field seeds. 226,946, Apr. 26, 1927. Republished May 31. Class 1.

Scarlett, William G., Baltimore, Md. Grass and field seeds. 227,115, Apr. 26, 1927. Republished May 31. Class 1.

Scarlett, William G., doing business as Wm. G. Scarlett & Co., Baltimore, Md. Lawn and grass seed. 229,379, June 28, 1927. Republished May 31. Class 1.

Scarlett, William G., doing business as Wm. G. Scarlett & Co., Baltimore, Md. Grass and field seeds. 234,405, Oct. 25, 1927. Republished May 31. Class 1.

Scarlett, William G., doing business as Wm. G. Scarlett & Co., Baltimore, Md. Pigeon and poultry feeds, bird seed. 293,470, Apr. 26, 1932. Republished May 31. Class 46.

Scarlett, William G., doing business as Wm. G. Scarlett & Co., Baltimore, Md. Field seeds. 399,472, Jan. 12, 1943. Republished May 31. Class 1.

Scarlett, Wm. G., & Co.: *See*—
Scarlett, William G.

Schmid, Hubert E., doing business as Tuferete Company, Des Moines, Iowa. Bituminous emulsion composition. 510,292 May 31; Serial No. 538,182, published Feb. 1, 1949. Class 12.

Schmid, Hubert E., doing business as Tuferete Company, Des Moines, Iowa. Clear liquid used in hardening concrete. 510,295, May 31; Serial No. 539,087, published Feb. 1, 1949. Class 12.

Scholl Mfg. Co., Inc., The: *See*—
Scholl Manufacturing Company, Inc.

Scholl Manufacturing Company, Inc., now by change of name, The Scholl Mfg. Co., Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Arch supports. 211,206, Apr. 6, 1926. Republished May 31. Class 44.

Schomacker Piano Forte Manufacturing Co., The, by John Wanamaker Philadelphia, Philadelphia, Pa. Pianos and pianofortes. 72,174, Jan. 5, 1909. Republished May 31. Class 36.

Schuman & Donchi, Inc.: *See*—
Bond Diamond Company.

Schumm & Snyder, to Jacob A. Snyder, Brooklyn, N. Y. Headwear. 260,222, renewed Aug. 20, 1949. O. G. May 31. Class 39.

Scott, Charles W., doing business as S. K. S. Products, Butte, Mont. Fishing tackle. 442,797, May 31; Serial No. 520,772, published Feb. 1, 1949. Class 22.

Scull, Wm. S., Company: *See*—
Buell, George C., & Co., Inc.

Scull, William S., Company, Camden, N. J., by Bosco Company, Inc., New York, N. Y. Chocolate malt syrup. 249,057, Nov. 27, 1928. Republished May 31. Class 46.

Scully Rubber Mfg. Co., Baltimore, Md. Flush tank balls. 510,475 May 31; Serial No. 552,087. Class 13.

Sea Island Mills Incorporated, New York, N. Y. Cotton broadcloth in the piece. 327,727–8, Sept. 3, 1935. Republished May 31. Class 42.

Sea Island Mills, Incorporated, New York, N. Y. Waterproofed woven piece goods. 352,162, Nov. 23, 1937. Republished May 31. Class 42.

Sea Island Mills, Incorporated, New York, N. Y. Water repellent and waterproof fabrics. 400,060, Feb. 16, 1943. Republished May 31. Class 50.

Sea Island Mills, Incorporated, New York, N. Y. Fabrics. 436,403, Feb. 10, 1948. Republished May 31. Class 42.

Sears Roebuck and Co., Chicago, Ill. Photographic chemicals. 510,349, May 31; Serial No. 544,776, published Feb. 8, 1949. Class 6.

Sequoia Products Company, Eureka, Calif. Fungicidal compound. 510,273, May 31; Serial No. 535,264, published Jan. 11, 1949. Class 6.

Sharples Chemicals Inc.: *See*—
Sharples Solvents Corporation, The.

Sharples Solvents Corporation, The, to Sharples Chemicals Inc., Philadelphia, Pa. Amyl alcohol. 255,152, renewed Apr. 16, 1949. O. G. May 31. Class 6.

Shell Oil Company by Shell Oil Company, Incorporated, San Francisco, Calif. Lubricating oils. 301,513, Mar. 7, 1933. Republished May 31. Class 15.

Shell Oil Company, by Shell Oil Company, Incorporated, San Francisco, Calif. Liquid fuel. 324,610, May 21, 1935. Republished May 31. Class 15.

Shell Oil Company, by Shell Oil Company, Incorporated, San Francisco, Calif. Lubricating oil. 332,902, Feb. 11, 1936. Republished May 31. Class 15.

Shell Oil Company, Incorporated: *See*—
Rozana Petroleum Corporation.
Shell Oil Company.

Shell Oil Company, Incorporated, San Francisco, Calif. Anti-freeze solutions. 376,560, Feb. 20 1940. Republished May 31. Class 6.

Shell Oil Company, Incorporated, San Francisco, Calif. Petroleum oil resins. 379,580, July 16, 1940. Republished May 31. Class 1.

Shell Oil Company, Incorporated, San Francisco, Calif. Lubricating oil and transformer oil. 383,815, Dec. 24, 1940. Republished May 31. Class 15.

Sherwin-Williams Company, The, Cleveland, Ohio. Paint enamels. 510,313, May 31; Serial No. 540,910, published Feb. 15, 1949. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Caulking compound. 510,351, May 31; Serial No. 545,292, published Feb. 1, 1949. Class 12.

Shur-Fyre Products Company: *See*—
Peoples Drug Stores, Inc.

Sight Feed Generator Company, The, West Alexandria, Ohio. Acetylene gas generators, oxygen gas generators, gas welding flux chargers, etc. 510,233, May 31; Serial No. 530,343, published Jan. 25, 1949. Class 34.

Signal Engineering & Mfg. Co., New York, N. Y. Electric signalling apparatus, etc. 368,825, July 4, 1939. Republished May 31. Class 21.

Simon Irving, doing business as Alltex Products Company, New York, N. Y. Vehicular brake blocks. 439,448, June 29, 1948. Republished May 31. Class 19.

Simon, Irving, doing business as Ald-Oil Drugs, Brooklyn, N. Y. Foot preparation for athlete's foot. 442,753. May 31; Serial No. 466,746, published July 11, 1944. Class 6.

Simoneau, J. W., & Sons and White Mountain Perfumers: *See*—
Simoneau, Joseph W.

Simoneau, Joseph W., doing business as J. W. Simoneau & Sons and White Mountain Perfumers, Nashua N. H. Perfume. 442,802, May 31; Serial No. 521,693, published Feb. 1, 1949. Class 6.

Singer Manufacturing Company, The, Elizabeth, N. J. Lubricating oils. 74,992, re-renewed Aug. 24, 1949. O. G. May 31. Class 15.

Sipe, James B., & Co., Pittsburgh, Pa. Liquid containing oil for use in mixing paints. 221,440, Nov. 30, 1926. Republished May 31. Class 16.

Skinner Manufacturing Company, Omaha Nebr. Food product. 238,703, Feb. 14, 1928. Republished May 31. Class 46.

Smith Cannery Machines Company, Seattle, Wash. Fish-dressing machines. 65,366, Sept. 24, 1907. Republished May 31. Class 23.

Smith, Howard, Co., Houston, Tex. Well screens. 510,221. May 31; Serial No. 529,413, published Feb. 1, 1949. Class 13.

Smith, Kenneth, Kansas City Mo. Golf clubs. 510,307, May 31; Serial No. 540,326, published Jan. 18, 1949. Class 22.

Snow White Products Company: *See*—
Morton Manufacturing Corporation.

Snyder, Jacob A.: *See*—
Schumm & Snyder.

Société Anonyme Dognin, Villeurbanne, Paris, and Lyon, France. Laces and nets. 510,459, May 31; Serial No. 513,101. Class 42.

Soule Steel Company, San Francisco and Los Angeles, Calif., Portland, Oreg., and Houston, Tex. Steel windows and doors, reinforcing commodities. 510 202, May 31; Serial No. 527,479, published Jan. 11, 1949. Class 12.

Southern Mills, Inc., Atlanta, Ga. Cotton padding. 256,592, renewed May 21, 1949. O. G. May 31. Class 42.

Southern Stove Works, Inc., Richmond, Va. Cooking ranges. 510,190, May 31; Serial No. 521,157, published Feb. 1, 1949. Class 34.

Southern Wood Preserving Company, Enstpoint Ga. Chemically treated wood poles and posts. 510,345, May 31; Serial No. 544,472, published Feb. 8, 1949. Class 12.

Southwestern Heater Corporation, Hillsboro, Tex. Gas water heater. 510,181, May 31; Serial No. 515,724, published Jan. 18, 1949. Class 34.

Spalding, A. G., and Bros. Inc., Chicopee, Mass. Badminton rackets. 510,283 May 31; Serial No. 536,649, published Jan. 25, 1949. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Footballs. 510,315, May 31; Serial No. 541,035, published Jan. 18, 1949. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Baseballs, baseball mitts, baseball gloves, etc. 510,316, May 31; Serial No. 541,036, published Jan. 18, 1949. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf balls and golf clubs. 510,317, May 31; Serial No. 541,037, published Jan. 18, 1949. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf balls, golf clubs, tennis rackets, etc. 510,318. May 31; Serial No. 541,038, published Jan. 18, 1949. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Badminton rackets, squash rackets, tennis rackets, etc. 510,319, May 31; Serial No. 541,040, published Feb. 1, 1949. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets, badminton rackets, squash rackets, etc. 510,326, May 31; Serial No. 541,596, published Jan. 18, 1949. Class 22.

Specialty Products Company, The, New Orleans, La. Antiseptic toilet powder. 510,250, May 31; Serial No. 532,520, published Feb. 22, 1949. Class 6.

Sphar & Company, Winchester, Ky. Field seeds. 510,383, May 31; Serial No. 543,614, published Feb. 22, 1949. Class 1.

Spiegl, E. H. San Francisco, by Spiegl Farms, Inc., Salinas, Calif. Fresh fruits and fresh vegetables. 189,700, Sept. 23, 1924. Republished May 31. Class 46.

Spiegl, E. H., by Spiegl Farms, Inc., Salinas, Calif. Fresh vegetables. 310,711, Mar. 6, 1934. Republished May 31. Class 46.

Spiegl, E. H., by Spiegl Farms, Inc., Salinas, Calif. Fresh vegetables. 365,255 Feb. 28, 1939. Republished May 31. Class 46.

Spiegl Farms, Inc.: *See*—
Spiegl, E. H.

Staley, E., Manufacturing Company, Decatur, Ill. Vegetable derivative adhesive. 510,353, May 31; Serial No. 545,783, published Feb. 15, 1949. Class 6.

Staley Milling Company, North Kansas City, Mo. Wheat flour, corn meal, corn chop mixed feed, etc. 206,452, Dec. 1, 1925. Republished May 31. Class 46.

Staley Milling Company, North Kansas City, Mo. Milled grain products and preparations thereof. 341,669, Dec. 22, 1936. Republished May 31. Class 46.

Staley Milling Company, North Kansas City, Mo. Redeemable coupons. 366,640, Apr. 25, 1939. Republished May 31. Class 38.

Staley Milling Company, North Kansas City, Mo. Hog and pig feed. 412,312, Feb. 27, 1945. Republished May 31. Class 46.

Staley Milling Company, North Kansas City, Mo. Hog and pig feed supplement. 421,003, May 14, 1946. Republished May 31. Class 46.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Hydrocarbon cleaning fluid. 253,627, renewed Mar. 5, 1949. O. G. May 31. Class 4.

Standard Oil Company of Texas: *See*—
Pasotex Petroleum Company.

Standard Pharmaceutical Co., Inc., New York, N. Y. Cola tablets. 510,382, May 31; Serial No. 548,425, published Feb. 1, 1949. Class 6.

Standlee & Bryant, Brawley and Los Angeles, Calif., to W. M. Corn, Calipatria, Calif. Fresh vegetables, fresh citrus fruits, fresh deciduous fruits, etc. 256,931, renewed May 28, 1949. O. G. May 31. Class 46.

Stanley, George D., Salisbury, Md. Athlete's foot ointment. 510,416, May 31; Serial No. 553,646, published Feb. 1, 1949. Class 6.

Stanley, John T., Company, Inc., New York, N. Y. Powdered car washes, non-alkaline auto washes, prepolished cleansers, etc. 510,359, May 31; Serial No. 546,330, published Feb. 8, 1949. Class 4.

Starline Inc.: *See*—
Hunt, Helm, Ferris & Co.

Starline Inc., Harvard, Ill. Door hangers, door tracks and track brackets. 417,487, Oct. 30, 1945. Republished May 31. Class 13.

Sterilseat Corporation of America, Philadelphia, Pa. Rest room cleaning kit. 510,347, May 31; Serial No. 544,475, published Feb. 22, 1949. Class 50.

Sterling Oil Company: *See*—
Appaline Oil Company.

Stern Brothers, New York, N. Y. Men's, women's, and children's gloves. 260,201, renewed Aug. 20, 1949. O. G. May 31. Class 39.

Stetson Shoe Company, Incorporated, The, South Weymouth, Mass. Leather boots and shoes. 384,228, Jan. 7, 1941. Republished May 31. Class 39.

Stifel, J. L., & Sons, to J. L. Stifel & Sons, Inc., Wheeling, W. Va. Cotton piece goods. 260,622, renewed Aug. 27, 1949. O. G. May 31. Class 42.

Stifel, J. L., & Sons, Inc.: *See*—
Stifel, J. L., & Sons.

Stokes, W. H., Milling Co., Watertown, S. Dak., by Commander-Larabee Milling Company, Minneapolis, Minn. Wheat-flour. 68,808, Apr. 28, 1908. Republished May 31. Class 46.

Stokes, W. H., Milling Co., Watertown, S. Dak., by Commander-Larabee Milling Company, Minneapolis, Minn. Wheat-flour. 68,919, May 5, 1908. Republished May 31. Class 46.

Straus, Royer & Straus, Inc., Baltimore, Md. Women's, misses' and children's dresses, shirts, shorts, blouses, etc. 438,901, May 18, 1948. Republished May 31. Class 39.

Sugar Beet Products Company, Inc., Saginaw W. S., Mich. Concentrated soap. 510,183, May 31; Serial No. 516,585, published Feb. 15, 1949. Class 4.

Sun Chemical Corporation, New York, N. Y. Quaternary organic material. 442,778, May 31; Serial No. 515,136, published Jan. 25, 1949. Class 6.

Sun Chemical Corporation, New York N. Y. Printing ink. 510,369, May 31; Serial No. 547,173, published Feb. 1, 1949. Class 11.

Sun Chemical Corporation, New York, N. Y. Printing ink. 510,370, May 31; Serial No. 547,181, published Feb. 1, 1949. Class 11.

Sun Chemical Corporation, New York, N. Y. Printing ink. 510,371, May 31; Serial No. 547,186, published Feb. 1, 1949. Class 11.

Sun Rubber Company, The, Barberton, Ohio. Athletic balls. 510,256–8, May 31; Serial Nos. 533,640–2, published Feb. 1, 1949. Class 22.

Sunclyme House, Inc., Miami, Fla., by National Toilet Company, Paris, Tenn. Cosmetic preparations. 343,558, Mar. 9, 1937. Republished May 31. Class 6.

Sunday Creek Coal Company, The, Columbus, Ohio. Coal. 510,270, May 31; Serial No. 534,938, published Feb. 8, 1949. Class 1.

Super-Cyclone, Inc., Glendale, Calif. Toys. 442,770, May 31; Serial No. 510,285, published Feb. 1, 1949. Class 22.

Superior Felt & Bedding Company, by The Englander Company, Inc., Chicago, Ill. Mattresses. 360,928, Aug. 8, 1939. Republished May 31. Class 32.

Sutter Packing Company, Mayfield, by Safeway Stores, Incorporated, Oakland, Calif. Canned fruits. 251,707, Jan. 15, 1929. Republished May 31. Class 46.

Synthane Corporation, Oaks, Pa. Laminated phenolic condensation products. 261,841, Sept. 24, 1929. Republished May 31. Class 1.

Takamine Laboratory, Inc., Clifton, N. J. Preparation for the removal of stains from fabrics. 510,454, May 31; Serial No. 535,782, published Feb. 1, 1949. Class 4.

Tappan Stove Company, The, Mansfield, Ohio. Gas ranges and stoves. 510,406, May 31; Serial No. 550,841, published Feb. 1, 1949. Class 34.

Tasco Corporation, doing business as Outside Venetian Blind Company, assignor to J. E. Bush, Dallas, Tex., doing business as Outside Venetian Blind Company, Metallic shutters. 510,225, May 31; Serial No. 529,828, published Feb. 1, 1949. Class 12.

Taylor's, Chas., Sons Company, The, Cincinnati, Ohio. Refractory cements, refractory ramming mixes, refractory bricks and refractory blocks. 510,269, May 31; Serial No. 534,692, published Feb. 1, 1949. Class 12.

Tebbetts and Garland Store, The, by Hillman's, Inc., Chicago, Ill. Brandy, blended whiskey and straight whiskey, etc. 116,378, Apr. 24, 1917. Republished May 31. Class 49.

Tebbetts and Garland Store, The, by Hillman's, Inc., Chicago, Ill. Sarsaparilla, ginger ale, root beer, etc. 117,712, July 24, 1917. Republished May 31. Classes 45 and 46.

Tebbetts and Garland Store, The, by Hillman's, Inc., Chicago, Ill. Blend coffee. 117,791, July 31, 1917. Republished May 31. Class 46.

Tebbetts & Garland Store, The, by Hillman's, Inc., Chicago, Ill. Tea. 120,451, Feb. 5, 1918. Republished May 31. Class 46.

Tebbetts & Garland Store, The, by Hillman's, Inc., Chicago, Ill. Coffee. 120,452, Feb. 5, 1918. Republished May 31. Class 46.

Tebbetts & Garland Store, The, by Hillman's, Inc., Chicago, Ill. Prunes, dates, figs, raisins, etc. 120,453, Feb. 5, 1918. Republished May 31. Class 46.

Techkote Company, The, Inglewood, Calif. Chemical compounds. 510,374, May 31; Serial No. 547,579, published Feb. 22, 1949. Class 6.

Teracite Corporation, The, Scranton, Pa. Chemically processed board. 510,241, May 31; Serial No. 531,735, published Dec. 21, 1948. Class 12.

Texas Housing Company, Dallas, Tex. Prefabricated houses. 510,343, May 31; Serial No. 544,605, published Jan. 18, 1949. Class 12.

Thatcher Furnace Company, Garwood, N. J. Domestic coal, gas and oil fired heating furnaces, heating boilers, and air conditioners. 510,172, May 31; Serial No. 505,367, published Jan. 18, 1949. Class 34.

Thee Products Co., Denver, Colo. Scalp and hair lotions and oil shampoos. 510,274, May 31; Serial No. 535,272, published Feb. 15, 1949. Class 6.

Tile-Tex Company, The, Chicago Heights, Ill. Plastic wall tile. 510,288, May 31; Serial No. 537,635, published Jan. 18, 1949. Class 12.

Tissue Company, The, Saugerties, N. Y. Paper napkins. 236,673, Dec. 20, 1927. Republished May 31. Class 37.

Tomlinson Industries, Inc., Cleveland, Ohio. Preparation for general cleansing and purifying purposes. 510,294, May 31; Serial No. 538,574, published Jan. 11, 1949. Class 4.

Triangle Chemical Company, Macon, Ga. Soapless cleanser. 510,437, May 31; Serial No. 536,932, published Feb. 8, 1949. Class 4.

Triangle Publications, Inc., Philadelphia, Pa. Broadcasting facsimile editions of a newspaper. 507,084, Feb. 22, 1949. Corrected. O. G. May 31. Class 35.

Triangle Publications, Inc., Philadelphia, Pa. Broadcasting facsimile editions of a newspaper. 507,307, Mar. 1, 1949. Corrected. O. G. May 31. Class 35.

Tri-Sulex Corporation, Nashville, Tenn. Heat and sound insulating and protective materials for metals. 442,803, May 31; Serial No. 522,007, published Jan. 18, 1949. Class 12.

Troop Water Heater Company, Pittsburgh, Pa. Water heaters. 510,308, May 31; Serial No. 540,488, published July 20, 1948. Class 34.

Tropiano, Anthony, doing business as Enduro-Plastic Co., Port Chester, N. Y. Insulative and fireproof plastering, patching, moldable, and cementitious construction materials. 442,790, May 31; Serial No. 519,608, published Jan. 11, 1949. Class 12.

Tschuy-Vogt Watch Co., Grenchen, Switzerland. Watches and watch movements. 510,430, May 31; Serial No. 555,325, published Feb. 22, 1949. Class 27.

Tubbe Cordage Company, San Francisco, Calif. Ropes, cords, and twines. 439,380, July 6, 1948. Republished May 31. Class 7.

Tufcrete Company: *See*—
Schmid, Hubert E.

Turner Brass Works, The, Sycamore, Ill. Brass cocks, valves, elbows, etc. 77,497, Apr. 12, 1910. Republished May 31. Class 13.

Turner Brass Works, The, Sycamore, Ill. Gasolene-operated torches, blowpipes, and heaters, etc. 81,312, Mar. 21, 1911. Republished May 31. Class 34.

Turner Brass Works, The, Sycamore, Ill. Gasolene-operated torches. 85,526, Feb. 20, 1912. Republished May 31. Class 34.

Turner Mfg. Company, Chicago, Ill. Wall mirrors. 438,702, May 11, 1948. Republished May 31. Class 32.

Tyler Fixture Corporation, Niles, Mich. Commercial refrigerators. 510,184, May 31; Serial No. 516,875, published Jan. 11, 1949. Class 31.

Tyler Fixture Corporation, Niles, Mich. Refrigerators. 510,296, May 31; Serial No. 539,241, published Jan. 25, 1949. Class 31.

Uddo, F., & Sons, New Orleans, La. Bleach, disinfectant, deodorant, and cleanser. 370,563, Aug. 29, 1939. Republished May 31. Classes 4 and 6.

Union Bottling Company, Memphis, Tenn. Nonalcoholic maltless carbonated beverage. 419,785, Mar. 5, 1946. Republished May 31. Class 45.

Union Wire Rope Corporation, Tulsa, Okla., to Union Wire Rope Corporation, Kansas City, Mo. Wire rope and wire-rope cables and high carbon wire. 250,738, renewed Aug. 6, 1949. O. G. May 31. Class 7.

United Aircraft Products, Inc., Dayton, Ohio. Automatic cut-off valves. 442,757, May 31; Serial No. 479,501, published Feb. 8, 1949. Class 13.

United Distributors, Inc., Boston, Mass. Plastic wall tile and floor tile. 442,818, May 31; Serial No. 524,839, published Jan. 18, 1949. Class 12.

United Hoisting Co., Inc., Englewood, N. J. Hoists and concrete mixers. 237,280, Jan. 3, 1928. Republished May 31. Class 23.

United States Gypsum Company, Chicago, Ill. Plastic wall coverings in the nature of paint. 254,389, renewed Mar. 26, 1949. O. G. May 31. Class 16.

United States Gypsum Company, Chicago, Ill. Vegetable fiber hard board. 510,409, May 31; Serial No. 551,923, published Feb. 1, 1949. Class 12.

United States Lime Products Corporation, Los Angeles, Calif. Hydrated lime. 281,735, Mar. 24, 1931. Republished May 31. Class 12.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 510,321, May 31; Serial No. 541,224, published Feb. 1, 1949. Class 22.

United States Rubber Company, New York, N. Y. Flatstock of foam rubber. 510,380, May 31; Serial No. 548,201, published Feb. 22, 1949. Class 1.

Universal Laboratories, Inc., East Orange, N. J. Soaps. 510,418, May 31; Serial No. 553,792, published Feb. 1, 1949. Class 4.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Storage batteries. 235,436, renewed Apr. 23, 1949. O. G. May 31. Class 21.

Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets. 256,305, renewed May 14, 1949. O. G. May 31. Class 35.

Volt, W. J., Rubber Corp., Los Angeles, Calif. Athletic equipment. 510,267, May 31; Serial No. 534,492, published Jan. 11, 1949. Class 22.

Wabash Manufacturing Company, Chicago, Ill., assignee of Wabash Manufacturing Company. Powdered bronze filters. 510,164, May 31; Serial No. 493,634, published Jan. 25, 1949. Class 31.

Wagnia, I., & Co.: *See*—
Moss Stores, Inc.

Wallerstein Company, Inc., New York, N. Y. Preparations in dry powder form for use in the processing of textiles. 510,419, May 31; Serial No. 553,935, published Feb. 1, 1949. Class 6.

Wanamaker, John, Philadelphia: *See*—
Schmacker Piano Forte Manufacturing Co., The.

Wannemacher Mfg. Co.: *See*—
Wannemacher, William P.

Wannemacher, William P., doing business as Wannemacher Mfg. Co., Bloomington, Ill. Tinning liquid. 442,792, May 31; Serial No. 520,131, published Jan. 25, 1949. Class 6.

Ward, Samuel, Company, by Samuel Ward Manufacturing Company, Boston, Mass. Writing papers and envelopes. 82,540, July 4, 1911. Republished May 31. Class 37.

Ward, Samuel, Manufacturing Company, Boston, Mass. Writing papers and envelopes. 184,605, May 27, 1924. Republished May 31. Class 37.

Ward, Samuel, Manufacturing Company: *See*—
Ward, Samuel, Company.

Ware Shoals Manufacturing Company, Ware Shoals, S. C., by Riegel Textile Corporation, New York, N. Y. Cotton pillow-cases, cotton sheets, and cotton handkerchiefs. 240,781, Apr. 10, 1928. Republished May 31. Classes 39 and 42.

Ware Shoals Manufacturing Company, Ware Shoals, S. C., by Riegel Textile Corporation, New York, N. Y. Cotton pillow-cases and cotton sheets. 245,891, Aug. 28, 1928. Republished May 31. Class 42.

Warner, William R., & Co., Inc.: *See*—
Korée, Jean U.

Warner, William R., & Co., Inc., New York, N. Y. Antihistaminic preparations. 510,407, May 31; Serial No. 550,882, published Feb. 1, 1949. Class 6.

Warren Company Inc., The, Atlanta, Ga. Commercial refrigerators. 510,177, May 31; Serial No. 513,283, published Jan. 25, 1949. Class 31.

Warren Company, Inc., The, Atlanta, Ga. Commercial refrigerators. 510,178, May 31; Serial No. 513,483, published Jan. 23, 1949. Class 31.

Warren Company, Inc., The, Atlanta, Ga. Commercial refrigerators. 510,179, May 31; Serial No. 513,789, published Jan. 25, 1949. Class 31.

Washburn Crosby Company, assignor to General Mills, Inc., by General Mills, Inc., Minneapolis, Minn. Stock and poultry feed. 251,528, Jan. 8, 1929. Republished May 31. Class 46.

Webster, Warren, & Company, Camden, N. J. Plumbing and steam fitting supplies. 442,819, May 31; Serial No. 525,722, published Jan. 25, 1949. Class 13.

Wegner, Charles T., Jr., by The Jel Sert Company, Chicago, Ill. Flavored gelatine dessert mixture. 223,900, Feb. 15, 1927. Republished May 31. Class 46.

West Disinfecting Company, Long Island City, N. Y. Liquid soap, surgical soap, soap, etc. 510,422, May 31; Serial No. 554,458, published Jan. 18, 1949. Class 4.

Westall, Evelyn, doing business as Evelyn Westall Co., New York, N. Y. Perfumery. 422,300, July 16, 1946. Republished May 31. Class 6.

Westall, Evelyn, Co.: *See*—
Westall, Evelyn.

Western Pharmacal Company, Salt Lake City, Utah. Analgesic and antispasmodic tablet. 510,421, May 31; Serial No. 554,182, published Jan. 25, 1949. Class 6.

Western Tablet & Stationery Corporation: *See*—
Blair, J. C., Company.

White-Haines Optical Company, The, Columbus, Ohio. Ophthalmic lenses. 510,176, May 31; Serial No. 512,885, published Feb. 15, 1949. Class 26.

White-Rodgers Electric Company, St. Louis, Mo. Instruments and controls responsive to changes in physical conditions. 510,166, May 31; Serial No. 406,187, published Feb. 15, 1949. Class 26.

White Tar Company of New Jersey, Inc., The, Kearny, N. J., to Koppers Company, Inc., Pittsburgh, Pa. Compositions of matter in block, powder, or other form used as insecticides and deodorizers. 259,567, renewed July 30, 1949. O. G. May 31. Class 6.

Whitehall Pharmacal Company, assignor to Affiliated Products, Inc., now by change of name Whitehall Pharmacal Company, New York, N. Y. Counter-irritant salve or rub. 510,289, May 31; Serial No. 537,640, published Feb. 8, 1949. Class 6.

Whitehall Pharmacal Company, New York, N. Y. Mascara. 510,404, May 31; Serial No. 550,371, published Feb. 15, 1949. Class 6.

Whitehead Bros., Riverside, by C. W. Kircher, doing business as North Hollywood Egg Farms, North Hollywood, Calif. Eggs. 247,432, Sept. 25, 1928. Republished May 31. Class 46.

Whittet-Higgins Company, Providence, R. I. Lock nuts and lock washers. 442,798, May 31; Serial No. 521,101, published Feb. 15, 1949. Class 13.

Wilhelm, Warner F., doing business as Hiu Bru Company, Chicago, Ill. Preparation for the treatment of diarrhea. 510,284, May 31; Serial No. 530,880, published Jan. 18, 1949. Class 6.

Williams, Geo. L., Company, The, Cleveland, Ohio. Soap. 510,259, May 31; Serial No. 533,688, published Jan. 18, 1949. Class 4.

Wilson, Callete V., doing business as Cottie-Wilson Laboratories, North Hollywood, by E. C. Lients, Inc., Fillmore, Calif. Colloidal sulphur solution. 364,381, Jan. 31, 1939. Republished May 31. Class 6.

Wilson, Cottie, Laboratories: *See*—
Wilson, Callete V.

Wilson-Maeulen Co. Inc., by Wilson Mechanical Instrument Company, Inc., New York, N. Y. Hardness tester penetrators. 207,586, Jan. 3, 1926. Republished May 31. Class 26.

Wilson Mechanical Instrument Company, Inc.: *See*—
Wilson-Maeulen Co. Inc.

Wing Nien Soy Sauce Mfg. Co., San Francisco, Calif. Food flavoring powder. 442,789, May 31; Serial No. 510,110, published May 25, 1948. Class 46.

Winkenweder & Ladd, Inc., Chicago, Ill. Water solvent, dehydrating agent, rust inhibitor, corrosion inhibitor, etc. 510,217, May 31; Serial No. 529,328, published Feb. 8, 1949. Class 6.

Winthrop Chemical Company, Inc., to Winthrop-Stearns Inc., New York, N. Y. Chemicals, pharmaceutical products, and veterinary preparations. 261,030, renewed Sept. 3, 1949. O. G. May 31. Class 6.

Winthrop Chemical Company, Inc., assignor to Winthrop-Stearns Inc., New York, N. Y. Absorbent, alterative, and analgesic preparations. 510,261, May 31; Serial No. 534,216, published Feb. 22, 1949. Class 6.

Winthrop-Stearns Inc.: *See*—
Winthrop Chemical Company, Inc.

Witch Fire Lures, Madison, Wis. Fish lures. 442,771, May 31; Serial No. 510,292, published Jan. 11, 1949.

Wol Drug Company, Milwaukee, Wis. Cosmetic preparations. 442,782, May 31; Serial No. 517,028, published Feb. 8, 1949. Class 6.

Wolsey Limited, Leicester, England. Stockings, socks, hose, etc. 442,813, May 31; Serial No. 524,364, published Jan. 18, 1949. Class 39.

Wolsey Limited, Leicester, England. Stockings, socks, hose, dress, negligee, and work shirts, etc. 442,814–15, May 31; Serial Nos. 524,366–7, published Jan. 25, 1949. Class 39.

Wood, John, Manufacturing Company, Inc., Conshohocken and Philadelphia, Pa., and Chicago, Ill. Range boilers, gas water heaters, expansion tanks, etc. 510,396, May 31; Serial No. 540,401, published Feb. 8, 1949. Class 34.

Wood, John, Manufacturing Company, Inc., Conshohocken and Philadelphia, Pa., and Chicago, Ill. Gas water heaters and combination boilers. 510,397, May 31; Serial No. 540,402, published Jan. 25, 1949. Class 34.

Workman Packing Company, San Francisco, Calif. Chicken tamale, chili con carne, enchiladas, etc. 259,805, renewed Aug. 6, 1949. O. G. May 31. Class 46.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. 510,205, May 31; Serial No. 527,858, published Jan. 11, 1949. Class 22.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Detergent compound. 510,314, May 31; Serial No. 540,954, published Feb. 1, 1949. Class 4.

Wyeth Incorporated, Philadelphia, Pa. Allergens, antibiotics, vitamin B-complex, etc. 510,277, May 31; Serial No. 536,208, published Feb. 8, 1949. Class 6.

Yankee Polish Co. Inc.: *See*—
Grasiadet, Leonardo.

Yankee Polish Co. Inc., New York, N. Y. Dry cleaner. 268,770, Mar. 18, 1930. Republished May 31. Class 4.

Yankee Polish Co. Inc., New York, N. Y. Shoe blacking, shoe dressing, shoe polish, and polish for all leather goods. 311,231, Mar. 20, 1934. Republished May 31. Class 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bentonite. Black Hills Bentonite, Inc. 510,394–5, May 31; Serial No. 549,114–5, published Feb. 22, 1949.

Coal. Ayrshire Collieries Corporation. 510,376, May 31; Serial No. 547,689, published Feb. 8, 1949.

Coal. The Cleveland-Cliffs Iron Company. 510,372, May 31; Serial No. 547,234, published Feb. 8, 1949.

Coal. The Philadelphia and Reading Coal and Iron Company. 510,451, May 31; Serial No. 563,980, published Feb. 22, 1949.

Coal. The Sunday Creek Coal Company. 510,270, May 31; Serial No. 534,938, published Feb. 8, 1949.

Coal, Bituminous. Blackwood Coal and Coke Company. 257,006, renewed May 28, 1949. O. G. May 31.

Fibers, Artificial. Algemeene Kunstzijde Unie, N. V. 442,812, May 31; Serial No. 524,036, published July 13, 1949.

Fibre, Staple. Courtaulds, Limited. 510,327, May 31; Serial No. 541,648, published Feb. 1, 1949.

Fibres, Cotton and rayon. Joseph Bancroft & Sons Co. 510,218, May 31; Serial No. 529,347, published Feb. 1, 1949.

Foam rubber, Flatstock of. United States Rubber Company. 510,380, May 31; Serial No. 548,201, published Feb. 22, 1949.

Foam rubber, Shredded. Century Fabrics Company, Inc. 510,322, May 31; Serial No. 541,260, published Feb. 1, 1949.

Fuller's earth. Floridin Company. 510,366, May 31; Serial No. 546,844, published Feb. 8, 1949.

Furs and skins. Kirsch Herske, Inc. 442,811, May 31; Serial No. 523,783, published Feb. 15, 1949.

Hops and lupulin. E. Clemens Horst Co. 438,105, Apr. 6, 1948. Republished May 31.

Laminated phenolic condensation products. Synthane Corporation. 261,841, Sept. 24, 1929. Republished May 31.

Leather. Lees & McVitty, Inc. 510,386, May 31; Serial No. 548,660, published Feb. 22, 1949.

Leather for shoe soles. J. Greenebaum Tanning Co. 510,216, May 31; Serial No. 529,054, published Feb. 1, 1949.

Leather in the piece, Tanned. Lees & McVitty, Inc. 510,368, May 31; Serial No. 547,131, published Feb. 8, 1949.

Leather, Sole. Eberle Tanning Company. 510,361–3, May 31; Serial Nos. 546,831–3, published Feb. 8, 1949.

Leather, Sole. Eberle Tanning Company. 510,364, May 31; Serial No. 546,835, published Feb. 8, 1949.

Leather, Sole. Eberle Tanning Company. 510,365, May 31; Serial No. 546,837, published Feb. 8, 1949.

Leather, Upper. Beggs & Cobb, Incorporated. 429,817–18, May 20, 1947. Republished May 31.

Leather, Upper. Beggs & Cobb, Incorporated. 429,826, May 20, 1947. Republished May 31.

Leathers, Heavy tanned. S. H. Frank & Co. 60,760, renewed Feb. 19, 1947. O. G. May 31.

Plastic composition, Synthetic resinous. The Harwid Company. 510,222, May 31; Serial No. 529,461, published Feb. 1, 1949.

Plastic materials, Resinous, thermoplastic materials. St. Regis Paper Company. 442,817, May 31; Serial No. 524,625, published Feb. 1, 1949.

Plastic members formed by extrusion in the form of rigid or semi-rigid sheets, rods, bars, etc. American Extruded Products Co. 510,170, May 31; Serial No. 503,543, published Feb. 22, 1949.

Resins, Petroleum oil. Shell Oil Company, Incorporated. 379,560, July 16, 1940. Republished May 31.

Seed, Lawn and grass. W. G. Scarlett. 229,379, June 28, 1927. Republished May 31.

Seeds, Clover, grass, field, and forage. W. G. Scarlett. 189,943, Sept. 30, 1924. Republished May 31.

Seeds, Field. W. G. Scarlett. 399,472, Jan. 12, 1943. Republished May 31.

Seeds, Field. Sphar & Company. 510,383, May 31; Serial No. 548,614, published Feb. 22, 1949.

Seeds, Field, garden, and flower. Farmer Seed & Nursery Co. 260,442, renewed Aug. 27, 1949. O. G. May 31.

Seeds, Grass and field. W. G. Scarlett. 226,939–41, Apr. 26, 1927. Republished May 31.

Seeds, Grass and field. W. G. Scarlett. 226,946, Apr. 26, 1927. Republished May 31.

Seeds, Grass and field. W. G. Scarlett. 227,115, Apr. 26, 1927. Republished May 31.

Seeds, Grass and field. W. G. Scarlett. 234,405, Oct. 25, 1927. Republished May 31.

Sponges. Gulf & West Indies Co., Inc. 510,379, May 31; Serial No. 547,991, published Feb. 22, 1949.

Wood pulp. Consolidated Paper Corporation Limited. 442,616, May 31; Serial No. 524,524, published Feb. 15, 1949.

Wood pulp. Gottesman & Company, Incorporated. 510,377, May 31; Serial No. 547,849, published Feb. 8, 1949.

CLASS 2

Boxes, cartons, and containers, Folding paper. Brown & Bailey Company. 206,047, Nov. 24, 1925. Republished May 31.

Cases and cartons, Corrugated and solid fibre shipping. River Raisin Paper Company. 425,725, Dec. 3, 1946. Republished May 31.

Cylinders, Metal gas. The Marison Company. 412,069, Apr. 3, 1945. Republished May 31.

CLASS 3

Animal equipment. The Buchelmer Company. 255,933, renewed Apr. 30, 1949. O. G. May 31.

CLASS 4

Abrasive wads or pads of knitted metallic fabric. Metal Textile Corporation. 510,341, May 31; Serial No. 543,824, published Jan. 11, 1949.

Balls of synthetic rubber or other resilient material. R. J. S. Carter. 510,192, May 31; Serial No. 521,621, published Jan. 18, 1949.

Blacking, Shoe, shoe dressing, shoe polish and polish for all leather goods. Yankee Polish Co. Inc. 311,231, Mar. 20, 1934. Republished May 31.

Bleach, disinfectant, deodorant, and cleanser. F. Uddo & Sons. 370,563, Aug. 29, 1939. Republished May 31.
Calcined alumina material. General Abrasive Company, Inc. 510,426, May 31; Serial No. 554,893, published Jan. 18, 1949.
Cleanser. A. W. Moeller. 442,754, May 31; Serial No. 463,933, published Feb. 1, 1949.
Cleanser, cleanser and detergent, Sudsing. The Hewitt Soap Company, Inc. 510,207, May 31; Serial No. 528,042, published Jan. 18, 1949.
Cleaner, Dry. The Mystic Foam Corporation. 442,787, May 31; Serial No. 518,553, published Jan. 18, 1949.
Cleaner, Dry. Yankee Polish Co. Inc. 268,770, Mar. 18, 1930. Republished May 31.
Cleaner, Eyeglass. L. M. Pohlmann. 510,375, May 31; Serial No. 547,656, published Feb. 8, 1949.
Cleaner, Liquid, synthetic enamel cleaner and cleaning material, etc. Rinshed-Mason Company. 442,785, May 31; Serial No. 517,668, published Feb. 1, 1949.
Cleaner, Spot, and all surface cleaner. Meyer Brothers. 510,357, May 31; Serial No. 546,309, published Jan. 25, 1949.
Cleaner, Waterless hand. S. M. Lederman. 510,433, May 31; Serial No. 555,682, published Jan. 25, 1949.
Cleaning composition. Monsanto Chemical Company. 510,449, May 31; Serial No. 563,077, published Jan. 11, 1949.
Cleaning composition. The Pennsylvania Salt Manufacturing Company. 442,799, May 31; Serial No. 521,400, published Feb. 8, 1949.
Cleaning composition. The Pennsylvania Salt Manufacturing Company. 442,800, May 31; Serial No. 521,401, published Feb. 8, 1949.
Cleaning compounds and solvents. J. M. Bash. 442,764, May 31; Serial No. 506,154, published Feb. 8, 1949.
Cleaning fluid, Chemical. Hysan Products Company. 510,448, May 31; Serial No. 562,061, published Feb. 1, 1949.
Cleaning fluid, Hydrocarbon. Standard Oil Company. 263,627, renewed Mar. 5, 1949. O. G. May 31.
Cleaning preparation for general use. Miami Products and Chemical Company. 442,765, May 31; Serial No. 506,886, published June 10, 1947.
Cleanser, Soapless. Triangle Chemical Company. 510,437, May 31; Serial No. 556,932, published Feb. 8, 1949.
Cleansing compound, abrasive files and stones. Eastern States Farmers' Exchange. 510,408, May 31; Serial No. 551,258, published Jan. 11, 1949.
Detergent compositions, Synthetic. Monsanto Chemical Company. 510,428, May 31; Serial No. 554,915, published Jan. 25, 1949.
Detergent compound. Wyandotte Chemicals Corporation. 510,314, May 31; Serial No. 540,954, published Feb. 1, 1949.
Detergent in liquid form. International Rustproof Corporation. 510,303, May 31; Serial No. 540,074, published Feb. 8, 1949.
Detergents, Synthetic. Pacific Coast Borax Company. 510,193, May 31; Serial No. 521,819, published May 18, 1948.
Dishwashing compound. Economics Laboratory, Inc. 510,293, May 31; Serial No. 538,384, published Jan. 18, 1949.
Dressing and polishes, Leather. L. Graziadei. 72,713, Feb. 16, 1909. Republished May 31.
Glass, or watergiass used as detergents, Water soluble. Economics Laboratory, Inc. 442,804, May 31; Serial No. 522,563, published Feb. 1, 1949.
Kits, Sanding. Rockwell Manufacturing Company. 510,264, May 31; Serial No. 534,348, published Feb. 1, 1949.
Kits, Sanding. Rockwell Manufacturing Company. 510,265, May 31; Serial No. 534,353, published Feb. 1, 1949.
Liquid in which dental instruments are bathed for cleansing the same. The Cleveland Dental Manufacturing Company. 510,248, May 31; Serial No. 532,391, published Jan. 18, 1949.
Polish, Stove. Armstrong Paint & Varnish Works. 510,298-9, May 31; Serial Nos. 539,620-1, published Jan. 18, 1949.
Polishes, Silver and metal. French Veneer Manufacturing Co., Inc. 442,776, May 31; Serial No. 514,413, published Jan. 18, 1949.
Preparation for general cleansing and purifying purposes. Tomlinson Industries, Inc. 510,294, May 31; Serial No. 538,574, published Jan. 11, 1949.
Preparation for the removal of stains from fabrics. Takamine Laboratory, Inc. 510,434, May 31; Serial No. 555,782, published Feb. 1, 1949.
Shaving cream. Fairy Dyes Ltd. 442,794, May 31; Serial No. 520,502, published Jan. 25, 1949.
Soap. Armstrong Grocery Company. 438,263, Apr. 13, 1948. Republished May 31.
Soap. A. L. Jimenez. 510,333, May 31; Serial No. 542,320, published Feb. 1, 1949.
Soap. G. J. Le Blanc. 442,769, May 31; Serial No. 509,990, published Jan. 18, 1949.
Soap. The Geo. L. Williams Company. 510,259, May 31; Serial No. 533,688, published Jan. 18, 1949.
Soap, Concentrated. Sugar Beet Products Company, Inc. 510,183, May 31; Serial No. 516,585, published Feb. 15, 1949.
Soap, Flea. Polk Miller Products Corporation. 510,446, May 31; Serial No. 560,916, published Jan. 11, 1949.
Soap, Granular. Overton Chemical Company. 510,174, May 31; Serial No. 510,973, published Jan. 11, 1949.
Soap, Liquid, surgical soap, soap, etc. West Disinfecting Company. 510,422, May 31; Serial No. 554,458, published Jan. 18, 1949.
Soap, Toilet. Morton Manufacturing Corporation. 510,348, May 31; Serial No. 544,751, published Feb. 1, 1949.
Soaps. Universal Laboratories, Inc. 510,418, May 31; Serial No. 553,792, published Feb. 1, 1949.
Soaps, shaving creams, and shaving powders. Perfumeria Floralia, S. A. 510,400, May 31; Serial No. 549,838, published Jan. 11, 1949.
Toilet preparation. Dr. Pray J. Parker Company. 33,350, re-renewed Aug. 15, 1949. O. G. May 31.
Washes, Powdered car, non-alkaline auto washes, prepolishing cleansers, etc. John T. Stanley Company, Inc. 510,359, May 31; Serial No. 546,330, published Feb. 8, 1949.

CLASS 5

Adhesive, Vegetable derivative. A. E. Staley Manufacturing Company. 510,353, May 31; Serial No. 545,783, published Feb. 15, 1949.
Glue. National Starch Products, Inc. 510,336, May 31; Serial No. 542,480, published Feb. 8, 1949.
Tape, Gummed. Mid-States Gummed Paper Co. 510,339, May 31; Serial No. 543,367, published Feb. 8, 1949.
Tape, Gummed paper, and gummed cloth tape. General Gummed Products, Inc. 510,431, May 31; Serial No. 555,498, published Feb. 15, 1949.
Tape, Plain adhesive paper. E. K. Krakaur. 510,243, May 31; Serial No. 531,809, published Dec. 28, 1948.
Tapes, Normally tacky and pressure-sensitive adhesive. Industrial Tape Corporation. 510,163, May 31; Serial No. 493,124, published Feb. 8, 1949.

CLASS 6

Absorbent, alterative, and analgesic preparations. Winthrop Chemical Company, Inc. 510,261, May 31; Serial No. 534,216, published Feb. 22, 1949.
Agents, Surface active. Pacific Chemical Company. 510,200, May 31; Serial No. 524,077, published Feb. 1, 1949.
Alcohol, Amyl. The Sharplee Solvents Corporation. 255,152, renewed Apr. 16, 1949. O. G. May 31.
Allergens, antibiotics, vitamin B-complex, etc. Wyeth Incorporated. 510,277, May 31; Serial No. 530,208, published Feb. 8, 1949.
Analgesic and antispasmodic tablets. Western Pharmacal Company. 510,421, May 31; Serial No. 554,182, published Jan. 25, 1949.
Anaesthetic, Topical. Dixie Laboratories, Inc. 434,440, Nov. 18, 1947. Republished May 31.
Anti-acid effervescent preparations. Miles Laboratories, Inc. 510,330, May 31; Serial No. 541,949, published Feb. 1, 1949.
Anti-freeze solutions. Shell Oil Company, Incorporated. 375,560, Feb. 20, 1940. Republished May 31.
Anti-histaminic preparations. William R. Warner & Co., Inc. 510,407, May 31; Serial No. 550,882, published Feb. 1, 1949.
Aspirin tablets. O. H. Brown Specialty Co. 510,429, May 31; Serial No. 555,140; published Feb. 22, 1949.
Astringent preparation, Cosmetic. A. Miller. 510,432, May 31; Serial No. 555,551, published Feb. 1, 1949.
Bath salts, toilet water, talcum powder, etc. Elizabeth Arden Sales Corporation. 510,355, May 31; Serial No. 545,936, published Feb. 22, 1949.
Bicarbonate of soda. Church & Dwight Co., Inc. 257,950, renewed June 25, 1949. O. G. May 31.
Bicarbonate of soda, baking soda, sal soda, etc. Church & Dwight Co., Inc. 257,768, renewed June 18, 1949. O. G. May 31.
Bleach, disinfectant, deodorant, and cleanser. F. Uddo & Sons. 370,563, Aug. 29, 1939. Republished May 31.
Chemical compounds. The Teehkote Company. 510,374, May 31; Serial No. 547,579, published Feb. 22, 1949.
Chemical compounds having water-softening qualities. Oakite Products, Inc. 510,387, May 31; Serial No. 546,674, published Feb. 22, 1949.
Chemical preparation. American Chemical Paint Company. 510,191, May 31; Serial No. 521,423, published Feb. 1, 1949.
Chemicals. Keuffel & Esser Company. 510,425, May 31; Serial No. 554,797, published Feb. 15, 1949.
Chemicals, pharmaceutical products, and veterinary preparations. Winthrop Chemical Company, Inc. 261,030, renewed Sept. 3, 1949. O. G. May 31.
Chemicals, Photographic. Sears, Roebuck and Co. 510,349, May 31; Serial No. 544,776, published Feb. 8, 1949.
Cleansing preparations, Dry alkaline. MacDermid Incorporated. 510,390, May 31; Serial No. 548,975, published Dec. 28, 1948.
Cola tablets. Standard Pharmaceutical Co., Inc. 510,382, May 31; Serial No. 548,425, published Feb. 1, 1949.
Colloidal sulphur solution. C. V. Wilson. 384,881, Jan. 31, 1939. Republished May 31.
Cologne; hand, face, and skin lotions; after-shaving lotion; etc. Perfumeria Floralia, S. A. 510,401, May 31; Serial No. 549,839, published Feb. 22, 1949.

Compositions of matter in block, powder, or other form used as insecticides and deodorizers. The White Tar Company of New Jersey, Inc. 259,567, renewed July 30, 1949. O. G. May 31.
Coolant, Antifreeze. Prairie States Oil & Grease Company. 510,440, May 31; Serial No. 559,245, published Feb. 22, 1949.
Corn starch for laundry purposes. Corn Products Refining Company. 442,765, May 31; Serial No. 509,975, published Feb. 15, 1949.
Cosmetic cream. National Toilet Company. 44,716, July 18, 1905. Republished May 31.
Cosmetic preparations. Sunclyme House, Inc. 343,858, Mar. 9, 1937. Republished May 31.
Cosmetic preparations. Wal Drug Company. 442,782, May 31; Serial No. 517,028, published Feb. 8, 1949.
Cosmetics. Mortan Manufacturing Corporation. 510,171, May 31; Serial No. 504,921, published Feb. 8, 1949.
Cosmetics. E. Norris. 510,462, May 31; Serial No. 521,271.
Cosmetics. Dr. J. Parker Pray Company. 33,358, renewed Aug. 15, 1949. O. G. May 31.
Cough syrup, nasal drops, rectal suppositories, etc. E. D. Hilgrinbotham. 510,268, May 31; Serial No. 534,532, published July 13, 1948.
Creams and oils for beautifying the skin. Lancôme S. A. 510,196, May 31; Serial No. 522,143, published Feb. 22, 1949.
Creams and oils for beautifying the skin, All kinds of beauty. Lancôme S. A. 510,197, May 31; Serial No. 622,146, published Feb. 8, 1949.
Depilatory in powder form. Morehouse Manufacturing Company. 510,244, May 31; Serial No. 531,931, published July 27, 1948.
Developer, Photograph. Mallinckrodt Chemical Works. 510,398, May 31; Serial No. 522,519, published Jan. 25, 1949.
Disinfectants and insecticides. H. J. Brownstein. 806,672, Sept. 26, 1933. Republished May 31.
Dyestuffs. Geigy Company, Inc. 510,252, May 31; Serial No. 533,159, published Feb. 22, 1949.
Dyestuffs. National Aniline & Chemical Company, Incorporated. 144,874-6, July 19, 1921. Republished May 31.
Dyestuffs, Coal tar. H. P. Rossiger & Co., Inc. 510,443, May 31; Serial No. 559,736, published Feb. 8, 1949.
Emulsifiers. Griffin Chemical Company. 510,242, May 31; Serial No. 531,791, published Feb. 1, 1949.
Esters, Substantially saturated fatty acid. The Baker Castor Oil Company. 442,796, May 31; Serial No. 520,677, published Jan. 18, 1949.
Estrogenic compound. Ciba Pharmaceutical Products, Inc. 510,445, May 31; Serial No. 560,448, published Feb. 22, 1949.
Exterminating powder, Rat. The Rat Biscuit Company. 439,042, June 1, 1948. Republished May 31.
Face and body powders, face cream, toilet water, etc. Helena Rubinstein, Inc. 510,457, May 31; Serial No. 503,943.
Face cream and hair lotion. M. Mahiques. 510,438, May 31; Serial No. 537,197, published Feb. 22, 1949.
Face powder. National Toilet Company. 44,715, July 18, 1905. Republished May 31.
Face powder, rouge, lipstick, etc. John L. Michael, Inc. 510,427, May 31; Serial No. 554,905, published Feb. 1, 1949.
Face powders, bleach cream, tissue and wrinkle cream, etc. National Toilet Company. 215,149, July 13, 1920. Republished May 31.
Facial and hand creams, skin lotion, etc. Howe-Lewis, Inc. 510,373, May 31; Serial No. 547,454, published Jan. 18, 1949.
Finger-nail polishes. Dr. J. Parker Pray Company. 33,357, re-renewed Aug. 15, 1949. O. G. May 31.
Flotation oils, pine oils, and pine tar oil. The Glidden Company. 510,439, May 31; Serial No. 538,135, published Feb. 22, 1949.
Foundations for facial use, Liquid and cream. Elizabeth Arden Sales Corporation. 510,405, May 31; Serial No. 550,766, published Feb. 22, 1949.
Fungicidal compound. Sequoia Products Company. 510,273, May 31; Serial No. 535,264, published Jan. 11, 1949.
Gas in portable tanks. Roxana Petroleum Corporation. 253,361, Feb. 26, 1929. Republished May 31.
Gel catalyst in spheroidal form. The Davison Chemical Corporation. 510,226, May 31; Serial No. 529,970, published Jan. 18, 1949.
Gel catalyst, Magnesia-silica. The Davison Chemical Corporation. 510,227, May 31; Serial No. 529,969, published Jan. 18, 1949.
Germicide. Economics Laboratory, Inc. 442,805, May 31; Serial No. 522,564, published Sept. 9, 1947.
Hair and scalp conditioner, Liquid. N. Bindillo. 510,389, May 31; Serial No. 548,915, published Feb. 22, 1949.
Insecticide, Scented. Koppers Company, Inc. 442,756, May 31; Serial No. 477,934, published Dec. 11, 1945.
Insecticides. O-Cedar Corp'n. 510,328, May 31; Serial No. 541,765, published Feb. 1, 1949.
Insecticides. The Pennsylvania Salt Manufacturing Company. 510,399, May 31; Serial No. 549,657, published Feb. 22, 1949.
Laxative, Alterative. J. C. Mendenhall Medicine Co., Incorporated. 510,367, May 31; Serial No. 547,012, published Feb. 22, 1949.
Liniment. W. Kalleta. 424,754, Oct. 22, 1946. Republished May 31.
Lotion. H. Clay Glover Co., Inc. 510,456, May 31; Serial No. 500,301.
Lotion, After-shaving. Florian, Inc. 269,325 Apr. 1, 1930. Republished May 31.
Lotion for the hair. A. C. Hynd Corp. 510,223-4, May 31; Serial No. 529,649-50, published Feb. 1, 1949.
Lotions, Scalp and hair, and oil shampoos. Thee Products Co. 510,274, May 31; Serial No. 535,272, published Feb. 15, 1949.
Mascara. Whitehall Pharmacal Company. 510,404, May 31; Serial No. 550,371, published Feb. 15, 1949.
Medical preparation. Gelky Company, Inc. 442,807, May 31; Serial No. 522,779, published Feb. 1, 1949.
Medicinal oil. National Remedy Company, Inc. 510,354, May 31; Serial No. 545,874, published Jan. 18, 1949.
Medicinal preparation. Bengué Inc. 510,378, May 31; Serial No. 547,888, published Feb. 1, 1949.
Medicinal preparation. A. Doxakis. 249,128, Nov. 6, 1928. Republished May 31.
Medicinal preparation. J. U. Korée. 510,311, May 31; Serial No. 540,757, published Feb. 8, 1949.
Medicinal preparation. Lincoln Laboratories, Incorporated. 442,773, May 31; Serial No. 511,333, published Jan. 25, 1949.
Medicinal preparation. Lincoln Laboratories, Incorporated. 442,774, May 31; Serial No. 511,342, published Jan. 11, 1949.
Medicinal preparations. The Norwich Pharmacal Company. 257,956, renewed June 25, 1949. O. G. May 31.
Medicines. Consolidated Royal Chemical Corporation. 510,350, May 31; Serial No. 544,977, published Feb. 22, 1949.
Mineral oil, Medicinal white, rubbing alcohol, citrate of magnesia, etc. San Antonio Drug Company. 510,403, May 31; Serial No. 550,173, published Feb. 1, 1949.
Mineral waters. French Lick Springs Hotel Co. 47,745-50, Nov. 21, 1905. Republished May 31.
Mineral waters. French Lick Springs Hotel Co. 47,879, Nov. 28, 1905. Republished May 31.
Mouthwash, Astringent. Kata Drug Company. 409,934, Oct. 31, 1944. Corrected. O. G. May 31.
Ointment, Athlete's foot. G. D. Stanley. 510,416, May 31; Serial No. 553,646, published Feb. 1, 1949.
Ointment, Zinc paste sulphur, Whitfield ointment, etc. Royal Pharmacal Corporation. 510,266, May 31; Serial No. 534,369, published Aug. 17, 1948.
Organic chemicals, Synthetic. Rohm & Haas Company. 510,441, May 31; Serial No. 559,325, published Feb. 22, 1949.
Organic material, Quaternary. Sun Chemical Corporation. 442,778, May 31; Serial No. 515,138, published Jan. 25, 1949.
Perfume. J. W. Simoneau. 442,802, May 31; Serial No. 521,693, published Feb. 1, 1949.
Perfume, cologne, lipstick, face powder, etc. Kay Daumit, Inc. 442,766, May 31; Serial No. 508,420, published Jan. 6, 1948.
Perfume, toilet water, face powder, etc. Houbigant, Inc. 510,282, May 31; Serial No. 536,606, published Feb. 8, 1949.
Perfumery. E. Westall. 422,300, July 16, 1946. Republished May 31.
Perfumes, toilet waters, eau de colognes, etc. Parfums Charbert, Inc. 510,435, May 31; Serial No. 556,467, published Feb. 22, 1949.
Powder to dissolve in internal douche to facilitate concention. Maternal Health Products, Inc. 261,041, renewed Sept. 3, 1949. O. G. May 31.
Preparation for athlete's foot, Foot. I. Simon. 442,755, May 31; Serial No. 466,746, published July 11, 1944.
Preparation for the care of sore, inflamed, and bleeding gums. L. Salazar. 510,240, May 31; Serial No. 531,724, published July 6, 1948.
Preparation for the treatment of dermatophytosis, eczema, simple ringworm, etc. 442,777, May 31; Serial No. 514,606, published Feb. 1, 1949.
Preparation for the treatment of diarrhea. W. F. Wilhelm. 510,234, May 31; Serial No. 530,880, published Jan. 18, 1949.
Preparation for use in the treatment of hypertension. The Paul Plesmer Company. 510,410, May 31; Serial No. 552,005, published Feb. 22, 1949.
Preparation in liquid form used for embellishing and improving the appearance of the skin. Coty, Inc. 259,706, renewed Aug. 6, 1949. O. G. May 31.
Preparations in dry powder form for use in the processing of textiles. Wallerstein Company, Inc. 510,419, May 31; Serial No. 553,935, published Feb. 1, 1949.
Purifiers, Air. No-Oda Products Co. 442,795, May 31; Serial No. 520,565, published June 8, 1948.
Rat paste. Bell Chemical Co. 510,352, May 31; Serial No. 545,327, published Feb. 22, 1949.
Refreshant, Skin, and emollient for massage. American Hospital Supply Corporation. 510,454, May 31; Serial No. 489,307.
Remedy for the treatment of eczema, tetter, ringworm, etc. Cawthon-Coleman Company. 72,480, re-renewed Jan. 26, 1949. O. G. May 31.

Resins, Ion exchange. The Dow Chemical Company. 510,450, May 31; Serial No. 363,245, published Feb. 22, 1949.
Sal soda. Church & Dwight Co., Inc. 257,600, renewed June 11, 1949. O. G. May 31.
Salts for the treatment of ferrous metal surfaces. Alrose Chemical Company. 347,284, June 22, 1937. Republished May 31.
Salve or rub, Counter-irritant. Whitehall Pharmacal Company. 510,289, May 31; Serial No. 537,640, published Feb. 8, 1949.
Scalp preparation, Liquid. P. Bell. 442,782, May 31; Serial No. 505,332, published June 10, 1947.
Shampoo in cream form. Bonne Bell, Inc. 510,290, May 31; Serial No. 537,807, published Sept. 28, 1948.
Silicate of soda. Philadelphia Quartz Company. 510,420, May 31; Serial No. 554,140, published Feb. 1, 1949.
Soda, Caustic. Bray Chemical Co. 510,417, May 31; Serial No. 553,869, published Feb. 1, 1949.
Soldering fluid. C. J. Johnson. 230,731, Aug. 2, 1927. Republished May 31.
Solvent, Water, dehydrating agent, rust inhibitor, corrosion inhibitor, etc. Winkenweder & Ladd, Inc. 510,217, May 31; Serial No. 529,328, published Feb. 8, 1949.
Spirits for filling pocket cigarette and cigar lighters. Peoples Drug Stores, Inc. 253,125, Feb. 19, 1929. Republished May 31.
Sweeteners, Artificial, guaiacol carbonates, creosote carbonates, etc. The Heyden Chemical Works. 72,247, re-renewed Jan. 12, 1949. O. G. May 31.
Syrup against coughs, bronchitis, asthma, etc. J. Fougerat. 32,888, re-renewed May 16, 1949. O. G. May 31.
Thiosulfate fixing bath compositions, Ammonium. Mallinckrodt Chemical Works. 510,199, May 31; Serial No. 522,524, published Feb. 15, 1949.
Tinning liquid. W. P. Wannemacher. 442,792, May 31; Serial No. 520,131, published Jan. 25, 1949.
Toilet powder, Antiseptic. The Specialty Products Company. 510,250, May 31; Serial No. 532,520, published Feb. 22, 1949.
Toilet preparation. Dr. J. Parker Pray Company. 33,359, re-renewed Aug. 15, 1949. O. G. May 31.
Toilet preparation for the purpose of cleansing the scalp, and hair, etc., Perfumed. McKesson & Robbins, Incorporated. 442,752, May 31; Serial No. 456,127, published Apr. 27, 1943.
Toilet water and talcum and sachet powder. Lenthéric Incorporated. 510,444, May 31; Serial No. 560,417, published Feb. 1, 1949.
Tonic. Chicago Pharmacal Company. 339,590, Oct. 13, 1936. Republished May 31.
Toothache-drops, sore throat, cold-cream, tooth paste, etc. American Drug & Press Association. 104,024, June 29, 1915. Republished May 31.
Vanishing cream, cleansing cream, deodorant cream, etc. National Toilet Company. 207,819, Jan. 12, 1926. Republished May 31.
Viscous liquids. Nonoily. American Air Filter Company, Inc. 510,447, May 31; Serial No. 562,005, published Feb. 22, 1949.
Vitamin adjutant preparation in table form. Hengue & Co. Ltd. 510,381, May 31; Serial No. 548,233, published Feb. 22, 1949.
Weed killer and insecticide. Conk Chemical Company. 442,767, May 31; Serial No. 509,973, published Feb. 8, 1949.
Wetting agent, Photographic. Eastman Kodak Company. 442,760, May 31; Serial No. 497,470, published Feb. 15, 1949.

CLASS 7

Rope and twine, Fibrous and textile. Plymouth Cordage Company. 54,721, June 26, 1906. Republished May 31.
Rope and twine, Fibrous and textile. Plymouth Cordage Company. 92,577, July 15, 1913. Republished May 31.
Rope and twine, Fibrous and textile. Plymouth Cordage Company. 95,144, Feb. 3, 1914. Republished May 31.
Rope, Wire, and wire-rope cables and high carbon wire. Union Wire Rope Corporation. 250,738, renewed Aug. 6, 1949. O. G. May 31.
Ropes, cords and twines. Tubbs Cordage Company. 439,580, July 6, 1948. Republished May 31.
Twine, Binder. Plymouth Cordage Company. 251,310, Jan. 1, 1929. Republished May 31.
Twine, Binder. Plymouth Cordage Company. 430,291, June 10, 1947. Republished May 31.

CLASS 8

Lighters, Pyrophoric pocket and desk-type. The Napier Company. 510,312, May 31; Serial No. 540,853, published Jan. 18, 1949.
Lighters, Pyrophoric pocket cigar. Henry Lederer & Bro. Inc. 234,334, Oct. 25, 1927. Republished May 31.
Pouches, Tobacco, cigar, cigarette, and pipe cases, etc. Rogers Imports Inc. 510,189, May 31; Serial No. 502,717, published Jan. 25, 1949.

CLASS 9

Matches. Armstrong Grocery Company. 436,516, Feb. 10, 1948. Republished May 31.

CLASS 10

Fertiliser. F. S. Royster Guano Co. 259,254, renewed July 30, 1949. O. G. May 31.
Fertilizers. The Pacific Guano & Fertilizer Co. 96,329, Apr. 14, 1914. Republished May 31.

CLASS 11

Ink and ink pads, Duplicating. A. B. Dick Company. 510,442, May 31; Serial No. 550,661, published Feb. 15, 1949.
Ink, Printing. Sun Chemical Corporation. 510,369, May 31; Serial No. 547,173, published Feb. 1, 1949.
Ink, Printing. Sun Chemical Corporation. 510,370, May 31; Serial No. 547,181, published Feb. 1, 1949.
Ink, Printing. Sun Chemical Corporation. 510,371, May 31; Serial No. 547,180, published Feb. 1, 1949.
Pads, Stamp, and rubber stamp ink. Fulton Specialty Co. 510,253, May 31; Serial No. 533,299, published Feb. 8, 1949.

CLASS 12

Aggregate, Dry, ready to mix with water to form a plastic heat insulating material. Pilbrico Jointless Firebrick Company. 510,413, May 31; Serial No. 552,877, published Feb. 15, 1949.
Board, Chemically processed. The Teracite Corporation. 510,241, May 31; Serial No. 531,738, published Dec. 21, 1948.
Board, Vegetable fiber hard. United States Gypsum Company. 510,409, May 31; Serial No. 551,923, published Feb. 1, 1949.
Brick, Fire. A. P. Green Fire Brick Company. 510,415, May 31; Serial No. 553,277, published Feb. 1, 1949.
Building material. Newport Rolling Mill Co. 218,427, Sept. 28, 1920. Republished May 31.
Building units. Faberete Corporation. 439,100, June 1, 1948. Republished May 31.
Caulking compound. The Sherwin-Williams Company. 510,351, May 31; Serial No. 545,292, published Feb. 1, 1949.
Caulking of various mixtures and consistencies. Independent Silo Company. 442,753, May 31; Serial No. 462,097, published June 8, 1948.
Cement, Building. The Lawrence Cement Company of Pennsylvania. 74,139, June 22, 1909. Republished May 31.
Cement, Building. The Lawrence Cement Company of Pennsylvania. 74,234, June 29, 1909. Republished May 31.
Cements, Refractory, refractory ramming mixes, refractory bricks and refractory blocks. The Chas. Taylor's Sons Company. 510,269, May 31; Serial No. 534,692, published Feb. 1, 1949.
Concrete products. Multiplex Concrete Co., Inc. 510,287, May 31; Serial No. 537,473, published Feb. 1, 1949.
Cross-arms, braces, pins and brackets. American Cross-arm & Conduit Company. 510,207, May 31; Serial No. 539,377, published Dec. 28, 1948.
Doors, Rolling. The Kinnear Manufacturing Company. 510,286, May 31; Serial No. 537,459, published Feb. 1, 1949.
Emulsion composition, Bituminous. Hubert E. Schmid. 510,292, May 31; Serial No. 538,182, published Feb. 1, 1949.
Firebrick. Mexico Refractories Company. 510,329, May 31; Serial No. 541,862, published Feb. 1, 1949.
Houses, Prefabricated. Texas Housing Company. 510,343, May 31; Serial No. 544,005, published Jan. 18, 1949.
Insulating and protective materials for metals, Heat and sound. Tri-Sulex Corporation. 442,803, May 31; Serial No. 522,007, published Jan. 18, 1949.
Lime, Hydrated. United States Lime Products Corporation. 281,735, Mar. 24, 1931. Republished May 31.
Liquid used in hardening concrete, Clear. H. E. Schmid. 510,295, May 31; Serial No. 539,087, published Feb. 1, 1949.
Lumber, Ponderosa pine. Edward Hines Lumber Co. 510,320, May 31; Serial No. 541,140, published Dec. 28, 1948.
Mixture of Portland cement and other materials. Higgins Industries, Inc. 510,168, May 31; Serial No. 500,657, published Jan. 18, 1949.
Paving materials, Bituminous tar. American Tar Products Company. 260,690, renewed Aug. 27, 1949. O. G. May 31.
Pipe, Ceramic, ceramic pipe fittings, and ceramic pipe joint collars. Pacific Clay Products. 510,263, May 31; Serial No. 534,332, published Jan. 25, 1949.
Plaster, Gypsum. Ideal Cement Company. 510,344, May 31; Serial No. 544,107, published Feb. 1, 1949.
Plastering, Insulative and fireproof, patching, moldable and cementitious construction materials. A. Troplano. 442,790, May 31; Serial No. 519,608, published Jan. 11, 1949.
Plastic articles, Molded. Nalle Plastics, Inc. 510,201, May 31; Serial No. 537,930, published Jan. 25, 1949.
Poles and posts, Chemically treated wood. Southern Wood Preserving Company. 510,346, May 31; Serial No. 544,472, published Feb. 8, 1949.
Refractory material, Castable. Pilbrico Jointless Firebrick Company. 510,412, May 31; Serial No. 552,876, published Feb. 15, 1949.

Roofings and building-papers, Waterproof. The Paraffine Paint Co. 75,095, re-renewed Aug. 31, 1949. O. G. May 31.
Roofings and sidings, Corrugated iron and steel, etc. The Newport Rolling Mill Co. 325,864, July 9, 1935. Republished May 31.
Sashes, Window, in weather-stripped window frames, door and window frames, etc. Mondeaux Millwork and Supply Company. 510,251, May 31; Serial No. 532,622, published Dec. 28, 1948.
Screen and ventilator storm sash, Combination. L. O. Davis. 510,453, May 31; Serial No. 541,651, published Feb. 8, 1949.
Shapes and joist hangers, Lightweight metallic structural. Jones & Laughlin Steel Corporation. 510,211, May 31; Serial No. 528,479, published Feb. 8, 1949.
Shutters, Metallic. Tasco Corporation. 510,225, May 31; Serial No. 529,828, published Feb. 1, 1949.
Tile board, Imitation, and asphalt slate surfaced roofing. Pease Woodwork Company. 510,335, May 31; Serial No. 542,343, published Jan. 18, 1949.
Tile, Plastic wall. The Tile-Tex Company. 510,288, May 31; Serial No. 537,635, published Jan. 18, 1949.
Tile, Plastic wall, and floor tile. United Distributors, Inc. 442,818, May 31; Serial No. 524,839, published Jan. 18, 1949.
Tiles, foundation sheets for tiles, and cement. Porcelain Tile Company. 293,148, Apr. 12, 1932. Republished May 31.
Walkways and stairways, Steel, Black, Sivalls & Bryson, Inc. 510,411, May 31; Serial No. 552,566, published Jan. 11, 1949.
Windows and doors, Steel, reinforcing commodities. Soule Steel Company. 510,202, May 31; Serial No. 527,479, published Jan. 11, 1949.
Wood, Laminated impregnated. The Formica Insulation Company. 510,236, May 31; Serial No. 531,323, published Jan. 18, 1949.

CLASS 13

Adjusters, Casement window, window catches, hand rail brackets, etc. The H. B. Ives Company. 510,229, May 31; Serial No. 530,004, published Feb. 1, 1949.
Balls, Flush tank. American Rubber Products Corporation. 510,470, May 31; Serial No. 541,631.
Balls, Flush tank. Scully Rubber Mfg. Co. 510,475, May 31; Serial No. 552,087.
Brass cocks, valves, elbows, etc. The Turner Brass Works. 77,497, Apr. 12, 1910. Republished May 31.
Chains. Link-Belt Company. 220,198, Nov. 2, 1926. Republished May 31.
Chains and chain links. Link-Belt Company. 322,474, Mar. 5, 1935. Republished May 31.
Chains, Drive, and conveyer chains. Link-Belt Company. 63,003, June 4, 1907. Republished May 31.
Chains, Drive, and conveyer chains. Link-Belt Company. 63,052, June 4, 1907. Republished May 31.
Chains, Drive, conveyer chains, and chain cables. Link-Belt Company. 63,503, June 25, 1907. Republished May 31.
Chains, Power, and chain links. Link-Belt Company. 319,888, Dec. 11, 1934. Republished May 31.
Coffee making apparatus. Cory Corporation. 510,200, May 31; Serial No. 534,090, published Feb. 1, 1949.
Couplings, Hose. Dixon Valve & Coupling Co. 510,240, May 31; Serial No. 532,432, published Feb. 15, 1949.
Culverts, Corrugated, plain conductor pipes, round corrugated conductor pipes, etc. Newport Rolling Mill Co. 211,692, Apr. 20, 1926. Republished May 31.
Fasteners and fastener parts and accessories, Quick-acting, self-locking. Dzus Fastener Co., Inc. 510,208, May 31; Serial No. 528,197, published Feb. 15, 1949.
Fixtures, Plumbing. W. A. Case and Son Manufacturing Company. 510,275, May 31; Serial No. 535,802, published Feb. 1, 1949.
Fixtures, Plumbing. W. A. Case and Son Manufacturing Company. 510,276, May 31; Serial No. 535,808, published Feb. 1, 1949.
Fixtures, Plumbing. W. A. Case and Son Manufacturing Company. 510,278-80, May 31; Serial Nos. 536,345-7, published Feb. 15, 1949.
Hangers, Door, door tracks and track brackets. Starline Inc. 417,487, Oct. 30, 1945. Republished May 31.
Heating materials. Crane Co. 293,974, May 10, 1932. Republished May 31.
Lock nuts and lock washers. Whittet-Higgins Company. 442,798, May 31; Serial No. 521,101, published Feb. 15, 1949.
Nozzles, Hose. A & A Sales Co. 439,375, June 22, 1948. Republished May 31.
Pipe fittings. The Brockway Company. 442,780, May 31; Serial No. 516,951, published Feb. 8, 1949.
Pipe fittings; highway guard rail fittings; and pole hardware specialties. Malleable Iron Fittings Company. 510,262, May 31; Serial No. 534,298, published Feb. 8, 1949.
Pipe, Thermally insulated metal. A. A. Durant. 510,189, May 31; Serial No. 520,688, published Feb. 1, 1949.
Screens, Well. Howard Smith Co. 510,221, May 31; Serial No. 529,413, published Feb. 1, 1949.
Separators, Fluid. Centrifix Corporation. 442,791, May 31; Serial No. 519,731, published June 15, 1948.
Supplies, Plumbing and steam fitting. Warren Webster & Company. 442,819, May 31; Serial No. 525,722, published Jan. 25, 1949.
Tire-chains. The Columbus McKinnon Chain Corporation. 442,772, May 31; Serial No. 510,424, published Feb. 8, 1949.
Track for garage and barn doors. Hunt, Helm, Ferris & Co. 183,840, May 6, 1924. Republished May 31.
Tubing, Rolled and extruded non-ferrous. Ampco Metal, Inc. 510,185, May 31; Serial No. 517,395, published Jan. 25, 1949.
Valves and parts thereof, Plug. Rockwell Manufacturing Company. 510,436, May 31; Serial No. 556,674, published Feb. 15, 1949.
Valves, Automatic cut-off. United Aircraft Products, Inc. 442,767, May 31; Serial No. 479,501, published Feb. 8, 1949.
Valves, faucets, and parts therefor. A. Rhodes. 434,584, Nov. 25, 1947. Republished May 31.
Valves, Gate, and globe valves. The Wm. Powell Company. 442,809-10, May 31; Serial Nos. 523,534-5, published Feb. 1, 1949.
Valves, Plumbing and steam-fitting, metal pipe and pipe fittings, etc. Metals Supply Company, Inc. 406,659, Apr. 18, 1944. Republished May 31.
Washers, Lock. Eaton Manufacturing Company. 510,473, May 31; Serial No. 551,877.
Washers, Lock. Eaton Manufacturing Company. 510,474, May 31; Serial No. 551,879.

CLASS 14

Alloys, Ferrous and nonferrous. General Plate Company. 193,051, Jan. 6, 1925. Republished May 31.
Copper sheet, copper in roll, copper wire, etc. Copper Range Company. 505,758, Jan. 18, 1949. Corrected. O. G. May 31.
Forgings, Metal. Lansdowne Steel & Iron Company. 439,994, July 13, 1948. Republished May 31.
Metal sheets, Corrugated, and plain metal sheets. The Newport Rolling Mill Company. 123,475, Nov. 12, 1918. Republished May 31.
Metal sheets, Corrugated, and plain metal sheets. Newport Rolling Mill Co. 212,103, Apr. 27, 1926. Republished May 31.
Metal sheets, Processed galvanised ferrous. The Newport Rolling Mill Co. 301,629, Nov. 18, 1941. Republished May 31.
Sheeting, Zinc coated iron and steel. The Newport Rolling Mill Company, Inc. 334,590, May 5, 1936. Republished May 31.

CLASS 15

Fuel, Liquid. Shell Oil Company. 324,610, May 21, 1935. Republished May 31.
Gasoline, kerosene, lubricating oil, etc. Pasotex Petroleum Company. 253,628, renewed Mar. 5, 1949. O. G. May 31.
Oil, Lubricating. Shell Oil Company. 332,292, Feb. 11, 1936. Republished May 31.
Oil, Lubricating, and transformer oil. Shell Oil Company, Incorporated. 383,815, Dec. 24, 1940. Republished May 31.
Oils, Fuel, and lubricating oils and greases. Appaline Oil Company. 254,154, renewed Mar. 12, 1949. O. G. May 31.
Oils, Lubricating. Shell Oil Company. 301,513, Mar. 7, 1933. Republished May 31.
Oils, Lubricating. The Singer Manufacturing Company. 74,992, re-renewed Aug. 24, 1949. O. G. May 31.

CLASS 16

Coverings in the nature of paint, Plastic wall. United States Gypsum Company. 254,389, renewed Mar. 26, 1949. O. G. May 31.
Enamels, Paint. The Sherwin-Williams Company. 510,313, May 31; Serial No. 540,910, published Feb. 15, 1949.
Liquid containing oil for use in mixing paints. James B. Sipe & Co. 221,440, Nov. 30, 1926. Republished May 31.
Paint and baking enamels, undercoaters, reducers, etc., Automotive synthetic. De Boom Paint Co. 510,302, May 31; Serial No. 540,048, published Jan. 25, 1949.
Paints and enamels, Ready-mixed. The Glidden Company. 259,361, renewed July 30, 1949. O. G. May 31.
Paints and paint enamels, Custom mixed. The Martin-Senour Company. 510,334, May 31; Serial No. 542,323, published Jan. 25, 1949.
Paints, and varnishes. Hancock Paint & Varnish Company. 256,549, renewed July 9, 1949. O. G. May 31.
Paints, Dry, paste, and ready-mixed, and varnishes. Hall Hardware Company. 305,819, Aug. 22, 1933. Republished May 31.
Paints, Ready mixed, dry paints, paste paints, etc. International Paint Company, Inc. 316,965, Sept. 11, 1934. Republished May 31.
Paints, Ready-mixed, stains, enamels, etc. The Fox Paint Company. 256,526, May 21, 1929. Republished May 31.
Paints, varnishes, enamels, etc. De Boom Paint Co. 510,301, May 31; Serial No. 540,044, published Jan. 25, 1949.
Varnishes, japans, varnish-oils, etc. The Cleveland Varnish Company. 67,886, Feb. 25, 1908. Republished May 31.
Varnishes, stains, and finishes. John Lucas & Company Incorporated. 213,941, June 8, 1926. Republished May 31.

Wall finish, Decorative, or calcimine in the nature of a paint. M. Ewing Fox Co., Inc. 510,232, May 31; Serial No. 530,302, published Jan. 11, 1949.

CLASS 19

Accessories, Automobile. Houde Engineering Corporation. 248,512-13, Oct. 23, 1928. Republished May 31.
Airplanes and structural parts. Boeing Airplane Company. 247,992, Oct. 9, 1928. Republished May 31.
Boats, Motor. The Electric Launch Company. 74,278, re-renewed June 29, 1949. O. G. May 31.
Brake blocks, Vehicular. I. Simon. 439,448, June 29, 1948. Republished May 31.

CLASS 21

Batteries, Storage. Van Camp Hardware & Iron Company. 255,436, renewed Apr. 23, 1949. O. G. May 31.
Condensers, Electrostatic. Condenser Corporation of America. 322,066, Feb. 26, 1935. Republished May 31.
Connectors, Electrical. Albert & J. M. Anderson Manufacturing Company. 437,320, Mar. 16, 1948. Republished May 31.
Electroplating apparatus and parts thereof. Hanson-Van Winkle-Munning Company. 258,325, renewed July 2, 1949. O. G. May 31.
Plugs and receptacles, Circuit breaking. The Pyle National Company. 268,987, Nov. 10, 1931. Corrected. O. G. May 31.
Signal amplifying and/or relaying apparatus, Electrical, etc. Photoswitch Incorporated. 431,183, July 15, 1947. Republished May 31.
Signalling apparatus, Electric, etc. Signal Engineering & Mfg. Co. 368,825, July 4, 1939. Republished May 31.
Toasters, Electric. Radiron Corporation. 438,127, Apr. 6, 1948. Republished May 31.

CLASS 22

Amusement apparatus, Coin-controlled. Exhibit Supply Company. 510,388, May 31; Serial No. 548,810, published Feb. 1, 1949.
Athletic balls. The Sun Rubber Company. 510,256-8, May 31; Serial Nos. 533,640-2, published Feb. 1, 1949.
Athletic equipment. W. J. Voit Rubber Corp. 510,267, May 31; Serial No. 534,492, published Jan. 11, 1949.
Badminton rackets. A. G. Spalding & Bros. Inc. 510,283, May 31; Serial No. 536,649, published Jan. 25, 1949.
Badminton rackets, squash rackets, tennis rackets, etc. A. G. Spalding & Bros. Inc. 510,319, May 31; Serial No. 541,040, published Feb. 1, 1949.
Bait, Artificial. Fred Arbogast and Company, Inc. 510,302-3, May 31; Serial Nos. 549,043-4, published Feb. 1, 1949.
Baseballs, baseball mitts, baseball gloves, etc. A. G. Spalding & Bros. Inc. 510,316, May 31; Serial No. 541,036, published Jan. 18, 1949.
Billiard balls. Albany Billiard Ball Company. 510,305, May 31; Serial No. 540,234, published Feb. 1, 1949.
Billiard balls. Albany Billiard Ball Company. 510,306, May 31; Serial No. 540,236, published Feb. 1, 1949.
Board game. J. S. Campen. 510,384, May 31; Serial No. 548,635, published Jan. 18, 1949.
Dolls. A. Le Blanc. 510,220, May 31; Serial No. 529,304, published Jan. 11, 1949.
Dolls. Sayco Doll Corporation. 442,761, May 31; Serial No. 501,092, published Jan. 11, 1949.
Fish line reels. R. E. Brown. 510,281, May 31; Serial No. 536,493, published Jan. 11, 1949.
Fish lures. Witch Fire Lures. 442,771, May 31; Serial No. 510,292, published Jan. 11, 1949.
Fish lures, Artificial. J. E. Clark. 510,167, May 31; Serial No. 499,823, published Jan. 25, 1949.
Fishing bobs. Frabill Manufacturing Company. 510,332, May 31; Serial No. 542,305, published Feb. 1, 1949.
Fishing lines. The H. & D. Folsom Arms Co. Inc. 510,385, May 31; Serial No. 548,652, published Feb. 1, 1949.
Fishing tackle. C. W. Scott. 442,797, May 31; Serial No. 520,772, published Feb. 1, 1949.
Footballs. A. G. Spalding & Bros. Inc. 510,315, May 31; Serial No. 541,035, published Jan. 18, 1949.
Game. Sargo Company. 400,637, Mar. 23, 1943. Republished May 31.
Games. E. H. Grundy. 442,781, May 31; Serial No. 516,978, published Jan. 11, 1949.
Golf balls. The Worthington Ball Company. 510,205, May 31; Serial No. 527,858, published Jan. 11, 1949.
Golf balls and golf clubs. A. G. Spalding & Bros. Inc. 510,317, May 31; Serial No. 541,037, published Jan. 18, 1949.
Golf balls, golf clubs, tennis rackets, etc. A. G. Spalding & Bros. Inc. 510,318, May 31; Serial No. 541,038, published Jan. 18, 1949.
Golf clubs. K. Smith. 510,307, May 31; Serial No. 540,326, published Jan. 18, 1949.
Pieces of a chess game. Kingsway, Inc. 510,402, May 31; Serial No. 549,937, published Feb. 1, 1949.
Plastic materials adapted to be blown into hollow bodies and used for amusement or toy purposes. Industrial Lacquer and Chemical Corporation. 510,323, May 31; Serial No. 541,299, published Jan. 18, 1949.
Playing cards. The United States Playing Card Company. 510,321, May 31; Serial No. 541,224, published Feb. 1, 1949.
Propellers for toy power driven airplanes. R. J. Roberts. 510,166, May 31; Serial No. 519,138, published Feb. 1, 1949.
Skis, ski-poles, ski-bindings, etc. L. A. Jonssons Skidfabriks A. B. 442,775, May 31; Serial No. 513,260, published Jan. 11, 1949.
Sleds, Coasting. S. L. Allen & Co., Inc. 252,134, Jan. 22, 1929. Republished May 31.
Strings for tennis, badminton and squash rackets. Armour and Company. 510,204, May 31; Serial No. 527,767, published Jan. 18, 1949.
Strings for tennis, badminton, and squash rackets. Armour and Company. 510,206, May 31; Serial No. 527,870, published Jan. 18, 1949.
Tennis rackets, badminton rackets, squash rackets, etc. A. G. Spalding & Bros. Inc. 510,326, May 31; Serial No. 541,996, published Jan. 18, 1949.
Toy. L. K. B. Manufacturing Co. 510,219, May 31; Serial No. 529,392, published Jan. 11, 1949.
Toy golf games. Moen & Patton, Inc. 510,368, May 31; Serial No. 546,310, published Jan. 4, 1949.
Toys. Bois Toys, Incorporated. 510,284, May 31; Serial No. 536,752, published Jan. 11, 1949.
Toys. Super-Cyclone, Inc. 442,770, May 31; Serial No. 510,285, published Feb. 1, 1949.
Toys, Mechanical. Brenner Manufacturing Company. 510,175, May 31; Serial No. 511,859, published Jan. 11, 1949.

CLASS 23

Automatic water systems. Crane Co. 303,158, May 16, 1933. Republished May 31.
Cast-metal machinery-wheels. Link-Belt Company. 107,494, Dec. 7, 1915. Republished May 31.
Conveying machinery, Endless chain, etc. Link-Belt Company. 83,806, July 2, 1907. Republished May 31.
Conveyors, trolley conveyors, conveyor systems, and parts thereof. Link-Belt Company. 279,454, Jan. 13, 1931. Republished May 31.
Cups, Grease. Link-Belt Company. 206,187, Nov. 24, 1925. Republished May 31.
Elevators and parts of elevators. Inclinator Company of America. 262,949, Oct. 29, 1929. Republished May 31.
Extinguishers, Portable hand fire, saws, knives, etc. Industrial Supply Company, Inc. 268,302, Mar. 11, 1930. Republished May 31.
Hoists and concrete mixers. United Hoisting Co., Inc. 237,280, Jan. 3, 1928. Republished May 31.
Machinery, apparatus and parts thereof. Link-Belt Company. 336,862, July 21, 1936. Republished May 31.
Machinery, Crushing. Nordberg Manufactnring Company. 261,120, Sept. 3, 1929. Republished May 31.
Machines. Geo. J. Meyer Manufacturing Co. 345,412, Apr. 27, 1937. Republished May 31.
Machines. Geo. J. Meyer Manufacturing Co. 345,614, May 4, 1937. Republished May 31.
Machines, Fish-dressing. Smith Cannery Machines Company. 65,366, Sept. 24, 1907. Republished May 31.
Machines, Vertical broaching. The Oilgear Company. 439,374, June 22, 1948. Republished May 31.
Mechanical fire alarm bell ringing devices. Premier Appliance Co., Inc. 439,709, July 13, 1948. Republished May 31.
Rotary horisontal drum type dryers and coolers. Link-Belt Company. 420,713, Apr. 30, 1946. Republished May 31.
Saw sets. Henry Disston & Sons, Incorporated. 71,983, Dec. 29, 1908. Republished May 31.
Saws. Henry Disston & Sons, Incorporated. 70,960, Oct. 13, 1908. Republished May 31.
Tools, Hand. Crescent Tool Company. 283,646, June 2, 1931. Republished May 31.
Transmissions, Variable speed, or gears. Link-Belt Company. 322,473, Mar. 5, 1935. Republished May 31.
Transmissions, Variable speed, or gears. Link-Belt Company. 322,475, Mar. 5, 1935. Republished May 31.
Tweezers, pliers, screwdrivers, etc., Jewelers' and watchmakers'. B. Jadow, Inc. 439,393, June 22, 1948. Republished May 31.
Wrenches and parts, pliers, snips, etc. Crescent Tool Company. 299,305, Nov. 29, 1932. Republished May 31.

CLASS 25

Locks, Cabinet, night latches, etc. The Eagle Lock Company. 430,722, June 24, 1947. Republished May 31.

CLASS 26

Calipers, height gauges, depth gauges, etc. P. S. a. r. L. Rock. 442,786, May 31; Serial No. 518,104, published Feb. 15, 1949.
Cameras and film spools. Cincinnati Clock & Instrument Co. 510,239, May 31; Serial No. 531,648, published Feb. 8, 1949.
Cameras, Photographic, photographic plate and film magazines, etc. The Folmer Graflex Corporation. 260,594, renewed Aug. 27, 1949. O. G. May 31.
Compasses, Pocket. H. A. Long. 442,784, May 31; Serial No. 517,643, published Feb. 15, 1949.
Gages, Strain, and electro-mechanical measuring apparatus. A. D. Huggenberger. 510,194-5, May 31; Serial Nos. 521,976-7, published Feb. 15, 1949.
Instruments and controls responsive to changes in physical conditions. White-Rodgers Electric Company. 510,166, May 31; Serial No. 496,187, published Feb. 15, 1949.

Lenses, Ophthalmic. The White-Haines Optical Company. 510,176, May 31; Serial No. 512,885, published Feb. 15, 1949.
Machines for making blue-prints and other prints, etc. Paragon-Revolute Corporation. 510,235, May 31; Serial No. 531,236, published Feb. 15, 1949.
Machines, Ticket printing, registering and issuing. Automatic Ticket Register Corporation. 234,624, Nov. 1, 1927. Republished May 31.
Optical goods. Charles Foster & Co. 510,201, May 31; Serial No. 524,965, published Feb. 15, 1949.
Penetrators, Hardness tester. Wilson-Maeulen Co. Inc. 207,586, Jan. 5, 1926. Republished May 31.
Photographic paper, Sensitized. Charles Bruning Company, Inc. 510,230, May 31; Serial No. 530,165, published Feb. 8, 1949.
Photoplays, Motion picture. Argosy Pictures Corporation. 510,240, May 31; Serial No. 532,093, published Feb. 8, 1949.
Projectors, epidiascopes, light meters, etc. E. Paillard & Cie., S. A. 442,763, May 31; Serial No. 505,515, published July 6, 1949.
Recording paper. Heat-sensitive. Sanborn Company. 438,747, May 11, 1948. Republished May 31.
Temperature regulating apparatus. Caloric Stove Corporation. 510,214, May 31; Serial No. 528,690, published Feb. 8, 1949.

CLASS 27

Watches. Bulova Watch Company, Inc. 258,603, renewed July 9, 1949. O. G. May 31.
Watches and watch cases. Forstner Chain Corporation. 359,291, Aug. 9, 1938. Republished May 31.
Watches and watch movements. Tschuy-Vogt Watch Co. 510,430, May 31; Serial No. 555,325, published Feb. 22, 1949.
Watches, clocks, and parts thereof. Forstner Chain Corporation. 270,508, May 6, 1930. Republished May 31.

CLASS 28

Articles of jewelry, Religious. The H. M. H. Co. 510,247, May 31; Serial No. 532,221, published Feb. 22, 1949.
Bracelets, brooches, bar pins, etc. Pulmer & Gibbons. 250,844, Dec. 18, 1928. Republished May 31.
Bracelets, Wrist watch, watch chains, cuff links, etc. Forstner Chain Corporation. 356,133, Apr. 12, 1938. Republished May 31.
Bracelets, Wrist watch, watch chains, cuff links, etc. Forstner Chain Corporation. 398,027, Oct. 6, 1942. Republished May 31.
Cases, Cigarette, cigarette lighters, cuff links, etc. The Kappa Alpha Order. 510,272, May 31; Serial No. 535,243, published Feb. 2, 1949.
Chains for personal adornment. Forstner Chain Corporation. 144,768, July 19, 1921. Republished May 31.
Chains for personal adornment. Forstner Chain Corporation. 170,715, July 24, 1923. Republished May 31.
Diamonds and diamond rings. Bond Diamond Company. 435,950, Jan. 20, 1948. Republished May 31.
Flat and hollow ware and cutlery, Silver-plated. Wm. A. Rogers, Limited. 97,079, May 19, 1914. Republished May 31.
Hollow-ware, Silver plated. The International Silver Company. 510,340, May 31; Serial No. 543,455, published Feb. 22, 1949.
Hollow-ware, Silver-plated. The International Silver Company. 510,342, May 31; Serial No. 543,931, published Feb. 22, 1949.
Jewelry. Pakula and Company. 510,226, May 31; Serial No. 529,924, published Feb. 8, 1949.
Jewelry. Pratt & Wollman, Inc. 510,391, May 31; Serial No. 548,993, published Feb. 22, 1949.
Jewelry, Sterling silver costume. Lang Jewelry Company. 510,187, May 31; Serial No. 520,044, published Feb. 8, 1949.
Necklaces. The Associated Merchandising Corporation. 510,360, May 31; Serial No. 546,544, published Feb. 22, 1949.
Necklaces, bracelets, finger rings, earrings, etc. Coro, Inc. 442,758, May 31; Serial No. 494,033, published July 2, 1946.
Pin, Fraternity. Lambda Sigma Fraternity. 510,414, May 31; Serial No. 552,991, published Feb. 22, 1949.
Pins, Safety, barrettes, neck chains, etc. R. A. Ballou & Co. Incorporated. 72,995, re-renewed Mar. 9, 1949. O. G. May 31.
Strings for beads. Armour and Company. 510,212, May 31; Serial No. 528,669, published Feb. 22, 1949.
Strings for beads. Armour and Company. 510,213, May 31; Serial No. 528,673, published Feb. 22, 1949.
Tableware, Silverplated flat. Oneida Ltd. 439,621-3, July 6, 1948. Republished May 31.
Tableware, Sterling silver flat. Home Decorators, Inc. 439,620, July 6, 1948. Republished May 31.

CLASS 29

Brooms. Armstrong Grocery Company. 438,262, Apr. 13, 1948. Republished May 31.
Brush strip. The Osborn Manufacturing Company. 439,334, June 22, 1948. Republished May 31.
Mops. Parker Manufacturing Company. 507,676, Mar. 15, 1949. Corrected. O. G. May 31.

CLASS 31

Diatomaceous earth. Honan-Crane, Inc. 377,413, May 7, 1940. Republished May 31.
Filtering apparatus and asbestos filter pads. The Cellulo Company. 439,167, June 8, 1948. Republished May 31.
Filters, Oil. De Luxe Products Corporation. 510,215, May 31; Serial No. 526,773, published Jan. 11, 1949.
Filters, Powdered bronze. Wabash Manufacturing Company. 510,164, May 31; Serial No. 493,634, published Jan. 25, 1949.
Filters, Replaceable cartridge type oil. Pick Manufacturing Company. 510,337, May 31; Serial No. 542,650, published Jan. 25, 1949.
Ice cans. The Ohio Galvanising & Manufacturing Company. 510,304, May 31; Serial No. 540,099, published Feb. 8, 1949.
Refrigerators. Tyler Fixture Corporation. 510,296, May 31; Serial No. 539,241, published Jan. 25, 1949.
Refrigerators, Commercial. Tyler Fixture Corporation. 510,194, May 31; Serial No. 516,875, published Jan. 11, 1949.
Refrigerators, Commercial. The Warren Company, Inc. 510,177, May 31; Serial No. 513,283, published Jan. 25, 1949.
Refrigerators, Commercial. The Warren Company, Inc. 510,178, May 31; Serial No. 513,483, published Jan. 25, 1949.
Refrigerators, Commercial. The Warren Company, Inc. 510,179, May 31; Serial No. 513,789, published Jan. 25, 1949.
Refrigerators, Portable bag-type. Refrig-O-Bag Co. 510,255, May 31; Serial No. 533,616, published Aug. 17, 1948.
Water softening apparatus. The Lindsay Company. 510,324, May 31; Serial No. 541,311, published Feb. 8, 1949.

CLASS 32

Furniture. Camden Furniture Company. 363,431, Dec. 27, 1938. Republished May 31.
Furniture, Household. Camden Furniture Company. 417,420, Oct. 30, 1945. Republished May 31.
Furniture, Living-room, dining-room, bedroom and office. Jamestown Lounge Company. 282,926, May 5, 1931. Republished May 31.
Mattresses. The Land-O-Nod Company. 510,254, May 31; Serial No. 533,447, published Feb. 15, 1949.
Mattresses. Superior Felt & Bedding Company. 369,928, Aug. 6, 1939. Republished May 31.
Mattresses and box springs. Progress Bedding Co. 510,463, May 31; Serial No. 532,340.
Mirrors, Wall. Turner Mfg. Company. 438,762, May 11, 1948. Republished May 31.

CLASS 34

Boilers, Range, gas water heaters, expansion tanks, etc. John Wood Manufacturing Company, Inc. 510,396, May 31; Serial No. 549,401, published Feb. 8, 1949.
Burner, Gas conversion. Norman Products Company. 510,173, May 31; Serial No. 508,915, published Jan. 18, 1949.
Burners, Gas, oil burners, and combination gas and oil burners. Coppus Engineering Corporation. 510,238, May 31; Serial No. 531,576, published Jan. 18, 1949.
Connector, Stove pipe. Jackes-Evans Manufacturing Company. 510,203, May 31; Serial No. 527,701, published Feb. 1, 1949.
Controlling apparatus, Heat. Cross & Lingen. 510,461, May 31; Serial No. 517,407.
Furnaces, Domestic coal, gas, and oil fired heating, heating boilers, and air conditioners. Thatcher Furnace Company. 510,172, May 31; Serial No. 505,367, published Jan. 18, 1949.
Generators, Acetylene gas, oxygen gas generators, gas welding flux chargers, etc. The Sight Feed Generator Company. 510,233, May 31; Serial No. 530,343, published Jan. 25, 1949.
Heat exchangers, indirect water heaters, expansion tanks, etc. Bell & Gossett Company. 510,185, May 31; Serial No. 493,911, published Jan. 18, 1949.
Heater, Gas water. Southwestern Heater Corporation. 510,181, May 31; Serial No. 515,724, published Jan. 18, 1949.
Heaters, Automatic water. Rheem Manufacturing Company. 510,345, May 31; Serial No. 544,198, published Feb. 1, 1949.
Heaters, Gas-fueled water. Los Angeles Gas Appliance Company, Inc. 442,793, May 31; Serial No. 520,288, published Jan. 18, 1949.
Heaters, Gas water, and combination boilers. John Wood Manufacturing Company, Inc. 510,397, May 31; Serial No. 549,402, published Jan. 25, 1949.
Heaters, Hot water, and furnaces. J. L. Gillen Company. 439,300, June 15, 1948. Republished May 31.
Heaters, Water. Troop Water Heater Company. 510,309, May 31; Serial No. 540,488, published July 20, 1948.
Heating apparatus, Steam. C. A. Dunham Company. 510,210, May 31; Serial No. 528,264, published Feb. 1, 1949.
Heating materials. Crane Co. 284,823, July 7, 1931. Republished May 31.
Humidifiers, Automatic, and automatic air relief valves. Maid-O'-Mist, Inc. 510,231, May 31; Serial No. 530,228, published Jan. 18, 1949.

Ranges and stoves, Gas. The Tappan Stove Company. 510,406, May 31; Serial No. 550,841, published Feb. 1, 1949.
Ranges, Cooking. Southern Stove Works, Inc. 510,190, May 31; Serial No. 521,157, published Feb. 1, 1949.
Stoves, Oil. Pan-American Enterprises, Inc. 510,162, May 31; Serial No. 474,550, published Feb. 1, 1949.
Torches, Gasolene-operated. The Turner Brass Works. 85,526, Feb. 20, 1912. Republished May 31.
Torches, Gasolene-operated, blowpipes, and heaters, etc. The Turner Brass Works. 81,312, Mar. 21, 1911. Republished May 31.
Units, Gas-fired. Mechanical Home Systems, Incorporated. 510,209, May 31; Serial No. 528,216, published Jan. 18, 1949.
Ventilators, Air draft. J. L. Karol. 442,808, May 31; Serial No. 523,389, published Feb. 1. 1949.

CLASS 35

Belting, hose, asbestos and rubber packings, and lacing. R. Orlob. 202,736, Sept. 1, 1925. Republished May 31.
Belting, Leather. Atlanta Belting Company. 248,755, Oct. 30, 1928. Republished May 31.
Belting, Leather. Atlanta Belting Company. 510,308, May 31; Serial No. 540,607, published Feb. 15, 1949.
Belting, Power transmission, conveying, and elevating. Imperial Belting Company. 510,331, May 31; Serial No. 542,025, published Feb. 15, 1949.
Belting, Transmission. Quaker Rubber Corporation. 510,423, May 31; Serial No. 534,601, published Feb. 8, 1949.
Belting, Transmission. Quaker Rubber Corporation. 510,424, May 31; Serial No. 534,606, published Feb. 8, 1949.
Gaskets. Victor Manufacturing & Gasket Co. 256,305, renewed May 14, 1940. O. G. May 31.
Linera, Brake. The Russell Manufacturing Company. 250,580, renewed Aug. 6, 1940. O. G. May 31.
Linings, Brake, clutch facings, and fan belts. L. J. Miley Company. 507,778, Mar. 22, 1949. Corrected. O. G. May 31.
Packing, Asbestos and rubber sheet. R. Orlob. 202,737. Sept. 1, 1925. Republished May 31.
Packing, Rod and valve-stem. Johns-Manville Corporation. 510,350, May 31; Serial No. 546,224, published Feb. 15, 1949.
Piston rings and rod packing, Metallic and non-metallic. Double Seal Ring Company. 510,182, May 31; Serial No. 515,944, published Feb. 8, 1949.
Tires, Automobile. Kelly-Springfield Tire Company. 291,906, Mar. 1, 1932. Republished May 31.
Tubes, Inner. Robbins Tire and Rubber Company, Inc. 442,779, May 31; Serial No. 516,312, published Mar. 16, 1948.

CLASS 36

Pianos and pianofortes. The Schomacker Piano Forte Manufacturing Co. 72,174, Jan. 5, 1909. Republished May 31.

CLASS 37

Envelope and statement form, Combination. Envostat Distributors. 437,057, Mar. 2, 1948. Republished May 31.
Fountain-pens. Mabie, Todd & Co. 71,236, re-renewed Nov. 10, 1948. O. G. May 31.
Fountain-pens. Mabie, Todd & Co. 71,446, re-renewed Nov. 24, 1948. O. G. May 31.
Napkins, Paper. The Tissue Company. 236,673, Dec. 20, 1927. Republished May 31.
Notebooks, chalk holders, and ungraded wooden rulers. Reeves & Sons, Ltd. 227,582, May 10, 1927. Republished May 31.
Paper for writing and printing purposes, drawing-paper, pencil-paper etc. J. C. Blair Company. 74,905, re-renewed Aug. 17, 1940. O. G. May 31.
Paper, Toilet, paper towels, and paper napkins. Hoberg Paper and Fibre Company. 246,877, Sept. 18, 1928. Republished May 31.
Papers, Writing, and envelopes. Samuel Ward Company. 82,540, July 4, 1911. Republished May 31.
Papers, Writing, and envelopes. Samuel Ward Manufacturing Company. 184,605, May 27, 1924. Republished May 31.

CLASS 38

Cards, Greeting. American Greeting Publishers Incorporated. 439,396, June 22 1948. Republished May 31.
Cartoons, Series of. Chicago Tribune-New York News Syndicate, Inc. 438,573, May 4, 1948. Republished May 31.
Column in a periodical. King Publications. 510,471-2, May 31; Serial Nos. 545,265-6.
Coupons, Redeemable. Staley Milling Company. 366,649, Apr. 25, 1939. Republished May 31.
Greeting cards. Miller Art Company, Inc. 510,464, May 31; Serial No. 533,592.
Journal, Monthly medical. W. F. Prior Company, Inc. 225,150, re-newed Mar. 15, 1947. O. G. May 31.
Magazine. Golfing Publications, Inc. 510,466, May 31; Serial No. 537,770.
Newspaper. The Forest City Publishing Company. 419,333, Feb. 12, 1946. Republished May 31.
Newspaper section. King Features Syndicate, Inc. 384,748, Feb. 4, 1941. Republished May 31.
Newspaper section and magazine. New York Evening Journal, Inc. 366,070, Mar. 28, 1939. Republished May 31.
Periodical news column. Dear Publication & Radio, Inc. 439,223, June 8, 1948. Republished May 31.
Publication. Heating Journals, Inc. 254,280, Mar. 19, 1929. Republished May 31.
Sections or columns of daily newspapers. Boston Publishing Company. 265,256, Dec. 24, 1929. Republished May 31.

CLASS 39

Apparel, Women's wearing. The House of Rothchild, Inc. 442,820, May 31; Serial No. 484,684.
Bath robes, pullman and beach robes, and house robes. M. Auerbach. 160,133, Oct. 17, 1922. Republished May 31.
Bathing suits. The Ocean Bathing Suit Co. 248,122, renewed Oct. 16, 1948. O. G. May 31.
Boots and shoes, Leather. The Stetson Shoe Company, Incorporated. 384,228, Jan. 7, 1941. Republished May 31.
Boots and shoes, Rubber. Phillips-Baker Rubber Co. 253,733-4, renewed Mar. 5, 1940. O. G. May 31.
Caps and hats for men, women, and children; leather gloves, etc. Knox Hat Company, Inc. 260,850, renewed Aug. 27, 1940. O. G. May 31.
Chemises, negligees, costume slips, panties, etc., Ladies' and misses'. Patricia Petticoat Co., Inc. 345,993, May 11, 1937. Republished May 31.
Coats, suits, dresses, furs, Girls', misses', and women's. Henri Bendel, Inc. 439,025, June 1, 1948. Republished May 31.
Coats, Women's. B. Greenholtz. 391,240, Oct. 28, 1941. Republished May 31.
Collars. Cluett, Peabody & Co., Inc. 259,682, renewed Aug. 6, 1940. O. G. May 31.
Corsets, brassières, combined corsets and brassières, etc. The H. W. Gossard. 253,833, renewed Mar. 5, 1940. O. G. May 31.
Dresses, Misses' and women's. Hiland Frocks, Inc. 510,458, May 31; Serial No. 511,184.
Dresses, shirts, shorts, blouses, etc., Women's, misses', and children's. Straus, Boyer & Straus, Inc. 438,901, May 18, 1948. Republished May 31.
Gloves, Butler Brothers. 149,646, Dec. 20, 1921. Republished May 31.
Gloves, Ladies' leather. Moss Stores, Inc. 332,391, Feb. 11, 1936. New certificate. O. G. May 31.
Gloves, Men's, women's, and children's. Stern Brothers. 260,201, renewed Aug. 20, 1940. O. G. May 31.
Handkerchiefs. Altshul-Stern & Co. 375,865, Mar. 5, 1940. Republished May 31.
Handkerchiefs. Robinson & Golluber, Inc. 510,476, May 31; Serial No. 561,426.
Handkerchiefs, Men's. Jno. W. Henson & Sons. 442,759, May 31; Serial No. 494,675, published Jan. 18, 1949.
Hats and caps, Men's and boys'. The La Salle Hat Company. 346,141, May 18, 1937. Republished May 31.
Hats and caps, Men's and boys'. The La Salle Hat Company. 387,948, June 10, 1941. Republished May 31.
Hats and caps, Men's and boys'. The La Salle Hat Company. 391,689, Nov. 18, 1941. Republished May 31.
Hats and caps, Men's and boys'. The La Salle Hat Company. 392,124, Dec. 9, 1941. Republished May 31.
Hats and caps, Men's and boys'. H. Salesky. 215,898, July 27, 1926. Republished May 31.
Hats and hat bodies, Dyed and bleached. R. H. Comey Companies Consolidated. 246,334, renewed Sept. 4, 1948. O. G. May 31.
Hats for men. F. Berg & Company, Incorporated. 260,858, renewed Aug. 27, 1940. O. G. May 31.
Hats, Ladies' and children's. Consolidated Millinery Company. 430,752, July 20, 1948. Republished May 31.
Hats, Panama, and vegetable-fibre hats for men. R. H. Comey Companies Consolidated. 240,168, renewed Sept. 4, 1948. O. G. May 31.
Hats, Women's trimmed and untrimmed. Gimbel Brothers, Inc. 253,737, renewed Mar. 6, 1940. O. G. May 31.
Headwear. Schumm & Snyder. 260,222, renewed Aug. 20, 1940. O. G. May 31.
Hosiery. Butler Brothers. 121,754, May 28, 1918. Republished May 31.
Hosiery. Hanes Hosiery, Incorporated. 510,467, May 31; Serial No. 538,004.
Hosiery. Marshall Field & Company. 77,254, Mar. 22, 1910. Republished May 31.
Hosiery. Maryon Hosiery Mill. 442,788, May 31; Serial No. 518,844, published Jan. 11, 1949.
Hosiery, Men's, women's, girls', and boys', men's, women's, boys', and girls' knit sleeping-wear, etc. Munsingwear, Inc. 510,271, May 31; Serial No. 535,068, published Jan. 18, 1949.
Hosiery, Nylon. The Leon Godchaux Clothing Company, Ltd. 510,455, May 31; Serial No. 495,676.
Hosiery, undershirts, pants, etc. N. Corah & Sons Limited. 246,387, Sept. 4, 1928. Republished May 31.
Jackets of pony skin, Men's and children's leather. Leatherkraft, Inc. 355,211, Mar. 8, 1938. Republished May 31.

Outerwear, Woven and knitted. The New England Knitting Company. 510,310, May 31; Serial No. 540,596, published Feb. 1, 1949.
Overalls. Blecsser-Heynemann Co. 88,743, Oct. 22, 1912. Republished May 31.
Overalls and jackets, athletic shirts and shorts, work shirts, etc., Men's and boys'. Butler Brothers. 351,960, Nov. 16, 1937. Republished May 31.
Overalls and work-clothes. Bloesser-Heynemann Co. 124,832, Mar. 18, 1919. Republished May 31.
Overalls, jumpers, blouses, etc. Bloesser-Heynemann Co. 74,923, Aug. 17, 1909. Republished May 31.
Pajamas. Glama-Jama, Inc. 442,801, May 31; Serial No. 521,574, published June 15, 1948.
Pillow-cases, Cotton, cotton sheets, and cotton handkerchiefs. Ware Shoals Manufacturing Company. 240,781, Apr. 10, 1928. Republished May 31.
Shirts, Boys' dress, work shirts, negligee shirts, etc. Higginbotham-Bailey-Logan Company. 251,026, Dec. 25, 1928. Republished May 31.
Shirts, Negligee and dress. Cluett, Peabody & Co., Inc. 259,675, renewed Aug. 6, 1940. O. G. May 31.
Shirts, work pants, overalls, etc., Men's, young men's, and boys' cotton and flannel work. Kline Brothers Co. 263,725, Nov. 12, 1929. Republished May 31.
Shoes and boots, Men's, women's, and children's. Lane Bryant, Inc. 254,887, renewed Mar. 26, 1940. O. G. May 31.
Shoes, Infants', children's, misses', and girls'. The W. L. Kreider's Sons Mfg. Co. Inc. 510,460, May 31; Serial No. 515,188.
Shoes, Ladies' and misses'. H. O. Roadeau Shoe Co., Inc. 338,595, Sept. 8, 1936. Republished May 31.
Shoes, sandals, slippers, and play shoes. Hattie Carnegie, Inc. 442,821, May 31; Serial No. 523,667.
Shorts, Men's. H. Heller. 510,338, May 31; Serial No. 542,994, published Jan. 18, 1949.
Stockings, socks, hose, dress, negligee, and work shirts, etc. Wolsey Limited. 442,814-15, May 31; Serial Nos. 524,366-7, published Jan. 25, 1949.
Stockings, socks, hose etc. Wolsey Limited. 442,813, May 31; Serial No. 524,364, published Jan. 18, 1949.
Suits and coats, Girls' and misses'. New York Girl Coat Co., Inc. 510,325, May 31; Serial No. 541,826, published Jan. 25, 1949.
Suits, overcoats, topcoats, trousers, etc., Boys', students', young men's, and men's. Kline Brothers Co. 385,801, June 16, 1936. Republished May 31.
Sweaters and gloves, Ladies', misses', and children's, Kline Brothers Co. 274,921, Sept. 9, 1930. Republished May 31.
Sweaters, bathing suits, coats, Men's, boys', women's, misses', and children's, etc. California Knitting Mills. 510,468, May 31; Serial No. 541,083.
Sweaters, knitted blouses and jackets, Boys' and girls'. Daniel's Knitting Mills, Inc. 510,465, May 31; Serial No. 536,053.
T-shirts, pajamas, and sweaters, etc., Boys', men's, and women's. Manchester Knitted Fashions, Inc. 510,469, May 31; Serial No. 541,152.
Topcoats, overcoats, suits, vests, and trousers, Men's. Barron, Anderson Company. 273,331, July 29, 1930. Republished May 31.
Trousers. Bloesser-Heynemann Co. 182,949, Apr., 22, 1924. Republished May 31.
Underwear and outerwear, Woven and knitted. The New England Knitting Company. 510,309, May 31; Serial No. 540,595, published Feb. 1, 1949.
Underwear, Ladies' silk. Julius Kamser & Co. 256,879, renewed May 28, 1940. O. G. May 31.
Union suits, Athletic. Lewis Knitting Company. 225,215, Mar. 15, 1927. Republished May 31.
Warmers, Head. E. C. Hemphill. 510,180, May 31; Serial No. 514,473, published June 18, 1940.
Wearing apparel, Ladies'. Maison Blanche Company. 367,140, May 9, 1939. Republished May 31.

CLASS 40

Elastic bands. Rosenau Bros, Inc. 250,103, Nov. 27, 1928. Republished May 31.
Ornaments; Feather hat, decorative hat pieces. Knox Hat Company, Inc. 260,848-9, renewed Aug. 27, 1940. O. G. May 31.

CLASS 42

Bagging, Jute burlap. Mente & Co., Inc. 309,386, Jan. 9, 1934. Republished May 31.
Bedspreads, bathmats, blankets, and printed percale piece goods. P. Hopple. 420,821, May 7, 1946. Republished May 31.
Broadcloth, Cotton, in the piece. Sea Island Mills. Incorporated. 327,727-8, Sept. 3, 1935. Republished May 31.
Fabrics. Sea Island Mills, Incorporated. 436,403, Feb. 10, 1948. Republished May 31.
Fabrics, Cotton pile. New York Mills Corporation. 255,882, renewed Apr. 30, 1940. O. G. May 31.
Fabrics, Rubberized raincoat. L. C. Chase & Company. 260,660, renewed Aug. 27, 1940. O. G. May 31.
Fabrics, Woven and printed cotton, linen, worsted, and silk. Hibben, Hollweg & Company. 74,770, re-renewed Aug. 10, 1949. O. G. May 31.
Fabrics, Woven cotton. Roanoke Mills Company. 244,074, July 10, 1928. Republished May 31.
Laces and nets. Société Anonyme Dognin. 510,459, May 31; Serial No. 513,101.
Padding, Cotton. Southern Mills, Inc. 256,592, renewed May 21, 1940. O. G. May 31.
Piece goods, Cotton. J. L. Stiffel & Sons. 200,622, renewed Aug. 27, 1940. O. G. May 31.
Piece goods, Waterproofed woven. Sea Island Mills, Incorporated. 352,162, Nov. 23, 1937. Republished May 31.
Piece goods, Woolen. Forstmann & Huffmann Company. 253,076, renewed Feb. 19, 1940. O. G. May 31.
Pillow-cases, Cotton, and cotton sheets. Ware Shoals Manufacturing Company. 245,801, Aug. 28, 1928. Republished May 31.
Pillow-cases, Cotton, cotton sheets, and cotton handkerchiefs. Ware Shoals Manufacturing Company. 240,781, Apr. 10, 1928. Republished May 31.
Sheets and pillow cases. Butler Brothers. 352,614, Dec. 7, 1937. Republished May 31.
Sheets and pillowcases. Defender Mfg. Company, Inc. 255,986, May 7, 1929. Republished May 31.
Sheets and pillow cases. The John P. King Manufacturing Co. 308,790, Dec. 19, 1933. Republished May 31.
Sheets and pillow cases. The John P. King Manufacturing Co. 312,448, Apr. 24, 1934. Republished May 31.
Sheets, Cotton and linen bed, sheeting, wide sheeting, etc. Kline Brothers Co. 270,050, Apr. 22, 1930. Republished May 31.
Sheets, pillowcases, tablecloths, towels, etc. Maison Blanche Company. 367,224, May 9, 1939. Republished May 31.
Wool, cotton, silk, rayon, and mixtures thereof all in the piece. E. A. Dunbar. 410,272, Nov. 21, 1944. Republished May 31.

CLASS 43

Thread. Max Pollack & Co., Inc. 358,291, July 5, 1938. Republished May 31.
Thread. Max Pollack & Co., Inc. 360,000, Sept. 6, 1938. Republished May 31.
Yarns. Duplan Silk Corporation. 256,448, renewed May 14, 1940. O. G. May 31.
Yarns. James Lees & Sons Company. 251,622, Jan. 8, 1929. Republished May 31.

CLASS 44

Dental appliance assemblies. Ritter Dental Manufacturing Company, Inc. 250,015-6, Nov. 27, 1928. Republished May 31.
Supports. Arch. Scholl Manufacturing Company, Inc. 211,205, Apr. 6, 1926. Republished May 31.

CLASS 45

Beverage, Nonalcoholic maltless carbonated. Union Bottling Company. 419,785, Mar. 5, 1946. Republished May 31.
Beverages, Non-alcoholic, maltless. The Fitger Company. 200,052, June 23, 1925. Republished May 31.
Beverages, Non-alcoholic, maltless. The Fitger Company. 226,870, June 14, 1927. Republished May 31.
Beverages, Non-alcoholic, maltless. The Fitzer Company. 274,446, Aug. 26, 1930. Republished May 31.
Powder for making non-alcoholic soft drinks, Maltless. The Jel Sert Company. 300,762, Feb. 7, 1933. Republished May 31.
Sarsaparilla, ginger ale, root beer, etc. The Tebbetts and Garland Store. 117,712, July 24, 1917. Republished May 31.

CLASS 46

Bacon. The Ohio Provision Co. 378,344, Dec. 5, 1939. Republished May 31.
Bacon. The Ohio Provision Co. 375,254, Feb. 13, 1940. Republished May 31.
Bread. Capital City Baking Co. 287,980, Oct. 20, 1931. Republished May 31.
Butter. Davis-Cleaver Produce Company. 188,518, Aug. 26, 1924. Republished May 31.
Cake. Continental Baking Company. 247,986, Oct. 9, 1928. Republished May 31.
Candies, ice cream. J. O. Edy. 302,801, Apr. 25, 1933. Republished May 31.
Candy. Bradas & Gheens. 73,104, re-renewed Mar. 16, 1940. O. G. May 31.
Candy drops, Hard. F & F Laboratories, Inc. 421,962, June 25, 1946. Republished May 31.
Candy drops, Hard. F & F Laboratories, Inc. 428,124, Mar. 11, 1947. Republished May 31.
Cane syrup. W. B. Roddenbery. 282,796, May 5, 1931. Republished May 31.
Canned citrus juices and vegetable juices. W. F. Bradley. 372,134, Oct. 24, 1939. Republished May 31.
Canned fruits. Code-Fortwood Canning Co. 74,469, re-renewed July 13, 1949. O. G. May 31.
Canned fruits. Sutter Packing Company. 251,707, Jan. 15, 1929. Republished May 31.
Canned fruits and canned vegetables and dried fruits. California Fruit Canners Association. 73,508, re-renewed Apr. 27, 1940. O. G. May 31.

Canned fruits and vegetables, etc. The McClintock-Trunkey Co. 74,907, re-renewed Aug. 17, 1949. O. G. May 31.
Canned fruits, canned fish, canned berries, etc. H. S. Groat & Company. 238,208, Jan. 31, 1928. Republished May 31.
Canned fruits, canned vegetables, canned sliced pineapple, and canned sauerkraut. Armstrong Grocery Company. 294,567, May 31, 1932. Republished May 31.
Canned vegetables. California Fruit Canners Association. 73,509, re-renewed Apr. 27 1949. O. G. May 31.
Canned vegetables. Code-Portwood Canning Co. 74,962, re-renewed Aug. 24, 1949. O. G. May 31.
Cereal, Breakfast. Maltex Company. 439,068, June 1, 1943. Republished May 31.
Cheese and butter. National Creamery Company. 254,617, renewed Mar. 26, 1949. O. G. May 31.
Chicken tamale, chili con carne, enchiladas, etc. Workman Packing Company. 259,805, renewed Aug. 6, 1949. O. G. May 31.
Chocolate malt syrup. William S. Scull Company. 249,957, Nov. 27, 1928. Republished May 31.
Coffee. The Tebbetts & Garland Store. 120,452, Feb. 5, 1918. Republished May 31.
Coffee, Blend. The Tebbetts and Garland Store. 117,791, July 31, 1917. Republished May 31.
Confections. A. F. Jacquemoux. 253,743, renewed Mar. 5, 1949. O. G. May 31.
Crackers, hygienic crackers, breakfast food, etc. J. E. Grant. 247,703, renewed Oct. 2, 1948. O. G. May 31.
Eggs. Whitehead Bros. 247,432, Sept. 25, 1928. Republished May 31.
Feed, Hog and pig. Staley Milling Company. 412,312, Feb. 27, 1945. Republished May 31.
Feed, Stock. Hubbard Milling Company. 254,717, renewed Mar. 26, 1949. O. G. May 31.
Feed, Stock and poultry. Washburn Crosby Company. 251,528, Jan. 8, 1929. Republished May 31.
Feed supplement, Hog and pig. Staley Milling Company. 421,003, May 14, 1946. Republished May 31.
Feeds, Pigeon and poultry, bird seed. W. G. Scarlett. 293,470, Apr. 26, 1932. Republished May 31.
Flour, Wheat. The Colorado Milling & Elevator Co. 257,336, June 4, 1929. Republished May 31.
Flour, Wheat. The Larabee Flour Mills Company. 237,753, Jan. 17, 1928. Republished May 31.
Flour, Wheat. The Larabee Flour Mills Company. 244,557, July 24, 1928. Republished May 31.
Flour, Wheat. Minneapolis Milling Company. 242,440, May 22, 1928. Republished May 31.
Flour, Wheat. Piedmont Mills, Inc. 44,378, July 4, 1905. Republished May 31.
Flour, Wheat, corn meal, corn shop mixed feed, etc. Staley Milling Company. 206,452, Dec. 1, 1925. Republished May 31.
Food flavoring powder. Wing Nien Soy Sauce Mfg. Co. 442,789, May 31; Serial No. 519,110, published May 25, 1948.
Food product. Skinner Manufacturing Company. 238,703, Feb. 14, 1928. Republished May 31.
Fruit, Fresh citrus, and citrus juices. F. W. Moore. 345,451, Apr. 27, 1937. Republished May 31.
Fruits, Canned, fresh and dried. Garcia & Maggini Co. 142,542, May 17, 1921. Republished May 31.
Fruits, Citrus. Florida Citrus Exchange. 106,590, Oct. 26, 1915. Republished May 31.
Fruits, Fresh. California Fruit Exchange. 300,681, Jan. 31, 1933. Republished May 31.
Fruits, Fresh, and fresh vegetables. E. H. Spiegl. 180,700, Sept. 23, 1924. Republished May 31.
Fruits, Fresh citrus. F. P. Bowles. 510,237, May 31; Serial No. 531,458, published Feb. 8, 1949.
Fruits, Fresh citrus. Bradford Bros., Inc. 260,092, renewed Aug. 13, 1949. O. G. May 31.
Fruits, Fresh citrus. Inter-State Grove Properties, Inc. 375,114, Feb. 6, 1940. Republished May 31.
Fruits, Fresh citrus. Olive Heights Citrus Association. 203,831-2, Sept. 22, 1925. Republished May 31.
Fruits, Fresh citrus. Pomona Fruit Growers Exchange. 255,509, Apr. 23, 1929. Republished May 31.
Fruits, Fresh citrus. Redlands Foothill Groves. 333,989, Apr. 14, 1936. Republished May 31.
Fruits, Fresh deciduous. Geo. D. Brown & Son, Inc. 438,124, Apr. 6, 1948. Republished May 31.
Gelatine dessert. American Stores Company. 243,886, renewed July 3, 1948. O. G. May 31.
Gelatine dessert mixture, Flavored. C. T. Wegner, Jr. 223,900, Feb. 15, 1927. Republished May 31.
Grain products and preparations thereof, Milled. Staley Milling Company. 341,669, Dec. 22, 1936. Republished May 31.
Grapefruit, Fresh. G. H. Pletcher. 419,494, Feb. 19, 1946. Republished May 31.
Hams, breakfast-bacon, and picnics. John Morrell & Company, Limited. 73,096, June 8, 1909. Republished May 31.
Ice Cream. Loft, Inc. 253,704, renewed Mar. 5, 1949. O. G. May 31.
Ice cream powder. The Jel Sert Company. 327,378, Aug. 27, 1935. Republished May 31.
Milk, Evaporated. The Defiance Dairy Products Company. 258,351, renewed July 2, 1949. O. G. May 31.
Molasses. W. B. Roddenbery. 279,141, Jan. 6, 1931. Republished May 31.
Molasses. W. B. Roddenbery. 284,122, June 16, 1931. Republished May 31.
Oil, Pure salad. N. Goodman & Son. 215,760, July 27, 1926. Republished May 31.
Pastes, Alimentary. Feeser Macaroni Company. 236,914, Dec. 27, 1927. Republished May 31.
Pastes, Alimentary. Feeser Macaroni Company. 236,961, Dec. 27, 1927. Republished May 31.
Peanut butter. W. B. Roddenbery Co. 371,957, Oct. 17, 1939. Republished May 31.
Peanuts, Raw. Ol Mammy Company. 510,285, May 31; Serial No. 537,075, published Feb. 8, 1949.
Pickles and pickle relish. W. B. Roddenbery Co. 346,158, May 18, 1937. Republished May 31.
Pickles, Dill, black pepper, French dressing, etc. Gray and Gray. 425,237, Nov. 12, 1946. Republished May 31.
Pie filling mix, tapioca dessert mix, prepared mustard, etc. National Toilet Company. 417,562, Oct. 30, 1945. Republished May 31.
Poultry, Dressed. Davis-Cleaver Produce Company. 232,842, Sept. 20, 1927. Republished May 31.
Prunes, dates, figs, raisins, etc. The Tebbetts & Garland Store. 120,453, Feb. 5, 1918. Republished May 31.
Raisins. Diebert Bros. & Snyder. 349,661, Aug. 31, 1937. Republished May 31.
Rice. Louisiana State Rice Milling Company, Inc. 255,201, renewed Apr. 16, 1949. O. G. May 31.
Sandwiches. Lance Packing Company. 245,233-4, renewed Aug. 7, 1948. O. G. May 31.
Sarsaparilla, ginger ale, root beer, etc. The Tebbetts and Garland Store. 117,712, July 24, 1917. Republished May 31.
Sugar and syrups. The Franklin Sugar Refining Company. 73,797, re-renewed May 18, 1949. O. G. May 31.
Sugar, Granulated. The American Sugar Refining Company. 73,093, re-renewed Mar. 16, 1949. O. G. May 31.
Sugar, Granulated. The American Sugar Refining Company. 73,095, re-renewed Mar. 16, 1949. O. G. May 31.
Sugar, Granulated. The American Sugar Refining Company. 73,097-8, re-renewed Mar. 16, 1949. O. G. May 31.
Sugar, Hard. The American Sugar Refining Company. 73,099-100, re-renewed Mar. 16, 1949. O. G. May 31.
Syrup, Cane. W. B. Roddenbery. 186,950, July 22, 1924. Republished May 31.
Syrup, Sorghum, blended with corn syrup. W. B. Roddenberry. 213,120, May 18, 1926. Republished May 31.
Syrup, Table. W. B. Roddenbery. 227,863, May 10, 1927. Republished May 31.
Syrup, Table. W. B. Roddenbery. 232,639, Sept. 13, 1927. Republished May 31.
Syrup, Table, and peanut butter. W. B. Roddenbery Co. 385,785, Mar. 18, 1941. Republished May 31.
Syrup, Table, pickles, peanut butter, and pickle relish. W. B. Roddenbery Company. 389,590, Aug. 12, 1941. Republished May 31.
Syrup, Table, pickles, peanut butter, and pickle relishes. W. B. Roddenbery Co. 393,726, Mar. 3, 1942. Republished May 31.
Syrups, Table, peanut butter, and pickles and pickle relish. W. B. Roddenbery Co. 345,906, May 11, 1937. Republished May 31.
Tea. George C. Buell & Co., Inc. 258,361, renewed July 2, 1949. O. G. May 31.
Tea. The Tebbetts & Garland Store. 120,451, Feb. 5, 1918. Republished May 31.
Tea and coffee. George C. Buell & Co., Inc. 258,362, renewed July 2, 1949. O. G. May 31.
Turkeys, Dressed. Safeway Stores, Incorporated. 406,362, Mar. 28, 1944. Republished May 31.
Vegetables, Fresh. D. E. Myers. 427,009, Jan. 21, 1947. Republished May 31.
Vegetables, Fresh. D. E. Myers. 430,769, June 24, 1947. Republished May 31.
Vegetables, Fresh. E. H. Spiegl. 310,711, Mar. 6, 1934. Republished May 31.
Vegetables, Fresh. E. H. Spiegl. 365,255, Feb. 28, 1939. Republished May 31.
Vegetables, Fresh, and fresh citrus fruits. Crawford Produce Company, Inc. 347,760, July 6, 1937. Republished May 31.
Vegetables, Fresh, and melons. Recker-Best Company. 308,133, Nov. 21, 1933. Republished May 31.
Vegetables, Fresh, fresh citrus fruits, fresh deciduous fruits, etc. Standlee & Bryant. 256,931, renewed May 28, 1949. O. G. May 31.
Wheat-flour. W. H. Stokes Milling Co. 68,808, Apr. 28, 1908. Republished May 31.
Wheat-flour. W. H. Stokes Milling Co. 68,919, May 5, 1908. Republished May 31.

CLASS 47

Wine. Padre Vineyard Company. 510,188, May 31; Serial No. 520,294, published Jan. 11, 1949.
Wines. Biaceglia Brothers Wine Co. 401,027, Apr. 20, 1943. Republished May 31.
Wines. A. De Luse & Fils. 54,082, re-renewed June 19, 1946. O. G. May 31.
Wines. H. Nagele's Market. 344,840, Apr. 6, 1937. Republished May 31.

CLASS 48

Beer. Fitger Brewing Company. 437,231, Mar. 9, 1948. Republished May 31.
Beer and ale. Rochester Brewing Company, Inc. 439,469, June 29, 1948. Republished May 31.
Beverages, Malt. The Fitger Company. 307,557, Oct. 31, 1933. Republished May 31.
Beverages, Malt. The Fitger Company. 309,101, Jan. 2, 1934. Republished May 31.
Lager-beer, ale, porter and malt extract. Duluth Brewing & Malting Co. 42,717, May 31, 1904. Republished May 31.

CLASS 49

Brandy, blended whiskey and straight whiskey, etc. The Tebbetts & Garland Store. 116,378, Apr. 24, 1917. Republished May 31.
Concentrate for bar mixes, Lemon. Research Chemical Company. 438,926, May 18, 1948. Republished May 31.
Gin. New England Distillers, Inc. 312,752, May 8, 1934. Republished May 31.
Gin, whiskey, brandy, etc. H. Nagele's Market. 339,967, Oct. 27, 1936. Republished May 31.
Rum. New England Distillers, Inc. 321,960, Feb. 19, 1935. Republished May 31.

CLASS 50

Balls, Ornamental. Bell Industries, Inc. 442,806, May 31; Serial No. 522,730, published Feb. 22, 1949.
Bridge ramps and wooden loading pallets, Metal. Pallet Engineering Company. 510,300, May 31; Serial No. 539,735, published Feb. 22, 1949.
Caps, Metal, and metal lids. Jacques Manufacturing Company. 442,169-70, Mar. 1, 1949. Corrected. O. G. May 31.
Cleaning kit, Rest room. Sterilseat Corporation of America. 510,347, May 31; Serial No. 544,475, published Feb. 22, 1949.
Coverings, Fabric base wall. Frederic Blank & Co., Inc. 385,365, Feb. 25, 1941. Republished May 31.
Coverings in the nature of treated fabric. Frederic Blank & Co., Inc. 392,754, Jan. 13, 1942. Republished May 31.
Fabrics, Water repellent and waterproof. Sea Island Mills, Incorporated. 400,060, Feb. 16, 1943. Republished May 31.
Felt, Carpet. Graham Paper Company. 258,500, renewed July 9, 1949. O. G. May 31.
Kits, Baby. Formulette Company, Inc. 442,783, May 31; Serial No. 517,631, published Feb. 8, 1949.
Traps, Mouse. Hauck Mfg. Co. Inc. 510,245, May 31; Serial No. 533,023, published Feb. 22, 1949.

CLASS 55

Broadcasting facsimile editions of a newspaper. Triangle Publications, Inc. 507,084, Feb. 22, 1949. Corrected. O. G. May 31.
Broadcasting facsimile editions of a newspaper. Triangle Publications, Inc. 507,307, Mar. 1, 1949. Corrected. O. G. May 31.
Transportation of passengers and freight by aircraft. Pan American Airways, Inc. 510,452, May 31; Serial No. 529,923, published Mar. 8, 1949.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 31ST DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Armstrong Cork Company, assignee: *See*—
Carman, Frank H.

Carman, Frank H., Washington, D. C., assignor of Armstrong Cork Company, Lancaster, Pa. Textile machine unit for drafting fibers. Re. 23,117, May 31.

Clayton, Benjamin, assignee: *See*—
Ewing, Frederick J.

Ewing, Frederick J., Arcadia, Calif., assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining, Unincorporated. Process for refining animal and vegetable oils. Re. 23,118, May 31.

Fischer, Alfred, Bronx, N. Y., assignor to Nuodex Products Co., Inc., Elizabeth, N. J. Oil-soluble drier metal salt compositions. Re. 23,119, May 31.

Nuodex Products Co., Inc., assignee: *See*—
Fischer, Alfred.

Refining, Unincorporated, assignee: *See*—
Ewing, Frederick J.

LIST OF PLANT PATENTEES

Brownell, Josephine D., Little Compton, R. I. Rose plant. 841, May 31.

Brownell, Josephine D., Little Compton, R. I. Rose plant. 842, May 31.

Brownell, Josephine D., Little Compton, R. I. Rose plant. 843, May 31.

Byrum, Roy L., assignor to Joseph H. Hill Company, Richmond, Ind. Rose plant. 844, May 31.

Hill, Joseph H., Company, assignee: *See*—
Byrum, Roy L.

LIST OF DESIGN PATENTEES

Abrahamson, Charles M.: *See*—
Karstadt, Clarence, and Abrahamson.

Acco Mfg. Co., Inc., assignee: *See*—
Corbi, Alfred.

All-Steel Equipment, Inc., assignee: *See*—
Karstadt, Clarence, and Abrahamson.

American Machine & Foundry Company, assignee: *See*—
Stammler, John F.

Artolier Corporation, assignee: *See*—
Silberhartz, Philip.

Baron, Leonard, Wauwatosa, assignor to Hobar Corporation, Milwaukee, Wis. Container cap. 153,912, May 31.

Bartlett, Thomas S., London, Ontario, Canada. Dishwashing machine. 153,913, May 31.

Barton, George G., assignor to Hartmann Company, Racine, Wis. Hand luggage case. 153,914, May 31.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Dreyfuss, Henry, and Hose.

Bendix Home Appliances, Inc., assignee: *See*—
Boldt, Melvin H.

Bequette, Bernell J., Arvada, Colo. Belt for wearing apparel. 153,915, May 31.

Berg, Sidney H., East Orange, N. J., assignor to Loft Candy Corporation, Long Island City, N. Y. Container for candy or the like. 153,916, May 31.

Berland Associates, assignee: *See*—
Berlant, Emmanuel.

Berlant, Emmanuel, Culver City, assignor to Berland Associates, Los Angeles, Calif. Dictating machine or similar article. 153,917, May 31.

Bernstein, Milton W., assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Comb holder or the like. 153,918, May 31.

Berra, Albert, Eveleth, Minn. Flower basket. 153,919, May 31.

Boldt, Melvin H., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Washing machine. 153,920, May 31.

Boldt, Melvin H., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Washing machine cabinet. 153,921, May 31.

Brignola, Nicholas F., Troy, N. Y. Ear spatula. 153,922, May 31.

Brown, Paul H., Sr., Detroit, Mich. Laundry tongs. 153,923, May 31.

Campus Jewelry Products, Inc., assignee: *See*—
Lowe, George K.

Clark Sanding Machine Company, assignee: *See*—
Petersen, William L.

Continental Optical Company, Inc., assignee: *See*—
Lauber, John A.

Corbi, Alfred, Pawtucket, R. I., assignor to Acco Mfg. Co., Inc. Bracelet or similar article. 153,924, May 31.

Cornell, Gertrude: *See*—
Marossi, Maurice, and Cornell.

Count-Rite Industries, Inc., assignee: *See*—
Nelson, Robert D.

Crall, James W.: *See*—
Higgs, Melvin, and Crall.

Dehmel, Richard C., Summit, N. J. Flight trainer hood. 153,925, May 31.

Dixon, Harry N., North Hollywood, Calif. Collar cuff iron. 153,926, May 31.

Dr. Pepper Company, assignee: *See*—
Hoople, Warner W.

Dreyfuss, Henry, Pasadena, Calif., and R. H. Hose, Mountainside, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. 153,927, May 31.

Dreyfuss, Henry, Pasadena, Calif., and R. H. Hose, Mountainside, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Desk stand for a hand telephone. 153,928, May 31.

Ekco Products Company, assignee: *See*—
Wagner, Franz.

Fleishman, Myron, Bronx, N. Y. Toy pistol. 153,929, May 31.

Foose, Robert P., assignee: *See*—
Treiss, Herman G.

Fox, Charles A., New York, N. Y. Combined billfold, key case, and coin purse. 153,930, May 31.

Fox Products Company, assignee: *See*—
Medlar, Lewis A.

Francis, Lynn M., Detroit, Mich. Automobile carrying trailer. 153,931, May 31.

Fraser, John H., Marietta, Ohio. Chair. 153,932, May 31.

Gilmore, James J., Sanford, N. C. Chest. 153,933, May 31.

Globe Oil Tools Company, assignee: *See*—
Goodwin, John S.

Goodner, Monroe H., Glendale, Calif., assignor to Stephenson Corporation, Red Bank, N. J. Combination resuscitator, inhalator, and aspirator cabinet. 153,934, May 31.

Goodwin, John S., Whittier, assignor to Globe Oil Tools Company, Los Nietos, Calif. Mobile race control gate. 153,935, May 31.

Goodwin, John S., Whittier, Calif., assignor to Globe Oil Tools Company. Mobile race control gate. 153,936, May 31.

Grabol, Michael, New York, N. Y. Baby's bottle holder or the like. 153,937, May 31.

Graham, Elizabeth N., New York, N. Y. Combined eye shadow and rouge case. 153,938, May 31.

Grant, Foster, Co., Inc., assignee: *See*—
Bernstein, Milton W.
Ulvad, Bernard.

Gunther, Frederick F., assignor to Helmco, Inc., Chicago, Ill. Beverage dispenser or similar article. 153,939, May 31.
Hartmann Company, assignee: *See*—
Barton, George G.
Helmerl, Elsmer M.: *See*—
Watkins, Harold A., and Helmerl.
Helmco, Inc., assignee: *See*—
Gunther, Frederick F.
Higgs, Melvin, Pomona, and J. W. Crail, Los Angeles, Calif. Chair-arm tray. 153,940, May 31.
Hobar Corporation, assignee: *See*—
Haron, Leonard.
Hoople, Warner W., assignor to Dr. Pepper Company, Dallas, Tex. Bottled beverage cooler. 153,941, May 31.
Hose, Robert H.: *See*—
Dreyfuss, Henry, and Hose.
Hotpoint Inc., assignee: *See*—
Sandin, Ray C.
Hussey, Frederick K., New York, N. Y. Portable signal light for motor vehicles or similar article. 153,942, May 31.
Jackson, Adelbert J., Kalamazoo, Mich. Game board. 153,943, May 31.
Jargstorff, Anneliese, Flushing, N. Y. Ash tray. 153,944, May 31.
Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 153,945, May 31.
Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 153,946, May 31.
Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 153,947, May 31.
Jung, Albert H., Flushing, assignor to Victor Indnatries Corporation, Brooklyn, N. Y. Container cap. 153,948, May 31.
Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 153,949, May 31.
Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 153,950, May 31.
Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 153,951, May 31.
Karstadt, Clarence, Glen Ellyn, and C. M. Abrahamson, Aurora, Ill., assignors to All-Steel Equipment, Inc. Desk or similar article. 153,952, May 31.
Kovacs, John J.: *See*—
Smoleroff, Henry J., and Kovacs.
Lane, Paul W., San Rafael, Calif. Trailer. 153,953, May 31.
Lange, Henry F., Cleveland, Ohio. Corner piece. 153,954, May 31.
Lauber, John A., assignor to Continental Optical Company, Inc., Rochester, N. Y. Pair of spectacles. 153,955, May 31.
Lay, John L., Ogden, Pa. Screw cap. 153,956, May 31.
Linnard, Irvin R., Montclair, N. J. Rack. 153,957, May 31.
Lipman, Julius, New York, N. Y. Dress ensemble. 153,958, May 31.
Loft Candy Corporation, assignee: *See*—
Berg, Sidney H.
Loser, Frank T., Oak Park, Ill. Dolly. 153,959, May 31.
Lowe, George K., Warwick, assignor to Campus Jewelry Products, Inc., Providence, R. I. Cuff link or the like. 153,960, May 31.
Malkin, Simon, New York, N. Y. Record display counter. 153,961, May 31.
Manchester Silver Company, Inc., assignee: *See*—
McAlpine, Edward B.
Mankouski, Charles, Newport, N. Y. Ash tray. 153,962, May 31.
Maroesi, Maurice, and G. Cornell, New York, N. Y. Doll or similar article. 153,963, May 31.
McAlpine, Edward B., Cranston, R. I., assignor to Manchester Silver Company, Inc. Spoon or similar article. 153,964, May 31.
McAlpine, Edward B., Cranston, R. I., assignor to Manchester Silver Company, Inc. Spoon or similar article. 153,965, May 31.
McDougall, Laurance, Goliad, Tex. Table ornament or similar article. 153,966, May 31.
McGraw Electric Company, assignee: *See*—
Reinecke, Jean O.
Medlar, Lewis A., Orsland, assignor to Fox Products Company, Philadelphia, Pa. Portable battery charger. 153,967, May 31.
Mid-West Bottle Cap Co., assignee: *See*—
Sonnenberg, Rudolph.
Morrison, Willard L., Jr., assignor to West Bend Aluminum Co., West Bend, Wis. Pressure cooker or the like. 153,968, May 31.
Murray, William H., Honston, Tex. Taxi top light. 153,969, May 31.
Nachman, Joseph, Philadelphia, Pa. Shirt. 153,970, May 31.
Nelson, Charles D., Jr., Arlington, Va. Taxicab cruising light. 153,971, May 31.
Nelson, Charles D., Jr., Arlington, Va. Taxicab cruising light. 153,972, May 31.
Nelson, Robert D., assignor to Count-Rite Industries, Inc., Chicago, Ill. Poker chip counter. 153,973, May 31.
Noma Electric Corporation, assignee: *See*—
Porter, Harry L.
Petersen, William L., West New York, N. J., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Rug scrubbing machine. 153,974, May 31.
Petrus, Lanrits, New York, N. Y. Confectionery dispensing machine. 153,975, May 31.
Porter, Harry L., Cincinnati, Ohio, assignor to Noma Electric Corporation, New York, N. Y. Electric range. 153,976, May 31.
Porter, Harry L., Cincinnati, Ohio, assignor to Noma Electric Corporation, New York, N. Y. Gas range. 153,977, May 31.
Queen, Chester V., Jeffersonville, Ind., assignor to Wheelmaster Corporation, Owensboro, Ky. Tricycle step plate. 153,978, May 31.
Ranahan, Delmar J., Wilmington, Calif. Toy bird. 153,979, May 31.
Raschke, William L., Fort Worth, Tex. Artificial bait. 153,980, May 31.
Reinecke, Jean O., Oak Park, assignor to McGraw Electric Company, Elgin, Ill. Adjusting knob. 153,981, May 31.
Rosenthal, Ethel, New York, N. Y. Dress. 153,982, May 31.
Rysdon, Max L., Sioux Falls, S. Dak. Roof finial. 153,983, May 31.
Sager, Abraham G., Chicago, Ill. Finger ring. 153,984, May 31.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Automatic clothes drier. 153,985, May 31.
Scola, Crescenso J., Providence, R. I. Finger ring. 153,986, May 31.
Silberharts, Philip, Maywood, assignor to Artolier Corporation, Lodi, N. J. Lantern. 153,987, May 31.
Smoleroff, Henry J., and J. J. Kovacs, New York, N. Y. Combination pocket tool. 153,988, May 31.
Snyder, Mahlon C., Hamburg, N. Y. Dolly for transporting airplanes and the like. 153,989, May 31.
Sohn, Monte, New York, N. Y. Toy animal figure or other similar article. 153,990, May 31.
Sonnenberg, Rudolph, assignor to Mid-West Bottle Cap Co., Belvidere, Ill. Bottle cap feeder. 153,991, May 31.
Stammler, John F., New Haven, Conn., assignor to American Machine & Foundry Company. Baking oven or similar article. 153,992, May 31.
Stanley, Chester D., Akron, Ohio. Iron holder. 153,993, May 31.
Stephenson Corporation, assignee: *See*—
Goodner, Monroe H.
Strassner, John F., New York, N. Y. Dress. 153,994, May 31.
Thomas, Nick, Akron, Ohio. Game board. 153,995, May 31.
Treiss, Herman G., Brooklyn, assignor to R. P. Foose, New York, N. Y. Display container or similar article. 153,996, May 31.
Trent, Charles R., assignor of one-half to C. W. Trent, Conway, Ark. Awning. 153,997, May 31.
Trent, Charles W., assignee: *See*—
Trent, Charles R.
Tricarico, Joseph, New York, N. Y. Textile fabric or similar article. 153,998, May 31.
Ulrad, Bernard, assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Powder puff container or the like. 153,999, May 31.
Upson, Marguerite T., Tucson, Ariz. Display figure. 154,000, May 31.
Victor Industries Corporation, assignee: *See*—
Jung, Albert H.
Vogl, Hugh W., Wilmette, Ill. Bench vise or similar article. 154,001, May 31.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Fork or similar article. 154,002, May 31.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Fork or similar article. 154,003, May 31.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Fork or similar article. 154,004, May 31.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Fork or similar article. 154,005, May 31.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Knife or similar article. 154,006, May 31.
Watkins, Harold A., and E. M. Heimerl, Milwaukee, Wis.; said Heimerl assignor to said Watkins. Woman's overshoe. 154,007, May 31.
West Bend Aluminum Co., assignee: *See*—
Morrison, Willard L., Jr.
Wheelmaster Corporation, assignee: *See*—
Queen, Chester V.
Williams, William G., Anaheim, Calif. Pants hanger. 154,008, May 31.
Witske, Julius H., Chicago, Ill. Book end. 154,009, May 31.
Wolf, Semon, New York, N. Y. Slip or similar article. 154,010, May 31.
Womack, Analee, Fort Worth, Tex. Game board. 154,011, May 31.
Zimmermann, Louis F., Chicago, Ill. Cocktail recipe guide. 154,012, May 31.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 31ST DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Mosel A., Evangeline, La. Salt shaker. 2,471,507, May 31.
Adams, Senator W., Birmingham, Ala. Kitchen cabinet with table forming front. 2,471,508, May 31.
Adams, William H., Jr., and H. H. Lebach, assignors to Havey Corporation, Newark, Del. Making furfuryl alcohol resinous products and the product. 2,471,600, May 31.
Adler, Charles, Cincinnati, Ohio. Venetian blind. 2,471,710, May 31.
Aero Supply Mfg. Co., Inc., assignee: *See*—
Downey, George T.
Agriculture, the United States of America as represented by the Secretary of, assignee: *See*—
Reeves, Richard E., and Giddens.
Ahler, Georges, and E. Tourarion, Paris, France, assignors to International Standard Electric Corp., New York, N. Y. Neutrodyning for short waves. 2,471,401, May 31.
Air King Products Company, Inc., assignee: *See*—
Lobel, Seymour.
Air-Maze Corporation, assignee: *See*—
Hanneman, Robert G.
Schaaf, Oliver H.
Air Preheater Corporation, The, assignee: *See*—
Yerrick, William D., and Vickland.
Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Diebold, Eduard.
Alba, Ralph T.: *See*—
Wallerstein, James S., Farber, and Alba.
Alba, Ralph T., and J. S. Wallerstein, assignors, by mesne assignments, to Wallerstein Company, Inc., New York, N. Y. Clarifying and purifying vegetable beverages. 2,471,474, May 31.
Albright, Robert B., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Variable-reslstance phonograph pickup. 2,471,601, May 31.
Alfisi, Giuseppe, Springfield, Mass. Signaling mailbox. 2,471,919, May 31.
Allied Chemical & Dye Corporation, assignee: *See*—
Fricke, Edwin F.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Meyer, Walter A.
Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Schmidt, Wilhelm G.
Altenpohl, William F., Philadelphia, Pa. Automatic weighing and sorting machine. 2,471,711, May 31.
Aluminum Company of America, assignee: *See*—
Menking, Helns.
American Bridge Company, assignee: *See*—
Lucas, Fred H., and Rhodes.
American Chemical Paint Company, assignee: *See*—
Snyder, Eugene.
Spruance, Frank P., Jr.
American Cyanamid Company, assignee: *See*—
Barthel, Justus C., Davis, and Poor.
Conn, Robert C.
Conn, Robert C., and Weiss.
American Optical Company, assignee: *See*—
Grant, Charles T.
Lowber, David D., and Peters.
American Pearl Button Co., assignee: *See*—
Palmer, Rufus N.
American Telephone and Telegraph Company, assignee: *See*—
Bacon, Walter M., and Walker.
American Wheelabrator & Equipment Corporation, assignee: *See*—
Dorian, Morton I.
Anderson, Karl V., assignor to Nordberg Manufacturing Co., Milwaukee, Wis. Inlet and exhaust valve mechanism with associated turbocharger. 2,471,509, May 31.
Anderson, Lloyd L.: *See*—
Mark, Vennice E., and Anderson.
Anderson, Raymond T., Lakewood, assignor, by mesne assignments, to The V. D. Anderson Company, Cleveland, Ohio. Continuous press. 2,471,920, May 31.
Anderson, V. D., Company, The, assignee: *See*—
Anderson, Raymond T.
Andresen, Harold, assignee: *See*—
Frazier, Orville Z.
Andrus, Orrin E., Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Hot-water tank connection. 2,471,475, May 31.
Anish, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Trinuclear iminol cyanine dyes. 2,471,906, May 31.

Anthony, John B., Berkeley, assignor to Kaiser Engineers, Oakland, Calif. Panel. 2,471,510, May 31.
Ark-Les Switch Corporation, assignee: *See*—
Betcheller, Hugh W.
Arnold, Carl S., Cullman, Ala., assignor to Emery Industries, Inc., Cincinnati, Ohio. Dry cleaning. 2,471,667, May 31.
Arnold, Philip M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,471,602, May 31.
Ashdown, Thomas J., East Cleveland, assignor to Thompson Products, Inc., Cleveland, Ohio. Spring loaded collet chucking assembly. 2,471,921, May 31.
Automatic Temperature Control Co., Inc., assignee: *See*—
Hunt, Walter L.
Automatic Voting Machine Corporation, assignee: *See*—
Gustaveon, Alvin N.
Axe, William N., Bartlesville, Okla., assignee to Phillips Petroleum Company. Production of aromatic derivatives. 2,471,922, May 31.
Axelrod, Solomon, New York, N. Y. Basketball toy paddle. 2,471,511, May 31.
Axford, Luther, Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Improving the tensile strength of grey cotton yarn. 2,471,554, May 31.
Bacon, Walter M., New York, N. Y., and C. R. Walker, Jersey City, N. J., said Bacon assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., and said Walker assignor to American Telephone and Telegraph Company. Intercommunication teletypewriter system. 2,471,712, May 31.
Bailey Meter Company, assignee: *See*—
Dickey, Paul S.
Baker, Albert R., Gordon, Nebr. Tractor type hayrake. 2,471,718, May 31.
Baker, John H., Schenectady, N. Y., assignor to General Electric Company. Collector ring assembly. 2,471,808, May 31.
Baker, Malvern S., Muskegon, assignor to Continental Motors Corporation, Detroit, Mich. Transmission. 2,471,668, May 31.
Baker, Malvern S., North Muskegon, assignor to Continental Motors Corporation, Muskegon, Mich. Power-transmitting device. 2,471,669, May 31.
Baker Manufacturing Company, The, assignee: *See*—
Washbond, Harry H., and Beattie.
Baker-Raulang Company, The, assignee: *See*—
Hawkins, Paul E.
Baldwin Locomotive Works, The, assignee: *See*—
Gibbons, Chester H.
Ruge, Arthur C.
Staples, Dana R.
Balmer, Reinhold F.: *See*—
Peck, Kenneth L., and Balmer.
Baltor, Bella M., New York, N. Y. Device for straightening toes. 2,471,997, May 31.
Barlock, Everett W., assignor of one-half to P. S. Reimann, Ann Arbor, Mich. Bottle holder. 2,471,512, May 31.
Barthel, Justus C., Stamford, A. R. Davis, Riverside, and E. N. Poor, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Stabilized dry rosin size composition. 2,471,714, May 31.
Bartlett, Kenneth M.: *See*—
Gibian, Emil F., and Bartlett.
Batcheller, Hugh W., Newton Highlands, assignor to Ark-Les Switch Corporation, Watertown, Mass. Electric connector with spring wire. 2,471,923, May 31.
Bates, Albert H., Rockford, Ill. Piston ring gap-aligning device. 2,471,402, May 31.
Bau, Robert G., North Hollywood, Calif. Dispenser with flow restricting valve. 2,471,852, May 31.
Bauman, William C.: *See*—
Hunter, Melvin J., and Bauman.
Beach, Leland K., Mountainside, and G. C. Connolly, Elizabeth, N. J., assignors to Standard Oil Development Company. Catalytic partial oxidation process. 2,471,853, May 31.
Beatrice, Gabriel C., Shrewsbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Filling thread cutter for weft replenishing looms. 2,471,609, May 31.
Beattie, Orville R.: *See*—
Washbond, Harry H., and Beattie.
Beck, Thomas M.: *See*—
Toy, Arthur D. F., and Beck.
Becker, Abraham S., and V. I. Becker, Los Angeles, Calif. Brassiere. 2,471,670, May 31.
Becker, Victor I.: *See*—
Becker, Abraham S., and V. I.

Beckert, John H., Los Angeles, Calif. Air circulating fan. 2,471,671, May 31.

Bécote, Antoine, St. Etienne, France. Device for producing rectilinear movement of the optical assembly in cinematograph apparatus. 2,471,715, May 31.

Bell, Leon M., Portsmouth, Ohio; P. W. Bell, executrix of said L. M. Bell, deceased. Barrel sput. 2,471,716, May 31.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bacon, Walter M., and Walker.
Bryant, Newton W.
Edson, William A., and Kannenberg.
Lukacs, Joseph J., and Rippere.
Mason, Warren P.
Milioche, Herman A.
Potter, James A.

Bell, Welch, executrix: *See*—
Bell, Leon M.

Bendix Aviation Corporation, assignee: *See*—
MacCallum, Alan M.
Schneck, Frederick W.
Stamper, Hamilton A.

Benes, Gordon J., assignor to Enco Mfg. Co., Chicago, Ill. Turret-type tool post. 2,471,403, May 31.

Bennett, Walter, assignor to Utility Trailer Manufacturing Company, Los Angeles, Calif. Trailer coupling. 2,471,555, May 31.

Benning, Anthony F., Woodstown, and F. B. Downing, Carney's Point, N. J., assignors to Kinetic Chemicals, Inc., Wilmington, Del. Process and apparatus for transmitting energy. 2,471,476, May 31.

Berggren, Detlof E. Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Column-stand for supporting apparatus vertically movable along the column, particularly X-ray apparatus. 2,471,998, May 31.

Bies, Peter H., and F. M. Cruthers, McKeesport, Pa. Fifth wheel lock for trailers. 2,471,554, May 31.

Bird, William C., assignor to Pro-phy-lac-tic Brush Company, Northampton, Mass. Metal-plated plastic brush. 2,471,555, May 31.

Birkle, Carol B., Sheboygan, Wis. Diaper holder. 2,471,556, May 31.

Birtman Electric Company, assignee: *See*—
Howard, Frank S.
Nelson, Ray M.
Sparklin, Charles H.

Bishop, Arthur E. J., assignor to National Motor Springs Pty. Limited, Alexandria, near Sydney, New South Wales, Australia. Retractable mounting and locking device for the wheels of aircraft. 2,471,603, May 31.

Bishop, Willard H., Garrettsville, Ohio. Oil seal removing tool. 2,471,557, May 31.

Black, Sivalls & Bryson, Inc., assignee: *See*—
Kimmell, Garman G.

Blair, Craig A., Hackettstown, N. J., assignor to "X" Laboratories, Inc., New York, N. Y. Leak-stopping compositions. 2,471,856, May 31.

Bleakney, William M., L. F. Zielinski, and C. M. Ede, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Flutter damper. 2,471,857, May 31.

Bloomfield, John J., assignor to Lockheed Aircraft Corporation, Burbank, Calif. Brake cooling means. 2,471,858, May 31.

Boberg, Irving E., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Seal for floating roofs. 2,471,404, May 31.

Bogle, Aubrey B., Highland Park, Mich. Conveyer locking and aligning system. 2,471,513, May 31.

Bolesky, John D., assignor to Metals & Controls Corporation, Attleboro, Mass. Thermal relay. 2,471,924, May 31.

Bolesky, John D., assignor to Metals & Controls Corporation, Attleboro, Mass. Thermal switch. 2,471,925, May 31.

Bolt, Robert O.: *See*—
McBee, Earl T., Bolt, and Tebbe.

Bolta Company, The, assignee: *See*—
Halbach, Ernest W.

Bonalumna, Ernest L.: *See*—
Rossi, Ouido J., and Bonalumna.

Bonnand, Henri, Viroflay, assignor to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, Paris, France. Piston packing. 2,471,477, May 31.

Book Machinery Company Limited, The, assignee: *See*—
French, Lionel J. B. R.

Boos, Adolph, Elmhurst, assignor to John Chatillon & Sons, New York, N. Y. Cable tensiometer. 2,471,999, May 31.

Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Joint assembly. 2,471,672, May 31.

Borek, William S., Worcester, Mass. Support and guard for accordions. 2,471,926, May 31.

Borg-Warner Corporation, assignee: *See*—
La Barre, Dwight.
Wichorek, Edmond F.

Bortnick, Newman M., Philadelphia, and D. J. Butterbaugh, Abington, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of methacrylonitrile from α-aminoisobutyraldoximes. 2,471,927, May 31.

Bortnick, Newman M., and G. W. Cannon, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of methacrylonitrile. 2,471,928, May 31.

Bosshard, Werner: *See*—
Hartmann, Max, and Bosshard.

Bowen, Thomas H., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical jumper line and clamp therefor. 2,472,000, May 31.

Boyer, Charles F., Allentown, Pa. Safety device for pneumatic tools. 2,471,604, May 31.

Boyar, Ralph K., assignor to Designers for Industry, Inc., Cleveland, Ohio. Hair drier. 2,471,405, May 31.

Bradley, Allen, Company, assignee: *See*—
Thomson, Homer G.

Bradley, William H., assignor to Horton Manufacturing Company, Fort Wayne, Ind. Ironing machine control mechanism. 2,471,717, May 31.

Bramberry, Harry M., Sr., assignee: *See*—
Jones, Cerryw F.

Brandell, Elmer, assignee: *See*—
Neal, Ernest C.

Branson, Charles D., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company. Safety type thermostat. 2,471,514, May 31.

Brealt, Delphis C., Lowell, Mass. Pressure regulating valve. 2,471,859, May 31.

Breck, Lawrence W., Cleveland, Ohio. Antifreeze appliance. 2,471,718, May 31.

Breitenstein, Victor W., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Heater controlling circuit. 2,471,929, May 31.

Breuow, Albert B. assignee: *See*—
Zuckerman, Samuel G.

Brigham, Nelson E., Arlington, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Reciprocating pump. 2,471,860, May 31.

Brightman, Earl: *See*—
Bonine, William K., Jr., and Brightman.

Brinkmann, Guenther, assignor to Ex-Cell-O Corporation, Detroit, Mich. Grinding machine. 2,471,406, May 31.

Britten, Edwin F., Jr., Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Ship's log transmission regulator. 2,471,930, May 31.

Broese, Johannes J., Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Pressure controlled injection valve. 2,471,605, May 31.

Bromtt, Wilgus S., Indianapolis, Ind., and H. Montague, Lexington, Ky. Automatic welder's hood control. 2,471,719, May 31.

Bronk, Lester B.: *See*—
Liebhafsky, Herman A., and Bronk.

Brooke, Norman E., Washington, D. C. Weed slasher. 2,471,720, May 31.

Brookfield, Donald W., assignor to Brookfield Engineering Laboratories, Incorporated, Sharon, Mass. Toolholder. 2,472,040, May 31.

Brookfield Engineering Laboratories, Incorporated, assignee: *See*—
Brookfield, Donald W.

Brown, George B., and J. Epstein, Princeton, N. J., assignors to Radio Corporation of America. Antenna. 2,471,815, May 31.

Brown, Robert O.: *See*—
Kimball, Mary H., Harrel, and Brown.

Brueckner, Karl K., assignor to A. O. Smith Corporation, Milwaukee, Wis. Flexible electrode for welding. 2,471,478, May 31.

Bryant, Newton W., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Plan position indicating system and method. 2,471,516, May 31.

Budd Company, The, assignee: *See*—
Callender, Edwin M.
Davies, Henry R.
Davies, Richard S.
Manning, Matthew J., and Eisen.
Van Sciver, Herbert D., II.

Budig, Josef, Elmont, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Chuck. 2,471,407, May 31.

Buhoveckey, Michael, Cleveland, Ohio. Paintbrush protector. 2,472,001, May 31.

Bulldog Electric Products Company, assignee: *See*—
Platts, Elwood T.

Bunch, Benjamin, assignee: *See*—
Bunch, Fred W.

Bunch, Emily E., administratrix, assignee: *See*—
Bunch, Fred W.

Bunch, Fred W., Green Bay, Wis., deceased; E. B. Bunch, administratrix, assignor of thirty-three and one-third per cent to E. E. Bunch, Green Bay, thirty-three and one-third percent to F. W. Bunch, Jr., and thirty-three and one-third per cent to B. Bunch, Eau Claire, Wis. Sanitary drinking glass cleaner. 2,471,721, May 31.

Bunch, Frederick W., Jr., assignee: *See*—
Bunch, Fred W.

Burcher, George E., Jr., Newport News, Va. Carriage. 2,471,558, May 31.

Burne, Bruce, Los Angeles, Calif. Clothespin. 2,471,606, May 31.

Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation. Radio obstacle detection apparatus. 2,471,408, May 31.

Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Indicating tube system. 2,471,409, May 31.

Butler, John M.: *See*—
Seymour, Raymond B., and Butler.

Butterbaugh, Darrel J.: *See*—
Bortnick, Newman M., and Butterbaugh.

C & D Batteries, Inc., assignee: *See*—
Rittenhouse, John, and Peters.

C-O-Two Fire Equipment Co., assignee: *See*—
Cabusac, Clarence N.

Cabes, Lucien A. B.: *See*—
Deakin, Gerald, Hatton, and Cabes.

Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Door construction receiving slidable window. 2,471,810, May 31.

Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Door construction. 2,471,811, May 31.

Cahn, Frank J., assignor to The Emulsol Corporation, Chicago, Ill. Testing of solutions. 2,471,861, May 31.

Cahusac, Clarence N., assignor to C-O-Two Fire Equipment Co., Newark, N. J. Breakable plate switch controlling mechanism. 2,471,410, May 31.

Calkin, Frank G., Glen Rock, assignor to Finch Telecommunications, Inc., Passaic, N. J. Facsimile recording papers. 2,471,607, May 31.

Callender, Edwin M., Cynwyd, assignor to The Budd Company, Philadelphia, Pa. Electrical control system. 2,472,043, May 31.

Caillite Tungsten Corporation, assignee: *See*—
Kurtz, Jacob.

Campbell, Donald A., Cleveland, Ohio. Extensible figure wheeled toy. 2,471,722, May 31.

Candor, Robson E., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Time and temperature controller for domestic appliances. 2,471,862, May 31.

Cannon, George W.: *See*—
Bortnick, Newman M., and Cannon.

Cannon, Melvin C.: *See*—
Lester, Raymond H., and Cannon.

Cannon, Richard L., Spokane, Wash. Fishing reel. 2,471,723, May 31.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Lucas, Fred H., and Rhodes.
Mercer, David L.

Castro, René, Ugine, and A. Lebet, Albertville, assignors to Societe d'Electro-Chimie, d'Electro-Metallurgie et des Acieries Electriques d'Ugine, Paris, France. Welding electrode for hard facing. 2,471,931, May 31.

Caswell, Arthur S., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker contact construction. 2,471,608, May 31.

Celanese Corporation of America, assignee: *See*—
Roberts, Robert P., and Jones.

Chaffee, Edmund L., Milwaukee, Wis. Machine for separating spent hops from wort. 2,471,517, May 31.

Chain Belt Company, assignee: *See*—
Fleischmann, George A.

Chance, A. B., Company, assignee: *See*—
Hubbard, David C.

Chaplin, Merle P., South Portland, Maine. Molded pulp apparatus and method. 2,471,932, May 31.

Charbonneau, Allan P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric immersion heater. 2,471,609, May 31.

Chatillon, John, & Sons, assignee: *See*—
Boos, Adolph.

Chemical Construction Corporation, assignee: *See*—
Streisoff, Samuel.

Chicago Bridge & Iron Company, assignee: *See*—
Boberg, Irving E.

Chicago Rawhide Manufacturing Company, assignee: *See*—
Gardner, Allen F.

Christensen, Carl A., Milwaukee, Wis. Rotatable practice ball bat. 2,471,610, May 31.

Christensen, Niels A., South Euclid, Ohio. Sealing device. 2,471,933, May 31.

Christensen, Niels C., Salt Lake City, Utah. Gas washer. 2,471,724, May 31.

Christley, Paul W.: *See*—
Szabo, Edward J., and Christley.

Chrysler Corporation, assignee: *See*—
Cadwallader, Robert.
Cousino, Walter P.
McCullough, Jack D.
Thomas, Edward B.

Chudner, Joseph, New York, N. Y. Abrasive wheel. 2,471,934, May 31.

Church, Albert E., assignor to Union Manufacturing Company, New Britain, Conn. Power actuated wrench. 2,471,863, May 31.

Ciba Pharmaceutical Products Inc., assignee: *See*—
Hartmann, Max, and Boesshard.

Claesson, Per H. E., Jakobsberg, Sweden. Reactor. 2,471,411, May 31.

Clark, Harry F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Automatic screw and nut release. 2,472,002, May 31.

Clark, Trevor H., Boonton, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Frequency controlled direction finder. 2,471,412, May 31.

Clear, Arthur J.: *See*—
Rinkenbach, William H., and Clear.

Cleeton, Claud E., Washington, D. C. Pulse code-signaling system. 2,471,413, May 31.

Cleveland Clinic Foundation, assignee: *See*—
Gardner, William J.

Clifford, Walter B., Boston, Mass. Mixing valve. 2,471,725, May 31.

Clorox Chemical Co., assignee: *See*—
Morris, Mark M., and Kleeman.

Coffing, Fredrick W., assignor to Coffing Hoist Company, Danville, Ill. Jack operable and supported vise. 2,471,726, May 31.

Coffing Hoist Company, assignee: *See*—
Coffing, Fredrick W.

Coggeshall, Norman D., O'Hara Township, Allegheny County, and M. Muskat, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Method and apparatus for separating charged particles of different masses. 2,471,935, May 31.

Collins, Paul D.: *See*—
Maynard, John R., and Collins.

Colwell, Archie T., Cleveland, Ohio, assignor to Thompson Products, Inc. Making poppet valves. 2,471,936, May 31.

Colwell, Archie T., Cleveland, Ohio, assignor to Thompson Products, Inc. Making hollow poppet valves. 2,471,937, May 31.

Commercial Solvents Corporation, assignee: *See*—
Wilkerson, Claude A.

Conn, Robert C., Bound Brook, N. J., assignor to Americas Cyanamid Company, New York, N. Y. Liquid sulfur dye composition comprising an alkylol amide. 2,472,052, May 31.

Conn, Robert C., Bound Brook, and R. H. Weiss, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of 1-naphthylamine-2-sulfonic acid. 2,471,400, May 31.

Connolly, Gerald C.: *See*—
Beach, Leland K., and Connolly.

Continental Motors Corporation, assignee: *See*—
Baker, Malvern S.

Cook Electric Company, assignee: *See*—
Rose, Arthur E.

Coon, Harold R., Sr.: *See*—
Rapp, Earl J., and Coon, Sr.

Coons, Barton C., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Pear orienting and feeding apparatus. 2,471,479, May 31.

Cote, Alfred, Montreal, Quebec, Canada. Electrical heating unit. 2,471,674, May 31.

Coté, Charles, Windsor, Ontario, Canada. Weight-operated air pump. 2,471,673, May 31.

Cousino, Walter P., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Injection molding apparatus. 2,471,813, May 31.

Cousino, Walter P., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Plastic injection apparatus and method. 2,471,814, May 31.

Crandall, Lon R., assignee: *See*—
De Jongh, Peter.

Creamer, James P., Hamden, assignor to Lea Manufacturing Company, Waterbury, Conn. Apparatus for supplying abrasive to buffing wheels. 2,471,727, May 31.

Cristiano, Angelo M., assignor to Robbins & Myers, Inc., Springfield, Ohio. Electric motor. 2,471,812, May 31.

Crompton & Knowles Loom Works, assignee: *See*—
Beatrice, Gabriel C.
Turner, Richard C.

Crouch, Willie W., and J. E. Pritchard, Bartlesville, Okla., assignors to Phillips Petroleum Company. Ferrous sulfate pretreatment in emulsion polymerization of conjugated diolefins. 2,471,938, May 31.

Cruthers, Finley M.: *See*—
Bies, Peter H., and Cruthers.

Culkosky, Martin, Gary, Ind. Motor brush holder. 2,471,480, May 31.

Cunningham, John F., Jr., Greensburg, assignor to Elliott Company, Jeannette, Pa. Making wire brushes. 2,472,003, May 31.

Curtiss-Wright Corporation, assignee: *See*—
Hamilton, Jack I.

Cutler-Hammer, Inc., assignee: *See*—
Charbonneau, Allan P.

Czernlewica, John P., Mineola, N. Y. Shelf. 2,472,004, May 31.

Dematra, Peter G., Holland, Mich. Pipe clamp. 2,471,611, May 31.

Dasher, John, Galveston, Tex., and J. E. Norman, Malvern, Ark. Conditioning minerals for film concentration. 2,471,414, May 31.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism. 2,471,481, May 31.

Davies, Henry R., assignor to The Budd Company, Philadelphia, Pa. Weld control system. 2,472,041, May 31.

Davies, Richard S., assignor to The Budd Company, Philadelphia, Pa. Percentage power control apparatus. 2,472,042, May 31.

Davis, Arnold R.: *See*—
Barthel, Justus C., Davis, and Poor.

Davis, Douglas P., Burbank, Calif. Pumping mechanism. 2,471,939, May 31.

Dunkin, Gerald, New York, N. Y., W. Hatton, South Orange, N. J., and L. A. B. Cahen, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Telephone calling line identification system. 2,471,416, May 31.

Decca Record Company Limited, The, assignee: *See*—
O'Brien, William J.

De Jongh, Peter, Arlington, N. J., assignor to L. R. Crandall, New York, N. Y. Poultry house. 2,471,675, May 31.

Deloraine, Edmond M., Paris, France, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio communicating system. 2,471,416, May 31.

De Palo, Thomas P., Framingham, Mass. Circumcision clamp. 2,471,864, May 31.

Designers for Industry, Inc., assignee: *See*—
Boyer, Ralph K.

De Swart, Jan, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Bottle carrier. 2,472,005, May 31.

Dickenson, Haydn G.: *See*—
Pickbois, Siegfried, and Dickenson.

Dickey, Paul S., East Cleveland, Ohio, assignor to Bailey Meter Company. Control system. 2,471,726, May 31.

Diebold, Eduard, Zorich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Electromagnetic reciprocating motor. 2,471,729, May 31.

Dieckmann, Albert, Normandy, assignor to Wagner Electric Corporation, St. Louis, Mo. Dual brake adjusting mechanism. 2,471,865, May 31.

Dimmick, Howard S., and F. S. Jenkins, Philadelphia, Pa. Device for locating faults in cables. 2,471,417, May 31.

Dion, Major, Lincoln, R. I. All-purpose work holder for drills and the like. 2,471,940, May 31.

Dorr, Elizabeth C., Newburgh, N. Y. Table attachment for automobile luggage compartments. 2,471,730, May 31.

Dolesal, Richard, Vitkovice, Czechoslovakia. Installation for the granulation of slag. 2,471,559, May 31.

Dorfan, Morton I., Pittsburgh, Pa., assignor to American Wheelabrator & Equipment Corporation. Dust collector for shuttle feed conveyers. 2,472,053, May 31.

Dosker, Cornelius D., assignor to Gamble Brothers, Louisville, Ky. Adjustable jig for manufacturing laminated timbers. 2,472,006, May 31.

Douglas Aircraft Company, Inc., assignee: *See*—
Stewart, Francis S., and Hardy.

Dow Chemical Company, The, assignee: *See*—
Hunter, Melvin J., and Banman.
Klain, Paul, and MacPhail.
Peake, John S., and Robbins.

Downee, Kenneth W.: *See*—
Lowe, Sherwin P., Long, Kent, and Downee.

Downey, George T., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Valve and liner therefor. 2,471,941, May 31.

Downing, Frederick B.: *See*—
Benning, Anthony F., and Downing.

Doyle, Frank P.: *See*—
Kendall, John D., and Doyle.

Drew, Ernest P., New York, N. Y. Method of recovering volatile materials. 2,471,942, May 31.

Duessel, Bernard F., Yonkers, and H. L. Friedman, New York, assignors to Pyridium Corporation, Nepera Park, N. Y. Nicotinic acid amide and preparing same. 2,471,518, May 31.

Duncan Electric Manufacturing Company, assignee: *See*—
Green, Stanley S.

Duncan, Gordon W.: *See*—
Pallwoda, Miriam A., and Duncan.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Hunt, Madison.

Dvorak, James J., Chicago, Ill. Curtain stretcher. 2,471,943, May 31.

Earp, Charles W., London, W. C. 2, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Interference reducing radio impulse receiver. 2,471,418 May 31.

Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Reclaiming synthetic olefin-polyolefin-rubbery polymers. 2,471,866, May 31.

Edson, William A., New York, N. Y., and W. F. Kannenberg, Lyndhurst, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tunable resonant cavity with adjustable walls. 2,471,419, May 31.

Eisen, Paul F.: *See*—
Manning, Matthew J., and Eisen.

Electric Boat Company, assignee: *See*—
Wilson, Perry J.

Electric Construction Company, assignee: *See*—
Milne, John C.

Electro Specialty Manufacturing Co., Inc., assignee: *See*—
Olson, Carl W.

Elgin National Watch Company, assignee: *See*—
Lester, Raymond H., and Cannon.

Elkin, Lauren N., United States Army, Oakland, Calif. Collapsible steam table. 2,471,420, May 31.

Elliott Company, assignee: *See*—
Cunningham, John F., Jr.

Ellis, David G.: *See*—
Willson, Karl S., and Ellis.

Emery Industries, Inc., assignee: *See*—
Arnold, Carl B.

Emulsol Corporation, The, assignee: *See*—
Cahn, Frank J.

Enco Mfg. Co., assignee: *See*—
Benes, Gordon J.

Enochs, Edward L., Modesto, Calif. Hat trick toy. 2,471,876, May 31.

Engineering and Research Corporation, assignee: *See*—
Nagel, Felix.

Epstein, Jess: *See*—
Brown, George H., and Epstein.

Erbe, John R.: *See*—
Stoltz, Glenn E., Erbe, and Geiselman.

Everson, Russell B., Tallman, N. Y., and W. E. Ward, Dover, assignors to The Okonite Company, Passaic, N. J. Sparking electrode for dry electrical testing of insulated wire. 2,471,560, May 31.

Ex-Cell-O Corporation, assignee: *See*—
Brinkmann, Guenther.

Farber, Eduard: *See*—
Wallerstein, James S., Farber, and Alba.

Farkas, Walter G., Palisades Park, and L. A. Flexser, Elizabeth, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Preparing isoalloxazines. 2,472,007, May 31.

Farris, Herman K., and W. Renshaw, Eldorado, Ill. Concrete brick piece. 2,471,721, May 31.

Favre, John A., Drexel Hill, Pa., assignor to General Electric Company, Electric switch. 2,471,315, May 31.

Federal Telephone and Radio Corporation, assignee: *See*—
Budig, Josef.
Busignies, Henri G.
Clark, Trevor H.
Deloraine, Edmond M., and Grieg.
Glauber, John J.
Grieg, Donald D.
Labin, Emil.
Reade, Ralph B., and Grieg.
Young, Norman H., Jr.

Feed Products Laboratories, Inc., assignee: *See*—
Pulley, George N.

Feenberg, Eugene, St. Louis, Mo. Resistance element for coaxial transmission lines. 2,471,732, May 31.

Fellows Gear Shaper Company, The, assignee: *See*—
Norton, Wendell P., Jr.

Fernald, Herman H., Wichita, Kans. Garment hanger. 2,471,944, May 31.

Ferro Enamel Corporation, assignee: *See*—
McIntyre, Glenn H., and Skinner.

Finuccia, Anthony, Cedar Grove, N. J. Snow and ice melting machine. 2,471,733, May 31.

Fielding, Edgar C., Walsall, England. Guard for grinding machines and the like. 2,471,561 May 31.

Figdor, Hans G., assignor to E. F. Houghton and Company, Philadelphia, Pa. Wetting agent. 2,471,946, May 31.

Finch Telecommunications, Inc., assignee: *See*—
Calkin, Frank G.
Vois, Philip R.

Fischer, Friedriech C., De Witt, Nebr. Toggle operated slidable jaw wrench. 2,472,734, May 31.

Fisher, Franklin M., New York, N. Y., and H. C. Hopp, Des Plaines, assignors to Standard Cap and Seal Corporation, Chicago, Ill. Processing cheese and package therefor. 2,471,867, May 31.

Fites, Cyril B., St. Johns, assignor to Wagner Electric Corporation, St. Louis, Mo. Compressor lubrication supply mechanism. 2,471,868, May 31.

Fitterer, George R., Oakmont, assignor to E. H. Heckett, Valencia, Pa. Utilizing metallurgical slags. 2,471,562, May 31.

Fitzgerald, Lawrence C., Oregon, Wis., dedicated to the free use of the People in the territory of the United States. Rotary disk glue applicator. 2,471,519, May 31.

Fleischmann, George A., assignor to Chain Belt Company, Milwaukee, Wis. Semitrailer vehicle with elevating means. 2,471,735, May 31.

Fleming, Harold W., Bartlesville, Okla. assignor to Phillips Petroleum Company. Production of ethylene diformate. 2,471,520, May 31.

Fleming, John G., Pawtucket, R. I., and W. J. Klem, Miami Beach, Fla., assignors, by mesne assignments, to said Fleming. Baseball base. 2,471,736, May 31.

Flexser, Leo A.: *See*—
Farkas, Walter G., and Flexser.

Floedorf, Earl W., Forest Grove, Pa., assignor to Lyophile-Cryochem Corporation, Baltimore, Md. Desiccating orange juice involving freese drying. 2,471,677, May 31.

Floedorf, Earl W., Forest Grove, Pa., assignor to Lyophile-Cryochem Corporation, Baltimore, Md. Desiccating lemon and lime juices. 2,471,678, May 31.

Food Machinery and Chemical Corporation, assignee: *See*—
Coons, Burton C.

Fox, Raymond S., assignor to Niles-Bement-Pond Company, West Hartford, Conn. Air gauge. 2,471,737, May 31.

Frasier, Orville Z., assignor of one-half to H. Andresen, Elkhart, Ind. Atmospheric pressure engine with lateral support for burners. 2,471,421, May 31.

Freeman, Harry, Providence, R. I. Thermoplastic luggage frame. 2,471,612, May 31.

Freeman, Howard G., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Deluge valve. 2,472,008, May 31.

French, Lionel J. B. B., assignor to The Book Machinery Company Limited, London, England. Creasing linings for books and for analogous purposes. 2,471,482, May 31.

Fricke, Edwin F., Flushing, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Making thionyl chloride. 2,471,946, May 31.

Friedman, Harris L.: *See*—
Duessel, Bernard F., and Friedman.

Frost, William F., Williston Park, N. Y., assignor to The Sperry Corporation. Position and speed control system. 2,471,422, May 31.

Fry, Hugh A., Los Angeles, Calif. Cutter mounting. 2,471,613, May 31.

Frydlender, Sophie, assignor to Lancome Societe Anonyme, Paris, France. Lipstick case. 2,471,483, May 31.

Galey, Floyd I., Detroit, Mich. Transporting motor vehicles. 2,471,521, May 31.

Gamble Brothers, assignee: *See*—
Dosker, Cornelius D.

Gardner, Allen F., Birmingham, Mich., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Oil seal. 2,471,679, May 31.

Gardner, Henry A., Laboratory, Inc., assignee: *See*—
Hunter, Richard S.

Gardner, William J., Cleveland Heights, Ohio, assignor to Cleveland Clinic Foundation. Surgical dressing. 2,472,009, May 31.

Garrett, Elmer E., Freeport, R. C. Steck, Mount Vernon, and A. T. Yasensky, Jamaica, N. Y., assignors to Polaroid Corporation, Cambridge, Mass. Photographic film holder. 2,471,522, May 31.

Gates, Major E., Crystal Lake, Ill. Toggle press and molding articles from granular material. 2,471,563, May 31.

Gatter, Louis H.: *See*—
Henderson, Prentice M., and Gatter.

Gaudette, Henry V., Los Angeles, Calif. Folding table. 2,471,564, May 31.

Gebel, Irving, Chicago, Ill., assignor to International Register Co. Coil construction and method. 2,471,869, May 31.

Geiselman, Ralph A.: *See*—
Stoltz, Glenn E., Erbe, and Geiselman.

General Aniline & Film Corporation, assignee: *See*—
Anish, Alfred W.

General Electric Company, assignee: *See*—
Baker, John H.
Favre, John A.
Hamm, Clarence L.
Liebhafsky, Herman A., and Bronk.
Lord, Harold W.
McDowell, Earle B.
Norgaard, Donald E.
Seely, Richard E.
Von Hoorn, Fred G.
Wilcock, Donald F.

General Electric Company Limited, The, assignee: *See*—
Harrison, William J. D.

General Motors Corporation, assignee: *See*—
Candor, Robert R.
Clark, Harry F.
Graham, Charles D.
Kuhn, George.

General Tire & Rubber Company, The, assignee: *See*—
Thiry, Leon F.

Giannini, Gabriel M., West Los Angeles, Calif., assignor, by mesne assignments, to Howe & Fant, Inc., South Norwalk, Conn. Impulse generator for telemetering systems. 2,471,947, May 31.

Gibbons, Chester H., Drexel Hill, Pa., assignor to The Baldwin Locomotive Works. Fluid pressure measuring device. 2,472,045, May 31.

Gibian, Emil F., East Cleveland, and K. M. Bartlett, Cleveland, Ohio, assignors to Thompson Products, Inc. Making poppet valves. 2,471,948, May 31.

Gibson, George A., Jr., New York, N. Y. Toothbrush handle. 2,471,680, May 31.

Giddens, Joel E.: *See*—
Reeves, Richard E., and Giddens.

Gidley, Philip T., Fairhaven, Mass., assignor, by mesne assignments, to Standard Oil Development Company. Oil-resistant composition. 2,471,870, May 31.

Gillette Safety Razor Company, assignee: *See*—
Testi, Nicholas.

Gilman, Frederick C., Pompton Lakes, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Hermetically sealed power transmitting mechanism. 2,472,010, May 31.

Gilman, Russell A., San Gabriel, Calif. Device for controlling the tightness of expanded tube joints. 2,471,614, May 31.

Gilowitz, Benjamin, New York, N. Y. Aromatic earring or other ornament. 2,471,949, May 31.

Gisholt Machine Company, assignee: *See*—
Godfriaux, Louis E.

Gisser, Henry, Philadelphia, Pa. Tester for bearings. 2,471,423, May 31.

Gladden, John N., Glendale, Calif. Bushing. 2,471,615, May 31.

Glauber, John J., West Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electron discharge device. 2,471,424, May 31.

Globe Oil Tools Company, assignee: *See*—
Goodwin, John S.
Stevenson, Edward E.

Glocker, Eugenie, administratrix: *See*—
Glocker, Gustave.

Glocker, Gustave, Washington, D. C.; E. Glocker, administratrix of said G. Glocker, deceased, assignor to Super-Seal Container Corporation, Washington, D. C. Container and closure therefor. 2,471,565, May 31.

Gluharoff, Michael E., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Stop for helicopter blades. 2,471,681, May 31.

Godfriaux, Louis E., assignor to Gisholt Machine Company, Madison, Wis. Piston and cylinder construction for reciprocating hydraulic motors. 2,471,484, May 31.

Goodman, Clark, Cambridge, assignor to New England Mica Company, Waltham, Mass. Mica splitting machine. 2,471,735, May 31.

Goodrich, B. F., Company, The, assignee: *See*—
Harrison, Sinart A.
Wilt, Homer E., and Tincier.

Goodwin, John S., Whittier, assignor to Globe Oil Tools Company, Los Nietos, Calif. Core catcher. 2,471,616, May 31.

Gotti, George A., New York, A. Killian, Elmhurst, and N. Volpicelli, Astoria, N. Y. Link chain. 2,471,950, May 31.

Graham, Charles D., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Air treating apparatus. 2,472,011, May 31.

Graham, Jesse B., La Mesa, Calif. Coin-operated type-writer control apparatus. 2,471,617, May 31.

Granath, Axel G., Chicago, assignor to H. S. Simpson, Evanston, Ill. Mixer. 2,471,487, May 31.

Granberg, Albert J., Oakland, Calif. Strainer. 2,471,951, May 31.

Grant, Charles T., assignor to American Optical Company, Southbridge, Mass. Work support for lens drilling machines. 2,471,871, May 31.

Grant, Harry C., Jr., New York, N. Y., and A. E. Reichard, North Arlington, assignors to Specialties Development Corporation, Bloomfield, N. J. Device for controlling the release of high-pressure fluid mediums. 2,471,425, May 31.

Grant, Richard H., Brooklyn, N. Y. Time cycling device. 2,471,426, May 31.

Green, Stanley S., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Instrument and bearing therefor. 2,471,618, May 31.

Grieg, Jon, New Hope, Pa. Method and apparatus for making molded articles. 2,471,789, May 31.

Grieg, Donald D.: *See*—
Deloraine, Edmond M., and Grieg.
Reade, Ralph B., and Grieg.

Grieg, Donald D., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Interference reducing amplitude modulation detector. 2,471,427, May 31.

Griffith, Dinsmore L., and M. J. Rankin, Flin Flon, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Removing cobalt from electrolytes. 2,471,952, May 31.

Grob, Benjamin, Grafton, Wis. Electric fence post. 2,471,682, May 31.

Groetchen, Richard, Chicago, Ill. Cooking oven with means to withdraw utensils therefrom. 2,471,566, May 31.

Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Mandrel with means for clamping and spreading tubes. 2,471,485, May 31.

Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Constructing propeller foil plates. 2,471,486, May 31.

Gulf Research & Development Company, assignee: *See*—
Cogrenhall, Norman D., and Muskat.
McCarthy, Paul R.

Gusdorf, Frederik H., and A. Horowitz, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit element for tuning an electric circuit over a plurality of frequency bands. 2,471,523, May 31.

Gustavson, A. N., Bemus Point, assignor to Automatic Voting Machine Corporation, Jamestown, N. Y. Voting machine. 2,471,567, May 31.

Haag-Streit Werkstatten fur Prazisionsmechanik, assignee: *See*—
Paprita, Hans.

Halbach, Ernest W., Andover, assignor to The Bolta Company, Lawrence, Mass. Multiple nozzle mechanism for injection molding machines. 2,471,683, May 31.

Hall, Edwin S., Farmington, Conn. Barrel engine mounting. 2,471,428, May 31.

Hamilton, Bertie F., assignor to Hamilton Manufacturing Corporation, Columbus, Ind. Metal furniture. 2,471,740, May 31.

Hamilton, Jack L., Essex Fells, N. J., assignor to Curtiss-Wright Corporation. Pitch controlling system for propeller blades. 2,471,953, May 31.
Hamilton Manufacturing Company, assignee: *See*—
Hamilton, Bertis F.
Merrett, Earle B.
Hamm, Clarence L., Marblehead, Mass., assignor to General Electric Company. Bobbin spindle. 2,471,816, May 31.
Hancock, Peter F.: *See*—
Roblette, Alfred G., Evans, and Hancock.
Hanklas Container Company, The, assignee: *See*—
Miessler, Paul W.
Hanneman, Robert G., assignor to Air-Mase Corporation, Cleveland, Ohio. Liquid filter. 2,472,012, May 31.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Calibrating peak current meter. 2,472,013, May 31.
Hardy, Gordon W., Cleveland Heights, Ohio. Hydraulic pressure transmitter. 2,471,619, May 31.
Hardy, Vernal R.: *See*—
Stewart, Francis S., and Hardy.
Harrel, Chastain G.: *See*—
Kimball, Mary H., Harrel, and Brown.
Harris, Julius H., Dallas, Tex. Expendable razor. 2,471,620, May 31.
Harris, Robert C., Fort Wayne, Ind. Electric generator. 2,471,741, May 31.
Harrison, Stuart A., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of acrylonitrile. 2,471,742, May 31.
Harrison, Stuart A., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Aqueous emulsion polymerization of acrylonitrile in the presence of an aromatic hydrocarbon. 2,471,743, May 31.
Harrison, William J. D., Coventry, assignor to The General Electric Company Limited, London, England. Electrical switching device. 2,471,568, May 31.
Harshaw Chemical Company, The, assignee: *See*—
Willson, Karl S., and Ellis.
Hartford National Bank and Trust Company, assignee: trustee: *See*—
Berggren, Detlof E.
Gusdorf, Frederik H., and Horowitz.
Kerbof, Frederik.
Hartmann, Max, and W. Boshard, Richen, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Mercury compounds and making same. 2,471,621, May 31.
Hartmann, Max, and W. Boshard, Richen, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Mercury compounds and preparing same. 2,471,622, May 31.
Harvey, Walter J., Toronto, Ontario, Canada. Reflecting and focusing apparatus with pivotally adjustable spaced apart reflecting members for heat and light rays. 2,471,954, May 31.
Hastings, James E., assignor to The L. S. Starrett Company, Athol, Mass. Machinist's gauge. 2,471,684, May 31.
Hatch, Robert L., assignor to Rodney Hunt Machine Company, Orange, Mass. Bench stand table lift. 2,471,955, May 31.
Hathaway, Madeleine P., executor: *See*—
Perkins, Hiram A.
Hatton, William: *See*—
Deakin, Gerald, Hatton, and Cabes.
Haug, John S.: *See*—
Spahr, Floyd W., and Haug.
Haveg Corporation, assignee: *See*—
Adams, William H., Jr., and Lebach.
Lebach, Hans H.
McWhorter, Purnal L., Jr.
Hawkins, Paul E., Lakewood, assignor to The Baker-Raulang Company, Cleveland, Ohio. Mounting for the driving and operating mechanisms of industrial trucks. 2,471,429, May 31.
Hay, Malcolm, Canajoharie, N. Y. Radio receiving set. 2,471,569, May 31.
Heald, Raymond E., Plainfield, Ind. Combustion system for turbine engines. 2,472,014, May 31.
Heckett, Eric H., assignee: *See*—
Fitterer, George B.
Heil Co., The, assignee: *See*—
Reits, Donald S.
Henderson, Prentice M., and L. H. Gatter, St. Louis, Mo. Window frame and double sash unit. 2,471,685, May 31.
Hendricks, John R., assignee: *See*—
Seiders, Le Roy E.
Hendricks, William L., Los Angeles, Calif. Antiglare rearview mirror attachment. 2,471,524, May 31.
Hendy, Joshua, Iron Works, assignee: *See*—
Talamini, Elio J.
Henkel, Andrew B., Rochester, N. Y. Slip-on jacket for molds. 2,472,015, May 31.
Hercules Powder Company, assignee: *See*—
Rummelsburg, Alfred L.
Hershberger, William D., Princeton, N. J., assignor to Radio Corporation of America. Measuring microwave power. 2,471,744, May 31.
Hers, Alfred, Chicago, Ill. Variable impedance device. 2,471,817, May 31.
Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America, as represented by the Secretary of War. Spacer trap for rockets. 2,471,745, May 31.
Hielen, Henry: *See*—
Parks, John R., and Hielen.
Higbee, Glenn A., Detroit, Mich. Telephone number listing attachment. 2,471,430, May 31.
Hilbert, Rudolph, Salt Lake City, Utah. Gauge tool for timing Diesel engines. 2,471,746, May 31.
Hillyer, John C., and J. P. Wilson, Bartlesville, Okla., assignors to Phillips Petroleum Company. Reaction of an acetylene with HF to produce vinyl fluoride and/or difluoroethane and homologues thereof. 2,471,525, May 31.
Hiltner, Walter F., Pasadena, Calif. Celestial navigation instrument. 2,471,686, May 31.
Hinden, Hellmut: *See*—
Hinden, Werner and H., Rio de Janeiro, Brazil. Centrifugally operable clutch. 2,471,747, May 31.
Hoesling, John, assignee: *See*—
Russell, Joseph.
Hoffman-La Roche Inc., assignee: *See*—
Farkas, Walter G., and Flexser.
Holl, James W. F., Los Angeles, Calif. Torque equalising braking apparatus. 2,471,956, May 31.
Holmes, Donald H., assignor to Norton Company, Worcester, Mass. Hydraulic table reciprocating mechanism. 2,471,688, May 31.
Holmes, Gifford L., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Dynamic damper counterbalance. 2,471,687, May 31.
Hopp, Harold C.: *See*—
Fisher, Franklin M., and Hopp.
Horne, William R., Los Angeles, Calif. Animal trap. 2,471,748, May 31.
Horney, Amos G.: *See*—
McFadden, George H., Lyman, and Horney.
Horowitz, Alexandre: *See*—
Gusdorf, Frederik H., and Horowitz.
Hotchkiss, Thomas, Sr., St. Louis, Mo. Trailer coupling. 2,471,689, May 31.
Houdaille-Hershey Corporation, assignee: *See*—
Johnson, Bernard C.
Houghton, E. F., and Company, assignee: *See*—
Figdor, Hans G.
Howard, Frank S., Chicago, Ill., assignor to Birtman Electric Company. Vacuum cleaner bag attachment. 2,471,431, May 31.
Howe & Fant, Inc., assignee: *See*—
Giannini, Gabriel M.
Howland, Paul L., Wichita, Kans. Auxiliary throttle valve control. 2,471,690, May 31.
Howle, Ernest O., Chicago, Ill. Furnace. 2,471,749, May 31.
Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Electrical connector. 2,471,957, May 31.
Hubbell, Adrian O., Long Beach, Calif. Apparatus for handling fluids. 2,471,623, May 31.
Hudson Bay Mining and Smelting Co., Limited, assignee: *See*—
Griffith, Dinsmore L., and Rankin.
Lowe, Sherwin P., Long, Kent, and Downes.
Humphreys, Velma L., Portland, Oreg. Protective device for casters. 2,471,958, May 31.
Hungerford, Daniel C., Madison, assignor to Hungerford Plastics Corporation, New Providence, N. J. Mending device. 2,472,016, May 31.
Hungerford Plastics Corporation, assignee: *See*—
Hungerford, Daniel C.
Hunt, Madison, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerisations employing azo compounds as catalysts. 2,471,959, May 31.
Hunt, Rodney, Machine Company, assignee: *See*—
Hatch, Robert L.
Hunt, Walter L., assignee to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Controlling system for condition regulators. 2,471,872, May 31.
Hunt, Walter L., assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Timer. 2,471,873, May 31.
Hunter, Melvin J., and W. C. Bauman, assignors to The Dow Chemical Company, Midland, Mich. Carboxylated resins and making same. 2,471,818, May 31.
Hunter, Richard S., Franklin Park, Va., assignor to Henry A. Gardner Laboratory, Inc., Bethesda, Md. Photoelectric glossometer. 2,471,750, May 31.
Hurst, Francis M., Sumter, S. C. Child's crib having a movable partition. 2,471,691, May 31.
Hutsell, Thomas A., Renton, Wash. Collapsible golf bag cart. 2,471,751, May 31.
I. T. E. Circuit Breaker Company, assignee: *See*—
Caswell, Arthur S.
Ilford Limited, assignee: *See*—
Kendall, John D., and Doyle.
Illinois Testing Laboratories, Inc., assignee: *See*—
Breitenstein, Victor W.
Imperial Chemical Industries Limited, assignee: *See*—
Wright, Harold R., and Taylor.
Industrial Rayon Corporation, assignee: *See*—
Szabo, Edward J., and Christley.

Ingmanson, John H., New Haven, assignor to The Whitney Blake Company, Hamden, Conn. Covering wire conductors. 2,471,752, May 31.
International Nickel Company, Inc., The, assignee: *See*—
Roblette, Alfred G. E., and Hancock.
Tietz, Herbert D.
International Register Co., assignee: *See*—
Gebel, Irving.
International Standard Electric Corporation, assignee: *See*—
Ahier, Georges, and Tonraton.
Deakin, Gerald, Hatton, and Cabes.
Earp, Charles W.
Platon, Edmond D. V.
Shepard, Stanley C.
Van Hasselt, Marc.
Weston, William K.
Wildbore, Wilfred J. L., and Keenan.
Irons, Mildred L., administratrix: *See*—
Marsh, Rutherford H.
Iangerich, Frank L., Webster Groves, assignor to W. Poche, St. Louis, Mo. Food preservation. 2,472,017, May 31.
Jagzi, Lewis P., Dayton, Ohio. Wavemeter to calibrate panoramic receivers. 2,471,432, May 31.
Jenkins, Felton S.: *See*—
Dimmick, Howard S., and Jenkins.
Jensen, Hans F. T., Los Angeles, Calif. Dental hand piece. 2,471,526, May 31.
Johns, Harry W., Beverly Hills, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Dump car. 2,471,874, May 31.
Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Condenser. 2,471,960, May 31.
Johnson, Joseph A., Seattle, Wash. Brush lifter. 2,472,018, May 31.
Johnson, S. C., & Son, Inc., assignee: *See*—
Wilder, Edward A.
Johnston, George, St. Clair, Mich. Pump device. 2,471,753, May 31.
Johnston, Lawrence, Meadville, Pa. Cylinder hydraulic washer. 2,471,624, May 31.
Johnstone, Harold G., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical mounting device. 2,471,425, May 31.
Jonas, Le Roy F., Wausau, Wis. Drinking cup for mink or other penned animals. 2,471,527, May 31.
Jones, Allan H., Newark, N. J. Shockproof gauge mounting. 2,471,961, May 31.
Jones, Cernyw F., Maywood, Ill., assignor, by mesne assignments, to H. M. Bramberry, Sr., New Castle, Ind. Workholder for piston ring heat-treatment. 2,471,754, May 31.
Jones, Frederick M., assignor, by mesne assignments, to U. S. Thermo Control Co., Minneapolis, Minn. Preventing frosting of evaporator heat exchangers. 2,471,692, May 31.
Jones, Henry G., Austin, Tex. Movable awning. 2,471,962, May 31.
Jones, Kenneth: *See*—
Roberts, Robert P., and Jones.
Jones, Peter C.: *See*—
Melvin, Grant C., Jones, and White.
Joy Manufacturing Company, assignee: *See*—
Russell, John D., and Woolf.
Juchter, Pieter, assignee: *See*—
McDowell, Earle B.
Kahn, Lee M., New York, N. Y. Clothes-washing machine. 2,471,433, May 31.
Kaiser Engineers, assignee: *See*—
Anthony, John B.
Kaloyereas, Socrates A., assignor to Board of Supervisors of Louisiana State University and Agricultural and Mechanical College, Baton Rouge, La. Preservation of eggs by freezing. 2,471,626, May 31.
Kalter, Harold E., assignor to The Troxel Manufacturing Company, Elyria, Ohio. Post and clamp mechanism for cycle saddles. 2,471,627, May 31.
Kannenberg, Walter F.: *See*—
Edson, William A., and Kannenberg.
Kaplan, Max, New York, N. Y. Two-part pocket case. 2,471,963, May 31.
Karrer, Werner, Zurich, assignor to Maschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. Steam-air-thermal power plant. 2,471,755, May 31.
Kearney, James R., Corporation, assignee: *See*—
Bowen, Thomas H.
Keenan, James M.: *See*—
Wildbore, Wilfred J. L., and Keenan.
Kehrer, Fritz: *See*—
Wehrli, Walter, and Kehrer.
Kendall, John D., and F. P. Doyle, assignors to Ilford Limited, Ilford, England. Cyanine dyestuffs. 2,471,488, May 31.
Kent, George H.: *See*—
Lowe, Sherwin P., Long, Kent, and Downes.
Kerkhof, Frederik, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit for generating a saw tooth-like current in the deflecting coil of cathode-ray tubes. 2,471,819, May 31.
Kester, Bruce E., Palatine, assignor to United States Gypsum Company, Chicago, Ill. Making stabilized gel-type hydrated lime. 2,471,875, May 31.
Kharasch, Morris S., and W. H. Urry, Chicago, Ill., assignors to United States Rubber Company, New York, N. Y. Addition of chlorinated acetic acid derivatives to olefins. 2,471,570, May 31.
Killian, Andrew: *See*—
Gotti, George A., Killian, and Volpicelli.
Kimball, Mary H., C. G. Harrel, and R. O. Brown, assignors to Pillsbury Mills, Inc., Minneapolis, Minn. Dry salad dressing. 2,471,434, May 31.
Kimball, Mary H., C. G. Harrel, and R. O. Brown, assignors to Pillsbury Mills, Inc., Minneapolis, Minn. Ingredient for prepared food mixes and preparing same. 2,471,435, May 31.
Kimmell, Garman O., Oklahoma City, Okla., assignor to Black, Sivalls & Bryson, Inc., Kansas City, Mo. Separator. 2,471,571, May 31.
Kinderman, Walter J., assignor to Yarnall-Waring Company, Philadelphia, Pa. Following and recording. 2,472,019, May 31.
Kinetic Chemicals, Inc., assignee: *See*—
Benning, Anthony F., and Downing.
Kingston Products Corporation, assignee: *See*—
Woolley, Lee A.
Kinney, J. Warren, Jr., assignee: *See*—
Seiders, Le Roy E.
Kirsch, Murray, Mamaroneck, N. Y. Lighted cigarette dispenser. 2,471,820, May 31.
Kleskalt, Adam J., Grosse Pointe Farms, Mich. Apparatus for drying and heat-treating. 2,471,964, May 31.
Klais, Paul, Midland, and R. B. MacPhail, Bay City, assignors to The Dow Chemical Company, Midland, Mich. Gas shielded carbon arc welding of magnesium. 2,472,020, May 31.
Kleeman, Annete K.: *See*—
Morris, Mark M., and Kleeman.
Klem, William J.: *See*—
Fleming, John G., and Klem.
Kling, Lester E., Yorktown, Va. Child's rocking bowl. 2,471,628, May 31.
Knecht, Oscar, and T. Wirth, Basel, assignor to Sandoz Limited, Fribourg, Switzerland. Manoazo pyrazolone dyes. 2,471,628, May 31.
Koleske, Otto: *See*—
Ward, George A., and Koleske.
Koppers Company, Inc., assignee: *See*—
Shaw, Joseph A.
Krumbhaar, William, New York, N. Y. Depolymerized copal-like resinous esters. 2,471,629, May 31.
Kuhn, George, Silver Spring, Md., assignor to General Motors Corporation, Dayton, Ohio. Clothes-washing and cleaning machine. 2,471,876, May 31.
Kurtz, Jacob, Teaneck, assignor to Callite Tungsten Corporation, Union City, N. J. Pressed and sintered oxidation resistant nickel alloys. 2,471,630, May 31.
Kutzler, Robert J., and T. J. Wilson, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Aircraft control apparatus. 2,471,821, May 31.
La Barre, Dwight, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Cabinet with drawer and work board combination. 2,471,629, May 31.
Labin, Emile, New York, N. Y., assignor to Federal Telephone and Radio Corporation, Newark, N. J. Transmitter-receiver system. 2,471,436, May 31.
L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude, assignee: *See*—
Bonnaud, Henri.
Lancome Societe Anonyme, assignee: *See*—
Frydlender, Sophie.
Lane, Stanley C.: *See*—
Warth, Walter A., and Lane.
Lane-Wells Company, assignee: *See*—
Otis, Russell M.
Lang, Karl A., Glenview, assignor to Lindberg Engineering Company, Chicago, Ill. Current control apparatus. 2,471,822, May 31.
Lang, Karl A., Glenview, assignor to Lindberg Engineering Company, Chicago, Ill. Current regulating device. 2,471,823, May 31.
Larson, Lloyd A., Oakland, Calif. Portable and foldable vehicle lifting ramp. 2,471,756, May 31.
Lea Manufacturing Company, assignee: *See*—
Creamer, James P.
Lebach, Hans H.: *See*—
Adams, William H., Jr., and Lebach.
Lebach, Hans H., assignor to Haveg Corporation, Newark, Del. Furfuryl alcohol-phenol aldehyde resinous products and making the same. 2,471,631, May 31.
Lebet, André: *See*—
Castro, René and Lebet.
Lemos, Manuel G., New York, N. Y. Line producing device for typewriters. 2,471,757, May 31.
Leotakis, Christy N., Portland, Oreg. Shoe stitching machine. 2,471,877, May 31.
Lester, Raymond H., Pittsburgh, Pa., and M. C. Cannon, Aurora, assignors to Elgin National Watch Company, Elgin, Ill. Method and apparatus for producing sapphire hollow articles. 2,471,437, May 31.
Lewis, Albert M., Detroit, Mich. Lid lifter and carrier. 2,471,878, May 31.
Libby, Carl F., Stoughton, Mass. Selvage forming mechanism. 2,471,758, May 31.
Liebhafsky, Herman A., and L. B. Brook, Schenectady, N. Y., assignors to General Electric Company. Recovery of silver from residues containing the same. 2,471,824, May 31.

Ligett, Waldo B.: *See*—
McBee, Earl T., Lindgren, and Ligett.
Lilienfeld, Jacob, assignee to Lit Brothers, Philadelphia, Pa. Pallet construction. 2,471,693, May 31.
Lindberg Engineering Company, assignee: *See*—
Lang, Karl A.
Lindgren, Vincent V.: *See*—
McBee, Earl T., Lindgren, and Ligett.
Lit Brothers, assignee: *See*—
Lilienfeld, Jacob.
Lobel, Seymour, Brooklyn, N. Y., assignor to Air King Products Company, Inc. System for comparing synchronized wave signals. 2,471,530, May 31.
Lockheed Aircraft Corporation, assignee: *See*—
Bleakney, William M., and Zielinski.
Bloomfield, John J.
Johns, Harry W.
Price, Nathan C.
Pulver, Wilfrid A.
Loker, Elmer H., assignor of one-half to E. P. Stahly, Sioux City, Iowa. Teetering device. 2,471,572, May 31.
Long, George W.: *See*—
Lowe, Sherwin P., Long, Kent, and Downes.
Long, Margaret, Baltimore, Md. Electric razor holder. 2,471,825, May 31.
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electronic control circuit for performing a timing function. 2,471,826, May 31.
Louisiana State University and Agricultural and Mechanical College, Board of Supervisors, of, assignee: *See*—
Kaloyereas, Socrates A.
Lowber, David D., Snyder, and L. J. Peters, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Vertical illuminator. 2,471,879, May 31.
Lowe, Clinton A., assignee: *See*—
Lumpkin, Kenneth L.
Lowe, Sherwin P., G. W. Long, G. H. Kent, and K. W. Downes, Flin Flon, Manitoba, assignors to Hudson Bay Mining and Smelting Co., Limited, Winnipeg, Manitoba, Canada. Electrolytically producing zinc of high purity. 2,471,965, May 31.
Lowrey, George A., Houston, Tex. Pipe coupling. 2,471,759, May 31.
Lucas, Donald F., assignee: *See*—
Pandolfi, Albert.
Lucas, Fred H., Winnetka, Ill., and G. E. Rhodes, Gary, Ind., assignors to Carnegie-Illinois Steel Corporation, and American Bridge Company. Method of and apparatus for inspecting and assorting metal disks and the like. 2,471,489, May 31.
Lucas-Milhaupt Engineering Sales Co., assignee: *See*—
Pandolfi, Albert.
Ludwig, Norman C., Chicago, Ill., assignor to Universal Atlas Cement Company. Retarded cement. 2,471,632, May 31.
Lufkin Rule Co., The, assignee: *See*—
Witchger, Eugene J.
Lukacs, Joseph J., New Rochelle, and R. O. Rippere, Massapequa, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ground trainer for aircraft personnel. 2,471,966, May 31.
Lumpkin, Kenneth L., Gladwater, assignor of one-fourth to C. A. Lowe, Houston, Tex. Aerated minnow bucket. 2,471,573, May 31.
Lutz, George B., Lakewood, Ohio. Electric circuit controller. 2,471,633, May 31.
Lyman, John F.: *See*—
McFadden, George H., Lyman, and Horney.
Lynch Corporation, assignee: *See*—
Rapp, Earl J., and Coon, St.
Lyophile-Cryochem Corporation, assignee: *See*—
Ploedorf, Earl W.
MacCallum, Alan M., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Automatic steering control. 2,471,637, May 31.
MacDonald, Karl, Wellsville, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Valve. 2,471,860, May 31.
Machler, Raymond C.: *See*—
Wilson, Benjamin J., Machler, Polster, and Murray.
MacPhail, Robert: *See*—
Klain, Paul, and MacPhail.
Maestri, Benjamin, Chicago, Ill. Adjustable metallic wrist band. 2,471,694, May 31.
Magrath, George, Whitinsville, Mass. Bobbin clutch. 2,471,874, May 31.
Mahan, Joseph R., Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Welded gear blank. 2,471,827, May 31.
Malcom, Glen, assignor to Reeves Pulley Company, Columbus, Ind. Braking means for electric motors. 2,472,046, May 31.
Manning, Matthew J., and P. F. Eisen, Detroit, Mich., assignors to The Budd Company, Philadelphia, Pa. Portable welding device. 2,471,881, May 31.
Manske, Richard H. F., Guelph, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y. Preparing 2,4-dichlorophenoxy-acetic acid. 2,471,575, May 31.
Mark, Vennice E., and L. L. Anderson, Grand Rapids, assignors to Winters & Crampton Corporation, Grandville, Mich. Refrigerator closure and seal. 2,471,634, May 31.
Mark, Vennice E., and L. L. Anderson, Grand Rapids, assignors to Winters & Crampton Corporation, Grandville, Mich. Magnetic door closure and seal. 2,471,635, May 31.
Marsh, Jas. P., Corporation, assignee: *See*—
Rose, Alexander D., and Willisch.
Marsh, Rutherford H., Girard, Pa.; M. L. Irons, administratrix of said R. H. Marsh, deceased. Oscillatory washing machine agitator. 2,471,760, May 31.
Martin, Warren S., Massapequa, N. Y. Converting material. 2,471,882, May 31.
Martin, William E., Kewanee, Ill. Trailer connection. 2,471,836, May 31.
Maschinenfabrik Oerlikon, assignee: *See*—
Karrer, Werner.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric type switching relay. 2,471,967, May 31.
Matmer, Simon, New York, N. Y. Composite ornamental strip. 2,471,576, May 31.
Mautner, Steven E., assignor to Skydyne, Inc., Port Jervis, N. Y. Parabolic antenna. 2,471,828, May 31.
Maynard, John E., Detroit, Mich., and P. O. Collins, Elyria, Ohio. Damper. 2,471,980, May 31.
McBee, Earl T., R. O. Bolt, and R. Tebbe, assignors to Purdue Research Foundation, La Fayette, Ind. Hydrocarbonoxybis trifluoromethyl benzenes. 2,471,829, May 31.
McBee, Earl T., La Fayette, Ind., R. O. Bolt, Richmond, Calif., and R. Tebbe, Orono, Maine, assignors to Purdue Research Foundation, La Fayette, Ind. Hydrocarbonoxy(trifluoromethyl)-benzene synthesis. 2,471,830, May 31.
McBee, Earl T., La Fayette, Ind., V. V. Lindgren, Cos Cob, Conn., and W. B. Ligett, Berkley, Mich., assignors to Purdue Research Foundation, La Fayette, Ind. Bromine trifluoride treatment of halohydrocarbons. 2,471,831, May 31.
McCarthy, Paul R., Allison Park, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Rust preventive compositions. 2,471,638, May 31.
McCollum, Henry J. D., deceased, late of Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater with Knipp's singing tubes. 2,471,832, May 31.
McCollum, Henry J. D., deceased, late of Chicago, Ill., by T. McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Combustion heater with fuel retaining trough and igniter pocket. 2,471,833, May 31.
McCollum, Thelma, executrix: *See*—
McCollum, Henry J. D.
McCullough, Ira J., Ploche, Nev. Method of and apparatus for forming wells. 2,471,695, May 31.
McCullough, Jack D., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Indicating device. 2,471,988, May 31.
McDowell, Earle B., and P. Juchter, Scotia, N. Y., assignors to General Electric Company. Electronic relay. 2,471,834, May 31.
McElhinney, Eric M., Dysart, Iowa. Loading machine. 2,471,630, May 31.
McFadden, George H., assignor to The Ohio State University Research Foundation, Columbus, Ohio. Rubber-like articles and making same. 2,472,054, May 31.
McFadden, George H., and J. F. Lyman, Columbus, Ohio, and A. G. Horney, Merrifield, Va., assignors to The Ohio State University Research Foundation, Columbus, Ohio. Rubber-like articles and making same. 2,472,055, May 31.
McFadden, Leo M., Denver, Colo., assignor to R. W. McKee, Jr., Lodi, Calif. Electric insect and rodent trap. 2,471,640, May 31.
McIntyre, Glenn H., Cleveland Heights, and R. E. Skinner, Lakewood, assignors to Ferro Enamel Corporation, Cleveland, Ohio. Electrode. 2,471,531, May 31.
McKee, Roy W., Jr., assignee: *See*—
McFadden, Leo M.
McMillan, Daniel S., Raleigh, N. C. Gun sight. 2,471,761, May 31.
McWhorter, Purnal L., Jr., Odessa, assignor to Haveg Corporation, Newark, Del. Making a furfuryl alcohol resin. 2,471,438, May 31.
Melvin, Grant C., Springfield, P. C. Jones, and S. B. White, Dayton, Ohio. Device for simulating runway localizer and glide path beams for training purposes. 2,471,439, May 31.
Menking, Heinz, Rocky River, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Picker stick. 2,471,532, May 31.
Mercer, David L., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Apparatus for making structural shapes. 2,471,490, May 31.
Merck & Co., Inc., assignee: *See*—
Minion, Huang.
Merrett, Earle E., assignor to Hamilton Manufacturing Company, Manitowoc, Wis. Play pen construction. 2,471,762, May 31.
Merrick, Layton T., Kansas City, Mo. Wallpaper perforator. 2,471,763, May 31.
Mesavage, Clement, New Orleans, La.: dedicated to the free use of the People in the Territory of the United States. Tree volume calculator. 2,471,491, May 31.
Messenger, Joseph U.: *See*—
Oblad, Alex G., and Messenger.

Metals & Controls Corporation, assignee: *See*—
Bolesky, John D.
Meyer, Walter A., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Belt and transmission. 2,471,969, May 31.
Midwest Rubber Reclaiming Company, assignee: *See*—
Randall, Robert L.
Midwest Tool & Manufacturing Company, assignee: *See*—
Parker, Emmett E.
Mierley, George M., Havertown, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical connector device. 2,471,440, May 31.
Miessler, Paul W., Lakewood, assignor to The Hoskins Container Company, Cleveland, Ohio. Box and corner lock therefor. 2,471,883, May 31.
Milchen, Leo, Los Angeles, Calif. Machineless manufacture of shoes. 2,471,696, May 31.
Milhaupt, Howard A., assignee: *See*—
Pandolfi, Albert.
Miller, Carl H., Arlington, Va., and W. S. Wilks, Trenton, N. J. Magnetic hand pickup tool. 2,471,764, May 31.
Mills, Charles L., Jr.: *See*—
Mowry, David T., and Mills, Jr.
Milne, John C., assignor to The Electric Construction Company Limited, Wolverhampton, England. Supply equipment for electric arcs. 2,471,641, May 31.
Miloche, Herman A., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wiring device. 2,471,970, May 31.
Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Minion, Huang, Cambridge, Mass., assignor to Merck & Co., Inc., Rahway, N. J. Reducing carbonyl compounds to their corresponding methylene analogues. 2,471,697, May 31.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Kutzler, Robert J., and Wilson.
Mitchell, Donald H., Chicago, Ill., assignor to Motorola, Inc. Preassembled impedance unit. 2,472,021, May 31.
Mitchell, Gerald L. J., assignee: *See*—
Mitchell, Lewis M.
Mitchell, Lewis M., Greeley, Colo.; W. A. E. Mitchell, administrator of said L. M. Mitchell, deceased, assignor of forty-six and sixty-six one-hundredths per cent to W. A. E. Mitchell, Greeley, Colo., twenty-six and sixty-seven one-hundredths per cent to P. M. Mitchell, Chicago, and twenty-six and sixty-seven one-hundredths per cent to G. L. J. Mitchell, Glen Ellyn, Ill. Refrigerator ventilator system. 2,471,971, May 31.
Mitchell, Paul M., assignee: *See*—
Mitchell, Lewis M.
Mitchell, Wilbur A. E., administrator: *See*—
Mitchell, Lewis M.
Modern Machine Products Co., assignee: *See*—
Ward, George A., and Koleske.
Moffett, Eugene W., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Bodying of oil by heat. 2,471,577, May 31.
Molts, Benjamin E., Gridley, Calif. Wheel supporting stand for tire changing. 2,471,642, May 31.
Monnot, Edward L., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Heated dental instrument table. 2,471,884, May 31.
Monroe Calculating Machine Company, assignee: *See*—
Britten, Edwin F., Jr.
Monsanto Chemical Company, assignee: *See*—
Mowry, David T., and Mills, Jr.
Mowry, David T., and Yanko.
Seymour, Raymond B., and Butler.
Montagne, Homer F.: *See*—
Bronitt, Wilgus S., and Montagne.
Montclair Research Corporation, assignee: *See*—
Rust, John B.
Moore, Alfreda B., Chicago, Ill. Combination lipstick and rouge container. 2,471,441, May 31.
Moore Company, The, assignee: *See*—
Moore, Robert D.
Moore, Dewey R., Dallas, Tex. Portable derrick. 2,471,492, May 31.
Moore, Joseph F., Jr., Berryville, Va. Length metering apparatus for drill pipe and the like. 2,471,644, May 31.
Moore, Robert D., assignor to The Moore Company, Kansas City, Mo. Fan. 2,471,578, May 31.
Moran, Wilson A., Antigo, Wis. Food grater with horizontal axis disk. 2,471,643, May 31.
Moreau, Ralph C.: *See*—
Seltner, Louis P., and Moreau.
Morf, Frederick P., Little Silver, N. J. Desiccator cartridge. 2,471,442, May 31.
Morgan Construction Company, assignee: *See*—
O'Malley, Joseph M.
Morgan, David L., Bridgeport, Conn., assignor to Robertshaw-Fulton Controls Company. Temperature regulator for internal-combustion engines. 2,471,533, May 31.
Morris, Mark M., Berkeley, and A. K. Kleeman, San Francisco, assignors to Clorox Chemical Co., Oakland, Calif. Detergent composition. 2,471,645, May 31.
Morton, John R., Mountain Grove, Mo. Chick fountain guard. 2,471,765, May 31.
Moseley, Francis L.: *See*—
Wilkie, Harry, and Moseley.
Motorola, Inc., assignee: *See*—
Mitchell, Donald H.
Mowry, David T., and C. L. Mills, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Copolymer of styrene and a phenyl-vinyl acetate. 2,471,766, May 31.
Mowry, David T., and W. H. Yanko, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of fumaronitrile. 2,471,767, May 31.
Mueller, Alfred, Berwyn, assignor to Crane Co., Chicago, Ill. Hydraulic valve actuating mechanism. 2,471,885, May 31.
Munro, Gordon, Bremerton, Wash. Drill grinder. 2,471,443, May 31.
Murray, George E. R.: *See*—
Wilson, Benjamin J., Machler, Polster, and Murray.
Murray, James J.: *See*—
Spacter, Benjamin, and Murray.
Muskat, Morris: *See*—
Coggeshall, Norman D., and Muskat.
Muth, John, Jr.: *See*—
Muth, William and J., Jr.
Muth, William and J., Jr., Brooklyn, N. Y. Musical instrument. 2,471,534, May 31.
Nagel, Felix, College Park, assignor to Engineering and Research Corporation, Riverdale, Md. Sheet covering for aircraft parts. 2,471,768, May 31.
Nanna, Frank S., North Lake Village, Ill. Whipping machine. 2,471,769, May 31.
National Motor Springs Pty. Limited, assignee: *See*—
Bishop, Arthur E. J.
National Supply Company, assignee: *See*—
Mahan, Joseph R.
Navy, United States of America as represented by the Secretary of, assignee: *See*—
Schmitt, Otto H.
Neal, Ernest C., assignor of one-half to E. Brandell, Chicago, Ill. Quick-acting C-clamp. 2,472,022, May 31.
Nelson, Joseph F., Elizabeth, N. J., assignor to Standard Oil Development Company. Stabilized polymer. 2,471,887, May 31.
Nelson, Ray M., Rock Island, Ill., assignor to Birtman Electric Company. Base lock for vises. 2,471,444, May 31.
Nergaard, Leon S., Princeton, N. J., assignor to Radio Corporation of America. Feedback system. 2,471,535, May 31.
Neuroth, John, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Air operated actuator. 2,471,679, May 31.
Newbold, Hannah M., executrix: *See*—
Newbold, William H.
Newbold, William H., deceased, Langhorn, Pa., by Hannah M. Newbold, executrix, Langhorn, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Radio object location device. 2,471,888, May 31.
New England Mica Company, assignee: *See*—
Goodman, Clark.
Nicholas, Thomas J., Boise, Idaho. Sheet metal bending tool. 2,471,445, May 31.
Nichols, Gordon E., assignor to Winthrop-Atkins Co., Inc., Middleboro, Mass. Easel. 2,471,536, May 31.
Nicholson, Emmett, Dunedin, Fla. Apparatus for heating air. 2,471,972, May 31.
Nielsen, Ralph J., Los Angeles, Calif. Camera tripod head. 2,471,886, May 31.
Niles-Bement-Pond Company, assignee: *See*—
Fox, Raymond S.
Nineteen Hundred Corporation, assignee: *See*—
Ringer, Luther.
Noble, Kenneth B.: *See*—
Van Veen, Anton, and Noble.
Noble, Stanford V., North Hollywood, Calif. Hydraulic jack. 2,471,770, May 31.
Nordberg Manufacturing Co., assignee: *See*—
Anderson, Karl V.
Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Modulator circuit. 2,471,835, May 31.
Norgaard, Donald E., Scotia, N. Y., assignor to General Electric Company. Electronic signal generator. 2,471,836, May 31.
Norman, Arthur E., Fergus Falls, Minn. Adjustable ratchet wrench. 2,471,837, May 31.
Norman, James E.: *See*—
Dasher, John, and Norman.
Norman, James E., Birmingham, Ala. Treating barium sulfate with carbonates. 2,471,446, May 31.
Norton Company, assignee: *See*—
Holmes, Donald H.
Spongberg, Albin V., and Pasholan.
Norton Manufacturing Company, assignee: *See*—
Bradley, William H.
Norton, Wendell P., Jr., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Cam finishing machine. 2,471,493, May 31.
Norwood, Elise R., Fairfax, Calif. Bed table. 2,471,646, May 31.
Nystrom, Axel C., Rutherford, and W. J. Volckhausen, Teaneck, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Tape supporting means for strand coverlog machines. 2,471,973, May 31.
Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Apparatus for heating and cooling kettles. 2,471,638, May 31.

Oblad, Alex G., and J. U. Messenger, Dallas, Tex. assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Isomerization of olefins in the presence of hydrogen fluoride impregnated alumina. 2,471,647, May 31.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Equisignal radio beacon system. 2,471,648, May 31.

Ohio Crankshaft Company, The, assignee: *See*—
Wood, Alden O.

Ohio State University Research Foundation, The, assignee: *See*—
McFadden, George H.
McFadden, George H., Lyman, and Horney.

Okonite Company, The, assignee: *See*—
Everson, Russell B., and Ward.

Olin Industries, Inc., assignee: *See*—
Roemer, William C.

Olson, Carl W., assignor to Electro Specialty Manufacturing Co., Inc., Minneapolis, Minn. Blower for ventilators. 2,472,024, May 31.

O'Malley, Joseph M., assignor to Morgan Construction Company, Worcester, Mass. Wabbler coupling. 2,471,974, May 31.

Otis, Russell M., Pasadena, assignor to Lane-Wells Company, Los Angeles, Calif. Flowmeter. 2,472,056, May 31.

Overmyer, Perry F., Chicago, Ill., assignor to Universal Atlas Cement Company. Automatic measuring device for bulk material. 2,471,494, May 31.

Packwood, Hesa H., Baton Rouge, La. Lawn mower. 2,471,975, May 31.

Page, Herbert E., Oakwood, Ohio. Toaster-tray combination. 2,471,649, May 31.

Paliwoda, Miriam A., Bayonne, and G. W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company. Rust preventive compositions. 2,471,889, May 31.

Palmer, Frederick A., Wooster, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Polymerization of isobutylene in the presence of controlled amounts of promoters for the reaction. 2,471,590, May 31.

Palmer, Rufus N., Pittsburgh, Pa., assignor to American Pearl Button Co., Washington, Iowa. Button-making tubular-saw holder and expeller. 2,471,698, May 31.

Pandolfi, Albert, Milwaukee, assignor to D. F. Lucas, H. A. Milhaupt, and A. Pandolfi, co-partners, doing business under the name and firm style of Lucas-Milhaupt Engineering Sales Co., Cudahy, Wis. Fusible ring and making same. 2,471,650, May 31.

Pantuosco, Anthony F., New York, N. Y. Automatic ignition shutoff device. 2,471,651, May 31.

Paprita, Hans, Berne, assignor to Haag-Streit Werkstatten fur Prasisionsmechanik, Berne-Liebefeld, Switzerland. Ophthalmic perimeter comprising an artificially illuminated concave spherical reflector. 2,471,652, May 31.

Parker, Emmett E., Farmington, assignor to Midwest Tool & Manufacturing Company, Detroit, Mich. Fixture for relief grinding of cutting tools. 2,471,539, May 31.

Parks, John R., and H. Hielen, Olitner, Nebr. Corn picker gathering shoe. 2,471,771, May 31.

Pasholan, Harry O.: *See*—
Spongberg, Albin V., and Pasholan.

Paveal, Louis, and F. F. Rodoni, San Francisco, Calif. Device to form teeth in the edge of a knife. 2,471,899, May 31.

Peake, John S., Bloomington, Ind., and F. E. Robbins, assignors to The Dow Chemical Company, Midland, Mich. Treatment of magnesium-base alloys. 2,472,025, May 31.

Peche, William, assignee: *See*—
Iongerich, Frank L.

Peck, Kenneth L., and R. F. Balmer, U. S. Navy, Philadelphia, Pa., said Balmer assignor to said Peck. Adjustable mooring cable. 2,472,026, May 31.

People in the territory of the United States, dedicated to the free use of the: *See*—
Fitzgerald, Lawrence C.
Meanware, Clement.

Perfect Brassiere Company, Inc., assignee: *See*—
Rubinstein, Abraham.

Perkins, Hiram A., deceased, late of Rochester, N. Y., by Stuart L. Perkins, Rochester, N. Y., and Madeleine P. Hathaway, Essex County, N. J., executors, assignors to Setter Bros., Inc., Cattaraugus, N. Y. Web feeding and cutting machine. 2,471,447, May 31.

Perkins, Stuart L., executor: *See*—
Perkins, Hiram A.

Perrault, Alnalle and L., Tulsa, Okla. Apparatus for treating pipes. 2,471,580, May 31.

Perrault, Lewis: *See*—
Perrault, Alnalle and L.

Peters, Leslie J.: *See*—
Lowber, David D., and Peters.

Peters, Melville F.: *See*—
Rittenhouse, John, and Peters.

Pfau, Julina H., Norristown, Pa. Tooth powder dispenser. 2,471,495, May 31.

Phileo Corporation, assignee: *See*—
Albright, Robert B.
Newbold, William H.
Rundell, Theodore W.

Phillips, Charles L., St. George, N. Y. Trap. 2,471,540, May 31.

Phillips Petroleum Company, assignee: *See*—
Arnold, Philip M.
Axe, William N.
Crouch, Willie W., and Pritchard.
Fleming, Harold W.
Hillyer, John C., and Wilson.
Waddill, Paul M.

Pickholz, Siegfried, Liverpool, and H. O. Dickenson, Warrington, assignors to Ward, Blenkinsop & Company Limited, Brooklands, Halewood, Liverpool, England. Production of sulfonamides. 2,471,772, May 31.

Pillsbury Mills, Inc., assignee: *See*—
Kimball, Mary H., Harrel, and Brown.

Pious, Edward, assignee: *See*—
Yando, Stephen.

Pittsburgh Plate Glass Company, assignee: *See*—
Moffett, Eugene W.

Plass, Raymond B., Berkeley, assignor to Ray Oil Burner Co., San Francisco, Calif. Burner control system, including a viscosity sensitive by-pass valve. 2,471,541, May 31.

Platon, Edmond D. V., Paris, VII, France, assignor to International Standard Electric Corporation, New York, N. Y. Built-in heat exchanger in expansion valve structures. 2,471,448, May 31.

Platz, Elwood T., assignor to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 2,471,837, May 31.

Palumbo, Vincent, assignee: *See*—
Price, Albert O.

Podhajsky, Theodore A., Traer, Iowa. Blade lifting device for power hack saws. 2,471,700, May 31.

Poissant, William O., Youngstown, Ohio. Bottle cooling and display device. 2,471,581, May 31.

Polaroid Corporation, assignee: *See*—
Garrett, Elmer E., Steck, and Yasensky.
Ryan, William H., and Walworth.

Pollak, Abraham, Linfield, Pa. Floating motor mount. 2,471,773, May 31.

Polster, Norman E.: *See*—
Wilson, Benjamin J., Machler, Polster, and Murray.

Poole, Ralph, London, England. Heat exchange apparatus for fluids. 2,471,582, May 31.

Poor, Edward N.: *See*—
Barthel, Justus C., Davis, and Poor.

Post, Durrel E., Gates Mills, Ohio. Poultry bag. 2,471,701, May 31.

Potchen, Joseph A., Grand Rapids, Mich., assignor, by mesne assignments, to W. F. Scarborough, Englewood, N. J., as trustee. Method of forming wood assemblies. 2,472,023, May 31.

Potter, James A., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulation. 2,471,976, May 31.

Potts, Louis M., deceased, late of Evanston, Ill.; by M. W. C. Potts, executrix, assignor to Teletype Corporation, Chicago, Ill. Two-way regenerative repeater. 2,471,801, May 31.

Potts, Martha W. C., executrix: *See*—
Potts, Louis M.

Powell, Winfred T., assignor to Stromberg-Carlson Company, Rochester, N. Y. Electrical voting system or the like. 2,471,774, May 31.

Power, Albert H., Toronto, Ontario, Canada. Bed partition. 2,471,977, May 31.

Price, Albert O., Leesville, assignor of one-half to V. Palumbo, Cleveland Heights, Ohio. Pump or the like. 2,471,653, May 31.

Price, Nathan C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Reactive propulsion power plant having radial flow compressor and turbine means. 2,471,892, May 31.

Pritchard, James E.: *See*—
Crouch, Willie W., and Pritchard.

Pro-phy-lac-tic Brush Company, assignee: *See*—
Bird, William C.

Prosperity Company, Inc., The, assignee: *See*—
Neuroth, John.

Pulley, George N., Winter Haven, assignor to Feed Products Laboratories, Inc., Lake Alfred, Fla. Treatment of citrus waste press water. 2,471,893, May 31.

Pulver, Wilfrid A., Sherman Oaks, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Airfoil ice remover. 2,471,894, May 31.

Purdue Research Foundation, assignee: *See*—
McBee, Earl T., Bolt, and Tebbe.
McBee, Earl T., Lindgren, and Ligett.

Pyridium Corporation, assignee: *See*—
Duesel, Bernard F., and Friedman.

Radio Corporation of America, assignee: *See*—
Brown, George H., and Epstein.
Hansell, Clarence W.
Hershberger, William D.
Nerzkard, Leon S.
Reinartz, John L.
Schade, Otto H.
Snyder, Richard L., Jr., and Rajchman.

Radtke, Edward W., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Spinner mounting. 2,471,893, May 31.

Rajchman, Jan A.: *See*—
Snyder, Richard L., Jr., and Rjchman.

Randall, Robert L., St. Louis, Mo., assignor, by mesne assignments, to Midwest Rubber Reclaiming Company, East St. Louis, Ill. Reclaiming scrap of natural rubber mixed with Buna-S. 2,471,496, May 31.

Rankin, Mavis J.: *See*—
Griffith, Diasmore L., and Rankin.

Ransom, James W., Lansdowne, Pa. pH indicator. 2,471,896, May 31.

Rapp, Earl J., and H. R. Coon, Sr., Toledo, Ohio, assignors to Lynch Corporation. Molding and packaging machinery. 2,471,702, May 31.

Rapp, Earl J., and H. R. Coon, Sr., Toledo, Ohio, assignors to Lynch Corporation. Molding and packaging machinery. 2,471,703, May 31.

Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Fluid motor packing. 2,471,897, May 31.

Rau, David W., Kirkwood, Mo., assignor to Vickers, Incorporated. Reclamation of selenium rectifier cells. 2,471,898, May 31.

Ray Oil Burner Co., assignee: *See*—
Plass, Raymond B.

Reade, Ralph B., Larchmont, and D. D. Grieg, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Mixer circuit using cathode follower feed-in stages. 2,471,440, May 31.

Reece, Herbert A., Cleveland Heights, Ohio. Apparatus for supplying air to cupola furnaces. 2,471,775, May 31.

Reece, Herbert A., Cleveland Heights, Ohio. Air supply apparatus for cupola furnaces. 2,471,776, May 31.

Reeves Pulley Company, assignee: *See*—
Malcom, Glen.

Reeves, Richard E., New Orleans, La., and J. E. Oliddens, Washington, D. C., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilization of nitrocellulose. 2,471,583, May 31.

Regner, Albert, assignor to Spolek pro chemickou a hutni vyrobu narodni podnik United Chemical and Metallurgical Works National Corporation, Prague, Czechoslovakia. Separating constituents of alloys by fractional crystallization. 2,471,899, May 31.

Reichard, Arthur E.: *See*—
Grant, Harry C., Jr., and Reichard.

Reimann, Pearle S., assignee: *See*—
Barlock, Everett W.

Reinartz, John L., Lancaster, Pa., assignor to Radio Corporation of America. Making ultra high frequency inductors. 2,471,777, May 31.

Reits, Donald S., assignor to The Hell Co., Milwaukee, Wis. Cam for level winding devices. 2,471,654, May 31.

Renshaw, Ward: *See*—
Farris, Hermen K., and Renshaw.

Republic Steel Corporation, assignee: *See*—
Wallace, Emmet W.

Resa, John J., Vallejo, Calif. Vector solver. 2,471,450, May 31.

Rhoden, Gerald E.: *See*—
Lucas, Fred H., and Rhoden.

Rich, Stanley R., Cambridge, Mass. Phonograph pickup unit using magneto-strictive wire. 2,471,542, May 31.

Richards, Ronald A., Victoria, British Columbia, Canada. Brick clip. 2,471,584, May 31.

Riggs, Walter A., Everett, Wash. Slip-over style of outer garment. 2,471,543, May 31.

Ring, Grant A., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Connecting mooring cables to rotary winged aircraft. 2,471,544, May 31.

Ringer, Luther, assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Fluid responsive control apparatus. 2,471,778, May 31.

Rinkenbach, William H., Dover, and A. J. Clear, Rockaway, N. J. Soldering flux. 2,471,451, May 31.

Rippere, Robert O.: *See*—
Lukacs, Joseph P., and Rippere.

Rittenhouse, John, Norristown, Pa., and M. F. Peters, Baltsville, Md., assignors, by mesne assignments, to C & D Batteries, Inc., Conshohocken, Pa. Explosion-proof battery vent and filler plug. 2,471,585, May 31.

Robbins, Frank E.: *See*—
Peake, John S., and Robbins.

Robbins & Myers, Inc., assignee: *See*—
Cristiano, Angelo M.

Roberts Chemical Company, assignee: *See*—
Sumner, Robert J.

Roberts, Robert P., and K. Jones, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Bonding cellulose surfaces. 2,471,497, May 31.

Robertshaw-Fulton Controls Company, assignee: *See*—
Branson, Charles D.
Morgan, David L.

Robiette, Alfred G. E., Bovingdon, and P. F. Hancock, Birmingham, England, assignors to The International Nickel Company, Inc., New York, N. Y. Austenitic cast iron. 2,472,027, May 31.

Robinson, Fred S., Yalesville, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Producing flatware. 2,471,900, May 31.

Robinson, Jonas, Clarks Summit, Pa. Compensator. 2,471,586, May 31.

Robson, Duer C., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for oiling parts. 2,471,978, May 31.

Rockwood Sprinkler Company of Massachusetts, assignee: *See*—
Freeman, Howard G.

Rodoni, Francis F.: *See*—
Paveal, Louis, and Rodoni.

Roemer, William C., assignor to Olin Industries, Inc., New Haven, Conn. Control-device for automatic and semi-automatic firearms. 2,471,779, May 31.

Rohm & Haas Company, assignee: *See*—
Bortnick, Newman M., and Butterbaugh.
Wooster, Charles B.

Rood, George A., Los Angeles, Calif. Pneumatically operated pump. 2,471,498, May 31.

Rose, Alexander D., Park Ridge, and B. Willach, assignors to Jas. P. Marsh Corporation, Chicago, Ill. Indicating gauge. 2,471,704, May 31.

Rose, Paul R.: *See*—
Walter, Harold J., and Rose.

Rosen, Shy, U. S. Army, Washington, D. C. Roller printer for conveyers. 2,471,452, May 31.

Rosenberg, George, New York, and L. Spiselman, Brooklyn, N. Y. Picture frame having pivoted cornerpieces. 2,471,545, May 31.

Ross, Arthur E., assignor to Cook Electric Company, Chicago, Ill. Pressure switch. 2,471,838, May 31.

Ross, William A., assignor to Weaver Manufacturing Company, Springfield, Ill. Load-lifting appliance. 2,471,901, May 31.

Rossi, Guido J., and E. L. Bonalanza, South San Francisco, Calif. Toothbrush holder. 2,471,979, May 31.

Rubinstein, Abraham, Brooklyn, N. Y., assignor to Perfect Brassiere Company, Inc., Jersey City, N. J. Brassiere. 2,471,587, May 31.

Rude, George H., Laurelton, N. Y. Electrically illuminated advertising device. 2,471,902, May 31.

Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Electrical load weighing apparatus. 2,472,047, May 31.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Preparation of terpene phenols. 2,471,458, May 31.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Catalytic condensation of phenols with monocyclic dihydroterpenes. 2,471,464, May 31.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Preparation of terpene phenols. 2,471,455, May 31.

Rundell, Theodore W., Abington, assignor, by mesne assignments, to Phileo Corporation, Philadelphia, Pa. Automatic ice maker. 2,471,655, May 31.

Russell, John D., and J. W. Woolf, assignors to Joy Manufacturing Company, Franklin, Pa. Electric circuit controller. 2,472,048, May 31.

Russell, Joseph, Bailey, assignor of one-half to J. Hoefling, Ravenna, Mich. Rodent trap. 2,471,546, May 31.

Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Wool shrinkproofing baths containing a chloroprene polymer. 2,471,496, May 31.

Ryan, William H., and V. K. Walworth, assignors to Polaroid Corporation, Cambridge, Mass. Photographic processes for producing multicolor images. 2,471,547, May 31.

Sandilson, Alexander G. S., Brantford, Ontario, Canada. Machine for fabricating strakes for boat construction or the like. 2,471,780, May 31.

Sandoz Ltd., assignee: *See*—
Knecht, Oscar, and Wirth.
Wehrli, Walter, and Kehrer.

Sas, Arthur F., Holland, Mich. Cigarette roller. 2,471,656, May 31.

Saye, John F., Powersite, Mo. Hair drier. 2,471,657, May 31.

Scarborough, William B., assignee: *See*—
Potchen, Joseph A.

Schaaf, Oliver H., Chagrin Falls, assignor to Air-Maze Corporation, Cleveland, Ohio. Zigzag filter construction. 2,471,548, May 31.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Vertical blanking circuit for television transmitter systems. 2,471,903, May 31.

Schmidt, Wilhelm G., Saltsjobaden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric accumulator of the bipolar type. 2,471,781, May 31.

Schmitt, Otto H., Mineola, N. Y., assignor to the United States of America as represented by the Secretary of Navy. Variable reactor. 2,471,705, May 31.

Schneck, Frederick W., Pacific Palisades, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Relief valve. 2,472,049, May 31.

Schnorr, Charles H., Springdale, Pa. Extension leaf table. 2,471,782, May 31.

Schroeder, Bernard A., Winnetka, Ill. Napkin holder. 2,471,783, May 31.

Schumacher, John H., Alma, Mo. Insulator mounting. 2,471,839, May 31.

Schweitzer, Frank J., Jr.: *See*—
Shaffer, Donald U., and Schweitzer, Jr.

Schwerdle, Arthur: *See*—
Sowa, Frank J., and Schwerdle.

Sears, Richard W., II, Evanston, assignor to Woodstock Typewriter Company, Woodstock, Ill. Typewriter multiple case shift mechanism. 2,471,588, May 31.
Seely, Richard E., Fort Wayne, Ind., assignor to General Electric Company. Electric protective means. 2,471,840, May 31.
Seibel, Charles M., Wichita, Kans. Helicopter rotor drive and control system. 2,471,904, May 31.
Seidens, Le Roy B., Bryan, assignor of 90 per cent to J. R. Hendricks, and 10 per cent to J. W. Kinney, Jr., Cincinnati, Ohio. Magnetic display device. 2,471,981, May 31.
Seifner, Louis P., and R. C. Moreau, Seattle, Wash., said Moreau assignor to said Seifner. Heat exchange unit. 2,471,784, May 31.
Seitz, Harry G., Columbus, Ohio. Multiple circuit switch. 2,471,841, May 31.
Sessions Clock Co., The, assignee: *See*—
Sessions, William K., Jr., and Brightman.
Sessions, William K., Jr., Bristol, and E. D. Brightman, assignors to The Sessions Clock Co., Forestville, Conn. Electric alarm clock. 2,471,549, May 31.
Setter Bros., Inc., assignee: *See*—
Perkins, Hiram A.
Seymour, Raymond B., and J. M. Butler, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Copolymers of vinyl aromatic compounds. 2,471,785, May 31.
Shaffer, Donald U., and F. J. Schweitzer, Jr., Brea, Calif., assignors to Shaffer Tool Works. Casing landing head. 2,471,658, May 31.
Shaffer, Harry A., East Cleveland, Ohio. Detachable button. 2,471,589, May 31.
Shaffer Tool Works, assignee: *See*—
Shaffer, Donald U., and Schweitzer, Jr.
Shaw, Joseph A., assignor to Koppers Company, Inc., Pittsburgh, Pa. Treatment of coke-oven gas. 2,471,550, May 31.
Shell Development Company, assignee: *See*—
Broese, Johannes J.
Shellman Products Corporation, assignee: *See*—
De Swart, Jan.
Shepard, Stanley C., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Time and thermostatically controlled switching arrangement. 2,471,457, May 31.
Shepler, James G., Columbus, Ohio. Safety device for motion-picture projectors. 2,471,786, May 31.
Shipman, Frank G., Shelburn, Ind. Fishing lure. 2,471,499, May 31.
Shulda, Melvin, Cuba, Kans. Splice for crankshaft bearing. 2,471,982, May 31.
Simon, Haroide M., assignor to Utica Radiator Corporation, Utica, N. Y. Grate fastening. 2,471,650, May 31.
Simpson, Herbert S., assignee: *See*—
Granath, Axel G.
Skinner, Robert E.: *See*—
McIntyre, Glenn H., and Skinner.
Skydyne, Inc., assignee: *See*—
Mautner, Steven E.
Slaughter, James A., Kermit, Tex. Stock guard. 2,471,551, May 31.
Smith, A. O., Corporation, assignee: *See*—
Andrus, Orrin E.
Brueckner, Karl K.
Gruetjen, Frederick A.
Smith, Claude C., Oklahoma City, Okla. Leather roughing tool. 2,471,787, May 31.
Smith, Paul A., Mars, Pa. Pulley. 2,471,906, May 31.
Smith, Winthrope C., Elizabeth, N. J., assignor to Standard Oil Development Company. Adhesion of butyl rubber to metal. 2,471,905, May 31.
Snyder, Eugene, Philadelphia, assignor to American Chemical Paint Company, Ambler, Pa. Method of and material for increasing the corrosion resistance of ferriferous metals. 2,471,907, May 31.
Snyder, Eugene, Philadelphia, assignor to American Chemical Paint Company, Ambler, Pa. Method of and material for preparing surfaces of ferriferous metals for the reception of a siccative finishing coat. 2,471,908, May 31.
Snyder, Richard L., Jr., and J. A. Rajchman, Princeton, N. J., assignors to Radio Corporation of America. Electronic computer. 2,471,788, May 31.
Societe d'Electro-Chimique, d'Electro-Metallurgie et des Aciéries Electriques d'Ugine, assignee: *See*—
Castro, Rene, and Lebet.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Oblad, Alex G., and Messenger.
Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Rubber plasticizer composition. 2,471,789, May 31.
Son, Anthony J., assignor to Sonco, Inc., Boston, Mass. Sterilizing tray for hypodermic needles and the like. 2,472,028, May 31.
Sonco, Inc., assignee: *See*—
Son, Anthony J.
Southgate, Frank C., San Francisco, Calif. Decorative bow. 2,471,590, May 31.
Sowa, Frank J., Cranford, N. J., and A. Schwerdle, New York, N. Y., said Schwerdle assignor to said Sowa. Insect affecting compositions. 2,471,790, May 31.
Spahr, Floyd W., Palmyra, N. J., and J. S. Haug, Chestnut Hill, assignors to United Engineers and Constructors, Inc., Philadelphia, Pa. Hydraulic drive for rotary grates and the like. 2,471,989, May 31.
Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Temperature indicator means for sadirons. 2,471,458, May 31.
Specialties Development Corporation, assignee: *See*—
Grant, Harry C., Jr., and Reichard.
Stroop, John H.
Specter, Benjamin, and J. J. Murray, Washington, D. C. Chart. 2,471,552, May 31.
Spell, Perry W., Roseboro, N. C. Cotton picking apparatus. 2,471,842, May 31.
Sperry Corporation, The, assignee: *See*—
Frost, William F.
Spiselman, Louis: *See*—
Rosenberg, George, and Spiselman.
Spolek pro chemickou a hutni vyrobu narodni podnik-United Chemical and Metallurgical Works National Corporation, assignee: *See*—
Regner, Albert.
Spongberg, Albin V., and H. G. Pashoian, assignors to Norton Company, Worcester, Mass. Crankpin grinding machine. 2,471,706, May 31.
Spruance, Frank P., Jr., assignor to American Chemical Paint Company, Ambler, Pa. Method and materials for producing coated aluminum. 2,471,909, May 31.
Stahly, Edward P., assignee: *See*—
Loker, Elmer H.
Stamper, Hamilton A., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Remote-control system. 2,471,843, May 31.
Standard Cap and Seal Corporation, assignee: *See*—
Fisher, Franklin M., and Hopp.
Standard Oil Development Company, assignee: *See*—
Beach, Leland K., and Connolly.
Eby, Lawrence T.
Gidley, Philip T.
Nelson, Joseph F.
Paliwoda, Miriam A., and Duncan.
Palmer, Frederick A.
Smith, Winthrope C.
Sumerford, Simpson D.
Sweetser, Sumner B.
Wurth, Walter A., and Lane.
Stanton, Ernest N., Grosse Ile, Mich. Apron. 2,471,910, May 31.
Staples, Dana R., Ridley Park, Pa., assignor to The Baldwin Locomotive Works. Governing apparatus. 2,472,050, May 31.
Starrett, L. S., Company, The, assignee: *See*—
Hastings, James E.
Stearns Magnetic Mfg. Co., assignee: *See*—
Stearns, Roswell H.
Stearns, Roswell H., Wauwatosa, assignor to Stearns Magnetic Mfg. Co., Milwaukee, Wis. Magnetic separator. 2,471,911, May 31.
Steck, Robert C.: *See*—
Garrett, Elmer E., Steck, and Yasensky.
Steere, George R., Ipswich, Mass. Making water gas. 2,471,791, May 31.
Steere, George R., Ipswich, Mass. Apparatus for making water gas. 2,471,792, May 31.
Stehling, Chas. H., Company, assignee: *See*—
Stehling, Ralph J.
Stehling, Ralph J., assignor to Chas. H. Stehling Company, Milwaukee, Wis. Hydraulic drive for leather-working machines. 2,471,984, May 31.
Steigleman, Forrest E., Baltimore, Md. Repair of dentures. 2,471,501, May 31.
Stelmack, Stanley, Philadelphia, Pa. Storage battery with level indicator. 2,471,660, May 31.
Sterling Industries Limited, assignee: *See*—
Thomas, Percival E.
Stevens-Arnold, Inc., assignee: *See*—
Weightman, Herbert G.
Stevenson, Edward E., Whittier, assignor to Globe Oil Tools Company, Los Nietos, Calif. Apparatus for mounting work in a holder. 2,471,661, May 31.
Stewart, Francis S., Los Angeles, Calif., and V. R. Hardy, Wilmington, Del., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Coated metal structure. 2,471,500, May 31.
Stewart-Warner Corporation, assignee: *See*—
McCollum, Henry J. D.
Tramontini, Vernon N.
Stich, George E., Jacksonville, Fla. Scaffolding bracket. 2,471,459, May 31.
Stoltz, Glenn E., Pittsburgh (18), J. R. Erbe, Mount Lebanon, and R. A. Geiselman, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control of electrolytic processes. 2,471,912, May 31.
Streisoff, Samuel, assignor to Chemical Construction Corporation, New York, N. Y. Conversion of iron chloride into iron oxide and hydrochloric acid. 2,471,844, May 31.
Stromberg-Carlson Company, assignee: *See*—
Powell, Winfred T.
Stroop, John H., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Fire extinguisher. 2,471,460, May 31.

Stull, John S., Chicago, Ill. Fastener feeding and securing apparatus. 2,471,798, May 31.
Sumerford, Simpson D., Baton Rouge, La., assignor to Standard Oil Development Company. Treatment of solid diluent in hydrocarbon synthesis process. 2,471,918, May 31.
Sumner, Robert J., Manchester, N. H., assignor to Roberts Chemical Company, Perth Amboy, N. J. Manufacture of coloring matters of the phthalocyanine series from phthalyl halides. 2,471,794, May 31.
Super-Seal Container Corporation, assignee: *See*—
Glocker, Gustave.
Süsskind, Albert, Lugano-Cassarate, Switzerland. End-piece for slide fastener closures. 2,471,461, May 31.
Sweeney, Joseph, Auburn, N. Y. Lavatory flush valve. 2,471,842, May 31.
Sweetser, Sumner B., Baton Rouge, La., assignor to Standard Oil Development Company. Synthesizing hydrocarbons. 2,471,914, May 31.
Szabo, Edward J., and P. W. Christley, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Loom stopping means. 2,471,845, May 31.
Talamini, Elio J., Kearney, assignor to Joshua Hendy Iron Works, Ampere, N. J. Brush holder. 2,471,591, May 31.
Taylor, James: *See*—
Wright, Harold R., and Taylor.
Taylor, William A., Louisville, Miss. One-way clutch of the pin and socket type. 2,471,795, May 31.
Tebbe, Robert: *See*—
McBee, Earl T., Bolt, and Tebbe.
Teletype Corporation, assignee: *See*—
Potts, Louis M.
Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Blade-dispensing container. 2,472,051, May 31.
Thacher, Alfred B., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Gear pump. 2,471,915, May 31.
Thayer Company, assignee: *See*—
Troendle, William C.
Thermal Liquids, Inc., assignee: *See*—
Oaks, Orion O.
Thiberg, George A., Cedar Knolls, N. J. Air pump for aquarium aerators. 2,471,796, May 31.
Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Vibration damping mounting. 2,472,029, May 31.
Thomas, Edward B., Middletown, N. Y., assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Tuyere construction for underfeed stokers. 2,471,797, May 31.
Thomas, Percival E., assignor to Sterling Industries Limited, London, England. Self-closing pipe couplings. 2,471,798, May 31.
Thompson Products, Inc., assignee: *See*—
Ashdown, Thomas J.
Booth, James H.
Colwell, Archie T.
Thompson Products, Inc., assignee: *See*—
Gibian, Emil F., and Bartlett.
Thomson, Homer G., Wauwatosa, assignor to Allen Bradley Company, Milwaukee, Wis. Making insulated resistors. 2,471,592, May 31.
Thulin, Ivar V., Upper Darby, Pa. Bathtub shower bath appliance. 2,472,030, May 31.
Tietz, Herbert D., Maplewood, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Producing cladded metal cooking utensils. 2,471,663, May 31.
Tincler, George A.: *See*—
Witt, Homer E., and Tincler.
Tombs, Edward W., Pittsburgh, Pa. Rotary turbine type hydraulic transmission. 2,471,790, May 31.
Torstenson, Henry A., assignee: *See*—
Wandel, Oscar A.
Toth, John J., Bridgeport, Conn. Foldable wheelbarrow. 2,471,462, May 31.
Touraton, Emile: *See*—
Ahier, Georges, and Touraton.
Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Plasticizing agents comprising dialkyl phenylphosphonates and compositions containing the same. 2,471,463, May 31.
Toy, Arthur D. F., Chicago, and T. M. Beck, Homewood, Ill., assignors to Victor Chemical Works. Preparing para nitrophenyl diethyl thionophosphate. 2,471,464, May 31.
Toye, Irvin F., Omaha, Nebr. Crossarm lathe wrench. 2,471,593, May 31.
Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater system. 2,471,840, May 31.
Trico Products Corporation, assignee: *See*—
Rappl, Anton.
Troendle, William C., assignor to Thayer Company, Gardner, Mass. Steerable infant's carriage. 2,471,985, May 31.
Troxel Manufacturing Company, The, assignee: *See*—
Kalter, Harold E.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms. 2,471,847, May 31.
Union Manufacturing Company, assignee: *See*—
Church, Albert E.
United Aircraft Corporation, assignee: *See*—
Gluharoff, Michael E.
Holmes, Gifford I.
Radtke, Edward W.
Ring, Grant A.
Thacher, Alfred B.
United Engineers and Constructors, Inc., assignee: *See*—
Spahr, Floyd W., and Haug.
United Gas Improvement Company, The, assignee: *See*—
Soday, Frank J.
United States Gypsum Company, assignee: *See*—
Kester, Bruce E.
United States Rubber Company, assignee: *See*—
Axford, Luther.
Kharasch, Morris S., and Urry.
Maneke, Richard H. F.
U. S. Thermo Control Co., assignee: *See*—
Jones, Frederick M.
Universal Atlas Cement Company, assignee: *See*—
Ludwig, Norman C.
Overmyer, Perry F.
Urry, Wilbert H.: *See*—
Kharasch, Morris S., and Urry.
Utica Radiator Corporation, assignee: *See*—
Simon, Haroide M.
Utility Trailer Manufacturing Company, assignee: *See*—
Bennett, Walter.
Van Hasselt, Marc, London, England, assignor to International Standard Electric Corporation, New York, N. Y. Repeater for submarine electric cables. 2,471,465, May 31.
Van Sciver, Herbert D., II, Merion, assignor to The Budd Company, Philadelphia, Pa. Electric control apparatus for variable loads. 2,472,044, May 31.
Van Veen, Anton, Canton Center, and K. B. Noble, Branford, Conn. Door check. 2,471,707, May 31.
Vickers, Incorporated, assignee: *See*—
Rau, David W.
Vickland, John C.: *See*—
Yerrick, William D., and Vickland.
Victor Chemical Works, assignee: *See*—
Toy, Arthur D. F.
Toy, Arthur D. F., and Beck.
Woodstock, Willard H.
Volckhausen, Walter J.: *See*—
Nystrom, Axel C., and Volckhausen.
Volpicelli, Nicholas: *See*—
Gotti, George A., Killian, and Volpicelli.
Vois, Philip E., Orange, assignor to Finch Telecommunications, Inc., Passaic, N. J. Motor speed control. 2,471,916, May 31.
Von Hoorn, Fred G., Bridgeport, Conn., assignor to General Electric Company. Combined switch and fuse. 2,471,848, May 31.
Von Mühlenen, Egbert, Ennetbaden, Switzerland. Shadow image projection indicating apparatus. 2,471,800, May 31.
Waddill, Paul M., Bartlesville, Okla, assignor to Phillips Petroleum Company. Storage of hydrofluoric acid. 2,471,986, May 31.
Wagner Electric Corporation, assignee: *See*—
Dieckmann, Albert.
Fites, Cyril B.
Waite, Philip M., Corry, Pa. Universal joint. 2,471,987, May 31.
Walker, Charles R.: *See*—
Bacon, Walter M., and Walker.
Wallace, Dorothy L., Saginaw, Mich. Automatic frozen cube dispenser for refrigerators. 2,471,801, May 31.
Wallace, Emmet W., Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Shakeout for coke charging cars. 2,471,849, May 31.
Wallace, R., & Sons Manufacturing Company, assignee: *See*—
Robinson, Fred S.
Wallerstein Company, Inc., assignee: *See*—
Alba, Ralph T., and Wallerstein.
Wallerstein, James S., Farber, and Alba.
Wallerstein, James S., New York, N. Y., and E. Farber, New Haven, Conn., and R. T. Alba, assignors, by mesne assignments, to Wallerstein Company, Inc., New York, N. Y. Improving fermented beverages and product obtained thereby. 2,471,502, May 31.
Walter, Harold J., Uxbridge, Mass., and P. R. Rose, East Orange, N. J. Apparatus for heat-treating air-pervious strip material. 2,471,802, May 31.
Walworth, Vivian K.: *See*—
Ryan, William H., and Walworth.
Wandel, Oscar A., assignor to H. A. Torstenson, Chicago, Ill. Magazine closure for stapling machines. 2,472,032, May 31.
War, United States of America, as represented by the Secretary of, assignee: *See*—
Hickman, Clarence N.
Wilson, Benjamin J., Machler, Polster and Murray.
Ward, Blenkinsop & Company Limited, of Brooklands, assignee: *See*—
Pickhols, Siegfried, and Dickenson.
Ward, George A., and O. Koleske, assignors to Modern Machine Products Co., Springfield, Ill. Rope holder. 2,471,503, May 31.

Ward, William E.: *See*—
Everson, Russell B., and Ward.
Washbond, Harry H., and O. R. Beattie, assignors to The Baker Manufacturing Company, Springfield, Ill. Winch. 2,471,988, May 31.
Wasserman, Rene D., New York, N. Y. Weldrod flux coating. 2,471,803, May 31.
Wayne, Ernest L., Victoria, Tex. Memorandum paper holder. 2,471,504, May 31.
Weaver Engineering Co., assignee: *See*—
Weaver, Ira A.
Weaver, Ira A., Springfield, Ill., assignor to Weaver Engineering Co. Fluid actuated load lifting and lowering mechanism. 2,471,989, May 31.
Weaver Manufacturing Company, assignee: *See*—
Ross, William A.
Weber Dental Manufacturing Company, The, assignee: *See*—
Monnot, Edward L.
Wehrli, Walter, and F. Kebrer, Basel, assignors to Sandoz Ltd., Fribourg, Switzerland. Trimazo dyes. 2,471,664, May 31.
Weightman, Herbert G., Scituate, assignor, by mesne assignments, to Stevens-Arnold, Inc., Boston, Mass. Resonant magnetic switch assembly. 2,471,564, May 31.
Weinberg, Samuel A., Wollaston, Mass. Cake and pie knife. 2,471,466, May 31.
Weiss, Ralph E., Cheektowaga, N. Y. Device for beating time in teaching music. 2,471,990, May 31.
Weiss, Robert H.: *See*—
Conn, Robert C., and Weiss.
Werner, Le Roy L., Washington, D. C. Escape device. 2,471,467, May 31.
Western Electric Company, Incorporated, assignee: *See*—
Johnstone, Harold G.
Nystrom, Axel C., and Volckhausen.
Robson, Duer C.
Westinghouse Electric Corporation, assignee: *See*—
Mierley, George M.
Stoltz, Glenn E., Erbe, and Geiselman.
Weston, William K., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Repeatered submarine signaling cable. 2,471,468, May 31.
Weisel, Earl W., Milwaukee, Wis. Sportsman's bat. 2,472,033, May 31.
Weynand, Paul, San Antonio, Tex. Stone dresser. 2,471,991, May 31.
Wheeler, John, Knox, Ind. Animal trap. 2,471,804, May 31.
White, Albert R., Glendale, Calif. Machine and method of making oil filter packs. 2,471,595, May 31.
White, Stanley E.: *See*—
Melvin, Grant C., Jones, and White.
White, Wilson E., Pontiac, Mich. Floor protector. 2,471,708, May 31.
Whitney, Blake, Company, The, assignee: *See*—
Ingmanson, John H.
Wiebusch, Edmund F., Euclid, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Pump with pressure loaded stepped bushing. 2,472,031, May 31.
Wicker, Charles A., Selma, Ala. Mounting for tandem springs for trucks. 2,471,992, May 31.
Wilcock, Donald F., Saugus, Mass., assignor to General Electric Company. Liquid polysiloxane lubricants. 2,471,850, May 31.
Wildbore, Wilfred J. L., and J. M. Keenan, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Wire lapping or like machine. 2,471,469, May 31.
Wilder, Edward A., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Treating ouricury wax and resulting composition. 2,471,905, May 31.
Wilkerson, Claude A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Solvent extraction of penicillin culture liquors. 2,471,597, May 31.
Wilkie, Harry, Dayton, and F. L. Moseley, Osborn, Ohio. Radio range system. 2,471,470, May 31.
Wilks, Wilbur S.: *See*—
Miller, Carl H., and Wilks.
Willach, Bernhard: *See*—
Rose, Alexander D., and Willach.
Williams, John C., Oakland, Calif. Pump. 2,471,598, May 31.
Williams, Keith, Buffalo, N. Y. Door opening mechanism. 2,472,034, May 31.
Williams, Keith, Buffalo, N. Y. Combined spring and friction shock absorber. 2,472,035, May 31.
Williams, Keith, Buffalo, N. Y. Operating handle lever means for rotary hand brakes. 2,472,036, May 31.
Williams, Vilior P., Chicago, Ill. Cam action universal joint. 2,471,665, May 31.
Willson, Karl S., and D. G. Ellis, assignors to The Harshaw Chemical Company, Cleveland, Ohio. Electrodeposition of copper. 2,471,918, May 31.
Wilson, Benjamin J., Oreland, R. C. Machler, Philadelphia, N. E. Polster, Willow Grove, and G. E. R. Murray, Feasterville, Pa., assignors to the United States of America as represented by the Secretary of War. Thermostatic electric switch. 2,471,806, May 31.
Wilson, Joseph F.: *See*—
Hillyer, John C., and Wilson.
Wilson, Perry J., New Paltz, N. Y., assignor to Electric Boat Company, Groton, Conn. Truck body comprising removable panels. 2,471,917, May 31.
Wilson, Theodore J.: *See*—
Kutzler, Robert J., and Wilson.
Wilt, Homer E., Akron, and G. A. Tincler, Randolph, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tool for installing hollow rivets. 2,471,598, May 31.
Winters & Crampton Corporation, assignee: *See*—
Mark, Vennice E., and Anderson.
Winther, Jerrold B., Kenosha, Wis., assignor to M. P. Winther, as trustee. Punch press. 2,471,505, May 31.
Winther, Martin P., assignee, trustee: *See*—
Winther, Jerrold B.
Winthorp-Atkins Co., Inc., assignee: *See*—
Nichols, Gordon B.
Wirth, Theodore: *See*—
Knecht, Oscar, and Wirth.
Wiswall, Harry B., Los Angeles, Calif. Spray type washing machine for solid objects. 2,471,506, May 31.
Witchger, Eugene J., assignor to The Lufkin Rule Co., Saginaw, Mich. Steel measuring rule. 2,471,709, May 31.
Wood, Alden O., Parma, assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Apparatus for simultaneously inductively heating a plurality of articles. 2,471,471, May 31.
Wood, Fremont E., Long Beach, Calif. Annunciator. 2,471,666, May 31.
Woodstock Typewriter Company, assignee: *See*—
Sears, Richard W., II.
Woodstock, Willard H., Flossmoor, Ill., assignor to Victor Chemical Works. Forming phosphonic and thio-phosphonic acid chlorides. 2,471,472, May 31.
Woolf, James W.: *See*—
Russell, John D., and Woolf, J. W.
Woolley, Lee A., assignor to Kingston Products Corporation, Kokomo, Ind. Fence charging circuit. 2,471,993, May 31.
Wooster, Charles B., assignor to Rohm & Haas Company, Philadelphia, Pa. Pyrolysis of beta-oximino-tert.-butyl pyridinium chloride. 2,471,994, May 31.
Worthington Pump and Machinery Corporation, assignee: Brigham, Nelson E.
Gilman, Frederick C.
MacDonald, Karl.
Wright, Harold R., West Kilbride, and J. Taylor, Saltcoats, Scotland, assignors to Imperial Chemical Industries Limited. Manufacture of high-explosive compositions or charges. 2,471,851, May 31.
Wurth, Walter A., Cranford, and S. C. Lane, Roselle, N. J., assignors to Standard Oil Development Company. Finishing polymers. 2,472,037, May 31.
"X" Laboratories, Inc., assignee: *See*—
Blair, Craig A.
Yando, Stephen, Long Island City, assignor of fifteen per cent to E. Pious, New York, N. Y. Ultra high frequency metering device and method. 2,472,038, May 31.
Yanko, William H.: *See*—
Mowry, David T., and Yanko.
Yarnall-Waring Company, assignee: *See*—
Kinderman, Walter J.
Yasenesky, Alexander T.: *See*—
Garrett, Elmer E., Steck, and Yasenesky.
Yen, Tsheng, Washington, D. C. Typewriter for writing the Chinese language. 2,471,807, May 31.
Yerrick, William D., and J. C. Vickland, Wellsville, assignors to The Air Preheater Corporation, New York, N. Y. Adjustable circumferential seal for preheaters. 2,471,995, May 31.
Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Transmission system. 2,471,473, May 31.
Young, Sanford C., French Creek, W. Va. Apparatus for connecting and disconnecting heavier-than-air aircraft while in flight. 2,471,599, May 31.
Zacharias, Erhard, New York, N. Y. Electric fan. 2,472,039, May 31.
Zielinski, Leon F.: *See*—
Bleakney, William M., and Zielinski.
Zuckerman, Samuel G., Brooklyn, assignor of one-eighth to A. B. Breslow, New York, N. Y. Collapsible portable cart. 2,471,553, May 31.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 31ST DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Machine unit for drafting fibers, Textile. F. H. Carman. Re. 23,117, May 31.
Metal salt compositions, Oil-soluble drier. A. Fischer. Re. 23,119, May 31.
Oils, Refining animal and vegetable. F. J. Ewing. Re. 23,118, May 31.

LIST OF PLANT INVENTIONS

Rose plant. J. D. Brownell. 841–3, May 31.
Rose plant. R. L. Byrum. 844, May 31.

LIST OF DESIGN INVENTIONS

Ash tray. A. Jargstorff. 153,944, May 31.
Ash tray. C. Mankouski. 153,962, May 31.
Awning. C. R. Trent. 153,997, May 31.
Bait, Artificial. W. L. Raschke. 153,980, May 31.
Basket, Flower. A. Berra. 153,919, May 31.
Battery charger, Portable. L. A. Medlar. 153,967, May 31.
Belt for wearing apparel. B. J. Bequette. 153,915, May 31.
Billfold, key case, and coin purse, Combined. C. A. Fox. 153,930, May 31.
Book end. J. H. Witzke. 154,009, May 31.
Bracelet or similar article. A. Corbi. 153,924, May 31.
Cabinet, Washing machine. M. H. Boldt. 153,921, May 31.
Cap, Container. L. Baron. 153,912, May 31.
Cap, Container. A. H. Jung. 153,945–51, May 31.
Cap, Screw. J. L. Lay. 153,956, May 31.
Case, Combined eye shadow and rouge. E. N. Graham. 153,938, May 31.
Case, Hand luggage. G. G. Barton. 153,914, May 31.
Chair. J. H. Fraser. 153,932, May 31.
Chest. J. J. Gilmore. 153,933, May 31.
Container for candy or the like. S. H. Berg. 153,916, May 31.
Container or the like, Powder puff. B. Ulvad. 153,999, May 31.
Cooker or the like, Pressure. W. L. Morrison, Jr. 153,968, May 31.
Cooler, Bottled beverage. W. W. Hoople. 153,941, May 31.
Corner piece. H. F. Lange. 153,954, May 31.
Counter, Poker chip. R. D. Nelson. 153,973, May 31.
Cuff link or the like. G. K. Lowe. 153,960, May 31.
Desk or similar article. C. Karstadt and C. M. Abrahamson. 153,952, May 31.
Dictating machine or similar article. E. Berlant. 153,917, May 31.
Dishwashing machine. T. S. Bartlett. 153,918, May 31.
Dispenser or similar article, Beverage. F. F. Guntber. 153,939, May 31.
Dispensing machine, Confectionery. L. Ptrus. 153,975, May 31.
Display container or similar article. H. G. Treles. 153,996, May 31.
Display counter, Record. S. Malkin. 153,961, May 31.
Display figure. M. T. Upson. 154,000, May 31.
Doll or similar article. M. Marcsel and G. Cornell. 153,963, May 31.
Dolly. F. T. Loser. 153,959, May 31.
Dolly for transporting airplanes and the like. M. C. Snyder. 153,989, May 31.
Dress. E. Rosenthal. 153,982, May 31.
Dress. J. F. Strassner. 153,994, May 31.
Dress ensemble. J. Lipman. 153,958, May 31.
Drier, Automatic clothes. R. C. Sandin. 153,985, May 31.
Feeder, Bottle cap. R. Sonnenberg. 153,991, May 31.
Finial, Roof. M. L. Ryadon. 153,983, May 31.
Fork or similar article. F. Wagner. 154,002–5, May 31.
Game board. A. J. Jackson. 153,943, May 31.
Game board. N. Thomas. 153,995, May 31.
Game board. A. Womack. 154,011, May 31.
Gate, Mobile race control. J. S. Goodwin. 153,935–6, May 31.
Guide, Cocktail recipe. L. F. Zimmermann. 154,012, May 31.
Hanger, Pants. W. G. Williams. 154,008, May 31.
Holder, Iron. C. D. Stanley. 153,993, May 31.
Holder or the like, Baby's bottle. M. Grabol. 153,937, May 31.
Holder or the like, Comb. M. W. Bernstein. 153,918, May 31.
Hood, Flight trainer. R. C. Dehmel. 153,925, May 31.
Iron, Collar cuff. H. N. Dixon. 153,926, May 31.
Knife or similar article. F. Wagner. 154,006, May 31.
Knob, Adjusting. J. O. Reinecke. 153,981, May 31.
Lantern. P. Silberhartz. 153,987, May 31.
Light for motor vehicles or similar article, Portable signal. F. K. Hussey. 153,942, May 31.
Light, Taxicab cruising. C. D. Nelson, Jr. 153,971–2, May 31.
Light, Taxi top. W. H. Murray. 153,969, May 31.
Ornament or similar article, Table. L. McDougall. 153,966, May 31.
Oven or similar article, Baking. J. F. Stammler. 153,992, May 31.
Overshoe, Woman's. H. A. Watkins and E. M. Heimerl. 154,007, May 31.
Rack. I. R. Linnard. 153,957, May 31.
Range, Electric. H. L. Porter. 153,976, May 31.
Range, Gas. H. L. Porter. 153,977, May 31.
Resuscitator, Inhalator, and aspirator cabinet, Combination. M. H. Goodner. 153,944, May 31.
Ring, Finger. A. G. Sager. 153,984, May 31.
Ring, Finger. C. J. Scola. 153,986, May 31.
Scrubbing machine, Rug. W. L. Petersen. 153,974, May 31.
Shirt. J. Nachman. 153,970, May 31.
Slip or similar article. S. Wolf. 154,010, May 31.
Spatula, Bar. N. F. Brignola. 153,922, May 31.
Spectacles, Pair of. J. A. Lamber. 153,955, May 31.
Spoon or similar article. E. B. McAlpin. 153,964–5, May 31.
Stand for a hand telephone, Desk. H. Dreyfuss and R. H. Hose. 153,927–8, May 31.
Step plate, Tricycle. C. V. Queen. 153,978, May 31.
Textile fabric or similar article. J. Tricarico. 153,998, May 31.
Tongs, Laundry. P. H. Brown, Sr. 153,923, May 31.
Tool, Combination pocket. H. J. Smoleroff and J. J. Kovacs. 153,988, May 31.
Toy animal figure or other similar article. M. Sohn. 153,990, May 31.
Toy bird. D. J. Ranshan. 153,979, May 31.
Toy pistol. M. Fleishman. 153,929, May 31.
Trailer. P. W. Lane. 153,953, May 31.
Trailer, Automobile carrying. L. M. Francis. 153,931, May 31.
Tray, Chair-arm. M. Higgs and J. W. Crail. 153,940, May 31.
Vise or similar article, Bench. H. W. Vogl. 154,001, May 31.
Washing machine. M. H. Boldt. 153,920, May 31.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 31ST DAY OF MAY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive wheel. J. Chudner. 2,471,934, May 31.
Accumulator of the bipolar type, Electric. W. G. Schmidt. 2,471,781, May 31.
Acid, Storage of hydrofluoric. P. M. Waddill. 2,471,986, May 31.
Actuator, Air operated. J. Neuroth. 2,471,579, May 31.
Addition of chlorinated acetic acid derivatives to olefins. M. S. Kharasch and W. H. Urry. 2,471,570, May 31.
Adjustable mooring cable. K. L. Peck and E. F. Balmer. 2,472,026, May 31.
Adjustable ratchet wrench. A. E. Norman. 2,471,537, May 31.
Advertising device, Electrically illuminated. G. H. Rufle. 2,471,002, May 31.
Aircraft control apparatus. R. J. Kutsler and T. J. Willsen. 2,471,821, May 31.
Air gauge. R. S. Fox. 2,471,737, May 31.
Air supply apparatus for cupola furnaces. H. A. Reece. 2,471,776, May 31.
Air treating apparatus. C. D. Graham. 2,472,011, May 31.
Aluminum, Method and materials for producing coated. F. P. Sprunce, Jr. 2,471,909, May 31.
Animal trap. W. R. Horne. 2,471,748, May 31.
Animal trap. J. Wheeler. 2,471,804, May 31.
Annunciator. F. E. Wood. 2,471,666, May 31.
Antenna. G. H. Brown and J. Epstein. 2,471,815, May 31.
Antenna, Parabolic. S. E. Mautner. 2,471,828, May 31.
Apparatus for connecting and disconnecting heavier-than-air aircraft while in flight. S. C. Young. 2,471,599, May 31.
Apparatus for drying and heat-treating. A. J. Kiseksit. 2,471,964, May 31.
Apparatus for handling fluids. A. O. Hubbell. 2,471,623, May 31.
Apparatus for heat-treating air-pervious strip material. H. J. Walter and P. R. Rose. 2,471,802, May 31.
Apparatus for heating air. E. Nicholson. 2,471,972, May 31.
Apparatus for heating and cooling kettles. O. O. Oaks. 2,471,538, May 31.
Apparatus for making structural shapes. D. L. Mercer. 2,471,490, May 31.
Apparatus for making water gas. G. R. Steere. 2,471,792, May 31.
Apparatus for mounting work in a holder. E. E. Stevenson. 2,471,661, May 31.
Apparatus for oiling parts. D. C. Robson. 2,471,978, May 31.
Apparatus for simultaneously inductively heating a plurality of articles. A. O. Wood. 2,471,471, May 31.
Apparatus for supplying abrasive to buffing wheels. J. P. Creamer. 2,471,727, May 31.
Apparatus for supplying air to cupola furnaces. H. A. Reece. 2,471,775, May 31.
Apparatus for treating pipes. A. and L. Petrault. 2,471,580, May 31.
Appliance, Antifreeze. L. W. Breck. 2,471,718, May 31.
Appliance, Bathtub shower bath. I. V. Thulin. 2,472,030, May 31.
Appliance, Load-lifting. W. A. Ross. 2,471,901, May 31.
Applicator, Rotary disk glue. L. C. Fitzgerald. 2,471,519, May 31.
Apron. E. N. Stanton. 2,471,910, May 31.
Aqueous emulsion polymerization of acrylonitrile in the presence of an aromatic hydrocarbon. S. A. Harrison. 2,471,743, May 31.
Arc welding of magnesium, Gas-shielded carbon. P. Klain and R. B. MacPhail. 2,472,020, May 31.
Aromatic derivatives, Production of. W. N. Axe. 2,471,922, May 21.
Attachment for automobile luggage compartments, Table. E. C. Doerr. 2,471,730, May 31.
Austenitic cast iron. A. G. E. Robiette and P. F. Hancock. 2,472,027, May 31.
Awning, Movable. H. G. Jones. 2,471,962, May 31.
Bag: *See*—
Poultry bag.
Bag attachment, Vacuum cleaner. F. S. Howard. 2,471,431, May 31.
Ball bat, Rotatable practice. C. A. Christensen. 2,471,610, May 31.
Band, Adjustable metallic wrist. B. Maestri. 2,471,604, May 31.
Barrel engine mounting. E. S. Hall. 2,471,428, May 31.
Base, Baseball. J. G. Fleming and W. J. Klem. 2,471,736, May 31.
Baths containing a chloroprene polymer, Wool shrink-proofing. J. B. Rust. 2,471,456, May 31.
Battery vent and filler plug, Explosion-proof. J. Rittenhouse and M. F. Peters. 2,471,665, May 31.
Battery with level indicator, Storage. S. Stelmack. 2,471,660, May 31.
Bed partition. A. H. Power. 2,471,977, May 31.
Bed table. E. R. Norwood. 2,471,646, May 31.
Belt and transmission. W. A. Meyer. 2,471,969, May 31.
Beverages and product obtained thereby, Improving fermented. J. S. Wallerstein, E. Farber, and R. T. Alba. 2,471,502, May 31.
Blade-dispensing container. N. Testi. 2,472,051, May 31.
Blower for ventilators. C. W. Olson. 2,472,024, May 31.
Bobbin clutch. G. Magrath. 2,471,574, May 31.
Bodying of oil by heat. E. W. Moffett. 2,471,077, May 31.
Bottle carrier. J. de Swart. 2,472,005, May 31.
Bottle holder. E. W. Barlock. 2,471,512, May 31.
Bow, Decorative. F. C. Southgate. 2,471,590, May 31.
Bowl, Child's rocking. L. E. Kling. 2,471,528, May 31.
Box and corner lock therefor. P. W. Miessler. 2,471,883, May 31.
Bracket: *See*—
Scaffolding bracket.
Brake adjusting mechanism, Dual. A. Dieckmann. 2,471,865, May 31.
Brake cooling means. J. J. Bloomfield. 2,471,858, May 31.
Braking apparatus, Torque equalising. J. W. F. Holl. 2,471,956, May 31.
Braking means for electric motors. G. Malcom. 2,472,046, May 31.
Brassière. A. S. and V. I. Becker. 2,471,670, May 31.
Brassière. A. Rubinstein. 2,471,587, May 31.
Brick clip. R. A. Richards. 2,471,584, May 31.
Bromine trifluoride treatment of halohydrocarbons. E. T. McBee, V. V. Lindgren, and W. B. Ligett. 2,471,831, May 31.
Brush holder. E. J. Talamini. 2,471,591, May 31.
Brush lifter. J. A. Johnson. 2,472,018, May 31.
Brush, Metal-plated plastic. W. C. Bird. 2,471,855, May 31.
Brushes, Making wire. J. F. Cunningham, Jr. 2,472,003, May 31.
Bucket, Aerated minnow. K. L. Lumpkin. 2,471,573, May 31.
Burner control system, including a viscosity sensitive by-pass valve. R. B. Plass. 2,471,541, May 31.
Bushing. J. N. Gladden. 2,471,615, May 31.
Button, Detachable. H. A. Shaffer. 2,471,589, May 31.
Butyl rubber to metal, Adhesion of. W. C. Smith. 2,471,905, May 31.
C-clamp, Quick-acting. E. C. Neal. 2,472,022, May 31.
Cabinet with drawer and work board combination. D. La Barre. 2,471,529, May 31.
Cabinet with table forming front, Kitchen. S. W. Adams. 2,471,506, May 21.
Cable: *See*—
Adjustable mooring cable.
Repeated submarine signaling cable.
Calculator, Tree volume. C. Messavage. 2,471,491, May 31.
Calibrating peak current meter. C. W. Hansell. 2,472,013, May 31.
Cam action universal joint. V. P. Williams. 2,471,665, May 31.
Cam finishing machine. W. P. Norton, Jr. 2,471,493, May 31.
Cam for level winding devices. D. S. Reitz. 2,471,654, May 31.
Car: *See*—
Dump car.
Carbonyl compounds to their corresponding methylene analogues, Reducing. H. Minion. 2,471,697, May 31.
Carriage. G. E. Barcher, Jr. 2,471,658, May 31.
Carriage, Steerable infant's. W. C. Troendle. 2,471,985, May 31.
Carrier: *See*—
Bottle carrier.
Cart, Collapsible golf-bag. T. A. Hutsell. 2,471,751, May 31.
Cart, Collapsible portable. S. G. Zuckerman. 2,471,553, May 31.
Cartridge, Desiccator. F. P. Morf. 2,471,442, May 31.
Case: *See*—
Lipstick case.
Two-part pocket case.
Casing landing head. D. U. Shaffer and F. J. Schweitzer, Jr. 2,471,658, May 31.
Catalytic condensation of phenols with monocyclic dihydroterpenes. A. L. Rummelsburg. 2,471,464, May 31.

Catalytic partial oxidation process. L. K. Beach and G. C. Connolly. 2,471,853, May 31.
Cavity with adjustable walls, Tunable resonant. W. A. Edson and W. F. Kannenberg. 2,471,410, May 31.
Cellulose surfaces, Bonding. R. P. Roberts and K. Jones. 2,471,497, May 31.
Cement, Retarded. N. C. Ludwig. 2,471,632, May 31.
Centrifugally operable clutch. W. and H. Hinden. 2,471,747, May 31.
Chain: *See*—
Link chain.
Chart. B. Specter and J. J. Murray. 2,471,552, May 31.
Cheese and package therefor, Processing. F. M. Fisher and H. C. Hopp. 2,471,867, May 31.
Chuck. J. Bodle. 2,471,407, May 31.
Circuit: *See*—
Fence charging circuit. Modulator circuit.
Heater controlling circuit.
Circuit breaker. E. T. Plats. 2,471,837, May 31.
Circuit controller, Electric. G. B. Lutz. 2,471,633, May 31.
Circuit element for tuning an electric circuit over a plurality of frequency bands. F. B. Gusdorf and A. Horowitz. 2,471,523, May 31.
Circuit for generating a saw-tooth-like current in the deflecting coil of cathode-ray tubes. F. Kerkhof. 2,471,819, May 31.
Circuit for performing a timing function, Electronic control. H. W. Lord. 2,471,826, May 31.
Circuit for television transmitter systems, Vertical blanking. O. H. Schade. 2,471,903, May 31.
Circuit using cathode follower feed-in stages, Mixer. R. B. Reade and D. D. Grieg. 2,471,449, May 31.
Circumcision clamp. T. P. De Palo. 2,471,864, May 31.
Citrus waste press water, Treatment of. G. N. Pulley. 2,471,893, May 31.
Clamp: *See*—
Circumcision clamp. Pipe clamp.
Cleaner: *See*—
Sanitary drinking glass cleaner.
Clip: *See*—
Brick clip.
Clock, Electric alarm. W. K. Sessions, Jr., and E. D. Brightman. 2,471,549, May 31.
Closure and seal, Refrigerator. V. E. Mark and L. L. Judkerson. 2,471,634, May 31.
Closure for stapling machines, Magazine. O. A. Wandel. 2,472,032, May 31.
Clothespin. B. Burns. 2,471,606, May 31.
Clothes-washing and cleaning machine. G. Kuhn. 2,471,876, May 31.
Clothes-washing machine. L. M. Kahn. 2,471,433, May 31.
Clutch: *See*—
Bobbin clutch.
Centrifugally operable clutch.
Clutch of the pin and socket type, One-way. W. A. Taylor. 2,471,793, May 31.
Cobalt from electrolytes, Removing. D. L. Griffith and M. J. Rankin. 2,471,952, May 31.
Code-signaling system, Pulse. C. E. Cleeton. 2,471,413, May 31.
Coil construction and method. I. Gebel. 2,471,869, May 31.
Collapsible steam table. L. N. Hilkin. 2,471,420, May 31.
Collector for shuttle feed conveyers, Dust. M. I. Dorfan. 2,472,053, May 31.
Collet chucking assembly, Spring loaded. T. J. Ashdown. 2,471,921, May 31.
Coloring matters of the phthalocyanine series from phthalyl halides, Manufacture of. R. J. Sumner. 2,471,794, May 31.
Column-stand for supporting apparatus vertically movable along the column particularly X-ray apparatus. D. E. Berggren. 2,471,998, May 31.
Combination lipstick and rouge container. A. B. Moore. 2,471,441, May 31.
Combustion system for turbine engines. R. E. Heald. 2,472,014, May 31.
Compensator. J. Robinson. 2,471,586, May 31.
Composite ornamental strip. S. Matsner. 2,471,576, May 31.
Compressor lubrication supply mechanism. C. B. Fites. 2,471,868, May 31.
Computer, Electronic. R. L. Snyder, Jr., and J. A. Rajchman. 2,471,788, May 31.
Concrete brick press. H. K. Farris and W. Renshaw. 2,471,731, May 31.
Condenser. B. C. Johnson. 2,471,960, May 31.
Connector: *See*—
Electrical connector.
Connector device, Electrical. G. M. Mierley. 2,471,440, May 31.
Connector with spring wire, Electric. H. W. Batcheller. 2,471,923, May 31.
Contact construction, Circuit breaker. A. S. Caswell. 2,471,608, May 31.
Container: *See*—
Blade-dispensing container.
Combination lipstick and rouge container.
Container and closure therefor. G. Glocker. 2,471,565, May 31.

622 O. G.—996

Continuous press. R. T. Anderson. 2,471,920, May 31.
Control apparatus, Coin-operated typewriter. J. B. Graham. 2,471,617, May 31.
Control apparatus, Current. K. A. Lang. 2,471,622, May 31.
Control apparatus, Fluid responsive. L. Ringer. 2,471,778, May 31.
Control apparatus for variable loads, Electric. H. D. Van Sciver, II. 2,472,044, May 31.
Control apparatus, Percentage power. R. S. Davies. 2,472,042, May 31.
Control-device for automatic and semiautomatic firearms. W. C. Roemer. 2,471,779, May 31.
Control mechanism, Ironing machine. W. H. Bradley. 2,471,717, May 31.
Control of electrolytic processes. G. E. Stoltz, J. R. Erbe, and R. A. Geiselman. 2,471,912, May 31.
Control system. P. S. Dickey. 2,471,726, May 31.
Control system, Electrical. E. M. Callender. 2,472,048, May 31.
Control system, Position and speed. W. F. Frost. 2,471,422, May 31.
Control system, Weld. H. R. Davies. 2,472,041, May 31.
Controller, Electric circuit. J. D. Russell and J. W. Woolf. 2,472,048, May 31.
Controller for domestic appliances, Time and temperature. R. R. Candor. 2,471,862, May 31.
Controlling system for condition regulators. W. L. Hunt. 2,471,872, May 31.
Controlling system for propeller blades, Pitch. J. I. Hamilton. 2,471,933, May 31.
Conversion of iron chloride into iron oxide and hydrochloric acid. S. Strelzoff. 2,471,844, May 31.
Converting material. W. S. Martin. 2,471,882, May 31.
Cooling and display device, Bottle. W. G. Poissant. 2,471,581, May 31.
Copolymer of styrene and a phenyl-vinyl acetate. D. T. Mowry and C. L. Mills, Jr. 2,471,766, May 31.
Copolymers of vinyl aromatic compounds. R. B. Seymour and J. M. Butler. 2,471,785, May 31.
Copper, Electrodeposition of. K. S. Willson and D. G. Ellis. 2,471,916, May 31.
Core catcher. J. S. Goodwin. 2,471,616, May 31.
Corrosion resistance of ferriferous metals, Method of and material for increasing the. E. Snyder. 2,471,907, May 31.
Cotton picking apparatus. P. W. Spell. 2,471,842, May 31.
Coupling: *See*—
Pipe coupling. Wabbler coupling.
Trailer coupling.
Covering for aircraft parts, Sheet. F. Nagel. 2,471,768, May 31.
Crib having a movable partition, Child's. F. M. Hurst. 2,471,691, May 31.
Crossarm lathe wrench. I. E. Toye. 2,471,593, May 31.
Cup for mink or other penned animals, Drinking. L. F. Jonas. 2,471,527, May 31.
Cutter for weft replenishing looms, Filling thread. G. C. Beatrice. 2,471,809, May 31.
Cutter mounting. H. A. Fry. 2,471,613, May 31.
Cylinder hydraulic washer. L. Johnston. 2,471,624, May 31.
Damper. J. E. Maynard and P. O. Collins. 2,471,980, May 31.
Damper counterbalance, Dynamic. G. I. Holmes. 2,471,687, May 31.
Damper, Flutter. W. M. Bleakney, L. F. Zielinski, and C. M. Ede. 2,471,857, May 31.
Deluge valve. H. G. Freeman. 2,472,006, May 31.
Dental hand piece. H. E. T. Jensen. 2,471,526, May 31.
Dentures, Repair of. F. E. Steigleman. 2,471,001, May 31.
Derrick, Portable. D. R. Moore. 2,471,402, May 31.
Desiccating orange juice involving freeze drying. E. W. Flosdorf. 2,471,677, May 31.
Detector, Interference reducing amplitude modulation. D. D. Grieg. 2,471,427, May 31.
Detergent composition. M. M. Morris and A. K. Kleeman. 2,471,645, May 31.
Device for beating time in teaching music. R. E. Weiss. 2,471,990, May 31.
Device for controlling the release of high-pressure fluid mediums. H. C. Grant, Jr., and A. E. Reichard. 2,471,425, May 31.
Device for controlling the tightness of expanded tube joints. R. A. Gilman. 2,471,614, May 31.
Device for locating faults in cables. H. S. Dimmick and F. S. Jenkins. 2,471,417, May 31.
Device for producing rectilinear movement of the optical assembly in cinematograph apparatus. A. Bécote. 2,471,715, May 31.
Device for simulating runway localizer and glide path beams for training purposes. G. C. Melvin, P. C. Jones, and S. B. White. 2,471,430, May 31.
Device for straightening toes. B. M. Baltor. 2,471,997, May 31.
Device to form teeth in the edge of a knife. L. Pavesi and P. P. Rodoni. 2,471,699, May 31.
Diaper holder. C. B. Birkle. 2,471,556, May 31.
Diluent in hydrocarbon synthesis process, Treatment of solid. S. D. Sumerford. 2,471,913, May 31.
Direction finder, Frequency controlled. T. H. Clark. 2,471,412, May 31.

Dispenser: *See*—
Lighted cigarette dis- Tooth powder dispenser.
penser.
Dispenser for refrigerators, Automatic frozen cube. D. L. Wallace. 2,471,801, May 31.
Dispenser with flow restricting valve. R. G. Ban. 2,471,852, May 31.
Display device, Magnetic. L. E. Selders. 2,471,981, May 31.
Door check. A. Van Veen and K. B. Noble. 2,471,707, May 31.
Door closure and seal, Magnetic. V. E. Mark and L. L. Anderson. 2,471,635, May 31.
Door construction. R. Cadwallader. 2,471,811, May 31.
Door opening mechanism. K. Williams. 2,472,034, May 31.
Dresser, Stone. P. Weynand. 2,471,991, May 31.
Dressing, Surgical. W. J. Gardner. 2,472,009, May 31.
Drier: *See*—
Hair drier.
Drive for leatherworking machines, Hydraulic. R. J. Stehling. 2,471,984, May 31.
Drive for rotary grates and the like, Hydraulic. F. W. Spahr and J. S. Haug. 2,471,983, May 31.
Dry cleaning. C. S. Arnold. 2,471,667, May 31.
Dump car. H. W. Johns. 2,471,874, May 31.
Dye composition comprising an alkylol amine, Liquid sulfur. R. C. Conn. 2,472,052, May 31.
Dyes, Monoazo pyrazolone. O. Knecht and T. Wirth. 2,471,628, May 31.
Dyes, Trinuclear iminol cyanine. A. W. Anish. 2,471,996, May 31.
Dyes, Trisazo. W. Wehrli and F. Kehrer. 2,471,664, May 31.
Dyestuffs, Cyanine. J. D. Kendall and F. P. Doyle. 2,471,488, May 31.
Earring or other ornament, Aromatic. B. Gilowitz. 2,471,949, May 31.
Easel. G. E. Nichols. 2,471,536, May 31.
Eggs by freezing, Preservation of. S. A. Kaloyereas. 2,471,626, May 31.
Electric generator. R. C. Harris. 2,471,741, May 31.
Electric immersion heater. A. P. Charbonneau. 2,471,609, May 31.
Electric insect and rodent trap. L. M. McFadden. 2,471,640, May 31.
Electric motor. A. M. Cristiano. 2,471,812, May 31.
Electric razor holder. M. Long. 2,471,825, May 31.
Electric switch. J. A. Favre. 2,471,815, May 31.
Electrical connector. D. C. Hubbard. 2,471,957, May 31.
Electrode. G. H. McIntyre and R. E. Skinner. 2,471,531, May 31.
Electrode for dry electrical testing of insulated wire, Sparking. R. B. Everson and W. E. Ward. 2,471,560, May 31.
Electrode for hard facing, Welding. R. Castro and A. Lebet. 2,471,931, May 31.
Electrode for welding, Flexible. K. K. Brueckner. 2,471,478, May 31.
Electromagnetic reciprocating motor. E. Dieboid. 2,471,729, May 31.
Electron discharge device. J. J. Glauber. 2,471,424, May 31.
Electronic signal generator. D. E. Norgaard. 2,471,836, May 31.
Element for coaxial transmission lines, Resistance. E. Feenberg. 2,471,732, May 31.
Endpiece for slide fastener closures. A. Süsskind. 2,471,461, May 31.
Engine with lateral support for burners, Atmospheric pressure. O. Z. Frazier. 2,471,421, May 31.
Equipment for electric arcs, Supply. J. C. Milne. 2,471,641, May 31.
Escape device. L. L. Werner. 2,471,467, May 31.
Ethylene diformate, Production of. H. W. Fleming. 2,471,520, May 31.
Extension leaf table. C. H. Schnorr. 2,471,782, May 31.
Fan. R. D. Moore. 2,471,578, May 31.
Fan, Air circulating. J. H. Beckert. 2,471,671, May 31.
Fan, Electric. E. Zacharias. 2,472,039, May 31.
Fastener feeding and securing apparatus. J. S. Stull. 2,471,793, May 31.
Feedback system. L. S. Nergaard. 2,471,535, May 31.
Fence charging circuit. L. A. Woolley. 2,471,993, May 31.
Fence post, Electric. B. Grob. 2,471,662, May 31.
Ferrous sulfate pretreatment in emulsion polymerization of conjugated diolefins. W. W. Crouch and J. E. Pritchard. 2,471,938, May 31.
Filter: *See*—
Liquid filter.
Filter construction, Zigzag. O. H. Schaaf. 2,471,548, May 31.
Finishing polymers. W. A. Wurth and S. C. Lane. 2,472,037, May 31.
Fire extinguisher. J. H. Stroop. 2,471,460, May 31.
Fishing lure. F. G. Shipman. 2,471,499, May 31.
Fishing reel. R. L. Cannon. 2,471,723, May 31.
Fixture for relief grinding of cutting tools. E. E. Parker. 2,471,539, May 31.
Flatware, Producing. F. S. Robinson. 2,471,900, May 31.
Floor protector. W. E. White. 2,471,708, May 31.
Flowmeter. R. M. Otis. 2,472,056, May 31.
Flux coating, Weldrod. R. D. Wasserman. 2,471,803, May 31.
Flux, Soldering. W. H. Rinkenbach and A. J. Clear. 2,471,451, May 31.
Folding table. H. V. Gandette. 2,471,564, May 31.
Following and recording. W. J. Kinderman. 2,472,019, May 31.
Food preservation. F. L. Jungerich. 2,472,017, May 31.
Forming wells, Method of and apparatus for. I. J. McCullough. 2,471,695, May 31.
Frame: *See*—
Thermoplastic luggage frame.
Frame and double sash unit, Window. P. M. Henderson and L. H. Gatter. 2,471,685, May 31.
Frame having pivoted corner-pieces, Picture. G. Rosenberg and L. Spiselman. 2,471,545, May 31.
Fumaronitrile, Preparation of. D. T. Mowry and W. H. Yanko. 2,471,767, May 31.
Furfuryl alcohol-phenol aldehyde resinous products and making the same. H. H. Lebach. 2,471,831, May 31.
Furfuryl alcohol resin, Making a. P. L. McWhorter, Jr. 2,471,438, May 31.
Furfuryl alcohol resinous products and the product, Making. W. H. Adams, Jr., and H. H. Lebach. 2,471,600, May 31.
Furnace. E. O. Howle. 2,471,749, May 31.
Furniture, Metal. B. F. Hamilton. 2,471,740, May 31.
Gap-aligning device, Piston ring. A. H. Bates. 2,471,402, May 31.
Garment hanger. H. H. Fernald. 2,471,944, May 31.
Garment, Slip-over style of outer. W. A. Riggs. 2,471,543, May 31.
Gas, Treatment of coke-oven. J. A. Shaw. 2,471,550, May 31.
Gas washer. N. C. Christensen. 2,471,724, May 31.
Gauge: *See*—
Air gauge. Machinist's gauge.
Indicating gauge.
Gear blank, Welded. J. R. Mahan. 2,471,827, May 31.
Gear pump. A. B. Thacher. 2,471,915, May 31.
Generator: *See*—
Electric generator.
Electronic signal generator.
Generator for telemetering systems, Impulse. G. M. Giannini. 2,471,947, May 31.
Glassmeter, Photoelectric. R. S. Hunter. 2,471,750, May 31.
Governing apparatus. D. R. Staples. 2,472,050, May 31.
Grate fastening. H. M. Simon. 2,471,659, May 31.
Grater with horizontal axis disk, Food. W. A. Moran. 2,471,643, May 31.
Grinder, Drill. G. Munro. 2,471,443, May 31.
Grinding machine. G. Brinkmann. 2,471,406, May 31.
Grinding machine, Crankpin. A. V. Spongberg and H. G. Pasholine. 2,471,706, May 31.
Guard, Chick fountain. J. R. Morton. 2,471,765, May 31.
Guard for grinding machines and the like. E. C. Fielding. 2,471,561, May 31.
Guard, Stock. J. A. Slaughter. 2,471,551, May 31.
Gun sight. D. S. McMillan. 2,471,761, May 31.
Handle: *See*—
Toothbrush handle.
Hanger: *See*—
Garment hanger.
Hair drier. R. K. Boyer. 2,471,405, May 31.
Hair drier. J. F. Saye. 2,471,857, May 31.
Hat, Sportsman's. E. W. Wetzel. 2,472,033, May 31.
Haybrake, Tractor type. A. R. Baker. 2,471,713, May 31.
Heat exchange apparatus for fluids. R. Poole. 2,471,582, May 31.
Heat exchange unit. L. P. Seifner and R. C. Moreau. 2,471,784, May 31.
Heat exchanger in expansion valve structures, Built-in. E. D. V. Platon. 2,471,448, May 31.
Heated dental instrument table. E. L. Monnot. 2,471,884, May 31.
Heater: *See*—
Electric immersion heater.
Heater controlling circuit. V. W. Breitenstein. 2,471,929, May 31.
Heater system. V. N. Tramontini. 2,471,846, May 31.
Heater with fuel retaining trough and igniter pocket, Combustion. H. J. D. McCollum. 2,471,833, May 31.
Heater with Knipp's singing tubes, Internal-combustion. H. J. D. McCollum. 2,471,832, May 31.
Heating unit, Electrical. A. Cote. 2,471,674, May 31.
Helicopter rotor drive and control system. C. M. Seibel. 2,471,904, May 31.
High-explosive compositions or charges, Manufacture of. H. R. Wright and J. Taylor. 2,471,851, May 31.
Holder: *See*—
Bottle holder. Motor brush holder.
Brush holder. Napkin holder.
Diaper holder. Photographic film holder.
Electric razor holder. Rope holder.
Memorandum paper holder. Toothbrush holder.
Holder and expeller, Button-making tubular-saw. R. N. Palmer. 2,471,098, May 31.
Holder for drills and the like, All-purpose work. E. Dion. 2,471,940, May 31.
Holder for weft replenishing looms, Pneumatic thread. R. G. Turner. 2,471,847, May 31.
Hood control, Automatic welder's. W. S. Broffitt. 2,471,719, May 31.

House, Poultry. P. De Jongh. 2,471,675, May 31.
Hydraulic jack. S. V. Noble. 2,471,770, May 31.
Hydrocarbonoxybis trifluoromethyl benzenes. E. T. McBee, R. O. Bolt, and R. Tebbe. 2,471,829, May 31.
Hydrocarbonoxy(trifluoromethyl)-benzene synthesis. E. T. McBee, R. O. Bolt, and R. Tebbe. 2,471,830, May 31.
Hydrocarbons, Synthesizing. S. B. Sweetser. 2,471,914, May 31.
Hydrocarbons, Treatment of. P. M. Arnold. 2,471,602, May 31.
Ice maker, Automatic. T. W. Rundell. 2,471,655, May 31.
Identification system, Telephone calling line. G. Deakin, W. Hatton, and L. A. B. Cabes. 2,471,415, May 31.
Illuminator, Vertical. D. D. Lowber and L. J. Peters. 2,471,870, May 31.
Impedance unit, Preassembled. D. H. Mitchell. 2,472,021, May 31.
Improving the tensile strength of grey cotton yarn. L. Axford. 2,471,554, May 31.
Indicating device. J. D. McCullough. 2,471,968, May 31.
Indicating gauge. A. D. Rose and B. Willach. 2,471,704, May 31.
Indicating system and method, Plan position. N. W. Bryant. 2,471,516, May 31.
Indicator: *See*—
pH indicator.
Indicator means for sadirons, Temperature. C. H. Sparklin. 2,471,458, May 31.
Inductors, Making ultra high frequency. J. L. Reinartz. 2,471,777, May 31.
Ingredient for prepared food mixes and preparing same. M. H. Kimball, C. G. Harrel, and R. G. Brown. 2,471,435, May 31.
Insect-affecting compositions. F. J. Sowa and A. Schwerdle. 2,471,790, May 31.
Installation for the granulation of slag. R. Dolezal. 2,471,559, May 31.
Instrument and bearing therefor. S. S. Green. 2,471,618, May 31.
Instrument, Celestial navigation. W. F. Hiltner. 2,471,886, May 31.
Instrument, Musical. W. and J. Muth, Jr. 2,471,534, May 31.
Insulator mounting. J. H. Schumacher. 2,471,839, May 31.
Iron: *See*—
Austenitic cast iron.
Isoalloxazines, Preparing. W. G. Farkas and L. A. Flexser. 2,472,007, May 31.
Isomerization of olefins in the presence of hydrogen fluoride impregnated alumina. A. G. Oblad and J. U. Messenger. 2,471,647, May 31.
Jack: *See*—
Hydraulic jack.
Jacket for molds, Slip-on. A. B. Henkel. 2,472,015, May 31.
Jig for manufacturing laminated timbers, Adjustable. C. D. Donker. 2,472,006, May 31.
Joint: *See*—
Cam action universal joint. Universal joint.
Joint assembly. J. H. Booth. 2,471,672, May 31.
Jumper line and clamp therefor, Electrical. T. H. Bowen. 2,472,000, May 31.
Knife, Cake and pie. S. A. Weinberg. 2,471,466, May 31.
Lavatory flush valve. J. Sweeney. 2,471,662, May 31.
Lawn mower. H. H. Packwood. 2,471,975, May 31.
Leak-stopping compositions. C. A. Blair. 2,471,856, May 31.
Leather roughing tool. C. C. Smith. 2,471,787, May 31.
Lemon and lime juices, Desiccating. E. W. Flosdorf. 2,471,678, May 31.
Lift, Bench stand table. R. L. Hatch. 2,471,955, May 31.
Lifter: *See*—
Brush lifter.
Lifter and carrier, Lid. A. M. Lewis. 2,471,878, May 31.
Lifting device for power hack saws, Blade. T. A. Podhajsky. 2,471,700, May 31.
Lighted cigarette dispenser. M. Kirsch. 2,471,820, May 31.
Lime, Making stabilized gel-type hydrated. B. E. Kester. 2,471,875, May 31.
Line producing device for typewriters. M. G. Lemos. 2,471,757, May 31.
Linings for books and for analogous purposes, Creasing. L. J. R. R. French. 2,471,482, May 31.
Link chain. G. A. Gotti, A. Killian, and N. Volpicelli. 2,471,950, May 31.
Lipstick case. S. Frydlender. 2,471,483, May 31.
Liquid filter. R. G. Hanneman. 2,472,012, May 31.
Listing attachment, Telephone number. G. A. Higbee. 2,471,430, May 31.
Load lifting and lowering mechanism, Fluid actuated. I. A. Weaver. 2,471,980, May 31.
Loading machine. E. M. McElhinney. 2,471,639, May 31.
Lock for trailers, Fifth wheel. P. H. Bles and F. M. Cruthers. 2,471,854, May 31.
Lock for vises, Base. R. M. Nelson. 2,471,444, May 31.
Locking and aligning system, Conveyer. A. B. Bogle. 2,471,513, May 31.
Loom stopping means. E. J. Szabo and P. W. Christley. 2,471,845, May 31.
Machine agitator, Oscillatory washing. R. H. Marsh. 2,471,760, May 31.
Machine and method of making oil filter packs. A. R. White. 2,471,595, May 31.
Machine for fabricating strakes for boat construction or the like. A. G. S. Sandison. 2,471,780, May 31.
Machine for separating spent hops from wort. E. L. Chaffee. 2,471,517, May 31.
Machinist's gauge. J. E. Hastings. 2,471,684, May 31.
Magnesium-base alloys, Treatment of. J. S. Peake and F. E. Robbins. 2,472,025, May 31.
Magnetic band pickup tool. C. H. Miller and W. S. Wilks. 2,471,764, May 31.
Magnetic separator. R. H. Stearns. 2,471,911, May 31.
Mailbox, Signaling. G. Aindl. 2,471,910, May 31.
Mandrel with means for clamping and spreading tubes. F. A. Gruetjen. 2,471,485, May 31.
Measuring device, Fluid pressure. C. H. Gibbons. 2,472,045, May 31.
Measuring device for bulk material, Automatic. P. F. Overmyer. 2,471,494, May 31.
Measuring microwave power. W. D. Hershberger. 2,471,744, May 31.
Mechanism for injection molding machines, Multiple nozzle. E. W. Halbach. 2,471,683, May 31.
Melting machine, Snow and ice. A. Fiduccia. 2,471,733, May 31.
Memorandum paper holder. E. L. Wayne. 2,471,504, May 31.
Mending device. D. C. Hungerford. 2,472,016, May 31.
Mercury compounds and making same. M. Hartmann and W. Bosshard. 2,471,621, May 31.
Mercury compounds and preparing same. M. Hartmann and W. Bosshard. 2,471,622, May 31.
Metal disks and the like, Method of and apparatus for inspecting and assorting. F. H. Lucas and G. E. Rhodes. 2,471,489, May 31.
Metal structure, Coated. F. S. Stewart and V. R. Hardy. 2,471,600, May 31.
Metallurgical slags, Utilizing. G. R. Fitterer. 2,471,562, May 31.
Meter: *See*—
Calibrating peak current meter.
Metering apparatus for drill pipe and the like, Length. J. F. Moore, Jr. 2,471,644, May 31.
Metering device and method, Ultra high frequency. S. Yando. 2,472,038, May 31.
Methacrylonitrile from α-aminoisobutyraldoximes, Preparation of. N. M. Bortnick and D. J. Butterbaugh. 2,471,927, May 31.
Methacrylonitrile, Preparation of. N. M. Bortnick and G. W. Cannon. 2,471,928, May 31.
Minerals for film concentration, Conditioning. J. Dasher and J. E. Norman. 2,471,414, May 31.
Mirror attachment, Antiglare rearview. W. L. Hendricks. 2,471,524, May 31.
Mixer. A. G. Granath. 2,471,467, May 31.
Mixing valve. W. B. Clifford. 2,471,725, May 31.
Modulator circuit. D. E. Norgaard. 2,471,835, May 31.
Molded articles, Method and apparatus for making. J. Gregg. 2,471,739, May 31.
Molding and packaging machinery. E. J. Rapp and H. R. Coon, Sr. 2,471,702–3, May 31.
Molding apparatus, Injection. W. P. Cousino. 2,471,813, May 31.
Mooring cables to rotary winged aircraft, Connecting. G. A. Ring. 2,471,544, May 31.
Motor: *See*—
Electric motor.
Electromagnetic reciprocating motor.
Motor brush holder. M. Culkosky. 2,471,480, May 31.
Motor packing, Fluid. A. Rappl. 2,471,897, May 31.
Motor speed control. P. E. Volz. 2,471,916, May 31.
Motor vehicles, Transporting. F. I. Galey. 2,471,521, May 31.
Mount, Floating motor. A. Pollak. 2,471,773, May 31.
Mounting: *See*—
Barrel engine mounting. Spinner mounting.
Cutter mounting. Vibration damping mounting.
Insulator mounting.
Shockproof gauge mounting.
Mounting and locking device for the wheels of aircraft, Retractable. A. E. J. Bishop. 2,471,603, May 31.
Mounting device, Electrical. H. G. Johnstone. 2,471,625, May 31.
Mounting for tandem springs for trucks. C. A. Wicker. 2,471,992, May 31.
Mounting for the driving and operating mechanisms of industrial trucks. P. E. Hawkins. 2,471,429, May 31.
Multiple circuit switch. H. G. Sells. 2,471,841, May 31.
Napkin holder. B. A. Schroeder. 2,471,783, May 31.
Neutrodyning for short waves. G. Ahier and E. Touraton. 2,471,401, May 31.
Nicotinic acid amide and preparing same. B. F. Duesel and H. L. Friedman. 2,471,518, May 31.
Nitrocellulose, Stabilization of. R. E. Reeves and J. E. Giddens. 2,471,583, May 31.
Oil-resistant composition. P. T. Gidley. 2,471,870, May 31.
Oil seal removing tool. W. H. Bishop. 2,471,557, May 31.
Olefin-polyolefin-rubbery polymers, Reclaiming synthetic. L. T. Eby. 2,471,866, May 31.

1-naphthylamine-2-sulfonic acid, Preparation of. B. C. Coan and R. H. Weiss. 2,471,400, May 31.
Operating handle lever means for rotary hand brakes. K. Williams. 2,472,036, May 31.
Offenting and feeding apparatus, Pear. B. C. Coons. 2,471,479, May 31.
Oven with means to withdraw utensils therefrom, Cooking. R. Groetchen. 2,471,560, May 31.
pH indicator. J. W. Ransom. 2,471,896, May 31.
Paintbrush protector. M. Buhoveckey. 2,472,001, May 31.
Pallet construction. J. Lilienfeld. 2,471,693, May 31.
Panel. J. B. Anthony. 2,471,510, May 31.
Papers, Facsimile recording. F. G. Calkin. 2,471,607, May 31.
Para nitrophenyl diethyl thionophosphate, Preparing. A. D. F. Toy and T. M. Beck. 2,471,404, May 31.
Pen construction, Play. E. E. Merrett. 2,471,762, May 31.
Penicillin culture liquors, Solvent extraction of. C. A. Wilkerson. 2,471,597, May 31.
Perforator, Wallpaper. L. T. Merrick. 2,471,763, May 31.
Perimeter comprising an artificially illuminated concave spherical reflector, Ophthalmic. H. Papritz. 2,471,652, May 31.
Phonograph pickup unit using magnetostrictive wire. S. R. Rich. 2,471,542, May 31.
Phonograph pickup, Variable resistance. R. B. Albright. 2,471,901, May 31.
Phosphonic and thiophosphonic acid chlorides, Forming. W. H. Woodstock. 2,471,472, May 31.
Photographic film holder. E. E. Garrett, R. C. Steck, and A. T. Yasensky. 2,471,522, May 31.
Photographic processes for producing multicolor images. W. H. Ryan and V. K. Walworth. 2,471,547, May 31.
Picker stick. H. Menking. 2,471,532, May 31.
Pipe clamp. P. G. Damstra. 2,471,611, May 31.
Pipe coupling. G. A. Lowrey. 2,471,759, May 31.
Pipe couplings, Self-closing. P. E. Thomas. 2,471,798, May 31.
Piston and cylinder construction for reciprocating hydraulic motors. L. E. Godfriaux. 2,471,484, May 31.
Piston packing. H. Bonnaud. 2,471,477, May 31.
Plastic injection apparatus and method. W. P. Cousino. 2,471,814, May 31.
Plasticiser composition, Rubber. F. J. Soday. 2,471,789, May 31.
Plasticizing agents comprising dialkyl phenyl-phosphonates and compositions containing the same. A. D. F. Toy. 2,471,463, May 31.
Plate switch controlling mechanism, Breakable. C. N. Cahuzac. 2,471,410, May 31.
Pneumatically operated pump. G. A. Rood. 2,471,498, May 31.
Polymer, Stabilized. J. F. Nelson. 2,471,887, May 31.
Polymerization of acrylonitrile. S. A. Harrison. 2,471,742, May 31.
Polymerization of isobutylene in the presence of controlled amounts of promoters for the reaction. F. A. Palmer. 2,471,890, May 31.
Polymerizations employing azo compounds as catalysts. M. Hunt. 2,471,959, May 31.
Polysiloxane lubricants, Liquid. D. F. Wilcock. 2,471,850, May 31.
Post and clamp mechanism for cycle saddles. H. E. Kalter. 2,471,627, May 31.
Poultry bag. D. E. Post. 2,471,701, May 31.
Power actuated wrench. A. E. Church. 2,471,863, May 31.
Power plant having radial flow compressor and turbine means, Reactive propulsion. N. C. Price. 2,471,892, May 31.
Power plant, Steam-air-thermal. W. Karrer. 2,471,755, May 31.
Power-transmitting device. M. S. Baker. 2,471,669, May 31.
Press: *See*—
Concrete brick press. Punch press.
Continuous press.
Pressed and sintered oxidation resistant nickel alloys. J. Kurtz. 2,471,630, May 31.
Pressure controlled injection valve. J. J. Broeze. 2,471,605, May 31.
Pressure regulating valve. D. C. Breault. 2,471,859, May 31.
Pressure switch. A. E. Ross. 2,471,838, May 31.
Preventing frosting of evaporator heat exchangers. F. M. Jones. 2,471,692, May 31.
Printer for conveyers, Roller. S. Rosen. 2,471,452, May 31.
Projection indicating apparatus, Shadow image. E. von Mullinen. 2,471,800, May 31.
Propeller foil plates, Constructing. F. A. Gruetjen. 2,471,486, May 31.
Protective device for casters. V. L. Humphreys. 2,471,058, May 31.
Protective means, Electric. R. E. Seely. 2,471,840, May 31.
Protector: *See*—
Floor protector. Paintbrush protector.
Pulley. P. A. Smith. 2,471,906, May 31.
Pulp apparatus and method, Molded. M. P. Chaplin. 2,471,932, May 31.
Pump: *See*—
Gear pump. Reciprocating pump.
Pneumatically operated Weight-operated air pump. pump.
Pump. J. C. Williams. 2,471,596, May 31.
Pump device. G. Johnston. 2,471,753, May 31.
Pump for aquarium aerators, Air. G. A. Thiberg. 2,471,796, May 31.
Pump or the like. A. O. Price. 2,471,653, May 31.
Pump with pressure loaded stepped bushing. E. F. Wichorek. 2,472,031, May 31.
Pumping mechanism. D. P. Davis. 2,471,939, May 31.
Punch press. J. B. Winther. 2,471,505, May 31.
Pyrolysis of beta-oximino-tert.-butyl pyridinium chloride. C. B. Wooster. 2,471,994, May 31.
Radio beacon system, Equisignal. W. J. O'Brien. 2,471,648, May 31.
Radio communicating system. E. M. Deloraine and D. D. Grieg. 2,471,416, May 31.
Radio impulse receiver, Interference reducing. C. W. Earp. 2,471,418, May 31.
Radio object location device. W. H. Newbold. 2,471,888, May 31.
Radio obstacle detection apparatus. H. G. Busignies. 2,471,408, May 31.
Radio range system. H. Wilkie and F. L. Moseley. 2,471,470, May 31.
Radio receiving set. M. Hay. 2,471,569, May 31.
Ramp, Portable and foldable vehicle lifting. L. A. Larson. 2,471,756, May 31.
Razor, Expendable. J. H. Harris. 2,471,620, May 31.
Reaction of an acetylene with HF to produce vinyl fluoride and/or difluoroethane and homologues thereof. J. C. Hilliyer and J. F. Wilson. 2,471,525, May 31.
Reactor. P. H. E. Claesson. 2,471,411, May 31.
Reactor, Variable. O. H. Schmitt. 2,471,705, May 31.
Reciprocating pump. N. E. Brigham. 2,471,860, May 31.
Reclaiming scrap of natural rubber mixed with Buna-S. R. L. Randall. 2,471,466, May 31.
Reclamation of selenium rectifier cells. D. W. Rau. 2,471,898, May 31.
Reel: *See*—
Fishing reel.
Reflecting and focusing apparatus with pivotally adjustable spaced apart reflecting members for heat and light rays. W. J. Harvey. 2,471,954, May 31.
Regulating device, Current. K. A. Lang. 2,471,823, May 31.
Regulator: *See*—
Ship's log transmission regulator.
Regulator for internal-combustion engines, Temperature. D. L. Morgan. 2,471,533, May 31.
Relay, Electronic. E. B. McDowell and P. Juchter. 2,471,834, May 31.
Relay, Piezoelectric type switching. W. P. Mason. 2,471,967, May 31.
Relay, Thermal. J. D. Bolesky. 2,471,924, May 31.
Relief valve. F. W. Schneck. 2,472,049, May 31.
Remote-control system. H. A. Stamper. 2,471,843, May 31.
Remover, Airfoil ice. W. A. Pulver. 2,471,894, May 31.
Repeater for submarine electric cables. M. van Hasselt. 2,471,465, May 31.
Repeater, Two-way regenerative. L. M. Potts. 2,471,891, May 31.
Repeatered submarine signaling cable. W. K. Weston. 2,471,468, May 31.
Resinous esters, Depolymerized copal-like. W. Krumbhaar. 2,471,629, May 31.
Resins and making same, Carboxylated. M. J. Hunter and W. C. Bauman. 2,471,818, May 31.
Resistors, Making insulated. H. G. Thomson. 2,471,592, May 31.
Ring and making same, Fusible. A. Pandolfi. 2,471,650, May 31.
Ring assembly, Collector. J. H. Baker. 2,471,808, May 31.
Rodent trap. J. Russell. 2,471,546, May 31.
Roller, Cigarette. A. F. Sas. 2,471,656, May 31.
Rope holder. G. A. Ward and O. Koleske. 2,471,503, May 31.
Rosin size composition, Stabilized dry. J. C. Barthel, A. R. Davis and E. N. Poor. 2,471,714, May 24.
Rubber-like articles and making same. G. H. McFadden. 2,472,054, May 31.
Rubber-like articles and making same. G. H. McFadden, J. F. Lyman, and A. G. Horney. 2,472,055, May 31.
Rule, Steel measuring. E. J. Witchger. 2,471,709, May 31.
Rust preventive compositions. P. R. McCarthy. 2,471,638, May 31.
Rust preventive compositions. M. A. Pallwoda and G. W. Duncan. 2,471,889, May 31.
Safety device for motion-picture projectors. J. G. Shepler. 2,471,786, May 31.
Safety device for pneumatic tools. C. F. Boyer. 2,471,604, May 31.
Salad dressing, Dry. M. H. Kimball, C. G. Harrel, and R. O. Brown. 2,471,434, May 31.
Sanitary drinking glass cleaner. F. W. Bunch. 2,471,721, May 31.

Sapphire hollow articles, Method and apparatus for producing. R. H. Lester and M. C. Cannon. 2,471,437, May 31.
Scaffolding bracket. G. E. Stich. 2,471,459, May 31.
Screw and nut release, Automatic. H. F. Clark. 2,472,002, May 31.
Seal for floating roofs. I. E. Boberg. 2,471,404, May 31.
Seal for preheaters, Adjustable circumferential. W. D. Yerrick and J. C. Vickland. 2,471,995, May 31.
Seal, Oil. A. F. Gardner. 2,471,679, May 31.
Sealing device. N. A. Christensen. 2,471,933, May 31.
Selvage forming mechanism. C. F. Libby. 2,471,758, May 31.
Separating charged particles of different masses, Method and apparatus for. N. D. Coggeshall and M. Muskat. 2,471,935, May 31.
Separating constituents of alloys by fractional crystallization. A. Regner. 2,471,899, May 31.
Separator: *See*—
Magnetic separator.
Separator. G. O. Kimmell. 2,471,571, May 31.
Shakeout for coke charging cars. E. W. Wallace. 2,471,849, May 31.
Shaker, Salt. M. L. Adams. 2,471,507, May 31.
Sheet metal bending tool. T. J. Nicholas. 2,471,445, May 31.
Shelf. J. F. Cserulewicz. 2,472,004, May 31.
Shift mechanism, Typewriter multiple case. R. W. Sears, II. 2,471,588, May 31.
Ship's log transmission regulator. E. F. Britten, Jr. 2,471,930, May 31.
Shock absorbing mechanism, Friction. G. E. Dath. 2,471,481, May 31.
Shockproof gauge mounting. A. H. Jones. 2,471,961, May 31.
Shoe, Corn picker gathering. J. R. Parks and H. Hielen. 2,471,771, May 31.
Shoes, Machineless manufacture of. L. Milchen. 2,471,696, May 31.
Shutoff device, Automatic ignition. A. F. Pantuosco. 2,471,651, May 31.
Silver from residues containing the same, Recovery of. H. A. Liebhafsky and L. B. Bronk. 2,471,824, May 31.
Slasher, Weed. N. E. Brooke. 2,471,720, May 31.
Spindle, Bobbin. C. L. Hamm. 2,471,816, May 31.
Spinner mounting. E. W. Radtke. 2,471,895, May 31.
Splice for crankshaft bearing. M. Shnida. 2,471,982, May 31.
Splitting machine, Mica. C. Goodman. 2,471,738, May 31.
Spring and friction shock absorber, Combined. K. Williams. 2,472,035, May 31.
Sput, Barrel. L. M. Bell. 2,471,716, May 31.
Stand for tire changing, Wheel supporting. B. E. Moltz. 2,471,642, May 31.
Steering control, Automatic. A. M. MacCallum. 2,471,637, May 31.
Stitching machine, Shoe. C. N. Lestakis. 2,471,877, May 31.
Stop for helicopter blades. M. E. Gluhareff. 2,471,681, May 31.
Strainer. A. J. Granberg. 2,471,951, May 31.
Stretcher, Curtain. J. J. Dvorak. 2,471,943, May 31.
Sulfonamides, Production of. S. Pickholz and H. G. Dickenson. 2,471,772, May 31.
Support and guard for accordions. W. S. Borek. 2,471,926, May 31.
Support for lens drilling machines, Work. C. T. Grant. 2,471,871, May 31.
Surfaces of ferriferous metals for the reception of a siccative finishing coat, Method of and material for preparing. E. Snyder. 2,471,908, May 31.
Switch: *See*—
Electric switch. Thermal switch.
Multiple circuit switch. Thermostatic electric switch.
Pressure switch.
Switch and fuse, Combined. F. G. van Hoorn. 2,471,848, May 31.
Switch assembly, Resonant magnetic. H. G. Weightman. 2,471,504, May 31.
Switching arrangement, Time and thermostatically controlled. S. C. Shepard. 2,471,457, May 31.
Switching device, Electrical. W. J. D. Harrison. 2,471,568, May 31.
Systems for comparing synchronized wave signals. S. Lovel. 2,471,530, May 31.
Table: *See*—
Bed table. Folding table.
Collapsible steam table. Heated dental instrument table.
Extension leaf table.
Table reciprocating mechanism, Hydraulic. D. H. Holmes. 2,471,688, May 31.
Tank connection, Hot-water. O. E. Andrus. 2,471,475, May 31.
Tape supporting means for strand covering machines. A. C. Nystrom and W. J. Volckhausen. 2,471,973, May 31.
Teetering device. E. H. Loker. 2,471,572, May 31.
Teletypewriter system, Intercommunication. W. M. Bacon and C. R. Walker. 2,471,712, May 31.
Tensiometer, Cable. A. Boos. 2,471,999, May 31.
Terpene phenols, Preparation of. A. L. Rummelsburg. 2,471,453, May 31.
Terpene phenols, Preparation of. A. L. Rummelsburg. 2,471,455, May 31.
Tester for bearings. H. Glaser. 2,471,423, May 31.
Testing of solutions. F. J. Cahn. 2,471,661, May 31.
Thermal switch. J. D. Bolesky. 2,471,925, May 31.
Thermoplastic luggage frame. H. Freeman. 2,471,612, May 31.
Thermostat, Safety type. C. D. Branson. 2,471,514, May 31.
Thermostatic electric switch. B. J. Wilson, R. C. Machler, N. E. Polster, and O. E. R. Murray. 2,471,806, May 31.
Thionyl chloride, Making. E. F. Fricke. 2,471,946, May 31.
Time cycling device. R. H. Grant. 2,471,420, May 31.
Timer. W. L. Hunt. 2,471,873, May 31.
Toaster-tray combination. H. E. Page. 2,471,649, May 31.
Toggle operated slidable jaw wrench. F. C. Fisch. 2,471,734, May 31.
Toggle press and molding articles from granular material. M. E. Gates. 2,471,563, May 31.
Tool: *See*—
Leather roughing tool. Oil seal removing tool.
Magnetic hand pickup tool. Sheet metal bending tool.
Tool for installing hollow rivets. H. E. Wilt and G. A. Tincler. 2,471,598, May 31.
Tool for timing diesel engines, Gauge. R. Hilbert. 2,471,746, May 31.
Toolholder. D. W. Brookfield. 2,472,040, May 31.
Tool post, Turret-type. G. J. Benes. 2,471,403, May 31.
Toothbrush handle. G. A. Gibson, Jr. 2,471,680, May 31.
Toothbrush holder. G. J. Rossi and E. L. Bonalanza. 2,471,979, May 31.
Tooth powder dispenser. J. H. Pfau. 2,471,495, May 31.
Toy, Extensible figure wheeled. D. A. Campbell. 2,471,722, May 31.
Toy, Hat trick. E. L. Enochs. 2,471,676, May 31.
Toy paddle, Basketball. S. Axelrod. 2,471,511, May 31.
Trailer connection. W. E. Martin. 2,471,658, May 31.
Trailer coupling. W. Bennett. 2,471,555, May 31.
Trailer coupling. T. Hotchkiss, Sr. 2,471,689, May 31.
Trainer for aircraft personnel, Ground. J. J. Lukacs and R. O. Rippere. 2,471,966, May 31.
Transmission. M. S. Baker. 2,471,668, May 31.
Transmission, Rotary turbine type hydraulic. E. W. Tombs. 2,471,799, May 31.
Transmission system. N. H. Young, Jr. 2,471,473, May 31.
Transmitter, Hydraulic pressure. G. W. Hardy. 2,471,619, May 31.
Transmitter-receiver system. E. Labin. 2,471,436, May 31.
Transmitting energy, Process and apparatus for. A. F. Benning and F. B. Downing. 2,471,476, May 31.
Transmitting mechanism, Hermetically sealed power. F. C. Gilman. 2,472,010, May 31.
Trap: *See*—
Animal trap. Rodent trap.
Electric insect and rodent trap.
Trap. C. L. Phillips. 2,471,540, May 31.
Trap for rockets, Spacer. C. N. Hickman. 2,471,745, May 31.
Tray for hypodermic needles and the like, Sterilizing. A. J. Son. 2,472,028, May 31.
Treating barium sulfate with carbonates. J. E. Norman. 2,471,446, May 31.
Treating ouricury wax and resulting composition. E. A. Wilder. 2,471,805, May 31.
Tripod head, Camera. R. I. Nielsen. 2,471,886, May 31.
Truck body comprising removable panels. P. J. Wilson. 2,471,917, May 31.
Tube system, Indicating. H. G. Busignies. 2,471,409, May 31.
Tuyère construction for underfeed stokers. E. B. Thomas. 2,471,797, May 31.
2,4-dichlorophenoxy-acetic acid, Preparing. R. H. F. Manske. 2,471,575, May 31.
Two-part pocket case. M. Kaplan. 2,471,663, May 31.
Typewriter for writing the Chinese language. T. Yen. 2,471,807, May 31.
Universal joint. P. M. Waite. 2,471,987, May 31.
Utensils, Producing cladded metal cooking. H. D. Tietz. 2,471,663, May 31.
Valve: *See*—
Deluge valve. Pressure regulating valve.
Lavatory flush valve. Relief valve.
Mixing valve.
Pressure controlled injection valve.
Valve. K. MacDonald. 2,471,880, May 31.
Valve actuating mechanism, Hydraulic. A. Mueller. 2,471,855, May 31.
Valve and liner therefor. G. T. Downey. 2,471,041, May 31.
Valve control, Auxiliary throttle. P. L. Howland. 2,471,690, May 31.
Valve mechanism with associated turbocharger, Inlet and exhaust. K. V. Anderson. 2,471,509, May 31.
Valves, Making hollow poppet. A. T. Colwell. 2,471,937, May 31.

Valves, Making poppet. A. T. Colwell. 2,471,936, May 31.
Valves, Making poppet. E. F. Gibian and K. M. Bartlett. 2,471,946, May 31.
Variable impedance device. A. Herz. 2,471,817, May 31.
Vector solver. J. J. Reza. 2,471,450, May 31.
Vegetable beverages, Clarifying and purifying. R. T. Alba and J. S. Wallerstein. 2,471,474, May 31.
Vehicle with elevating means, Semitrailer. G. A. Fleischmann. 2,471,735, May 31.
Venetian blind. C. Adler. 2,471,710, May 31.
Ventilator system, Refrigerator. L. M. Mitchell. 2,471,971, May 31.
Vibration damping mounting. L. F. Thiry. 2,472,029, May 31.
Vise, Jack operable and supported. F. W. Coffing. 2,471,726, May 31.
Volatile materials, Recovering. E. F. Drew. 2,471,942, May 31.
Voltage regulation. J. A. Potter. 2,471,976, May 31.
Voting machine. A. N. Gustavson. 2,471,567, May 31.
Voting system or the like, Electrical. W. T. Powell. 2,471,774, May 31.
Wabbler coupling. J. M. O'Malley. 2,471,974, May 31.
Washer: *See*—
Cylinder hydraulic washer. Gas washer.
Washing machine for solid objects, Spray type. H. B. Wiswall. 2,471,506, May 31.
Water gas, Making. G. R. Steere. 2,471,791, May 31.
Wavemeter to calibrate panoramic receivers. L. F. Jaggi. 2,471,482, May 31.
Web feeding and cutting machine. H. A. Perkins. 2,471,447, May 31.
Weighing and sorting machine, Automatic. W. F. Altenpohl. 2,471,711, May 31.
Weighing apparatus, Electrical load. A. C. Ruge. 2,472,047, May 31.
Weight-operated air pump. C. Colé. 2,471,673, May 31.
Welding device, Portable. M. J. Manning and P. F. Elsen. 2,471,881, May 31.
Wetting agent. H. G. Figdor. 2,471,945, May 31.
Wheel: *See*—
Abrasive wheel.
Wheelbarrow, Foldable. J. J. Toth. 2,471,462, May 31.
Whipping machine. F. S. Nanna. 2,471,769, May 31.
Winch. H. H. Washbond and O. R. Beattie. 2,471,988, May 31.
Window, Door construction receiving slidable. R. Cadwallader. 2,471,810, May 31.
Wire conductors, Covering. J. H. Ingmanson. 2,471,752, May 31.
Wire lapping or like machine. W. J. L. Wildbore and J. M. Keenan. 2,471,469, May 31.
Wiring device. H. A. Miloche. 2,471,970, May 31.
Wood assemblies, Forming. J. A. Poichen. 2,472,023, May 31.
Workholder for piston ring heat-treatment. C. F. Jones. 2,471,754, May 31.
Wrench: *See*—
Adjustable ratchet wrench. Toggle operated slidable Crossarm lathe wrench. jaw wrench.
Power actuated wrench.
Zinc of high purity, Electrolytically producing. S. P. Lowe, G. W. Long, G. H. Kent, and K. W. Downes. 2,471,965, May 31.

CLASSIFICATION OF PATENTS

ISSUED MAY 31, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 49: 2,472,032
2— 4: 2,472,033
8: 2,471,719
42: 2,471,587
2,471,670
52: 2,471,910
128: 2,471,543
4— 148: 2,472,030
5— 100: 2,471,691
329: 2,471,977
8— 37: 2,472,032
12— 142: 2,471,696
13— 18: 2,471,531
15— 143: 2,471,680
176: 2,471,855
16— 18: 2,471,956
62: 2,471,707
18— 2.4: 2,471,559
4: 2,471,739
30: 2,471,683
2,471,813
2,471,814
55.1: 2,471,501
59: 2,471,592
2,471,752
19— 131: Re.23,117
20— 49: 2,471,685
57.5: 2,471,962
69: 2,471,634
2,471,635
21— 74: 2,472,011
105: 2,472,028
22— 58: 2,471,661
87: 2,471,964
112: 2,472,015
23— 87: 2,471,824
153: 2,471,844
230: 2,471,946
230: 2,471,861
2,471,895
24— 7: 2,471,783
109: 2,471,589
116: 2,472,026
134: 2,471,503
135: 2,471,957
137: 2,471,606
205.11: 2,471,461
206: 2,471,694
25— 60: 2,471,563
88: 2,471,731
28— 72: 2,471,554
29— 48: 2,471,403
73: 2,471,700
148.2: 2,471,643
156.7: 2,471,936
2,471,937
2,471,948
156.8: 2,471,486
30— 47: 2,471,620
114: 2,471,466
316: 2,471,720
31— 8: 2,471,702
2,471,703
32— 27: 2,471,826
33— 51: 2,471,781
76: 2,471,450
134: 2,471,644
162: 2,471,684
168: 2,471,961
181: 2,471,746
34— 99: 2,471,657
100: 2,471,405
160: 2,471,802
35— 10: 2,471,439
12: 2,471,955
36— 61: 2,471,717
40— 10.5: 2,471,430
139: 2,471,961
156: 2,471,545
41— 10: 2,471,500
14: 2,471,949
21: 2,471,576
43: 42.13: 2,471,499
57: 2,471,673
70: 2,471,546
71: 2,471,540
81.5: 2,471,748
96: 2,471,804
98: 2,471,640
45— 24: 2,471,943
46— 32: 2,471,702
104: 2,471,722
47— 61: Pl.Pt.841
Pl.Pt.842
Pl.Pt.843
Pl.Pt.844
48— 79: 2,471,792
205: 2,471,791
49— 1: 2,471,437
51— 55: 2,471,443
108: 2,471,406
2,471,706
127: 2,471,493
194: 2,471,934
232: 2,471,539
263: 2,471,727
269: 2,471,561
52— 22: 2,471,851
56— 12: 2,471,542
26: 2,471,975
27: 2,471,718
119: 2,471,771
57— 3: 2,471,973
5: 2,471,985
18: 2,471,499
129: 2,471,816
58— 38: 2,471,549
59— 80: 2,471,950
60— 13: 2,471,506
23: 2,471,924
34: 2,471,421
35.6: 2,471,743
2,471,892
36: 2,471,476
44: 2,472,014
49: 2,471,755
52: 2,471,770
54: 2,471,799
84.6: 2,471,619
62— 1: 2,471,718
2: 2,471,685
3: 2,471,448
89.6: 2,471,581
129: 2,471,692
175.5: 2,471,602
64— 7: 2,471,565
2,471,974
16: 2,471,987
30: 2,471,614
65— 57: 2,471,507
66— 23: 2,471,433
131: 2,471,876
194: 2,471,760
190: 2,471,624
80— 20: 2,471,787
42: 2,471,984
72— 16: 2,471,510
73— 9: 2,471,423
37.5: 2,471,737
88.5: 2,472,047
144: 2,471,999
181: 2,471,930
209: 2,472,036
218: 2,471,494
343: 2,471,498
398: 2,472,045
74— 2: 2,472,002
59: 2,471,596
74— 66: 2,472,010
152: 2,472,036
229: 2,471,969
230.3: 2,471,906
242.13: 2,471,773
434: 2,471,827
479: 2,471,425
503: 2,471,558
567: 2,471,654
597: 2,471,982
765: 2,471,669
774: 2,471,668
75— 22: 2,471,650
24: 2,471,562
53: 2,471,899
67: 2,472,025
109: 2,471,952
76— 89.1: 2,471,699
105: 2,471,900
77— 68: 2,471,571
2,471,940
79— 16: 2,471,698
81— 8.1: 2,471,557
15: 2,471,443
21: 2,471,726
26: 2,471,444
86: 2,471,734
91: 2,471,537
177: 2,471,593
82— 36: 2,471,613
84— 1.28: 2,471,534
376: 2,471,926
484: 2,471,960
87— 14: 2,471,566
88— 2.7: 2,471,686
16.8: 2,471,716
17: 2,471,786
20: 2,471,652
24: 2,471,800
25: 2,471,954
77: 2,471,524
89— 142: 2,471,779
91— 12: 2,471,519
92— 56: 2,471,932
95— 2: 2,471,547
66: 2,471,522
98— 43: 2,472,024
51: 2,471,971
106: 2,471,980
99— 82: 2,471,474
2,471,502
116: 2,471,867
144: 2,471,434
2,471,435
154: 2,472,017
196: 2,471,626
206: 2,471,677
2,471,678
401: 2,471,649
101— 36: 2,471,452
103— 2: 2,471,915
38: 2,471,880
87: 2,471,753
108: 2,471,653
126: 2,472,031
174: 2,471,939
238: 2,471,498
104— 96: 2,471,513
106— 10: 2,471,805
14: 2,471,638
2,471,889
33: 2,471,856
93: 2,471,632
109: 2,471,575
177: 2,471,463
218: 2,471,714
310: Re.23,119
110— 35: 2,471,983
44: 2,471,797
112— 157: 2,471,877
116— 129: 2,471,704
119— 18: 2,471,527
72: 2,471,765
121— 1: 2,471,484
35: 2,471,604
45: 2,471,688
46: 2,471,989
194: 2,471,428
122— 480: 2,471,738
123— 178: 2,471,533
125— 11: 2,471,991
24: 2,471,738
126— 33: 2,471,420
116: 2,471,832
176: 2,471,659
337: 2,471,566
343.5: 2,471,723
128— 81: 2,471,997
284: 2,471,556
337: 2,472,009
346: 2,471,864
131— 46: 2,471,656
132— 79: 2,471,441
83: 2,471,963
134— 50: 2,471,721
96: 2,471,506
136— 12: 2,471,781
179: 2,471,565
182: 2,471,660
137— 63: 2,472,049
68: 2,471,778
93: 2,471,602
139: 2,471,855
153: 2,471,605
157: 2,471,575
139— 124: 2,471,738
137: 2,471,392
247: 2,471,847
267: 2,471,809
248: 2,471,845
140— 71: 2,471,777
144— 32: 2,471,793
134: 2,471,780
263: 2,472,006
268: 2,471,642
305: 2,472,022
146— 177: 2,471,643
148— 6.16: 2,471,907
2,471,908
6.2: 2,471,909
21.5: 2,472,027
24: 2,471,803
25: 2,471,451
150— 52: 2,471,736
153— 26: 2,471,490
39: 2,471,455
154— 41: 2,471,482
2,471,580
130: 2,471,905
132: 2,471,497
133: 2,472,023
155— 5.24: 2,471,627
194: 2,471,740
158— 28: 2,471,833
36.3: 2,471,541
160— 178: 2,471,710
161— 1: 2,471,426
2,471,873
164— 84.5: 2,471,447
123: 2,471,763
167— 30: 2,471,790
169— 19: 2,472,006
31: 2,471,460
170—135.22: 2,471,904
135.72: 2,471,963
159: 2,471,896
160.52: 2,471,678
160.55: 2,471,661
170—160.57: 2,471,687
171— 95: 2,471,744
2,472,038
97: 2,471,633
2,471,993
209: 2,471,741
242: 2,471,411
322: 2,471,808
323: 2,471,591
324: 2,471,490
2,472,018
327: 2,471,967
172— 36: 2,471,812
126: 2,471,729
284: 2,471,505
173— 324: 2,471,625
363: 2,471,923
174— 50: 2,471,440
68: 2,471,970
70: 2,471,498
74: 2,471,493
175— 21: 2,471,899
183: 2,471,417
2,471,500
2,471,908
2,472,013
320: 2,471,534
366: 2,471,896
177— 329: 2,471,666
350: 2,471,902
351: 2,471,588
372: 2,471,410
380: 2,471,947
178— 4: 2,471,712
7.2: 2,471,903
44: 2,471,419
2,471,449
68: 2,471,413
71: 2,471,891
83: 2,471,473
179— 18: 2,471,413
100.41: 2,471,542
2,471,901
180— 54: 2,471,429
183— 4.5: 2,471,442
22: 2,471,724
71: 2,471,848
184— 102: 2,471,978
187— 24: 2,471,955
188— 1: 2,471,857
2: 2,471,956
79.5: 2,471,865
264: 2,471,856
1: 2,471,675
189— 11: 2,471,492
190— 54: 2,471,612
192— .056: 2,471,690
47: 2,471,795
105: 2,471,747
193— 43: 2,471,402
195— 2: 2,471,597
197— 1: 2,471,807
73: 2,471,588
113: 2,471,757
193: 2,471,617
198— 33: 2,471,479
200— 6: 2,471,841
81.07: 2,472,000
52: 2,471,651
57: 2,471,919
83: 2,471,538
91: 2,471,594
114: 2,471,848
2,471,925
116: 2,471,837
138: 2,471,806
153: 2,471,815
170: 2,471,608
201— 68: 2,471,732
202— 53: 2,471,893
204— 2: 2,471,607
52: 2,471,918
119: 2,471,965
211: 2,471,912
206— 15.1: 2,471,979
2,472,001
16: 2,472,031
56: 2,471,483
2,471,650
209— 9: 2,471,414
75: 2,471,489
121: 2,471,731
147: 2,472,038
223: 2,471,911
210— 149: 2,471,517
168: 2,471,951
185: 2,472,012
211— 90: 2,472,004
96: 2,471,944
214— 44: 2,471,849
65.4: 2,471,878
141: 2,471,639
215— 40: 2,471,565
218— 19: 2,471,598
219— 4: 2,471,478
2,471,881
2,472,041
2,472,042
2,472,044
8: 2,471,931
10: 2,472,020
13: 2,471,473
15: 2,471,693
37: 2,471,864
38: 2,471,674
2,471,972
41: 2,471,609
220— 26: 2,471,404
64: 2,471,500
222— 95: 2,471,552
127: 2,471,495
223— 100: 2,472,016
224— 45: 2,472,005
229— 39: 2,471,883
53: 2,471,701
230— 102: 2,471,796
172: 2,471,673
206: 2,471,868
259: 2,471,671
2,472,039
235— 50: 2,471,774
54: 2,471,567
84: 2,471,491
236— 15: 2,471,487
46: 2,471,863
78: 2,471,872
2,471,929
237— 2: 2,471,754
12.3: 2,471,846
2: 2,471,879
242— 46.4: 2,471,574
84.5: 2,471,723
84.8: 2,471,709
244— 2: 2,471,599
35: 2,471,768
77: 2,471,821
102: 2,471,603
116: 2,471,544
134: 2,471,894
248— 35: 2,471,536
71: 2,471,884
120: 2,471,668
123: 2,471,998
141: 2,471,512
183: 2,471,866
216: 2,471,839
235: 2,471,450
314: 2,471,825

248— 258: 2,472,029
250— 9: 2,471,416
13: 2,471,436
16: 2,472,021
17: 2,471,401
20: 2,471,418
2,471,427
27: 2,471,836
27.6: 2,471,424
33: 2,471,515
36: 2,471,535
39: 2,471,432
40: 2,471,523
2,471,705
41.9: 2,471,935
164: 2,471,409
222: 2,471,750
251— 6: 2,471,623
76: 2,471,725
113: 2,471,941
167: 2,471,880
252— 8.5: 2,471,446
49.6: 2,471,850
137: 2,471,645
354: 2,471,945
361: 2,471,571
254— 9: 2,471,901
86: 2,471,735
88: 2,471,756
187: 2,471,988
255— 72: 2,471,616
256— 14: 2,471,551

256— 48: 2,471,682
257— 4: 2,471,538
6: 2,471,995
36: 2,471,960
262.16: 2,471,582
259— 4: 2,471,667
6: 2,471,769
44: 2,471,487
260— 2.3: 2,471,496
2,471,866
23: 2,471,742
2,471,743
26: 2,471,620
28.5: 2,471,870
29.7: 2,471,456
31.6: 2,471,789
43: 2,471,631
45.95: 2,471,887
52: 2,471,453
2,471,455
67: 2,471,600
78.5: 2,471,818
80.6: 2,471,785
84.1: 2,471,938
85.3: 2,471,890
2,472,037
87.3: 2,471,756
88.5: 2,471,438
89.5: 2,471,959
163: 2,471,628
173: 2,471,664
211: 2,472,007

260— 223: 2,471,583
239.6: 2,471,772
240: 2,471,488
2,471,996
295.5: 2,471,518
314.6: 2,471,794
342: 2,471,853
397.1: 2,471,697
407: 2,471,577
408: 2,471,570
412.5: 2,471,942
428.5: Re.23,118
431: 2,471,621
2,471,622
440.6: 2,471,913
450: 2,471,914
461: 2,471,464
465.8: 2,471,767
465.9: 2,471,927
2,471,928
2,471,994
478: 2,471,520
508: 2,471,400
521: 2,471,575
543: 2,471,473
612: 2,471,829
2,471,830
619: 2,471,454
648: 2,471,831
653: 2,471,525
671: 2,471,922
677: 2,471,550

260—683.4: 2,471,986
683.5: 2,471,647
723: 2,472,054
2,472,055
263— 21: 2,471,749
26: 2,471,883
264— 7: 2,472,050
266— 2: 2,471,754
30: 2,471,776
2,471,776
267— 9: 2,471,481
2,472,035
36: 2,471,992
272— 8: 2,471,676
54: 2,471,372
56: 2,471,528
273— 26: 2,471,610
97: 2,471,511
277— 64: 2,471,859
279— 6: 2,472,040
33: 2,471,407
50: 2,471,921
118: 2,471,863
280—33.05: 2,471,555
2,471,854
33.15: 2,471,689
33.44: 2,471,521
2,471,636
36: 2,471,462
37: 2,471,553
38: 2,471,751
48: 2,471,985

281— 6: 2,471,504
283— 35: 2,471,552
284— 19: 2,471,798
285— 22: 2,471,658
30: 2,471,708
49: 2,471,476
2,471,716
143: 2,471,431
146: 2,471,739
154: 2,471,933
286— 26: 2,471,615
2,471,807
287— 54: 2,471,611
85: 2,471,672
288— 3: 2,471,679
292— 241: 2,472,034
340: 2,471,467
294— 65.3: 2,471,764
296— 28: 2,471,917
37: 2,471,558
44: 2,471,810
2,471,811
297— 8: 2,471,514
298— 26: 2,471,874
300— 21: 2,472,003
308— 150: 2,471,618
309— 33: 2,471,477
311— 21: 2,471,730
55: 2,471,782
83: 2,471,564
93: 2,471,646
312— 7: 2,471,569

312— 36: 2,471,801
86: 2,471,820
149: 2,471,829
161: 2,471,508
315— 24: 2,471,530
27: 2,471,819
144: 2,471,641
194: 2,471,826
318— 30: 2,471,422
31: 2,472,046
33: 2,471,843
39: 2,471,920
246: 2,472,048
314: 2,471,916
478: 2,471,840
488: 2,471,637
321— 37: 2,471,978
323— 4: 2,472,043
7: 2,471,822
2,471,823
89: 2,471,817
332— 9: 2,471,535
343— 11: 2,471,516
13: 2,471,408
16: 2,471,888
18: 2,471,828
102: 2,471,470
110: 2,471,648
113: 2,471,412
346— 31: 2,472,019

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,471,438:	260—88.5	2,471,512:	248—141	2,471,647:	260—683.5	2,471,796:	230—162	2,471,911:	209—223	2,471,989:	121—46
2,471,448:	62—3	2,471,530:	315—24	2,471,650:	206—66	2,471,805:	106—10	2,471,914:	260—450	2,472,006:	144—263
2,471,463:	106—177	2,471,554:	26—72	2,471,673:	230—172	2,471,826:	315—194	2,471,916:	318—314	2,472,009:	128—337
2,471,470:	343—102	2,471,568:	74—503	2,471,704:	116—129	2,471,839:	248—216	2,471,920:	318—39	2,472,013:	175—183
2,471,473:	178—83	2,471,574	242—46.4	2,471,706:	61—105	2,471,840:	318—473	2,471,925:	260—114	2,472,019:	346—31
2,471,477:	309—33	2,471,588:	197—73	2,471,725:	261—76	2,471,855:	15—176	2,471,930:	73—181	2,472,024:	98—43
2,471,484:	121—1	2,471,600:	260—67	2,471,742:	260—33	2,471,862:	236—46	2,471,932:	92—56	2,472,036:	74—152
2,471,489:	209—73	2,471,609:	219—41	2,471,743:	260—23	2,471,866:	260—2.3	2,471,938:	260—84.1	2,472,037:	260—85.3
2,471,496:	260—2.3	2,471,610:	273—26	2,471,750:	250—222	2,471,883:	229—39	2,471,945:	252—354	2,472,040:	279—6
2,471,497:	154—132	2,471,612:	190—54	2,471,766:	260—87.3	2,471,887:	260—45.95	2,471,949:	41—14	2,472,045:	73—398
2,471,499:	43—42.13	2,471,629:	260—26	2,471,777:	140—71	2,471,888:	343—16	2,471,957:	24—135	2,472,047.	73—88.5
2,471,500:	220—64	2,471,641:	315—144	2,471,784:	237—2	2,471,893:	202—53	2,471,974:	64—7	2,472,048:	318—246
2,471,510:	72—16	2,471,646:	311—93	2,471,785:	260—80.5	2,471,904:	170—135.22	2,471,976:	321—37		

Classification of Designs

D 1— 2: Des. 154,000
Des. 154,012
D 2— 3: Des. 153,939
Des. 153,991
D 3—10: Des. 153,915
25: Des. 153,970
36: Des. 153,958
Des. 153,982
Des. 153,904
Des. 154,010
D 7— 4: Des. 154,007
D 9— 2: Des. 153,974
D14— 3: Des. 153,931
Des. 153,935
Des. 153,936
Des. 153,953
Des. 153,982

D15— 1: Des. 153,932
D17— 7: Des. 153,960
D18— 2: Des. 153,954
D21— 6: Des. 153,997
D22— 3: Des. 153,988
D26— 1: Des. 153,961
5: Des. 153,967
14: Des. 153,917
Des. 153,927
Des. 153,928
D29— 1: Des. 153,966
D31— 4: Des. 153,980
D33— 1: Des. 154,009
7: Des. 153,953
8: Des. 154,008
16: Des. 153,957
19: Des. 153,933

D34— 2: Des. 153,979
Des. 153,990
4: Des. 153,963
5: Des. 153,943
Des. 153,995
Des. 154,011
13: Des. 153,973
15: Des. 153,929
Des. 153,978
D35— 3: Des. 153,919
D44— 1: Des. 153,968
10: Des. 153,940
D45— 4: Des. 153,924
10: Des. 153,984
Des. 153,986
D48—24: Des. 153,987
32: Des. 153,942

D48—32: Des. 153,969
Des. 153,971
Des. 153,972
D49— 1: Des. 153,913
Des. 153,920
Des. 153,921
Des. 153,923
Des. 153,985
6: Des. 153,926
Des. 153,993
D52— 3: Des. 153,975
D54—12: Des. 153,964
Des. 153,965
Des. 154,002
Des. 154,003
Des. 154,004
Des. 154,005

D54—12: Des. 154,006
13: Des. 153,959
Des. 154,001
D57— 1: Des. 153,955
D58—13: Des. 153,916
26: Des. 153,912
Des. 153,945
Des. 153,946
Des. 153,947
Des. 153,948
Des. 153,949
Des. 153,950
Des. 153,951
Des. 153,956
D67— 4: Des. 153,941
D68— 1: Des. 153,963
D71— 1: Des. 153,925

D80— 2: Des. 153,961
5: Des. 153,996
D81— 4: Des. 153,976
Des. 153,977
10: Des. 153,992
D83— 1: Des. 153,922
Des. 153,934
8: Des. 153,937
D85— 2: Des. 153,944
Des. 153,962
D86—10: Des. 153,918
Des. 153,938
Des. 153,999
D87— 3: Des. 153,980
5: Des. 153,914
D92— 1: Des. 153,998

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Contents

	Page
Issue of June 7, 1949	2
Patents Expiring	2
Applications Under Examination	3
Decisions of the U. S. Courts	
In re Cremer et al.	5
Lever Brothers Company v. Geo. A. Hormel & Company	9
Patent Suits	11
Trade-Mark Suits	11
Notices	
Restoration of Patent Rights in Japan	12
Disclaimers	12
Interference Notices	12
Cancellation Notice	12
Adjudicated Patents	12
Register of Patents Available for Licensing or Sale	13
Trade-Marks	
Published (272 Applications)	17
Registrations Granted	51
Registrations Renewed	69
Registrations Canceled	73
Registrations Amended, Surrendered, Disclaimed, Corrected, etc.	74
Registrations—New Certificates	74
Registrations Republished (320 Registrations)	74
Plant Patents	111
Patents Granted	112
Designs	293

June 7, 1949

Trade-Marks	51	No. 442,822	to No. 442,872,	inclusive
T. M. (Act of 1946)	343	No. 510,477	to No. 510,819,	inclusive
T. M. Renewals	98			
Plant Patents	2	No. 845	to No. 846,	inclusive
Patents	725	No. 2,472,057	to No. 2,472,781,	inclusive
Designs	77	No. 154,013	to No. 154,089,	inclusive
Total	1,296			

Patents expiring: Patent Numbers 1,861,432 to 1,862,517, inclusive, issued June 7, 1932, expire June 7, 1949

Condition of Applications Under Examination at Close of Business May 20, 1949

Total number of patent applications awaiting action, 147,132. Date of oldest new application, June 25, 1947; date of oldest amended application, Nov. 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	4-4-46	7-28-47	2874
2. BEERMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	2-16-46	8-6-47	2726
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	10-23-46	10-11-46	744
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Mining, Quarrying, and Ice Harvesting.	11-26-47	7-10-47	3289
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	3-15-46	9-26-47	1422
6. SURLE, H., Carbon Chemistry (part)	5-28-46	6-10-46	1907
7. HANLIN, GEORGE, Optics; Photographic Apparatus	5-30-46	6-3-46	1470
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	5-1-47	4-26-47	4075
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid Current Motors	2-5-46	7-10-47	2063
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters Tuners); Music; Modulators; Piezo-electric Crystals.	5-7-46	6-17-46	1304
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	5-1-46	10-4-47	1986
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	7-22-46	6-14-47	1987
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	8-6-47	9-9-47	2078
14. FREEHOF, H. B., Metal Working (Bending; Sheet Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	8-14-46	8-13-46	1251
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	8-31-46	1-2-46	1764
16. LOVEWELL, N. N., Television; Telephony	9-1-46	9-4-46	1562
17. LEIGHEY, R. A., (Acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	11-26-47	1-4-47	2207
18. KURZ, J. A., Motors, Expansible Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	4-19-45	9-20-47	3420
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	5-28-46	1-2-46	1649
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	4-1-46	8-26-47	1976
21. MADER, R. C., Textiles	4-10-46	2-25-46	1328
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	2-26-46	9-5-47	1479
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-23-46	7-15-47	1139
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	5-6-46	5-3-46	2340
25. BLAKELY, O. F., Classifying Solids; Centrifugal Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	5-20-46	12-9-47	1631
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	5-21-46	1-30-46	1086
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus) Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	12-18-47	6-25-47	3265
28. BRAUNER, R. H., Internal Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	10-27-47	7-14-47	1777
29. HABECKER, LEONE B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	9-18-47	9-4-47	3308
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating; Heating Systems; Heat Exchange (part); Illuminating Burners.	11-1-45	11-2-46	627
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	9-26-46	9-27-46	1930
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	12-13-47	9-15-47	1840
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	9-9-47	8-26-47	3720
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	5-17-46	2-12-46	1261
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	2-25-46	9-5-47	3586
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	5-4-47	6-6-47	1992
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	5-26-46	9-2-46	1322
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	6-10-46	4-17-46	1671
39. WHITNEY, F. I., Fluid Pressure Regulators; Valves; Water Distribution	7-20-46	8-9-47	3045
40. DRUMMOND, E. J., Receptacles (part); Packages	9-2-46	9-11-47	3210
41. GURLEY, E. B., Check Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	6-7-46	8-19-47	2500
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	10-16-46	10-9-46	949
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	9-9-46	5-26-46	1138
44. HARVEY, L. F., Refrigeration	2-9-46	6-30-47	946
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	5-26-46	9-15-47	2677
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	3-16-46	5-9-47	1838

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 147,132. Date of oldest new application, June 25, 1947; date of oldest amended application, Nov. 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	8-25-48	8-10-48	1978
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	8-30-48	11-12-47	1485
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smooth ing; Wells; Earth Boring.	1-2-48	9-4-47	2342
50. LEVIN, SAMUEL, Synthetic Resins	10-15-48	6-18-48	1844
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	8-26-48	7-1-48	1437
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	5-19-48	8-1-47	3642
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	4-15-48	7-31-47	2188
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications	8-31-48	9-25-47	1390
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	6-21-48	2-13-48	1660
56. COCKERILL S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	5-18-48	8-25-48	1967
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	8-5-48	5-3-47	3390
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	6-25-47	10-20-47	1722
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	5-24-48	2-24-48	1490
60. BAXTER, H. M., (Acting), Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	5-18-48	5-7-48	1101
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	6-27-47	1-8-47	3666
62. LOWE, D. B., (Acting), Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors.	8-14-48	4-14-48	1497
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	5-6-48	12-17-47	2140
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	10-25-48	10-25-48	1788
65. McDERMOTT, F. P., Batteries; Electrical Connectors, Conduits, Insulators and Connectors; Illumination	8-26-48	3-6-48	2287
66. LISANN, L., Geometrical Instruments	7-16-48	11-16-46	1940
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	8-20-48	12-2-47	1863
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	9-24-48	7-1-48	1438
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	4-19-48	8-7-47	2182
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	6-26-48	2-11-48	979
	8-11-47	12-6-48	6885
DEMONS: BREHM, G. L.			

Total number of trade-mark applications awaiting action (including renewals and republications), 30,237. Date of oldest new application, Mar. 1, 1948; date of oldest amended application, May 26, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	4-16-48	10-1-48	4106
2. KASCHUB, H. E., Classes 2, 36, 46	3-1-48	8-2-48	5107
3. SUMMERS, G. S., Classes 21, 23, 26	3-16-48	11-15-48	4284
4. BARR, E., Classes 3, 7, 30, 40, 41, 42, 43	8-6-48	8-26-48	4204
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	4-5-48	8-17-48	3737
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	4-27-48	7-24-48	3700
7. KEY8, O. M., Classes 16, 19, 55	4-10-48	5-26-48	2060
8. OEDIMAN, H. W. {Renewals / Republications} All Classes	3-30-49	4-16-49	214
	10-16-48	3-18-49	2825

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE CREMER ET AL.

No. 5584. Decided March 7, 1949

[173 F.2d 376; 81 USPQ 160]

1. PATENTABILITY—INVENTION—CHANGE IN OPERATION.

Held that having the teaching of biasing to the "good" position there is no invention in appellants' change to bias to the "bad" position.

2. APPEAL TO COURT OF CUSTOMS AND PATENT APPEALS—REASONS OF APPEAL—ABANDONMENT.

Where a reason of appeal is in good and sufficient form, but it is not discussed in the brief of appellant, *Held* that the rejection of the claim must be sustained.

3. PATENTABILITY—PARTICULAR SUBJECT MATTER—METHOD AND APPARATUS FOR TESTING RUBBER ARTICLES.

Certain claims for a method and apparatus for testing a body made of insulating material *Held* properly rejected on the art of record.

APPEAL from the Patent Office. Serial No. 469,436.

AFFIRMED.

Asher Blum (*Ben Cohen* of counsel) for Cremer et al.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

GARRETT, *C. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming that of the Primary Examiner rejecting six claims numbered respectively 1, 10, 13, 18, 19, and 25, embraced in appellants' application for patent, Serial No. 469,436, for both a method and an apparatus for testing rubber articles and other articles made of insulating material, such as rubber sheath prophylactics, to ascertain whether such articles have minute holes too small to be seen.

Ten claims stand allowed, all being apparatus claims. Of the appealed claims only claim 10 is directed to method.

Claims 1, 10, 13, and 25 were grouped by the Board as relating to testing and classifying, or sorting, the rubber or like articles, and claims 18 and 19 grouped as relating to the mechanism used at what is referred to as the loading station. We here reproduce claims 1, 10, and 18:

1. Mechanism for testing a body which is made of insulating material, said mechanism including an electrical testing station and also including a succeeding classifying station, said mechanism also including conveyor means for moving said body to said electrical testing station and then to said classifying station, said classifying station having movable classifying means, said classifying means being movable to respective "bad" and "good" positions which correspond respectively to the location of respective bad and good objects at said preceding testing station, said classifying means being biased to the "bad" position, electro-mechanical means having a normally open circuit, said electro-mechanical means being connected to said classifying means and moving said classifying means to the "good" position only when said circuit is closed, means for subjecting spaced parts of said body to a difference in potential at said testing station in order to pass through said body a testing current which is inversely proportional to the resistance of said body, said circuit having circuit-closing means which are biased to circuit-opening position, electrical actuating means for moving said circuit-closing means to circuit-closing position when said electrical actuating means are energized, said electrical actuating means having a normally open circuit, control means operated and controlled by said testing current to close the circuit of said electrical actuating means only when said testing current is less than a predetermined minimum, said mechanism also having means for removing said body from said conveyor means, at a station which succeeds said classifying station.

10. A method of testing and classifying an object which is made of insulating material, which consists in transporting said object on a conveyor through a predetermined path which includes a testing station and a succeeding classifying station which has movable classifying means which are biased to the "bad" position and which are movable to a "good" position, which consists in subjecting said object at said testing station to a leakage current test and controlling the respective position of said classifying means by said leakage current to move said classifying means to the "good" position only if the leakage current is less than a predetermined minimum, and removing said objects from said conveyor in separate batches according to said classification of said objects, said objects being thus removed after said leakage current test has been wholly completed.

18. Mechanism for testing objects made of insulating material, comprising an endless conveyor, means adapted to guide and to actuate said conveyor in a predetermined path, spaced carriers tiltably connected to said conveyor, said path including a loading station, automatic movable means located anterior said loading station and constructed and operative to tilt selected carriers in one lateral direction relative to said conveyor and to tilt other selected carriers in the opposite lateral direction.

Claim 19, in addition to the elements in claim 18, specifies "automatic means located after said loading station to bring said carriers into substantial parallel relation."

The following patents were cited as references: Hazard, 1,254,690, January 29, 1918; Barton, 1,983,892, December 11, 1934; Purdy, 2,016,455, October 8, 1935; Braden, 2,084,186, June 15, 1937; Youngs et al., 2,244,591, June 3, 1941.

Of these the patent to Youngs et al. was regarded as the principal reference.

The following descriptive matter is taken from the decision of the Examiner:

The subject matter of the rejected claims is an apparatus for testing and assorting rubber articles to ascertain the presence of imperfections such as minute perforations. The article in the form of a rubber tube is carried on a mandrel formed of electrically conducting material tiltably mounted on an endless conveyor and electrically insulated therefrom. During the movement of the conveyor the articles are immersed in a conducting liquid and while so immersed they are subjected to an electric potential impressed between the conducting mandrel and the conducting liquid. The potential is impressed by brushes which contact an exposed portion of the mandrel extending above the article above the surface of the liquid. If the article is free from imperfections, such as minute perforations, this impressed potential will remain on the mandrel as a negative electrostatic charge of a definite potential.

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After passing these brushes the exposed portion of the mandrel is brought into contact with a brush which is electrically connected to the grid of a vacuum tube which is normally maintained nonconductive by the grid having periodically impressed thereon a negative bias. If the rubber article is defective, the negative potential applied to the mandrel will have leaked off to the conducting liquid by the time that the mandrel is brought into contact with the brush in circuit with the grid. Thus the negative charge on the grid is decreased to an extent to render the vacuum tube conductive. The plate of this tube is connected through a resistance to a circuit including a condenser and the grid of another electronic tube. While latter tube is normally conducting when the first tube is maintained nonconducting. However if by reason of the passage of a defective article the first tube is rendered conducting, the drop in voltage across the resistance in circuit with the plate of the first tube causes an increase of the negative bias of the second tube so that the latter is rendered nonconducting. The circuit of the second tube includes a relay which controls the operation of an electromagnet operating a deflector, normally biased by a spring into position to engage the mandrels and to tilt them on a horizontal axis into position indicating the article as defective. If the article is good, and the first tube thus rendered nonconductive, the second tube will be rendered conductive and will close its relay to energize the operating magnet to set the deflector into position to tilt the mandrel to an opposite position on the conveyor so as to indicate that the article is good. Thus the articles when removed from the conveyor at a succeeding station are separated into the two groups, one group composing the perfect articles and the other group composing the imperfect articles.

It is pointed out by the Board that the Youngs et al. patent "shows a similar organization for exactly the same purpose" as that of appellants here involved, and a description of the patent is given which we reproduce, omitting the numerals as indicated by asterisks and making some insertions in brackets:

* * * A mandrel with the article to be tested [is] passed successively to [an] electrode * * * grounding any charge, then to [a second] electrode * * * impressing a negative charge, and finally to [a third] electrode * * *, connected to the grid of [a] vacuum tube * * *. A negative charge "blocks" the tube. A failure of the insulation due to imperfection of the rubber article removes the charge from the grid causing current to flow through the tube. This actuates [a] solenoid * * * which in turn displaces a switch pin on the timing disk * * *. At an appropriate point in the travel of the conveyor the switch pin closes a circuit which opens air valves which in turn remove the defective article from the mandrel. The "good" articles are then removed at a later point on the conveyor. It will be noted that the Youngs et al. mechanism is biased toward the "good" or insulating articles rather than the "bad" or conducting articles. The claims under discussion are said to distinguish from Youngs et al. primarily in this "bias" and in the means required to accomplish this result, and this distinction is urged as of patentable significance.

The description of the Youngs et al. patent, given by the Examiner in his statement following the appeal to the Board, goes into greater detail but it is thought that all the essential features are embraced in the Board's description as quoted.

Except for a special reference to claim 10, the Board discussed claims 1, 10, 13, and 25 as a group (group 1) and claims 18 and 19 as group 2. The Examiner, however, discussed each claim of group 1 separately and rejected them as follows: Claim 1 on Youngs et al. (referring to Braden upon a question of amplification hereinafter discussed); claim 10, first, as drawn to the function of the apparatus and, second, as not patentably distinguishable from either Youngs et al. or Purdy "especially in view of Hazard"; claim 13 as unpatentable over Youngs et al. in view of Braden; and claim 25 on Youngs et al. in view of Braden. He considered claims 18 and 19, constituting the second group, together and rejected them, first, as being incomplete and functional and, second, as "not patentably distinguished from Barton."

The Board disapproved the rejection of claims 18 and 19 on the ground of incompleteness and functionality. So, that question is not before us. The rejection on Barton was affirmed.

In the course of his decision the Examiner analyzed the several claims and read claims 1 and 13 upon the Youngs et al. disclosure. His analysis of claim 1 reads as follows:

1. Mechanism for testing a body which is made of insulating material,

(a) said mechanism including an electrical testing station

(b) and also including a succeeding classifying station,

(c) said mechanism also including conveyor means for moving said body to said electrical testing station and then to said classifying station,

(d) said classifying station having movable classifying means, said classifying means being movable to respective "bad" and "good" positions which correspond respectively to the location of respective bad and good objects at said preceding testing station, said classifying means being biased to the "bad" position,

(e) electro-mechanical means having a normally open circuit, said electro-mechanical means being connected to said classifying means and moving said classifying means to the "good" position only when said circuit is closed,

(f) means for subjecting spaced parts of said body to a difference in potential at said testing station in order to pass through said body a testing current which is inversely proportional to the resistance of said body,

(g) said circuit having circuit-closing means which are biased to circuit-opening position,

(h) electrical actuating means for moving said circuit-closing means to circuit-closing position when said electrical actuating means are energized,

(i) said electrical actuating means having a normally open circuit,

(j) control means operated and controlled by said testing current to close the circuit of said electrical actuating means only when said testing current is less than a predetermined minimum,

(k) said mechanism also having means for removing said body from said conveyor means, at a station which succeeds said classifying station.

It is not deemed necessary to set forth in detail the text of the Examiner's application of claim 1 to the Youngs et al. disclosure because it is not disputed on behalf of appellants that some features of the claim are met by the patent disclosures. Except for purposes of explanation or clarification, we need consider only the challenged features.

The brief for appellants in its analysis of claim 1, although, in most instances, using different phraseology, follows generally the order followed by the Examiner and points out the particular features which, it is claimed, are not disclosed by the prior art.

As may be observed from the Examiner's analysis, claim 1 requires a testing station, a classifying station, and a station where the articles, after being tested and classified, are removed from the conveyor, the last requirement being the final clause of the claim.

The Examiner found the testing station in the Youngs et al. patent to be at a tank which, with its accompanying features, is fully described in the specification. The classifying station he found to be shown in a sub-combination, made up of numerous elements, identified in Figure 1 of the Youngs et al. drawings by the term "Rejection." Each material feature of the sub-combination also is described in the specification. The removal station required, as stated in the Examiner's analysis—(*k*), supra—was found by him to be shown in the Youngs et al. patent by the arrangement, or sub-combination, shown in Figure 1 of the drawings, marked "Visual inspection and take off station." In the patent, the classifying station designated by the Examiner succeeds the testing station and the removal station succeeds the classifying station. All three appear at different points passed by the conveyor (which consists of an endless chain or the like) and are separate from each other.

Appellants have not challenged the correctness of the Examiner's finding as to the three elements designated by the Examiner as (*a*), (*b*), and (*k*), supra, but the brief on their behalf asserts (1) "No reference shows a classifying station, as distinguished from an ejection station," and (2) "No reference shows a classifier, as distinguished from an ejector."

A careful examination of the appealed claims reveals that neither the term "ejector" nor the phrase "ejection station" is used in any one of them, nor have we found those terms in the specification. The brief for appellants, however, states that the final element of claim 1, supra, reading "* * * means for removing said body from said conveyor means, at a station which succeeds said classifying station," refers to certain features shown in a figure of appellants' drawings and defined in their specification as "strippers." It is taught that by means of the strippers (the stripping mechanism as a whole is somewhat complicated) the articles which have been tested and classified are stripped from their forms, the good ones being deposited in one bin and the defective ones in another bin. It is assumed that the stripper mechanism by which the articles are removed from the conveyor is what appellants had in mind when, in their brief, they referred to "ejector" and "ejection station." We find nothing else in their specification to which the terms would seem to relate. The stripper mechanism succeeds the classifying station and is separate from it.

As has been stated, the Examiner held removal means to be shown at Youngs et al's "take off station." Concerning the removal means he held (and appellants do not challenge the correctness of the holding):

* * * Whether this means is mechanical, as that of applicants, or manual, as that of Youngs et al., is a matter of indifference from the standpoint of patentability, in view of such authorities as *In re Gill*, 1930 C. D. 91; also *Jones & General Fireproofing Co.*, 254 F. 97; 1919 C. D. 241.

It is noted that the specification of the Youngs et al. patent does not mention the "take off station" but it does recite that "the invention provides for the removal or segregation of defective articles from the system and those articles which are not imperfect by entirely automatic means free from any element of human error." It further discloses that the good articles remain on the mandrels until after they have passed the jets hereinbefore referred to where the imperfect articles were blown off their mandrels, and "may then be removed from their mandrels, by any of several customary conventional methods such as, for example, angularly disposed revolving brushes, for packaging and shipment to the trade."

It is clear from the location of the part identified in the drawing as the "Visual inspection and take off station" that it represents the point where Youngs et al. remove the good articles from the mandrels and from the conveyor. There is no limitation in the claim which requires that both the bad and good articles be removed from the conveyor at the same point.

The "take off station" shown by Youngs et al., like the stripper system of appellants, succeeds the classifying station and is separate from it. The particular features of the stripper system are hereinafter considered in connection with claims 18 and 19.

We think it unnecessary to dwell at greater length upon the allegation that no reference discloses a classifier as distinguished from an ejector, nor a classifying station as distinguished from an ejection station, because we do not find any contention in either appellants' reasons of appeal or in their brief that such a condition of itself would render any one of the appealed claims patentable. We assume the discussion was advanced in the brief because the alleged situation was thought to have some relation to the matter upon which appellants place most emphasis.

That matter relates to the requirement (as set forth in claim 1, supra, and specified in paragraphs (*d*) and (*e*), supra, of the Examiner's analysis of that claim) for a movable classifier, or, to be more exact, "movable classifying means"—that is, movable to respective "bad" and "good" positions which correspond to the location of respective bad and good rubber articles at the preceding testing station. It will be observed that no particular structure entering into the movable classifier is set forth in the claim. So, the claim is satisfied in this respect by any classifying means movable as defined. The claim also defines the classification means as being biased to the "bad" position.

The Youngs et al. patent describes in its specification and discloses in drawings a sub-combination composed of a number of elements which, as has been stated herein, the Examiner held constituted the classifying station. One of the elements composing it is a valve identified in the drawing by the numeral 44. The valve had a movable part with which three jets are opened so that compressed air is driven through the jets whereby the rubber articles found defective at the preceding testing station are blown off the mandrels as the latter, carried by the conveyor, pass the jets. The Examiner held the valve so identified constituted the classifier, or classification means, of the Youngs et al. patent, pointing out that when opened the valve is moved to a "bad" position or (when not opened) remains in "good" position in accordance with the test made at the preceding testing station—that is, at the tank station.

[1] As for the biasing of the classifying means, appellants' device biases such means to the "bad" position, while in the Youngs et al. patent the valve is biased to the "good" position. The Examiner considered appellants' reversal of the patent plan a variation "which may be made without exercise of

invention." The Board expressed the view that the matter of bias in favor of the "bad" articles "is a matter of choice rather than invention."

Another requirement of claim 1 is that the classifier be connected with electro-mechanical means, having a normally open circuit, by which means the classifier is moved to the "good" position only when the circuit is closed. The Youngs et al. patent discloses a solenoid connected with the valve which the Examiner held to be the classifier. The solenoid is described by the Examiner (and the correctness of his description does not seem to be challenged by appellants) as having a "normal open circuit" at a designated switch and as being connected to the valve (that is, to the classifier) "to move it to the 'bad' position when the circuit is closed." That is, as we understand it, when the circuit is open, as is normal, the valve or classifier is in "good" position and, when the circuit is closed, the valve is moved to "bad" position. The Examiner said of the recital of electro-mechanical means, etc. that it "is merely repeating the statement of the reversal of operations as above noted in regard to element (*d*)."

In connection with the discussion of the requirement of claim 1 (see paragraph (*f*) of the Examiner's analysis, supra) for control means operated and controlled by the testing current to close the circuit of certain electrical actuating means only when the testing current is less than a predetermined minimum (a feature named also in claims 13 and 25) the Examiner said (identifying numerals being deleted):

> • • • element (*f*) is [a] relay • • • which is operated and controlled by the testing current, or the charge remaining on the mandrel which is impressed on the grid of [a] tube • • •; and closes the circuit of [a] solenoid • • • only if the testing current which passes thru the article is more than a predetermined minimum i. e. if there is a certain amount of leakage in the article. This is the same reversal as above stated, that is closing the reject circuit if the article tests bad instead of closing the discharge circuit if the article tests good. This reversal involves only another stage of amplification, which Youngs et al. state may be done.

In a "Reply to Brief," filed before the Board, the Examiner elaborated upon the disclosure relative to vacuum tube amplification by the Youngs et al. patent and upon the question of biasing, citing the Braden patent as authority for the assertion that an additional amplification such as Youngs et al., taught in their specification to be feasible if desired, "is a well known characteristic of vacuum tube amplifiers." As to this phase of the case, the Board said:

> We are of the opinion that the amplification suggested by Youngs et al. does not necessarily require reversal, but that taken with Braden, the Youngs et al. suggestion is sufficient to teach a means of accomplishing reversal.

All the findings of the Examiner with respect to claim 1 so far recited herein, which seem to us to be in anywise material, were either expressly or impliedly approved by the Board, and we are not convinced that it erred in so doing.

Our conclusion respecting appellants' allegations concerning "ejector" and "ejector stations" has been stated and need not be repeated. The matter of the Youngs et al. patent disclosing a testing station is not in dispute. We concur in the view that the subcombination shown by Youngs et al., under the designation "Rejector," constitutes a classifying station; that the valve identified by the numeral 44 with its attendant features constitutes a movable classifier, or, using the exact words of the claim, "movable classifying means"; that the solenoid shown by Youngs et al. meets the requirement for electro-mechanical means having a normally open circuit and connected to the classifier; that the control means operated and controlled by the testing current is taught by Youngs et al. in combination with Braden; and that the means for removing the articles from the conveyor at a station succeeding the classifying station is met by the take off station disclosed by Youngs et al.

With respect to the biasing feature, we agree that having the teaching of biasing to the "good" position there is no invention in appellants' change to bias to the "bad" position.

Claim 13, rejected upon Youngs et al. in view of Braden, also was analyzed minutely by the Examiner and applied element by element to the Youngs et al. disclosure. After applying it, the Examiner said:

> It is thus seen that claim 13 is readable on the disclosure of Youngs et al., including the use of an additional amplifying stage, except for the specific circuit which includes the resistor and condenser in the plate circuit of the control tube. However this device is shown to be well known in the electronic tube amplifying art, as shown by Braden, and may be substituted for the amplifying circuit as an expedient known to the worker in this art.

The Board held the particular arrangement of amplifying tubes described in the claim to be "within the skill of the art as exemplified by Braden," and declared that "Proper poling or biasing of the first [the control] tube, or the use of a phase invertor appears to be a matter of choice."

We do not find any satisfactory answer to the foregoing quoted holdings of the tribunals of the Patent Office although such holdings are expressly challenged in the reasons of appeal. All that is said in that portion of the brief for appellants spectfic to claim 13 is:

> Amongst other distinctions which need not be repeated, the last clause calls for a classifier which is operated by the main electronic tube. Neither Youngs nor Braden suggest a classifier.

The reference obviously does not refer to the circuit of the control electronic tube but to the main electronic tube.

The last clause of claim 13 reads:

> • • • classifying means operated by the current which passes through said main electronic tube only when said current exceeds a predetermined minimum.

So far as a classifier not being suggested by Youngs et al. nor by Braden is concerned, we do not regard that as being a matter of any moment here. The valve of Youngs et al. hereinbefore described constitutes a classifier, and appellants have not questioned the correctness of the Examiner's finding that the element under discussion is answered by the solenoid connected with the valve.

The Board approved the rejection by the Examiner of claims 18 and 19, the second group, upon the patent to Barton, which discloses an apparatus for testing and assorting eggs according to their weight.

It said further that, "Interpreted as appellants suggest [i. e., tilting the successive mandrels to opposite sides of the conveyor to an angle convenient for loading], we see no material difference in claims 18 and 19 over the mechanism described by Youngs et al. as the 'loading station'," and rejected them upon that reference also.

It is argued in the brief for appellants (*a*) that the claims refer to an automatic selector or classifier and cannot be interpreted to read upon Youngs et al., and (*b*) that Barton does not show any tilting means to tilt one group in one direction and another group in the opposite direction.

From an inspection of one of the drawings of Youngs et al., it is clearly discernible that the mandrels, upon which the rubber articles are fitted for testing (shown in what is designated in the drawing as "Loading Station"), are tilted in different directions and at different angles. This may not be done automatically, but the tilting shown by Barton is evidently automatic.

We are not convinced of error in the Board's holding as to claims 18 and 19 being rejectable on Barton.

Claim 25 is very similar to claim 1, except that it does not require means for removing the articles from the conveyor after their classification, and is obviously rejectable.

Claim 10, the only method claim, was grouped by the Board with apparatus claims 1, 13, and 25 for discussion and action and also was discussed separately in connection with its rejection on Purdy in view of Hazard.

[2] The Examiner rejected the claim, first, "as drawn to the function of [the] apparatus." What the Board thought of this ground of rejection is not disclosed in its decision. The assumption, under the well settled rule is that it agreed with the Examiner. See *In re Boyce*, 32 CCPA (Patents) 718, 144 F.2d 896, 63 USPQ 80, 1944 C. D. 609, 568 O. G. 568, to which the Board specifically directed attention in the concluding paragraph of its decision in this case, as it is happily accustomed to do in all cases appealed from it to this court.

In their reason of appeal 21 appellants allege that the Board "erred in failing to reverse the ruling of the Examiner, which held that claim 10 was drawn to the function of an apparatus." This assignment of error is in good and sufficient form, but it is not discussed—not even referred to directly or indirectly—in the brief for appellants before us, and the Solicitor for the Patent Office makes the point that this allegation of error must be assumed to be abandoned here.

The situation presented is practically on all fours with that which has confronted us in a number of cases, a comparatively recent one being that of *In re Krasnow et al.*, 35 CCPA (Patents) 939, 166 F.2d 196, 76 USPQ 567, 609 O. G. 692, where we said (at page 942):

> • • • [1] While in their notice of appeal the proper reasons of appeal were assigned to the Board's holding in respect to those patents, those reasons may not be relied upon because they were not discussed in the brief and are assumed to be abandoned here. *In re McCabe*, 24 CCPA (Patents) 1224, 90 F.2d 111, 33 USPQ 539.

Under the well established rule the rejection of the claim as being drawn to no more than the function of the apparatus must be sustained.

The claim was rejected also by the Examiner upon Youngs et al. and upon Purdy in view of Hazard, and those rejections were expressly approved by the Board but it is unnecessary for us to review them in view of our conclusion upon the functional question.

[3] Appellants' invention—they evidently have an invention as evidenced by allowed claims—is in a technical mechanical field. The rejected claims obviously have received the careful study of experts in the Patent Office. From our study of them, we are not convinced that their rejection was erroneous.

The decision of the Board is, therefore, affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

LEVER BROTHERS COMPANY *v.* GEO. A. HORMEL & COMPANY

No. 5547. Decided March 1, 1945

[— F.2d —; — USPQ —]

1. TRADE-MARKS — OPPOSITION — WEIGHT GIVEN PRIOR DECISION.

   Held that the citation of prior decisions is of little value in an opposition proceeding for the reason that each case must rest upon its own distinctive facts.

2. SAME—CONFUSION—CRITERIA.

   Held that specific differences in goods which are of the same general descriptive character should be considered together with differences in marks in fairly determining the question of likelihood of confusion.

3. SAME—SAME—"SPRY" AND "SPIC."

   Since the notations here involved are not spelled alike, do not sound alike and do not look alike, *Held* that "Spry" and "Spic" are not confusingly similar.

4. SAME—SAME—SAME.

   Since the notations here involved are not spelled alike, do not sound alike and do not look alike, *Held* that appellee's use of "Spic" as a trade-mark for its animal fat shortening concurrently with appellant's use of the trade-mark "Spry" as applied to its vegetable oil shortening would not be likely to cause confusion or mistake in the mind of the public or to deceive purchasers.

APPEAL from the Patent Office. Opposition No. 24,423.

AFFIRMED.

Spencer A. Studwell for Lever Brothers Company.

Franklin M. Warden for Geo. A. Hormel & Company.

JOHNSON, *J.*:

This is an appeal from the decision of the First Assistant Commissioner of Patents reversing the decision of the Examiner of Interferences sustaining the opposition of appellant to the application of appellee filed March 5, 1945, for registration of the notation "Spic," continuously used by the appellee since February 22, 1945, as a trade-mark for animal fat shortening.

The opposition is based upon section 5 of the Trade-Mark Act of February 20, 1905, the pertinent part of which reads as follows:

" " " That trade-marks which " " " so nearly resemble a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers shall not be registered: " " "

In its notice of opposition, appellant relies upon its ownership of the trade-mark "Spry," registered on June 14, 1932, and continuously used by appellant since February 1932 as a trade-mark for vegetable oil shortening. In its brief, the appellant states, "" " " the sole issue presented here is whether in view of the facts established by the record 'SPIC' so resembles 'SPRY' as to be likely, when applied to goods which are for all practical purposes identical with those in connection with which 'SPRY' has been used and registered since 1932, to cause confusion or mistake or to deceive purchasers."

The Examiner stated in his opinion that "With respect to the goods, applicant has called particular attention to the fact that its shortening is an animal product composed of pork and beef fat whereas opposer's product is an all vegetable shortening. Because applicant's product contains pork fat it is not adapted for sale to the kosher trade. On the other hand, opposer's shortening is sold to such purchasers and specific advertisements have been directed to this group and the product has been specifically packaged for this trade. It does not seem to the Examiner, however, that these differences distinguish the goods as to their descriptive properties. As far as the great majority of purchasers are concerned who observe no dietary laws the goods of the parties are competitive, are very similar in physical characteristics, similarly packaged, and have identical uses. The goods are therefore deemed to be clearly of the same descriptive properties."

In his decision, the First Assistant Commissioner stated, "The goods of the parties are not identical; but obviously they comprise closely related merchandise of the same descriptive properties, and save for the possible exception of the kosher trade are directly competitive."

[1] Both the appellant and the appellee have cited many cases involving trade-marks; however, the citation of prior decisions is of little value in an opposition proceeding for the reason that each case must rest upon its own distinctive facts. *Magitex Co., Inc.*, v. *John Hudson Moore, Inc.*, 33 CCPA (Patents) 956, 154 F.2d 177, 69 USPQ 133, 588 O. G. 192; *McKesson & Robbins, Inc.* v. *American Foundation For Dental Science*, 32 CCPA (Patents) 1235, 150 F.2d 420, 66 USPQ 252, 581 O. G. 174; *Lactona, Inc.* v. *Lever Brothers Company*, 32 CCPA 704, 144 F.2d 891, 63 USPQ 62, 568 O. G. 386. Likelihood of confusion from similar marks is largely a matter of opinion. *The Procter & Gamble Co.* v. *J. L. Prescott Co.*, 18 CCPA (Patents) 1433, 49 F.2d 959, 9 USPQ 454, 413 O. G. 1105; *In re Southern Metal Products Corp.*, 26 CCPA (Patents) 725, 99 F.2d 761, 39 USPQ 440, 499 O. G. 261.

The products here involved are not food, rather they are ingredients of food. They are used in the preparation and the cooking of food.

In its brief, appellant states that "shortening is a relatively inexpensive product which is purchased with little care by consumers of all grades of intelligence, " " "."

Appellee contends that people who purchase shortening, a product used in the preparation and the cooking of food, are particular as to the kind of shortening they purchase; that they know what kind of shortening they desire, and are not easily deceived, misled, or confused.

[2] People are more careful in purchasing a product used in the preparation and the cooking of food than they are in the purchase of food. One product here involved is made from animal fat, and the other is made from vegetable oil. While both are used for ordinary cooking purposes, there is a difference between them, and purchasers usually know whether they want a shortening made from animal fat or one made from vegetable oil. Specific differences in goods which are of the same general descriptive character should be considered together with differences in marks in fairly determining the question of likelihood of confusion. *Joseph Tetley & Co. Inc.* v. *Fant Milling Co., Etc.*, 27 CCPA (Patents) 1180, 111 F.2d 485, 45 USPQ 433, 520 O. G. 795; *Puerto Rico Distilling Co.* v. *The Coca-Cola Co.*, 28 CCPA (Patents) 1143, 120 F.2d 370, 49 USPQ 660, 531 O. G. 797.

[3] The notations here involved are not spelled alike, do not sound alike, and do not look alike. The specimen of appellant's label filed with its notice of opposition shows the notation "Spry" prominently in three places on the label, spelled with a large "S" with "pry" in smaller letters of uniform size. The label also includes the following: "TRIPLE-CREAMED FOR EASIER MIXING," "MADE OF HYDROGENATED VEGETABLE OIL BY EXCLUSIVE PATENTED PROCESS," and, in larger type, "PURE VEGETABLE SHORTENING." The word "Spic" appears on appellee's label prominently but once, and is spelled with large letters of uniform size. Under the "Spic" notation on the label appears the description, "Pork and Beef Fats."

[4] For the reasons hereinbefore set out, we do not believe that the notations here involved are confusingly similar, or that appellee's use of "Spic" as a trade-mark for its animal fat shortening would be likely to cause confusion or mistake in the mind of the public, or to deceive purchasers, because of appellant's use of the trade-mark "Spry" as applied to its vegetable oil shortening.

The decision of the First Assistant Commissioner of Patents is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,887,926, S. Fox, Combination garment, D. C., S. D. N. Y., Doc. 48/510, *S. Fox* v. *Associated Lerner Shops of America, Inc., et al.* Consent order of discontinuance (notice May 2, 1949).

1,888,234, E. J. Miller, Method of and apparatus for applying wall finishes, filed Apr. 28, 1948, D. C., S. D. Ohio, E. Div., Doc. 2469, *Perma-Stone Co.* v. *J. Cook.*

1,918,373, H. Bertsch, Wetting agents, filed Apr. 29, 1949, D. C. R. I., Doc. 1000, *The Hydronapthene Corp.* v. *Alrose Chemical Co.*

1,998,729, Mathey & Harter, Pipe cutting apparatus, filed Apr. 28, 1949, D. C., N. D. Okla. (Tulsa), Doc. 2481, *C. A. Mathey et al.* v. *O. L. Carter.*

2,004,701, O. A. Livengood, Goggle supports, filed Apr. 20, 1949, D. C., S. D. N. Y., Doc. 49/779, *Clearsite Corp. of America, Inc.* v. *M. Tannenbaum.*

2,007,115, 2,042,134, J. C. Walker, Method of producing hydrocarbon-oxygen compounds, filed Apr. 27, 1949, D. C. Del., Doc. 1213, *Cities Service Oil Co.* v. *Celanese Corp. of America.*

2,018,083, J. A. Murdock, Bottle-cap remover, filed Apr. 21,1949, D. C., W. D. Pa. (Pittsburgh), Doc. 7798, *Vaughan Novelty Mfg. Co.* v. *G. G. Greene Mfg. Corp.*

2,042,134. (See 2,007,115.)

2,069,873, E. A. Chenault, Process for the preservation of organic material, filed Apr. 25, 1949, D. C. Nebr. (North Platte), Doc. 303, *E. A. Chenault* v. *Nebraska Farm Products Inc. et al.*

2,127,715, E. N. Bonner, Spray head, filed Apr. 20, 1949, D. C., W. D. Pa., Doc. 7795, *E. N. Bonner* v. *The Titan Metal Mfg. Co. et al.*

2,150,503, R. C. Hawkins, Barrel truck, filed Apr. 26, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 9619PH, *Universal Truck Co.* v. *Utilities Supply Co., Inc., et al.*

2,185,421, Prutton & Marvin, Thermostatic device, D. C., N. D. Ill., E. Div., Doc. 47c169, *The Patrol Valve Co.* v. *Edison General Electric Appliance Co., Inc.* Order dismissing cause without prejudice Apr. 8, 1949.

2,197,333, K. Bianchi, Bassinet, filed Apr. 28, 1949, D. C., S. D. N. Y., Doc. 50/66, *K. Bianchi* v. *Hearst Magazines, Inc.* Doc. 50/65, *K. Bianchi* v. *The Crowell-Collier Publishing Co.*

2,198,568, E. H. Yonkers, Jr., Suction cleaner; 2,280,495, E. F. Martinet, Suction cleaner airflow construction; 2,296,359, same, Suction cleaner motor mounting and filter construction, D. C., N. D. Ill., E. Div., Doc. 47c1518, *Lewyt Corp.* v. *Health-Mor, Inc., et al.* Patents held invalid; counterclaims dismissed; 2,296,359 was withdrawn at time of trial Apr. 13, 1949.

2,206,374, H. M. Lewis, Television receiving system, filed Apr. 27, 1949, D. C., S. D. N. Y., Doc. 50/45, *Olympic Radio & Television, Inc.* v. *Haseltine Research, Inc.*

2,216,368, L. R. Hollingshead, Pneumatic tire, filed Apr. 29, 1949, D. C., N. D. Calif. (Sacramento), Doc. 6158, *L. R. Hollingshead* v. *Montgomery Ward & Co.*

2,280,495. (See 2,198,568.) 2,296,359. (See 2,198,568.)

2,299,588, J. R. Proctor, Locking ring for metal container, filed Apr. 27, 1949, D. C., S. D. Fla. (Tampa), Doc. —, *H. H. Parker et al.* v. *C. Wingate.* Defendant enjoined Apr. 20, 1949.

2,333,160, G. E. Dunn, Process for finishing fabric articles; 2,350,021, same, Method of treating textiles, filed Apr. 28, 1949, D. C. Del., Doc. 1214, *Paramount Textile Machinery Co.* v. *Burlington Mills Corp.*

2,350,021. (See 2,333,160.)

2,425,966, E. H. Tjomsland, Shuffleboard weight, filed Apr. 28, 1949, D. C., N. J. (Newark), Doc. 301/49, *Vibro Vita Products Co. et al.* v. *Sun-Glo, Inc., et al.*

2,433,210. (See Des. 137,122.)

2,433,211. (See Des. 137,122.)

2,447,354, M. A. Morrill, Rotary side delivery rake, D. C., N. D. Iowa (Fort Dodge), Doc. 416, *West Coast Sales & Service Co. et al.* v. *Twin Draulic, Inc., et al.* Consent judgment granting injunction from further infringement Apr. 19, 1949. Same, D. C., N. D. Calif. (Sacramento), Doc. 6081, *West Coast Sales & Service Co. et al.* v. *L. Crowe.* Consent decree for injunction Apr. 25, 19.

Des. 137,122, 2,433,210, 2,433,211, J. A. Gits, Ice cube tray, D. C., N. D. Ill., E. Div., Doc. 47c1254, *Associated Plastic Co., Inc.* v. *Gits Molding Corp. et al.* Counterclaim of defendant D. L. Shillingham dismissed Jan. 14, 1949; patents held invalid, defendants amended counterclaim dismissed, injunction to issue Apr. 13, 1949.

Des. 152,830, H. A. Russian, Pajama suit, filed Apr. 19, 1949, D. C., S. D. N. Y., Doc. 49/757, *Style Wear Mfg. Co., Inc.* v. *Lady Mac Mfg. Co.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 504,803, Benrose Fabrics Corp., Silk and synthetic textile fabrics in the piece, supplemental complaint filed Mar. 18, 1949, D. C., N. D. Ill., E. Div., Doc. 47c1662, *Benrose Fabrics Corp* v. *Ben Rose.*

NOTICES

Restoration of Patent Rights in Japan

The Patent Office has been advised by the Department of State that the Japanese Government has been directed to provide the necessary procedures for restoration of patent rights of Allied nationals. The rights to be revived or restored include the following:

(a) Patents existing in Japan on December 7, 1941, owned by U. S. nationals, which have lapsed or been taken away from their owners are to be revalidated and restored upon request made by the owner.

(b) The term of the patent may be extended for a period from the date of loss to the date of restoration or, in the alternative, royalties for the use of the patent during the period of loss may be claimed.

(c) Applications filed by U. S. nationals which were pending on December 7, 1941, are to be reinstated as pending applications upon request of the applicant.

(d) The right of priority of one year is extended in favor of nationals of countries at war with Japan and any such person who filed an application for patent not earlier than 12 months before December 7, 1941, may apply for a patent in Japan with a right of priority based upon the previous first filed application. A period of one year commencing May 1, 1949, is to be allowed within which to make a request for revalidation and restoration, or for filing an application with the extended right of priority.

The Civil Property Custodian in Japan has stated that inquiries should be made direct to him and he will reply giving sufficient information to initiate appropriate action to protect the rights and necessary instructions to file the appropriate papers. The address of the Civil Property Custodian is:

Civil Property Custodian
GHQ SCAP
APO 500
% Postmaster
San Francisco, Calif.

After the initial inquiry the next correspondence will be through:

Office of United States Reparations and Restitution Delegation
% U. S. Political Advisor
Tokyo, Japan

The Civil Property Custodian requests that inquiries regarding patent property be made as soon as possible in view of the time limitations for initiating action.

LAWRENCE C. KINGSLAND,
May 23, 1949. *Commissioner of Patents.*

Disclaimers

2,424,482.—*Bert Mechur* and *Walter Riedler*, New York, N. Y. SHOULDER PAD AND METHOD OF MAKING THE SAME. Patent dated July 22, 1947. Disclaimer filed Apr. 26, 1949, by the inventors.

Hereby enters this disclaimer to claims 1, 3, 6, 10, 15, 16, and 17 of said Letters Patent.

2,466,634.—*Stanley Breen*, Elgin, Ill. ELECTRICAL APPARATUS. Patent dated Apr. 5, 1949. Disclaimer filed Apr. 19, 1940, by the inventor and the assignee, *Operadio Manufacturing Co.*

Hereby enter this disclaimer to claim 12 in said specification.

Interference Notices

Weldon M. Ward, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Portis Style Industries, Inc., 320 West Ohio St., Chicago, Ill., for registration of a trade-mark and Registration No. 285,034, issued December 10, 1929, to Weldon M. Ward, 18 East 27th St., New York, N. Y., and the notice of such declaration sent by registered mail to the said Ward at the said address having been returned by the post office undeliverable, notice is hereby given that unless Weldon M. Ward, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.
May 9, 1949.

Levy, Forman & Co., Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Powell & Campbell, Inc., 122 Duane St., New York, N. Y., for registration of a trade-mark and Registration No. 286,758, issued September 1, 1931, to Levy, Forman & Co., Inc., 710 Broadway, New York, N. Y. The assignment records of this Office show a transfer of title to this registration to Robert J. Levy, % Maurice Schwartz & Co., 1450 Broadway, New York, N. Y., who has been substituted for said Levy, Forman & Co., Inc. to defend the registration concerned. The notice of such declaration sent by registered mail to the said Robert J. Levy, at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Robert J. Levy, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
April 29, 1949. *Assistant Commissioner of Patents.*

Cancellation Notice

Nathan Manis, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Perfect Negligee Co., 16 East 34th St., New York, N. Y., to effect the cancellation of trade-mark registration of Nathan Manis, c/o Marna Undergarment Co., 37 East 28th St., New York 16, N. Y., No. 502,764, dated October 5, 1948, and the notice of such proceeding sent by registered mail to the said Manis at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Nathan Manis, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.
May 9, 1949.

Adjudicated Patents

(C. A. Ill.) Schenk Patent No. 1,857,610, for a form tie, claims 1 and 5 *Held* invalid. *Richmond Screw Anchor Co. v. Umbach*, 173 F.2d 521; 80 USPQ 323.

(C. A. Ill.) Schenk Patent No. 1,910,751, for a wedge for form ties, claims 1 and 2 *Held* invalid. *Id.*

(C. A. Ill.) Schenk Patent No. 2,020,912, for a form tie, *Held* invalid. *Id.*

(C. A. Ill.) Schenk Patent No. 2,107,130, for a means for preventing the formation of continuous voids in concrete masses, *Held* invalid and not infringed. *Id.*

(C. A. Ill.) Schenk Patent No. 2,162,502, for a form tie, *Held* invalid. *Id.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,461,748. CHRISTMAS TREE STAND OR HOLDER. Patented Feb. 15, 1949. A pyramid-shaped stand for supporting a Christmas tree. Made from one flat piece of cardboard, pasteboard, or light sheet metal. The blank is formed with score lines and slots and tabs that interlock when folded for use. A square hole is provided at center of blank to receive a tree. The holder can be made in various sizes, with three, four, or five legs. Packed flat for shipping and assembled without tools. Inexpensive enough to be discarded after one use. (Owner) William H. Looker, Burlington, Iowa. Groups 26—91; 33—73; 34—41; 40. Reg. No. 19,585.

Pat. 2,436,556. LEVELING TOOL. Patented Mar. 30, 1948. This patent relates to an attachment for a standard boring machine adapted for leveling from below the surface around a hole to form a suitable seat for bolt heads or nuts. A laterally displaceable cutter is swingably fixed on a piston in a cylindrical lower portion so that it may be readily pushed through a hole in retracted position. In use, the cutter is extended through an axial slot in the cylindrical portion and pressed into working position, after which it returns to its initial retracted position. The procedure is repeated until desired results are attained, manipulation allegedly taking only one-third the time required with the usual tools. (Owner) A. B. V. Lowener. Correspondence to Richardson, David and Nordon, 41 Park Row, New York 7, N. Y. Group 35—43. Reg. No. 19,586.

Pat. 2,433,980. MEANS FOR AUTOMATICALLY SUPPLYING DISTILLED WATER TO STORAGE BATTERIES. Patented Jan. 6, 1948. An automatic filling device for replenishing distilled water to storage batteries to maintain the battery grids submerged in the electrolyte at all times. The device is a glass or transparent plastic container having an automatic valve which is attached to the battery opening. The valve maintains the container "spill-proof" and automatically opens when attached to the battery to establish water passage between the container and the cells, closing when the cells are filled. Since the container is transparent, the water level may be observed so that the supply may be replenished when necessary. (Owner) Hans J. Hansen, 343 North Lorel Ave., Chicago, Ill. Group 36—91. Reg. No. 19,587.

Pat. 2,126,063. PERMUTATION LOCK. Patented Aug. 9, 1938. A combination padlock wherein the locking action is effected through the cooperation of the housing and locking mechanism. Consists of a casing and cover plate, which form a housing for the locking mechanism. A hub in the casing carries a three-armed spider, each arm having an arcuate dog and a detent arm. The long arm of the shackle is pivotally attached to one arm of the spider by a stud. Flanged tumblers rotatably mounted on the face of the casing are provided with necessary pins, face plates, springs, etc., to actuate the locking mechanism. (Owner) H. E. Van Dine, 520 Ritchie Ave., Silver Spring, Md. Group 83—59. Reg. No. 19,588.

Pat. 2,409,095. RETORT TYPE OIL BURNER. Patented Oct. 8, 1946. A portable oil burner has a two-part vaporising chamber, circular in cross section and oval in elevation, with a web between the parts. Each part is completely curved throughout the interior. The parts are removably secured together by a bolt passing through openings in the web and a plate on each side of chamber. A wedge key in end of bolt overlying one plate allows parts to be taken apart for cleaning. Oil is admitted through a supply pipe to top of unit, only a small quantity being admitted at first. Starting fuel in a pan at bottom of unit is ignited to heat unit to vaporising temperature. As the oil vaporizes and burns, the flames pass through burner openings between the plates, while openings outside the plates admit air for combustion. (Owner) Ernest J. Ashby. Correspondence to J. Herbert Hartman, 1004 Inland Bldg., Indianapolis 4, Ind. Group 33—62—63. Reg. No. 19,589.

Pat. 2,453,362. NONINTERLOCKING BUMPER GUARD. Patented Nov. 9, 1948. A noninterlocking guard for attachment to bumper of automobile has outwardly curved upper and lower portions and a resilient insert center section. The rear of guard is straight and dished-in at center to fit over standard bumper, secured thereto by a bolt. The bolt also supports a leaf spring within the guard to urge the resilient center outwardly when not in use. A cushioning bumper at end of bolt limits the inward movement of the insert. When the bumpers of two cars meet, the impact will push the insert section of the guard in, and the other bumper will be engaged by the concave portion and centered by it, thus preventing an upward or downward interlocking movement. (Owner) Harvey R. Connor. Correspondence to Smith & Tuck, Central Bldg., Seattle 4, Wash. Groups 33—59; 38—31. Reg. No. 19,590.

Pat. 2,460,557. CONVERTIBLE CHILD'S SEAT AND CAR. Patented Feb. 1, 1949. A child's three-wheel car has a collapsible frame for carrying in an automobile, and a seat and steering wheel which may be removed as a unit and placed on an automobile cushion. The triangular frame is collapsed by swinging the side bars together. The seat is secured to the frame by hooks at ends of side bars inter-engaging with openings in a flange at rear of seat. The steering wheel is pivoted to a bracket at front of seat and engages a trunnion at upper end of front wheel shaft. When seat is used in an automobile, the flange engages the back of a seat cushion, and the steering wheel may be tilted toward the seat to support and amuse a child while traveling. (Owner) Florence White, 265 Wetope North, Bound Brook, N. J. Group 30—43. Reg. No. 19,591.

Pat. 2,460,571. APPARATUS AND METHOD FOR MAKING A PLASTIC COMPOSITION AND PRODUCT. Patented Feb. 1, 1949. This patent describes a plastic material of great strength that may be sawed, drilled, or shaped with the usual wood-working tools. It may be made in various densities, and used as an acoustic tile, roofing sheet, insulating core, etc., or molded into toys, fan blades, bat-

tery cases, and the like. Basically, ligno-cellulose fibers, such as excelsior, hemp, cotton, etc., are coated with a soy bean or peanut flour having a protein content of at least 50%, from which oil has been removed. Unhydrated lime and water are added, the fibers heated at a temperature ranging from 250° to 400° F., and the whole compressed into a plastic mass. The apparatus used for processing the material consists of a chamber with inlet and outlet openings through which a conveyor loaded with filler passes. The conveyor is appropriately provided with openings from top to bottom from which air is supplied by blowers, material in powder form is sprayed, etc. (Owner) Randolph W. Chaffee, 176 Curtis Drive, Avon Lake, Ohio. Groups 28—83; 39—81. Reg. No. 19,592.

Pat. 2,452,387. PLOWSHARE. Patented Oct. 26, 1948. A metal plowshare for attachment to a standard mouldboard has an integrally formed leading point and trailing rectilinear blade. Is designed especially to retain point in position in hard ground. The point has a lower front cutting edge and a flat land-side guiding surface, but no cutting edges on furrow side. The blade, extending laterally at an oblique angle, has a straight lower edge adapted to travel in a horizontal plane above the point edge. Both point and blade have convex upper and concave lower surfaces adjoining the edges adjacent the point, to aid the mouldboard in holding the point in the ground and turning the loosened earth. (Owner) Edward R. Mocsak, Sr., Route 1, Box 306, South Milwaukee, Wis. Groups 33—92; 35—22. Reg. No. 19,593.

Pat. 2,460,170. PAGE END INDICATOR FOR TYPEWRITERS. Patented Jan. 25, 1949. An attachment for a typewriter which sounds a bell when end of paper has been reached. A housing has a removable cover with a dial and a co-acting pointer mounted on a shaft. A gear on shaft supports a bell and rotates in unison with a gear secured to the axle supporting the platen roller. A clapper rotates with the gear and has an arm to engage a striker on housing. The typist sets pointer at any desired gradation on dial, and when the clapper engages the striker the bell is sounded. (Owner) John G. Furehak, 166 Almonte Blvd., Mill Valley, Calif. Group 35—72. Reg. No. 19,594.

Pat. 2,460,937. PIPE SMOKER'S DIBBLER. Patented Feb. 8, 1949. A pipe smoker's dibbler for cleaning a pipe bowl. A handle has a tamping plate at one end (with an arcuate flange and a series of projections) and a spoon-like member with a blunt point at the other end. The dibbler is moved up and down within the bowl, and the spoon removes relatively inaccessible particles of dross. (Owner) Ralph G. Kaufman, 50 Wolcott Terrace, Newark 8, N. J. Groups 30—32; 33—73; 39—95. Reg. No. 19,595.

Pat. 2,461,977. DETACHABLE SHOE HEEL ORNAMENT. Patented Feb. 15, 1949. An ornamental body portion to encompass the outside of a woman's shoe heel has a pronged clip pivoted to each end to engage the front face of heel. A spring within the pivotal connection holds the body portion on the heel. The device is released by a finger catch on the clips. Various modifications of ornamental designs are shown. (Owner) Thomas Gilmour, King's County Hospital, c/o Mr. Monahan's Office, 451 Clarkson Ave., Brooklyn, N. Y. Groups 31—32; 39—71—81; 40. Reg. No. 19,596.

Pat. 2,449,629. CHILD'S FOLDING SEAT. Patented Sept. 21, 1948. Lightweight folding toilet seat for use by a child may be carried in a small case. Rigid front and rear frame members are hingedly connected to sides, and seat of flexible sheet material is removably attached to front and back of frame. Depending elements at front and rear hold the frame in position on a conventional toilet seat. By means of hinges the frame folds upon itself, and the seat wraps around the frame. (Owner) Edward B. Thompson, 4600 Highland Ave., Downers Grove, Ill. Groups 23—99; 25—19—99. Reg. No. 19,597.

Pat. 2,458,804. SELF-TIGHTENING ROPE CLAMP. Patented Jan. 4, 1949. A self-tightening clamp for gripping and holding two portions of wire rope may be used repeatedly without injuring the rope. A hollow flattened cylindrical shell receives for sliding movement therein two pairs of shoes. Each pair of shoes, for engaging a portion of rope, comprises a wedge-shaped outer shoe which slidably engages the face or bore of shell, and an inner shoe of substantially uniform thickness in a longitudinal direction. The wedge-shaped outer shoes are tapered in opposite directions, and the inner shoes are in sliding contact with each other. The sliding movement of shoes in opposite directions causes rope portions to be gripped. To prevent release of clamp in event of sudden slack in rope, a latch means is provided with ratchet teeth on outer shoes co-acting with a spring-metal resilient key or abutment extending through the wall. (Owner) Kenneth R. Runde, Route 9, Box 441, Lemay 23, Mo. Groups 33—49; 34—95; 35—69. Reg. No. 19,598.

Pat. 2,454,309. BOLT HOLDING TOOL. Patented Nov. 23, 1948. A tool resembling a pair of pliers for gripping a projecting bolt during re-threading when the head of the bolt is inaccessible. The jaws are in offset relation to the handles so that the jaws may be close to the wall through which the bolt projects while the handles are spaced from the wall and may be readily gripped. A bar joining the rear end portions of handles is screwed up to force the handles toward each other to tighten the grip of the jaws. A spur projecting from the inner side of one handle is adapted to be embedded in the wall for holding the tool against movement when turning strain is applied to the bolt during re-threading. (Owner) Evan W. Davis, W. 120 Waverly Place, Spokane 13, Wash. Group 33—52. Reg. No. 19,599.

Pat. 2,461,174. AUTO VACUUM CLEANER. Patented Feb. 8, 1949. Vacuum cleaner may be easily connected to engine block and permanently carried by vehicle. When installed, a suction pipe forming part of the fan housing of the device terminates substantially flush with inner face of dash of vehicle, and a push rod protrudes slightly beyond dash. The usual type of flexible suction conduit may be detachably connected to the pipe by simply inserting a fitting carried on end of conduit into the pipe and turning fitting. When such connection is effected, a flange of union will thrust push rod forwardly to bring a pulley on a flexible drive shaft of fan of device into operative engagement with fan belt of engine to operate fan. The push rod actuates a long (encased) rod-like flexible shaft to turn a bearing in which the fan shaft of device is eccentrically mounted. (Owner) Harry A. R. Peterman, 1901 Winona St., Chicago 40, Ill. Groups 36—21; 38—31. Reg. No. 19,600.

Pat. 2,165,461. SHIFTING DEVICE FOR AUTOMOBILES. Patented July 11, 1939. Parking mechanism may be connected to and permanently carried by automobile to raise rear wheels off ground and laterally shift rear end into and out of parking place. A pair of transverse parking wheels adjacent rear axle of vehicle, normally held in retracted substantially horizontal position, may be extended or retracted by manually depressing or raising a vertically reciprocating rack bar. These wheels may be swung downwardly into extended position to raise both rear vehicle wheels off ground and bring one parking wheel into tractive engagement with inner side of the tire on left rear vehicle wheel to be frictionally driven thereby to laterally shift vehicle. As parking wheels are extended, a valve mechanism incorporated into the usual hydraulic brake system of vehicle is automatically actuated to block the flow of fluid to right front and left rear vehicle wheels to leave these wheels free to rotate when vehicle brakes are applied to restrain other vehicle wheels against rotation. (Owner) Charles A. Dreisbach, 83–85 Warburton Ave., Yonkers 2, N. Y. Group 38—31. Reg. No. 19,601.

Pat. 2,456,756. SHOE TREE. Patented Dec. 21, 1948. Shoe tree consists of a hollow toe portion and an integral narrow resilient shank portion preferably with a curled end for bearing against heel of shoe. A central depressed channel extending longitudinally in shank and toe may be interrupted by forming spaced holes in the channel. When tree is placed in shoe, the shank is arched upwardly. When shank is pressed downwardly, a powerful camming or toggle action is obtained to extend shoe as the direction of curvature of shank is reversed. Modification shown. (Owner) Chester Tietig, 1110 Mt. Allen Road, Park Hills, Covington, Ky. Groups 25—95; 33—73; 39—81; 40. Reg. No. 19,602.

Pat. 2,457,347. ELECTRICAL OUTLET STRUCTURE. Patented Dec. 28, 1948. Weather-proof outlet box primarily intended for trailer camps will reduce to a minimum shocks and fire hazards. The box has a hinged inclined panel inside carrying a plurality of electrical units, such as switches, plug sockets, etc., on its outer face. The panel may be swung outwardly and downwardly to expose the back to connect circuit wires introduced into box to the electrical units. When panel is swung back into the box, all circuit wires are concealed behind panel. A cover hinged at its upper end to upper end of box has end and side walls to close with a friction fit and render box waterproof. When cover is open, it may be removed by simply lifting it off its hinge. (Owners) Leslie R. Casler and Leslie Fred Milner, 4722 Winthrop Ave., Indianapolis, Ind. Group 36—11. Reg. No. 19,603.

Pat. 2,286,000. CALENDAR CLOCK. Patented June 9, 1942. This patent pertains to a step movement type of actuating mechanism for automatically changing the date indicators in a calendar clock at the required times, except for a manual setting in leap years. (Owner) Telechron Inc., Ashland, Mass. Groups 34—61; 35—71. Reg. No. 19,604.

Re. 19,851. RADIO PROGRAM SELECTING APPARATUS. Reissued Feb. 11, 1936. (Original Patent 1,939,267; dated Dec. 12, 1933.) This patent relates to a time switch clock mechanism arranged with control buttons about the dial for the purpose of automatically turning on a radio circuit for predetermined, selected time intervals. (Owner) Telechron Inc., Ashland, Mass. Groups 34—61; 36—21—61. Reg. No. 19,605.

Miles Laboratories, Inc., offers the following five patents for license or sale on reasonable terms. Inquiries concerning these patents should be addressed to Miles Laboratories, Inc., 1127 Myrtle St., Elkhart, Ind.

Pat. 2,280,916. PREPARATION OF ORTHO-HYDROXYCINNAMIC ACID. Patented Apr. 28, 1942. Ortho-hydroxycinnamic acid, valuable as an intermediate in the manufacture of coumarin (used as a flavoring material) may be obtained by reacting an alkaline solution of salicylalacetone with sodium hypochlorite and acidifying the resultant sodium o-hydroxycinnamate. Several modifications are cited. Neither expensive equipment nor high temperatures are necessary in the process. Groups 20—95; 28—34. Reg. No. 19,606.

Pat. 2,314,831. PREPARATION OF D-TARTARIC ACID BY FERMENTATION. Patented Mar. 23, 1943. A compound containing the acid radical of dextro-tartaric acid is produced by fermenting an aqueous solution of glucose with a culture of *Acetobacter suboxydans* in the presence of a vanadium compound. The fermenting mixture is aerated with an oxygen-containing gas at a temperature ranging from 10°–40° C., and the pH value maintained from 8.0 to 12.0 by the addition of sodium carbonate, or the like. The dextro-tartaric acid formed is precipitated as an insoluble potassium salt. Group 28—31—34—89. Reg. No. 19,607.

Pat. 2,346,261. TITRATION REACTION VESSEL. Patented Apr. 11, 1944. This patent provides a single titration-reaction vessel in the form of a test tube for such laboratory tests as determining reducible carbohydrates or sugars in blood, urine, spinal fluids, etc. The tube is calibrated with reference to standardized procedure, the calibrations including one to limit the volume of the reagent, and a series of marks to indicate the titer value. Upon completing titration, the accurate titer is read by the final volume in the tubes. Notes and coordinated specimens (as is usual procedure) are not required. Group 39—11. Reg. No. 19,608.

Pat. 2,378,559. SYNTHETIC ELASTOMERS. Patented June 19, 1945. Rubber-like substances characterized by the presence of polysulfide linkages within their molecular structure. Several examples are shown in the patent. A mixture of one mole of ethylene dichloride, from 0.05 to one mole of vinyl acetate, and one mole of sodium polysulfide is heated at reaction temperature in an aqueous medium. The product obtained, according to the patent, shows not only good extensibility and tensile strength, but resistance to organic solvents such as benzene and gasoline. Group 28—83. Reg. No. 19,609.

Pat. 2,406,774. SYNTHESIS OF RIBOFLAVIN AND INTERMEDIATES THEREFOR. Patented Sept. 3, 1946. This patent cites several methods of synthesizing riboflavin not requiring pentose sugar d-ribose, which contributed largely to the high cost of former processes. An example of one of the processes is as follows: 3, 4-dimethyl, 6-arylasophenyl-d-isoarabinosamine is reduced to 3, 4-dimethyl, 6-aminophenyl-d-ribamine by the action of a reducing agent selected from the group consisting of sodium amalgam, and hydrogen acting in the presence of a hydrogenation catalyst. Group 28—31. Reg. No. 19,610.

Pat. 2,460,394. FENDER PROTECTOR. Patented Feb. 1, 1949. This patent provides an elongated flexible sheet, which may be treated to make it oil-resistant, wound on a spring roller and mounted within the engine compartment of an automobile. In use, the sheet is pulled out to cover the fender for protecting the finish when the motor is being given minor repairs, servicing, etc. (Owner) Erin B. Peatross, 807 Whittier Place N. W., Washington 12, D. C. Groups 38—31; 40. Reg. No. 19,611.

Pat. 2,349,515. ASTRONOMICAL EDUCATIONAL DEVICE. Patented May 23, 1944. A device that shows the stars in their relative positions and brightness in an artificial heaven and horizon as they would appear at any desired time of the night in the year. It consists chiefly of a transparent sphere (upon which the stars are permanently located) rotating within an opaque semi-sphere or dome. The observer looks up into the dome through the exposed area of the sphere and senses he is looking up into the natural heavens. Stars appearing and identified in the device can thus be easily identified with their respective positions in the natural heavens for that night. (Owner) Edward Ernest Oberst, 100 Howe St., New Haven, Conn. Group 39—11. Reg. No. 19,612.

Pat. 2,456,300. NOISEMAKING DEVICE. Patented Jan. 18, 1949. Toy pistol will emit a sharp report by rapid separation of a pair of vacuum cups when trigger is pulled. A vertical pivoted lever inside gun carrying one of the cups and connected to the rear end of a coil spring has a finger piece protruding through an elongated slot in top of gun. The lever may be pulled rearwardly to force the cups into face-to-face engagement and cock gun. (Owner) D. M. Wolf, 14852 Jefferson St., Midway City, Calif. Group 39—41. Reg. No. 19,613.

Notice

Pat. 2,155,295. AIRPORT LIGHTING SYSTEM. Patented Apr. 18, 1939. (Reg. No. 19,260, in March 29 and May 3, 1949, issues of the Official Gazette.) By agreement with Bartow Beacons, Inc., all inquiries concerning sub-licenses for this patent should now be directed to the Airport Lighting Division, The Weisbach Corporation, 1500 Walnut St., Philadelphia 2, Pa.

Patents Removed from Register

The following three patents, listed by E. I. du Pont de Nemours and Company in the November 30, 1948, issue of the Official Gazette, have been licensed exclusively and are, therefore, withdrawn from the Register.

Pat. 1,958,012. PROCESS FOR THE MANUFACTURE OF ALKALI METAL HYDRIDS.

Pat. 2,372,670. PRODUCTION OF ALKALI METAL HYDRIDS.

Pat. 2,372,671. PRODUCTION OF ALKALI METAL HYDRIDS.

Patent Restored to Register

Pat. 2,274,945. PLIERS. Patented Mar. 3, 1942. This patent, which was withdrawn from the Register under a lease, is again available for sale or license. It was published as Reg. No. 476, among a group of patents relating to Hand Tools, in the Official Gazette of October 23, 1945. (Owner) Mrs. Marie S. Van Keuren, 1445 Spring Road N. W., Washington 10, D. C.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 7, 1949

[VOL. 623. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 486,628. PHILLIPS CHEMICAL COMPANY, Chicago, Ill. Filed Aug. 2, 1945.

SWIRT

FOR LIQUID KEROSENE BASE EMULSION ONLY FOR INDUSTRIAL USE IN DEGREASING METAL ARTICLES PRELIMINARY TO PLATING, PAINTING, AND FINISHING OPERATIONS.

Claims use since Oct. 14, 1944.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 501,147. ARCH HOTCHKISS, JR., doing business as Universal Engineering Company, San Diego, Calif. Filed Apr. 29, 1946.



The representation of a man is fanciful.

FOR GUN EQUIPMENT—NAMELY, GUN RODS AND GUN BRUSHES.

Claims use since Jan. 4, 1946.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 523,549. LOU SOLED, doing business as Soled Paint Co., New York, N. Y. Filed June 4, 1947.



FOR READY-MIXED LIQUID PAINTS USED ON BUILDING WALLS AND SURFACES.

Claims use since Jan. 3, 1947.

Ser. No. 525,020. OREFRACTION INCORPORATED, Pittsburgh, Pa. Filed June 27, 1947.



FOR SAND DERIVATIVES AND COMPOSITIONS COMPOSED PRINCIPALLY OF SAND DERIVATIVES, USED IN MAKING PAINTS, PIGMENTS, GLAZES, AND ENAMELS.

Claims use since May 14, 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 493,844. SWALLOW AIRPLANE COMPANY, INC., Wichita, Kans. Filed Dec. 22, 1945.

TUFFY

FOR SCREW DRIVERS.

Claims use since Dec. 6, 1945.

Ser. No. 499,871. UNIT CRANE & SHOVEL CORP., West Allis, Milwaukee, Wis. Filed Apr. 8, 1946.



FOR POWER SHOVELS AND CRANES.
Claims use since Jan. 2, 1930.

Ser. No. 507,307. ENGLISHTOWN CUTLERY, LTD., New York, N. Y. Filed Aug. 13, 1946.



The term "Forge" is disclaimed apart from the combination shown.
FOR TABLEWARE—NAMELY, KNIVES, FORKS, SPOONS, AND CARVING SETS OF BASE METAL.
Claims use since Jan. 1, 1939.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 508,108. GEMEX COMPANY, Union, N. J. Filed Aug. 27, 1946.

Lady Princeton

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, WATCH BRACELETS.
Claims use since Aug. 8, 1946.

Ser. No. 508,109. GEMEX COMPANY, Union, N. J. Filed Aug. 27, 1946.

Lord Princeton

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, WATCH BRACELETS.
Claims use since Aug. 8, 1946.

Ser. No. 513,232. JOSEPH BERLAND, New York, N. Y. Filed Nov. 26, 1946.

LOVELAND

FOR FINGER RINGS.
Claims use since Jan. 2, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 517,790. ROBERT E. MARRIOTT, Battle Creek, Mich. Filed Feb. 19, 1947.



FOR CORRESPONDENCE PAPER AND STATIONERY.
Claims use since Feb. 12, 1947.

CLASS 39

CLOTHING

Ser. No. 508,591. FISHBACK MANUFACTURING COMPANY, Denver, Colo. Filed Sept. 6, 1946.



The girl's picture is fanciful.
FOR OUTER CLOTHING—NAMELY, JACKETS AND RIDING PANTS FOR WOMEN, MISSES, AND JUNIOR MISSES.
Claims use since June 1938.

Ser. No. 519,914. ALEXANDER & SONS, INC., New York, N. Y. Filed Apr. 1, 1947.



The word "Furs" is disclaimed.
FOR GARMENTS MADE OF FUR—NAMELY, COATS, SCARFS, AND MUFFS.
Claims use since Apr. 23, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 520,508. FRED HURTLEY LIMITED, Keighley, England. Filed Apr. 11, 1947.

LITESOME

FOR ATHLETIC SUPPORTERS.
Claims use since October 1939.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 518,460. THE GRAPETTE COMPANY, INCORPORATED, Camden, Ark. Filed Mar. 4, 1947.

Grapette

FOR NON-ALCOHOLIC, MALTLESS FRUIT BEVERAGE.
Claims use since 1911.

CLASS 46

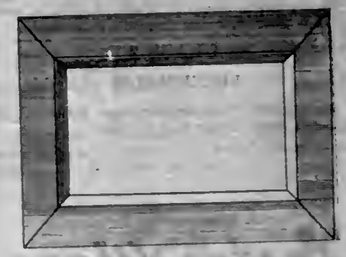
FOODS AND INGREDIENTS OF FOODS

Ser. No. 512,977. WOODROW MILLER, doing business as Woodrow Miller and Company and Woodrow Miller Honey Company, Alhambra, Calif. Filed Nov. 21, 1946.



The name "Rita Miller's" is a facsimile of the handwriting of Rita Miller, wife of the applicant. The stippling of the drawing is for shading only.
FOR HONEY.
Claims use since Aug. 1, 1944.

Ser. No. 518,825. CHURCH & DWIGHT CO. INC., New York, N. Y. Filed Mar. 11, 1947.



Applicant owns Reg. Nos. 59,095, 426,956, and 426,957. The drawing is lined for the color blue which is claimed as an essential feature of applicant's mark. The inner portion of the frame is lined for shading only.
FOR BAKING SODA (BICARBONATE OF SODA) FOR USE AS AN INGREDIENT IN THE PREPARATION OF FOODS.
Claims use since March 1930.

Ser. No. 520,289. JAMES STOREY MARSHALL, Totnes, Devonshire, England. Filed Apr. 7, 1947.



No claim is made to the exclusive use of the word "Widdecombe" and the word "Marshall's."
FOR CANDY.
Claims use since July 14, 1945.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.8.

As provided by section 21 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 551,362. COLUMBUS PLASTIC PRODUCTS, INC., Columbus, Ohio. Filed Mar. 6, 1948.

Lustro-Ware

No claim is made to the term "Ware" apart from the mark as shown. Applicant claims ownership of Registration No. 416,862.

FOR DRINKING TUMBLERS, SHAKER-TYPE FOOD AND BEVERAGE MIXER CUPS, BATH TUB SOAP DISHES FOR BAR SOAP, ORNAMENTAL BOX DISPENSERS FOR TOILET OR FACIAL TISSUE, TRAYS FOR THE RECEPTION OF SILVERWARE, EGG TRAYS OF CELLULAR CONSTRUCTION, BUTTER-RECEIVING DISHES, REFRIGERATOR HYDRATOR PANS AND DISHES, ALL COMPOSED OF THERMOPLASTIC AND/OR THERMOSETTING SYNTHETIC RESINS.

Claims use since Feb. 1, 1945.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 539,268. BUCHNER IMPORT CO., INC., New York, N. Y. Filed Oct. 28, 1947.

Kanette by Buchner

The applicant disclaims the right to the exclusive use of the word "Buchner" apart from the mark as shown.

FOR TOILET ARTICLE KITS OF METAL, PLASTIC, OR OTHER SUITABLE MATERIALS, THESE BEING CAN SHAPED KITS INTENDED TO HOLD A VARIETY OF ARTICLES SUCH AS CHANGE, KEYS, HANDKERCHIEF, LIPSTICK, SMALL COMB, ETC.; THE REMOVABLE TOP HAVING A ROUGE COMPACT BUILT THEREIN; SAID TOILET KIT BEING PROVIDED WITH A CHAIN SO THAT IT MAY BE SUSPENDED FROM THE ARM.

Claims use since Oct. 17, 1947.

Ser. No. 551,114. NEW BEDFORD LUGGAGE COMPANY, New Bedford, Mass. Filed Mar. 3, 1948.



The words "New Bedford, Mass." and the representation of the peninsula are disclaimed apart from the mark.

FOR TRAVELING BAGS, OVERNIGHT BAGS, VALISES, GLADSTONE BAGS, CLUB BAGS FOR TRAVELING, TRAIN CASES, UTILITY BAGS FOR TRAVELING.

Claims use since Jan. 5, 1948.

Ser. No. 563,768. HAZEL WASHINGTON, Los Angeles, Calif. Filed Aug. 19, 1948.



FOR PORTFOLIOS, POCKETBOOKS, AND LUGGAGE—NAMELY, LEATHER TRAVELLING CASES, FORTNIGHTERS, SUITCASES, HAT CASES, AND SHOE CASES.

Claims use since 1938.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 521,879. EWALD A. BUSSE, doing business as Gridd Stone Company, Canton, Ohio, assignee of Gridd Stone Company. Original filed May 5, 1947, under the act of 1905, amended to application under act of 1946, Feb. 27, 1948.

-PCF-

FOR ABRASIVE SCOURING BLOCK.

Claims use since August 1946.

Ser. No. 531,863. EDWARD R. TAYLOR, doing business as Taylor Precision Manufacturing Co., Rocky River, Ohio. Filed Aug. 19, 1947.

ARVISOL

FOR DETERGENT FOR CLEANING GLASSES AND BEER SYSTEMS.

Claims use since 1939.

Ser. No. 533,595. CHARLES P. MOORE, doing business as Moore & Son, Tucson, Ariz. Filed Sept. 5, 1947.

L-BO GREASE

The word "Grease" is disclaimed apart from the mark. The drawing is lined for the color blue.

FOR HOUSEHOLD CLEANER IN POWDERED AND LIQUID FORM, FOR USE IN CLEANING PAINTED SURFACES, LINOLEUM, FABRIC, AND UPHOLSTERY.

Claims use since June 30, 1947.

Ser. No. 535,539. WILFRED G. KINO, doing business as Spray Brite Co., Minneapolis, Minn., assignor to Spray-Brite Company, Minneapolis, Minn., a firm. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

SPRAY BRITE

Applicant claims ownership of Registration No. 333,866.

FOR LIQUID GLASS CLEANER FOR WINDSHIELDS, WINDOWS, MIRRORS, SHOWCASES, AND THE LIKE.

Claims use since Sept. 1, 1934.

Ser. No. 535,872. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Sept. 26, 1947.



FOR SYNTHETIC ORGANIC DETERGENTS, SOAPS, SOLVENT CLEANSERS FOR CLEANING TEXTILES, FABRICS AND FIBERS PREPARATORY TO FURTHER PROCESSING; FOR DETERGENTS FOR GENERAL WASHING PURPOSES FOR HOUSEHOLD AND INDUSTRIAL WASHING OR CLEANING; FOR OILS AND CHEMICALS USED FOR CONDITIONING, WATERPROOFING, AND SOFTENING LEATHER AND FURS PREPARATORY TO FURTHER PROCESSING; SOAPS MADE FROM SULPHONATED OILS AND/OR ORGANIC SYNTHETIC DETERGENTS HAVING GENERAL CLEANSING PROPERTIES, EXCEPT FOR SODIUM SILICATE AS SUCH.

Claims use since May 1, 1928.

Ser. No. 539,619. ARMSTRONG PAINT & VARNISH WORKS, doing business as Nickel Plate Stove Polish Company, Chicago, Ill. Filed Oct. 31, 1947.

BLACK EAGLE

The word "Black" is disclaimed apart from the mark.

FOR STOVE POLISH.

Claims use since 1925.

Ser. No. 540,145. ARMOUR & COMPANY, Chicago, Ill. Filed Nov. 5, 1947.

FLOTILLA

FOR SOAPS.

Claims use since 1903.

Ser. No. 540,966. ARMOUR AND COMPANY, Chicago, Ill. Filed Nov. 13, 1947.

BULL'S HEAD

FOR COATED ABRASIVES.

Claims use since 1920.

Ser. No. 542,001. F. L. & J. C. CODMAN COMPANY, Rockland, Mass. Filed Nov. 22, 1947.

SAVA-SENTA

FOR BUFFING WHEELS AND COMPONENT PARTS THEREOF.

Claims use since Oct. 30, 1947.

Ser. No. 542,535. CLEAN TIM, LIMITED, Toronto, Ontario, Canada. Filed Nov. 28, 1947.

CLEAN TIM

The word "Clean" is disclaimed apart from the mark. Applicant claims ownership of Canadian Registration No. 91.

FOR SOLUBLE CLEANER, CLEANSER, AND DETERGENT.

Ser. No. 542,723. THE FITCH DUSTDOWN COMPANY, Baltimore, Md. Filed Oct. 13, 1947. Under section 2f of the act of 1946.

Dustdown

THERE'S ONLY ONE

No claim is made to the words "There's Only One," apart from the mark shown. Applicant claims ownership of Registration No. 217,542.

FOR LIQUID SOAP, SWEEPING COMPOUND, DUST-COLLECTING SWEEPING POWDER, AND POWDER FOR DUSTLESS SWEEPING.

Claims use since Nov. 3, 1904.

Ser. No. 543,995. ROYCE CHEMICAL COMPANY, Carlton Hill, N. J. Filed Dec. 10, 1947.

ROYCE CHEMICAL CO.

FOR GENERAL CLEANING AND SCOURING COMPOUND.

Claims use since July 21, 1936.

Ser. No. 545,923. EARL C. WEST, doing business as Dr. West Company, Mora, Minn. Filed Dec. 31, 1947.

24-S

FOR CLEANER FOR DENTAL PLATES.

Claims use since Oct. 15, 1947.

Ser. No. 546,425. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Jan. 7, 1948.

Chase-O

Applicant claims ownership of Registration No. 94,425 (renewed).

FOR SOLUBLE CLEANER, CLEANSER AND DETERGENT.

Claims use since Aug. 1, 1912.

Ser. No. 546,965. DETREX CORPORATION, Detroit, Mich. Filed Jan. 14, 1948.

DETREX

FOR DRYCLEANING SOLVENTS, METAL CLEANING SOLVENTS, ALKALI CLEANERS, FLOOR CLEANERS, METAL CLEANERS, EMULSION CLEANERS, SPOT REMOVER, WATER EMULSION CLEANERS, SPRAY BOOTH CLEANER, ACID CLEANERS, SOAP POWDERS, GREASE REMOVERS, AND SOLVENT CLEANING COMPOUNDS.

Claims use since Feb. 26, 1936.

Ser. No. 547,008. LANMAN & KEMP-BARCLAY & CO. INCORPORATED, New York, N. Y. Filed Jan. 14, 1948. Under section 2f of the act of 1946.

Barry

Applicant claims ownership of Registrations Nos. 162,671 and 416,035.

FOR SOAP.

Claims use since May 10, 1922.

Ser. No. 547,346. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio. Filed Jan. 17, 1948. Under section 2f of the act of 1946.

Pall Mall

Applicant claims ownership of Registration No. 119,802.

FOR SUDSING CLEANER, CLEANSER AND DETERGENT.

Claims use since Aug. 25, 1917.

Ser. No. 552,040. COLLEGE PHARMACY PRODUCTS, Medford, Mass. Filed Mar. 16, 1948.

CLENA-FORM

The word "Form" is disclaimed.

FOR LIQUID CLEANING AGENT WHICH IS USED TO CLEAN AND LUBRICATE THE BORDERS AND PREBORDERS OF HOSIERY FORMS.

Claims use since June 16, 1947.

Ser. No. 550,953. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y. Filed July 9, 1948.

NACCONOL

Applicant claims ownership of Registrations Nos. 284,944, 336,900, and 336,901.

FOR DETERGENT PREPARATIONS USED FOR METAL CLEANING FOR GENERAL HOUSEHOLD AND INDUSTRIAL CLEANING PURPOSES, AND FOR INCORPORATING IN DENTIFRICES, SOAP, AND SOAP PREPARATIONS.

Claims use since as early as Oct. 5, 1932.

CLASS 5

ADHESIVES

Ser. No. 550,442. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 24, 1948.

HOMART

FOR GROUP A—TILE CEMENT COMPOUNDED OF SYNTHETIC RESINODS MATERIALS FOR AFFIXING TILES TO WALLS, UNDERFELT PASTE HAVING A RESINOUS BASE, COVE BASE CEMENT HAVING A RUBBER BASE, TILEBOARD CEMENT HAVING A RESINODS BASE; GROUP C—COLD WATER PASTE.

Claims use since June 15, 1945, on Group A; and since Nov. 15, 1946, on Group C.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 512,396. CUTTER LABORATORIES, Berkeley, Calif. Original filed Nov. 12, 1946, under the act of 1905; amended to application under act of 1946, Apr. 6, 1948. Under section 2f of the act of 1946.

Toxivi

FOR PHARMACEUTICAL PRODUCT FOR TREATMENT OF POISON IVY.

Claims use since February 1924.

Ser. No. 540,217. J. STRICKLAND AND CO., Memphis, Tenn. Filed Nov. 5, 1947.

Estolin

FOR HAND CREAM.

Claims use since Aug. 22, 1947.

Ser. No. 544,243. ANGIER CHEMICAL COMPANY, Allston and Boston, Mass. Filed Dec. 13, 1947.

T-BARDRIN

FOR MEDICINAL PREPARATIONS—NAMELY, RECTAL SUPPOSITORIES FOR USE IN THE TREATMENT OF HAY FEVER AND ASTHMA.

Claims use since Oct. 2, 1947.

Ser. No. 546,937. ALBOSE CHEMICAL COMPANY, Cranston, R. I. Filed Jan. 14, 1948.

SORBIT

FOR WETTING AGENT, PENETRATING AND FOAMING AGENT FOR USE IN PROCESSING TEXTILES, METALS AND FOR ASSISTING IN THE CLEANING OF SOLID SURFACES, FOR WETTING OUT AND DISPERSING SULFUR AND PIGMENTS OR OTHER SOLIDS AND FOR PROVIDING BLANKETING FOAM.

Claims use since October 1932.

Ser. No. 549,562. MCGILL MANUFACTURING COMPANY, INC., Valparaiso, Ind. Filed Feb. 12, 1948.

STAR AND CRESCENT

FOR SOLDERING FLUX IN PASTE FORM AND IN STICK FORM.

Claims use since 1904.

Ser. No. 550,708. LABORATORIES OM S. A., Geneva, Switzerland. Filed Feb. 27, 1948.

OXIREA

Right of priority claimed under section 44d. Applicant claims ownership of Swiss Registration No. 122,562 dated Oct. 11, 1947.

FOR PHARMACEUTICAL AND VETERINARY PREPARATIONS AND SUBSTANCES—NAMELY, AMPOULES CONTAINING A STERILE SOLUTION—STABILIZED AT 190 MILLIVOLTS—OF SODIUM SALTS OF SULPHUROUS ACIDS WITH 2.89% OF ACTIVE REDUCING SULPHUR.

Ser. No. 552,754. DE KAMA, INC., Los Angeles, Calif. Filed Mar. 23, 1948.

De-Kar-Mone

Applicant claims ownership of Registration No. 280,088.
FOR FACE CREAM.
Claims use since 1929.

Ser. No. 552,918. MARGUERITT BETTIS BERRY, Cleveland, Ohio. Filed Mar. 10, 1948.



MADAM W. F. BETTIS

The portrait and the name is that of the applicant's deceased mother.
FOR HAIR DRESS PREPARATION IN THE NATURE OF A SALVE AND AN OIL FOR THE SCALP TO RELIEVE DRYNESS AND DANDRUFF SCALES.
Claims use since Feb. 23, 1948.

Ser. No. 554,929. R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Apr. 17, 1948.

Bismate

FOR RUBBER ACCELERATORS.
Claims use since Mar. 26, 1948.

Ser. No. 554,930. R. T. VANDERBILT COMPANY, INC., New York, N. Y. Filed Apr. 17, 1948.

"Tabform"

FOR RUBBER ACCELERATORS.
Claims use since Mar. 26, 1948.

Ser. No. 559,400. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y. Filed Feb. 21, 1948.

CALTEC

Applicant claims ownership of Registration No. 438,713.
FOR PRECIPITATED CALCIUM CARBONATE TECHNICAL GRADE.
Claims use since May 1946.

Ser. No. 559,568. CARL J. BARTON, doing business as Barton Products, Chicago, Ill. Filed June 18, 1948.

SOLVITE

FOR COMPOSITION CONTAINING CHEMICAL INGREDIENTS FOR RESTORING LOST POWER IN AUTOMOBILE ENGINES BY DISSOLVING GUM AND FREEING STICKY VALVES AND RINGS, AND FOR DISSOLVING GUM AND SLUDGE IN THE CRANKCASE.
Claims use since August 1946.

Ser. No. 560,069. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed June 23, 1948.

Depo

Applicant claims ownership of Registration No. 355,089.
FOR MEDICINAL PREPARATION FOR INJECTION CONTAINING PEANUT OIL, OTHER OILS, GELATIN, AND DEXTROSE, AND HAVING PROLONGED THERAPEUTIC ACTIVITY.
Claims use since Mar. 12, 1948.

Ser. No. 561,152. THE STANDARD OIL COMPANY, Cleveland, Ohio. Filed July 10, 1948.

INDEX

FOR ANTI-DETONATION FLUID FOR INTERNAL COMBUSTION ENGINES.
Claims use since May 19, 1948.

Ser. No. 562,764. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Filed Aug. 4, 1948. Under section 2f of the act of 1946.

Mrs. Lowe's

FOR BLEACH, AMMONIA, AND BLUING.
Claims use since Nov. 1, 1935.

Ser. No. 564,820. DOME CHEMICALS, INC., New York, N. Y. Filed Aug. 28, 1948.

Domeboro

Applicant claims ownership of Registration No. 382,555.
FOR ASTRINGENT AND ANTISEPTIC PREPARATIONS AND OINTMENTS.
Claims use since Apr. 1, 1940.

Ser. No. 564,679. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Apr. 10, 1948.

CRINOGEN

Applicant claims ownership of Registration No. 204,258.
FOR PHARMACEUTICAL PRODUCT, COMBINING ESTROGENIC SUBSTANCES, AND PROGESTERON FOR THE TREATMENT OF SECONDARY AND PRIMARY AMENORRHEA.
Claims use since Feb. 16, 1925.

Ser. No. 565,044. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Sept. 13, 1948.

DISTRACTION

Applicant claims ownership of Registration No. 435,752.
FOR BRILLIANTINE, CREAM COLOGNE, FACE POWDER, AND LIPSTICK.
Claims use since Sept. 1, 1948.

Ser. No. 565,658. J. C. SULLIVAN, doing business as No-Way Products Co., North Little Rock, Ark. Filed Sept. 22, 1948.

NURATEX

FOR PERMANENT TYPE ANTI-FREEZE WITH PROPYLENE GLYCOL BASE.
Claims use since Aug. 12, 1948.

Ser. No. 565,911. COOK CHEMICAL COMPANY, Kansas City, Mo. Filed Sept. 27, 1948.

CERT-O-CIDE

FOR GRAIN FUMIGANT.
Claims use since July 29, 1942.

Ser. No. 566,337. CHARLES B. HAGAMAN, doing business as Medi-Phragm Products, Arvada, Colo. Filed Oct. 2, 1948.

MEDIM

FOR DOUCHE POWDER.
Claims use since Jan. 25, 1946.

Ser. No. 567,331. CUTTER LABORATORIES, Berkeley, Calif. Filed Aug. 24, 1948.

Diptussis (Alhydrox)

Applicant claims ownership of Registration No. 439,299.
FOR ALUMINUM HYDROXIDE ADSORBED BIOLOGICAL PRODUCTS FOR ACTIVE IMMUNIZATION AGAINST DIPHTHERIA AND WHOOPING COUGH.
Claims use since June 1943.

Ser. No. 567,334. CUTTER LABORATORIES, Berkeley, Calif. Filed Aug. 24, 1948.

PEN-TROCHE

The word "Troche" is disclaimed. Applicant claims ownership of Registration No. 439,450.
FOR CALCIUM PENICILLIN TABLETS.
Claims use since September 1945.

Ser. No. 572,379. A. H. ROBINS COMPANY, INC., Richmond, Va. Filed Jan. 18, 1949.

ROBITUSSIN

FOR ANTITUSSIVE PREPARATION PREFERABLY DISPENSED IN LIQUID FORM.
Claims use since Jan. 6, 1949.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 528,185. BENJAMIN AIR RIFLE COMPANY, St. Louis, Mo. Filed July 9, 1947. Under section 2f of the act of 1946.

BENJAMIN

FOR AIR RIFLES AND AIR PISTOLS.
Claims use since June 20, 1899.

Ser. No. 528,187. BENJAMIN AIR RIFLE COMPANY, St. Louis, Mo. Filed July 9, 1947. Under section 2f of the act of 1946.

"BENJAMIN FRANKLIN"

FOR AIR RIFLES AND AIR PISTOLS.
Claims use since Apr. 27, 1934.

Ser. No. 528,188. BENJAMIN AIR RIFLE COMPANY, St. Louis, Mo. Filed July 9, 1947. Under section 2f of the act of 1946.

H C
BENJAMIN

FOR PELLETS FOR AIR RIFLES AND AIR PISTOLS.
Claims use since May 3, 1941.

Ser. No. 526,189. BENJAMIN AIR RIFLE COMPANY, St. Louis, Mo. Filed July 9, 1947. Under section 2f of the act of 1946.

BENJAMIN

FOR PELLETS AND SHOT FOR AIR RIFLES AND PISTOLS.
Claims use since Jan. 4, 1934.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 535,262. THE ROLL-O-MATIC SCREEN COMPANY, Cleveland, Ohio. Filed Sept. 22, 1947.

Roll-O-Matic

The word "Roll" is disclaimed.
FOR COMPLETE WINDOW SCREENS.
Claims use since June 28, 1947.

Ser. No. 549,362. CURTIS COMPANIES INCORPORATED, Clinton, Iowa. Filed Nov. 17, 1947. Under section 2f of the act of 1946

CURTIS

Applicant claims ownership of Registration No. 229,010.
FOR SASHES, DOORS, BLINDS, STAIRWAYS, WOODEN MOLDINGS, WOODEN FRAMES FOR DOORS AND WINDOWS, STRUCTURAL WOODEN BRACKETS, WOODEN BANNISTERS, WOODEN COLUMNS AND NEWELS, PORCH RAILS, PERMANENT BUILT-IN SIDEBOARDS, PERMANENT BUILT-IN BUFFETS, PERMANENT BUILT-IN PEDESTALS, PERMANENT BUILT-IN BOOKCASES, BUILT-IN MANTEL SHELVES, BUILT-IN KITCHEN CUPBOARDS, PANELING, FLOORING, WOODEN STORE FRONTS, COMPLETE STAIRS, STAIR PARTS, BUILT-IN CHINA CLOSETS, BUILT-IN DINING ROOM ALCOVES, BUILT-IN BREAKFAST NOOKS, BUILT-IN MEDICINE CASES, BUILT-IN HANGING CASES, BUILT-IN MANTELS, BUILT-IN TRAY CASES, BUILT-IN LINEN CASES, BUILT-IN DRESSING TABLES, PORCH COLUMNS, PORCH NEWELS, PORCH BRACKETS, PORCH BALUSTERS, WINDOWS, SCREEN DOORS AND BUILT-IN SCREEN WINDOWS, DOOR-FRAMES AND WINDOW FRAMES, ENTRANCE FRAMES, INTERIOR AND EXTERIOR MOLDINGS, DOOR AND WINDOW TRIM.
Claims use since June 1913.

Ser. No. 550,119. THE CELOTEX CORPORATION, Chicago, Ill. Filed Feb. 19, 1948. CERTIFICATION MARK.

CELOCRETE

Applicant claims ownership of Registrations Nos. 400,822 and 402,564.
FOR CONCRETE BUILDING UNITS COMPRISING PRINCIPALLY CEMENT AND EXPANDED SLAG AGGREGATE.
Claims use since Dec. 10, 1941.

Ser. No. 551,254. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass. Filed Mar. 6, 1948. Under section 2f of the act of 1946.

EASTERN STATES

Applicant claims ownership of Registrations Nos. 177,379, 184,503, 185,714, 187,373, 317,158, 320,294, 326,035, 326,037, 330,285, and 347,726.
FOR ROOL ROOFING, ASPHALT SHINGLES, ASPHALT AND FIBRE CEMENTS IN PLASTIC AND LIQUID FORM FOR ROOFING AND SIMILAR PURPOSES, OVERLAP ROOFING CEMENT AND ASPHALTUM WATERPROOFING AND CORROSION RESISTING COMPOUNDS.
Claims use since May 1, 1940.

Ser. No. 552,576. CRAWFORD DOOR COMPANY, Detroit, Mich. Filed Mar. 20, 1948.

DOORMASTER

FOR COMPLETE UPWARD-ACTING DOOR INSTALLATIONS COMPRISING DOOR AND HARDWARE.
Claims use since Oct. 1, 1947.

Ser. No. 554,768. THE CLEVELAND BUILDERS SUPPLY COMPANY, Cleveland, Ohio. Filed Apr. 16, 1948.

DURABLOX

FOR CONCRETE BUILDING BLOCKS.
Claims use since Mar. 4, 1948.

Ser. No. 566,965. BERKS BUILDING BLOCK CORPORATION, Reading, Pa., Trenton, N. J., and Philadelphia, Pa. Filed Oct. 14, 1948.

DURABLOK

FOR CONCRETE BUILDING BLOCKS.
Claims use since Sept. 21, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 541,532. STANLEY G. FLAGG & CO., INC., Philadelphia, Pa. Filed Nov. 18, 1947. Under section 2f of the act of 1946, as to "Flagg."

FLAGG-FLOW

No claim is made to right to registration of the word "Flow" apart from the mark as shown in the drawing.
Applicant claims ownership of Registrations Nos. 327,570 and 354,484.
FOR PIPE FITTINGS.
Claims use since July 1866 as to the name "Flagg"; and since Nov. 25, 1946, as shown.

Ser. No. 543,510. MICHAEL J. MORAN, doing business as Moran Standard Parts Company, Detroit, Mich. Filed Dec. 6, 1947.

Rotor Rocket

The word "Rotor" is disclaimed.
FOR LAWN SPRINKLERS.
Claims use since Dec. 29, 1945.

Ser. No. 545,088. CONTINENTAL STEEL CORPORATION, Kokomo, Ind. Filed Dec. 22, 1947.

PIONEER

Applicant claims ownership of Registration No. 215,230.
FOR FENCING—VIZ., FARM AND POULTRY FENCE AND ORNAMENTAL FENCE MADE OF WIRE AND IRON, AND GATES THEREFOR OF THE SAME MATERIALS.
Claims use since June 2, 1905.

Ser. No. 545,660. TINNERMAN PRODUCTS, INC., Cleveland, Ohio. Filed Dec. 29, 1947.

Speed Hinge

The representation of the goods and the word "Hinge" are disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 244,038, 347,986, 352,168, and 352,197.
FOR METAL CLIPS AND METAL FASTENERS USED AS HINGES.
Claims use since Dec. 23, 1947.

Ser. No. 551,713. KENNEY MANUFACTURING COMPANY, Cranston, R. I. Filed Mar. 11, 1948. Under section 2f of the act of 1946.

Kenney

Applicant claims ownership of Registration No. 409,429.
FOR METAL CURTAIN RODS, DRAPERY HARDWARE, AND WINDOW SHADE HARDWARE.
Claims use since June 1915.

Ser. No. 551,721. CHARLES RICHARD NAGEL, doing business as Arnagel Industries, Burbank, Calif. Filed Mar. 11, 1948.

ARNAGEL

FOR SCREEN DOOR GUARDS.
Claims use since December 1934.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 547,089. THE H. A. WILSON COMPANY, Newark, N. J. Filed Jan. 14, 1948. Under section 2f of the act of 1946.

LOFLEX

FOR THERMOSTATIC BIMETALS.
Claims use since 1943.

Ser. No. 556,110. MADISON-KIPP CORPORATION, Madison, Wis. Filed May 3, 1948. Under section 2f of the act of 1946.

Kipp

Applicant claims ownership of Registration No. 408,224.
FOR DIE CASTINGS UNFINISHED EXCEPT TO THE EXTENT THAT THE CASTING GATE AND CASTING FINS ARE USUALLY REMOVED.
Claims use since Apr. 16, 1943.

Ser. No. 561,072. BOWSTEEL DISTRIBUTORS CORPORATION, Newark and Linden, N. J. Filed July 10, 1948.

BOWSTEEL

The word "Steel" is disclaimed.
FOR STEEL SHEETS AND FERROUS METAL BARS.
Claims use since Apr. 19, 1948.

Ser. No. 561,848. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed July 21, 1948.

ADDWEAR

Applicant claims ownership of Registration No. 317,376.
FOR METAL WELDING ELECTRODES.
Claims use since Apr. 14, 1934.

Ser. No. 565,632. KOPPERS COMPANY, INC., Pittsburgh, Pa., and Baltimore, Md. Filed Sept. 22, 1948. Under section 2f of the act of 1946, as to "Koppers."

KOPPERS

Applicant claims ownership of Registrations Nos. 160,223, 160,224, and others.
FOR BRONZE CASTING AND FORGING ALLOYS.
Claims use since Nov. 15, 1921.

Ser. No. 565,897. JONAS & COLVER (NOVO) LIMITED, Sheffield, England. Filed Sept. 28, 1948.

NOVO

Applicant claims ownership of British Registration No. 284118/41788 dated June 28, 1906.
FOR IRON AND STEEL.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 500,744. DOHRMANN HOTEL SUPPLY CO., San Francisco, Calif. Original filed Apr. 23, 1948, under the act of 1905; amended to application under act of 1946, Nov. 12, 1947.

DOHRCO

FOR JANITORIAL SUPPLIES—NAMELY, FLOOR WAX.
Claims use since Mar. 1, 1928.

Ser. No. 526,150. STEARNS-MCKAY MANUFACTURING COMPANY, Boston, Mass. Filed July 8, 1947. Under section 2f of the act of 1946.

MARBLEHEAD

Applicant claims ownership of Registration No. 135,574.
FOR READY-MIXED ANTI-FOULING COMPOSITIONS OR PAINTS FOR MARINE USE.
Claims use since 1905.

Ser. No. 530,188. GILMORE & NOLAN, INC., Los Angeles, Calif. Filed Aug. 1, 1947.



Applicant disclaims exclusive right to the use of the words "High Cover" except in connection with the mark as shown.
FOR BAKING AND PAINT ENAMELS, PASTE AND LIQUID PAINTS, VARNISHES, AND PAINT THINNERS.
Claims use since Jan. 2, 1947.

Ser. No. 531,826. PATEK BROTHERS, INC., Milwaukee, Wis. Filed Aug. 19, 1947. Under section 2f of the act of 1946.

WEARPROOF

Applicant claims ownership of Registration No. 145,897.
FOR PAINT SOLD IN LIQUID FORM, PAINT AND BAKING ENAMEL, VARNISH, DRYING OILS, AND WAXES FOR COATING LINOLEUM, WOOD, AND COMPOSITION MATERIALS.
Claims use since Sept. 1, 1918.

Ser. No. 532,204. BOWES "SEAL-FAST" CORPORATION, Indianapolis, Ind. Filed Aug. 23, 1947. Under section 2f of the act of 1946.

BOWES
SEAL FAST

FOR TIRE WALL PAINT; AUTOMOBILE TOP FINISH IN THE NATURE OF A PAINT; AND AUTOMOBILE FINISH CLEANER AND POLISH WITH WAX PREDOMINANT FOR A WAX SURFACE COATING.
Claims use since Jan. 1, 1925.

Ser. No. 535,544. J. F. KURFEES PAINT COMPANY, Louisville, Ky. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

KURFEES

Applicant claims ownership of Registrations Nos. 360,163 and 143,856.
FOR PREPARED OR READY-MIXED LIQUID PAINT ENAMELS, PREPARED OR READY-MIXED LIQUID PAINTS, PREPARED OR READY MIXED LIQUID PAINT PRIMERS, UNDERCOATS FOR LIQUID PAINTS AND PAINT ENAMELS, PAINTS IN PASTE FORM, PAINTS IN POWDER FORM, CLEAR VARNISHES, ASPHALTUM VARNISHES, VARNISH SIZES, CREOSOTE SHINGLE, OIL AND VARNISH STAINS, WOOD FILLERS IN LIQUID AND PASTE FORM, WOOD SEALERS FOR USE BY PAINTERS, GLOSS BLACK PAINT ENAMEL DRESSINGS OR FINISHES FOR AUTOMOBILE LEATHER AND RUBBER TOPS AND CURTAINS, LACQUERS, LIQUID COATING AND POLISHING COMPOUNDS CONTAINING WAX, DRIERS, LIQUID SHELLAC, LIQUID PAINT AND VARNISH REMOVERS, AND LIQUID PAINT BRUSH CLEANERS CONTAINING PAINT SOLVENTS.
Claims use since Feb. 12, 1938.

Ser. No. 535,561. J. F. KURFEES PAINT COMPANY, Louisville, Ky. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

KURFEES

Applicant claims ownership of Registrations Nos. 143,856 and 360,163.
FOR PREPARED OR READY-MIXED LIQUID PAINT ENAMELS, PREPARED OR READY-MIXED LIQUID PAINTS, PREPARED OR READY MIXED LIQUID PAINT PRIMERS, UNDERCOATS FOR LIQUID PAINTS AND PAINT ENAMELS, PAINTS IN PASTE FORM, PAINTS IN POWDER FORM, CLEAR VARNISHES, ASPHALTUM VARNISHES, VARNISH SIZES, CREOSOTE SHINGLE, OIL AND VARNISH STAINS, WOOD FILLERS IN LIQUID AND PASTE FORM, WOOD SEALERS FOR USE BY PAINTERS, GLOSS BLACK PAINT ENAMEL DRESSINGS OR FINISHES FOR THE LEATHER AND RUBBER TOPS AND CURTAINS OF AUTOMOBILES, LACQUERS, LIQUID COATING AND POLISHING COMPOUNDS CONTAINING WAX, DRIERS, LIQUID SHELLAC, LIQUID PAINT AND VARNISH REMOVERS, AND LIQUID PAINT BRUSH CLEANERS CONTAINING PAINT SOLVENTS.
Claims use since Jan. 1, 1907.

Ser. No. 535,567. J. F. KURFEES PAINT COMPANY, Louisville, Ky. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

KURFEES

Applicant claims ownership of Registrations Nos. 360,163 and 143,856.
FOR PREPARED OR READY-MIXED LIQUID PAINT ENAMELS, PREPARED OR READY-MIXED LIQUID PAINTS, PREPARED OR READY-MIXED LIQUID PAINT PRIMERS, UNDERCOATS FOR LIQUID PAINTS AND PAINT ENAMELS, PAINTS IN PASTE FORM, PAINTS IN POWDER FORM, CLEAR VARNISHES, ASPHALTUM VARNISHES, VARNISH SIZES, CREOSOTE SHINGLE, OIL AND VARNISH STAINS, WOOD FILLERS IN LIQUID AND PASTE FORM, WOOD SEALERS FOR USE BY PAINTERS, GLOSS BLACK PAINT ENAMEL DRESSINGS OR FINISHES FOR AUTOMOBILE LEATHER AND RUBBER TOPS AND CURTAINS, LACQUERS, LIQUID COATING AND POLISHING COMPOUNDS CONTAINING WAX, DRIERS, LIQUID SHELLAC, LIQUID PAINT AND VARNISH REMOVERS, AND LIQUID PAINT BRUSH CLEANERS CONTAINING PAINT SOLVENTS.
Claims use since Feb. 12, 1938.

Ser. No. 537,648. AMERICAN PIPE AND CONSTRUCTION CO., Los Angeles, Calif. Filed Oct. 13, 1947.

Amercoat

Applicant claims ownership of Registration No. 349,610.
FOR MARINE FINISHES IN THE FORM OF ANTI-FOULING PAINT.
Claims use since Jan. 1, 1936.

Ser. No. 538,291. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y. Filed Oct. 18, 1947.

KEY-TONE

The word "Tone" is disclaimed apart from the mark.
Applicant claims ownership of Registrations Nos. 55,506, 62,662, 63,625, 72,686, 76,718, 207,346, 222,531, 231,184, 234,684, 238,774, and 391,275.
FOR READY-MIXED PAINTS.
Claims use since Sept. 15, 1947.

Ser. No. 536,787. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa. Filed Oct. 23, 1947.



Applicant claims ownership of Registrations Nos. 115,974 and 224,821.

FOR PAINTS (READY-MIXED, PASTE, OR DRY FORM); VARNISHES; PAINT ENAMELS; LACQUERS; UNDERCOATERS IN THE NATURE OF PAINTS, VARNISHES, PAINT ENAMELS, AND LACQUERS; THINNERS FOR PAINTS, VARNISHES, PAINT ENAMELS, AND LACQUERS; AND PAINT AND VARNISH REMOVERS (LIQUID, PASTE, OR DRY FORM).

Claims use since Jan. 1, 1886.

Ser. No. 540,616. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill. Filed Nov. 10, 1947.

ARMELLO

FOR READY-MIXED PAINTS.
Claims use since Feb. 25, 1925.

Ser. No. 540,622. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill. Filed Nov. 10, 1947.

ARMLAC

FOR LACQUER.
Claims use since 1922.

Ser. No. 540,679. KLIMATE-PRUF PAINT COMPANY, INC., Greensboro, N. C. Filed Nov. 10, 1947. Under section 2f of the act of 1946.

Klimate-Pruf

FOR INTERIOR AND EXTERIOR PASTE AND READY-MIXED PAINTS, PAINT ENAMELS, VARNISHES, STAINS, SPAR VARNISH, FLOOR ENAMELS, FLOOR WAX, PAINT OILS, AND THINNERS, MILL WHITE, MASONRY AND ALUMINUM PAINTS, AND WATERPROOFING PREPARATIONS IN THE NATURE OF PAINT.

Claims use since June 9, 1926.

Ser. No. 540,857. THE NORTH AMERICAN FIBRE PRODUCTS CO., Cleveland, Ohio. Filed Nov. 12, 1947.



FOR INDUSTRIAL HEAT AND FLAME PROTECTED METAL PAINT; READY MIXED HOUSE PAINT; BARN, ROOF, AND BRIDGE PAINT; HEAT RESISTING PAINT; CONCRETE WATERPROOFING CEMENT PAINT; PORCH AND FLOOR PAINT; WHITE PASTE PAINT; AMMONIA PIPE PAINT; ASBESTOS FIBRE FIRE-RESISTING, LEAK-PROOFING AND WATERPROOFING COATING MATERIAL; UNDER-COATING COMPOUND AND PRIMER FOR COATING MATERIAL; INTERIOR VARNISH; FLOOR AND LINOLEUM VARNISH; EXTERIOR VARNISH; FURNITURE VARNISH; TINNER'S RED; SHINGLE STAINS; ALUMINUM PAINT, VEHICLE, AND/OR PASTE THEREFOR.

Claims use since Oct. 18, 1915.

Ser. No. 540,877. REPUBLIC PAINT & VARNISH CO., Chicago, Ill. Filed Nov. 12, 1947. Under section 2f of the act of 1946.

JIFFY-CUT

FOR PAINT AND VARNISH REMOVER SOLD IN PASTE FORM.
Claims use since Apr. 15, 1937.

Ser. No. 541,382. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill. Filed Nov. 17, 1947.

PLASTIFLAT

FOR READY-MIXED PAINTS SOLD IN LIQUID FORM PARTICULARLY SUITABLE AS INTERIOR WALL PAINT.
Claims use since Sept. 15, 1943.

Ser. No. 541,451. REPUBLIC PAINT & VARNISH CO., Chicago, Ill. Filed Nov. 17, 1947.

VANI-TONE

Applicant disclaims exclusive use of the word "Tone" apart from the mark as shown.

FOR WATER-MIXED, WASHABLE, QUICK DRYING EMULSIFIED RESIN PAINTS SUITABLE FOR INTERIOR FINISH AND READY-MIXED PAINTS SOLD IN LIQUID FORM.

Claims use since Dec. 3, 1942.

Ser. No. 541,453. REPUBLIC PAINT & VARNISH CO., Chicago, Ill. Filed Nov. 17, 1947.

TUNG-ALTUM

The word "Tung" is disclaimed apart from the mark.

FOR UTILITY PAINT AND ASPHALT BASE ALUMINUM PAINT.

Claims use since 1922.

Ser. No. 541,460. REPUBLIC PAINT & VARNISH CO., Chicago, Ill. Filed Nov. 17, 1947. Under section 2f of the act of 1946.

SUR-FILL

FOR FLOOR SURFACE COATING IN THE NATURE OF VARNISH AND WHICH MAY BE USED IN PLACE OF SHELLAC OR VARNISH, BOTH AS A FIRST COAT OR UNDERCOAT FINISH FOR VARNISH.

Claims use since 1922.

Ser. No. 541,701. PRODUITS CHIMIQUES DE LIEGE, Bois-de-Breux (near Liege), Belgium. Filed Nov. 19, 1947.

Watteau

The mark "Watteau" refers to the celebrated French painter, Antoine Watteau, deceased. Applicant claims ownership of Belgian Registration No. 5,590, dated Jan. 12, 1944.

FOR COLORING MATERIALS FOR ARTISTS, SUCH AS PREPARED WITH OIL OR WATER, GOUACHES, WATER-COLORS, PASTELS, VARNISHES, PAINT DRYING AGENTS FOR ART WORK AND ALL PAINT USES.

Ser. No. 544,182. VANE-CALVERT PAINT COMPANY, St. Louis, Mo. Filed Dec. 11, 1947. Under section 2f of the act of 1946.

VANE-CALVERT'S

FOR READY-MIXED OIL PAINTS, VARNISHES, VARNISH STAINS, OIL STAINS, PAINT ENAMELS, AND WALL FINISHES FOR INTERIORS.

Claims use since 1867.

Ser. No. 544,274. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Dec. 13, 1947.

FORITE

FOR LIQUID LACQUERS AND ENAMELS.
Claims use since Mar. 28, 1938.

Ser. No. 544,281. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Dec. 13, 1947.

WEBITE

FOR LIQUID PAINT ENAMELS.
Claims use since Apr. 4, 1938.

Ser. No. 549,022. EDWARD SMITH & CO., INC., New York, N. Y. Filed Feb. 6, 1948.

IXL

FOR INTERIOR VARNISH.
Claims use since 1890.

Ser. No. 549,023. EDWARD SMITH & CO., INC., New York, N. Y. Filed Feb. 6, 1948.

LOXOIL

FOR VARNISH EXTENDER.
Claims use since 1934.

Ser. No. 551,162. CARBOLITE CORPORATION, Maywood, Ill. Filed Mar. 4, 1948.

SWAX

FOR CLEANSING AND WAXING PREPARATION FOR WALLS, FLOORS, FURNITURE, AND OTHER SURFACES.

Claims use since July 1947.

Ser. No. 552,618. ROBERT MATHEW STEPHENSON, doing business as Stephenson Air Brush Paint Co., Oakland, Calif. Filed Mar. 20, 1948.

PERMA-DRI

The word "Dri" is disclaimed apart from the mark.

FOR READY-MIXED, LIQUID, AND OIL PAINTS AND PAINT COATINGS.

Claims use since Sept. 18, 1947.

Ser. No. 553,044. C. A. WOOLSEY PAINT & COLOR CO. INC., New York, N. Y. Filed Mar. 25, 1948.

Vimlast

FOR READY-MIXED PAINTS AND PAINT THINNER OR SOLVENT RECOMMENDED FOR USE IN PAINTING SHIP BOTTOMS AND HULLS.

Claims use since February 1948.

CLASS 19

VEHICLES

Ser. No. 526,668. FRANK E. GAINES, doing business as Aerol Co., Los Angeles, Calif., assignor to Aerol Co. Inc., Los Angeles, Calif., a corporation of California. Filed July 6, 1947.

AEROL

FOR HAND TRUCKS AND WHEELS THEREFOR.
Claims use since July 1946.

Ser. No. 545,809. AMERICAN STEEL FOUNDRIES, Chicago, Ill. Filed Dec. 31, 1947.

SIMPLEX

Applicant claims ownership of Registrations Nos. 217,699 and 296,593.
FOR RAILWAY CAR SPRINGS, DAMPERS, SNUBBERS, COUPLERS, AND BRAKE RIGGING AND PARTS THEREOF—NAMELY, BRAKE HEADS, BRAKE BEAMS, BRAKE HANGERS, AND BRAKE LEVERS.
Claims use since Aug. 1, 1897.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 508,390. REINHARD BROTHERS COMPANY, Minneapolis, Minn. Original filed Aug. 31, 1946, under the act of 1905; amended to application under act of 1946, Mar. 3, 1948. Under section 2f of the act of 1946.

HOUSE OF REINHARD

FOR RADIO RECEIVING AND TRANSMITTING SETS, RADIO TUBES, AND PARTS USED IN THE MAINTENANCE OF SUCH APPARATUS.
Claims use since Apr. 15, 1925.

Ser. No. 516,776. LEWYT CORPORATION, Brooklyn, N. Y. Original filed Feb. 1, 1947, under the act of 1905; amended to application under act of 1946, Oct. 1, 1947. Under section 2f of the act of 1946.

Lewyt

FOR ELECTRICALLY DRIVEN VACUUM CLEANERS AND ACCESSORIES AND ATTACHMENTS THEREFOR, INCLUDING RUG NOZZLES, FLOOR AND WALL BRUSHES, UPHOLSTERY AND DRAPERY NOZZLES, DUSTING BRUSHES, CREVICE TOOLS, LIQUID SPRAYERS, AND MOTH SUFFOCATORS SOLD AS A UNIT.
Claims use since Oct. 3, 1946.

Ser. No. 526,934. KWIKON COMPANY, Chicago, Ill. Filed July 19, 1947. Under section 2 of the act of 1946.

NO-BOLT

Applicant claims ownership of Registration No. 212,018.
FOR FIXTURE STUDS FOR SECURING ELECTROLIERS AND THE LIKE TO ELECTRICAL OUTLET BOXES.
Claims use since Mar. 8, 1921.

Ser. No. 532,088. AMERICAN BATTERY MFG. COMPANY, Kansas City, Mo. Filed Aug. 22, 1947.

Nitro

FOR ELECTRIC STORAGE BATTERIES.
Claims use since Aug. 26, 1926.

Ser. No. 532,834. THE LEECE-NEVILLE COMPANY, Cleveland, Ohio. Filed Aug. 29, 1947. Under section 2f of the act of 1946.

ELECTRICAL EQUIPMENT
LEECE-NEVILLE
CLEVELAND · OHIO · U.S.A.

All of the wording other than the words "Leece-Neville" is disclaimed. Applicant claims ownership of Registration No. 426,051.
FOR ELECTRICAL APPARATUS—NAMELY, CRANKING MOTORS; GENERATORS; ARMATURES; COMMUTATORS; FIELD COILS; FIELD RINGS; BRUSH RIGGINGS; MOTOR AND GENERATOR HOUSINGS; BRUSHES; RELAYS; CIRCUIT BREAKERS; SWITCHES; CUTOUT RELAYS; VOLTAGE REGULATORS; ELECTRIC MOTORS; MAGNETIC SWITCHES; AND FLEXIBLE DRIVE COUPLINGS FOR GENERATORS.
Claims use since February 1910.

Ser. No. 535,380. THE BRISTOL MOTOR COMPANY, Bristol, Conn. Filed Sept. 23, 1947.

CIRCLE B BRISTOL

No claim is made to the exclusive right to the word "Bristol" apart from the mark as shown.
FOR ELECTRICAL SYNCHRONOUS TIMING MOTOR AND COMPONENT PARTS THEREOF.
Claims use since Sept. 20, 1946.

Ser. No. 540,222. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa. Filed Nov. 5, 1947.

Precipitron

Applicant claims ownership of Registration No. 359,506.
FOR CLEANING AND CONDITIONING APPARATUS FOR THE REMOVAL BY ELECTROSTATIC PRECIPITATION OF PARTICULATE MATTER FROM GASES AND PARTICULARLY AIR FOR HOMES, OFFICES, AND PUBLIC AND INDUSTRIAL BUILDINGS.
Claims use since Nov. 9, 1937.

Ser. No. 542,103. EAGLE ELECTRONICS, INC., Irvington, N. Y. Filed Nov. 24, 1947.

PICT-O-GRAPH

Applicant makes no claim to the word "Radio Kits," apart from the mark.
FOR ELECTRONIC EQUIPMENT CONSTRUCTION KITS—NAMELY, RADIO RECEIVER CONSTRUCTION KITS, AMPLIFIER CONSTRUCTION KITS, CODE RECEIVING OSCILLATOR CONSTRUCTION KITS, WIRELESS PHONOGRAPH OSCILLATOR CONSTRUCTION KITS, TELEVISION RECEIVER CONSTRUCTION KITS, AND FOR RADIO DIAL SCALES AND CHASSIS AND FOR TELEPHONE AND RADIO RECEIVERS, AMPLIFIERS, CODE RECEIVER OSCILLATORS, AND WIRELESS PHONOGRAPH OSCILLATORS.
Claims use since April 1947.

Ser. No. 542,702. UNITED STATES TELEVISION MANUFACTURING CORPORATION, New York, N. Y. Filed Nov. 28, 1947.



The lining in the drawing is intended to represent the colors blue and gold. Applicant claims ownership of Registration No. 423,519.
FOR TELEVISION RECEIVERS.
Claims use since Oct. 16, 1945.

Ser. No. 550,615. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 26, 1948.



FOR ELECTRIC BLANKETS.
Claims use since Nov. 1, 1946.

Ser. No. 552,163. PREMIER INDUSTRIES CORPORATION, New York, N. Y. Filed Mar. 17, 1948.

PIC A CHAMPION

FOR ELECTRICALLY DRIVEN MIXER FOR LIQUID DRINKS.
Claims use since Feb. 16, 1948.

Ser. No. 552,971. GENERAL CERAMICS & STEATITE CORPORATION, Keasbey, N. J. Filed Mar. 25, 1948.

ISOLANTITE

FOR CERAMIC COMPOSITIONS USED FOR ELECTRICAL INSULATION.
Claims use since Mar. 2, 1948.

Ser. No. 553,457. THE E. W. CARPENTER MANUFACTURING COMPANY, Bridgeport, Conn. Filed Mar. 31, 1948.

ROYSON

FOR ELECTRICALLY OPERATED SIGNAL LIGHTS FOR USE ON AUTOMOBILES.
Claims use since May 23, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 527,773. THE WORTHINGTON BALL COMPANY, Elyria, Ohio. Filed July 5, 1947.

SUPER-CHARGED

Applicant claims ownership of Registration No. 397,142.
FOR GOLF BALLS.
Claims use since May 10, 1940.

Ser. No. 535,809. CHILDHOOD INTERESTS, INC., Roselle Park, N. J. Filed Sept. 26, 1947.

CRADLE BOUNCE

The letters of the words constituting the mark as applied to the goods are ordinarily of red color, but no limitation to this color is intended. Applicant claims ownership of Registrations Nos. 403,047 and 428,732.
FOR TOY FOR CHILDREN COMPRISING A TETHERED BALL ADAPTED FOR SUSPENSION FROM THE SIDE OF A CRIB, PLAY PEN, OR THE LIKE.
Claims use since Oct. 15, 1946.

Ser. No. 549,007. SCHUCO TOY CO. INC., New York, N. Y. Filed Feb. 6, 1948.

Schuco

FOR MECHANICAL TOYS—NAMELY, MANUALLY OPERATED, SPRING OPERATED, OR ELECTRICALLY OPERATED VEHICLES, TOOLS, MACHINES, TOY GARAGES, STATIONS, AND OTHER BUILDING STRUCTURES; ANIMAL AND HUMAN TOY FIGURES WITH AND WITHOUT DRIVE MECHANISM; PARTS OF MECHANICAL TOYS AND FIGURES; EDUCATIONAL TOYS INCLUDING ELECTRICAL OR MECHANICAL ACTUATING MEANS; MANUALLY, MECHANICALLY, OR ELECTRICALLY ACTUATED TABLE GAMES FOR CHILDREN.
Claims use since Aug. 22, 1921.

Ser. No. 551,909. JOHN S. NORRINGTON, San Francisco, Calif. Filed Mar. 13, 1948.

D Tee

The representation of a golf tee and the word "Tee" are disclaimed apart from the mark as shown.
FOR GOLF TEES.
Claims use since Jan. 3, 1948.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 501,221. WESTERN GEAR WORKS, Seattle, Wash. Original filed Apr. 30, 1946, under the act of 1905; amended to application under act of 1946, Jan. 24, 1948.

TORQ-MASTER

The expression "Torq" is disclaimed separate and apart from the mark as shown.
FOR MACHINE PROVIDING CHANGE-SPEED GEARS IN COMPLEMENT WITH A FLY-WHEEL AND EMPLOYED FOR TRANSMITTING THE POWER OF A FLUID-DRIVE ENGINE, THE MACHINE BEING ESPECIALLY APPLICABLE TO LOGGING OPERATIONS AS A YARDER.
Claims use since June 28, 1945.

Ser. No. 516,913. E. PAILLARD & CIE S. A., Sainte-Croix and Yverdon, Switzerland, now by change of name Paillard S. A. (Paillard A. G., Paillard Limited). Original filed Feb. 4, 1947, under the act of 1905; amended to application under act of 1946, Feb. 13, 1948. Under section 2f of the act of 1946.

paillard

Applicant claims ownership of Swiss Registration No. 116,110, dated July 1, 1946.
FOR TYPEWRITERS, OFFICE MACHINES—NAMELY, ERASING MACHINES, BOOK BINDING MACHINES, MULTIGRAPHING MACHINES, MACHINES FOR SEALING ENVELOPES, ADDRESSING MACHINES, MACHINES FOR OPENING ENVELOPES, CHECK WRITERS, AND PARTS AND ACCESSORIES THEREFOR, STAPLING MACHINES FOR APPLYING STAPLES OR CLIPS TO PAPER OR LIKE SHEET MATERIAL, PERFORATING MACHINES FOR PUNCHING HOLES IN PAPER OR LIKE SHEET MATERIAL, CUTTING AND SHEARING MACHINES FOR CUTTING OR TRIMMING PAPER OR LIKE SHEET MATERIAL.

Ser. No. 524,463. HOLLY MOLDING DEVICES, INC., Chicago, Ill. Original filed June 19, 1947, under the act of 1905; amended to application under act of 1946, Feb. 14, 1948.

Holly matic

FOR AUTOMATIC ELECTRICALLY OPERATED HAMBURGER PATTY MOLDING MACHINE.
Claims use since July 19, 1945.

Ser. No. 529,111. SUNNEN PRODUCTS COMPANY, St. Louis, Mo. Filed July 21, 1947. Under section 2f of the act of 1946.

SUNNEN

FOR CYLINDER GRINDERS, HONING, GRINDING, AND ABRADING MACHINES AND PARTS THEREOF, EXHAUST DEVICES FOR CYLINDER GRINDERS, VALVE SPRING LIFTERS, VALVE SPRING COMPRESSORS, VALVE SPRING CLIPS, SPLIT LOCK COMPRESSORS, SPLIT LOCK CATCHERS, SPLIT LOCK REPLACERS, AND HAND TOOLS FOR USE IN REPAIRING ENGINES.
Claims use since Apr. 15, 1928.

Ser. No. 530,970. ARTHUR R. SEGAL, doing business as North American Products Company, Milwaukee, Wis. Filed Aug. 9, 1947.

NORTH AMERICAN WOODSMAN

No claim is made for use of the words "North American" apart from the mark as shown.
FOR CARBIDE TIPPED CIRCULAR SAWS.
Claims use since May 1947.

Ser. No. 532,840. MADISON-KIPP CORPORATION, Madison, Wis. Filed Aug. 29, 1947. Under section 2f of the act of 1946.

Kipp

Applicant claims ownership of Registration No. 286,075.
FOR PRESSURE-FLUID OPERATED GRINDING, CUTTING, BUFFING, CLEANING, AND POLISHING TOOLS, PARTS, REPLACEMENTS, AND ACCESSORIES—NAMELY, CUTTERS, MOUNTED WIRE BRUSHES, WIRE BRUSH HOLDERS, ABRASIVE SLEEVE HOLDERS, ABRASIVE TUBES, MOUNTED TIPS, MOUNTED GRINDING WHEELS, MOUNTED POINTS, MOUNTED SMOOTHING STONES, FELT BUFFING TIPS, TOOL POST ADAPTERS, GRINDING WHEEL GUARDS, DIAMOND POINT WHEEL DRESSERS, OIL GUNS, GRINDING HOODS, TOOL HOLDERS, AND TOOL SET HOLDERS.
Claims use since Feb. 3, 1930.

Ser. No. 533,041. THE MOTO-MOWER COMPANY, Detroit, Mich. Filed Sept. 2, 1947. Under section 2f of the act of 1946 as to "Moto".

Moto-Mower

The word "Mower" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 148,261 and 387,855.
FOR POWER-DRIVEN LAWNMOWERS.
Claims use since Sept. 1, 1919.

Ser. No. 533,189. MUTUAL STATIONERS SUPPLY CORPORATION, New York, N. Y. Filed Sept. 3, 1947.

Centamatic

FOR HAND OPERATED HAND PUNCHES.
Claims use since July 1, 1947.

Ser. No. 533,560. GENERAL BINDING CORPORATION, Chicago, Ill. Filed Sept. 5, 1947.

G. B. C.

FOR MACHINES FOR ATTACHING METAL AND/OR PLASTIC BINDING ELEMENTS TO THE ARTICLE TO BE BOUND.
Claims use since November 1942.

Ser. No. 533,777. ROBBINS & MYERS, INC., Springfield, Ohio. Filed Sept. 8, 1947.

ACE

FOR OVERHEAD HOISTS.
Claims use since Dec. 1, 1929.

Ser. No. 534,062. SPARTAN SAW WORKS, INC., Springfield, Mass. Filed Sept. 10, 1947.

Sparground

FOR TOOL BITS.
Claims use since July 28, 1947.

Ser. No. 534,208. THE TORRINGTON MANUFACTURING COMPANY, Torrington, Conn. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

TORRINGTON

FOR SHEET METAL COILING MACHINES, SHEET METAL EDGE TRIMMING MACHINES, SHEET METAL FLATTENING MACHINES, SHEET METAL SLITTING MACHINES, SLAB MILLING MACHINES, STRAIGHTENING AND SANDING MACHINES FOR METAL BARS, STRETCHING MACHINES FOR LEVELING OR FLATTENING SHEET METAL, TUBE AND ROD STRAIGHTENING MACHINES, WIRE DRAWING MACHINES, WIRE SPRING FORMING MACHINES, WIRE SPRING GRINDING MACHINES, AND WATER COOLED MOLDS FOR CASTING NON-FERROUS METALS.
Claims use since 1928.

Ser. No. 539,624. ATHENS PLOW COMPANY, Athens, Tenn. Filed Oct. 31, 1947. Under section 2f of the act of 1946.

ATHENS

FOR PLOWS, HARROWS, TILLERS, AND SUBSOILERS.
Claims use since 1921.

Ser. No. 541,198. FRANS KARL SCHNEIDER, doing business as Albion Engineering Co., Philadelphia, Pa. Filed Nov. 14, 1947. Under section 2f of the act of 1946.

ALBION

FOR CAULKING GUNS.
Claims use since Dec. 23, 1932.

Ser. No. 545,338. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn. Filed Dec. 24, 1947.

TECHNAGON

FOR HANDLES OF HAMMERS.
Claims use since Dec. 12, 1947.

Ser. No. 551,309. POWER DEVELOPMENT CO., INC., Cleveland, Ohio. Filed Mar. 5, 1948.

SCIMITAR

FOR LAWN MOWERS, POWER DRIVEN.
Claims use since June 1947.

Ser. No. 551,483. SIMPLEX PISTON RING MFG. COMPANY, Cleveland, Ohio. Filed Mar. 8, 1948.

SIMPLEX

Applicant claims ownership of Registrations Nos. 211,249, 263,541, 305,248, 315,244, and 426,110.
FOR PISTON SKIRT EXPANDERS.
Claims use since April 1933.

Ser. No. 552,357. NATIONAL SEWING MACHINE COMPANY, Belvidere, Ill. Filed Dec. 20, 1947.

SEAMSTRESS

Applicant claims ownership of Registration No. 32,278.
FOR SEWING MACHINES AND ATTACHMENTS.
Claims use since October 1890.

Ser. No. 552,358. NATIONAL SEWING MACHINE COMPANY, Belvidere, Ill. Filed Dec. 20, 1947.

REVERSEW

Applicant claims ownership of Registration No. 333,126.
FOR SEWING MACHINES AND ATTACHMENTS.
Claims use since Mar. 6, 1935.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 516,045. WESTERN FEATURES SYNDICATE, INC., Rosemead, Calif. Original filed Jan. 20, 1947, under the act of 1905; amended to application under act of 1946, June 29, 1948.

Hollywood PIC-TOURS

The word "Hollywood" is disclaimed apart from the mark.
FOR TRANSPARENCIES FOR USE IN VIEWERS AND PROJECTORS.
Claims use since Oct. 23, 1946.

Ser. No. 516,046. WESTERN FEATURES SYNDICATE, INC., Rosemead, Calif. Original filed Jan. 20, 1947, under the act of 1905; amended to application under act of 1946, June 29, 1948.

PIC-TOURS

FOR TRANSPARENCIES FOR USE IN VIEWERS AND PROJECTORS.
Claims use since Oct. 23, 1946.

Ser. No. 526,692. WALTER KIDDE & COMPANY, INC., Belleville, N. J. Filed July 5, 1947.

K Kidde

FOR SUBMERSION ACTUATORS FOR ACTUATING VALVES FOR THE RELEASE OF GAS UNDER PRESSURE FROM CONTAINERS TO INFLATE BAGS WHICH FORM BUOYANT FLOATS FOR SUPPORTING DISABLED AIRCRAFT, SUCH DEVICES INCLUDING A CASING HAVING AN EXPANSIBLE MEDIUM WHICH IS EXPANDED WHEN THE CASING IS BROUGHT INTO CONTACT WITH A LIQUID, WHEREBY TO GENERATE PRESSURE TO ACTUATE THE RELEASE VALVES; ALSO ACTUATORS COMPRISING A PERFORATED CASING ENCLOSING ELECTRODES WHICH UPON CONTACT WITH WATER COMPLETES AN ELECTRIC ACTUATING CIRCUIT TO OPERATE ELECTRICALLY RELEASABLE VALVES; HEAT RESPONSIVE APPARATUS—NAMELY, FIXED TEMPERATURE THERMOSTATS; FUSIBLE LINK DETECTORS; AND RATE-OF-TEMPERATURE-RISE DETECTORS COMPRISING A SMALL METAL AIR CHAMBER, THE AIR IN WHICH EXPANDS UPON A SUDDEN CHANGE IN TEMPERATURE; EACH OF THESE DEVICES BEING CONNECTED TO RELEASE MECHANISM, WHEREBY UPON ACTUATION OF THE DEVICE, THE RELEASE MECHANISM IS OPERATED TO RELEASE A FIRE EXTINGUISHING MEDIUM; AUTOMATIC WEIGHT INDICATORS AND SCALES, AND TIMING APPARATUS ADAPTED FOR INSTALLATION IN FIRE EXTINGUISHING SYSTEMS AND OPERABLE THEREBY, FOR THE PURPOSE OF PROVIDING FOR OR CAUSING DELAY BETWEEN THE GIVING OF AN ALARM AND THE DISCHARGE OF FIRE EXTINGUISHING MEDIUM.
Claims use since Dec. 1, 1940.

Ser. No. 526,694. WALTER KIDDE & COMPANY, INC., Belleville, N. J. Filed July 5, 1947.

Kidde

Applicant claims ownership of Registration No. 334,376.
FOR SUBMERSION ACTUATORS FOR ACTUATING VALVES FOR THE RELEASE OF GAS UNDER PRESSURE FROM CONTAINERS TO INFLATE BAGS WHICH FORM BUOYANT FLOATS FOR SUPPORTING DISABLED AIRCRAFT, SUCH DEVICES INCLUDING A CASING HAVING AN EXPANSIBLE MEDIUM WHICH IS EXPANDED WHEN THE CASING IS BROUGHT INTO CONTACT WITH A LIQUID, WHEREBY TO GENERATE PRESSURE TO ACTUATE THE RELEASE VALVES; ALSO ACTUATORS COMPRISING A PERFORATED CASING ENCLOSING ELECTRODES WHICH UPON CONTACT WITH WATER COMPLETES AN ELECTRIC ACTUATING CIRCUIT TO OPERATE ELECTRICALLY RELEASABLE VALVES; HEAT RESPONSIVE APPARATUS—NAMELY, FIXED TEMPERATURE THERMOSTATS; FUSIBLE LINK DETECTORS; AND RATE-OF-TEMPERATURE-RISE DETECTORS COMPRISING A SMALL METAL AIR CHAMBER, THE AIR IN WHICH EXPANDS UPON A SUDDEN CHANGE IN TEMPERATURE; EACH OF THESE DEVICES BEING CONNECTED TO RELEASE MECHANISM, WHEREBY UPON ACTUATION OF THE DEVICE, THE RELEASE MECHANISM IS OPERATED TO RELEASE A FIRE EXTINGUISHING MEDIUM; AUTOMATIC WEIGHT INDICATORS AND SCALES, AND TIMING APPARATUS ADAPTED FOR INSTALLATION IN FIRE EXTINGUISHING SYSTEMS AND OPERABLE THEREBY, FOR THE PURPOSE OF PROVIDING FOR OR CAUSING DELAY BETWEEN THE GIVING OF AN ALARM AND THE DISCHARGE OF FIRE EXTINGUISHING MEDIUM.
Claims use since Dec. 1, 1940.

Ser. No. 548,711. AUTOMATIC TEMPERATURE CONTROL CO., INC., Philadelphia, Pa. Filed Sept. 19, 1947.

atcotran

FOR ELECTRICAL MEASURING AND CONTROL APPARATUS AND INSTRUMENTS TO SUPERVISE AND CONTROL PHYSICAL CONDITIONS SUCH AS PRESSURE, VELOCITY, FLOW, MIXTURES, TEMPERATURES, POSITIONS, MOTIONS AND FORCES, AND COMPONENT PARTS THEREOF—NAMELY, DIFFERENTIAL TRANSFORMERS THEREFOR, AMPLIFIERS THEREFOR, INDICATORS, RECORDERS, AND CONTROLLERS, SUCH APPARATUS BEING DESIGNED FOR BOTH SCIENTIFIC USE AND IN INDUSTRIAL PLANTS.
Claims use since May 1, 1947.

Ser. No. 552,096. THE L. S. STARRETT COMPANY, Athol, Mass. Filed Mar. 16, 1948. Under section 2f of the act of 1946.

TIME SAVER

Applicant claims ownership of Registration No. 147,250.
FOR TAP, DRILL, AND WIRE GAGES.
Claims use since Jan. 1, 1898.

Ser. No. 552,557. HERBERT RICHARD SHAW, Hints, England. Filed Mar. 18, 1948.

PINK MOUSE

Applicant claims ownership of British Registration No. 653,327, dated Nov. 6, 1946.
FOR TESTING INSTRUMENTS FOR THE ELECTRIC WIRING OF AUTOMOBILES.

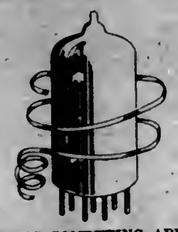
Ser. No. 553,136. SCIENTIFIC GLASS APPARATUS CO., INC., Bloomfield, N. J. Filed Mar. 26, 1948. Under section 2f of the act of 1946.

INTER-JOINT

Applicant claims ownership of Registration No. 386,689.
FOR INTERCHANGEABLE TUBULAR GLASS PARTS, STOPPERS, AND STOP-COCKS FOR GLASS CHEMICAL APPARATUS, AND GLASS SCIENTIFIC APPLIANCES FOR LABORATORY USES.
Claims use since Feb. 21, 1940.

Ser. No. 553,627. ECKERT-MAUCHLY COMPUTER CORPORATION, Philadelphia, Pa. Filed Apr. 5, 1948.

UNIVAC



FOR ELECTRONIC COMPUTING APPARATUS AND COMPONENTS THEREOF.
Claims use since Feb. 27, 1948.

Ser. No. 554,556. EXACT LEVEL & TOOL MFG. CO., INC., High Bridge, N. J. Filed Apr. 14, 1948.

ECONOMAT

FOR SPIRIT LEVELS.
Claims use since Apr. 5, 1948.

Ser. No. 557,137. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed May 15, 1948.

FORTY-NINER

FOR EYEGLASS AND SPECTACLE FRAMES.
Claims use since May 3, 1948.

Ser. No. 557,138. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed May 15, 1948.

TUFFY

FOR EYEGLASS AND SPECTACLE FRAMES.
Claims use since May 3, 1948.

Ser. No. 557,367. LUGENE, INC., New York, N. Y. Filed May 19, 1948. Under section 2f of the act of 1946.

LUGENE

Applicant claims ownership of Registration No. 280,347.
FOR LORGNETTES, EYEGLASSES, AND SPECTACLES, AND OPERA GLASSES, MARINE GLASSES, FIELD GLASSES, INSTRUMENTS FOR EXAMINING, TESTING, AND MEASURING THE EYES; OPTICAL LENSES, OPTICAL FRAMES, OPTICAL INSTRUMENTS, CAMERAS, CAMERA AND MOTION PICTURE FILMS.
Claims use since June 1922.

Ser. No. 557,496. BELL & HOWELL COMPANY, Chicago, Ill. Filed May 21, 1948.

LUMAX

FOR PHOTOGRAPHIC LENSES.
Claims use since July 22, 1938.

Ser. No. 558,537. VICTORY OPTICAL MANUFACTURING COMPANY, Newark, N. J. Filed June 4, 1948.



The representation of the eyeglasses is disclaimed.
FOR SPECTACLE FRAMES MADE OF PLASTIC MATERIAL.
Claims use since Jan. 1, 1942.

Ser. No. 558,726. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed June 8, 1948.

AL-KO

FOR EYEGLASS AND SPECTACLE FRAMES.
Claims use since Feb. 19, 1947.

Ser. No. 558,793. THE KONO MANUFACTURING COMPANY, Woodside, N. Y. Filed June 9, 1948.

PAR-KO

FOR EYEGLASS AND SPECTACLE FRAMES.
Claims use since Feb. 19, 1947.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 546,099. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Jan. 3, 1948.

GOVERNOR

FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since February 1937.

Ser. No. 555,859. A. C. BACKEN CO., Chicago, Ill. Filed July 31, 1947.

Treasureland

Applicant claims ownership of Registrations Nos. 270,042 and 274,664.
FOR WATCHES AND CLOCKS.
Claims use since July 15, 1932.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 524,124. THE ELLMORE SILVER CO., INC., Meriden, Conn. Original filed June 13, 1947, under the act of 1905; amended to application under act of 1946, Feb. 3, 1948. Under section 2f of the act of 1946.

OLD HAMPSHIRE

FOR STERLING SILVER FLATWARE.
Claims use since Sept. 7, 1939.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 545,768. OX FIBRE BRUSH COMPANY, INC., Frederick, Md. Filed Dec. 30, 1947.

OXCO



Applicant claims ownership of Registrations Nos. 391,913 and 391,914.
FOR BRUSHES—NAMELY, SCRUB, STREET, TOILET, CLOTHES, SPITTOON, WALL, FLOOR, HAIR, HORSE, NAIL, AND HAND; BROOMS AND FLOOR MOPS.
Claims use since Aug. 15, 1941.

Ser. No. 562,448. CHESLAN BRUSH COMPANY, INC., Knoxville, Tenn. Filed July 29, 1948.

THE CHESLAN LINE

No claim is made to the word "Line" apart from the mark as shown.
FOR BRUSHES FOR CLOTHES AND OTHER FABRICS.
Claims use since Oct. 1, 1947.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 552,243. THE HOMER LAUGHLIN CHINA COMPANY, Newell, W. Va. Filed Mar. 18, 1948.

Jubilee

FOR EARTHENWARE FOR TABLE SERVICE.
Claims use since Jan. 3, 1948.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 527,400. HUSSMANN-LIGONIER COMPANY, St. Louis, Mo., now by change of name Hussmann Refrigerator Co., a corporation of Delaware. Filed July 5, 1947. Under section 2f of the act of 1946.

HUSSMANN

Applicant claims ownership of Registration No. 164,214.
FOR COMMERCIAL AND INDUSTRIAL REFRIGERATORS—NAMELY, REFRIGERATED DISPLAY CASES, REFRIGERATED DISPLAY COUNTERS, REFRIGERATED WALK-IN UNITS AND STORAGE REFRIGERATORS; DOMESTIC REFRIGERATORS, REFRIGERATION CONDENSING UNITS, AND COILS FOR SAID REFRIGERATORS.
Claims use on commercial refrigerators and refrigerating apparatus since 1906; and on refrigerated display cases since Mar. 1, 1914.

Ser. No. 528,030. NATIONAL ALUMINATE CORPORATION, Chicago, Ill. Filed July 5, 1947.

NALCOSTILL

Applicant claims ownership of Registrations Nos. 301,906, 339,491, and 340,220.
FOR MECHANICAL AND CHEMICAL EQUIPMENT UTILIZING THE ION EXCHANGE PRINCIPLES FOR THE PURIFICATION OF WATER, SUCH AS DEIONIZATION OR REMOVAL OF DISSOLVED SOLIDS.
Claims use since Aug. 20, 1937.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 538,974. TENNESSEE STOVE WORKS, Chattanooga, Tenn. Filed Oct. 24, 1947.

Torridaire

FOR COAL, WOOD, AND OIL HEATERS.
Claims use since 1927.

Ser. No. 539,292. KARL DELICA, doing business as Kleen-Wall Products Company, Portland, Oreg. Filed Oct. 28, 1947.

KLEEN-WALL

Applicant claims ownership of Registration No. 215,173.
FOR RADIATOR SHIELDS, FOR HOT AIR, STEAM, AND HOT WATER RADIATORS.
Claims use since July 1, 1925.

Ser. No. 548,355. FITZGIBBONS BOILER COMPANY, INC., New York, N. Y. Filed Jan. 30, 1948. Under section 2f of the act of 1946.

TANKSAVER

Applicant claims ownership of Registration No. 368,954.
FOR HOT WATER COILS FOR BOILERS.
Claims use since Mar. 1, 1933.

Ser. No. 548,811. FITZGIBBONS BOILER COMPANY, INC., New York, N. Y. Filed Feb. 5, 1948. Under section 2f of the act of 1946.

Directaire

Applicant claims ownership of Registration No. 370,670.
FOR GAS, OIL, COAL OR COKE BURNING FURNACES.
Claims use since Oct. 27, 1937.

Ser. No. 549,403. JOHN WOOD MANUFACTURING COMPANY, INC., Conshohocken and Philadelphia, Pa., and Chicago, Ill. Filed Nov. 29, 1947.

STANDARD

Applicant claims ownership of Registration No. 216,556.
FOR GAS WATER HEATERS, AND COMBINATION BOILERS.
Claims use since Oct. 2, 1924.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 555,413. HYDRAULIC ACCESSORIES COMPANY, Detroit, Mich. Filed Apr. 23, 1948.

MON-O-PAK

The word "Pak" is disclaimed apart from the mark.
FOR HYDRAULIC PACKING SEALS FOR RODS, PISTONS, AND THE LIKE.
Claims use since Oct. 22, 1947.

Ser. No. 558,757. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed June 8, 1948.

ALLSTATE

Applicant claims ownership of Registrations Nos. 226,693 and 304,893.
FOR AUTOMOBILE SUPPLIES—NAMELY, GROUP A—TIRES AND TUBES (AUTO, MOTORCYCLE, BICYCLE); GROUP B—RADIATOR HOSE, BRAKE LININGS, ENGINE GASKETS, VENTILATOR GASKETS, GASKET MATERIAL; GROUP C—FAN BELTS, WATER PUMP PACKINGS, HYDRAULIC BRAKE HOSE, TRANSMISSION LININGS; GROUP D—PISTON RINGS, TIRE BELINERS, INNER TUBE PATCHES, FLEXIBLE TUBING, AUTO HEATER HOSE; GROUP E—WINDSHIELD WIPER TUBING.
Claims use since Nov. 24, 1926.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 553,391. HARRY E. O'BRIEN, Indianapolis, Ind. Filed Mar. 30, 1948.

PHONO-LAY

FOR REED MOUTHPIECES.
Claims use since Mar. 15, 1948.

CLASS 37

PAPER AND STATIONERY

Ser. No. 531,016. BLACKWELL-WIELANDY COMPANY, St. Louis, Mo. Filed Aug. 11, 1947.

BLUE JAY

Applicant claims ownership of Registrations Nos. 75,427, 80,027, 223,316, 246,945, and 223,433.
FOR PENCIL AND INK TABLETS, NOTE BOOKS, COMPOSITION BOOKS, DRAWING PAPER AND TABLETS, BLANK MUSIC BOOKS, SPELLING TABLETS, BLANK SPELLING BOOKS, THESIS AND EXAMINATION TABLETS, LEAD PENCILS AND FOUNTAIN PENS.
Claims use on pencil and ink tablets, note books, composition books, drawing paper and tablets, blank music books, spelling tablets, blank spelling books, thesis and examination tablets since January 1906; on lead pencils since May 1910; and on fountain pens since July 1926.

Ser. No. 534,114. L. & C. HARDTMUTH, INC., Bloomsbury, N. J. Filed Sept. 11, 1947.

KOHPLASTIC

FOR CLEANING RUBBER ERASERS.
Claims use since Jan. 1, 1939.

Ser. No. 544,659. HURLBUT PAPER COMPANY, South Lee, Mass. Filed Oct. 22, 1947. Under section 2f of the act of 1946.

HURLBUT
EXTRA SUPERFINE

The words "Extra Superfine" are disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 287,308.
FOR WRITING AND PRINTING PAPER.
Claims use since November 1894.

Ser. No. 548,821. NICHOLAS MARLOW, doing business as Marlow Products, Chicago, Ill. Filed Feb. 5, 1948.

MEMO-MASTER

No registration rights are claimed for the word "Memo" apart from the mark shown.
FOR MEMORANDUM PADS.
Claims use since Dec. 15, 1947.

Ser. No. 555,864. BRADNER SMITH & COMPANY, Chicago, Ill. Filed Aug. 28, 1947.

LAKESIDE

Applicant claims ownership of Registration No. 64,351.
FOR BOOK-PAPER, WRITING-PAPER, CORRESPONDENCE ENVELOPES, BOND-PAPER, AND BRISTOL-BOARD.
Claims use since May 18, 1897.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 540,261. DENTAL-SURVEY PUBLICATIONS, Minneapolis, Minn. Filed Nov. 6, 1947. Under section 2f of the act of 1946.



DENTAL SURVEY

The portrait forming a part of the mark is a Fauchard medallion. Applicant claims ownership of Registration No. 295,341.
FOR MAGAZINE RELATING TO DENTISTS AND DENTISTRY.
Claims use since January 1927.

Ser. No. 543,770. BERMAC ASSOCIATES INC., New York, N. Y. Filed Dec. 9, 1947.

FLYING HERCULES

FOR PERIODICAL MAGAZINES, COMIC MAGAZINES.
Claims use since Nov. 10, 1947.

Ser. No. 557,192. HEATING PUBLISHERS, INC., New York, N. Y. Filed May 17, 1948. Under section 2f of the act of 1946.

Oilheating & Air-conditioning
MERCHANDISING NEWS

Applicant claims ownership of Registration No. 327,576.
FOR MIMEOGRAPHED MONTHLY SERVICE BULLETIN.
Claims use since April 1942.

Ser. No. 558,465. THE CHASE BAG COMPANY, New York, N. Y. Filed June 4, 1948.

BAGOLOGY

Applicant claims ownership of Registration No. 43,486.
FOR PERIODICALS, PUBLISHED BI-MONTHLY.
Claims use since Apr. 9, 1901.

Ser. No. 559,576. BURROUGHS WELLCOME & CO. (U. S. A.) INC., Tuckahoe, N. Y. Filed June 18, 1948.



FOR PERIODICAL PUBLICATIONS, PAMPHLETS, BOOKLETS, AND CATALOGS.
Claims use since 1910.

Ser. No. 561,293. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed July 14, 1948.

Today's Laugh

FOR SERIES OF CARTOONS.
Claims use since Mar. 1, 1948.

Ser. No. 561,473. MACART ADVERTISING COMPANY, Kansas City, Mo. Filed July 15, 1948.

"DOC" DAPPER

FOR CARTOONS FOR USE IN ADVERTISING.
Claims use since June 6, 1948.

Ser. No. 562,409. SHOPPING WITH NANCY, Chicago, Ill. Filed July 28, 1948.

SHOPPING with NANCY

FOR NEWSPAPER COLUMN.
Claims use since 1933.

Ser. No. 562,491. PERSON'S INDEX FACTS ON FILE, INC., New York, N. Y. Filed July 29, 1948.

WORLD DIARY

FOR MONTHLY PUBLICATION.
Claims use since June 8, 1948.

Ser. No. 562,894. WHISPER, INC., New York, N. Y. Filed Aug. 5, 1948.

THRU the KEYHOLE

FOR PICTORIAL HUMOROUS PERIODICAL.
Claims use since Nov. 10, 1947.

Ser. No. 563,430. POCKET PUBLICATIONS LIMITED, London, England. Filed Aug. 14, 1948.

LILLIPUT

Applicant claims ownership of British Registration No. 614,362, dated Mar. 7, 1941.
FOR PERIODICAL PRINTED PUBLICATIONS (CONSISTING WHOLLY OR MAINLY OF FICTION).

Ser. No. 563,667. F. W. DODGE CORPORATION, New York, N. Y. Filed Aug. 18, 1948.

S

FOR PERIODICALS PUBLISHED ANNUALLY IN VARIOUS FIELDS—NAMELY, ARCHITECTURE, BUILDING, ENGINEERING, POWER PLANTS, PRODUCT DESIGN, MECHANICAL INDUSTRIES, AND PROCESS INDUSTRIES.
Claims use since Feb. 8, 1943.

CLASS 39
CLOTHING

Ser. No. 522,408. ANN FRANSELLA, doing business as Globe Kiddy Togs, Brooklyn, N. Y. Original filed May 15, 1947, under the act of 1905; amended to application under act of 1946, Nov. 18, 1948.

Globe KIDDY TOGS

The words "Kiddy Togs" are disclaimed.
FOR INFANTS' KNITTED CREEPERS AND ROMPERS, BOYS' AND INFANTS' KNITTED SUITS, POLO SHIRTS, AND CARDIGANS.
Claims use since May 1, 1943.

Ser. No. 522,988. SOL SHERMAN, doing business as Sherman Products, New York, N. Y. Original filed May 24, 1947, under the act of 1905; amended to application under act of 1946, Nov. 18, 1947. Under section 2f of the act of 1946.

SHERMAN

Applicant claims ownership of Registrations Nos. 226,884, 351,015, and 424,273.
FOR MEN'S AND BOYS' BOW TIES, NECKTIES, SHIRTS, SLACKS, PAJAMAS, SPORT COATS, SHORTS, SCARFS, UNDERWEAR, HANDKERCHIEFS, HOSIERY, COLLARS, CUFFS, SHOES, SWEATERS, GARTERS, AND HATS AND CAPS.
Claims use since Mar. 1, 1926.

Ser. No. 524,534. FASHION PARK, INC., Rochester, N. Y. Original filed June 20, 1947, under the act of 1905; amended to application under act of 1946, Nov. 7, 1947. Under section 2f of the act of 1946.

BROKAW

Applicant claims ownership of Registration No. 54,542.
FOR MEN'S AND BOYS' SUITS, OVERCOATS, TOPCOATS, TIES, MUFFLERS, SOCKS, SWEATERS, SWIM SUITS, UNDERWEAR, SPORT SHIRTS, HATS, AND SHOES; WOMEN'S SUITS, BLOUSES, SKIRTS, SWEATERS, HOSIERY, HATS, AND SHOES.
Claims use since Jan. 1, 1895.

Ser. No. 542,825. FAMOUS-STRASBERG, INC., New Orleans, La. Filed Dec. 1, 1947.

MIRRO-POINT

Applicant claims ownership of Registrations Nos. 338,838 and 365,614.
FOR MEN'S AND BOYS' SUITS AND PANTS.
Claims use since Sept. 18, 1942.

Ser. No. 545,483. JOLLY KIDS TOGS, Chicago, Ill. Filed Dec. 26, 1947.

Youngarees

FOR CHILDREN'S WEARING APPAREL—NAMELY, DRESSES, SLACKS, OVERALLS, COVERALLS, AND SHORT PANTS AND SHORT TROUSERS.
Claims use since Oct. 30, 1947.

Ser. No. 545,946. DAVE BELLSEY CO. INC., New York, N. Y. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

DESIGNED BY BELLSEY

The words "Designed By" are disclaimed apart from the mark.
FOR LADIES' AND MISSES' COATS AND SUITS.
Claims use since June 1921.

Ser. No. 545,947. DAVE BELLSEY CO. INC., New York, N. Y. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

STYLED BY BELLSEY

The words "Styled By" are disclaimed apart from the mark.
FOR LADIES' AND MISSES' COATS AND SUITS.
Claims use since June 1921.

Ser. No. 547,143. THE OLYMPIC GLOVE COMPANY, INC., New York, N. Y. Filed Jan. 15, 1948.

FRIZZLY

FOR PROTECTIVE APPAREL MADE OF FABRIC FOR INDUSTRIAL WORKERS, THE ARTICLES OF APPAREL BEING GLOVES, MITTENS, APRONS, CAPES, LEGGINGS, SPATS, TUBULAR MEMBERS WORN AS SLEEVES AND TROUSER LEGS, FINGER SHEATHS, TROUSERS MINUS THE SEAT PORTION, AND HAND AND FOOT GUARDS COMPRISING A PAD WITH AN OPENING THERETHROUGH FOR THE INSERTION OF A LIMB, OR SAID PAD IS PROVIDED WITH A LIMB-ENCIRCLING BAND OR STRING MEANS FOR ATTACHMENT TO A LIMB OF THE WEARER.
Claims use since June 16, 1947.

Ser. No. 547,762. PINCUS BROTHERS, INCORPORATED, Philadelphia, Pa. Filed Jan. 22, 1948. Under section 2f of the act of 1946.

Pinfield

FOR MEN'S SUITS, COATS, PANTS, VESTS, TOPCOATS, AND OVERCOATS.
Claims use since Dec. 1, 1922.

Ser. No. 550,202. ALICE FROCK COMPANY, San Francisco, Calif. Filed Feb. 20, 1948.

Lil' Alice

Applicant claims ownership of Registrations Nos. 422,738, 425,822, 369,596, and 424,398.
FOR WOMEN'S AND CHILDREN'S WEARING APPAREL—NAMELY, BLOUSES, OUTER SHIRTS, OUTER SHORTS, PLAY SUITS, SUN SUITS, BATHING SUITS, SWEATERS, SCARFS, HATS AND CAPS, FABRIC GLOVES, BELTS FOR OUTER WEAR, SLACKS, SLACK SUITS, COATS, JACKETS, DRESSES, OUTER SKIRTS, AND GIRDLES.
Claims use since Oct. 10, 1944.

Ser. No. 551,043. R. C. PRODUCTS INC., Brooklyn, N. Y. Filed Mar. 2, 1948.

RC

FOR PLASTIC APRONS.
Claims use since May 1946.

Ser. No. 554,679. LITTLE DEBS DRESS MANUFACTURING CO. INC., St. Louis, Mo. Filed Apr. 15, 1948.

Bitsy Deb

FOR INFANTS' AND CHILDREN'S DRESSES.
Claims use since Feb. 1, 1948.

Ser. No. 554,802. I. MILLER & COMPANY LIMITED, London England. Filed Apr. 16, 1948.

MILGOLA

Applicant claims ownership of British Registration No. 641,391, dated Oct. 30, 1945.
FOR CHILDREN'S CLOTHING—NAMELY, COATS, HATS, SUITS, DRESSES, JUMPERS, JACKETS, CAPES, LEGGINGS, TROUSERS, VESTS, PETTICOATS, KNICKERS, TRUNKS, GLOVES, SOCKS, AND SCARVES.

Ser. No. 554,945. THE BERGER BROTHERS COMPANY, New Haven, Conn. Filed Apr. 19, 1948.

Trixyette

Applicant claims ownership of Registrations Nos. 264,534, 439,788, and 439,789.
FOR CORSETS, GIRDLES, AND BRASSIÈRES.
Claims use since March 1944.

Ser. No. 558,314. NINON BRASSIERE MFG. CO., New York, N. Y. Filed June 2, 1948.

Sani-Nurse

The word "Nurse" is disclaimed.
FOR BRASSIÈRES.
Claims use since Dec. 12, 1947.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 562,164. DAVID L. TRUMAN, doing business as Cinema Specialties Company, Los Angeles, Calif. Filed July 24, 1948.



The word "Circle" is disclaimed.
FOR COMBS IN THE NATURE OF BARRETTES.
Claims use since May 20, 1948.

Ser. No. 566,133. HOWARD GOODMAN, New York, N. Y. Filed Sept. 30, 1948.

PEARLEEN

FOR BUTTONS NOT MADE OF PRECIOUS METAL.
Claims use since Sept. 20, 1948.

Ser. No. 567,986. MERRIMAC HAT CORPORATION, New York, N. Y. Filed Nov. 1, 1948.

JETTO

FOR BRAID FOR WOMEN'S AND CHILDREN'S HATS AND HAT BODIES.
Claims use since Sept. 20, 1948.

Ser. No. 567,987. MERRIMAC HAT CORPORATION, New York, N. Y. Filed Nov. 1, 1948.

LEGARNO

FOR BRAID FOR WOMEN'S AND CHILDREN'S HATS AND HAT BODIES.
Claims use since July 15, 1948.

Ser. No. 567,991. MERRIMAC HAT CORPORATION, New York, N. Y. Filed Nov. 1, 1948.

SUNBEAD

FOR BRAID FOR WOMEN'S AND CHILDREN'S HATS AND HAT BODIES.
Claims use since Sept. 20, 1948.

Ser. No. 568,088. STANDARD SALES CO., Birmingham, Ala. Filed Oct. 26, 1948.

Duralina

FOR POCKET COMBS.
Claims use since July 9, 1947.

CLASS 43

THREAD AND YARN

Ser. No. 565,944. LIMERICK YARN MILLS, Manchester, N. H. Filed Sept. 27, 1948.

Limerick Yarn Mills

No claim is made to the use of the words "Yarn Mills," apart from the mark.
FOR WEAVING YARNS—NAMELY, UPHOLSTERY AND TAPESTRY YARNS, PILE FABRIC COATING YARNS, AND SUITING YARNS; KNITTING YARNS—NAMELY, FOR KNITTED OUTERWEAR AND HOSIERY; AND SPECIALTY YARNS—NAMELY, YARNS OF MOHAIR CINCHA CORD AND RAYON AND MOHAIR CINCHA CORD.
Claims use since July 15, 1939.

Ser. No. 568,650. SOCIETE RHOVYL, Paris, France. Filed Nov. 12, 1948.

RHOVYL

Right of priority under Sec. 44 (d). French application filed Sept. 20, 1948; Reg. No. 388,389. Applicant claims ownership of French Registration No. 388,389, dated Sept. 20, 1948.
FOR THREADS AND YARNS CONTAINING FILAMENTS OF POLYVINYL CHLORIDE.

Ser. No. 576,331. IMPERIAL CHEMICAL INDUSTRIES, LIMITED, Slough, England. Filed Mar. 30, 1949.

TERALENE

Applicant claims ownership of British Registration No. 648,394, dated June 3, 1946.
FOR SYNTHETIC THREADS AND YARNS.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 512,651. DIANA MANUFACTURING CO., Green Bay, Wis. Original filed Nov. 15, 1946, under the act of 1905; amended to application under act of 1946, June 22, 1948.

DIANA



FOR SANITARY NAPKINS.
Claims use since May 24, 1927.

Ser. No. 527,217. ARTHUR E. SMITH, Los Angeles, Calif. Filed July 5, 1947. Under section 2f of the act of 1946.

FRESH

Applicant claims ownership of Registration No. 395,015.
FOR HYPODERMIC SYRINGES, HYPODERMIC NEEDLES, ANAESTHESIA INSTRUMENTS, AND ADAPTERS FOR SYRINGES.
Claims use since Feb. 3, 1941.

Ser. No. 540,340. TELEX, INC., Minneapolis, Minn. Filed Nov. 6, 1947.

TELECOMB

FOR HEARING AID ACCESSORY IN THE FORM OF A LADIES' COMB HAVING SOUND CONDUCTING TUBES ASSOCIATED THEREWITH.
Claims use since July 12, 1947.

Ser. No. 540,791. THE DENTISTS' SUPPLY COMPANY OF NEW YORK, New York, N. Y. Filed Nov. 12, 1947.

SIMPLEX

FOR DENTAL ARTICULATORS.
Claims use since February 1913.

Ser. No. 542,496. WRIGHT ENGINEERING COMPANY, Mountain Lakes, N. J. Filed Nov. 26, 1947.

VIDEX

FOR DEVICES AND APPARATUS FOR FACILITATING THE ADJUSTMENTS OF THE BEAM OF X-RAY MACHINES AND RADIOGRAPHIC EQUIPMENT FOR DIAGNOSTIC AND THERAPEUTIC USES.
Claims use since June 5, 1947.

Ser. No. 542,499. AIR-SHIELDS, INC., Hatboro, Pa. Filed Nov. 28, 1947.

ISOLETTE

FOR INFANT INCUBATORS.
Claims use since July 1947.

Ser. No. 545,247. THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Dec. 23, 1947. Under section 2f of the act of 1946.

Miller

Applicant claims ownership of Registration No. 152,615.
FOR RUBBER SUNDRIES—NAMELY, WATER BOTTLES, FOUNTAIN SYRINGES, BULB SYRINGES, ICE BAGS, CATHETERS, SURGICAL TUBES AND TUBING, URINALS, IMPERVIOUS SHEETING, NURSING NIPPLES, BREAST PUMPS, SURGEON'S GLOVES, FINGER COTS, AND INFLATABLE INVALID CUSHIONS.
Claims use since Oct. 6, 1907.

Ser. No. 546,967. COSMOS DENTAL PRODUCTS, INC., New York, N. Y. Filed Jan. 14, 1948.

TIS-HUE

The word "Hue" is disclaimed.
FOR ESTHETIC FIBROUS ADDITIVE USED FOR DENTURE BASE MATERIALS TO IMPART A MORE VITAL APPEARANCE TO FINISHED DENTURES.
Claims use since Dec. 3, 1947.

Ser. No. 547,388. SIMON BACHS & COMPANY, New York, N. Y. Filed Sept. 20, 1947. Under section 2f of the act of 1946.

BLUVIEW

Applicant claims ownership of Registration No. 341,009.
FOR SCREENS OR PLATES ADAPTED FOR USE IN CONNECTION WITH THE READING OR VIEWING OF X-RAY FILMS OR X-RAY PLATES BY PHYSICIANS, SURGEONS, AND DENTISTS.
Claims use since July 17, 1934.

Ser. No. 554,140. MCDOWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Apr. 5, 1948.

RELAX-A-LATOR

The word "Relax" is disclaimed apart from the mark as shown in the drawing.
FOR ELECTRIC MOTOR DRIVEN VIBRATORS FOR THERAPEUTIC PURPOSES.
Claims use since Feb. 20, 1947.

Ser. No. 556,581. MARIA HÖRNÉE, New York, N. Y. Filed May 8, 1948.

SERENA-BROW

The word "Brow" is disclaimed.
FOR FOREHEAD BANDS FOR HEADACHE RELIEF.
Claims use since Apr. 28, 1948.

Ser. No. 556,713. W. A. BAUM CO., INC., New York, N. Y. Filed Jan. 16, 1948.

Baumanometer

Applicant claims ownership of Registration No. 128,807.
FOR SPHYGMOMANOMETERS AND PARTS THEREOF SUCH AS MERCURIAL MANOMETERS, MANOMETERS, CUFFS, RUBBER AIR BULBS, AIR-CONTROL VALVES, RUBBER TUBING, CALIBRATED GLASS MEASURING TUBES AND MERCURY RESERVOIRS.
Claims use since Jan. 28, 1917.

Ser. No. 557,263. COSMOS DENTAL PRODUCTS, INC., New York, N. Y. Filed May 18, 1948.

mucolube

Applicant claims ownership of Registrations Nos. 428,564, 429,068, 428,565, and 429,069.
FOR SEPARATING MATERIAL FOR APPLICATION TO DENTAL MOLDS TO FACILITATE REMOVAL OF THE DENTURE FROM THE MOLD AND FOR RENDERING THE MOLD MOISTURE RESISTANT.
Claims use since Dec. 12, 1946.

Ser. No. 557,825. BUR DENT MANUFACTURING COMPANY, Crystal Lake, Ill. Filed May 26, 1948.

BUR DENT

The word "Bur" is disclaimed apart from the mark as shown.
FOR DENTAL HAND PIECES AND REPLACEMENT PARTS THEREFOR INCLUDING BEARINGS, SCREWS, GEAR SHAFTS, HEADS, AND THE LIKE.
Claims use since May 16, 1947.

Ser. No. 558,148. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed May 29, 1948. Under section 2f of the act of 1946.

DOROTHY GRAY

Applicant claims ownership of Registrations Nos. 200,419, 283,555, 285,634, 290,936, and 352,321.
FOR REDUCING CHIN STRAPS.
Claims use since July 15, 1928.

Ser. No. 562,826. BURNITOL MANUFACTURING CO., Boston, Mass. Filed Aug. 5, 1948. Under section 2f of the act of 1946.

"TWINLOCK"

FOR SPUTUM CUPS.
Claims use since May 1, 1943.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 533,044. NEHI CORPORATION, Columbus, Ga. Filed Sept. 2, 1947.

RC

Applicant claims ownership of Registrations Nos. 346,534, 412,579, 439,029, 439,062, and 439,063.
FOR NONALCOHOLIC MALTLESS, NON-FRUIT-JUICE BEVERAGE SOLD AS A SOFT DRINK—VIZ., A COLA, AND A CONCENTRATE OR EXTRACT FOR MAKING THE SAME.
Claims use since September 1935.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 523,138. R. G. MORNCH & CO., INC., New York, N. Y. Original filed May 27, 1947, under the act of 1905; amended to application under act of 1946, Dec. 13, 1947.

Argie

FOR FOOD COMPOSITION IN POWDERED FORM CONTAINING SORBITAN MONOSTEARATE, DEFATTED MILK SOLIDS, DEXTROSE, AND SPRAY DRIED EGG YOLK FOR USE AS AN EMULSIFYING STABILIZER IN THE MANUFACTURE OF ICE CREAM AND RELATED FOODS.
Claims use since May 9, 1947.

Ser. No. 538,274. GENERAL GROCER COMPANY, St. Louis, Mo. Filed Oct. 18, 1947.

RED ROBE

Applicant claims ownership of Registrations Nos. 85,111 and 250,066.
FOR FOOD PRODUCTS SOLD IN CANS, JARS, AND BOTTLES—NAMELY, APPLE SAUCE, APRICOTS, ASPARAGUS, BEANS, BEANS AND PORK, BLACKBERRIES, BLUEBERRIES, CARROTS AND PEAS, CORN, FRUIT COCKTAIL, GOOSEBERRIES, GREEN BEANS AND POTATOES, HOMINY, LIMA BEANS, ORANGE JUICE, PEACHES, PEARS, PEAS, PINEAPPLE, PRUNE PLUMS, PUMPKIN, RED SOUR CHERRIES, SAUERKRAUT, SPINACH, SWEET POTATOES, TOMATOES, TOMATO JUICE, TOMATO PULP, AND MIXED VEGETABLES.
Claims use since May 19, 1911.

Ser. No. 541,253. BAKERY PRODUCTS, INC., Chicago, Ill. Filed Nov. 15, 1947.

Good Measure

FOR FIG BARS.
Claims use since Oct. 15, 1947.

Ser. No. 547,896. CHURCH & DWIGHT CO., INC., New York, N. Y. Filed Jan. 24, 1948.

ARM & HAMMER BRAND

The word "Brand" is disclaimed. Applicant claims ownership of Registrations Nos. 106,215, 359,514, and 503,377.
FOR BAKING SODA (BICARBONATE OF SODA) AND BAKING POWDER FOR USE AS AN INGREDIENT IN THE PREPARATION OF FOODS.
Claims use since 1874.

Ser. No. 549,171. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Feb. 9, 1948.

SPARKIES

Applicant claims ownership of Registration No. 381,333.
FOR CEREAL BREAKFAST FOODS MADE OF RICE AND WHEAT.
Claims use since Mar. 25, 1940.

Ser. No. 549,635. H P COFFEE COMPANY, St. Louis, Mo. Filed Feb. 13, 1948.

Blue Point

FOR COFFEE.
Claims use since June 6, 1913.

Ser. No. 549,637. ALBERT F. HOLLOWAY, doing business as Olin Manufacturing Company, Oakland, Calif. Filed Feb. 13, 1948.

CORNNUTS

Applicant claims ownership of Registration No. 356,259.
FOR TOASTED CORN KERNELS.
Claims use since June 1, 1935.

Ser. No. 549,736. KIMBRIEL AND COMPANY, Pharr, Tex. Filed Feb. 14, 1948.

SOUTH RIDGE

FOR FRESH ORANGES.
Claims use since Oct. 13, 1947.

Ser. No. 549,963. AUGUST H. OSTERHOLZ, doing business as The Wheaton Feed & Supply Store, Wheaton, Ill. Filed Feb. 17, 1948.

BIG THREE 3

FOR FOOD PRODUCT—NAMELY, A DOG FOOD.
Claims use since Mar. 21, 1947.

Ser. No. 550,058. MONARCH CHEMICAL COMPANY, New York, N. Y. Filed Feb. 18, 1948.

OLD OVEN

FOR BAKING POWDER.
Claims use since 1901.

Ser. No. 550,500. THE GREAT AMERICAN TEA COMPANY, New York, N. Y. Filed Feb. 25, 1948.

Golden Key

Applicant claims ownership of Registrations Nos. 69,037 and 207,955.
FOR GRAHAM WAFER CRACKERS.
Claims use since Mar. 8, 1930.

Ser. No. 550,692. THE GREAT AMERICAN TEA COMPANY, New York, N. Y. Filed Feb. 27, 1948.

Golden Key

Applicant claims ownership of Registrations Nos. 69,037 and 207,955.
FOR CANDY.
Claims use since Oct. 7, 1933.

CLASS 47

WINES

Ser. No. 527,235. SEBASTIAN MASI, doing business as Masi Winery and Masi Brothers, Cucamonga, Calif. Filed July 6, 1947.



The drawing is lined for the color red.
FOR WINES.
Claims use since Jan. 21, 1944.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 525,060. BERRY BROS. & RUDD LIMITED, London, England. Original filed Jan. 28, 1947, under the act of 1905; amended to application under act of 1946, Dec. 31, 1947. Under section 2f of the act of 1946.



The words "All Malt Blended Scotch Whiskey, Superb Liqueur" and "At The Sign of The Coffee Mill" and applicant's name and address are disclaimed apart from the mark. Applicant claims ownership of Registration No. 411,781.
FOR SCOTCH WHISKEY.
Claims use since 1941.

Ser. No. 525,882. MARSHALL S. LEFF, Pittsburgh, Pa. Original filed July 3, 1947, under the act of 1905; amended to application under act of 1946, Aug. 11, 1948. Under section 2f of the act of 1946.

FRY'S

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FOR WHISKEY.
Claims use since June 15, 1936.

Ser. No. 529,075. ROBERT MCNISH AND COMPANY LIMITED, Glasgow, Scotland. Filed July 21, 1947. Under section 2f of the act of 1946.

The Grand Matnish

Applicant claims ownership of Registrations Nos. 319,398, 344,613, and 411,761.
FOR WHISKEY.
Claims use since Jan. 1, 1929.

Ser. No. 556,889. JOHN JAMESON & SON, LIMITED, Dublin, Irish Free State. Filed May 12, 1948.

JJ&S

Applicant claims ownership of Registrations Nos. 73,865, 74,287, 79,843, and 312,243.
FOR IRISH WHISKEY.
Claims use since Oct. 11, 1836.

CLASS 55

SERVICES

Ser. No. 538,977. W. J. BAUMBACK INC., Arlington, Va. Filed Sept. 10, 1947. SERVICE MARK.

PLUMBMOBILE

FOR PLUMBING AND HEATING SERVICES—NAMELY, THE INSTALLING AND REPAIRING OF PLUMBING AND HEATING EQUIPMENT.
Claims use since May 1947.

Ser. No. 539,201. NORTHERN VIRGINIA BROADCASTERS, INC., Arlington, Va. Filed Oct. 27, 1947. SERVICE MARK.

The Family Station



The family group shown on the drawing is fanciful.
FOR RADIO BROADCASTING.
Claims use since Dec. 1, 1946.

Ser. No. 539,917. TRUE'S OIL COMPANY, Spokane, Wash. Filed Nov. 1, 1947. SERVICE MARK.

TRU-CAP

The word "Cap" is disclaimed.
FOR RE-CAPPING AND RE-CONDITIONING VEHICLE TIRES.
Claims use since Sept. 1, 1946.

Ser. No. 542,154. NATIONAL BROADCASTING COMPANY, INC., New York, N. Y. Filed Nov. 24, 1947. SERVICE MARK.

NBC

Applicant claims ownership of Registrations Nos. 348,710, 348,711, 362,773, 382,991, 298,746, 356,009, and 370,295.
FOR RADIO SOUND BROADCASTING, TELEVISION BROADCASTING, AND LEASING RECORDED RADIO PROGRAMS.
Claims use since 1927.

Ser. No. 542,477. MOUNT HOPE FINISHING COMPANY, Dighton, Mass. Filed Nov. 26, 1947. SERVICE MARK.

Kat-a-set

Applicant claims ownership of Registrations Nos. 369,498 and 369,499.
FOR FINISHING TEXTILE FABRICS IN THE PIECE BY APPLYING THERETO SUBSEQUENT TO THE FABRICATION THEREOF ONE OR MORE OF VARIOUS TREATMENTS FOR PUTTING THEM IN BETTER MARKETABLE CONDITION—NAMELY, DYEING, SHRINKING, DRESSING, FILLING, SURFACE COATING, EXTENDING TO DIMENSION AND CALENDERING.
Claims use since December 1939.

Ser. No. 543,523. RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Dec. 5, 1947. SERVICE MARK.

RCA

Applicant claims ownership of Registrations Nos. 167,501, 253,286, 259,128, 281,281, 283,429, 296,004, 302,712, 310,781, 349,382, 361,053, 364,685, 378,399, 394,427, 402,468, 436,793, and 439,637.
FOR PERIODICAL INSPECTION AND REPAIR OF INDUSTRIAL ELECTRONIC EQUIPMENT, SOUND EQUIPMENT, THEATER SOUND EQUIPMENT, AND TELEVISION RECEIVERS.
Claims use since 1936.

Ser. No. 556,001. FAIRFIELD & ELLIS, Boston, Mass. Filed May 1, 1948. SERVICE MARK.



FOR INSURANCE BROKERAGE AND AGENCY SERVICES—NAMELY, FIRE, RENTS, HEALTH, BURGLARY, AUTOMOBILE, SURETY BONDS, TOURIST'S FLOATER, LEASEHOLD INTEREST, USE AND OCCUPANCY, AIRCRAFT, LIFE, BOILER, LIABILITY, ACCIDENT, EARTHQUAKE, RAIN, MARINE, TORNADO, EXPLOSION, GENERAL COVER, JEWELRY FLOATER, SPRINKLER LEAKAGE, PROPERTY IN TRANSIT, WORKMEN'S COMPENSATION, HOSPITALIZATION, AND PERSONAL PROPERTY FLOATER INSURANCE. Claims use since 1937.

Ser. No. 560,997. GENERAL ELECTRIC CREDIT CORPORATION, New York, N. Y. Filed July 9, 1948. SERVICE MARK.

GECC

FOR FINANCING TIME SALE CONTRACTS AND WHOLESALE PURCHASES.
Claims use since 1937.

TRADE-MARK REGISTRATIONS GRANTED
ACT OF 1905

442,822. SCREW MACHINE PRODUCTS—NAMELY, THE FOLLOWING GOODS FOR GAS AND DIESEL ENGINES; LEVER BALLS, BEARINGS, CONNECTING ROD BOLTS, ETC. U. S. AUTOMATIC CORPORATION, Amherst, Ohio.
Filed May 6, 1943, Serial No. 460,460. Published Jan. 16, 1949. Class 23.

442,823. CAULKING OF VARIOUS MIXTURES AND CONSISTENCIES FOR CAULKING OPENINGS. INDEPENDENT SILO COMPANY, St. Paul, Minn.
Filed July 15, 1943, Serial No. 462,096. Published May 25, 1948. Class 12.

442,824. RADIO-RECEIVING SETS, RADIO-TRANSMITTING SETS, TELEVISION-RECEIVING SETS, TELEVISION-TRANSMITTING SETS, SOUND-AMPLIFIER SETS AND INSTRUMENTS. EASTERN AMPLIFIER CORPORATION, New York, N. Y.
Filed Oct. 18, 1945, Serial No. 489,950. Published Feb. 22, 1949. Class 21.

442,825. TREADLE, HAND, AIR, AND/OR MECHANICALLY OPERATED CLEANING MACHINES, ETC. GRAY COMPANY, INC., Minneapolis, Minn.
Filed Oct. 27, 1945, Serial No. 490,589. Published Feb. 22, 1949. Class 23.

442,826. ELECTRICAL EQUIPMENT AND SUPPLIES, ETC. INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, Washington, D. C.
Filed Nov. 9, 1945, Serial No. 491,325. Published Feb. 15, 1949. Class 21.

442,827. ELECTRICAL EQUIPMENT AND SUPPLIES—NAMELY, CONDUITS AND FITTINGS, ETC. INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, Washington, D. C.
Filed Nov. 9, 1945, Serial No. 491,329. Published Feb. 8, 1949. Class 21.

442,828. PERFUMERY. ANDREW PALAZZOLO, doing business as Andre-Lee, New York, N. Y.
Filed Dec. 15, 1945, Serial No. 493,392. Published Mar. 1, 1949. Class 6.

442,829. APPARATUS FOR PROTECTION AGAINST SHOCK CAUSED BY SHORT CIRCUITS, ETC. TECO SOCIETE ANONYME, Bois-de-Breux, near Liege, Belgium.
Filed Dec. 31, 1945, Serial No. 494,168. Published Feb. 22, 1949. Class 21.

442,830. CIGARS. MANUEL A. FERNANDES, Los Angeles, Calif.
Filed Feb. 23, 1946, Serial No. 497,066. Published Mar. 1, 1949. Class 17.

442,831. LIQUID LAUNDRY STARCH. HYCO PRODUCTS, Cincinnati, Ohio.
Filed Feb. 26, 1946, Serial No. 497,180. Published June 17, 1947. Class 6.

442,832. ARTICLES OF CHINAWARE, CROCKERY, POTTERY, EARTHENWARE, AND PORCELAIN—NAMELY, JARS, POTS, VASES, DISHES, SERVICE PLATES, ETC. SPAULDING & COMPANY, Chicago, Ill.
Filed Apr. 24, 1946, Serial No. 500,841. Published Feb. 15, 1949. Class 30.

442,833. TRACTORS EQUIPPED WITH HYDRAULIC POSITION CONTROL MECHANISM FOR TRACTOR MOUNTED IMPLEMENTS. DEERE & COMPANY, Moline, Ill.
Filed May 11, 1946, Serial No. 501,902. Published Feb. 22, 1949. Class 23.

442,834. ANT SYRUP, INSECT POWDER, MOTH SPRAY, FUNGUS SOLUTION, MOTH CRYSTALS, BED BUG SPRAY, FLY SPRAY, ROACH POWDER, RODENT GRAIN, PHOSPHORUS PASTE, POISON GRAIN, AND SODIUM FLUORIDE. PARAMOUNT PEST CONTROL SERVICE, Oakland, Calif.
Filed May 11, 1946, Serial No. 501,925. Published Feb. 22, 1949. Class 6.

442,835. CHEMICALS FOR PEST CONTROL. MICHIGAN CHEMICAL CORPORATION, St. Louis, Mich.
Filed May 28, 1946, Serial No. 502,911. Published Feb. 22, 1949. Class 6.

442,836. PERFUMES. WILLIAM S. HIERER, doing business as Henri Monet, Atlanta, Ga.
Filed June 3, 1946, Serial No. 503,198. Published Feb. 22, 1949. Class 6.

442,837. FLEXIBLE CABLE TYPE PORTABLE HAND MANIPULATED TOOLS FOR USE IN CLEANING SEWERS. SPARTAN TOOL COMPANY, Chicago, Ill.
Filed June 5, 1946, Serial No. 503,382. Published Feb. 22, 1949. Class 23.

442,838. MACHINE-TOOLS—NAMELY, JIG BORERS, DRILLING, BORING, AND MILLING MACHINES. SOCIETE GENEVOISE D'INSTRUMENTS DE PHYSIQUE, Geneva, Switzerland.
Filed June 12, 1946, Serial No. 503,766. Published Feb. 22, 1949. Class 23.

442,839. EYELASH AND EYEBROW GROOMER AND BEUTIFIER IN MASCARA FORM. GORDON GORDON, LTD., Chicago, Ill.
Filed June 14, 1946, Serial No. 503,901. Published July 20, 1948. Class 6.

442,840. MEDICINAL DOSAGES CONTAINING VITAMINS, MINERALS, AND HORMONES USED AS A MEDICINAL PREPARATION AND DIETARY SUPPLEMENT FOR TREATMENT OF THE BLOOD, MUSCLES, BONES, NERVOUS SYSTEM AND OTHER PARTS AND ORGANS OF THE BODY. HIGHTOWER LABORATORIES, Los Angeles, Calif.
Filed July 15, 1946, Serial No. 505,651. Published May 6, 1947. Class 6.

442,841. POWER SPRAY WASHERS FOR METAL CLEANING. PHILLIPS MANUFACTURING COMPANY, Chicago, Ill.
Filed July 24, 1946, Serial No. 506,195. Published Feb. 8, 1949. Class 23.

442,842. SPARK PLUGS. THE REFLEX SPARK PLUG COMPANY, Cleveland, Ohio.
Filed Aug. 23, 1946, Serial No. 507,927. Published Feb. 22, 1949. Class 21.

442,843. TOOTH PASTE. THE COUNTY PERFUMERY COMPANY, INC., Bloomfield, N. J.
Filed Oct. 24, 1946, Serial No. 511,381. Published Mar. 8, 1949. Class 6.

442,844. GROOVED MUSICAL RECORDINGS. WILLIAM R. QUINN, Houston, Tex.
Filed Nov. 18, 1946, Serial No. 512,795. Published Feb. 22, 1949. Class 38.

442,845. SHAVE CREAM. JOSEPH J. CONTE, Chicago, Ill.
Filed Dec. 13, 1946, Serial No. 514,238. Published Mar. 1, 1949. Class 4.

442,846. NON-SOLUBLE CUTTING OIL. SUN OIL COMPANY, Philadelphia, Pa.
Filed Dec. 18, 1946, Serial No. 514,507. Published Jan. 18, 1949. Class 15.

442,847. SPATULAS USED TO MIX COMESTIBLES SUCH AS MUSTARD, SAUCES, JAMS, JELLIES, OR TO MIX COSMETICS SUCH AS FACE POWDER AND FOR SIMILAR HOUSEHOLD USES. SPIR-IT, INC., Malden, Mass.
Filed Jan. 8, 1947, Serial No. 515,466. Published Feb. 22, 1949. Class 23.

442,848. LIQUID SOLVENT AND CLEANER FOR REMOVING TAR, WAX, OIL, AND GREASE FROM MACHINERY PARTS. PRACTICAL PRODUCTS COMPANY, Minneapolis, Minn.
Filed Jan. 25, 1947, Serial No. 516,376. Published Mar. 8, 1949. Class 4.

442,849. FRESH VEGETABLES. FARMERS EXCHANGE, INC., Onley, Va.
Filed Jan. 29, 1947, Serial No. 516,541. Published Feb. 22, 1949. Class 46.

442,850. SYNTHETIC RESIN PLASTICS FOR GENERAL USE IN THE INDUSTRIAL ARTS. PORTLAND PLASTICS LIMITED, London, England.
Filed Feb. 4, 1947, Serial No. 516,917. Published Mar. 1, 1949. Class 1.

442,851. PLASTIC MASSES HAVING RUBBER-LIKE PROPERTIES, OR MORE SPECIFICALLY PLASTIC, RUBBERY MASSES WHICH ARE BLENDS OF RUBBERLIKE HIGH POLYMERS AND VISCOUS PLASTICIZERS, AND ARE PRODUCED IN SLAB FORM FOR USE IN MODIFYING THE PROCESSING PROPERTIES OF SYNTHETIC AND RECLAIMED RUBBER. ADVANCE SOLVENTS & CHEMICAL CORPORATION, New York, N. Y.
Filed Feb. 18, 1947, Serial No. 517,683. Published Mar. 8, 1949. Class 1.

442,852. PORTABLE PERFUME DISPENSERS FOR COSMETIC USE COMPRISING AN EMPTY CONTAINER UTILIZING A CAPILLARY WICK. EDMILTON CORPORATION, Ridgefield, Conn.
Filed Feb. 20, 1947, Serial No. 517,838. Published Mar. 2, 1948. Class 2.

442,853. WILD BIRD SEED. THE J. CHAS. MCCULLOUGH SEED COMPANY, Cincinnati, Ohio.
Filed Mar. 15, 1947, Serial No. 519,077. Published Mar. 1, 1949. Class 46.

442,854. ELECTRICAL COMPONENTS — NAMELY, CONDENSERS, DRY CELL BATTERIES, RECEIVER TUBES, TRANSMITTER TUBES, TELEVISION TUBES, PHOTO-ELECTRIC CELLS, EXCITER LAMPS, PANEL LAMPS, VIBRATOR CONVERTERS. NATIONAL UNION RADIO CORPORATION, Newark, N. J.
Filed Apr. 15, 1947, Serial No. 520,783. Published Mar. 1, 1949. Class 21.

442,855. SMOKED MEATS—VIZ., HAM. STAHL-MEYER, INC., New York, N. Y.
Filed Apr. 24, 1947, Serial No. 521,293. Published Feb. 22, 1949. Class 46.

442,856. PERFUME AND TOILET WATER. MARIO C. MARRA, doing business as Jean Charles, Jackson Heights, N. Y.
Filed Sept. 16, 1946, Serial No. 509,155. Published Mar. 8, 1949. Class 6.

442,857. POCKET KNIVES MADE OF BASE METAL. H. BOKER & CO., INC., New York, N. Y.
Filed May 14, 1947, Serial No. 522,891. Published Feb. 22, 1949. Class 23.

442,858. VARIABLE GEAR AND BELT SPEED REDUCERS FOR USE BETWEEN PRIME MOVERS AND LOADS. STEPHENS-ADAMSON MFG. CO., Aurora, Ill.
Filed May 31, 1947, Serial No. 523,333. Published Jan. 18, 1949. Class 23.

442,859. CLEANING FLUID FOR REMOVAL OF ROAD TARS AND OILS FROM AUTOMOTIVE VEHICLES. LYON, INCORPORATED, Detroit, Mich.
Filed June 2, 1947, Serial No. 523,400. Published Feb. 22, 1949. Class 4.

442,860. DATES. SMYRNA IMPORTS CO. INC., New York, N. Y.
Filed June 2, 1947, Serial No. 523,432. Published Feb. 22, 1949. Class 46.

442,861. SYNTHETIC OIL AND SOLID DERIVATIVES THEREOF FOR USE AS ADDITIVES FOR GASOLINE, ETC. UNION CARBIDE AND CARBON CORPORATION, New York, N. Y.
Filed June 25, 1947, Serial No. 524,836. Published Feb. 22, 1949. Class 15.

442,862. CERAMIC GRINDING BODIES, AND CERAMIC ABRASIVE BODIES. OREFRACTION INCORPORATED, Pittsburgh, Pa.
Filed June 27, 1947, Serial No. 525,022. Published Feb. 22, 1949. Class 23.

442,863. FOODS FOR ANIMALS OF THE DOG FAMILY. NATIONAL CANINE PRODUCTS, INC., New York, and Brooklyn, N. Y.
Filed June 30, 1947, Serial No. 525,233. Published Feb. 22, 1949. Class 46.

442,864. STORAGE BATTERIES. SCRANTON BATTERY CORPORATION, Archbald, Pa.
Filed June 30, 1947, Serial No. 525,255. Published Mar. 1, 1949. Class 21.

442,865. CHEMICAL ANTI-FRICTION COMPOUND FOR RUBBER MOUNTINGS OR FITTINGS; INSECTICIDES; SHOCK ABSORBER FLUID, ETC. SUN OIL COMPANY, Philadelphia, Pa.
Filed July 1, 1947, Serial No. 525,420. Published Feb. 22, 1949. Class 6.

442,866. TYPEWRITER BASES COMPOSED OF METAL AND FELT FOR DETACHABLY ATTACHING THE TYPEWRITER TO A DESK AND REDUCING THE NOISE THEREFROM. BUSINESS MACHINE PRODUCTS, INC., New York, N. Y.
Filed July 3, 1947, Serial No. 525,785. Published Mar. 8, 1949. Class 50.

442,867. BRUSHES FOR USE IN ELECTRICAL APPARATUS AND ELECTRICAL MACHINES, GRANULAR CARBON FOR USE IN TELEPHONE TRANSMITTERS, ETC. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed July 3, 1947, Serial No. 525,925. Published Feb. 24, 1948. Class 21.

442,868. UPPER CYLINDER LUBRICATING OIL. SUN OIL COMPANY, Philadelphia, Pa.
Filed July 3, 1947, Serial No. 525,978. Published Jan. 18, 1949. Class 15.

442,869. UPPER CYLINDER LUBRICATING OIL. SUN OIL COMPANY, Philadelphia, Pa.
Filed July 3, 1947, Serial No. 525,979. Published Jan. 18, 1948. Class 15.

ACT OF 1920

These registrations are not subject to opposition.

442,870. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) GIRARD MANUFACTURING COMPANY, Jersey City, N. J.
Filed Sept. 5, 1946, Serial No. 508,520.

GIRARD
MFG. COMPANY

FOR TRUNKS, HAND BAGS, SUITCASES, MADE OF CANVAS, WOOD, PLASTIC MATERIALS, LEATHER OR COMBINATIONS THEREOF.
Claims use since 1906.

442,871. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HAROLD H. TANNER, doing business as Bestway Company, St. Paul, Minn. Filed Feb. 26, 1947, Serial No. 518,179.

BESTWAV

FOR COLD PERMANENT WAVE KIT WHICH INCLUDES COLD WAVING SOLUTION, A PACKAGE OF NEUTRALIZER IN POWDER FORM AND A PACKAGE OF CURLERS.
Claims use since Apr. 18, 1944.

442,872. (CLASS 38. PRINTS AND PUBLICATIONS.) GILLETTE PUBLISHING COMPANY, Chicago, Ill. Filed June 4, 1947, Serial No. 523,520.

Manual de
INGENIERIA
SANITARIA

FOR ANNUAL PUBLICATION.
Claims use since May 1945.

ACT OF 1946, PRINCIPAL REGISTER

510,477. LIQUID ANTI-ACID PREPARATION TO BE USED FOR STOMACH ULCERS. JOHN E. RESPONDEK, doing business as Fisher Company, Detroit, Mich.
Original filed Sept. 22, 1944, under the act of 1905; amended to application under act of 1946, Dec. 18, 1947, Serial No. 474,510. Published Mar. 1, 1949. Class 6.

510,478. FOOD PROCESSING MACHINES AND EQUIPMENT—VIZ., APPARATUS FOR THE CONTINUOUS PASTEURIZATION AND DEAERATION OF LIQUID AND SEMI-LIQUID FOODS, ETC. CHAIN BELT COMPANY, Milwaukee, Wis.
Original filed Aug. 20, 1945, under the act of 1905; amended to application under act of 1946, Sept. 29, 1947, Serial No. 487,308. Published Feb. 22, 1949. Class 23.

510,479. PROPANE, OXYGEN, HYDROGEN, ACETYLENE, CARBON DI-OXIDE, AND COMPRESSED AIR. KAY GASES CO., Chicago, Ill.
Original filed Dec. 8, 1945, under the act of 1905; amended to application under act of 1946, Apr. 17, 1946, Serial No. 492,925. Published Nov. 23, 1948. Class 6.

510,480. COTTON PICKERS, COTTON HARVESTERS, AND PARTS THEREOF. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Original filed Jan. 18, 1946, under the act of 1905; amended to application under act of 1946, July 12, 1947, Serial No. 494,973. Published Feb. 8, 1949. Class 23.

510,481. ELECTRONIC AND LIGHTING DEVICES—NAMELY, PHOTO-ELECTRIC TUBES, RECTIFIER TUBES, CHARGER BULBS, ELECTRONIC TUBES, PROJECTOR LAMPS, SPACE DISCHARGE LAMPS, NEON LAMPS, AND GAS DISCHARGE LAMPS. CONTINENTAL ELECTRIC COMPANY, Geneva, Ill.
Original filed May 28, 1946, under the act of 1905; amended to application under act of 1946, Dec. 16, 1947, Serial No. 502,856. Published Feb. 15, 1949. Class 21.

510,482. METALLIC FITTINGS AND ALLOYS INCLUDING ANODE RODS FOR PREVENTING CORROSION OF TANKS, LIQUID CONTAINERS, AND WATER HEATERS. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio.
Original filed May 29, 1946, under the act of 1905; amended to application under act of 1946, Nov. 5, 1947, Serial No. 502,948. Published Mar. 1, 1949. Class 21.

510,483. AXES, HAMMERS, HATCHETS, SPADES, SHOVELS, HOES, AND RAKES. THE AMERICAN FORK AND HOE COMPANY, Cleveland, Ohio.
Original filed July 25, 1946, under the act of 1905; amended to application under act of 1946, July 5, 1947, Serial No. 506,222. Published Feb. 22, 1949. Class 28.

510,484. CIGARS. JOSEPH B. MCGINTY, doing business as McGinty Cigar Company, Minneapolis, Minn.
Original filed Aug. 19, 1946, under the act of 1905; amended to application under act of 1946, July 5, 1947, Serial No. 507,647. Published Feb. 8, 1949. Class 17.

510,485. OIL WELL TOOLS—NAMELY, WHIPSTOCKS AND KNUCKLE JOINTS FOR WELL DRILLING AND SELF-ORIENTING DEFLECTING TOOLS FOR WELL DRILLING. EASTMAN OIL WELL SURVEY COMPANY, Denver, Colo.
Original filed Aug. 20, 1946, under the act of 1905; amended to application under act of 1946, Aug. 22, 1947, Serial No. 507,874. Published Feb. 22, 1949. Class 23.

510,486. HAND ACTUATED TOOLS FOR TRUING AND UNDERCUTTING COMMUTATORS. RITE TOOL, INC., Fall River, Mass.
Original filed Sept. 20, 1946, under the act of 1905; amended to application under act of 1946, Sept. 30, 1947, Serial No. 509,471. Published Feb. 22, 1949. Class 23.

510,487. RADIO RECEIVING SETS. THE AEOLIAN COMPANY, New York, N. Y.
Original filed Oct. 16, 1946, under the act of 1905; amended to application under act of 1946, Sept. 6, 1947, Serial No. 510,922. Published Mar. 1, 1949. Class 21.

510,488. DYE COMPOSITION FOR COLORING NATURAL FLOWERS. DWIGHT S. KEARNEY, doing business as The Color-Craft Co., Buffalo, N. Y.
Original filed Nov. 18, 1946, under the act of 1905; amended to application under act of 1946, Nov. 29, 1947, Serial No. 512,781. Published Mar. 1, 1949. Class 6.

510,489. COMBINATION MECHANICALLY AND ELECTRICALLY OPERATED DOOR OPENING MECHANISM. THE VENDO COMPANY, Kansas City, Mo.
Original filed Dec. 9, 1946, under the act of 1905; amended to application under act of 1946, Aug. 2, 1948, Serial No. 518,958. Published Mar. 1, 1949. Class 21.

510,490. WASHING POWDER. ALEXANDER R. PATTERSON, doing business as Lyman-Ross Co., Seattle, Wash.
Original filed Dec. 28, 1946, under the act of 1905; amended to application under act of 1946, Mar. 1, 1948, Serial No. 514,964. Published Feb. 22, 1949. Class 4.

510,491. MOLDED PLASTIC ARTICLES—NAMELY, RELAY BASES, BOBBINS FOR ELECTRICAL RELAYS AND SOLENOIDS, TERMINAL HEADS FOR ELECTRICAL CONNECTORS, ETC. INDUSTRIAL MOLDED PRODUCTS CO., INC., Chicago, Ill.
Original filed Jan. 3, 1947, under the act of 1905; amended to application under act of 1946, Sept. 10, 1947, Serial No. 515,226. Published Feb. 22, 1949. Class 21.

510,492. CAKE MAKE-UP AND CREME-PAK FACE POWDER. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Original filed Feb. 4, 1947, under the act of 1905; amended to application under act of 1946, Jan. 6, 1948, Serial No. 516,918. Published Mar. 1, 1949. Class 6.

510,493. FRESH VEGETABLES. RUSKIN VEGETABLE DISTRIBUTORS, Ruskin, Fla.
Original filed Feb. 8, 1947, under the act of 1905; amended to application under act of 1946, Nov. 17, 1947, Serial No. 517,200. Published Feb. 22, 1949. Class 46.

510,494. PORTABLE AND STATIONARY AIRCRAFT REFUELING SYSTEMS, ETC. THE WAYNE PUMP COMPANY, Fort Wayne, Ind.
Original filed Mar. 29, 1947, under the act of 1905; amended to application under act of 1946, Jan. 10, 1948, Serial No. 519,846. Published Feb. 22, 1949. Class 23.

510,495. FLOWER PLANTS. R. M. KELLOGG COMPANY, Three Rivers, Mich.
Original filed Apr. 7, 1947, under the act of 1905; amended to application under act of 1946, Feb. 19, 1948, Serial No. 520,281. Published Mar. 1, 1949. Class 1.

510,496. LAUNDRY MACHINERY AND EQUIPMENT—NAMELY, CLOTHES-SOAKING APPARATUS AND TANKS. DEVERS COMPANY, Racine, Wis.
Original filed Apr. 22, 1947, under the act of 1905; amended to application under act of 1946, Nov. 5, 1947, Serial No. 521,119. Published Mar. 1, 1949. Class 24.

510,497. ELECTRIC PHONOGRAPHS. SANDWICK-BOWEN CORPORATION, Bethesda, Md.
Original filed May 26, 1947, under the act of 1905; amended to application under act of 1946, Nov. 10, 1947, Serial No. 523,029. Published Mar. 1, 1949. Class 21.

510,498. COATED ABRASIVES. BEHR-MANNING CORPORATION, Troy, N. Y.
Original filed June 6, 1947, under the act of 1905; amended to application under act of 1946, July 17, 1947, Serial No. 523,643. Published Nov. 23, 1948. Class 4.

510,499. FIBER BOARD CARTONS. HUMMEL AND DOWNING COMPANY, Milwaukee, Wis.
Original filed June 6, 1947, under the act of 1905; amended to application under act of 1946, Aug. 15, 1947, Serial No. 523,872. Published Feb. 1, 1949. Class 2.

510,500. COAL. PEABODY COAL COMPANY, Chicago, Ill.
Original filed June 13, 1947, under the act of 1905; amended to application under act of 1946, Feb. 10, 1948, Serial No. 524,147. Published Mar. 1, 1949. Class 1.

510,501. POWER TRANSMISSION CHAINS AND PARTS THEREOF, INCLUDING BUT NOT LIMITED TO BICYCLE CHAINS, AND MOTORCYCLE CHAINS, ETC. DIAMOND CHAIN COMPANY, INC., Indianapolis, Ind.
Filed July 5, 1947, Serial No. 526,532. Published Feb. 22, 1949. Class 23.

510,502. COAL. PITTSBURGH CONSOLIDATION COAL COMPANY, Pittsburgh, Pa.
Filed July 5, 1947, Serial No. 526,576. Published Mar. 1, 1949. Class 1.

510,503. GAS ABSORBENTS, SPECIFICALLY, SODIUM-CALCIUM-HYDRATE. DEWEY AND ALMY CHEMICAL COMPANY, North Cambridge, Mass.
Filed July 5, 1947, Serial No. 526,701. Published Mar. 8, 1949. Class 9.

510,504. SAL SODA, WASHING SODA, MONOHYDRATED CARBONATE OF SODA, BAKING SODA, AND BICARBONATE OF SODA. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947, Serial No. 526,778. Published Sept. 14, 1948. Class 6.

510,505. FLUSHING APPARATUS COMPOSED OF A PUMP, A FILTER, A HOSE, VALVES, AND A TANK CONTAINING A HEATING ELEMENT, FOR INTERNAL COMBUSTION ENGINES. STANDARD UTILITIES, INC., Pasadena, Calif.
Filed July 5, 1947, Serial No. 526,840. Published Feb. 22, 1949. Class 23.

510,506. PAPER BAGS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 526,845. Published Feb. 22, 1949. Class 2.

510,507. BAGS AND SACKS MADE OF TEXTILE MATERIALS, PAPER, LAMINATED TEXTILE MATERIAL AND/OR PAPER AND MOISTURE RESISTANT MATERIAL. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 526,857. Published Feb. 22, 1949. Class 2.

510,508. FABRIC BAGS AND SACKS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 526,860. Published Feb. 22, 1949. Class 2.

510,509. FABRIC AND PAPER BAGS AND SACKS FOR CONTAINING PULVERIZED OR GRANULAR MATERIAL AND THE LIKE. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 526,874. Published Feb. 22, 1949. Class 2.

510,510. OLEOMARGARINE. ARMOUR AND COMPANY, doing business as Friedman Manufacturing Company, Chicago, Ill.
Filed July 5, 1947, Serial No. 526,978. Published Mar. 1, 1949. Class 46.

510,511. FABRIC AND PAPER BAGS AND SACKS FOR CONTAINING PULVERIZED OR GRANULAR MATERIAL AND THE LIKE. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 526,889. Published Feb. 22, 1949. Class 2.

510,512. ACETAMIDE, ACETIC ANHYDRIDE, ACETONE, ACID ACETIC, ACID ARSENIC, ETC. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed July 5, 1947, Serial No. 526,919. Published Mar. 1, 1949. Class 6.

510,513. CHLORINATED LIME. H. M. SINCLAIR, JR., trustee for the partnership, The Sinclair Manufacturing Company, Toledo, Ohio.
Filed July 5, 1947, Serial No. 527,004. Published Feb. 22, 1949. Class 6.

510,514. ELECTRIC-LIGHTING FIXTURES. THE EDWIN F. GUTH COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,019. Published Feb. 22, 1949. Class 21.

510,515. ELECTRIC LIGHTING FIXTURES. THE EDWIN F. GUTH COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,024. Published Feb. 22, 1949. Class 21.

510,516. FIXTURES FOR ELECTRIC LIGHTS. THE EDWIN F. GUTH COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,098. Published Mar. 1, 1949. Class 21.

510,517. QUICK-RELEASE PORTABLE WIRE SLACK PULLERS FOR TENSIONING ELECTRIC WIRE AND CABLE, ETC. W. N. MATTHEWS CORPORATION, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,130. Published Jan. 18, 1949. Class 23.

510,518. FIXTURES FOR ELECTRIC LIGHTS. THE EDWIN F. GUTH COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,161. Published Mar. 1, 1949. Class 21.

510,519. ELECTRICAL DOMESTIC AND COMMERCIAL SUCTION CLEANERS AND PARTS THEREFOR. THE HOOVER COMPANY, North Canton, Ohio.
Filed July 5, 1947, Serial No. 527,225. Published Mar. 1, 1949. Class 21.

510,520. WRITING INK. THE PARKER PEN COMPANY, Janesville, Wis.
Filed July 5, 1947, Serial No. 527,344. Published Feb. 22, 1949. Class 11.

510,521. LUBRICATING OILS AND GREASES. THE PURE OIL COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,353. Published Jan. 18, 1949. Class 15.

510,522. LUBRICATING OILS AND GREASES. JENKIN-GUERIN INC., St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,420. Published Feb. 22, 1949. Class 15.

510,523. FLEXIBLE SHAFTS OF METAL FOR DRIVING ROTARY TOOLS, ETC. WYRENBEEK & STAFF, INC., Chicago, Ill.
Filed July 5, 1947, Serial No. 527,657. Published Feb. 22, 1949. Class 23.

510,524. SUDSING CLEANER, CLEANSER, AND DETERGENT. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio.
Filed July 5, 1947, Serial No. 527,932. Published Feb. 15, 1949. Class 4.

510,525. AGRICULTURAL IMPLEMENTS—NAMELY, GRAIN DRILLS AND SEEDING MACHINES. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Minneapolis, Minn., now by merger Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota.
Filed July 11, 1947, Serial No. 528,359. Published Feb. 22, 1949. Class 23.

510,526. LUBRICATING OILS. QUAKER PETROLEUM COMPANY, also doing business as The Quaker Petroleum Co. Inc., Omaha, Nebr.
Filed July 12, 1947, Serial No. 528,509. Published Jan. 18, 1949. Class 15.

510,527. SELF-CONTAINED FIRE EXTINGUISHER VALVES, VALVE RESEATING TOOLS, RETHREADING DIES, SPECIAL REAMERS, REFACING TOOLS, VALVE WRENCHES, AND END WRENCHES. THE BARNIAN-BLESSING COMPANY, Chicago, Ill.
Filed July 16, 1947, Serial No. 528,686. Published Feb. 22, 1949. Class 23.

510,528. SEALING MACHINES FOR WRAPPED PACKAGES. QUIK-SEAL, INC., Kansas City, Mo.
Filed July 17, 1947, Serial No. 528,817. Published Feb. 22, 1949. Class 23.

510,529. FLUORESCENT LAMPS AND LIGHTING FIXTURES, USED FOR INDOOR ILLUMINATION. ELECTRO MANUFACTURING CORPORATION, Chicago, Ill.
Filed July 19, 1947, Serial No. 528,917. Published Mar. 1, 1949. Class 21.

510,530. VEGETABLE OILS FOR COOKING AND SALADS. VERONICA OLIVE OIL COMPANY, Oakland, Calif.
Filed July 21, 1947, Serial No. 529,115. Published Sept. 14, 1948. Class 46.

510,531. ROTARY PLOWS ADAPTED TO PERFORM PLOWING, DISKING, AND HARROWING OPERATIONS ON THE SOIL AND TO BE DRAWN THROUGH THE SOIL BY ADDITIONAL POWER MEANS AND PARTS OF SUCH PLOWS. CLIMAX INDUSTRIES, INC., Clinton, Iowa, assignor to Liberty Products Mfg. Co., Inc., Kansas City, Mo., a corporation of Missouri.
Filed July 25, 1947, Serial No. 529,436. Published Jan. 4, 1949. Class 23.

510,532. ELECTRIC LUMINAIRES AND ELECTRIC LIGHTING FIXTURES. THE F. W. WAKEFIELD BRASS COMPANY, Vermilion, Ohio.
Filed July 25, 1947, Serial No. 529,509. Published Mar. 1, 1949. Class 21.

510,533. MUSICAL, VARIOUS SOUND-EMITTING AND PERCUSSION INSTRUMENTS, ETC. C. G. CONN, LTD., Elkhart, Ind.
Filed July 18, 1947, Serial No. 529,528. Published Feb. 8, 1949. Class 35.

510,534. FILLING-LIQUIDS FOR LIQUID LEVEL GAUGE INSTRUMENTS. THE RELIANCE GAUGE COLUMN COMPANY, Cleveland, Ohio.
Filed July 26, 1947, Serial No. 529,697. Published Feb. 22, 1949. Class 6.

510,535. CONCRETE BURIAL VAULT HOIST APPARATUS. WILBERT W. HAASE, doing business as Winnebago Steel Products Company, Fond du Lac, Wis.
Filed July 31, 1947, Serial No. 530,066. Published Feb. 22, 1949. Class 23.

510,536. IMPREGNATING OR FILLING COMPOUNDS FOR PAPER OR VARNISHED CAMBRIC INSULATED ELECTRIC POWER CABLES, ETC. THE OKONITE-CALLENDER CABLE COMPANY, INCORPORATED, Paterson, N. J.
Filed July 31, 1947, Serial No. 530,116. Published Feb. 22, 1949. Class 21.

510,537. BUTTER AND EGGS. NATIONAL TEA CO., Chicago, Ill.
Filed Aug. 1, 1947, Serial No. 530,238. Published Mar. 1, 1949. Class 46.

510,538. IRONING TABLES, IRONING TABLE PAD AND COVER SETS, AND CLOTHES DRYING RACKS. THE J. R. CLARK COMPANY, Minneapolis and Spring Park, Minn.
Filed Aug. 4, 1947, Serial No. 530,374. Published Mar. 1, 1949. Class 24.

510,539. CONCRETE MIXING AND PAVING MACHINES. KOEHRING COMPANY, Milwaukee, Wis.
Filed Aug. 5, 1947, Serial No. 530,518. Published Feb. 22, 1949. Class 23.

510,540. SUDSING DETERGENT IN PASTE FORM. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed Aug. 5, 1947, Serial No. 530,563. Published Feb. 22, 1949. Class 4.

510,541. PREPARED BABY FOOD, PRINCIPALLY CONSISTING OF STRAINED OATMEAL, AND OTHER CEREALS. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed Aug. 6, 1947, Serial No. 530,681. Published Feb. 22, 1949. Class 46.

510,542. METAL VENTILATORS TO BE INSTALLED IN DOORS, WINDOWS, WALLS, TRANSOMS, ETC. ELLISON LOUVRE COMPANY, INC., Marietta, Ohio.
Filed Aug. 7, 1947, Serial No. 530,748. Published Feb. 8, 1949. Class 12.

510,543. ALUMINUM AND STEEL PREFABRICATED BUILDING STRUCTURES. COWIN & CO. INC., Minneapolis, Minn.
Filed Aug. 9, 1947, Serial No. 530,921. Published Feb. 15, 1949. Class 12.

510,544. CONSTRUCTION MACHINES—I. E., CONCRETE MIXERS, ETC. THE JAEGER MACHINE COMPANY, Columbus, Ohio.
Filed Aug. 9, 1947, Serial No. 530,937. Published Feb. 22, 1949. Class 23.

510,545. ELECTRICALLY POWERED DISH WASHING MACHINES, AND GLASS WASHING MACHINES, ETC. G. S. BLAKESLEE & CO., Chicago, Ill.
Filed Aug. 13, 1947, Serial No. 531,193. Published Feb. 22, 1949. Class 23.

510,548. SHREDDED COCONUT. FAR EASTERN MANUFACTURING CO., Long Island City, N. Y.
Filed Aug. 14, 1947, Serial No. 531,320. Published Feb. 22, 1949. Class 46.

510,547. CANNED VEGETABLES, CANNED BERRIES, AND JAMS MADE OF FRUITS. CLEMENT PAPPAS & CO., Cedarville, N. J.
Filed Aug. 14, 1947, Serial No. 531,358. Published JAN. 11, 1949. Class 46.

510,548. OFFICE COMPOSING MACHINES, AND REPAIR PARTS THEREFOR. RALPH C. COXHEAD CORPORATION, New York, N. Y.
Filed Aug. 18, 1947, Serial No. 531,653. Published Feb. 22, 1949. Class 23.

510,549. FRAMES FOR CARRYING PRINTING PLATES, AND INDEX TABS. ADDRESSOGRAPH-MULTIGRAPH CORPORATION, Cleveland, Ohio.
Filed Aug. 20, 1947, Serial No. 531,874. Published Feb. 22, 1949. Class 23.

510,550. BOTTLE CRUSHERS FOR BREAKING INTO FRAGMENTS BEVERAGE BOTTLES AND THE LIKE. WILLIAM CARMEL, Chicago, Ill.
Filed Aug. 20, 1947, Serial No. 531,888. Published Feb. 15, 1949. Class 33.

510,551. CANNED FRUITS, VEGETABLES, APPLESAUCE, FRUIT COCKTAIL, SALMON, TUNA FISH, PORK AND BEANS, CATSUP, VINEGAR, COFFEE, SANDWICH SPREAD, PREPARED MUSTARD, MAYONNAISE, AND SPICES. H. P. LAU CO., Lincoln, Nebr.
Filed Aug. 22, 1947, Serial No. 532,139. Published Mar. 1, 1949. Class 46.

510,552. MACHINES FOR PREPARING, TILLING, AND CULTIVATING SOIL. ARIENS COMPANY, Brillion, Wis.
Filed Aug. 23, 1947, Serial No. 532,190. Published Feb. 22, 1949. Class 23.

510,553. PETROLEUM WAXES. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed Aug. 25, 1947, Serial No. 532,265. Published Feb. 8, 1949. Class 15.

510,554. ROTATABLE SPATULA. PAUL GRANCELL, doing business as Paul Grancell Co., Los Angeles, Calif.
Filed Aug. 25, 1947, Serial No. 532,288. Published Feb. 22, 1949. Class 23.

510,555. WATER HEATERS USING GAS AS A FUEL. SOUTHERN HEATER CORPORATION, Compton, Calif.
Filed Aug. 25, 1947, Serial No. 532,355. Published Jan. 18, 1949. Class 34.

510,556. SUNTAN OIL. VERNON AND VERMONT PHARMACY, doing business as Betan Company, Los Angeles, Calif.
Filed Aug. 26, 1947, Serial No. 532,529. Published Feb. 22, 1949. Class 6.

510,557. PORTABLE CONTROL MECHANISM FOR RADIO-RECEIVING SETS DESIGNED FOR TURNING ON OR OFF COMMERCIAL PROGRAMS AT THE WILL OF THE OPERATOR. BOSTON IMPLEMENT CO., Boston, Mass.
Filed Aug. 27, 1947, Serial No. 532,551. Published Mar. 1, 1949. Class 21.

510,558. CARPET WOOLS. LAHUSEN & CIA. LTDA., Buenos Aires, Argentina.
Filed July 5, 1947, Serial No. 532,664. Published Mar. 1, 1949. Class 1.

510,559. BABY CHICKS. IOWA MASTER BREEDERS, INCORPORATED, Onawa and Sioux City, Iowa.
Filed Sept. 2, 1947, Serial No. 533,026. Published Mar. 1, 1949. Class 1.

510,560. DETERGENT COMPOUND FOR USE IN INDUSTRIAL AND DOMESTIC CLEANING. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed Sept. 2, 1947, Serial No. 533,097. Published Feb. 22, 1949. Class 4.

510,561. ALKALINE DETERGENT COMPOUND FOR INDUSTRIAL CLEANING AND WASHING PURPOSES, ESPECIALLY FOR BOTTLE WASHING IN THE FOOD AND BEVERAGE INDUSTRIES. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed Sept. 2, 1947, Serial No. 533,098. Published Feb. 22, 1949. Class 4.

510,562. ALKALINE DETERGENT COMPOUND FOR INDUSTRIAL LAUNDERING. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed Sept. 2, 1947, Serial No. 533,099. Published Feb. 22, 1949. Class 4.

510,563. CLEANING COMPOUND ESPECIALLY ADAPTED FOR METAL CLEANING. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed Sept. 2, 1947, Serial No. 533,102. Published Feb. 22, 1949. Class 4.

510,564. BARRELS AND DRUMS OF STEEL AND FIBER OR BOTH. THE GRAY BROS. COOPERAGE CORPORATION, Cleveland, Ohio.
Filed Sept. 5, 1947, Serial No. 533,561. Published Feb. 22, 1949. Class 2.

510,565. SOUND AMPLIFYING ATTACHMENTS FOR MUSICAL INSTRUMENTS OF THE STRING AND REED TYPES. THE FLOTATONE COMPANY, Milwaukee, Wis.
Filed Sept. 6, 1947, Serial No. 533,671. Published Mar. 1, 1949. Class 21.

510,566. CANNED VEGETABLES. THE HOCOMLAND PACKING CO., INC., Franklin, Ind.
Filed Sept. 9, 1947, Serial No. 533,894. Published Mar. 1, 1949. Class 46.

510,567. GARMENT BAGS AND SHOE BAGS MADE OF PLASTIC FILM AND TEXTILES. HENRY A. ENRICH & CO., INC., New York, N. Y.
Filed Sept. 12, 1947, Serial No. 534,258. Published Mar. 8, 1949. Class 2.

510,568. STEAK KNIVES MADE OF NON-PRECIOUS MATERIALS. GERBER LEGENDARY BLADES, Portland, Oreg.
Filed Sept. 16, 1947, Serial No. 534,622. Published Feb. 15, 1949. Class 23.

510,569. PRINTING INKS. J. M. HUBER CORPORATION, Locust, N. J., and New York, N. Y.
Filed Sept. 16, 1947, Serial No. 534,630. Published Feb. 22, 1949. Class 11.

510,570. CUTTING OILS. D. A. STUART OIL CO., LIMITED, Chicago, Ill.
Filed Sept. 16, 1947, Serial No. 534,690. Published Feb. 15, 1949. Class 15.

510,571. PRINTING INKS AND OFFSET COMPOUNDS, I. E., COMPOUNDS FOR USE WITH PRINTING INKS TO PREVENT OFFSETTING ON PRINTED SHEETS. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed Sept. 17, 1947, Serial No. 534,784. Published Feb. 22, 1949. Class 11.

510,572. HACK-SAW FRAMES, HACK-SAW BLADES, NAIL PULLERS, AND AUTOMOTIVE TOOLS AND ACCESSORIES—TO WIT, VALVE SPRING LIFTERS, ETC. K-D MANUFACTURING COMPANY, Lancaster, Pa.
Filed Sept. 18, 1947, Serial No. 534,894. Published Feb. 15, 1949. Class 23.

510,573. MECHANICALLY GROOVED PHONOGRAPH RECORDS. MODERN MELODIES, INC., Chicago, Ill.
Filed Sept. 18, 1947, Serial No. 534,911. Published Feb. 22, 1949. Class 36.

510,574. WALNUTS IN THE SHELL AND SHELLED WALNUTS. CALIFORNIA WALNUT GROWERS ASSOCIATION, Los Angeles, Calif.
Filed Sept. 19, 1947, Serial No. 534,993. Published Mar. 1, 1949. Class 46.

510,575. MILLING CUTTERS. NATIONAL TWIST DRILL & TOOL COMPANY, Rochester, Mich.
Filed Sept. 22, 1947, Serial No. 535,255. Published Feb. 15, 1949. Class 23.

510,576. HARD WHEAT FLOUR. CHICKASHA MILLING COMPANY, Chickasha, Okla.
Filed Sept. 24, 1947, Serial No. 535,482. Published Feb. 22, 1949. Class 46.

510,577. DOG FOOD. HILL PACKING COMPANY, Topeka, Kans.
Filed Sept. 24, 1947, Serial No. 535,526. Published Feb. 22, 1949. Class 46.

510,578. DOG FOOD. HILL PACKING COMPANY, Topeka, Kans.
Filed Sept. 24, 1947, Serial No. 535,527. Published Feb. 22, 1949. Class 46.

510,579. GASOLINE. PATE OIL COMPANY, Milwaukee, Wis.
Filed Sept. 24, 1947, Serial No. 535,606. Published Feb. 22, 1949. Class 15.

510,580. BAGS MADE OF CLOTH AND WIRE FOR TOYS. S. & F. COMPANY, Hartford, Conn.
Filed Sept. 24, 1947, Serial No. 535,632. Published Feb. 22, 1949. Class 2.

510,581. POULTRY FEEDERS, POULTRY DRINKING FOUNTAINS OF THE TYPE EMBODYING AN INVERTED LIQUID CONTAINER. UNITED CO-OPERATIVES, INC., Alliance, Ohio.
Filed Sept. 26, 1947, Serial No. 535,907. Published Mar. 1, 1949. Class 50.

510,582. ASPHALTIC ROLL ROOFING, THICK BUTT STRIP SHINGLES, AND HEXAGONAL SHINGLES. UNITED CO-OPERATIVES, INC., Alliance, Ohio.
Filed Sept. 26, 1947, Serial No. 535,908. Published Feb. 8, 1949. Class 12.

510,583. MEDICATED PREPARATIONS IN TABLET FORM FOR HUMAN USE IN THE TREATMENT OF RHEUMATISM, ETC. ALLIED LABORATORIES LIMITED, London, England.
Filed Sept. 27, 1947, Serial No. 535,919. Published Feb. 22, 1949. Class 6.

510,584. EARTH WORKING, CONSTRUCTION, AND INDUSTRIAL EQUIPMENT, ETC. R. G. LE TOURNEAU, INC., Stockton, Calif., and Peoria, Ill.
Filed Sept. 27, 1947, Serial No. 535,972. Published Jan. 25, 1949. Class 23.

510,585. CAN OPENERS, JAR OPENERS, AND KNIFE SHARPENERS. STEEL PRODUCTS MANUFACTURING COMPANY, St. Louis, Mo.
Filed Sept. 27, 1947, Serial No. 536,006. Published Feb. 15, 1949. Class 23.

510,586. LIFTING MECHANISMS—NAMELY, LIFTING JACKS, AUTOMOBILE LIFTS, MATERIAL LIFTS AND HYDRAULIC ELEVATORS, AND PARTS THEREOF. THE JOYCE-CRIDLAND CO., Dayton, Ohio.
Filed Sept. 29, 1947, Serial No. 536,093. Published Feb. 22, 1949. Class 23.

510,587. HYDRAULIC LIFTING JACKS. THE JOYCE-CRIDLAND CO., Dayton, Ohio.
Filed Sept. 29, 1947, Serial No. 536,094. Published Feb. 15, 1949. Class 23.

510,588. LUBRICATING OILS. CARDINAL CHEMICAL CORPORATION, Newark, N. J.
Filed Oct. 2, 1947, Serial No. 536,496. Published Feb. 22, 1949. Class 15.

510,589. DIRECT AND ALTERNATING CURRENT MOTORS, GENERATORS, MOTOR-GENERATORS, DYNAMOTORS, AND ROTARY CONVERTERS. ELECTRIC SPECIALTY COMPANY INCORPORATED, Stamford, Conn.
Filed Oct. 2, 1947, Serial No. 536,510. Published Feb. 22, 1949. Class 21.

510,590. DAIRY EQUIPMENT CLEANSER. WESTVACO CHLORINE PRODUCTS CORPORATION, New York, N. Y., Carteret, N. J., South Charleston, W. Va., and Newark, Calif., now by change of name and merger to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware.
Filed Oct. 2, 1947, Serial No. 536,568. Published Feb. 15, 1949. Class 4.

510,591. PERFUME, TOILET WATER, COMPACTS MADE OF NON-PRECIOUS MATERIALS CONTAINING POWDER AND ROUGE WHEN SOLD IN TRADE, LIPSTICK, ROUGE, FACE POWDER, ETC. AVON PRODUCTS, INC., New York, N. Y.
Filed Oct. 3, 1947, Serial No. 536,575. Published Feb. 22, 1949. Class 6.

510,592. MECHANICALLY GROOVED MUSICAL RECORDINGS. DOROTHY LANE, doing business as Concord Recordings, Chicago, Ill.
Filed Oct. 3, 1947, Serial No. 536,621. Published Feb. 22, 1949. Class 36.

510,593. ELECTRIC RESISTANCE UNITS OR TUBES OR COILS, ELECTRIC RHEOSTATS, ELECTRIC MOTOR STARTERS, ETC. WARD LEONARD ELECTRIC COMPANY, Mount Vernon, N. Y.
Filed Oct. 4, 1947, Serial No. 536,825. Published Feb. 15, 1949. Class 21.

510,594. GUITARS, MANDOLINS, VIOLINS, BANJOS, UKELELES, AND CASES THEREFOR, STRINGS FOR FRETTED INSTRUMENTS, AND VIOLIN BOWS. GIBSON, INCORPORATED, Kalamazoo, Mich.
Filed Oct. 6, 1947, Serial No. 536,891. Published Mar. 8, 1949. Class 36.

510,595. FRESH CITRUS FRUITS. SANGER CITRUS ASSOCIATION, Sanger, Calif.
Filed Oct. 6, 1947, Serial No. 536,956. Published Mar. 1, 1949. Class 46.

510,596. PIANOS. C. G. CONN, LTD., Elkhart, Ind.
Filed Oct. 7, 1947, Serial No. 537,012. Published Mar. 1, 1949. Class 36.

510,597. FLAT LEATHER BELTING. J. E. RHOADS & SONS, Philadelphia, Pa.
Filed Oct. 8, 1947, Serial No. 537,241. Published Mar. 1, 1949. Class 35.

510,598. ACCORDIONS. TRAFICANTE, Minneapolis, Minn.
Filed Oct. 8, 1947, Serial No. 537,255. Published Mar. 8, 1949. Class 36.

510,599. MANGE REMEDY FOR EXTERNAL USE ON ANIMALS AND PARTICULARLY ON DOGS AND CATS. ELVA H. BRADFORD, doing business as Presto Mange Remedy Company, Oklahoma City, Okla.
Filed Oct. 9, 1947, Serial No. 537,285. Published Mar. 8, 1949. Class 6.

510,600. FOLDING PAPER BOXES—NAMELY, COVERED BOXES, BOX BODIES, AND BOX COVERS, COUNTER DISPLAYS, HANDLED CARRIERS FOR BEVERAGE BOTTLES AND THE LIKE, BOXES WITH OPEN WINDOWS AND TRANSPARENT WINDOWS, SHIPPING CARTONS, AND FLAT BLANKS FOR FORMING BOXES. ROBERTSON PAPER BOX COMPANY, INC., Montville, Conn.
Filed Oct. 9, 1947, Serial No. 537,364. Published Mar. 8, 1949. Class 2.

510,601. SPECIALLY PREPARED LOOSE FILL THERMAL INSULATION COMPOSED OF WOOD AND PAPER. WALTER C. JANISCH, doing business as Janisch Roofing Company, Janesville, Wis.
Filed Oct. 10, 1947, Serial No. 537,456. Published Feb. 8, 1949. Class 12.

510,602. WAX-LINED PAPER DISHES. STETENS & THOMPSON PAPER COMPANY, Greenwich, N. Y.
Filed Oct. 10, 1947, Serial No. 537,461. Published Mar. 8, 1949. Class 2.

510,603. INSULATED WATERPROOF BAGS MADE OF PLASTIC OR FABRIC MATERIAL FOR CARRYING BABY BOTTLES OR THE LIKE. UTILITY PRODUCTS CO., Romford, R. I.
Filed Oct. 10, 1947, Serial No. 537,461. Published Mar. 8, 1949. Class 2.

510,604. CEMENT COLORING MATERIAL, FOR MORTAR COLORING MATERIAL, FOR FURNACE CEMENT AND FOR FIREBRICK CEMENT. CLINTON METALLIC PAINT COMPANY, Clinton, N. Y.
Filed Oct. 11, 1947, Serial No. 537,563. Published Feb. 15, 1949. Class 12.

510,605. AUTOMOBILE LIGHT USED AS A FLOOD, FOG OR SAFETY PASSING LIGHT. WIX ACCESSORIES CORPORATION, Gastonia, N. C.
Filed Oct. 16, 1947, Serial No. 538,059. Published Mar. 1, 1949. Class 21.

510,606. LUBRICATING OILS AND GREASES. TOPP OIL & CHEMICAL CO., Milwaukee, Wis.
Filed Oct. 17, 1947, Serial No. 538,199. Published Jan. 18, 1949. Class 15.

510,607. INTERIOR AND EXTERIOR SCAFFOLDS. WILSON-ALBRECHT CO. INC., Minneapolis, Minn.
Filed Oct. 17, 1947, Serial No. 538,214. Published Mar. 1, 1949. Class 50.

510,608. CANVAS GOODS—NAMELY, TENTS, AWNINGS, AND TARPAULINS. BAKER-LOCKWOOD AWNING & TENT COMPANY, Kansas City, Mo.
Filed Oct. 20, 1947, Serial No. 538,344. Published Mar. 1, 1949. Class 50.

510,609. FRESH VEGETABLES AND FROZEN VEGETABLES. BRENDLIN-RICE AND COMPANY, San Luis Obispo, Calif.
Filed Oct. 20, 1947, Serial No. 538,350. Published Feb. 22, 1949. Class 46.

510,610. FOLDING IRONING BOARD. WASHINGTON MISSIONARY COLLEGE, Takoma Park, Md.
Filed Oct. 20, 1947, Serial No. 538,478. Published Feb. 1, 1949. Class 24.

510,611. TELEVISION TRANSMITTING AND RECEIVING APPARATUS. DIAMOND POWER SPECIALTY CORPORATION, Detroit, Mich.
Filed Oct. 25, 1947, Serial No. 539,035. Published Feb. 22, 1949. Class 21.

510,612. FRESH CITRUS FRUITS. W. H. CLARK FRUIT COMPANY, Jacksonville, Fla.
Filed Oct. 27, 1947, Serial No. 539,134. Published Feb. 22, 1949. Class 46.

510,613. LUBRICATING OILS FOR AIRPLANES. PREMIER OIL REFINING COMPANY OF TEXAS, Longview, Tex.
Filed Oct. 28, 1947, Serial No. 539,347. Published Feb. 22, 1949. Class 15.

510,614. ACCORDIONS. C. G. CONN, LTD., Elkhart, Ind.
Filed Oct. 29, 1947, Serial No. 539,397. Published Mar. 1, 1949. Class 36.

510,615. LUBRICATING OILS AND GREASES. TOPP OIL & CHEMICAL CO., Milwaukee, Wis.
Filed Oct. 29, 1947, Serial No. 539,459. Published Feb. 22, 1949. Class 15.

510,616. SMALL ELECTRIC ALTAR AND TABLE CROSSES. CANNINO TRADING COMPANY, Fort Worth, Tex.
Filed Oct. 30, 1947, Serial No. 539,490. Published Mar. 1, 1949. Class 50.

510,617. NON-METALLIC CABLE CONDUIT OR TUBE. EASTERN TUBE AND TOOL CO., INC., Brooklyn, N. Y.
Filed Oct. 30, 1947, Serial No. 539,503. Published Feb. 15, 1949. Class 21.

510,618. WATCH CRYSTALS. AMERICAN PERFIT CRYSTAL CORPORATION, New York, N. Y.
Filed Oct. 31, 1947, Serial No. 539,616. Published Feb. 22, 1949. Class 33.

510,619. CHEWING AND SMOKING TOBACCO. THE BLOCH BROTHERS TOBACCO CO., Wheeling, W. Va.
Filed Oct. 31, 1947, Serial No. 539,636. Published Mar. 1, 1949. Class 17.

510,620. PHONOGRAPH NEEDLES. THE BOYD NEEDLE COMPANY, Chicago, Ill.
Filed July 7, 1947, Serial No. 539,805. Published Feb. 22, 1949. Class 36.

510,621. LINE TAP CLAMPS (SCREW TYPE AND SNAP TYPE), TAP CONNECTIONS, GROUNDING SETS COMPRISING MOUNTED CLUSTERS OF TAP CLAMPS AND SUPPORTS THEREFOR, ETC. A. B. CHANCE COMPANY, Centralia, Mo.
Filed Nov. 7, 1947, Serial No. 540,383. Published Feb. 15, 1949. Class 21.

510,622. CARBON BINDER SOLVENT, SLUDGE SOLVENT, AND SOOT REMOVER. LEO J. SAUERBORN, doing business as Lubaid Company, Milwaukee, Wis.
Filed Nov. 7, 1947, Serial No. 540,459. Published Oct. 5, 1948. Class 6.

510,623. PLASTIC BOWLS. TUPPER CORPORATION, Farnumsville, Mass.
Filed Nov. 7, 1947, Serial No. 540,492. Published Mar. 8, 1949. Class 2.

510,624. TOOL CHESTS OF METAL AND SOLD EMPTY. UNION STEEL CHEST CORPORATION, Le Roy, N. Y.
Filed Nov. 7, 1947, Serial No. 540,495. Published Mar. 8, 1949. Class 2.

510,625. CLEANING, DISINFECTING, GERMICIDAL, AND DEODORIZING COMPOUND FOR LAUNDRY AND GENERAL HOUSEHOLD USE. VINCENT TISIO, doing business as Fifty-Fifty Manufacturing Co., Brooklyn, N. Y.
Filed Nov. 10, 1947, Serial No. 540,739. Published Feb. 22, 1949. Class 6.

510,626. LIQUID OBTAINED FROM PINE WOOD BY DISTILLATION USED AS A SOFTENER, ETC. GODFREY L. CABOT, INC., Boston, Mass.
Filed Nov. 12, 1947, Serial No. 540,773. Published Feb. 22, 1949. Class 6.

510,627. INSECTICIDE. WESTVACO CHLORINE PRODUCTS CORPORATION, South Charleston, W. Va., Newark, Calif., and New York, N. Y.
Filed Nov. 12, 1947, Serial No. 540,950. Published Mar. 1, 1949. Class 6.

510,628. MIXED FATTY ACIDS. ARMOUR AND COMPANY, Chicago, Ill.
Filed Nov. 13, 1947, Serial No. 540,961. Published Mar. 1, 1949. Class 6.

510,629. DEODORANT FOR USE IN HOUSEHOLDS, HOTELS, HOSPITALS, SCHOOLS, ETC. MIKE S. GOLDBERG, doing business as Central Chemical Company, Dallas, Tex.
Filed Nov. 14, 1947, Serial No. 541,182. Published Mar. 1, 1949. Class 6.

510,630. MECHANICALLY GROOVED SOUND RECORDS. NATIONAL BROADCASTING COMPANY, INC., New York, N. Y.
Filed Nov. 15, 1947, Serial No. 541,322. Published Mar. 8, 1949. Class 36.

510,631. FRESH VEGETABLES. PAUL A. RUTH, doing business as Paul A. Ruth Company, Tolleson, Ariz.
Filed Nov. 17, 1947, Serial No. 541,468. Published Feb. 22, 1949. Class 46.

510,632. UNHYDROLYZED PROTEIN GRANULES INTENDED AS A DIETARY SUPPLEMENT TO SUPPLY VARIOUS VITAMIN AND MINERAL DEFICIENCIES. BRISTOL LABORATORIES INC., Syracuse, N. Y.
Filed Nov. 18, 1947, Serial No. 541,507. Published Mar. 1, 1949. Class 6.

510,633. PERFUMES, TOILET WATERS, PREPARATIONS FOR THE HAIR, ETC. DELAVELLE (G. B.) Limited, London N. 1, England.
Filed Nov. 18, 1947, Serial No. 541,521. Published Feb. 22, 1949. Class 6.

510,634. SKIN LOTION. THE HERB FARM SHOP, LTD., Elizabeth, N. J.
Filed Nov. 17, 1947, Serial No. 541,824. Published Feb. 22, 1949. Class 6.

510,635. CRUSHED FIRE BRICK AGGREGATE. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed Nov. 20, 1947, Serial No. 541,856. Published Feb. 8, 1949. Class 12.

510,636. REFRACTORY COATING MATERIAL. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed Nov. 22, 1947, Serial No. 542,038. Published Feb. 8, 1949. Class 12.

510,637. DIETARY MINERAL FEED SUPPLEMENT FOR LIVESTOCK AND POULTRY IN THE NATURE OF A NATURALLY OCCURRING GROUND MINERAL, ETC. IMPERIAL MINERALS, INC., Denver, Colo.
Filed Nov. 24, 1947, Serial No. 542,135. Published Feb. 22, 1949. Class 6.

510,638. ELECTRIC PRESSING IRONS, ELECTRIC STEAM IRONS, ETC. REMMERS ELECTRIC APPLIANCE COMPANY, INC., West New York, N. J.
Filed Nov. 24, 1947, Serial No. 542,169. Published Mar. 1, 1949. Class 21.

510,639. WHOLE WHEAT FLOUR, WHOLE WHEAT MEAL, ETC. ELAM MILLS, INC., Chicago, Ill.
Filed Aug. 13, 1947, Serial No. 542,216. Published Feb. 22, 1949. Class 46.

510,640. PERFUMES, COLOGNES, AND TOILET WATERS. ANTONIO LÓPEZ JIMINEZ, Almeria, Spain.
Filed Nov. 25, 1947, Serial No. 542,321. Published Feb. 22, 1949. Class 6.

510,641. CANNED FISH, CANNED FRUITS, EVAPORATED CANNED MILK, ETC. TWIN CITY WHOLESALE GROCER CO., St. Paul, Minn.
Filed Sept. 27, 1947, Serial No. 542,422. Published Feb. 15, 1949. Class 46.

510,642. QUICK SETTING NON-SHRINKING CEMENT FOR REPAIRING CONCRETE AND MASONRY. THE HALLEMITE MANUFACTURING CO., Cleveland, Ohio.
Filed Nov. 28, 1947, Serial No. 542,565. Published Feb. 15, 1949. Class 12.

510,643. SCYTHE SNATHS. STA-TITE SNATH COMPANY, Shelbyville, Ind.
Filed Nov. 28, 1947, Serial No. 542,677. Published Feb. 8, 1949. Class 28.

510,644. STOGIES. AUGUSTUS POLLACK, INCORPORATED, Wheeling, W. Va.
Filed Dec. 1, 1947, Serial No. 542,879. Published Mar. 1, 1949. Class 17.

510,645. ELECTRICAL FANS AND PORTABLE ELECTRICAL KNIFE SHARPENERS COMPRISED OF AN ABRASIVE WHEEL CONNECTED WITH AN ELECTRIC MOTOR, AND HOUSING THEREFOR. G-M LABORATORIES, INC., Chicago, Ill.
Filed Dec. 3, 1947, Serial No. 543,173. Published Mar. 1, 1949. Class 21.

510,646. CIGARS. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J.
Filed Dec. 5, 1947, Serial No. 543,490. Published Mar. 1, 1949. Class 17.

510,647. FIBER BOARD FOR CONSTRUCTION PURPOSES. CORALTEX, INC., Los Angeles, Calif.
Filed Dec. 9, 1947, Serial No. 543,788. Published Feb. 15, 1949. Class 12.

510,648. ARTIFICIAL VANILLA FLAVOR FOR FOOD PURPOSES. DAVID MICHAEL AND COMPANY, INCORPORATED, Philadelphia, Pa.
Filed Dec. 10, 1947, Serial No. 543,954. Published Feb. 22, 1949. Class 46.

510,649. CIGARS. H. ANTON BOCK CO. INC., New York, N. Y.
Filed Dec. 11, 1947, Serial No. 544,035. Published Mar. 1, 1949. Class 17.

510,650. PICKLES—NAMELY, SWEET PICKLES, SWEET MIXED PICKLES, SOUR PICKLES, DILL PICKLES, SWEET ROUND-CUT PICKLES, MIDGET SWEET WHOLE PICKLES, ETC. CHAS. F. CATES & SONS, INC., Faison, N. C.
Filed Dec. 11, 1947, Serial No. 544,063. Published Feb. 22, 1949. Class 46.

510,651. HORMONE CONTAINING LIQUID FOR PARENTERAL USE. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed Dec. 12, 1947, Serial No. 544,232. Published Feb. 22, 1949. Class 6.

510,652. HORMONE CONTAINING LIQUID FOR PARENTERAL USE. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed Dec. 12, 1947, Serial No. 544,233. Published Mar. 1, 1949. Class 6.

510,653. CANNED DOG FOOD. DOYLE PACKING COMPANY, Los Angeles, Calif.
Filed Dec. 16, 1947, Serial No. 544,426. Published Feb. 22, 1949. Class 46.

510,654. CIGARS. WOLF BROS. & Co., Red Lion, Pa.
Filed Dec. 16, 1947, Serial No. 544,491. Published Mar. 1, 1949. Class 17.

510,655. ODOR MASK FOR USE IN ALL MANNER OF MANUFACTURING PROCESSES AND PRODUCTS, PARTICULARLY THOSE INVOLVING ELEVATED TEMPERATURES, FOR EXAMPLE, PLASTICS, LEATHER, RUBBER, ETC. FRITZSCHE BROTHERS, INC., New York, N. Y.
Filed Dec. 17, 1947, Serial No. 544,563. Published Mar. 1, 1949. Class 6.

510,656. MECHANICALLY GROOVED PHONOGRAPH RECORDS AND PHONOGRAPH RECORD ALBUMS SOLD EMPTY IN THE TRADE. RAZOR CORPORATION, New York, N. Y.
Filed Dec. 18, 1947, Serial No. 544,765. Published Feb. 22, 1949. Class 36.

510,657. HYDROGENATED WHOLE COCOANUT OIL, FOR USE IN THE MANUFACTURE OF CANDY. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio.
Filed Dec. 19, 1947, Serial No. 544,846. Published Feb. 22, 1949. Class 46.

510,658. CHEMICALS—NAMELY, CALCIUM CHLORIDE, SODIUM HYDROXIDE AND POTASSIUM FERROCYANIDE; MEDICINES—NAMELY, LIVER EXTRACT; AND PHARMACEUTICAL PREPARATIONS—NAMELY, CALCIUM LACTATE, SODIUM BROMIDE AND POTASSIUM PHOSPHATE. MAXIM CHEMICAL COMPANY, INC., New York, N. Y.
Filed Dec. 19, 1947, Serial No. 544,890. Published Mar. 1, 1949. Class 6.

510,659. FLEXIBLE HOSE (METALLIC), FLEXIBLE HOSE (PARTLY METALLIC), FLEXIBLE HOSE (NON-METALLIC), FLEXIBLE HOSE (PARTLY NON-METALLIC). TECALEMIT LIMITED, Middlesex, England.
Filed Dec. 19, 1947, Serial No. 544,931. Published Mar. 1, 1949. Class 35.

510,660. CANNED VEGETABLES AND CANNED TOMATO JUICE. THE WINDER CANNING COMPANY, Circleville, Ohio.
Filed Dec. 19, 1947, Serial No. 544,953. Published Feb. 22, 1949. Class 46.

510,661. WHITE SHOE CLEANER AND SHOE CREAM. BELL CHEMICAL CO., Chicago, Ill.
Filed Dec. 24, 1947, Serial No. 545,334. Published Mar. 1, 1949. Class 4.

510,662. ELECTRONICALLY TIMED TELEGRAPH KEY WITH AUTOMATIC KEYING RELAY AND MONITOR. ELECTRIC EYE EQUIPMENT CORPORATION, Danville, Ill.
Filed Dec. 24, 1947, Serial No. 545,359. Published Feb. 8, 1949. Class 21.

510,663. STOGIES. AUGUSTUS POLLACK, INCORPORATED, Wheeling, W. Va.
Filed Dec. 24, 1947, Serial No. 545,391. Published Mar. 1, 1949. Class 17.

510,664. HYDROCARBON SOLVENT FOR HYDROCARBON-SOLUBLE INSECTICIDES, WHICH SOLVENT ITSELF HAS INSECTICIDAL PROPERTIES. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed Dec. 24, 1947, Serial No. 545,403. Published Mar. 1, 1949. Class 6.

510,665. GARAGE DOORS. CARR, ADAMS & COLLIER COMPANY, Dubuque, Iowa.
Filed Dec. 27, 1947, Serial No. 545,580. Published Feb. 8, 1949. Class 12.

510,666. SALT TOOTH POWDER. SELTO (EASTBOURNE) LIMITED, Eastbourne, England.
Filed Dec. 30, 1947, Serial No. 545,779. Published Mar. 1, 1949. Class 6.

510,667. WASHBOARDS. VICTORY ENGINEERING & MACHINE WORKS, INC., J. Marvin Krause, trustee of Victory Engineering & Machine Works, Inc., Bankrupt, St. Louis, Mo., assignor to B. J. Menkhaus, House Springs, Mo.
Filed Dec. 31, 1947, Serial No. 545,918. Published Mar. 1, 1949. Class 24.

510,668. SOAP. JOHN WANAMAKER NEW YORK, New York, N. Y.
Filed Dec. 31, 1947, Serial No. 545,919. Published Feb. 15, 1949. Class 4.

510,669. DRY CLEANING PREPARATION FOR CLEANING FABRICS AND PAINTED AND VARNISHED SURFACES, GLASS, BATHTUBS, AND THE LIKE. THE PERFEX CO., Shenandoah, Iowa.
Filed Jan. 2, 1948, Serial No. 546,025. Published Mar. 1, 1949. Class 4.

510,670. COMPRESSED GASES—NAMELY, OXYGEN, NITROGEN, HYDROGEN, HELIUM, AIR, CARBON DIOXIDE, NITROUS OXIDE, HYDROCARBONS, VARIOUS MIXTURES OF THE FOREGOING GASES, AND CHEMICAL FLUXES. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Jan. 3, 1948, Serial No. 546,122. Published Mar. 1, 1949. Class 6.

510,671. STORAGE BATTERIES. HESTER BATTERY MANUFACTURING COMPANY, INC., Nashville, Tenn.
Filed Jan. 5, 1948, Serial No. 546,222. Published Mar. 1, 1949. Class 21.

510,672. SHEETS, PILLOWCASES, AND BLANKETS. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed Jan. 5, 1948, Serial No. 546,237. Published Mar. 1, 1949. Class 42.

510,673. MACHETES. O. B. HIRSCH & Co. INC., New York, N. Y.
Filed Mar. 31, 1948, Serial No. 546,448. Published Feb. 8, 1949. Class 23.

510,674. SODIUM HYPOCHLORITE SOLUTION FOR BLEACHING, DISINFECTING, AND DEODORANT PURPOSES. KENNETH L. MUELLER, doing business as Mueller Chemical Works, Kasota, Minn.
Filed Jan. 8, 1948, Serial No. 546,508. Published Mar. 1, 1949. Class 6.

510,675. CALKING AND GLAZING COMPOUND. DETROIT GRAPHITE COMPANY, Detroit, Mich.
Filed Jan. 10, 1948, Serial No. 546,680. Published Feb. 15, 1949. Class 12.

510,676. PIANOS. KOHLER & CAMPBELL, INC., New York, N. Y.
Filed Jan. 10, 1948, Serial No. 546,709. Published Mar. 8, 1949. Class 36.

510,677. BULLETIN COLOR PAINTS AND EXTERIOR HOUSE PAINTS. R. N. NASON & Co., San Francisco, Calif.
Filed Jan. 13, 1948, Serial No. 546,861. Published Jan. 11, 1949. Class 16.

510,678. SMOKING TOBACCO. SUTLIFF TOBACCO COMPANY, San Francisco, Calif.
Filed Jan. 13, 1948, Serial No. 546,884. Published Mar. 1, 1949. Class 17.

510,679. SUPER-QUICK DRYING WAVESET, NAIL POLISH, NAIL POLISH REMOVER, ETC. THE F. E. I. CORPORATION, Pittsburgh, Pa., and Dover, Del.
Filed Jan. 14, 1948, Serial No. 546,988. Published Mar. 1, 1949. Class 6.

510,680. TELEVISION RECEIVERS. INDUSTRIAL TELEVISION, INC., Clifton, N. J.
Filed Jan. 15, 1948, Serial No. 547,126. Published Feb. 22, 1949. Class 21.

510,681. TRADE CATALOG PUBLISHED FROM TIME TO TIME. S-M-S CORPORATION, Detroit, Mich.
Filed Jan. 15, 1948, Serial No. 547,153. Published Feb. 15, 1949. Class 38.

510,682. PAINT CLEANER. JOHN T. BARTLEY & Co., Beaver Falls, Pa.
Filed Jan. 19, 1948, Serial No. 547,420. Published Mar. 8, 1949. Class 4.

510,683. PREFABRICATED, WOOD, FRAME, BUILDINGS—NAMELY, LOG CABINS, MILK HOUSES, AND BUNGALOWS. TIMMERMAN LUMBER & MFG. Co., Hibbing, Minn.
Filed Jan. 19, 1948, Serial No. 547,496. Published Feb. 15, 1949. Class 12.

510,684. CLEANING COMPOUND IN POWDERED FORM HAVING INCIDENTAL WATER SOFTENING PROPERTIES. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed Jan. 20, 1948, Serial No. 547,520. Published Feb. 15, 1949. Class 4.

510,685. NERVE PREPARATION. HENRY LABORATORIES, INC., Nashville, Tenn.
Filed Jan. 20, 1948, Serial No. 547,543. Published Mar. 1, 1949. Class 6.

510,686. ELECTRIC MOTORS. URBANA MANUFACTURING COMPANY, Urbana, Ohio.
Filed Jan. 20, 1948, Serial No. 547,594. Published Feb. 22, 1949. Class 21.

510,687. ASPHALT COMPOSITION ROOFING SHINGLES. THE RUBBEROID Co., New York, N. Y., and Bound Brook, N. J.
Filed Jan. 22, 1948, Serial No. 547,776. Published Feb. 8, 1949. Class 12.

510,688. MONOHYDRIC ALCOHOL, POLYHYDRIC ALCOHOL, AND GLYCOL ESTERS. KESSLER CHEMICAL Co., INC., Philadelphia, Pa.
Filed Jan. 26, 1948, Serial No. 548,000. Published Mar. 1, 1949. Class 6.

510,689. PECTORALS AND THROAT TABLETS. AKTIESELSKABET LAGERMAN JUNR., Glostrup, Denmark.
Filed Jan. 29, 1948, Serial No. 548,224. Published Feb. 22, 1949. Class 6.

510,690. PERFUME, TOILET WATER, COLOGNE, FACE POWDER, LIPSTICK, ROUGE, MASCARA, EYE SHADOW, FACE AND SKIN CREAMS, AND TALCUM POWDER. BENARD & HONNORAT, doing business as Molinard, Grasse (Alpes Maritimes), France.
Filed Jan. 30, 1948, Serial No. 548,320. Published Mar. 1, 1949. Class 6.

510,691. BELT DRESSINGS. THE BLACK DIAMOND PAINT & VARNISH WORKS, INC., Cincinnati, Ohio.
Filed Jan. 30, 1948, Serial No. 548,322. Published Feb. 15, 1949. Class 4.

510,692. LIQUID USED IN X-RAY AND ROENTGEN RAY PHOTOGRAPHY FOR DIAGNOSTIC PURPOSES. E. FOUGERA & COMPANY, INC., New York, N. Y.
Filed Jan. 30, 1948, Serial No. 548,357. Published Jan. 22, 1949. Class 6.

510,693. SKIN AND FACE OINTMENTS, LOTIONS, FACIAL CREAMS, AND TABLETS FOR HYPERACIDITY. CANAMIN CORPORATION, New York, N. Y.
Filed Feb. 3, 1948, Serial No. 548,636. Published Mar. 1, 1949. Class 6.

510,694. ESTER OF TALL OIL. NATIONAL SOUTHERN PRODUCTS CORPORATION, New York, N. Y.
Filed Feb. 3, 1948, Serial No. 548,665. Published Mar. 1, 1949. Class 6.

510,695. PREPARATION CONTAINING MANGANESE SALICYLATE, ASPIRIN, CAFFEINE, AND THIAMIN CHLORIDE, FOR USE IN THE TEMPORARY RELIEF OF MUSCULAR ACHES AND PAINS. RHODES PHARMACAL CO., INC., Cleveland, Ohio.
Filed Feb. 5, 1948, Serial No. 548,846. Published Mar. 8, 1949. Class 6.

510,696. COMPOSITION OF MATTER INCLUDING AN INGREDIENT WHICH CHANGES COLOR UPON CONTACT WITH WATER, AND WHICH IS USEFUL TO DETERMINE THE PRESENCE OF WATER COLLECTING IN A TANK OR OTHER CONTAINER FOR GASOLINE AND OTHER MINERAL OIL PRODUCTS. RUDOLPH L. SCHWARTZ, doing business as Watertecter Company, Buffalo, N. Y.
Filed Feb. 6, 1948, Serial No. 549,008. Published Feb. 22, 1949. Class 6.

510,697. TOILET SOAP. THE ANDREW JERGENS COMPANY, Cincinnati, Ohio.
Filed Feb. 9, 1948, Serial No. 549,154. Published Feb. 15, 1949. Class 4.

510,698. POLISHING WHEELS OF CORK, CORK COMPOSITION, AND CORK AND SYNTHETIC RUBBER COMPOSITION. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed Feb. 10, 1948, Serial No. 549,221. Published Mar. 1, 1949. Class 4.

510,699. LIQUID AIR PURIFIER AND CLEANSER OF A CHEMICAL NATURE SUITABLE FOR RESIDENTIAL OR OFFICE USE. GIFT OF THE MONTH, INC., New York, N. Y.
Filed Feb. 13, 1948, Serial No. 549,630. Published Mar. 1, 1949. Class 6.

510,700. HAND DEODORANT CREAM. BLOCK DRUG COMPANY, INC., Jersey City, N. J.
Filed Feb. 14, 1948, Serial No. 549,695. Published Mar. 8, 1949. Class 6.

510,701. DISINFECTANT. MURPHY LABORATORIES, INC., Clifton Heights, Pa.
Filed Feb. 16, 1948, Serial No. 549,828. Published Mar. 1, 1949. Class 6.

510,702. PERFUMES, TOILET WATERS, COLOGNES, LIPSTICKS, FACE POWDER, ROUGE, EYE SHADOW, MASCARA, BRILLIANTINE, AND TALCUM POWDER. SOCIETE ANONYME SOCIETE TECHNIQUE DE PARFUMERIE F. MILLOT, Paris, France.
Filed Feb. 25, 1948, Serial No. 550,563. Published Feb. 22, 1949. Class 6.

510,703. SOAPS. D'ORSAY PERFUMERIES CORPORATION, New York, N. Y.
Filed Feb. 26, 1948, Serial No. 550,586. Published Mar. 8, 1949. Class 4.

510,704. LIQUID PREPARATION FOR REMOVING SPOTS FROM FABRICS, CLOTHING, CARPETS, AND UPHOLSTERY AND A CLEANING PREPARATION IN POWDER FORM FOR GENERAL HOUSEHOLD AND LAUNDRY USE. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Feb. 27, 1948, Serial No. 550,687. Published Feb. 15, 1949. Class 4.

510,705. LAUNDRY WASHING POWDER HAVING INCIDENTAL BLUING PROPERTIES. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Feb. 27, 1948, Serial No. 550,688. Published Mar. 1, 1949. Class 4.

510,706. SOAP POWDER COMBINED WITH MINERAL INGREDIENTS. THE CUDAHY PACKING COMPANY, Chicago, Ill.
Filed Feb. 28, 1948, Serial No. 550,791. Published Feb. 15, 1949. Class 4.

510,707. MEDICINAL PREPARATION HAVING THERAPEUTIC ACTION FOR USE IN THE TREATMENT OF PARKINSON'S DISEASE. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France.
Filed Feb. 28, 1948, Serial No. 550,836. Published Mar. 1, 1949. Class 6.

510,708. RUBBER FABRIC OR METAL REINFORCED OR JACKETED HOSE (KNOWN IN THE TRADE BY THE FOLLOWING ACCEPTED TERMS: FIRE, GARDEN, OIL SUCTION AND DISCHARGE, PAPER MILL, AND VACUUM). CONTINENTAL RUBBER WORKS, Erie, Pa.
Filed Mar. 1, 1948, Serial No. 550,897. Published Mar. 1, 1949. Class 35.

510,709. WALLBOARD. SMITH & KANSLER COMPANY, Linden, N. J.
Filed Mar. 8, 1948, Serial No. 551,487. Published Feb. 22, 1949. Class 12.

510,710. INJECTABLE MEDICINAL SOLUTION INDICATED AS A TONIC IN DEBILITATED CONDITIONS. BUFFINGTON'S, INCORPORATED, Worcester, Mass.
Filed Mar. 9, 1948, Serial No. 551,514. Published Feb. 22, 1949. Class 6.

510,711. MEDICINAL PREPARATION FOR RELIEF OF GASTROINTESTINAL DISORDERS—NAMELY, DIARRHEA, INTESTINAL FERMENTATION, EXCESSIVE ACIDITY, AND FLATULENCE. BUFFINGTON'S, INCORPORATED, Worcester, Mass.
Filed Mar. 9, 1948, Serial No. 551,515. Published Feb. 22, 1949. Class 6.

510,712. MEDICINAL TABLET FOR THE TREATMENT OF HIGH BLOOD PRESSURE. BUFFINGTON'S, INCORPORATED, Worcester, Mass.
Filed Mar. 9, 1948, Serial No. 551,516. Published Feb. 22, 1949. Class 6.

510,713. MEDICINAL OINTMENT FOR RELIEF OF HEMORRHOIDS. BUFFINGTON'S, INCORPORATED, Worcester, Mass.
Filed Mar. 9, 1948, Serial No. 551,517. Published Feb. 22, 1949. Class 6.

510,714. MEDICINAL TABLET CONTAINING AN IRON SALT AND VITAMIN B-COMPLEX INDICATED IN THE TREATMENT OF SECONDARY ANEMIA. BUFFINGTON'S, INCORPORATED, Worcester, Mass.
Filed Mar. 9, 1948, Serial No. 551,518. Published Feb. 22, 1949. Class 6.

510,715. INHALANT PREPARATION FOR USE IN THE TREATMENT OF COUGHS, COLDS, AND BRONCHITIS IN POULTRY. IOWA MASTER BREEDERS, INCORPORATED, Onawa and Sioux City, Iowa.
Filed Mar. 9, 1948, Serial No. 551,562. Published Mar. 1, 1949. Class 6.

510,716. VITAMIN CAPSULES, FERROUS SULFATE TABLETS, ETC. BOYLE AND COMPANY, Los Angeles, Calif.
Filed Mar. 11, 1948, Serial No. 551,686. Published Mar. 1, 1949. Class 6.

510,717. STROPPER OUTFITS, EACH OUTFIT COMPRISING A RAZOR-BLADE STROPPER AND A BLADE HOLDER SOLD AS A UNIT. DURHAM-ENDERS RAZOR CORPORATION, Mystic, Conn.
Filed Mar. 15, 1948, Serial No. 551,956. Published Mar. 1, 1949. Class 4.

510,718. TOILET SOAP. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed Mar. 17, 1948, Serial No. 552,122. Published Mar. 8, 1949. Class 4.

510,719. SOAP, SOAP POWDER, WASHING POWDER, LIQUID DETERGENTS FOR THE REMOVAL OF OIL, GREASE, TAR, MILDEW, AND DIRT STAINS FROM FABRICS AND ARTICLES OF WEARING APPAREL, LIQUID CLEANING AND SPOTTING AGENTS. CARMAN & CO., INC., New York, N. Y.
Filed Mar. 18, 1948, Serial No. 552,221. Published Mar. 8, 1949. Class 4.

510,720. SOAP, SOAP POWDER, WASHING POWDER, POWDERED DETERGENTS FOR THE REMOVAL OF OIL, GREASE, TAR, MILDEW, AND DIRT STAINS FROM FABRICS AND ARTICLES OF APPAREL, AND LIQUID CLEANING AND SPOTTING AGENTS. CARMAN & CO., INC., New York, N. Y.
Filed Mar. 18, 1948, Serial No. 552,222. Published Mar. 8, 1949. Class 4.

510,721. CHEMICAL FLUXES AND COMPRESSED GASES—NAMELY, OXYGEN, NITROGEN, HYDROGEN, ETC. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Mar. 19, 1948, Serial No. 552,477. Published Mar. 1, 1949. Class 6.

510,722. CHEMICAL FLUXES AND COMPRESSED GASES—NAMELY, OXYGEN, NITROGEN, HYDROGEN, ETC. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Mar. 19, 1948, Serial No. 552,485. Published Mar. 1, 1949. Class 6.

510,723. RESIN SUSPENSIONS OR DISPERSIONS SUITABLE FOR USE IN WAX FORMULATIONS, POLISHES, AND THE LIKE, AND ALSO FOR USE AS STARCH SUBSTITUTES IN LAUNDERING OPERATIONS. ROHM & HAAS COMPANY, Philadelphia, Pa.
Filed Mar. 23, 1948, Serial No. 552,803. Published Feb. 22, 1949. Class 6.

510,724. HOUSE ORGAN PUBLISHED BI-MONTHLY. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y.
Filed Mar. 25, 1948, Serial No. 552,997. Published Feb. 8, 1949. Class 38.

510,725. TRANSMISSION BELTING. BERNARD L. JERRY, doing business as Richmond Belting Company, Richmond, Va.
Filed Mar. 29, 1948, Serial No. 553,284. Published Mar. 1, 1949. Class 35.

510,726. CLOTH BUFFING WHEELS. J. C. MILLER COMPANY, Grand Rapids, Mich.
Filed Mar. 29, 1948, Serial No. 553,302. Published Mar. 1, 1949. Class 4.

510,727. STRIPPER PREPARATION, CONTAINING TITANIUM TRICHLORIDE, ETC. STAUFFER CHEMICAL COMPANY, San Francisco, Calif.
Filed Mar. 30, 1948, Serial No. 553,417. Published Mar. 1, 1949. Class 6.

510,728. BATH SALTS, COLOGNE, CAKE MAKE-UP, DUSTING POWDER, DEPILATORIES, EYE MASCARA, EYE WASH, EYEBROW PENCIL, FACE CREAM, FACE POWDER, ETC. UNIVERSAL LABORATORIES, INC., East Orange, N. J.
Filed Apr. 3, 1948, Serial No. 553,791. Published Mar. 8, 1949. Class 6.

510,729. SKIN LOTION. HALL & RUCKEL, INC., New York, N. Y.
Filed Apr. 6, 1948, Serial No. 553,853. Published Feb. 22, 1949. Class 6.

510,730. WOOLEN PIECE GOODS. WAWAK COMPANY, INC., Chicago, Ill.
Filed Apr. 7, 1948, Serial No. 554,055. Published Mar. 1, 1949. Class 42.

510,731. MEDICINAL BITTERS HAVING A LAXATIVE PREPARATION. PASTENE & CO., INC., New York, N. Y.
Filed Apr. 12, 1948, Serial No. 554,405. Published Mar. 1, 1949. Class 6.

510,732. HOSE AND FLANGE AND JOINT SHEET PACKING MADE OF SYNTHETIC RUBBER COMPOUND. QUAKER RUBBER CORPORATION, Philadelphia, Pa.
Filed Apr. 14, 1948, Serial No. 554,604. Published Feb. 22, 1949. Class 35.

510,733. FATTY ACIDS. GENERAL MILLS, INC., Wilmington, Del., and Minneapolis, Minn.
Filed Apr. 15, 1948, Serial No. 554,660. Published Mar. 8, 1949. Class 6.

510,734. IMMUNOGENIC PREPARATIONS FOR HUMAN USE IN THE TREATMENT AND PREVENTION OF DISEASES OF BACTERIAL ORIGIN INCLUDING DIPHTHERIA, TETANUS, PERTUSSIS, AND STAPHYLOCOCCAL AND STREPTOCOCCAL INFECTIONS. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Apr. 15, 1948, Serial No. 554,819. Published Feb. 22, 1949. Class 6.

510,735. MATERIALS FOR THE MANUFACTURING OF GASKETING, CONSISTING OF A FELT SHEETING IMPREGNATED WITH A WATERPROOFING AND FLAME-PROOFING COMPOSITION. PRODUCTS RESEARCH CO., Los Angeles, Calif.
Filed Apr. 19, 1948, Serial No. 555,014. Published Mar. 1, 1949. Class 35.

510,736. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, ETC. TWIN CITY WHOLESALE GROCER CO., St. Paul, Minn.
Filed Oct. 2, 1947, Serial No. 555,903. Published Feb. 1, 1949. Class 46.

510,737. CHEMICALS FOR TREATING AND PRESERVING FLOWERS AND FOLIAGE. JOFLEUR, INC., Paterson, N. J.
Filed Apr. 30, 1948, Serial No. 555,944. Published Mar. 1, 1949. Class 6.

510,738. FABRICS OF NYLON SOLD BY THE SQUARE YARD. BLUE RIDGE TEXTILE CO., INC., Bangor, Pa.
Filed May 5, 1948, Serial No. 556,243. Published Mar. 1, 1949. Class 42.

510,739. OINTMENT MEDICINAL PREPARATION USED FOR ATHLETE'S FOOT AND FUNGUS INFECTION OF THE SKIN. WESTERFIELD PHARMACAL CO. INC., Dayton, Ohio.
Filed May 11, 1948, Serial No. 556,858. Published Mar. 1, 1949. Class 6.

510,740. COSMETIC ITEMS—NAMELY, FINGERNAIL POLISH, FINGERNAIL ENAMEL, LIP ROUGE, AND PREPARATION FOR REMOVING THE CUTICLE. SCHNEPEL BROS. CORPORATION, Newark, N. J.
Filed May 13, 1948, Serial No. 556,990. Published Feb. 22, 1949. Class 6.

510,741. SEDATIVE COUGH PREPARATION. G. D. SEARLE & CO., Chicago, Ill.
Filed May 15, 1948, Serial No. 557,159. Published Mar. 1, 1949. Class 6.

510,742. LIQUID INJECTION FOR TREATMENT OF STRAINS AND SPRAINS TO MUSCLES, ETC. MCKAY MAXLIN COMPANY, West Allis, Wis.
Filed May 18, 1948, Serial No. 557,295. Published Mar. 8, 1949. Class 6.

510,743. HYDROABIETYL ALCOHOL FOR USE IN RESINS AS A PLASTICIZER FOR SYNTHETIC RESINS, AND FOR THE MANUFACTURE OF DETERGENTS. HERCULES POWDER COMPANY, Wilmington, Del.
Filed May 19, 1948, Serial No. 557,356. Published Feb. 22, 1949. Class 6.

510,744. CHEMICAL COMPOUND USEFUL AS AN EMULSIFYING AND DISPERSING AGENT FOR INSECTICIDES, ROAD OILS, AND OTHER USES. ROBERSON PROCESS COMPANY, New York, N. Y.
Filed May 19, 1948, Serial No. 557,389. Published Mar. 1, 1949. Class 6.

510,745. TOILET CREAM (NOT MEDICATED). SCIENTIFIC PHARMACALS LIMITED, London N. 1, England.
Filed May 20, 1948, Serial No. 557,470. Published Mar. 1, 1949. Class 6.

510,746. CLEANING COMPOUND IN POWDERED FORM FOR CLEANING ALUMINUM SURFACES AND HAVING INCIDENTAL WATER SOFTENING PROPERTIES. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed May 25, 1948, Serial No. 557,734. Published Feb. 22, 1949. Class 4.

510,747. PREPARATION FOR HOME TREATMENT AND RELIEF OF DRUNKENNESS. MILTON HACKER, doing business as Health-Aids Research, Chicago, Ill.
Filed May 27, 1948, Serial No. 557,923. Published Mar. 1, 1949. Class 6.

510,748. GENERAL CLEANSER IN POWDER FORM. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va.
Filed June 3, 1948, Serial No. 558,425. Published Feb. 22, 1949. Class 4.

510,749. DETERGENT FOR GENERAL HOUSEHOLD USE. HANS JACOB HECKMANN, doing business as Hans J. Heckmann Company, Towson, Md.
Filed June 9, 1948, Serial No. 558,786. Published Mar. 1, 1949. Class 4.

510,750. PREPARATIONS CONTAINING VITAMIN, MINERAL, AND/OR DESICCATED GLANDULAR PRODUCTS, USEFUL AS A DIETARY SUPPLEMENT. ANABOLIC FOOD PRODUCTS, INC., Glendale, Calif.
Filed June 10, 1948, Serial No. 558,845. Published Mar. 1, 1949. Class 6.

510,751. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed June 10, 1948, Serial No. 558,899. Published Mar. 1, 1949. Class 4.

510,752. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed June 10, 1948, Serial No. 558,902. Published Mar. 1, 1949. Class 4.

510,753. BLEACH HAVING INCIDENTAL CLEANSING, DEODORIZING, AND DISINFECTING PROPERTIES. WAPLES-PLATTER & COMPANY, Fort Worth, Tex.
Filed June 10, 1948, Serial No. 558,974. Published Mar. 1, 1949. Class 6.

510,754. LIQUID SOAP. THE LINCOLN INDUSTRIAL CHEMICAL CO. INC., Lincoln Park, Pa.
Filed June 15, 1948, Serial No. 559,284. Published Feb. 15, 1949. Class 4.

510,755. LIQUID SOAP HAVING STERILIZING PROPERTIES. THE LINCOLN INDUSTRIAL CHEMICAL CO. INC., doing business as The Lincoln Industrial Insecticide Co., Lincoln Park, Pa.
Filed June 15, 1948, Serial No. 559,285. Published Feb. 15, 1949. Class 4.

510,756. CRUDE TALL OIL (TALLOEL) SOAP DERIVED FROM THE FATS AND RESINS OF PINE WOOD. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y.
Filed Feb. 21, 1948, Serial No. 559,408. Published Feb. 22, 1949. Class 4.

510,757. TOILET SOAP. BURROUGHS WELLCOME & CO. (U. S. A.) INC., Tuckahoe, N. Y.
Filed June 18, 1948, Serial No. 559,578. Published Mar. 1, 1949. Class 4.

510,758. SOAP. BURROUGHS WELLCOME & CO. (U. S. A.) INC., Tuckahoe, N. Y.
Filed June 18, 1948, Serial No. 559,579. Published Mar. 1, 1949. Class 4.

510,759. TOILET AND LAUNDRY SOAP IN CAKE, POWDERED, AND LIQUID FORM. COMPANIA SWIFT DE MONTEVIDEO, S. A., Montevideo, Uruguay.
Filed June 22, 1948, Serial No. 559,902. Published Mar. 8, 1949. Class 4.

510,760. WHITE, CRYSTALLINE ALKALI, USED IN AQUEOUS SOLUTION FOR CLEANING METAL. HAAS-MILLER CORPORATION, Philadelphia, Pa.
Filed June 24, 1948, Serial No. 560,104. Published Mar. 1, 1949. Class 4.

510,761. BACTERIOSTATIC AGENT USED IN CHEMOTHERAPY. CIBA PHARMACEUTICAL PRODUCTS, INC., Summit, N. J.
Filed June 30, 1948, Serial No. 560,449. Published Mar. 1, 1949. Class 6.

510,762. ACCELERATORS FOR THE VULCANIZATION OF RUBBER. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed July 3, 1948, Serial No. 560,701. Published Mar. 1, 1949. Class 6.

510,763. PREPARATION USED IN TANNING AND FOR CONTROL OF RESINOUS MATTERS IN THE MANUFACTURE OF PAPER. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y.
Filed July 9, 1948, Serial No. 560,954. Published Mar. 1, 1949. Class 6.

510,764. CHEMICAL COMPOUNDS FOR RENDERING TEXTILES FIRE RETARDANT. SUN CHEMICAL CORPORATION, New York, N. Y.
Filed July 14, 1948, Serial No. 561,350. Published Feb. 22, 1949. Class 6.

510,765. CHEMICAL CLEANING POWDER FOR GENERAL CLEANING PURPOSES, INCLUDING CLEANING OF GLASS, PORCELAIN, TILE, MARBLE, WOOD, LINOLEUM, COMPOSITION FLOORS, PAINTED OR ENAMELED WALLS AND SIMILAR SURFACES. HYSAN PRODUCTS COMPANY, Chicago, Ill.
Filed July 23, 1948, Serial No. 562,062. Published Feb. 15, 1949. Class 4.

510,766. SHAVING SOAP. INTHOLINE LIMITED, Brentford, Middlesex, England.
Filed Aug. 11, 1948, Serial No. 563,184. Published Feb. 15, 1949. Class 4.

510,767. HOUSEHOLD CLEANSER. KBG PRODUCTS COMPANY, Narberth, Pa.
Filed Aug. 11, 1948, Serial No. 563,188. Published May 8, 1949. Class 4.

510,768. DEGREASING SOLVENTS, MORE PARTICULARLY CHLORINATED HYDROCARBON SOLVENTS. WESTVACO CHEMICAL CORPORATION, New York, N. Y., now by merger to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware.
Filed Aug. 24, 1948, Serial No. 563,961. Published Mar. 8, 1949. Class 4.

510,769. FUNCTIONAL CHEMICAL FLUIDS—NAMELY, HYDRAULIC FLUIDS FOR USE IN HYDRAULIC POWER TRANSMISSION SYSTEMS AND HAVING GENERAL USE IN THE INDUSTRIAL ARTS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed Nov. 3, 1948, Serial No. 568,111. Published Mar. 8, 1949. Class 6.

Certification Marks

510,770. GAS LAUNDRY APPLIANCES AND MACHINES—NAMELY, GAS IRONERS AND GAS CLOTHES DRYERS. AMERICAN GAS ASSOCIATION, INC., New York, N. Y.
Filed Oct. 6, 1947, Serial No. 536,865. Published Mar. 1, 1949. Class 24.

510,771. USE ON WOODEN BARRELS. COOPERS INTERNATIONAL UNION OF NORTH AMERICA, Boston, Mass.
Filed Oct. 7, 1947, Serial No. 537,015. Published Feb. 22, 1949. Class 2.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

510,772. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HARPER AND KENSELL, Bethany, Okla. Filed Sept. 23, 1948, Serial No. 482,533.

DYNA THERAPY

FOR SHORT WAVE CURRENT GENERATING APPARATUS USED FOR THERAPEUTIC PURPOSES, AND REPAIR AND REPLACEMENT PARTS FOR SAID APPARATUS.
Claims use since Apr. 5, 1945.

510,773. (CLASS 39. CLOTHING.) MOZUS MILLS INC., Nashville, Tenn. Filed Feb. 4, 1948, Serial No. 484,577.

MOER-EASE

Applicant claims ownership of Registration No. 416,311.
FOR ANKLETS OR BOBBY SOCKS AND MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY.
Claims use since Apr. 29, 1945.

510,774. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) VICTOR MANUFACTURING & GASKET CO., Chicago, Ill. Original filed Oct. 12, 1945, under the act of 1905; amended to application under act of 1946, Mar. 16, 1948, Serial No. 489,888.

METALATEX

FOR GASKETS MADE OF METAL, LATEX COVERED.
Claims use since Aug. 21, 1945.

510,775. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) PEERLESS PRODUCTS COMPANY, Jersey City, N. J. Filed Mar. 12, 1949, Serial No. 500,568.

Nu Nile

FOR COMBS FOR PRESSING THE HAIR AFTER THE COMBS HAVE BEEN HEATED.
Claims use since Nov. 20, 1945.

510,776. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) IRVING SCHOENWALD, doing business as Press Comb Co., Kansas City, Mo. Filed Jan. 6, 1949, Serial No. 501,946.

HEAT-HOLDER

FOR HAIR STRAIGHTENING COMBS.
Claims use since Apr. 15, 1946.

510,777. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAN PERKINS COMPANY, Memphis, Tenn. Original filed June 11, 1946, under the act of 1905; amended to application under act of 1946, Mar. 25, 1948, Serial No. 503,662.

BINDRITE

FOR BINDER FOR SAUSAGE AND SAUSAGE MEATS MADE OF CORN STARCH AND GROUND WHEAT.
Claims use since Jan. 1, 1934.

510,778. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAN PERKINS COMPANY, Memphis, Tenn. Original filed June 11, 1946, under the act of 1905; amended to application under act of 1946, Mar. 25, 1948, Serial No. 503,667.

MIXRITE

FOR BINDER FOR SAUSAGE AND SAUSAGE MEATS MADE OF CORN STARCH AND GROUND WHEAT.
Claims use since Jan. 1, 1934.

510,779. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAN PERKINS COMPANY, Memphis, Tenn. Original filed June 11, 1946, under the act of 1905; amended to application under act of 1946, Mar. 25, 1948, Serial No. 503,668.

SEASONRITE

FOR MIXTURE OF SPICES FOR SEASONING ALL TYPES OF SAUSAGE MEATS.
Claims use since Jan. 1, 1934.

510,780. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FLUID SYSTEMS, INCORPORATED, Hamden, Conn. Filed Feb. 24, 1948, Serial No. 504,480.

Fluid Systems INC.

FOR APPARATUS CONSISTING OF AN ELECTRICAL TRANSFORMER, AN ELECTRICAL CONTROL PANEL AND A TANK UNIT FOR USE IN ELECTRICALLY HEATING CONDUCTORS OR PIPE-LINES IN WHICH VISCOUS LIQUIDS, SUCH AS FUEL OIL, ASPHALT, CORN SYRUP, ETC., ARE TRANSPORTED OR CONDUCTED FROM A STORAGE OR SUPPLY TANK TO AN OIL BURNER OR OTHER DEVICE TO USE OR RECEIVE THE LIQUID.
Claims use since Mar. 1, 1946.

510,781. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) E Z THREAD COMPANY, New York, N. Y. Filed Mar. 8, 1948, Serial No. 510,580.

Gerry Nufoam

FOR SHOULDER PADS FOR GARMENTS.
Claims use since Sept. 15, 1946.

510,782. (CLASS 2. RECEPTACLES.) NOBLE ANDRE, doing business as Andre Paper Box Co., San Francisco, Calif. Filed Mar. 27, 1948, Serial No. 511,129.

Foillyne

FOR PAPER BOXES.
Claims use since Aug. 19, 1946.

510,783. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REVLON PRODUCTS CORPORATION, New York, N. Y. Original filed Jan. 24, 1947, under the act of 1905; amended to application under act of 1946, Sept. 9, 1948, Serial No. 516,310.

GOLDSTICK

FOR LIPSTICKS.
Claims use since Jan. 24, 1946.

510,784. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUCILA SALAZAR, Los Angeles, Calif., assignee of V. R. Canalez, doing business as Phoenix Pharmacal Company. Filed Oct. 23, 1948, Serial No. 516,888.

Kontra KASPA

FOR PREPARATION FOR THE TREATMENT OF DANDRUFF.
Claims use since Dec. 30, 1946.

Applicant claims ownership of Registration No. 416,311.
FOR ANKLETS OR BOBBY SOCKS AND MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY.
Claims use since Apr. 29, 1945.

FOR COMBS FOR PRESSING THE HAIR AFTER THE COMBS HAVE BEEN HEATED.
Claims use since Nov. 20, 1945.

FOR APPARATUS CONSISTING OF AN ELECTRICAL TRANSFORMER, AN ELECTRICAL CONTROL PANEL AND A TANK UNIT FOR USE IN ELECTRI-

DANDRUFF.
Claims use since Dec. 30, 1946.

510,785. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BLOOMTINT PRODUCTS, INC., Chicago, Ill. Original filed Feb. 14, 1947, under the act of 1905; amended to application under act of 1946, Feb. 12, 1948, Serial No. 517,451.

Bloomdye

FOR LIQUID DYE WHICH IS USED IN ITS ORIGINAL FORM FOR COLORING FLOWERS BY DIPPING THE FLOWERS INTO THE DYE.
Claims use since Feb. 7, 1947.

510,786. (CLASS 39. CLOTHING.) ROY W. WILSON, Chicago, Ill. Filed June 16, 1948, Serial No. 519,612.

Kiddi Kover

FOR CHILDREN'S ONE-PIECE SLEEPER SUITS.
Claims use since Feb. 12, 1947.

510,787. (CLASS 2. RECEPTACLES.) MILES C. T. LEWIS, doing business as Select Shaker Co., Berkeley, Calif. Filed Feb. 27, 1948, Serial No. 520,634.

SELECT

FOR COMBINATION SALT AND PEPPER SHAKERS MADE OF PLASTIC.
Claims use since Dec. 15, 1946.

510,788. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE A RESPONSABILITE LIMITEE: COTTAN, PARFUMEUR, Asnieres, France. Filed Apr. 13, 1949; original filed Apr. 28, 1947, Serial No. 521,478.

Société Hydrolique
Cottan

Applicant claims ownership of French Registration No. 211,415 dated July 21, 1922.
FOR PERFUME.

510,789. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AMERICAN LAW BOOK COMPANY, New York, N. Y. Filed Jan. 25, 1949, Serial No. 522,027.

THE LAWYER
and
LAW NOTES

Applicant claims ownership of Registrations Nos. 379,573 and 247,129.
FOR LEGAL MAGAZINE PUBLISHED PERIODICALLY.
Claims use since Oct. 3, 1946.

510,790. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CUDAHY BROTHERS CO., Cudahy, Wis. Filed Jan. 24, 1949, Serial No. 522,087.

TOPSAL

FOR HOG FOOD OF WHICH TANKAGE, SOYBEAN MEAL, HOMINY FEED, ALFALFA MEAL, DISTILLERS' SOLUBLES, LIMESTONE, IRRADIATED YEAST AND IODIZED SALT ARE THE PRINCIPAL INGREDIENTS.
Claims use since Apr. 15, 1947.

510,791. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ATLANTIC BRASS & COPPER CO., INC., New York, N. Y. Filed Oct. 10, 1947; original filed July 1, 1947, Serial No. 525,279.

ATLANTIC BRASS & COPPER

The words "Brass & Copper" are disclaimed apart from the mark shown.
FOR BRASS, COPPER, ALUMINUM, NICKEL SILVER, CUPRO-NICKEL, AND ALL NON-FERROUS METALS IN VARIOUS SHAPES AND FORMS.
Claims use since Dec. 28, 1935.

510,792. (CLASS 7. CORDAGE.) THE GRADY-TRAVERS COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 20, 1948, original filed July 17, 1947, Serial No. 528,786.

Hy-Grade

Applicant claims ownership of Registration No. 179,420.
FOR COTTON TWINE; COTTON ROPE; JUTE, HEMP, FLAX ROPES AND TWINES; SASH-CORDS; COTTON CLOTHES-LINES AND CHALK LINES.
Claims use since Dec. 10, 1922.

510,793. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) PILGRIM CURTAIN CO., INC., New York, N. Y. Filed Sept. 27, 1948, Serial No. 531,944.

PEKO-PEKO

FOR WINDOW CURTAINS.
Claims use since Jan. 2, 1947.

510,794. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) WORLDSBEST INDUSTRIES, INC., Cudahy, Wis. Filed Feb. 11, 1949, Serial No. 532,896.

WORLDSBEST

FOR CURTAIN STRETCHERS.
Claims use since Aug. 13, 1947.

510,795. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BOYLE LEATHER GOODS CO. INC., New York, N. Y. Filed Mar. 26, 1949, Serial No. 534,238.

LONGFELLOW

FOR WARDROBE TRAVELLING BAGS, WARDROBE TRUNKS, SUIT CASES, HANDBAGS, TRAIN CASES, OVERNIGHT CASES, AND TOILET CASES.
Claims use since Nov. 1, 1946.

510,796. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BARDACH & SCHORNE CO., INC., Chicago, Ill. Application filed Aug. 25, 1948; original filed July 21, 1947, Serial No. 541,752.

SWIVEL BELT CONTROL LEG

Applicant claims ownership of Registration No. 407,567.
FOR ARTIFICIAL LEGS.
Claims use since June 1941.

510,797. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIAL.) CLOROX CHEMICAL CO., Oakland, Calif. Application filed Nov. 19, 1945; original filed Nov. 25, 1947, Serial No. 542,281.

"A BOON TO HOUSEWIVES!"

Applicant claims ownership of Registration No. 430,265.
FOR LIQUID PREPARATION FOR GENERAL CLEANING PURPOSES.
Claims use since Apr. 28, 1946.

510,798. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) B. T. CRUMP COMPANY, INC., Richmond, Va. Filed Apr. 8, 1949, Serial No. 542,290.

Ever-Lite

FOR HARNESS AND SADDLERY.
Claims use since Nov. 15, 1947.

510,799. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) P. S. MURPHY & CO., INC., New York, N. Y. Filed Dec. 7, 1948, Serial No. 542,330.

TRIM-AIDS

FILE STICKS FOR FILING FINGER NAILS SOLD IN PACKETS SIMILAR TO MATCH PACKETS.
Claims use since Nov. 26, 1946.

510,800. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) VANDERBILT TIRE & RUBBER CORP., New York, N. Y. Filed Dec. 4, 1947, Serial No. 543,342.

VANDERBILT
Cushion Master

Applicant claims ownership of Registration No. 383,535.
FOR AUTOMOBILE TIRES AND TUBES.
Claims use since June 15, 1947.

510,801. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FELS & COMPANY, Philadelphia, Pa. Filed Sept. 29, 1946; original filed Dec. 17, 1947, Serial No. 544,562.

THE GOLDEN CHIPS WITH THE CLEAN NAPTHA ODOR

FOR SOAP.
Claims use since October 1935.

510,802. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CLEO CLARK, Selma, Ala. Filed Jan. 18, 1949, Serial No. 547,102.

FOGLESS ALBRIGHT

FOR CLEANING PREPARATION FOR EYE GLASSES, CAR GLASS, WINDSHIELDS, AND BATH ROOM MIRRORS.
Claims use since Jan. 5, 1948.

510,803. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE DIME SILVER CLUB, INC., Atlanta, Ga. Filed Jan. 14, 1949, Serial No. 549,135.

The DIME CO. SILVER CLUB Inc.

FOR SILVER PLATED TABLEWARE—NAMELY, KNIVES, FORKS, SPOONS, AND HOLLOW WARE CONTAINERS AND LADLES.
Claims use since Jan. 2, 1948.

510,804. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMSON-SMELTZLY CORPORATION, Chicago, Ill. Filed Feb. 16, 1949, Serial No. 549,594.

FLUSHbrite

FOR PREPARATION TO BE USED AS A DISINFECTANT, GERMICIDE, AND DEODORANT PRODUCT WITH INCIDENTAL CLEANSING PROPERTIES FOR TOILETS.
Claims use since Nov. 25, 1947.

510,805. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KENNEL FOOD SUPPLY COMPANY, INCORPORATED, Fairfield, Conn. Filed Feb. 14, 1948, Serial No. 549,733.

FAIRFIELD

Applicant claims ownership of Registration No. 415,608.
FOR DOG FOOD.
Claims use since July 18, 1943.

510,806. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE BOYE NEEDLE COMPANY, Chicago, Ill. Filed Feb. 21, 1949. Serial No. 550,579.

"EZY - KNIT"

FOR KNITTING PINS.
Claims use since Feb. 13, 1948.

510,807. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOUGLAS B. PINGUELY, doing business as Pinguely Chemical & Drug Co., Erie, Pa. Filed Feb. 11, 1949; original filed Mar. 12, 1948, Serial No. 551,819.

PINGUELY'S

FOR HEALING SALVE.
Claims use since January 1920.

510,808. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EATON MANUFACTURING COMPANY, Cleveland, Ohio. Filed Mar. 13, 1948. Serial No. 551,878.

SPRING LOX

FOR LOCK WASHERS.
Claims use since June 1941.

510,809. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DENSCO, INCORPORATED, Denver, Colo. Filed Dec. 1, 1947, Serial No. 552,307.

"DENSCO Service"

Applicant claims ownership of Registrations Nos. 295,447, 420,678, and 426,600.
FOR METHYL METHACRYLATE DENTURE MATERIAL (BOTH LIQUID AND POWDER FORMS).
Claims use since Jan. 1, 1939.

510,810. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) R. G. BARRY CORP., Columbus, Ohio. Filed Mar. 10, 1949, Serial No. 552,912.

Barry Bra Straps

FOR SHOULDER STRAPS.
Claims use since Feb. 25, 1948.

510,811. (CLASS 7. CORDAGE.) WRIGHT SALES COMPANY, INC., Cleveland, Ohio. Filed Mar. 16, 1949, Serial No. 553,162.

CUSTOM-CRAFT

FOR VENETIAN BLIND CORD.
Claims use since Dec. 12, 1947.

510,812. (CLASS 31. FILTERS AND REFRIGERATORS.) WILSON CABINET CO., INC., Smyrna, Del. Filed Jan. 27, 1949; original filed Mar. 29, 1948, Serial No. 553,327.

STOR SAFE

FOR NORMAL TEMPERATURE REACH-IN REFRIGERATORS.
Claims use since Sept. 27, 1946.

510,813. (CLASS 31. FILTERS AND REFRIGERATORS.) WILSON CABINET CO., INC., Smyrna, Del. Filed Jan. 26, 1949; original filed Mar. 29, 1948, Serial No. 553,328.

STOR-VAULT

FOR NORMAL TEMPERATURE WALK-IN REFRIGERATED ROOMS.
Claims use since Nov. 22, 1946.

510,814. (CLASS 31. FILTERS AND REFRIGERATORS.) WILSON CABINET CO., INC., Smyrna, Del. Filed Mar. 25, 1949; original filed Mar. 29, 1948, Serial No. 553,329.

ZERO SAFE

FOR LOW TEMPERATURE REACH-IN REFRIGERATORS.
Claims use since Jan. 28, 1946.

510,815. (CLASS 31. FILTERS AND REFRIGERATORS.) WILSON CABINET CO., INC., Smyrna, Del. Filed Jan. 27, 1949, Serial No. 553,330.

ZERO-VAULT

FOR LOW TEMPERATURE WALK-IN REFRIGERATED ROOMS.
Claims use since Aug. 13, 1947.

510,816. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) STA-RITE GINNIE-LOU, INC., Shelbyville, Ill. Filed Apr. 5, 1949, Serial No. 555,777.

Bead-Ette

FOR HAIR CLASPS.
Claims use since June 13, 1947.

510,817. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ALPHA METALS, INC., Brooklyn, N. Y. Filed Mar. 14, 1949, Serial No. 557,579.

LEAK-PRUF

FOR SOLDERS COMPRISED PRIMARILY OF LEAD AND TIN.
Claims use since Mar. 3, 1948.

510,818. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) PLATT LUGGAGE, INC., Chicago, Ill. Filed Sept. 1, 1948, Serial No. 564,524.

PLATT

FOR MEN'S HAND LUGGAGE—NAMELY, COMPANION OR OVERNIGHT CASES, ONE SUITERS, TWO SUITERS, AND THREE SUITERS OR OVERSIZE CASES, AND WOMEN'S HAND LUGGAGE—NAMELY, VICTORIA CASES, HAT AND SHOE CASES, OVERNIGHT CASES, WARDROBE CASES, PULLMAN CASES, TRAY PULLMAN CASES, AND FORTNIGHTERS AND JACKKNIFF CASES.
Claims use since January 1946.

510,819. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) D. B. FULLER & CO., INC., New York, N. Y. Filed Nov. 12, 1948, Serial No. 568,605.

Fuller Fabrics

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES AND MIXTURES THEREOF.
Claims use since May 13, 1946.

TRADE-MARK REGISTRATIONS RENEWED

69,486. REUTER. Registered June 16, 1908. Barclay & Barclay. Re-renewed June 16, 1948, to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y., a corporation of New York. PILLS FOR THE RELIEF OF CONSTIPATION, DYSPEPSIA, HEADACHE, BILIOUSNESS, FLATULENCY, LIVER DISEASE, DIZZINESS, NAUSEA, AND DISTRESS. Class 6.

70,369. HALL'S STANDARD SAFE. Registered Aug. 25, 1908. Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y. Re-renewed Aug. 25, 1948, to Herring-Hall-Marvin Safe Company, Hamilton, Ohio, a corporation of Florida. SAFES. Class 25.

70,411. HALL'S SAFE AND LOCK CO. Registered Aug. 25 1908. Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y. Re-renewed Aug. 25, 1948, to Herring-Hall-Marvin Safe Company, Hamilton, Ohio, a corporation of Florida. SAFES. Class 25.

72,721. P & S. Registered Feb. 16, 1909. Pass & Seymour, Incorporated, Solvay, N. Y. Re-renewed Feb. 16, 1949, to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York. SOCKETS, RECEPTACLES, PLUGS, AND SHADE HOLDERS FOR ELECTRIC LAMPS; INSULATORS, CUT-OUTS, ETC. Class 21.

73,094. EAGLE. Registered Mar. 16, 1909. The American Sugar Refining Company, Jersey City, N. J. Re-renewed Mar. 16, 1949, to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey. GRANULATED SUGAR. Class 46.

73,096. "EAGLE" AND REPRESENTATION OF EAGLE. Registered Mar. 16, 1909. The American Sugar Refining Company, Jersey City, N. J. Re-renewed Mar. 16, 1949, to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey. GRANULATED SUGAR. Class 46.

78,101. REPRESENTATION OF MASK. Registered Mar. 16, 1909. The American Sugar Refining Company, Jersey City, N. J. Re-renewed Mar. 16, 1949, to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey. HARD SUGAR. Class 46.

73,579. "WM. A. ROGERS" AND DESIGN. Registered May 4, 1909. Wm. A. Rogers Limited, Toronto, Ontario, Canada, and Niagara Falls, N. Y. Re-renewed May 4, 1949, to Oneida Ltd., Oneida and Sherrill, N. Y., a corporation of New York. METAL-POLISH IN PASTE FORM. Class 4.

73,611. REX. Registered May 4, 1909. J. A. & W. Bird & Co., Boston, Mass. Re-renewed May 4, 1949, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts. ROOFING-FELT AND ROOFING-PAPER. Class 12.

73,664. "THE R J & B" AND DESIGN. Registered May 11, 1909. Roberts, Johnson, & Rand Shoe Company. Re-renewed May 11, 1949, to International Shoe Co., St. Louis, Mo., a corporation of Delaware. LEATHER BOOTS AND SHOES. Class 39.

74,114. REPRESENTATION OF PENCIL TIP. Registered June 22, 1909. American Lead Pencil Company, New York, N. Y. Re-renewed June 22, 1949, to American Lead Pencil Company, Hoboken, N. J., a corporation of New York. LEAD PENCILS. Class 37.

74,515. VIYELLA. Registered July 20, 1909. William Hollins and Company, Limited, Mansfield, Radford, Nottingham, Bridgeton, and London, England, and Glasgow, Scotland. Re-renewed July 20, 1949, to William Hollins & Co. Limited, Nottingham, England, a British company. WOMEN'S GARMENTS COMPRISING COSTUMES, BLOUSES, AND SHIRT WAISTS, NIGHT DRESSES, DRESSING GOWNS, DRESSING JACKETS, ETC. Class 39.

74,557. "IOWA'S PRIDE" AND REPRESENTATION OF BUTCHER ENCLOSED BY HEART-SHAPED DESIGN. Registered July 20, 1909. John Morrell & Company Limited, Liverpool, England, and Ottumwa, Iowa. Re-renewed July 20, 1949, to John Morrell & Co., Ottumwa, Iowa, a corporation of Maine. SLICED BEEF, SUMMER-SAUSAGE, SLICED COOKED HAM, SLICED SUGAR-CURED HAM, ETC. Class 46.

75,132. VELVA. Registered Sept. 7, 1909. Penick & Ford, Limited, Shreveport and New Orleans, La. Re-renewed Sept. 7, 1949, to Penick & Ford, Ltd., Incorporated, New York, N. Y., a corporation of Delaware. SYRUP. Class 46.

75,154. ALOXITE. Registered Sept. 7, 1909. The Carborundum Company. Re-renewed Sept. 7, 1949, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware. ABRASIVE MATERIALS AND TOOLS. Class 4.

158,546. "HELIONICE" ETC., AND DESIGN. Registered Sept. 5, 1922. Ste. Ame. des Industries Chimiques Wilsele, Wilsele-les-Louvain, Belgium. Renewed Sept. 5, 1942 (as provided by P. L. 517, July 17, 1946), to Societe Anonyme des Industries Chimiques de Wilsele, Wilsele, near Louvain, Belgium, a corporation organised under the laws of the Kingdom of Belgium. CHEMICALS AND PAINTS, MORE PARTICULARLY LITHOPONE, PERMANENT ZINC PAINT HAVING ZINC SULPHIDE AS A BASE, UNAFFECTED BY LIGHT OR SUN RAYS. Class 16.

162,250. "GEVAERT" ETC., AND TRIANGULAR-SHAPED DESIGN. Registered Dec. 12, 1922. Gevaert Photo Producten, Oude-God, near Antwerp, Belgium. Renewed Dec. 12, 1942 (as provided by P. L. 617, July 17, 1946), to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamlose Vennootschap or Societe Anonyme, Mortsel, near Antwerp, Belgium, a corporation organised under the laws of the Kingdom of Belgium. CAMERAS, PHOTOGRAPHIC FILMS ON SPOOLS, ETC. Class 26.

162,251. GEVAERT. Registered Dec. 12, 1922. Gevaert Photo-Producten, Oude-God, near Antwerp, Belgium. Renewed Dec. 12, 1942 (as provided by P. L. 617, July 17, 1946), to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamlose Vennootschap or Societe Anonyme, Mortsel near Antwerp, Belgium, a corporation organised under the laws of the Kingdom of Belgium. CAMERAS, PHOTOGRAPHIC FILMS ON SPOOLS, ETC. Class 26.

162,252. ARTOS. Registered Dec. 12, 1922. Gevaert Photo-Producten, Oude-God, near Antwerp, Belgium. Renewed Dec. 12, 1942 (as provided by P. L. 617, July 17, 1946), to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamlose Vennootschap or Societe Anonyme, Mortsel near Antwerp, Belgium, a corporation organised under the laws of the Kingdom of Belgium. CAMERAS, PHOTOGRAPHIC FILMS ON SPOOLS, ETC. Class 26.

165,667. "RIDAX" AND DESIGN. Registered Mar. 20, 1923. Gevaert Photo-Producten, Oude-God, near Antwerp, Belgium. Renewed Mar. 20, 1943 (as provided by P. L. 617, July 17, 1946), to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamlose Vennootschap or Societe Anonyme, Mortsel near Antwerp, Belgium, a corporation organised under the laws of the Kingdom of Belgium. CAMERAS, PHOTOGRAPHIC FILMS ON SPOOLS, ETC. Class 26.

165,668. "RELOR" AND DESIGN. Registered Mar. 20, 1923. Gevaert Photo-Producten, Oude-God, near Antwerp, Belgium. Renewed Mar. 20, 1943 (as provided by P. L. 617, July 17, 1946), to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamlose Vennootschap or Societe Anonyme, Mortsel near Antwerp, Belgium, a corporation organised under the laws of the Kingdom of Belgium. CAMERAS, PHOTOGRAPHIC FILMS ON SPOOLS, ETC. Class 26.

165,669. "RONIX" AND DESIGN. Registered Mar. 20, 1923. Gevaert Photo-Producten, Oude-God, near Antwerp, Belgium. Renewed Mar. 20, 1943 (as provided by P. L. 617, July 17, 1946), to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamlose Vennootschap or Societe Anonyme, Mortsel, near Antwerp, Belgium, a corporation organised under the laws of the Kingdom of Belgium. CAMERAS, PHOTOGRAPHIC FILMS ON SPOOLS, ETC. Class 26.

165,756. "ORTHO-BROM" AND DESIGN. Registered Mar. 20, 1923. Gevaert Photo-Producten, Oude-God, near Antwerp, Belgium. Renewed Mar. 20, 1943 (as provided by P. L. 617, July 17, 1946), to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamlose Vennootschap or Societe Anonyme, Mortsel, near Antwerp, Belgium, a corporation organised under the laws of the Kingdom of Belgium. PHOTOGRAPHIC FILMS ON SPOOLS, FILM PACKS, ETC. Class 26.

166,000. "NOVA BROM" AND DESIGN. Registered Mar. 27, 1923. Gevaert Photo Producten, Oude-God, near Antwerp, Belgium. Renewed Mar. 27, 1943 (as provided by P. L. 617, July 17, 1946), to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamlose Vennootschap or Societe Anonyme, Mortsel, near Antwerp, Belgium, a corporation organised under the laws of the Kingdom of Belgium. CAMERAS, PHOTOGRAPHIC FILMS ON SPOOLS, ETC. Class 26.

166,053. "NOVAGAS" AND DESIGN. Registered Mar. 27, 1923. Gevaert Photo Producten, Oude-God, near Antwerp, Belgium. Renewed Mar. 27, 1943 (as provided by P. L. 617, July 17, 1946), to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamlose Vennootschap or Societe Anonyme, Mortsel, near Antwerp, Belgium, a corporation organised under the laws of the Kingdom of Belgium. CAMERAS, PHOTOGRAPHIC FILMS ON SPOOLS, ETC. Class 26.

190,178. "BLUE STAR PAPER" ETC. AND DESIGN. Registered Oct. 7, 1924. Gevaert Photo-Producten N. V., Oude-God, near Antwerp, Belgium. Renewed Oct. 7, 1944 (as provided by P. L. 617, July 17, 1946), to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamlose Vennootschap or Societe Anonyme, Mortsel, near Antwerp, Belgium, a corporation organised under the laws of the Kingdom of Belgium. SENSITIZED PHOTOGRAPHIC PAPERS. Class 26.

228,749. "PITCH EM". Registered June 7, 1927. Walbert Manufactoring Company, Inc., Chicago, Ill. Renewed June 7, 1947, to Wolverine Sopply and Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania. TOY HORSESHOE GAMES. Class 22.

241,946. "CARDINAL PAPRIKA" AND REPRESENTATION OF CROWN. Registered May 8, 1928. Emeterio Flores, New York, N. Y. Renewed May 8, 1948, to Emeterio Flores, Espinardo, Spain. PAPRIKA. Class 46.

248,454. ADANAC. Registered Oct. 23, 1928. Swift Canadian Company, Limited, Toronto, Ontario, Canada, a corporation organised under the laws of the Dominion of Canada. Renewed Oct. 23, 1948. BACON. Class 46.

250,677. AQUAGEL. Registered Dec. 11, 1928. William A. Collings, Los Angeles, Calif., assignor to Silica Products Co. Renewed Dec. 11, 1948, to National Lead Company, Sayreville, N. J., and New York, N. Y., a corporation of New Jersey. WATERPROOFING MATERIAL FOR USE IN CONCRETE OR THE LIKE. Class 12.

250,692. "SENECA" AND DESIGN. Registered Dec. 11, 1928. Seneca Oil Works. Renewed Dec. 11, 1948, to United Refining Company, Warren, Pa., a corporation of Pennsylvania. GASOLINE, KEROSENE, FUEL OIL, LUBRICATING OILS, AND PARAFFIN WAX. Class 15.

250,814. "MELLO" ETC. AND DESIGN. Registered Dec. 18, 1928. Albany Perforated Wrapping Paper Company. Renewed Dec. 18, 1948, to A. P. W. Products Company, Inc., Albany, N. Y., a corporation of New York. TOILET PAPER. Class 37.

250,862. BUFFET CRAMPON. Registered Dec. 18, 1928. Carl Fischer Inc. Renewed Dec. 18, 1948, to Carl Fischer Musical Instrument Co., Inc., New York, N. Y., a corporation of New York. WOODWIND, BRASS, AND REED MUSCIAL INSTRUMENTS, AND PARTS THEREOF CONSISTING OF MOUTHPIECES AND REEDS. Class 36.

252,399. MAIDENETTE. Registered Feb. 5, 1929. Enid Mfg. Co. Renewed Feb. 5, 1949, to Maiden Form Brassiere Co., Inc., New York, N. Y., a corporation of New York. BRASSIÈRES. Class 39.

252,765. "CROMWELL" AND PORTRAIT DESIGN. Registered Feb. 12, 1929. Wm. T. Knott Company Inc., New York, N. Y. Renewed Feb. 12, 1949, to Mercantile Stores Company, Inc., Wilmington, Del., a corporation of Delaware. SHEETS, PILLOWCASES, AND SHEETINGS. Class 42.

252,919. GENERAL. Registered Feb. 19, 1929. The General Tractor Company, Cleveland, Ohio. Renewed Feb. 19, 1949, to The Oliver Corporation, Chicago, Ill., a corporation of Delaware. TRACTORS. Class 23.

253,173. "NIAGARA CREAM PASTE" AND DESIGN. Registered Feb. 19, 1929. Wm. A. Rogers Limited, Toronto, Ontario, Canada, and Niagara Falls, N. Y. Renewed Feb. 19, 1949, to Oneida Ltd., Oneida and Sherrill, N. Y., a corporation of New York. POLISH FOR GOLD, SILVER, PLATED WARE, GLASS, AND LIKE MATERIALS. Class 4.

253,990. "WARRIOR COAL" AND DESIGN. Registered Mar. 12, 1929. The Stuver Bros. Company, Kaumore, Ohio. Renewed Mar. 12, 1949, to The Stuver Bros. Company, Barberton, Ohio, a corporation of Ohio. COAL. Class 1.

254,013. CANDOLIER. Registered Mar. 12, 1929. Noma Electric Corporation, New York, N. Y., a corporation of New York. Renewed Mar. 12, 1949. DECORATIVE LIGHTING FIXTURES. Class 21.

254,018. SYLVANIA. Registered Mar. 12, 1929. Sylvania Products Company, Emporium, Pa. Renewed Mar. 12, 1949, to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts. INCANDESCENT ELECTRIC LAMPS. Class 21.

254,044. "END-O-PEST" AND DESIGN. Registered Mar. 12, 1929. Agricultural Chemical Works, Inc., Los Angeles, Calif. Renewed Mar. 12, 1949, to Swift & Company, Chicago, Ill., a corporation of Illinois. MEAL-LIKE SUBSTANCE USED IN DESTROYING GARDEN AND LAWN INSECTS. Class 6.

254,045. HEBREW WORD MEANING "ROKEACH". Registered Mar. 12, 1929. I. Rokeach & Sons, Inc., Brooklyn, N. Y., a corporation of New York. Renewed Mar. 12, 1949. FRUIT PRESERVES, VEGETABLE FAT, SALAD OIL, A COTTON SEED PRODUCT, HONEY, AND COCOA. Class 46.

254,053. "BURN ERIE COAL" AND DESIGN. Registered Mar. 12, 1929. John H. Faucett. Renewed Mar. 12, 1949, to James Victor Faucett, Bath, N. Y. ANTHRACITE AND BITUMINOUS COAL. Class 1.

254,135. HELEN OF TROY. Registered Mar. 12, 1929. The Armand Company, Des Moines, Iowa, a corporation of Iowa. Renewed Mar. 12, 1949. FACE POWDER. Class 6.

254,141. HOSTESS. Registered Mar. 12, 1929. The Shotwell Mfg. Co., Chicago, Ill., a corporation of Illinois. Renewed Mar. 12, 1949. MARSHMALLOWS. Class 46.

254,173. "NUJOL" ETC. AND DESIGN. Registered Mar. 12, 1929. Stanco Incorporated. Renewed Mar. 12, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. WHITE MINERAL OIL. Class 6.

254,176. COLETTE. Registered Mar. 12, 1929. Avery W. Frost, doing business as A. W. Frost Co., Chicago, Ill. Renewed Mar. 12, 1949, to Sidney Henry, New York, N. Y. FACE POWDER, TOILET POWDER, TISSUE CREAM, CLEANSING CREAM, LIQUID ROUGE, NAIL ENAMEL, HAND LOTION, AND BRILLIANTINE. Class 6.

254,432. "MISTOL" ETC. AND DESIGN. Registered Mar. 26, 1929. Stanco Incorporated. Renewed Mar. 26, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. NOSE AND THROAT SPRAY. Class 6.

254,449. "SHAWMUT BLADE" ETC. AND REPRESENTATION OF WRAPPER. Registered Mar. 26, 1929. Ruble Blade Corporation, New York, N. Y. Renewed Mar. 26, 1949, to Colton Razor Blade Company, Boston, Mass., a corporation of Massachusetts. RAZOR BLADES. Class 23.

254,638. "YEN-DIK." Registered Mar. 26, 1929. Cornel Drug Stores, Inc., New York, N. Y. Renewed Mar. 26, 1949, to P. M. Products, Inc., Jackson Heights, Long Island, N. Y., a corporation of New York. PREPARATION FOR THE KIDNEYS. Class 6.

254,639. P. M. Registered Mar. 26, 1929. Cornel Drug Stores Inc., New York, N. Y. Renewed Mar. 26, 1949, to P. M. Products, Inc., Jackson Heights, Long Island, N. Y., a corporation of New York. PREPARATION FOR HEADACHE, COLDS, INFLUENZA, NEURALGIA, RHEUMATIC PAIN, NEURITIS, SCIATICA, LUMBAGO, TOOTHACHE, AND MENSTRUAL PAIN. Class 6.

254,650. REX. Registered Mar. 26, 1929. The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio. Renewed Mar. 26, 1949. GAS, OIL, AND VAPOR BURNING WATER HEATERS, ETC. Class 34.

254,822. HYLASTIC. Registered Apr. 2, 1929. Pillsbury Flour Mills Company. Renewed Apr. 2, 1949, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

254,870. CARROLLTONE. Registered Apr. 2, 1929. Oxford Paper Company, New York, N. Y., a corporation of Maine. Renewed Apr. 2, 1949. PRINTING PAPER FOR BOOKS, PERIODICALS, AND ADVERTISING FOLDERS, ETC. Class 37.

254,896. "B. O. C. "CHURN" BRAND" AND DESIGN. Registered Apr. 2, 1929. British Glues & Chemicals Limited, London, England. Renewed Apr. 2, 1949, to British Glues & Chemicals Limited, Welwyn Garden City, England, a corporation of Great Britain. CATTLE FOODS. Class 46.

254,908. "THE QUALITY KIND" AND SEAL DESIGN. Registered Apr. 2, 1929. The Buckstaff Company, Oshkosh, Wis., a corporation of Wisconsin. Renewed Apr. 2, 1949. END TABLES, BREAKFAST TABLES, DROP-LEAF TABLES, TELEPHONE TABLES, CHILDREN'S TABLES, ETC. Class 32.

255,163. "CONNOR" ETC. AND DESIGN. Registered Apr. 16, 1929. J. & K. Connor, Limited, London, England, a company organised under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Apr. 16, 1949. LADIES' AND CHILDREN'S HATS. Class 39.

255,167. "PIN MONEY" AND REPRESENTATION OF A PIN. Registered Apr. 16, 1929. L. Bamberger & Co., Newark, N. J. Renewed Apr. 16, 1949, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. SHOES MADE OF LEATHER AND FABRIC OR A COMBINATION OF BOTH. Class 39.

255,449. STALWART. Registered Apr. 23, 1929. The Flintkote Company, Boston, Mass. Renewed Apr. 23, 1949, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts. ASPHALTIC COMPOSITION ROOFING IN ROLL FORM. Class 12.

255,479. HALF MOON. Registered Apr. 23, 1929. Gold Banner Association, Redlands, Calif., a corporation of California. Renewed Apr. 23, 1949. FRESH CITRUS FRUITS. Class 46.

255,673. DR. SNODDY'S CROUP SPECIFIC. Registered Apr. 30, 1929. The Snoddy Medicine Company, Slater, Mo., a firm. Renewed Apr. 30, 1949. CROUP MEDICINE. Class 6.

256,207. "BROWN COW" ENCLOSED BY PANEL DESIGN AND REPRESENTATION OF COW. Registered May 7, 1929. J. Hungerford Smith Co., Rochester, N. Y., a corporation of New York. Renewed May 7, 1949. CHOCOLATE SYRUP INTENDED TO BE USED AS THE BASIC FLAVOR FOR MALTED MILKS. Class 46.

256,736. CREST. Registered May 21, 1929. The Menasha Products Company, Chicago, Ill. Renewed May 21, 1949, to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin. PAPER NAPKINS. Class 37.

256,764. "PIN MONEY" AND REPRESENTATION OF A PIN. Registered May 21, 1929. L. Bamberger & Co., Newark, N. J. Renewed May 21, 1949, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. Class 39.

256,965. "HAWAIIAN PRINCE" AND PORTRAIT DESIGN. Registered May 28, 1929. Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Iwilei, Territory of Hawaii. Renewed May 28, 1949, to Hawaiian Tuna Packers, Limited, Honolulu, Territory of Hawaii, a corporation organized under the laws of the Territory of Hawaii. CANNED FRUITS AND FRUIT JUICES FOR FOOD-FLAVORING PURPOSES. Class 46.

257,220. FRESHY. Registered June 4, 1929. Goldman-Baer Company. Renewed June 4, 1949, to The Goldman Company, Baltimore, Md., a corporation of Maryland. MIDDY BLOUSES, LADIES', CHILDREN'S, AND MISSES' DRESSES; KNICKERS, BOYS' SUITS, BLOOMERS, OVERSKIRTS, WAISTS, AND SPORT COATS. Class 39.

257,364. LINENTONE. Registered June 4, 1929. The Menasha Products Company, Chicago, Ill. Renewed June 4, 1949, to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin. PAPER NAPKINS. Class 37.

257,534. "STARTOMATIC" AND DESIGN. Registered June 11, 1929. The Startomatic Corporation, Los Angeles, Calif. Renewed June 11, 1949, to The Startomatic Corporation, West Los Angeles, Calif., a corporation of Nevada. AUTOMATIC STARTING APPARATUS FOR AUTOMOBILES. Class 21.

257,989. "SPUD" AND DESIGN. Registered June 25, 1929. The Axton Fisher Tobacco Co., Louisville, Ky. Renewed June 25, 1949, to Philip Morris & Co. Ltd., Incorporated, New York, N. Y., a corporation of Virginia. CIGARETTES. Class 17.

258,143. "RICO" AND DESIGN LINED FOR BLUE. Registered June 25, 1929. A. H. Rice Co., Pittsfield, Mass., a corporation of Massachusetts. Renewed June 25, 1949. THREAD. Class 43.

258,162. KAYSERETTES. Registered June 25, 1929. Julius Kayser & Co., New York, N. Y., a corporation of New York. Renewed June 25, 1949. WOMEN'S AND CHILDREN'S HOSIERY OF SILK, ARTIFICIAL SILK, COTTON, WOOL, AND COMBINATIONS THEREOF. Class 39.

258,251. BATTLESHIP. Registered July 2, 1929. The Canby, Ach & Canby Co., Dayton, Ohio. Renewed July 2, 1949, to William S. Scull Company, Camden, N. J., a corporation of New Jersey. BLENDED COFFEE AND PEANUT BUTTER. Class 46.

258,393. PEMBROOK. Registered July 9, 1929. Woolf Brothers, Inc., Kansas City, Mo., a corporation of Missouri. Renewed July 9, 1949. MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, VESTS, OVERCOATS, COATS, AND PANTS. Class 39.

258,435. MONEY SAVER. Registered July 9, 1929. International Shoe Co., St. Louis, Mo., a corporation of Delaware. Renewed July 9, 1949. BOOTS AND SHOES OF LEATHER. CLASS 39.

258,538. HEXALIN. Registered July 9, 1929. Newport Manufacturing Company, Carrollville, Wis. Renewed July 9, 1949, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. PHOTOGRAPHIC CHEMICALS, DYESTUFFS, AND HEXAHYDROPHENOL. Class 6.

258,573. DUCLEAN. Registered July 9, 1929. E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Renewed July 9, 1949. RUST SOLVENT. Class 6.

258,646. HANDSOFT. Registered July 9, 1929. Kirkman & Son, Brooklyn, N. Y. Renewed July 9, 1949, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. HAND LOTION. Class 6.

258,695. OMICRON. Registered July 16, 1929. The Master Builders Company, Cleveland, Ohio, a corporation of Ohio. Renewed July 16, 1949. MATERIAL TO BE USED AS AN INGREDIENT IN CONCRETE TO IMPROVE THE PROPERTIES THEREOF, ETC. Class 12.

258,696. METALICRON. Registered July 16, 1929. The Master Builders Company, Cleveland, Ohio, a corporation of Ohio. Renewed July 16, 1949. MATERIAL TO BE USED AS AN INGREDIENT IN CONCRETE TO IMPROVE THE PROPERTIES THEREOF, PARTICULARLY TO INCREASE THE HARDNESS THEREOF. Class 12.

258,770. WAXTEX. Registered July 16, 1929. The Menasha Products Company, Chicago, Ill. Renewed July 16, 1949, to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin. WRAPPING PAPER, SHELVING PAPER, WRAPPING TISSUE, MOISTURE PROOF PAPER, IN SHEETS AND ROLLS. Class 37.

258,909. HUMBOLDT GOLD. Registered July 16, 1929. Valley Flower Co-operative Creamery Co., Ferndale, Calif., a corporation of California. Renewed July 16, 1949. BUTTER. Class 46.

259,006. GRANOSAN. Registered July 23, 1929. E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. Renewed July 23, 1949. SEED DISINFECTANT FOR TREATING SMALL GRAINS. Class 6.

259,070. "TOPPER" AND PICTURESQUE DESIGN. Registered July 23, 1929. L. K. Small Company, Los Angeles, Calif. Renewed July 23, 1949, to T. M. Parks, Lompoc, Calif. FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, FRESH VEGETABLES, FRESH GRAPES, AND FRESH CANTALOUPES. Class 46.

259,280. PANTRY PRIDE. Registered July 30, 1929. Tolerton & Warfield Company, Sioux City, Iowa, a corporation of Iowa. Renewed July 30, 1949. FOOD PRODUCTS—NAMELY, PANCAKE FLOUR. Class 46.

259,418. RED-RITE. Registered July 30, 1929. Continental Optical Company. Renewed July 30, 1949, to Continental Optical Company, Inc., Indianapolis, Ind., a corporation of Indiana. OPHTHALMIC LENSES. Class 26.

259,588. ALTACIDE. Registered Aug. 6, 1929. Chipman Chemical Engineering Company, Incorporated, Middlesex, N. J. Renewed Aug. 6, 1949, to Chipman Chemical Company, Inc., Bound Brook, N. J., a corporation of New York. COMPOUND FOR DESTROYING VEGETATION. Class 6.

259,653. "JOHNNIE FAIR" ETC. AND DRAWING. Registered Aug. 6, 1929. Shreveport Syrup Company, Inc. Renewed Aug. 6, 1949, to John R. Murphy, trading as Shreveport Syrup Company, Shreveport, La. CANNED TABLE SYRUPS. Class 46.

259,725. SOLUCRIN. Registered Aug. 6, 1929. G. W. Carnrick Co., Newark, N. J., a corporation of New Jersey. Renewed Aug. 6, 1949. ENDOCRINE TONIC USED FOR GENERAL DEBILITY, ASTHENIA, STATES OF CONVALESCENCE, ETC. Class 6.

259,769. INCRESOL. Registered Aug. 6, 1929. G. W. Carnrick Co., Newark, N. J., a corporation of New Jersey. Renewed Aug. 6, 1949. ENDOCRINE TONIC USED TO RAISE THE TOTAL METABOLISM, INCREASE THE LIBERATION OF ENERGY, INCREASE MUSCLE EFFICIENCY AND GENERAL VIGOR. Class 6.

259,937. MAGNISCOPE. Registered Aug. 13, 1929. Dayton Scale Company, Dayton, Ohio. Renewed Aug. 13, 1949, to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio. READING LENS FOR GRADUATED SCALES AND ESPECIALLY FOR WEIGHING AND COMPUTING CHARTS USED IN WEIGHING AND COMPUTING MACHINES. Class 26.

260,099. SWORD. Registered Aug. 13, 1929. George W. Simmons Corporation, New York, N. Y. Renewed Aug. 13, 1949, to Household Products Company, Evanston, Ill., a corporation of Illinois. CLEANSING POWDER, STEEL WOOL, TOILET AND LAUNDRY SOAP, SOAP POWDER, SHAVING SOAP, SHAVING CREAM, AND FOOT SOAP. Class 4.

260,144. "STAZRITE" AND SCROLL DESIGN. Registered Aug. 20, 1929. Quaker Oil Products Corporation. Renewed Aug. 20, 1949, to Quaker Chemical Products Corporation, Conshohocken, Pa., a corporation of Pennsylvania. LUBRICATING GREASES. Class 15.

260,171. ALESSANDRO. Registered Aug. 20, 1929. Canoga Citrus Association, Owensmouth, Calif. Renewed Aug. 20, 1949, to Canoga Citrus Association, Canoga Park, Calif., a corporation of California. FRESH CITRUS FRUITS. Class 46.

260,295. "INGLESIDE" AND DESIGN. Registered Aug. 20, 1929. Walter H. Cargill, doing business as W. H. Cargill Co., Columbus, Ga. Renewed Aug. 20, 1949, to Penick & Ford, Ltd., Incorporated, New York, N. Y., a corporation of Delaware. SUGAR-CANE SYRUP. Class 46.

260,579. "SEMET-SOLVAY COKE" AND DESIGN. Registered Aug. 27, 1929. Semet-Solvay Company. Renewed Aug. 27, 1949, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. COKE. Class 1.

260,656. MASTERSEAL. Registered Aug. 27, 1929. The Master Builders Company, Cleveland, Ohio, a corporation of Ohio. Renewed Aug. 27, 1949. MATERIAL TO BE APPLIED TO THE SURFACE OF MASONRY TO FORM A COLORLESS SURFACE WATERPROOFING COATING THEREON. Class 12.

261,080. "QUALITY" AND DESIGN. Registered Sept. 3, 1929. Graybar Electric Company, Inc., New York, N. Y., a corporation of New York. Renewed Sept. 3, 1949. RADIO RECEIVING SETS AND PARTS THEREOF. Class 21.

261,267. "BRILL'S" ETC. AND TRIANGULAR DESIGN LINED FOR BLUE COLOR. Registered Sept. 10, 1929. H. C. Brill Company, Inc., Newark, N. J., a corporation of New Jersey. Renewed Sept. 10, 1949. CAKE MIX. Class 46.

TRADE-MARK REGISTRATIONS CANCELED

246,768. BLOOM. Registered Sept. 11, 1928. Swift and Company, Chicago, Ill. GELATIN. Class 46. Canceled May 6, 1949.

415,718. LILY DAIRE. Registered Aug. 14, 1945. M. Gollomp & Sons, New York, N. Y. MISSES' AND WOMEN'S DRESSES. Class 39. Canceled May 6, 1949.

417,298. POLYPLEX. Registered Oct. 23, 1945. Herbert J. Heribert, New York, N. Y. ADHESIVES IN THE FORM OF CEMENTS, GLUES, AND PASTES, ETC. Class 5. Canceled May 6, 1949.

417,704. LUPLEX. Registered Nov. 13, 1945. Herbert J. Heribert, New York, N. Y. ADHESIVE CEMENT FOR BONDING CORK, LEATHER, LINOLEUM, ETC. Class 5. Canceled May 6, 1949.

421,947. LUPLEX. Registered June 25, 1946. Herbert J. Heribert, New York, N. Y. SOLUTION TO BE USED AS A COATING, FINISH, OR LACQUER FOR TEXTILES AND FOR PLASTICS, ETC. Class 6. Canceled May 6, 1949.

431,521. TERRY TEENS. Registered July 22, 1947. Doris Miller, Inc., New York, N. Y. CHILDREN'S AND YOUNG LADIES' UNDERWEAR. Class 39. Canceled May 6, 1949.

431,539. SNAP-TITE. Registered July 22, 1947. Stadham Company, Inc., Philadelphia, Pa. IRONING BOARD COVER. Class 24. Canceled May 6, 1949.

502,971. KNITEST. Registered Oct. 12, 1948. Barbet Mills, Incorporated, Gastonia, N. C. KNITTED FABRICS, COMPOSED OF COTTON, RAYON, WOOL, ETC. Class 42. Canceled May 6, 1949.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

66,807. "K. C. BAKING POWDER" AND DESIGN. Registered June 4, 1912. Jaques Mfg. Co., Chicago, Ill. BAKING-POWDER. Class 6. Amended as follows: In the statement, lines 9, 10, and 11, "No. 6, Chemicals, medicines, and pharmaceutical preparations" is deleted and *46, Foods and ingredients of foods* is inserted in lieu thereof.

252,085. ARIDIZE. Registered Jan. 22, 1929. United States Gypsum Company, Chicago, Ill. PLASTER. Class 12. The drawing is hereby amended to appear as follows:

Aridize

294,323. "KIWI BOOT-POLISH" AND DESIGN. Registered May 24, 1932. The Kiwi Polish Company Proprietary Limited, Richmond, near Melbourne, Australia. POLISHING PREPARATIONS FOR BOOTS, SHOES, ETC. Class 4. The drawing is hereby amended to appear as follows:

KIWI BOOT POLISH

506,660. SUPER 60. Registered Feb. 15, 1949. Puritan Company, Incorporated, Rochester, N. Y. BRAKE FLUID FOR HYDRAULIC BRAKES AND OTHER HYDRAULIC SYSTEMS WHICH USE A NON-MINERAL OIL BASE FLUID. Class 6. Corrected as follows: Column 2, line 1, for the word "work" read *word*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

265,160. NERO-NEVE. Registered Dec. 17, 1929. Livingston C. Van Name. PREPARATION IN POWDERED FORM FOR THE TREATMENT OF NEURALGIA, TOOTHACHE, ETC. Class 6. New certificate under section 7(c) issued June 7, 1949, to Louis A. Marli, doing business as Neuro Chemical Company, New York, N. Y.

340,338. "FAT MEN'S SHOP" AND PICTURE. Registered Nov. 3, 1936. Eva Klein Greenberger. MEN'S DRESS SHIRTS, WORK SHIRTS, UNDERSHIRTS, ETC. Class 39. New certificate under section 7(c) issued June 7, 1949, to Fat Men's Shop, Inc., New York, N. Y., a corporation of N. Y.

429,855. RAIN-MATE. Registered May 20, 1947. Ad Reinsberg. MEN'S, WOMEN'S, BOYS', AND GIRLS' RAINHATS. Class 39. New certificate under section 7(c) issued June 7, 1949, to Commercial Hat and Cap Company, a firm composed of Oscar Turner, Sarah Turner, Louis Turovitz, and Fay Turovitz, Chicago, Ill.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 260,595. Registered Aug. 27, 1929. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

CORENCO

FOR WOOL SHORN FROM SHEEP, FURS, AND BONE FOR MANUFACTURING PURPOSES, HIDES FROM HORSES AND CATTLE, CALFSKINS.
Claims use since about July 1920.

Reg. No. 323,358. Registered Apr. 9, 1935. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

CORENCO

FOR WOOL SHORN FROM SHEEP, FURS, AND BONE FOR MANUFACTURING PURPOSES, HIDES FROM HORSES AND CATTLE, AND CALFSKINS.
Claims use since about July 1920.

CLASS 2

RECEPTACLES

Reg. No. 247,445. Registered Sept. 25, 1928. SUPERIOR PAPER PRODUCTS COMPANY, Carnegie, Pa., a corporation of Delaware. Republished by registrant.

SUPER-KRAFT

The word "Kraft" is disclaimed apart from the mark as shown.
FOR CORRUGATED-PAPER SHIPPING CONTAINERS.
Claims use since Apr. 16, 1928.

Reg. No. 281,134. Registered Mar. 10, 1931. EMPIRE BOX CORPORATION, Chicago, Ill. Republished by Empire Box Corporation, Garfield, N. J., a corporation of Delaware.

REDIPAK
THE LIGHTNING CONTAINER

The word "Container" is disclaimed apart from the mark as shown.
FOR PAPER BOXES AND CARTONS.
Claims use since Sept. 16, 1930.

Reg. No. 293,501. Registered Apr. 26, 1932. BLOOMER BROS. COMPANY, Newark, N. Y., a corporation of New York. Republished by registrant.

EXID

FOR ICE CREAM PAILS OF CARDBOARD.
Claims use since April 1930.

Reg. No. 295,531. Registered July 5, 1932. BLOOMER BROS. COMPANY, Newark, N. Y., a corporation of New York. Republished by registrant.

Speede-Pac

FOR ICE CREAM PAILS OF CARDBOARD.
Claims use since Jan. 26, 1932.

Reg. No. 324,818. Registered June 4, 1935. BLOOMER BROS. COMPANY, Newark, N. Y., a corporation of New York. Republished by registrant.

"PEEL-PAIL"

The word "Pail" is disclaimed apart from the mark as shown.
FOR ICE CREAM PAILS OF CARDBOARD.
Claims use since July 6, 1933.

Reg. No. 385,606. Registered Mar. 11, 1941. EMPIRE BOX CORPORATION, Garfield, N. J., and Chicago, Ill. Republished by Empire Box Corporation, Garfield, N. J., a corporation of Delaware.

EZ-E-PAK

FOR COLLAPSIBLE GLUED BOXES, CARTONS, AND TRAYS MADE OF BOXBOARD, PAPERBOARD, OR CARDBOARD.
Claims use since on or about Sept. 1, 1940.

Reg. No. 421,311. Registered May 28, 1946. EMPIRE BOX CORPORATION, Garfield, N. J., a corporation of Delaware. Republished by registrant.

SHURPAK

FOR EGG CARTONS.
Claims use since on or about Apr. 25, 1945.

Reg. No. 426,728. Registered Jan. 7, 1947. EMPIRE BOX CORPORATION, Garfield, N. J., a corporation of Delaware. Republished by registrant.

EMPIRE

FOR COLLAPSIBLE GLUED BOXES, CARTONS AND TRAYS MADE OF BOXBOARD, PAPERBOARD, OR CARDBOARD.
Claims use since on or about May 18, 1946.

Reg. No. 426,729. Registered Jan. 7, 1947. EMPIRE BOX CORPORATION, Garfield, N. J., a corporation of Delaware. Republished by registrant.

EMPIRE
QUALITY
PRODUCTS

The words "Quality Prodocts" are disclaimed apart from the mark as shown.
FOR COLLAPSIBLE GLUED BOXES, CARTONS AND TRAYS MADE OF BOXBOARD, PAPERBOARD, OR CARDBOARD.
Claims use since on or about May 18, 1946.

Reg. No. 432,554. Registered Sept. 2, 1947. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant, present address North Brunswick Township, N. J.

TEXCEL

FOR ADHESIVE TAPE DISPENSERS.
Claims use since Mar. 3, 1939.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 421,982. Registered June 25, 1946. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

Vagabond

FOR LADIES' RETICULES, PURSES, POCKETBOOKS, AND POUCHES USED AS DRESS OR ENSEMBLE BAGS.
Claims use since Aug. 31, 1943.

Reg. No. 439,885. Registered July 6, 1948. HARTMANN COMPANY, Racine, Wis., a corporation of Wisconsin. Republished by registrant.

SKYMATE

FOR SUITCASES, LUGGAGE-CARRYING CASES, AND WARDROBE SUITCASES.
Claims use since June 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 49,351. Registered Feb. 6, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

SYNOL

FOR SOAP.
Claims use since 1898.

Reg. No. 88,088. Registered Aug. 27, 1912. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

Johnson's

FOR SOAPS.
Claims use since 1894.

Reg. No. 167,727. Registered May 8, 1923. H. KOHNSTAMM & Co., New York, N. Y., assignor to H. Kohnstamm & Co., Inc., a corporation of New York. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

CLENITAL

FOR WASHING POWDER FOR LAUNDRY PURPOSES.
Claims use since January 1916.

Reg. No. 196,744. Registered Mar. 24, 1925. H. KOHNSTAMM & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

UNITAL

FOR POWDERED SOAP FOR LAUNDRY AND TEXTILE PURPOSES.
Claims use since Aug. 16, 1924.

Reg. No. 196,862. Registered Mar. 31, 1925. H. KOHNSTAMM & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

KOLDSUDS

FOR SOAP.
Claims use since Aug. 1, 1924.

Reg. No. 273,198. Registered July 22, 1930. H. KOHNSTAMM & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

HOTSUDS SOAP 2011

The word "Soap" is disclaimed apart from the mark as shown.
FOR SOAP.
Claims use since Dec. 26, 1929.

Reg. No. 323,241. Registered Apr. 9, 1935. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

CORENCO CRC

FOR SOAP, GREASE, AND TALLOW USED FOR SOAP MAKING.
Claims use since about July 1920.

Reg. No. 395,910. Registered June 16, 1942. H. KOHNSTAMM & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

NO-CLOR

FOR WASHING COMPOUND FOR LAUNDRY PURPOSES.
Claims use since Jan. 2, 1942.

CLASS 5

ADHESIVES

Reg. No. 323,306. Registered Apr. 9, 1935. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

CORENCO CRC

FOR GLUE.
Claims use since about July 1920.

Reg. No. 385,834. Registered Mar. 18, 1941. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant, present address North Brunswick Township, N. J.

TEXCEL

FOR TRANSPARENT ADHESIVE TAPES.
Claims use since Mar. 3, 1939.

Reg. No. 388,238. Registered June 17, 1941. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant, present address North Brunswick Township, N. J.

PERMACEL

FOR PRESSURE-SENSITIVE ADHESIVE TAPES.
Claims use since June 7, 1932.

Reg. No. 401,619. Registered May 25, 1943. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant, present address North Brunswick Township, N. J.

UTILITAPE

FOR PRESSURE SENSITIVE ADHESIVE TAPES.
Claims use since June 1, 1932.

Reg. No. 417,602. Registered Nov. 6, 1945. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant, present address North Brunswick Township, N. J.

TEXCEL

FOR COLORED, TRANSLUCENT, AND NON-TRANSPARENT ADHESIVE TAPES USED FOR EXAMPLE FOR MASKING AND MENDING.
Claims use since July 28, 1941.

Reg. No. 433,551. Registered Oct. 21, 1947. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant, present address North Brunswick Township, N. J.

PERMACEL

FOR ADHESIVE CEMENTS IN LIQUID AND SOLID FORM.
Claims use since July 13, 1945.

Reg. No. 435,827. Registered Jan. 13, 1948. INDUSTRIAL TAPE CORPORATION, North Brunswick Township, N. J., a corporation of New Jersey. Republished by registrant.

BONDEX

FOR PLASTIC COATED MENDING TAPE.
Claims use since Apr. 19, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 54,124. Registered June 19, 1906. VAN HORN & SAWTELL, New York, N. Y. Republished by Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey.

K-Y

FOR ANTISEPTIC NON-FATTY AND SOLUBLE LUBRICATING JELLY.
Claims use since January 1904.

Reg. No. 58,406. Registered Dec. 11, 1906. H. KOHNSTAMM & Co., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

CLIMAX

FOR LAUNDRY STARCH.
Claims use since about the year 1896.

Reg. No. 58,407. Registered Dec. 11, 1906. H. KOHNSTAMM & Co., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

HERCULES

FOR LAUNDRY STARCH.
Claims use since about 1896.

Reg. No. 59,561. Registered Jan. 8, 1907. H. KOHNSTAMM & Co., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

ATLAS

FOR COAL-TAR DYES AND VEGETABLE DYE EXTRACTS FOR CONFECTIONERS' USE.
Claims use since Jan. 1, 1884.

Reg. No. 94,446. Registered Dec. 9, 1913. HAARER & SONS, Ann Arbor, Mich., a firm. Republished by registrant.

WONDER

FOR SALVES AND OINTMENTS.
Claims use since about November 1889.

Reg. No. 97,478. Registered June 9, 1914. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

Johnson's

FOR MEDICINAL PLASTERS, DIGESTIVE TABLETS, FUMIGATORS, AND TOILET POWDERS.
Claims use since 1887.

Reg. No. 100,837. Registered Oct. 27, 1914. H. KOHNSTAMM & Co., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

OMEGA

FOR LAUNDRY STARCH.
Claims use since about June 20, 1914.

Reg. No. 100,842. Registered Oct. 27, 1914. H. KOHNSTAMM & Co., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

ALBA

FOR LAUNDRY STARCH.
Claims use since about June 20, 1914.

Reg. No. 125,499. Registered May 20, 1919. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

B-W

FOR SODIUM SILICATE.
Claims use since on or about Nov. 1, 1918.

Reg. No. 126,028. Registered July 22, 1919. H. KOHNSTAMM & Co., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

CENTURY

FOR COLORING FOR FOODS.
Claims use since Aug. 23, 1917.

Reg. No. 144,596. Registered July 12, 1921. H. KOHNSTAMM & CO., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

NEW ATLAS GOLD PASTE COLORS

The words "Paste Colors" are disclaimed apart from the mark as shown.
FOR PASTE COLORS FOR FOODS AND INGREDIENTS IN FOODS.
Claims use since June 19, 1919.

Reg. No. 147,122. Registered Oct. 4, 1921. H. KOHNSTAMM & CO., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

CARMINROSA

FOR COAL-TAR COLORS.
Claims use since July 20, 1890.

Reg. No. 147,123. Registered Oct. 4, 1921. H. KOHNSTAMM & CO., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

PHLOXALINE

FOR COAL-TAR DYES.
Claims use since June 23, 1884.

Reg. No. 160,264. Registered Oct. 17, 1922. PALMERA, LIMITED, doing business as Misty, Montreal, Quebec, Canada. Republished by Consolidated Cosmetics, Chicago, Ill., a firm.

Gay Paree

FOR BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, FACE POWDERS, COMPACT FACE POWDERS, LIQUID FACE POWDERS, COMPACT ROUGES, LIQUID ROUGES, TALCUM POWDERS, EYEBROW AND EYELASH GROWERS, EYEBROW PENCILS, EYEDROPS, FACE BLEACHES, HAIR SALVES, SHAMPOOS, SKIN LOTIONS, HAND LOTIONS, LIPSTICKS, BATH SALTS, WITCH-HAZEL SALVES, CHEMICAL PREPARATIONS FOR SOFTENING OF THE CUTICLE, NAIL POLISHES, NAIL BLEACHES, TOILET WATERS, PERFUMES AND HAIR TONICS.
Claims use since Jan. 9, 1922.

Reg. No. 161,192. Registered Nov. 7, 1922. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ATLAS

FOR ANILINE BLUES FOR LAUNDRY PURPOSES.
Claims use since about 1882.

Reg. No. 180,222. Registered Feb. 26, 1924. ANCHOR SERUM COMPANY, South St. Joseph, Mo., a corporation of Missouri. Republished by registrant.

ANCHOR

FOR ANTI-HOG CHOLERA SERUM.
Claims use since July 1, 1917.

Reg. No. 181,279. Registered Mar. 18, 1924. MALCOLM O. GRASS, doing business as Key Chemical Company, Washington, D. C. Republished by Associated Products Company, Washington, D. C., a corporation of Maryland.

STOPIT

FOR PREPARATION FOR TREATMENT OF HEADACHE, NEURALGIA, NERVOUSNESS, INSOMNIA, TRAVELERS' HEADACHES.
Claims use since 1898.

Reg. No. 182,917. Registered Apr. 22, 1924. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

SUPER FIXE

The word "Blu" is disclaimed apart from the mark as shown.
FOR LAUNDRY AND TEXTILE SOUR.
Claims use since Mar. 1, 1923.

Reg. No. 199,000. Registered June 2, 1925. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Dr. M. Scholl M. D.

FOR FOOT BALM, ANTISEPTIC FOOT POWDER, BROMIDROSIS REMEDY, CHILBLAIN LOTION, LINIMENT FOR THE FEET, WENAL OINTMENT (AN ANALGESIC OINTMENT, ALSO USED FOR THE RELIEF OF PAINFUL JOINTS), LIQUID CORN REMEDIES, BUNION LOTION, CORN SALVE, BUNION SALVE, CALLOUS SALVE.
Claims use since January 1924.

Reg. No. 208,177. Registered Jan. 19, 1926. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

KUROTEX

FOR PLASTERS FOR CORNS, BUNIONS, AND CALLOUSES AND WARTS.
Claims use since July 10, 1924.

Reg. No. 218,291. Registered Sept. 21, 1926. PEARSON REMEDY CO., Burlington, N. C. Republished by Pearson Remedy Company, Inc., Burlington, N. C., a corporation of North Carolina.

THE GENUINE
INDIAN
BLOOD PURIFIER



The words "Genuine Blood Purifier" are disclaimed apart from the mark as shown.
FOR MEDICINAL COMPOUND FOR CONSTIPATION, INDIGESTION, BILIOUSNESS, SCROFULA, RHEUMATISM, CHILLS, CRAMP COLIC, KIDNEY AND LIVER TROUBLES, AND DISEASES OF WOMEN.
Claims use since 1919.

Reg. No. 252,556. Registered Feb. 12, 1929. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the Main, Germany. Republished by General Dyestuff Corporation, New York, N. Y., a corporation of New York.



FOR CHEMICALS FOR PROTECTION AGAINST MOTHS IN ALL KINDS OF TEXTILES.
Claims use since about January 1, 1923.

Reg. No. 263,038. Registered Oct. 29, 1929. THE NATIONAL LIME & STONE COMPANY, Findlay, Ohio, a corporation of Ohio. Republished by registrant.

MONARCH

FOR FLUXING LIME.
Claims use since about Dec. 1, 1928.

Reg. No. 276,001. Registered Oct. 7, 1930. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

KOWAXO
CLEANS WAXES

The drawing is lined for green. The words "Cleans—Waxes" are disclaimed apart from the mark as shown.
FOR WAX COMPOUND FOR LAUNDRY PURPOSES.
Claims use since Nov. 15, 1929.

Reg. No. 305,688. Registered Aug. 22, 1933. HOUDE ENGINEERING COSPORATION, Buffalo, N. Y. Republished by Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan.

HOO DYE

FOR SHOCK ABSORBER FLUID HAVING A GLYCERINE BASE.
Claims use since Jan. 1, 1928.

Reg. No. 305,689. Registered Aug. 22, 1933. HOUDE ENGINEERING CORPORATION, Buffalo, N. Y. Republished by Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan.

HOUDAILLE

FOR SHOCK ABSORBER FLUID HAVING A GLYCERINE BASE.
Claims use since Jan. 1, 1928.

Reg. No. 313,399. Registered May 29, 1934. HENRY A. FISCHEL, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR TOBACCO IN ITS VARIOUS FORMS FOR USE AS A POULTRY AND STOCK VERMICIDE AND VERMIFUGE.
Claims use since Aug. 3, 1931.

Reg. No. 313,817. Registered June 12, 1934. LA-RAY COSMETICS, INC., Newark, N. J., a corporation of New Jersey. Republished by registrant.

DR. KENYON'S COP-I-TONE

FOR FACE POWDER, ROUGE, SKIN OINTMENT FOR ITCHING SKIN AND ERUPTIONS, AND INTERNAL MEDICINE FOR THE TREATMENT OF INDIGESTION.
Claims use since July 15, 1933.

Reg. No. 345,719. Registered May 4, 1937. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Louisville, Ky., a corporation of Delaware. Republished by registrant.

VAPO-FUME

FOR PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND PLANT BACTERICIDES.
Claims use since Nov. 16, 1936.

Reg. No. 345,721. Registered May 4, 1937. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Louisville, Ky., a corporation of Delaware. Republished by registrant.

VAPO-FUME

FOR PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND PLANT BACTERICIDES.
Claims use since Nov. 16, 1936.

Reg. No. 350,813. Registered Sept. 28, 1937. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

BJ

FOR SILICATE OF SODA, EITHER ANHYDROUS, HYDRATED, OR IN SOLUTION.
Claims use since Apr. 11, 1935.

Reg. No. 354,530. Registered Feb. 15, 1938. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ATLAS

FOR COLORS IN THE FORM OF POWDER AND PULP USED IN THE MANUFACTURE OF COSMETICS.
Claims use since about 1882.

Reg. No. 361,935. Registered Nov. 8, 1938. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ATLAS

FOR PIGMENT COLORS AND LAKE COLORS FOR GENERAL MANUFACTURING PURPOSES.
Claims use since about 1882.

Reg. No. 369,502. Registered July 25, 1939. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

SEAL-TIP

FOR ADHESIVE MEDICATED SHIELDS, PADS, OR PLASTERS FOR CORNS, CALLOUSES, AND BUNIONS.
Claims use since Feb. 27, 1939.

Reg. No. 379,299. Registered July 9, 1940. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

CARMINOLINE

FOR COAL-TAR DYES.
Claims use since June 23, 1884.

Reg. No. 379,300. Registered July 9, 1940. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

SOLUBLE AMBERINE YELLOW

FOR COAL-TAR COLORS.
Claims use since Dec. 19, 1889.

Reg. No. 380,322. Registered Aug. 20, 1940. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ATLAS

FOR COAL-TAR DYES.
Claims use since Jan. 1, 1884.

Reg. No. 380,423. Registered Aug. 20, 1940. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Republished by James L. Younghusband, Chicago, Ill.

LINGER

FOR LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, PADS IMPREGNATED WITH DEODORANT AND ANTIPERSPIRANT LOTION, CREAMS FOR THE HANDS AND FACE, CLEANSING PADS IMPREGNATED WITH LOTION, PREPARATIONS FOR SKIN, HAIR AND FINGER NAILS, PERFUMES, COLOGNES AND DEODORANT COLOGNES.
Claims use since Mar. 18, 1938.

Reg. No. 386,107. Registered Mar. 25, 1941. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

ADHESEX

FOR CHEMICAL PREPARATION FOR REMOVING ADHESIVE TAPE AND ADHESIVE MASS FROM THE SKIN.
Claims use since May 17, 1938.

Reg. No. 396,710. Registered July 28, 1942. CHICAGO PHARMACAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CHIMEDIC

FOR PREPARATIONS FOR THE TREATMENT OF DISEASES OF THE SKIN, THE TREATMENT OF ANTI-ARTHRITIC AND ANTI-RHEUMATIC CONDITIONS, USED IN CONTROLLING HYPERTENSION, A PHARMACEUTICAL PREPARATION FOR THE PROMOTION OF URINARY ANTISEPSIS AND SEDATION IN THE TREATMENT OF GENITO-URINARY INFECTION, AND A SEDATIVE USED IN THE TREATMENT OF PERTUSSIS.
Claims use since Jan. 27, 1942.

Reg. No. 400,154. Registered Feb. 16, 1943. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

Johnson's

FOR BABY OIL.
Claims use since Mar. 19, 1935.

Reg. No. 401,372. Registered May 11, 1943. THE NATIONAL LIME & STONE COMPANY, Findlay, Ohio, a corporation of Ohio. Republished by registrant.

CAL-MAG

FOR PRODUCT FOR NEUTRALIZING AN ACID INGREDIENT IN THE MANUFACTURE OF COMMERCIAL FERTILIZERS.
Claims use since Nov. 8, 1942.

Reg. No. 406,534. Registered Apr. 11, 1944. THE SCHOLL MFG. CO., INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Zino-pads

The word "Pads" is disclaimed apart from the mark as shown.
FOR ADHESIVE MEDICATED SHIELDS OR PADS FOR CORNS, CALLOUSES, AND BUNIONS.
Claims use since June 16, 1921.

Reg. No. 414,150. Registered May 29, 1945. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

STARTEX

FOR WATER SOFTENER AND LAUNDRY BREAK COMPOUND FOR LAUNDRY PURPOSES.
Claims use since about November 1930.

Reg. No. 415,711. Registered Aug. 14, 1945. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

BORO-CHLOR

FOR LIQUID BLEACH USED FOR LAUNDRY PURPOSES.
Claims use since about 1912.

Reg. No. 417,164. Registered Oct. 16, 1945. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

Levelon

FOR BLUING USED FOR LAUNDRY PURPOSES.
Claims use since about January 1938.

Reg. No. 419,493. Registered Feb. 19, 1946. M. V. C. LABORATORIES, INC., Toledo, Ohio, a corporation of Ohio. Republished by registrant.

JIFFY-DRY

The word "Dry" is disclaimed apart from the mark as shown.
FOR NAIL POLISH DRIER.
Claims use since Mar. 22, 1945.

Reg. No. 421,946. Registered June 25, 1946. BONWIT TELLER INC., New York, N. Y., assignor to Consolidated Cosmetics, Chicago, Ill. Republished by Consolidated Cosmetics, Chicago, Ill., a firm.

Sultry

FOR PERFUMES.
Claims use since Nov. 28, 1944.

Reg. No. 422,362. Registered July 16, 1946. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ATLAS COLORS

The word "Colors" is disclaimed apart from the mark as shown.
FOR COLORS IN THE FORM OF POWDER AND PULP USED IN THE MANUFACTURE OF COSMETICS; PIGMENT COLORS AND LAKE COLORS FOR GENERAL MANUFACTURING PURPOSES; AND COAL-TAR DYES.
Claims use since about 1882.

Reg. No. 434,050. Registered Nov. 4, 1947. ONYX OIL & CHEMICAL COMPANY, Jersey City, N. J., a corporation of Delaware. Republished by registrant.

PHI-O-SOL

FOR WETTING AND EMULSIFYING AGENT AND PENETRANT USED IN THE TEXTILE INDUSTRY AND IN OTHER INDUSTRIES RELATED TO OR ALLIED WITH IT.
Claims use since on or about March 1940.

Reg. No. 438,818. Registered May 11, 1948. PACIFIC CHEMICAL COMPANY, Los Angeles, Calif. Republished by American-Marietta Company, Los Angeles, Calif., a corporation of Illinois.

PACIFIC

FOR INSECTICIDES, DEODORANTS IN LIQUID AND CAKE FORM USED TO ABSORB AND MASK ODORS; DISINFECTANTS, AUTOMOBILE MOTOR AND CARBURETOR AND SMALL PARTS CLEANER IN LIQUID FORM, USED TO DISSOLVE OIL AND GREASE AND REMOVE CARBON; AND A CHEMICAL RUST PREVENTATIVE AND REMOVER PREPARATION IN LIQUID FORM.
Claims use since 1904.

Reg. No. 439,806. Registered July 27, 1948. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

Stran

FOR SHAMPOO.
Claims use since July 24, 1944.

Reg. No. 439,913. Registered July 27, 1948. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J., corporation of Delaware. Republished by registrant.

SAVOIR FAIRE

FOR CLEANSING CREAM AND TOILET WATER.
Claims use since Mar. 12, 1947.

Reg. No. 439,925. Registered July 27, 1948. WEST DISINFECTING COMPANY, Long Island City, N. Y., a corporation of New York. Republished by registrant.

GRAINOSECT

FOR INSECTICIDE.
Claims use since December 1930.

Reg. No. 440,105. Registered Aug. 10, 1948. VAN PELT & BROWN, INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

Bellaspro

FOR ANALGESIC TABLETS.
Claims use since 1936.

CLASS 10
FERTILIZERS

Reg. No. 260,267. Registered Aug. 20, 1929. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

SUPERLAWN

FOR PLANT FOOD.
Claims use since about Jan. 1, 1929.

Reg. No. 262,656. Registered Oct. 22, 1929. THE NATIONAL LIME & STONE COMPANY, Findlay, Ohio, a corporation of Ohio. Republished by registrant.

MONARCH

FOR AGRICULTURAL LIME.
Claims use since about Mar. 5, 1929.

Reg. No. 321,749. Registered Feb. 12, 1935. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

CORENCO IRO

FOR FERTILIZERS, PLANT FOOD, AND AGRICULTURAL CHEMICALS.
Claims use since about July 1920.

Reg. No. 356,994. Registered May 24, 1938. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

At the Bottom of Good Crops

FOR FERTILIZERS.
Claims use since February 1934.

Reg. No. 404,484. Registered Nov. 30, 1943. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

SPURZ-ON



FOR FERTILIZER.
Claims use since July 21, 1942.

CLASS 11

INKS AND INKING MATERIALS

Reg. No. 354,375. Registered Feb. 8, 1938. H. KOHNSTAMM & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ATLAS

FOR COLORS IN THE FORM OF POWDER AND PULP USED IN THE MANUFACTURE OF INKS.
Claims use since about 1862.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 246,871. Registered Sept. 18, 1928. PORCELAIN TILE COMPANY, Chicago, Ill. Republished by Clyde Porcelain Steel Corporation, Clyde, Ohio, a corporation of Ohio.

Porstelain

FOR TILES AND FOUNDATION SHEETS PREPARED FOR THE CEMENTING OF TILES THERETO.
Claims use since Jan. 31, 1928.

Reg. No. 273,617. Registered Sept. 23, 1930. THE NATIONAL LIME & STONE COMPANY, Findlay, Ohio, a corporation of Ohio. Republished by registrant.

MONARCH

FOR FINISHING LIME, POWDERED LIME, MASON'S LIME, LUMP LIME, AND BRICK MORTAR.
Claims use since about March 1904.

Reg. No. 275,618. Registered Sept. 23, 1930. THE NATIONAL LIME & STONE COMPANY, Findlay, Ohio, a corporation of Ohio. Republished by registrant.



FOR FINISHING LIME, POWDERED LIME, MASON'S LIME, LUMP LIME, AND BRICK MORTAR.
Claims use since about March 1904.

Reg. No. 283,220. Registered May 19, 1931. PORCELAIN TILE COMPANY, Chicago, Ill. Republished by Clyde Porcelain Steel Corporation, Clyde, Ohio, a corporation of Ohio.



Porstelain

FOR WALL AND FLOOR TILES AND FOUNDATION SHEETS FOR TILES.
Claims use since Feb. 26, 1930.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 178,179. Registered Jan. 8, 1924. HOWE CHAIN COMPANY, Muskegon, Mich. Republished by Link-Belt Company, Chicago, Ill., a corporation of Illinois.

XS

FOR DRIVE CHAINS.
Claims use since on or about Oct. 1, 1921.

Reg. No. 220,199. Registered Nov. 2, 1926. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

H

FOR CHAINS.
Claims use since about Jan. 1, 1908.

Reg. No. 220,207. Registered Nov. 2, 1926. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MR

FOR CHAINS.
Claims use since about Jan. 1, 1910.

Reg. No. 379,005. Registered June 25, 1940. THE DENISON COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DENCO

FOR NAILS.
Claims use since June 15, 1939.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 108,579. Registered Feb. 15, 1916. SYRACUSE SMELTING WORKS, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

MANGANESE

FOR BABBITT METAL.
Claims use since Jan. 2, 1895.

Reg. No. 113,312. Registered Oct. 10, 1916. SYRACUSE SMELTING WORKS, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

MASTER

FOR BABBITT METAL.
Claims use since Apr. 10, 1916.

Reg. No. 124,064. Registered Dec. 31, 1918. SYRACUSE SMELTING WORKS, Brooklyn, N. Y., a corporation of New York. Republished by registrant.



FOR BABBITT METAL.
Claims use since 1897.

Reg. No. 139,906. Registered Feb. 22, 1921. UNITED AMERICAN METALS CORPORATION, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

STONEWALL

FOR NON-FERROUS ALLOYS.
Claims use since June 1, 1919.

CLASS 15

OILS AND GREASES

Reg. No. 306,514. Registered Sept. 19, 1933. HOUDE ENGINEERING CORPORATION, Buffalo, N. Y. Republished by Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan.

HOO DYE

FOR SHOCK ABSORBER FLUID WITH A PETROLEUM BASE.
Claims use since Jan. 1, 1928.

Reg. No. 306,515. Registered Sept. 19, 1933. HOUDE ENGINEERING CORPORATION, Buffalo, N. Y. Republished by Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan.

HOUDAILLE

FOR SHOCK ABSORBER FLUID WITH A PETROLEUM BASE.
Claims use since Jan. 1, 1928.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 71,334. Registered Nov. 17, 1908. ERNECKE AND SALMSTEIN, Chicago, Ill. Republished by Ernecke & Salmstein Co., Chicago, Ill., a corporation of Illinois.



FOR ENAMEL-PAINT.
Claims use since Nov. 5, 1907.

Reg. No. 135,778. Registered Oct. 19, 1920. THE PRUETT-SCHAFFER CHEMICAL COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

Kealin

FOR READY-MIXED PAINTS, DRY COLORS, ASPHALT PAINT, PAINT-OIL, PAINT REDUCING OILS, DRIERS, VARNISHES, AND JAPANS.
Claims use since 1911.

Reg. No. 230,115. Registered Feb. 21, 1928. YANKEE POLISH CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR POLISHES AND DRESSINGS FOR CLEANING AND POLISHING PAINTED AND VARNISHED SURFACES OF AUTOMOBILES, FLOORS, AND FURNITURE.
Claims use since Jan. 2, 1915.

Reg. No. 300,927. Registered Feb. 14, 1933. CHILTON PAINT COMPANY, College Point, N. Y., a corporation of Maine. Republished by registrant.

CHILTON

FOR READY-MIXED, LIQUID, SEMI-PASTE, AND PASTE PAINTS; PAINT ENAMELS; VARNISHES; LACQUERS; JAPANS; STAINS; COLORS IN JAPAN; COLORS IN OIL; PREPARED SHELLAC; PREPARED SHELLAC SUBSTITUTE; WHITE ZINC; WAX FOR POLISHING PURPOSES; AND FILLERS.
Claims use since 1884.

Reg. No. 422,748. Registered Aug. 13, 1946. HALL HARDWARE COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

PLASTI-SPAR

The term "Spar" is disclaimed apart from the mark as shown.
FOR VARNISH.
Claims use since Dec. 12, 1944.

Reg. No. 425,247. Registered Nov. 12, 1946. BETTER FINISHES AND COATINGS, INC., Newark, N. J., a corporation of New Jersey. Republished by registrant.

BFC

FOR COATING MATERIALS—NAMELY, READY MIXED PAINTS, VARNISHES, PAINT ENAMELS, AND PLASTIC PAINTS.
Claims use since May 1, 1940.

Reg. No. 425,521. Registered Nov. 26, 1946. BETTER FINISHES AND COATINGS, INC., Newark, N. J., a corporation of New Jersey. Republished by registrant.

LIQUID ENVELOPE

The word "Liquid" is disclaimed apart from the mark as shown.
FOR RESINOUS COATING COMPOSITIONS FOR APPLICATION AS PROTECTIVE COATING MEDIA FOR GOODS TO BE PLACED IN STORAGE, IN TRANSIT OR IN USE ALSO AS PROTECTIVE MEDIA IN PACKAGING OF GOODS TO BE PLACED IN STORAGE OR IN TRANSIT.
Claims use since Jan. 7, 1944.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 251,404. Registered Jan. 8, 1929. JOHN SINCLAIR LIMITED, Newcastle-on-Tyne, England, a corporation of Great Britain. Republished by registrant.

JOLLY BOAT

FOR SMOKING TOBACCO, CIGARETTES, AND CIGARS.
Claims use since July 15, 1895.

Reg. No. 427,153. Registered Jan. 28, 1947. JOHN SINCLAIR LIMITED, Newcastle-on-Tyne, England, a corporation of Great Britain. Republished by registrant.

PUNCHBOWLE

FOR SMOKING TOBACCO AND CIGARETTES.
Claims use since Feb. 15, 1909.

Reg. No. 431,415. Registered July 22, 1947. JOHN SINCLAIR LIMITED, Newcastle-on-Tyne, England, a corporation of Great Britain. Republished by registrant.

PARSON'S PLEASURE

FOR SMOKING TOBACCO AND CIGARETTES.
Claims use since May 31, 1905.

Reg. No. 432,230. Registered Aug. 26, 1947. JOHN SINCLAIR LIMITED, Newcastle-on-Tyne, England, a corporation of Great Britain. Republished by registrant.

BARNEYS

FOR SMOKING TOBACCO AND CIGARETTES.
Claims use since May 31, 1905.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 300,644. Registered Jan. 31, 1933. THE GAMEWELL COMPANY, Newton and Newton Upper Falls, Mass., a corporation of Massachusetts. Republished by registrant.

GAMEWELL

FOR ELECTRICAL FIRE ALARM SYSTEMS, ELECTRICAL POLICE SIGNALING SYSTEMS, AND ELECTRICAL TELEPHONE SYSTEMS, AND PARTS OF SUCH SYSTEMS.
Claims use since prior to the year 1881.

Reg. No. 342,027. Registered Dec. 29, 1936. EAGLE ELECTRIC MFG. CO., INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address, Long Island City, N. Y.



FOR ELECTRIC ATTACHMENT PLUGS.
Claims use since about December 1934.

Reg. No. 426,624. Registered Jan. 7, 1947. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

LINK-BELT
Electrofluid

The terms "Electrofluid" and "The Symbol of Quality" are disclaimed apart from the mark as shown.
FOR COMBINED ELECTRIC MOTOR AND HYDRAULIC COUPLING DRIVES FOR MECHANICAL DEVICES.
Claims use since June 21, 1945.

Reg. No. 439,156. Registered June 3, 1948. DONALD E. CAMPBELL, doing business as The Ace Company, Ocala, Fla. Republished by registrant.

ACE

FOR PORTABLE HAND-MANIPULATED ELECTRIC BLOWER FOR BLOWING DIRT AND OTHER PARTICLES FROM INDUSTRIAL MACHINERY OPERATING IN FACTORIES.
Claims use since May 8, 1945.

Reg. No. 439,814. Registered July 27, 1948. SUN VACUUM STORES, Los Angeles, Calif., a firm. Republished by registrant.

AIR-CHIEF

FOR ELECTRIC VACUUM CLEANERS.
Claims use since April 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 187,770. Registered Aug. 12, 1924. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill., a corporation of Delaware. Republished by registrant, present address Chicago, Ill.

Manhattan Club

FOR BILLIARD CHALK.
Claims use since Sept. 1, 1905.

Reg. No. 281,183. Registered Mar. 10, 1931. JOHNSON SUTURE CORPORATION, Chicago, Ill. Republished by Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey.



The trade-mark comprises a spiral green strand or stripe unaccompanied by any color other than that of the natural (yellowish) gut color and extending lengthwise of the string. The representation of the string is disclaimed apart from the mark as shown.
FOR GUT STRINGS FOR RACKETS.
Claims use since July 24, 1929.

Reg. No. 282,429. Registered Apr. 21, 1931. JOHNSON SUTURE CORPORATION, Chicago, Ill. Republished by Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey.

4 BAR

FOR GUT STRINGS FOR RACKETS.
Claims use since Nov. 26, 1930.

Reg. No. 295,617. Registered July 5, 1932. JOHNSON SUTURE CORPORATION, Chicago, Ill. Republished by Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey.

FOR GUT STRINGS FOR RACKETS.
Claims use since Nov. 26, 1930.

Reg. No. 340,345. Registered Nov. 3, 1936. JOHNSON SUTTER CORPORATION, Chicago, Ill. Republished by Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey.



The drawing is lined for green.
FOR RACKET STRINGS.
Claims use since Mar. 31, 1931.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 42,225. Registered Mar. 8, 1904. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., a corporation of Illinois. Republished by registrant.

BOSS

FOR HUSKING DEVICES AND IMPLEMENTS.
Claims use since on or about Oct. 1, 1888.

Reg. No. 90,838. Registered Mar. 25, 1913. RED JACKET MANUFACTURING CO., Davenport, Iowa, a corporation of Iowa. Republished by registrant.

RED JACKET

FOR WELL-PUMPS, WELL-PUMP PIPES, WELL-PUMP-PIPE COUPLINGS, AND CYLINDERS FOR WELL-PUMPS.
Claims use since January 1881.

Reg. No. 94,664. Registered Dec. 23, 1913. PENNSYLVANIA FLEXIBLE METALLIC TUBING CO., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

PENFLEX

FOR BARREL FILLERS.
Claims use since May 1, 1911.

Reg. No. 113,986. Registered Nov. 14, 1916. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., a corporation of Illinois. Republished by registrant.

BOSS

FOR CORN HUSKING IMPLEMENTS.
Claims use since 1901.

Reg. No. 204,153. Registered Oct. 6, 1925. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

➢DOUBLE DUTY➣

FOR SPROCKET WHEELS.
Claims use since about Mar. 1, 1925.

Reg. No. 280,761. Registered Feb. 24, 1931. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DS

FOR TAKE-UPS, SCREW TAKE-UPS, AND PARTS THEREOF FOR USE IN CONNECTION WITH TAKING THE SLACK OUT OF AND TENSIONING CHAINS AND BELTS USED IN CONNECTION WITH ELEVATORS AND CONVEYORS OF THE CHAIN AND BELT TYPE AND FOR TAKING UP SLACK IN ANY BELT OR CONVEYOR AND IS MOVED LATERALLY BY THE TAKE-UP MECHANISM FOR TAKING UP SLACK.
Claims use since about January 1927.

Reg. No. 352,214. Registered Nov. 23, 1937. KING PLOW COMPANY, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

"GEORGIA CRACKER"

FOR FERTILIZER-DISTRIBUTORS, STALK CUTTER AND PLOWS, COTTON AND CORN PLANTERS, COTTON PLANTERS, AND PLOW STOCKS.
Claims use since July 1909.

Reg. No. 352,399. Registered Nov. 30, 1937. KING PLOW COMPANY, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

H.D. TERRELL
THICK CENTER

FOR AGRICULTURAL SCRAPES.
Claims use since July 1890.

Reg. No. 370,044. Registered AUG. 15, 1939. RED JACKET MANUFACTURING CO., Davenport, Iowa, a corporation of Iowa. Republished by registrant.



The cross-hatching indicates the color black.
FOR WATER SYSTEMS—NAMELY, SHALLOW WELL WATER SYSTEMS, PUMPING UNITS, DEEP WELL PUMPING HEADS, DEEP WELL WATER SYSTEMS, PUMPS—NAMELY, PITCHER PUMPS, SUCTION LIFT PUMPS, HAND PUMPS, WINDMILL PUMPS, FORCE PUMPS, CISTERN PUMPS, PUMP JACKS, TANK PUMPS, GEAR PUMPS, PUMP CYLINDERS, CENTRIFUGAL PUMPS, JET PUMPS, AND MECHANICALLY OPERATED BASE EXCHANGE WATER SOFTENERS, AND PARTS FOR EACH OF SAID DEVICES.
Claims use since about Sept. 1, 1937.

Reg. No. 379,364. Registered July 9, 1940. RED JACKET MANUFACTURING CO., Davenport, Iowa, a corporation of Iowa. Republished by registrant.

CENTRI-JET

The word "Jet" is disclaimed apart from the mark as shown.
FOR PUMPS—NAMELY, INJECTOR TYPE PUMPS, CENTRIFUGAL PUMPS AND TURBINE TYPE PUMPS, AND PARTS THEREOF.
Claims use since about Jan. 19, 1940.

Reg. No. 389,854. Registered Aug. 26, 1941. RED JACKET MANUFACTURING CO., Davenport, Iowa, a corporation of Iowa. Republished by registrant.



FOR WATER SYSTEMS—NAMELY, SHALLOW WELL WATER SYSTEMS, PUMPING UNITS, DEEP WELL PUMPING HEADS, DEEP WELL WATER SYSTEMS; PUMPS—NAMELY, PITCHER PUMPS, SUCTION LIFT PUMPS, HAND PUMPS, WINDMILL PUMPS, FORCE PUMPS, CISTERN PUMPS, PUMP JACKS, TANK PUMPS, GEAR PUMPS, PUMP CYLINDERS, CENTRIFUGAL PUMPS, JET PUMPS, TURBINE PUMPS; WATER WELL ACCESSORIES—NAMELY, SUCTION STRAINERS, WELL RODS, WELL ROD COUPLINGS, WELL SEALS, FOOT VALVES, AND PUMP STANDS; AND MECHANICALLY OPERATED BASE EXCHANGE WATER SOFTENERS, AND PARTS FOR EACH OF SAID DEVICES.
Claims use since about Sept. 1, 1937.

Reg. No. 412,519. Registered Mar. 13, 1945. GEO. J. MEYER MANUFACTURING CO., Cudahy, Wis., a corporation of Wisconsin. Republished by registrant.

Squ-Cro-Mix

The term "Mix" is disclaimed apart from the mark as shown.
FOR VACUUM TYPE LIQUID DEAERATOR AND BEVERAGE MIXER OF THE TYPE HAVING ROTARY METERING APPARATUS FOR COMBINING BEVERAGE FORMING LIQUIDS IN PRE-DETERMINED PROPORTIONS.
Claims use since Feb. 25, 1944.

Reg. No. 431,629. Registered July 29, 1947. NORDBERG MANUFACTURING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

CRIBEX

FOR MACHINES FOR CLEANING TRACK BALLAST, SAID MACHINE BEING MOTOR DRIVEN AND INCLUDING DIGGING CHAINS WHICH PENETRATE BETWEEN THE TIES AND REMOVE THE BALLAST.
Claims use since Mar. 8, 1946.

Reg. No. 439,372. Registered June 22, 1948. WURZBURG BROTHERS, Memphis, Tenn. Republished by Wurzburg Brothers, Incorporated, Memphis, Tenn., a corporation of Tennessee.

WURCO

FOR BALE TIE TWISTERS, TAG DISPENSERS, BALING PRESSES, BARREL CRADLES, BARREL GRABS, BARREL SLINGS, BOX OPENERS, BOX SCRAPERS, BOX SEALERS, TYING MACHINES, TAPE MACHINES—LARGE SIZE—PAPER CUTTERS, PAPER SHREDDERS, CARTON CUTTERS, CARTON SEALING MACHINES, LABELLING MACHINES, CARBOY TILTERS, DRUM ROCKERS, TACKERS, SNUB LIFTS, MOP WRINGERS, NAIL PULLERS, PACKING NEEDLES, PRY POLES, SILICATE PUMPS, STRAPPING REELS USED AS A TOOL, STITCHING MACHINES, STAPLING MACHINES, STRAPPING TOOLS, CONVEYORS, HATCHETS, HAMMERS, CROWBARS, CRANES, LIFT TRUCKS, LIFT JACKS AND STACKERS, AND DRUM ROCKERS WITH WHEELS.
Claims use since Jan. 18, 1946.

Reg. No. 439,727. Registered July 13, 1948. AMERICAN CAR AND FOUNDRY COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant.

RESISTO

FOR ROLLS, CRUSHERS, PULVERIZERS, LINER PLATES AND BEARINGS USED AS PARTS OF EQUIPMENT FOR PROCESSING CEMENT AND COAL.
Claims use since Dec. 1, 1924.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 144,393. Registered July 5, 1921. FORSTNER CHAIN CORPORATION, Irvington, N. J., a corporation of New Jersey. Republished by registrant.

RADIO

FOR CHAINS FOR PERSONAL ADORNMENT WHICH ARE MADE OF OR PLATED WITH PRECIOUS METAL.
Claims use since Sept. 1, 1920.

Reg. No. 144,394. Registered July 5, 1921. FORSTNER CHAIN CORPORATION, Irvington, N. J., a corporation of New Jersey. Republished by registrant.

W ★ F

FOR CHAINS FOR PERSONAL ADORNMENT WHICH ARE MADE OF OR PLATED WITH PRECIOUS METAL.
Claims use since Sept. 1, 1920.

Reg. No. 349,267. Registered Aug. 24, 1937. FORSTNER CHAIN CORPORATION, Irvington, N. J., a corporation of New Jersey. Republished by registrant.

FORTUNE

FOR KEY CHAINS, WATCH CHAINS, TIE HOLDERS, COLLAR PINS, COLLAR HOLDERS, NECKLACES, BRACELETS; AND CUFF BUTTONS, AND SHIRT STUDS MADE OF OR PLATED WITH PRECIOUS METAL, AND WRIST WATCH BRACELETS.
Claims use since Dec. 28, 1936.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 344,684. Registered Mar. 30, 1937. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

"GUTTER PUP
Eats Dirt

FOR MOPS FOR BOWLING ALLEYS.
Claims use since Aug. 15, 1936.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 346,130. Registered May 18, 1937. SHERER-GILLETT COMPANY, Marshall, Mich., a corporation of Illinois. Republished by registrant.

RETARDO

FOR BAKERS' REFRIGERATORS.
Claims use since Aug. 19, 1936.

Reg. No. 364,102. Registered Jan. 17, 1939. SHERER-GILLETT COMPANY, Marshall, Mich., a corporation of Illinois. Republished by registrant.

VEGETAIRE

FOR REFRIGERATED DISPLAY CASES AND PRODUCE CASES EMPLOYED IN DISPLAYING FRUIT, VEGETABLES AND OTHER PERISHABLE PRODUCTS, AND DISPLAY EQUIPMENT FOR FOOD STORES AND THE LIKE.
Claims use since May 13, 1937.

Reg. No. 370,044. Registered Aug. 15, 1939. RED JACKET MANUFACTURING CO., Davenport, Iowa, a corporation of Iowa. Republished by registrant.



FOR WATER SYSTEMS—NAMELY, SHALLOW WELL WATER SYSTEMS, PUMPING UNITS, DEEP WELL PUMPING HEADS, DEEP WELL WATER SYSTEMS, PUMPS—NAMELY, PITCHER PUMPS, SUCTION LIFT PUMPS, HAND PUMPS, WINDMILL PUMPS, FORCE PUMPS, CISTERN PUMPS, PUMP JACKS, TANK PUMPS, GEAR PUMPS, PUMP CYLINDERS, CENTRIFUGAL PUMPS, JET PUMPS, AND MECHANICALLY OPERATED BASE EXCHANGE WATER SOFTENERS, AND PARTS FOR EACH OF SAID DEVICES.
Claims use since about Sept. 1, 1937.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 329,588. Registered Nov. 5, 1935. JAMESTOWN-ROYAL UPHOLSTERY CORP., Jamestown, N. Y., a corporation of New York. Republished by registrant.

PAJAMA FURNITURE

The word "Furniture" is disclaimed apart from the mark as shown.
FOR UPHOLSTERED FURNITURE—NAMELY, CHAIRS, DAVENPORTS, COUCHES, BENCHES, AND STOOLS.
Claims use since Feb. 11, 1935.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 434,275. Registered Nov. 18, 1947. HOLYOKE BELTING COMPANY, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

PEQUOIT

FOR LEATHER BELTING FOR POWER TRANSMISSION ELEVATING AND CONVEYING PURPOSES.
Claims use since Feb. 1, 1904.

Reg. No. 438,945. Registered May 18, 1948. ANTAEUS INDUSTRIES, LIMITED, San Francisco, Calif., a corporation of California. Republished by registrant.

CAM-SEAL

The word "Seal" is disclaimed apart from the mark as shown.
FOR PISTON RINGS.
Claims use since Aug. 23, 1945.

CLASS 37

PAPER AND STATIONERY

Reg. No. 201,337. Registered July 21, 1925. SOUTHWEST TABLET MANUFACTURING COMPANY, Dallas, Tex. Republished by Southwest Tablet Manufacturing Company, Dallas, Tex., a partnership.



FOR PAPETERIES, WRITING PAPER, CORRESPONDENCE PAPER, WRITING TABLETS, MAILING ENVELOPES, TYPEWRITING PAPER, AND AUCTION BRIDGE SCORE PADS.
Claims use since Feb. 27, 1905.

Reg. No. 262,534. Registered Oct. 16, 1929. A. KICKHUSCH GROCERY COMPANY, Wausau, Wis., a corporation of Wisconsin. Republished by registrant.

VANITY

FOR TOILET PAPER AND WRITING TABLETS.
Claims use since January 1918.

Reg. No. 316,936. Registered Sept. 11, 1934. EMPIRE BOX CORPORATION OF DELAWARE, New Brunswick, N. J. Republished by Empire Box Corporation, Garfield, N. J., a corporation of Delaware.

Britecote

FOR BOXBOARD.
Claims use since May 10, 1934.

Reg. No. 326,097. Registered July 16, 1935. TISSUE BRANDS, INC., New York, N. Y. Republished by Sitroux, Inc., New York, N. Y., a corporation of New York.



FOR FACIAL TISSUES AND PAPER MAKE-UP CAPES.
Claims use since Sept. 1, 1934.

Reg. No. 421,155. Registered May 21, 1946. SITROUX, INC., New York, N. Y., a corporation of New York. Republished by registrant.

WHITE BOW

The word "White" is disclaimed apart from the mark as shown.
FOR FACIAL TISSUES.
Claims use since June 1, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 227,871. Registered May 17, 1927. THE TIMES PUBLISHING COMPANY, INC., St. Cloud, Minn., a corporation of Minnesota. Republished by registrant.

The St. [redacted] Daily Times

FOR DAILY NEWSPAPER.
Claims use since Apr. 9, 1864.

CLASS 39
CLOTHING

Reg. No. 42,199. Registered Mar. 8, 1904. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., a corporation of Illinois. Republished by registrant.

BOSS

FOR GLOVES AND MITTENS.
Claims use since on or about Jan. 1, 1895.

Reg. No. 87,151. Registered July 2, 1912. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., a corporation of Illinois. Republished by registrant.

The Boss

FOR GLOVES AND MITTENS.
Claims use since on or about Jan. 1, 1894.

Reg. No. 104,221. Registered May 11, 1915. KNOX HAT COMPANY, INC., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.



FOR HATS AND CAPS.
Claims use since Dec. 24, 1914.

Reg. No. 114,219. Registered Dec. 6, 1916. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., a corporation of Illinois. Republished by registrant.

BOSS

FOR GLOVES AND MITTENS.
Claims use since 1901.

Reg. No. 147,373. Registered Oct. 11, 1921. THE MUNSINGWEAR CORPORATION, Minneapolis, Minn. Republished by Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware.

MUNSING WEAR

The word "Wear" is disclaimed apart from the mark as shown.
FOR HOSIERY AND UNDERWEAR, SUCH UNDERWEAR BEING OF KNITTED AND TEXTILE FABRIC, IN ONE, TWO AND THREE PIECE GARMENTS, AND FOR MEN, WOMEN, AND CHILDREN.
Claims use since on or about July 1, 1919.

Reg. No. 170,820. Registered July 24, 1923. KNOX HAT COMPANY, INC., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

Vagabond

FOR HATS FOR MEN, WOMEN, AND CHILDREN.
Claims use since about 1912.

Reg. No. 176,834. Registered Dec. 4, 1923. DUNLAP & CO., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

WANDERER

FOR HATS FOR MEN, WOMEN, AND CHILDREN.
Claims use since March 1922.

Reg. No. 180,056. Registered Feb. 19, 1924. DUNLAP & Co., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

Metropolitan

FOR STRAW HATS AND FELT HATS WORN BY MEN, WOMEN, AND CHILDREN.
Claims use since October 1921.

Reg. No. 189,372. Registered Sept. 16, 1924. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y., a corporation of Illinois. Repoblished by registrant, present address Kewanee, Ill.



The drawing is lined for red.
FOR FABRIC AND LEATHER WORKING GLOVES AND MITTENS AND FABRIC WORKING GLOVES AND MITTENS.
Claims use since May 5, 1922.

Reg. No. 194,413. Registered Jan. 27, 1925. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y., a corporation of Illinois. Republished by registrant, present address Kewanee, Ill.



FOR GLOVES AND MITTENS OF LEATHER, FABRIC, AND A COMBINATION OF LEATHER AND FABRIC.
Claims use since Jan. 22, 1924.

Reg. No. 210,819. Registered Mar. 23, 1926. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y., a corporation of Illinois. Republished by registrant, present address Kewanee, Ill.

BOSS

FOR GLOVES AND MITTENS OF LEATHER, FABRIC, AND A COMBINATION OF LEATHER AND FABRIC.
Claims use since November 1920.

Reg. No. 234,609. Registered Nov. 1, 1927. THE CROFUT & KNAPP CO., South Norwalk, Conn. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

CROSS COUNTRY

FOR HATS FOR MEN AND WOMEN.
Claims use since about 1920.

Reg. No. 240,479. Registered Mar. 27, 1928. H. J. HOLMAN & SONS INC., Sheboygan, Wis. Republished by Lakeland Mfg. Co., Sheboygan, Wis., a corporation of Wisconsin.



FOR MEN'S AND BOYS' COTTON, SILK, WOOL, AND FLANNEL NEGLIGEE, WORK, AND DRESS SHIRTS; MEN'S AND BOYS' OVERALLS, COATS, COVERALLS, ONE-PIECE PLAY SUITS, MACKINAWS, SPORT JACKETS, HOSIERY, TEXTILE UNDERWEAR, GLOVES, MITTENS OF CLOTH, LEATHER, AND LEATHER SUBSTITUTES.
Claims use since March 1925.

Reg. No. 246,280. Registered Sept. 4, 1928. KNOX HAT COMPANY, INC., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.



FOR HATS AND CAPS FOR MEN.
Claims use since 1900.

Reg. No. 248,090. Registered Oct. 16, 1928. CARTER DRY GOODS CO., Louisville, Ky., a corporation of Kentucky. Republished by registrant.

CIRCLE-C

FOR HOSIERY.
Claims use since Mar. 16, 1928.

Reg. No. 248,637. Registered Oct. 23, 1928. WAYNE KNITTING MILLS, Fort Wayne, Ind., a corporation of Indiana. Republished by registrant.

SLENDERETTE

FOR HOSIERY.
Claims use since May 1, 1927.

Reg. No. 250,317. Registered Dec. 4, 1928. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Republished by The May Department Stores Company, St. Louis, Mo., a corporation of New York.

LONSHEEN

FOR NEGLIGEE SHIRTS.
Claims use since about Mar. 1, 1924.

Reg. No. 251,817. Registered Jan. 1, 1929. CONSOLIDATED MILLINERY COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



DIANA

FOR LADIES' AND MISSES' HATS, EXCLUDING FUR CAPS AND HATS.
Claims use since June 15, 1927.

Reg. No. 287,266. Registered Sept. 15, 1931. THE CROUT & KNAPP CO., South Norwalk, Conn. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

Chalfont

FOR HEADWARE—NAMELY, CAPS AND HATS FOR MEN AND WOMEN.
Claims use since about 1905.

Reg. No. 294,496. Registered May 31, 1932. HODGMON-BUNO, INCORPORATED, Norwalk, Conn., and New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.



FOR HATS FOR MEN AND WOMEN.
Claims use since about Sept. 1, 1931.

Reg. No. 296,165. Registered July 26, 1932. THE MUNSINGWEAR CORPORATION, Minneapolis, Minn. Republished by Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware.

"Ponies"

FOR WOMEN'S AND MISSES' UNDERWEAR.
Claims use since on or about Feb. 2, 1932.

Reg. No. 303,765. Registered June 6, 1933. ARKWRIGHT MERCHANDISING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

JR. TOWN

FOR COATS, SUITS, PANTS, SWEATERS, HATS, CAPS, DRESS, WORK, AND UNDERSHIRTS; DRAWERS; SHOES MADE OF LEATHER, FABRIC RUBBER, AND COMBINATIONS THEREOF, UNION SUITS AND NECKTIES, ALL FOR MEN AND BOYS, AND HOSIERY FOR MEN AND WOMEN.
Claims use since Jan. 30, 1930.

Reg. No. 305,702. Registered Aug. 22, 1933. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

SWEEPSTAKES

FOR HATS FOR MEN AND WOMEN.
Claims use since Feb. 16, 1933.

Reg. No. 308,733. Registered Dec. 19, 1933. GREGORY & READ COMPANY, Lynn, Mass., a corporation of Massachusetts. Republished by registrant.

GRECO

FOR WOMEN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER OR FABRICS.
Claims use since July 16, 1933.

Reg. No. 318,089. Registered Oct. 16, 1934. HAT CORPORATION OF AMERICA, South Norwalk, Conn., a corporation of Delaware. Republished by registrant, present address Norwalk, Conn.



FOR HATS FOR MEN AND WOMEN.
Claims use since Apr. 12, 1934.

Reg. No. 324,141. Registered May 14, 1935. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

Vagabond

FOR WEARING APPAREL—NAMELY, HATS FOR MEN, WOMEN, AND CHILDREN, AND COATS FOR MEN AND WOMEN.
Claims use since about 1912.

Reg. No. 324,229. Registered May 14, 1935. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

Balstraw

FOR HATS FOR MEN AND WOMEN.
Claims use since Nov. 30, 1934.

Reg. No. 324,330. Registered May 14, 1935. SHERWOOD SHOE COMPANY, Rochester, N. Y. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

PEDOFLEX

FOR WOMEN'S SHOES MADE OF LEATHER, RUBBER, OR FABRIC OR ANY COMBINATION THEREOF.
Claims use since Jan. 19, 1926.

Reg. No. 328,730. Registered Oct. 1, 1935. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

Royal Sportsman

FOR FELT HATS FOR MEN.
Claims use since Feb. 26, 1934.

Reg. No. 336,542. Registered July 7, 1936. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

COUNTRY COMFORT

FOR HATS FOR MEN AND WOMEN.
Claims use since Feb. 7, 1936.

Reg. No. 342,551. Registered Jan. 19, 1937. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

ROAMER

FOR FELT AND FABRIC HATS FOR MEN AND WOMEN.
Claims use since about 1930.

Reg. No. 351,978. Registered Nov. 16, 1937. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

Vagabond

FOR WEARING APPAREL FOR MEN, WOMEN AND CHILDREN—NAMELY, HATS, COATS, RAINCOATS, SUITS, DRESSES, LEATHER AND FABRIC GLOVES, LEATHER SLIPPERS, SCARFS, MUFFLERS, NECKTIES, AND SWEATERS.
Claims use since about 1912.

Reg. No. 355,220. Registered Mar. 8, 1938. MUNSINGWEAR, INC., Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

Foundette

FOR GIRDLES, FOUNDATION GARMENTS, BANDEAUX, AND BRASSIÈRES.
Claims use since June 22, 1932.

Reg. No. 355,402. Registered Mar. 15, 1938. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.



FOR HATS FOR MEN AND WOMEN.
Claims use since Oct. 8, 1937.

Reg. No. 357,615. Registered June 7, 1938. CONTOUR HOSIERY MILLS, Rockford, Ill., a corporation of Illinois. Republished by registrant.

CONTOUR

FOR HOSIERY.
Claims use since about June 1, 1931.

Reg. No. 367,212. Registered May 9, 1939. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

PAN-AIRE

FOR HATS FOR MEN.
Claims use since Nov. 23, 1938.

Reg. No. 370,883. Registered Sept. 12, 1939. HANES ASSOCIATED MILLS, INC., New York, N. Y. Republished by F. W. Woolworth Co., New York, N. Y., a corporation of New York.

STROLLER

FOR WOMEN'S HOSIERY.
Claims use since about Dec. 14, 1937.

Reg. No. 371,998. Registered Oct. 17, 1939. LIPMAN BROS., New York, N. Y. Republished by Lipman Bros. Dress Co. Inc., New York, N. Y., a corporation of New York.

FOUR 4 WAY

FOR LADIES' DRESSES AND SUITS.
Claims use since May 1936.

Reg. No. 377,217. Registered Apr. 23, 1940. MUNSINGWEAR, INC., Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

BREEX

FOR MEN'S UNDERWEAR.
Claims use since Nov. 27, 1939.

Reg. No. 385,636. Registered Mar. 11, 1941. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

GAY BLADE

FOR HATS FOR MEN AND WOMEN.
Claims use since Oct. 2, 1940.

Reg. No. 393,635. Registered Feb. 24, 1942. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

Jolly Rounder

FOR HATS FOR MEN AND WOMEN.
Claims use since about December 1940.

Reg. No. 412,772. Registered Mar. 27, 1945. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

Vagabond

FOR WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, HATS, COATS, RAINCOATS, OVERCOATS, SUITS, SLACKS, DRESSES, LEATHER AND FABRIC GLOVES, LEATHER SLIPPERS, LEATHER SHOES, SCARFS, MUFFLERS, NECKTIES, AND SWEATERS.
Claims use since about 1912.

Reg. No. 418,553. Registered Jan. 1, 1946. MUNSINGWEAR, INC., Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

SKIT

FOR MEN'S AND BOYS' UNDERWEAR AND OUTER SHIRTS.
Claims use since Oct. 1, 1935.

Reg. No. 430,648. Registered June 17, 1947. MUNSINGWEAR, INC., Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

Balbeauties

FOR WOMEN'S PAJAMAS.
Claims use since July 29, 1946.

Reg. No. 431,480. Registered July 22, 1947. MUNSINGWEAR, INC., Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

Sugar-Stripe

The word "Stripe" is disclaimed apart from the mark as shown.
FOR WOMEN'S NIGHTGOWNS.
Claims use since July 29, 1946.

Reg. No. 431,481. Registered July 22, 1947. MUNSINGWEAR, INC., Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

Sugar-Check

The word "Check" is disclaimed apart from the mark as shown.
FOR WOMEN'S NIGHTGOWNS.
Claims use since July 29, 1946.

Reg. No. 433,438. Registered Oct. 14, 1947. MUNSINGWEAR, INC., Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

BABY DOLL

FOR WOMEN'S AND GIRLS' PANTIES.
Claims use since May 13, 1946.

Reg. No. 437,204. Registered Mar. 9, 1948. MUNSINGWEAR, INC., Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

Sugar-Diamond

FOR WOMEN'S SLEEPING GOWNS AND SLEEPING PAJAMAS.
Claims use since Feb. 4, 1947.

Reg. No. 438,476. Registered Apr. 20, 1948. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

Panaire

FOR HATS FOR MEN AND HATS FOR WOMEN.
Claims use since 1938.

Reg. No. 439,750. Registered July 20, 1948. DAVIS & CATTERALL, New York, N. Y., and Passaic, N. J., a corporation of New Jersey. Republished by registrant, present address New York, N. Y.

Whimsy

FOR LADIES' SCARVES AND HANDKERCHIEFS.
Claims use since June 13, 1946.

Reg. No. 440,131. Registered Aug. 10, 1948. H. A. JAMES, New York, N. Y. Republished by registrant.

TEXITE

FOR MEN'S AND BOYS' KNIT POLO SHIRTS, KNIT PAJAMAS, KNIT T-SHIRTS, KNIT ATHLETIC SHIRTS, AND KNIT "JOCKEY" SHORTS.
Claims use since Jan. 13, 1947.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 201,417. Registered July 28, 1925. MARSHALL FIELD & COMPANY, Chicago, Ill. Republished by McCoy, Jones & Company, Inc., Chicago, Ill., a corporation of Illinois.

TRUEWORTH

FOR COMMON PINS, SHOE LACES, CROCHET HOOKS, TWILLED TAPE, HOOKS AND EYES, CELLULOID HAIRPINS, BELTING, SAFETY PINS, ELASTIC SNAP FASTENERS, BIAS TAPE, SHOULDER TAPE, COMBS, AND WIRE HAIRPINS.
Claims use since Sept. 25, 1923.

Reg. No. 245,919. Registered Aug. 28, 1928. R. H. COMEY COMPANIES CONSOLIDATED, Brooklyn, N. Y. Republished by R. H. Comey Company, Inc., Brooklyn, N. Y., a corporation of New York.

CLEARTONE

FOR DYED AND BLEACHED BRAIDS USED IN THE MANUFACTURE OF HATS COMPOSED PRINCIPALLY OF STRAW, CHIP, HEMP, VISCA, HAIR BRAID, PYROXYLINE, PEDALINE, AND ALL VEGETABLE FIBRE BRAIDS.
Claims use since Nov. 7, 1924.

Reg. No. 245,995. Registered Aug. 28, 1928. R. H. COMEY COMPANIES CONSOLIDATED, Brooklyn, N. Y. Republished by R. H. Comey Company, Inc., Brooklyn, N. Y., a corporation of New York.

SUPERCREAM

FOR STRAW BRAID FOR USE IN MEN'S HATS.
Claims use since Dec. 6, 1927.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 139,337. Registered Feb. 1, 1921. H. KOHNSTAMM & CO., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

Atlascloth

The word "Cloth" is disclaimed apart from the mark as shown.
FOR CLOTH COVERING FOR LAUNDERS' MACHINERY SOLD IN THE PIECE.
Claims use since about Mar. 1, 1910.

Reg. No. 171,452. Registered Aug. 7, 1923. CARTER DRY GOODS CO., Louisville, Ky., a corporation of Kentucky. Republished by registrant.

PICKANINNY

FOR PERCALES IN THE PIECE.
Claims use since Jan. 1, 1907.

Reg. No. 204,531. Registered Oct. 20, 1925. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill., a corporation of Delaware. Republished by registrant, present address Chicago, Ill.

Brunswick

FOR BILLIARD CLOTH.
Claims use since Oct. 8, 1914.

Reg. No. 212,477. Registered May 4, 1926. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

CHAMPION EXCELLO

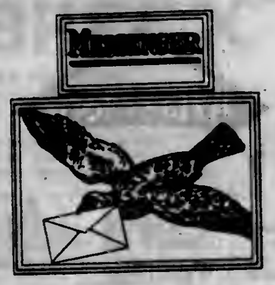
FOR BILLIARD CLOTH.
Claims use since Mar. 1, 1925.

Reg. No. 220,816. Registered Nov. 16, 1926. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill., a corporation of Delaware. Republished by registrant, present address Chicago, Ill.

DURO

FOR BILLIARD CLOTH.
Claims use since Mar. 1, 1925.

Reg. No. 242,786. Registered June 5, 1928. CARTER DRY GOODS COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.



FOR COTTON PIECE GOODS, AND MUSLINS IN THE PIECE.
Claims use since Jan. 6, 1926.

Reg. No. 244,414. Registered July 17, 1928. CARTER DRY GOODS CO., Louisville, Ky., a corporation of Kentucky. Republished by registrant.

DIX RIVER

FOR COTTON PIECE GOODS.
Claims use since June 25, 1927.

Reg. No. 248,994. Registered Nov. 6, 1928. CARTER DRY GOODS COMPANY, INC., Louisville, Ky., a corporation of Kentucky. Republished by registrant.

STAG

FOR TOBACCO CANVAS—NAMELY, AN UNMEDICATED COTTON GAUZE IN THE PIECE.
Claims use since Jan. 1, 1895.

Reg. No. 251,324. Registered Jan. 1, 1929. CARTER DRY GOODS CO., Louisville, Ky., a corporation of Kentucky. Republished by registrant.

Staywarm

FOR TEXTILE BLANKETS.
Claims use since Sept. 1, 1925.

Reg. No. 389,502. Registered Aug. 5, 1941. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

Duraweave

FOR BILLIARD TABLE CLOTH.
Claims use since Feb. 28, 1941.

Reg. No. 406,445. Registered Apr. 4, 1944. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

DURABEAU

FOR BILLIARD CLOTH.
Claims use since Jan. 21, 1943.

Reg. No. 437,335. Registered Mar. 16, 1948. H. KOHNSTAMM & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

THERMOTEX

FOR HEAT RESISTANT COVER CLOTH USED ON PRESSING AND IRONING MACHINES AND SOLD AS PIECE GOODS.
Claims use since Nov. 4, 1946.

CLASS 43

THREAD AND YARN

Reg. No. 106,923. Registered Nov. 9, 1915. R. F. & J. ALEXANDER & COMPANY LIMITED, Neilston, Scotland, a corporation of Great Britain and Northern Ireland. Republished by registrant.



FOR SEWING COTTON.
Claims use since Mar. 6, 1869.

Reg. No. 301,070. Registered Feb. 14, 1933. R. F. & J. ALEXANDER & COMPANY LIMITED, Neilston, Scotland, a corporation of Great Britain and Northern Ireland. Republished by registrant.

20
Alexanders'
GLASGOW

FOR SEWING COTTON THREADS IN BALLS.
Claims use since 1836.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 49,280. Registered Jan. 30, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

ZONAS

FOR PLASTERS.
Claims use since 1894.

Reg. No. 49,282. Registered Jan. 30, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

LINTON

FOR SURGICAL DRESSINGS.
Claims use since 1886.

Reg. No. 52,956. Registered May 22, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

LINTINE

FOR FELTED ABSORBENT COTTON.
Claims use since 1891.

Reg. No. 54,285. Registered June 26, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

LONG LIFE

FOR SUSPENSORY BANDAGES.
Claims use since in or prior to the month of March 1895.

Reg. No. 56,262. Registered Sept. 4, 1906. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

BELLEVIEW

FOR SURGICAL DRESSINGS.
Claims use since 1897.

Reg. No. 56,523. Registered Oct. 2, 1906. J. ELLWOOD LEE COMPANY, Conshohocken, Pa. Republished by Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey.

LEE'S

FOR MEDICINAL AND ADHESIVE PLASTERS.
Claims use since prior to 1889.

Reg. No. 60,328. Registered Feb. 5, 1907. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

DIAMOND J.

J

FOR SUSPENSORY BANDAGES.
Claims use since 1894.

Reg. No. 70,693. Registered Sept. 22, 1908. LISTER SURGICAL COMPANY, New Brunswick, N. J. Republished by Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey.

The cross is colored green.
FOR ABSORBENT COTTON, PLAIN AND MEDICATED; GAUZE, PLAIN AND MEDICATED.
Claims use since September 1907.

Reg. No. 92,678. Registered July 22, 1913. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

JOHNSON'S

FOR SURGICAL DRESSINGS OF GAUZE AND COTTON AND WOOL, ADHESIVE PLASTERS, SPUTUM-CUPS, RUBBER PROTECTIVES, AND FIRST-AID OR EMERGENCY CASES.
Claims use since 1887.

Reg. No. 96,080. Registered Apr. 28, 1914. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.



FOR SURGICAL DRESSINGS OF GAUZE AND COTTON AND WOOL, AND FIRST-AID OR EMERGENCY CASES.
Claims use since June 20, 1913.

Reg. No. 98,057. Registered June 30, 1914. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

Johnson's

FOR FIRST-AID CASES.
Claims use since 1887.

Reg. No. 188,120. Registered Aug. 19, 1924. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

NUPAK

FOR SANITARY NAPKINS.
Claims use since Mar. 11, 1924.

Reg. No. 198,666. Registered Mar. 24, 1925. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

ORTHOPLAST

FOR BANDAGES FOR ORTHOPEDIC USE.
Claims use since September 1924.

Reg. No. 208,532. Registered Feb. 2, 1926. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

ELASTIKON

FOR ADHESIVE PLASTERS.
Claims use since August 1925.

Reg. No. 211,176. Registered Apr. 6, 1926. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

STERIPAK

FOR SURGICAL DRESSINGS.
Claims use since early in 1924.

Reg. No. 213,391. Registered May 25, 1926. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

ADAPTIC

FOR BANDAGES.
Claims use since Dec. 23, 1925.

Reg. No. 215,220. Registered July 13, 1926. CHICOPEE MANUFACTURING CORPORATION, Chicopee Falls, Mass. Republished by Personal Products Corporation, North Brunswick Township, N. J., a corporation of New Jersey.

MODESS

FOR SANITARY NAPKINS.
Claims use since December 1925.

Reg. No. 224,053. Registered Mar. 8, 1927. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

ZINO

FOR PADS AND PLASTERS FOR CORNS, BUNIONS, AND CALLOUSES.
Claims use since July 29, 1921.

Reg. No. 226,931. Registered Apr. 26, 1927. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

ZOBEC

FOR SURGICAL DRESSINGS.
Claims use since July 1, 1926.

Reg. No. 270,970. Registered May 20, 1930. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

ETHICON

FOR LIGATURES.
Claims use since Feb. 7, 1929.

Reg. No. 290,478. Registered Jan. 5, 1932. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

STERIPADS

FOR SURGICAL DRESSINGS.
Claims use since Jan. 7, 1930.

Reg. No. 306,367. Registered Sept. 19, 1933. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

SURGINE

FOR PREPARED BANDAGING MATERIAL FOR USE IN MAKING SANITARY NAPKINS, PADS, AND SURGICAL DRESSINGS.
Claims use since Mar. 17, 1933.

Reg. No. 320,112. Registered Dec. 18, 1934. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

TRI-WIDE

FOR ADHESIVE PLASTER.
Claims use since June 22, 1934.

Reg. No. 369,969. Registered Aug. 8, 1939. THE SCHOLL MFG. CO., INC., New York, N. Y., a corporation of New York. Republished by registrant, present address Chicago, Ill.

Adhestite

FOR ADHESIVE UNMEDICATED FELT CORN PADS.
Claims use since Sept. 2, 1936.

Reg. No. 380,506. Registered Aug. 20, 1940. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

STRAPTIC

FOR ADHESIVE PLASTER.
Claims use since Sept. 4, 1937.

Reg. No. 406,916. Registered May 9, 1944. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

STERI-PAD

The word "Pad" is disclaimed apart from the mark as shown.
FOR SURGICAL DRESSINGS.
Claims use since Sept. 16, 1943.

Reg. No. 407,177. Registered May 23, 1944. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

STERI-PADS

The word "Pads" is disclaimed apart from the mark as shown.
FOR SURGICAL DRESSINGS.
Claims use since Sept. 16, 1943.

Reg. No. 409,616. Registered Oct. 10, 1944. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

Atraloc

FOR LIGATURES AND SUTURES AND NEEDLES THEREFOR.
Claims use since Dec. 1, 1943.

Reg. No. 409,943. Registered Oct. 31, 1944. DERMA PRODUCTS, New York, N. Y., a firm. Republished by registrant.

MINUS

FOR ADHESIVE STRIPS USED IN REMOVING HAIR FROM THE HUMAN BODY.
Claims use since Feb. 20, 1944.

Reg. No. 417,686. Registered Nov. 13, 1945. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

V-PADS

The word "Pads" is disclaimed apart from the mark as shown.
FOR SANITARY NAPKINS.
Claims use since November 1930.

Reg. No. 428,860. Registered Apr. 8, 1947. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant, present address North Brunswick Township, N. J.

TEXCEL

FOR ADHESIVE SURGICAL TAPES.
Claims use since Mar. 3, 1939.

Reg. No. 437,676. Registered Mar. 30, 1948. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

RAY-TEC

FOR SURGICAL DRESSINGS, SURGICAL SPONGES, AND SURGICAL PACKS.
Claims use since Feb. 5, 1945.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 84,705. Registered Dec. 26, 1911. WATER DELIVERY COMPANY, Pittsburgh, Pa. Republished by Polar Water Company, Pittsburgh, Pa., a corporation of Pennsylvania.

POLAR

FOR GINGER-ALE, SARSAPARILLA, LEMON-SODA, PLAIN SODA, BIRCH-BEER, ROOT-BEER, VICHY, SELTZER, KISSINGEN, AND NATURAL AERATED WATER.
Claims use since November 1900.

Reg. No. 389,052. Registered July 22, 1941. T. W. HARDISON, doing business as Petit Jean Springs Company, Morrilton, Ark. Republished by registrant.



The words "Spring Water," "From," and "Spring No. 1" are disclaimed apart from the mark as shown.
FOR NATURAL SPRING WATER.
Claims use since Jan. 1, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 82,093. Registered May 30, 1911. H. KOHNSTAMM & CO., New York and Brooklyn, N. Y., and Pavonia and Fish House, N. J. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

Penetrone

FOR WHEAT STARCH AND CORN STARCH.
Claims use since Jan. 11, 1911.

Reg. No. 85,463. Registered Feb. 20, 1912. JOS. MIDDLEBY, JR., INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

RED PAIL

FOR PIE FILLINGS.
Claims use since about Jan. 1, 1893.

Reg. No. 88,122. Registered Aug. 27, 1912. SEACOAST CANNING CO., Eastport, Maine. Republished by R. J. Peacock Canning Co., Lubec, Maine, a corporation of Maine.

HOME-RUN



FOR SARDINES.
Claims use since October 1909.

Reg. No. 89,149. Registered Nov. 12, 1912. SEACOAST CANNING COMPANY, Eastport, Maine. Republished by R. J. Peacock Canning Co., Lubec, Maine, a corporation of Maine.

BULL  DOG

FOR CANNED SARDINES.
Claims use since October 1908.

Reg. No. 100,841. Registered Oct. 27, 1914. H. KOHNSTAMM & CO., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

ATLAS 

FOR FRUIT CONCENTRATES, ESSENCES, ESSENTIAL OILS AND SYNTHETIC FLAVORS FOR USE IN FLAVORING EXTRACTS AND FLAVORING EXTRACTS ALL FOR USE IN FOOD PRODUCTS.
Claims use since 1908.

Reg. No. 103,818. Registered Apr. 13, 1915. H. KOHNSTAMM & Co., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

"CLIMAX"

FOR FLAVORING EXTRACTS FOR FOODS.
Claims use since Oct. 6, 1914.

Reg. No. 103,856. Registered Apr. 20, 1915. H. KOHNSTAMM & Co., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

"CRITERION"

FOR FLAVORING EXTRACTS FOR FOODS.
Claims use since Oct. 6, 1914.

Reg. No. 121,596. Registered May 14, 1918. COBB AND DOFFLEMYER, Exeter, Calif. Republished by W. Todd Dofflemyer & Son, Exeter, Calif., a partnership.

Marguerite

FOR ORANGES AND GRAPEFRUIT.
Claims use since Oct. 14, 1914.

Reg. No. 125,747. Registered June 10, 1919. H. KOHNSTAMM & Co., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

VANATROL

FOR FLAVORING EXTRACT FOR FOODS.
Claims use since Dec. 18, 1916.

Reg. No. 130,695. Registered May 4, 1920. THE WILLIAM DAVIES COMPANY, LIMITED, Chicago, Ill. Republished by William Davies Co., Inc., Chicago, Ill., a corporation of Illinois.

CHEVRON

FOR BACON.
Claims use since Mar. 1, 1919.

Reg. No. 130,780. Registered May 4, 1920. H. KOHNSTAMM & Co., New York, N. Y. Republished by H. Kohnstamm & Co., Inc., New York, N. Y., a corporation of New York.

KONILLA

FOR FLAVORING EXTRACT FOR FOODS.
Claims use since June 28, 1919.

Reg. No. 150,496. Registered Sept. 26, 1922. RODDENBERY BROS., Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., doing business as Roddenbery Brothers, Cairo, Ga., a corporation of Georgia.

Pure Gold BRAND

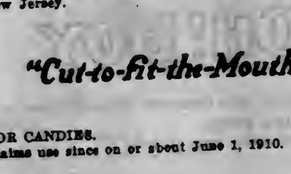
The word "Brand" is disclaimed apart from the mark as shown.
FOR PURE GEORGIA CANE SYRUP.
Claims use since Feb. 7, 1899.

Reg. No. 150,853. Registered Oct. 10, 1922. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

BANNER

FOR OLEO OIL FOR SHORTENING PURPOSES AND USE IN THE MANUFACTURE OF BUTTERINE AND OLEOMARGARINE.
Claims use since 1908.

Reg. No. 172,462. Registered Aug. 28, 1923. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

BANNER 

FOR OLEO, OLEO OIL, AND SHORTENING.
Claims use since 1908.

Reg. No. 176,253. Registered Nov. 20, 1923. LEE COUNTY PACKING COMPANY, Fort Myers, Fla., a corporation of Florida. Republished by registrant.

BLACK BEAUTY

FOR FRESH CITROUS FRUITS.
Claims use since Oct. 9, 1922.

Reg. No. 183,864. Registered Apr. 29, 1924. JAMES BROTHERS, Atlantic City, N. J. Republished by James Candy Company, Atlantic City, N. J., a corporation of New Jersey.

"Cut-to-fit-the-Mouth"

FOR CANDIES.
Claims use since on or about June 1, 1910.

Reg. No. 184,689. Registered May 27, 1924. JAMES BROTHERS, Atlantic City, N. J. Republished by James Candy Company, Atlantic City, N. J., a corporation of New Jersey.



FOR CANDY.
Claims use since on or about Apr. 15, 1923.

Reg. No. 184,690. Registered May 27, 1924. JAMES BROTHERS, Atlantic City, N. J. Republished by James Candy Company, Atlantic City, N. J., a corporation of New Jersey.

James'

FOR CANDIES AND ICE CREAM.
Claims use since on or about June 1, 1880.

Reg. No. 197,035. Registered Apr. 7, 1925. RODDENBERY BROTHERS, Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., doing business as Roddenbery Brothers, Cairo, Ga., a corporation of Georgia.

OH! BOY

FOR TABLE SYRUP.
Claims use since Sept. 16, 1924.

Reg. No. 221,077. Registered Nov. 23, 1926. TEXARKANA COTTON OIL CO., Texarkana, Ark. Republished by Texarkana Cotton Oil Corporation, Texarkana, Ark., a corporation of Arkansas.

STEER



FOR COTTONSEED MEAL, AND COTTONSEED HULLS.
Claims use since Sept. 6, 1925.

Reg. No. 222,257. Registered Dec. 28, 1926. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

SILVER COIN

FOR WHEAT FLOUR.
Claims use since 1884.

Reg. No. 237,270. Registered Jan. 3, 1928. CHEROKEE MILLS, Nashville, Tenn. Republished by Cherokee Mills, Nashville, Tenn., a corporation of Tennessee.

TIP-TOP

FOR SELF RISING FLOUR.
Claims use since November 1910.

Reg. No. 237,844. Registered Jan. 17, 1928. CHEROKEE MILLS, Nashville, Tenn. Republished by Cherokee Mills, Nashville, Tenn., a corporation of Tennessee.

TIP-TOP
SUPERLATIVE
SELF-RISING
FLOUR

The lining upon the drawing indicates the colors red, white and blue. No claim is made to the wording "Superlative Self-Rising Flour" apart from the mark as shown.
FOR SELF-RISING FLOUR.
Claims use since November 1910.

Reg. No. 242,461. Registered May 22, 1928. JOHN W. EBERLMAN & SONS, Lancaster, Pa., a corporation of Pennsylvania. Republished by registrant.

PENNSY

FOR POULTRY FOODS AND LIVESTOCK FOODS.
Claims use since January 1922.

Reg. No. 242,462. Registered May 22, 1928. JOHN W. EBERLMAN & SONS, Lancaster, Pa., a corporation of Pennsylvania. Republished by registrant.

CONESTOGA

FOR LIVESTOCK FOODS.
Claims use since January 1917.

Reg. No. 242,463. Registered May 22, 1928. JOHN W. EBERLMAN & SONS, Lancaster, Pa., a corporation of Pennsylvania. Republished by registrant.

RED ROSE

FOR LIVESTOCK FOODS.
Claims use since January 1917.

Reg. No. 242,470. Registered May 22, 1928. PLANT FLOUR MILLS COMPANY, St. Louis, Mo. Republished by Dixie-Portland Flour Co., Memphis, Tenn., a corporation of Tennessee.



GINGHAM GIRL

FOR WHEAT FLOUR, PREPARED WHEAT FLOUR, CORN MEAL, RYE FLOUR, PANCAKE FLOUR, AND BREAKFAST CEREALS.
Claims use since Dec. 20, 1924.

Reg. No. 244,353. Registered July 17, 1928. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

ATLANTIC PACKING COMPANY

FOR LARD, OLEO OILS FOR FOOD PURPOSES, POULTRY AND STOCK FEEDS, GELATINE, STEARINE MADE FROM EDIBLE FATS AND USED AS AN INGREDIENT OF SHORTENING; MEAT PRODUCTS FOR FOOD PURPOSES—NAMELY, COOKED MEAT, WHOLE OR GROUND, TO BE USED FOR POULTRY AND STOCK FOOD; AND BONE PRODUCTS FOR FOOD PURPOSES—NAMELY, COOKED BONE, WHOLE OR GROUND, TO BE USED FOR POULTRY AND STOCK FOOD.
Claims use since about February 1906.

Reg. No. 249,772. Registered Nov. 20, 1928. OCONOMOWOC CANNING COMPANY, Oconomowoc, Wis., a corporation of Wisconsin. Republished by registrant.

PEE-WEE

FOR CANNED VEGETABLES.
Claims use since July 26, 1928.

Reg. No. 268,980. Registered Mar. 25, 1930. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

BLUE SWAN

FOR WHEAT FLOUR.
Claims use since Jan. 1, 1929.

Reg. No. 289,561. Registered Dec. 1, 1931. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Salt Lake City, Utah, a corporation of Colorado. Republished by registrant, present address Denver, Colo.



The word "Flour" is disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since January 1930.

Reg. No. 290,903. Registered Jan. 19, 1932. JAMES', INC., Atlantic City, N. J. Republished by James Candy Company, Atlantic City, N. J., a corporation of New Jersey.

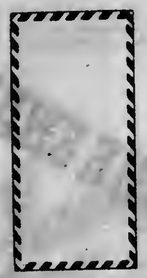
James' Sealed

The word "Sealed" is disclaimed apart from the mark as shown.

FOR CONFECTIONS—NAMELY, CANDIES.

Claims use since on or about May 24, 1929.

Reg. No. 311,949. Registered Apr. 10, 1934. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.



FOR SELF-RISING FLOUR.

Claims use since April 1931.

Reg. No. 317,588. Registered Oct. 2, 1934. ALLIED MILLS, INC., Chicago, Ill., a corporation of Indiana. Republished by registrant.

UNIVERSAL

FOR LIVESTOCK AND POULTRY FEEDS.

Claims use since Mar. 1, 1926.

Reg. No. 323,854. Registered May 7, 1935. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

CORENCO

FOR LARD, OLEO STEARINE, OLEO STEARINE OILS, AND ANIMAL SHORTENING FOR ALL FOOD PURPOSES; POULTRY AND STOCK FEEDS; GELATINE; STEARINE MADE FROM EDIBLE FATS AND USED AS AN INGREDIENT OF SHORTENING; MEAT PRODUCTS FOR FOOD PURPOSES—NAMELY, COOKED MEAT, WHOLE OR GROUND, TO BE USED FOR POULTRY AND STOCK FOOD; AND BONE PRODUCTS FOR FOOD PURPOSES—NAMELY, COOKED BONE, WHOLE OR GROUND, TO BE USED FOR POULTRY, AND STOCK FOOD.

Claims use since about July 1920.

Reg. No. 347,265. Registered June 22, 1937. SUNFLOWER PACKING CORP., Porterville, Calif. Republished by Sunflower Packing Association, Porterville, Calif., a corporation of California.

PORTER

FOR FRESH CITRUS FRUIT.

Claims use since Nov. 10, 1936.

Reg. No. 348,517. Registered July 27, 1937. REDLANDS FOOTHILL GROVES, Redlands, Calif., a corporation of California. Republished by registrant.

REDLANDS FOOTHILL

FOR FRESH CITRUS FRUITS.

Claims use since May 2, 1927.

Reg. No. 358,759. Registered July 26, 1938. LEE COUNTY PACKING COMPANY, Fort Myers, Fla., a corporation of Florida. Republished by registrant.

ROYAL POINCIANA

FOR FRESH ORANGES, LEMONS, GRAPEFRUIT, LIMES, AND TANGERINES.

Claims use since 1909.

Reg. No. 366,781. Registered May 2, 1939. JAMES', INC., Atlantic City, N. J. Republished by James Candy Company, Atlantic City, N. J., a corporation of New Jersey.



The words "Trade-Mark—Improved Salt Water Taffy Cut-to-Fit the-Mouth" are disclaimed apart from the mark as shown.

FOR CONFECTIONS—NAMELY, CANDIES.

Claims use since on or about Aug. 1, 1924.

Reg. No. 367,367. Registered May 16, 1939. LEE COUNTY PACKING COMPANY, Fort Myers, Fla., a corporation of Florida. Republished by registrant.

NATIONAL

FOR FRESH ORANGES, LEMONS, GRAPEFRUIT, LIMES, AND TANGERINES.

Claims use since April 1917.

Reg. No. 370,272. Registered Aug. 22, 1939. SAN PAT VEGETABLE COMPANY, Sinton, Tex., a corporation of Texas. Republished by registrant.

SAN PAT

FOR FRESH VEGETABLES.

Claims use since February 1929.

Reg. No. 372,069. Registered Oct. 24, 1939. LEE COUNTY PACKING COMPANY, Fort Myers, Fla., a corporation of Florida. Republished by registrant.

YACHT BRAND

The word "Brand" is disclaimed apart from the mark as shown.

FOR FRESH ORANGES, LEMONS, GRAPEFRUIT, LIMES, AND TANGERINES.

Claims use since December 1919.

Reg. No. 387,302. Registered May 13, 1941. DIXIE MILLS COMPANY, East St. Louis, Ill., a corporation of Illinois. Republished by registrant.



The drawing is lined for red and blue.

FOR POULTRY FEEDS AND INGREDIENTS ENTERING INTO THE COMPOSITION OF THE SAME—NAMELY, HEN FEED, CORN AND WHEAT SCRATCH, DEVELOPING FEED, CHICK FEED, CHICK MASH, STARTER AND GROWER MASH, BROILER MASH, GROWING MASH, TURKEY STARTER AND DEVELOPING MASH, TURKEY GROWING MASH, TURKEY BREEDER MASH, LAYING MASH, EGG MASH, ALL PURPOSE MASH, MIXER MASH, DUCK DEVELOPING AND FATTENING MASH, FATTENING MASH, CONTROL MASH, MEAT AND BONE SCRAPS, AND SPECIAL CORN CHOPS.

Claims use since about Feb. 1, 1940.

Reg. No. 387,397. Registered May 13, 1941. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

HI-ALTITUDE

FOR PANCAKE FLOUR.

Claims use since November 1936.

Reg. No. 390,166. Registered Sept. 9, 1941. SUNFLOWER PACKING CORP., Porterville, Calif. Republished by Sunflower Packing Association, Porterville, Calif., a corporation of California.

SILVER DOLLAR

FOR FRESH CITRUS FRUITS.

Claims use since Apr. 30, 1941.

Reg. No. 397,842. Registered Sept. 22, 1942. SUNFLOWER PACKING CORP., Porterville, Calif. Republished by Sunflower Packing Association, Porterville, Calif., a corporation of California.

Battle Front

FOR FRESH CITRUS FRUIT.

Claims use since May 18, 1942.

Reg. No. 403,996. Registered Oct. 26, 1943. MOR-PAK PRESERVING CORPORATION, San Francisco, Calif., a corporation of Nevada. Republished by registrant.

MOR-PAK

The word "Pak" is disclaimed apart from the mark as shown.
FOR CANNED FRUIT AND VEGETABLES.
Claims use since Aug. 29, 1925.

Reg. No. 417,848. Registered Nov. 20, 1945. REDLANDS FOOTHILL GROVES, Redlands, Calif., a corporation of California. Republished by registrant.



BRONCO

FOR FRESH CITRUS FRUITS.
Claims use since Dec. 1, 1909.

Reg. No. 418,404. Registered Dec. 18, 1945. THE EUCLID UNDERWRITING CORPORATION, Brooklyn, N. Y. Republished by The Euclid Candy Company, Inc., Brooklyn, N. Y., a corporation of New York.

DOLLY DIMPLE

FOR CANDY.
Claims use since Sept. 10, 1926.

Reg. No. 423,807. Registered Sept. 10, 1946. SHRODE-NELSON PRODUCE CO., Goleta, Calif., a firm. Republished by registrant.

SN

The word "Brand" is disclaimed apart from the mark as shown.
FOR FRESH VEGETABLES—NAMELY, TOMATOES.
Claims use since Oct. 1, 1944.

Reg. No. 427,548. Registered Feb. 11, 1947. STALEY MILLING COMPANY, North Kansas City, Mo., a corporation of Missouri. Republished by registrant.

FOUR BELLS ATOMS

FOR CHICK FEED IN MASH FORM.
Claims use since Mar. 29, 1946.

Reg. No. 434,203. Registered Nov. 11, 1947. STALEY MILLING COMPANY, North Kansas City, Mo., a corporation of Missouri. Republished by registrant.

BLESSED EVENT

FOR HOG AND PIG FEED.
Claims use since June 1939.

Reg. No. 434,596. Registered Nov. 25, 1947. LAKE COVE GROWERS, INC., Finley, Calif., a corporation of California. Republished by registrant.

PIRATE'S COVE

FOR FRESH DECIDUOUS FRUITS.
Claims use since July 25, 1931.

Reg. No. 434,803. Registered Dec. 9, 1947. CINDERELLA FOODS, Dawson, Ga., assignor, by mesne assignments, to Cinderella Foods Division of Stephens Industries, Inc. Republished by Cinderella Foods, Division of Stevens Industries, Inc., Dawson, Ga., a corporation of Georgia.

Fairylan

FOR PEANUT BUTTER, MAYONNAISE, SALAD DRESSING, OLEOMARGARINE, PEANUT BUTTER SANDWICHES, SALTED PEANUTS, AND CANDY.
Claims use since Nov. 12, 1945.

Reg. No. 438,575. Registered May 4, 1948. SOMIS LEMON ASSOCIATION, Oxnard, Calif., a corporation of California. Republished by registrant.

SEA GROVES

The word "Groves" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since Apr. 8, 1946.

Reg. No. 438,961. Registered May 25, 1948. ALLIED FOOD CORPORATION OF AMERICA, New York, N. Y., a corporation of New York. Republished by registrant.



FOR GUAVA JELLY.
Claims use since Jan. 1, 1946.

Reg. No. 439,173. Registered June 8, 1948. JOHN MORRELL & Co., Ottumwa, Iowa, a corporation of Maine. Republished by registrant.

MORRELL

E-Z-Q

FOR CANNED PORK PRODUCT WITH BARBECUE SAUCE, THE INGREDIENTS OF WHICH ARE CHOPPED PORK, VINEGAR, SALT, CORN FLOUR, FLAVORING AND SUGAR.
Claims use since Mar. 30, 1946.

Reg. No. 439,688. Registered July 13, 1948. LAKE COVE GROWERS, INC., Finley, Calif., a corporation of California. Republished by registrant.

Lakecove

FOR FRESH DECIDUOUS FRUITS.
Claims use since July 25, 1931.

CLASS 47

WINES

Reg. No. 392,750. Registered Jan. 13, 1942. SALVATORE A. SALOMONE, doing business as Riverbank Wine Co., Brooklyn, N. Y. Republished by Riverbank Wine Company, Brooklyn, N. Y., a firm.



The drawing is lined for the colors red and black.
FOR WINES.
Claims use since Dec. 6, 1933.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 439,974. Registered Aug. 3, 1948. THE ERIE BREWING COMPANY, Erie, Pa., a corporation of Pennsylvania. Republished by registrant.

OLD DOBBIN

The word "Old" is disclaimed apart from the mark as shown.
FOR ALE.
Claims use since April 1933.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 371,011. Registered Sept. 12, 1939. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

DE-LUXE

FOR BILLIARD TABLE COVERS, COMPOSED OF RUBBERIZED CLOTH, TO PROTECT THE TABLE FROM DUST, ETC.
Claims use since Feb. 15, 1939.

Reg. No. 373,031. Registered Nov. 21, 1939. MARCALUS MANUFACTURING CO., INC., Elizabeth, N. J., a corporation of New Jersey. Republished by registrant.

MARCAL

FOR DRINKING STRAWS.
Claims use since April 1939.

Reg. No. 417,444. Registered Oct. 30, 1945. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

PADOCOTT

FOR FIBROUS WADDING OR BATTING MADE PRINCIPALLY FROM COTTON, CELLULOSE, OR SYNTHETIC FIBERS AND USED PRINCIPALLY FOR WRAPPING, PACKING OR PADDING.
Claims use since Apr. 30, 1940.

PLANT PATENTS

GRANTED JUNE 7, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

845

ROSE PLANT

Josephine D. Brownell, Little Compton, R. I.

Application April 22, 1946, Serial No. 663,870

1 Claim. (Cl. 47—61)

The variety of rose plant substantially as shown and described, characterized by its resistance to winter injury, its continuity and intensity of florescence, its pleasing fragrance, its long keeping character, the form of its petals, its character of long holding its flower form, the unique color combinations of red, its large number of petals, all in association with its habit of branching and cumulative growth, from the base by stems or canes.

846

ROSE PLANT

Josephine D. Brownell, Little Compton, R. I.

Application April 22, 1946, Serial No. 663,871

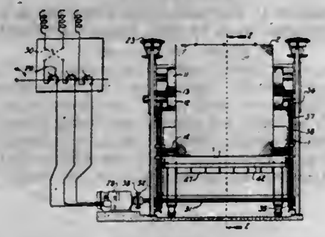
1 Claim. (Cl. 47—61)

The hardy hybrid *Rosa wichuraiana* hybrid tea rose plant variety characterized by its resistance to winter injury, with leaves frequently of seven leaflets, of light red shades, averaging about 35 petals informally arranged that open to show the stamens, of fragrance closely resembling that of the carnation, all substantially as described.

PATENTS

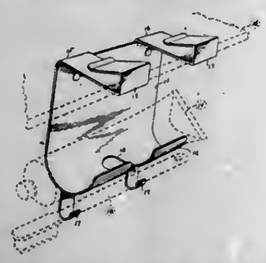
GRANTED JUNE 7, 1949

2,472,057
APPARATUS FOR THE TREATMENT OF FABRICS
Raymond P. Allen, Akron, Ohio, assignor to Seiberling Rubber Company, Barberton, Ohio, a corporation of Delaware
Application November 20, 1945, Serial No. 629,802
7 Claims. (Cl. 91—17)



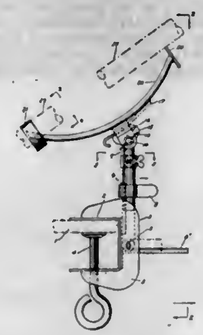
7. Means for treating tire fabric while spread flat which comprises fabric-dipping means with facilities for conveying fabric therethrough while spread flat; drying means which comprises rotatable means of large diameter adapted for the passage of fabric thereover while the fabric is spread flat; and between these freely rotatable means of uniform diameter which, in effect, is movable lineally with respect to said dipping and drying means over which the fabric passes while spread flat, and mechanism which includes a stalled torque motor connected with a reversible switch and a rheostat for maintaining said freely rotatable means in a substantially constant position lineally with respect to said dipping and drying means whereby the tension on the fabric is controlled and maintained substantially constant.

2,472,058
TUBE AND INSTRUMENT HOLDER
Wayne C. Artley, Des Moines, Iowa
Application February 6, 1947, Serial No. 726,869
4 Claims. (Cl. 248—108)



1. In a device of the class described, a base member having its lower free end portion bent outwardly to provide a shelf, and two elongated members spaced apart and secured to the back of said base member; said last two members having their lower end portions curved outwardly below said first-mentioned member and their upper end portions bent over the top of said first-mentioned member and then back upon themselves to form shelf engaging members.

2,472,059
FISHING ROD HOLDER
James A. Arwood, Birmingham, Ala.
Application June 11, 1946, Serial No. 676,026
1 Claim. (Cl. 248—42)



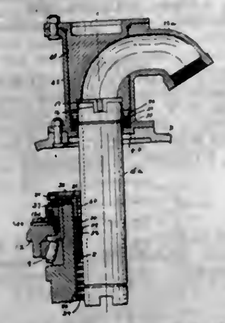
A fishing rod holder of the class described comprising; a U-shaped clamp, a groove in the body of the clamp, two extending arms integral with and leading from the groove and at right angle to each other, a piece of tube with one end swingably attached in the said groove and adapted to be set parallel with either of said extending arms, a sleeve positioned slidable on said tube and adapted to hold the tube parallel with and adjacent either of said extending arms, a wing handle integral with the sleeve; slits cut in the free end of said swingable tube; a second piece of tube with one end telescoped into the free end of the swingable tube, a clamping collar mounted around the said tubes and adapted by manual means to clamp the second tube within the swingable tube; a third piece of tube attached across the outer end of the second tube, a bracket swingably attached to the cross tube, a curved arm attached to the said swingable bracket, a loop portion formed on one end of the curved arm, a slot formed in the other end of the curved arm, a flange attached to the cross tube, a plurality of holes in the flange, a spring with one end thereof attached to the curved arm, an extension formed in and with the middle portion of the spring, the said spring extension adapted to be set into any hole in the said flange; a bolt positioned through the bracket on the cross tube and through the cross tube, a wing nut on the bolt, said bolt and nut adapted for clamping the bracket in any one of a plurality of positions on the cross tube.

2,472,060
METHOD OF SIMULATING SURFACE STRUCTURES
Berdge K. Beylerian, Los Angeles, Calif.
Application October 22, 1945, Serial No. 623,817
5 Claims. (Cl. 18—53)



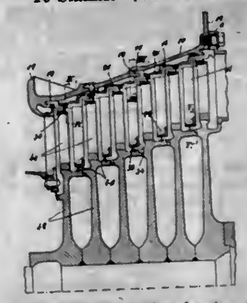
1. A method of forming a surface structure simulating an original surface structure having areas wherein hollows and high spots are of different depths comprising the steps of making a mold of the original surface structure wherein the hollows and high spots are reversed, then applying to the areas of shallower depth in the mold a predetermined quantity of plastic rubber-like material having a predetermined density, applying to the areas of greater depth a quantity of said plastic material having a lesser density so that all portions of the original surface will be covered to substantially the same depth and provide a virtually flat reverse side, then applying a backing material to the reverse side before said material has jelled, causing the material applied to the mold to jell and a skin to form on the surface adjacent the mold, and removing the material from the mold.

2,472,061
ROTARY SWIVEL FOR DRILLING RIGS
Richard R. Bloss and Archie R. McLerran, Beaumont, Tex., assignors to International Derrick & Equipment Company, Columbus, Ohio, a corporation of Ohio
Application March 18, 1946, Serial No. 655,182
3 Claims. (Cl. 285—90)



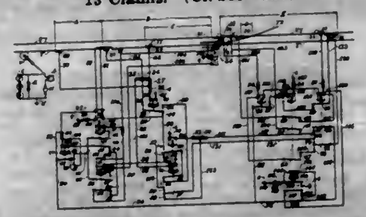
1. In a swivel having stationary parts provided with a tubular inflow connection and having a rotatable stem mounted on one of said stationary parts, a tubular wash pipe arranged to conduct fluid from said connection to the stem, one end of said wash pipe being reduced in outside diameter and having notches therein, means on said connection loosely extending into said notches, said wash pipe having an external annular groove and at least one of said stationary parts having a counterbore, a resilient sealing ring in said counterbore around the wash pipe occupying less volume than the counterbore and a retaining ring engaging with said sealing ring and removably extending into said groove to form a support for said pipe whereby the latter is free to reciprocate axially and gyrate relative to the stationary parts.

2,472,062
TURBINE CASING CONSTRUCTION
Gustav Karl William Boestad, Lidingo, and Hans Robert Nilsson, Fredhall, Stockholm, Sweden, assignors, by mesne assignments, to Jarvis C. Marble, New York, N. Y., Leslie M. Merrill, Westfield, N. J., and Percy H. Batten, Racine, Wis., as trustees
Application July 5, 1944, Serial No. 543,510
In Sweden August 24, 1943
10 Claims. (Cl. 253—69)



1. An elastic fluid turbine having an external casing and an internal annular member carrying turbine guide blades, said member being divided longitudinally of the turbine to provide a plurality of elements with longitudinally extending clearance spaces therebetween to permit peripheral expansion and contraction of the elements, cooperating guide surfaces on said casing and said elements for centering the latter relative to the casing, said surfaces engaging to restrain the member against radial movement thereof relative to the casing and to cause relative movement between the engaged parts due to differential expansion and contraction to take place peripherally at constant radius and sealing means engaging said elements to close said clearance spaces while permitting relative peripheral movement between adjacent ones of said elements.

2,472,063
SAFETY CONTROL FOR TRACK SWITCHES
Henry A. Brown, Cleveland, Ohio
Application June 8, 1944, Serial No. 539,329
13 Claims. (Cl. 246—227)



1. In combination with a road system including a road forming an approach to a junction having branch roads extending therefrom; directing means for traffic including means for de-

termining the branch road that may be taken by a vehicle from the junction; control means selectively operable from the vehicle for controlling selectively the operation of the determining means; and means supervising the selective operation of the determining means, said supervisory means operating in response to a vehicle entering a fixed portion of the approach road and utilizing any period of time greater than a certain predetermined period of substantial duration in passing over another portion of the approach road in advance of the said fixed portion, to operate the determining means in accordance with the selective operation of the control means, and in response to a vehicle entering the said fixed portion and utilizing any period of time less than the aforesaid predetermined period in passing over the said another portion of the approach road, to operate the determining means independently of the control means to direct passage of the vehicle onto a predetermined one of the branch roads.

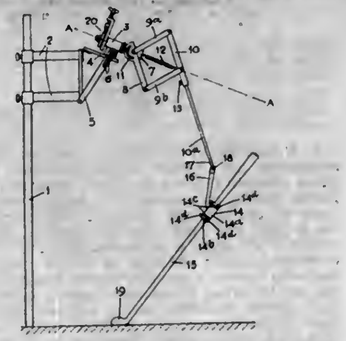
2,472,064
TOY BANK
Frank Damiano, Newburgh, N. Y.
Application May 14, 1947, Serial No. 748,091
4 Claims. (Cl. 46—2)



1. A toy comprising a human figurine having a movable leg, a movable arm and a movable head operatively connected together, said figurine including an eye, an electric lamp in the head of said figurine, the light from said lamp being visible through said eye, an accordion carried by said figurine, said accordion being connected to said arm and being actuated by the movement of said leg, and an electric switch in circuit with said lamp, said switch being alternately opened and closed by the movement of said leg.

2,472,065
GOLF EXERCISING APPARATUS
Rufus Frank Cettingham, Scunthorpe, England
Application October 31, 1946, Serial No. 706,853
In Great Britain August 24, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 24, 1965
5 Claims. (Cl. 273—35)

1. Apparatus for use in practising golf comprising a fixed structure, a stub shaft rotatably and angularly mounted on said fixed structure, a control device mounted by one end for rotation with said stub shaft, a combined swivel and pivot joint on the other end of said control device, club carrier means adapted to support a club with freedom to rotate about the longitudinal axis of its shaft, said carrier means being mounted by means of said swivel and pivot joint to said control device and adapted to swivel and pivot in relation thereto as the club supported in said

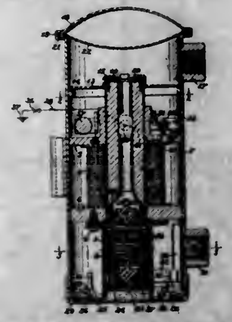


carrier means is gripped and swung by the player and braking means adapted for co-operation with the stub shaft to resist the turning of the control device and the associated carrier means and club to impose restraint on the swing of the club during the operative down stroke thereof.

2,472,066
2-ARYLAMINO-4-HALOGENOQUINOLINES
Francis Henry Swinden Curd, Clifford Gordon Raison, and Francis Leslie Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 31, 1945, Serial No. 608,087. In Great Britain August 31, 1944
1 Claim. (Cl. 260—288)

2-p-chloroanilino-4-chloro-quinoline.

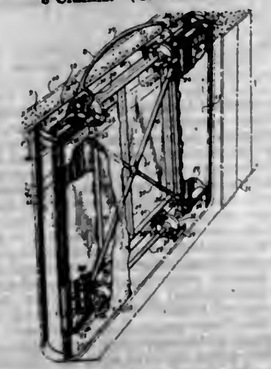
2,472,067
ELECTROMAGNETIC PUMP
John W. Dickey, Newfield, and Norwood S. Trout, Jr., Elmira, N. Y., assignors to Bendix Aviation Corporation, a corporation of Delaware
Application March 24, 1947, Serial No. 736,862
6 Claims. (Cl. 103—53)



1. In an electromagnetic pump, a cylinder of nonmagnetic material, a hollow piston of magnetic material therein, a spring for actuating

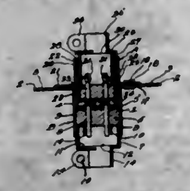
the piston on its discharge stroke, means including a solenoid surrounding the cylinder for retracting the piston, a casing surrounding the cylinder and solenoid and providing an inlet chamber at one end of the cylinder having an inlet opening and an outlet chamber at the other end having an outlet opening, means preventing backward flow of liquid through the cylinder and piston, a removable cap closing the inlet end of the casing, means in the casing closing the inlet opening, and means on the cap for opening the closure when the cap is attached to the casing.

2,472,068
EXPANSIBLE CORE FOR USE IN MOLDING HOLLOW CONCRETE WALLS
Kathryn Farley, Chicago, Ill.
Application May 22, 1946, Serial No. 671,615
8 Claims. (Cl. 25—128)



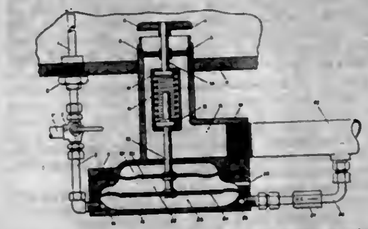
1. In a molding form of the character described including side plates and end sections, expanding and contracting means comprising, cam shafts provided with cam grooves and rotatably secured to hubs of the said end sections, shoulder screws secured to the said hubs their extensions engaging the said cam grooves in the said cam shafts, cam discs secured to the said cam shafts, roller brackets secured to the said side plates and engaging the said cam discs, transmission means interconnecting the said cam shafts, and rotatable manipulative means secured to one of the said cam shafts.

2,472,069
TRACTOR TRAILER ELECTRICAL COUPLING
Wayne O. Folger, Wichita, Kans.
Application November 1, 1946, Serial No. 707,248
2 Claims. (Cl. 173—328)



1. An electrical connector comprising two members, one of said members constituting a plug and the other a socket, the plug member including a shell, a sleeve telescopically engaging within said shell, means for constantly urging the sleeve outwardly beyond an end of the shell, an insulating medium within the shell, contact members carried by said medium, a second sleeve freely insertable within the shell through the end thereof remote from the first sleeve, and providing means for holding the insulating medium within the first sleeve, and contact members within the socket member with which the contact members of the plug member engage when the two members are in assembly.

2,472,070
PRESSURE CONTROLLED LIQUID OUTLET VALVE
Owen L. Garretson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 15, 1946, Serial No. 662,370
4 Claims. (Cl. 137—68)

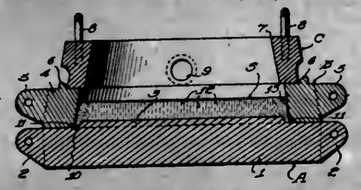


3. In a valve of the class described in combination: a valve body having a fluid conduit therethrough; a moveable valve head adapted to be moved to open and close said conduit; means for transmitting force not exceeding a predetermined maximum to said valve head tending to move the same to open said conduit and for transmitting force to said valve head tending to move the same to close said valve comprising in combination a moveable rigid thrust member, a compressible resilient member carried by said thrust member, a moveable valve stem attached to said valve head adapted to rest upon and receive thrust from said compressible resilient member, a housing disposed to enclose said compressible resilient member and to receive slidably said valve stem and said rigid thrust member adapted to limit separation of said valve stem and said thrust member; a fluid actuated diaphragm attached to said rigid thrust member adapted to move the same in a direction to transmit force to said valve head tending to close said valve; and a second gas actuated diaphragm attached to said rigid thrust member adapted to move the same in a direction to transmit force to said valve head tending to open said valve.

2,472,071
MOLD ASSEMBLY FOR PRODUCING CAST METAL SLABS
Emil Gathmann, Baltimore, Md., assignor to Gathmann Research Incorporated, Catonsville, Md., a corporation of Maryland
Application August 6, 1945, Serial No. 609,066
2 Claims. (Cl. 22—139)

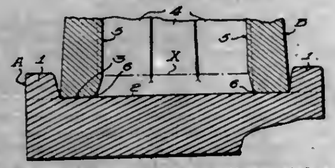
1. In a mold assembly for casting an easily shatterable metal slab, a mold proper the matrix walls of which are highly tapered; a supporting stool having a high heat absorptive capacity as compared to that of said matrix walls; and a substantially flat pad on said stool of less height

than said matrix walls extending up into the matrix and having its margin spaced inwardly from the lower portions of the matrix walls to provide a space for forming a narrow marginal rim cast integrally with the slab, whereby said pad and said rim will maintain the slab centered



with respect to the matrix walls to provide for the formation of a substantially uniform dead air space between the slab edges and the matrix walls when the slab contracts on cooling, the ratio of the mold matrix horizontal dimension to the mold matrix height being much greater than two-to-one so that a casting formed in said matrix will be in the form of a thin slab.

2,472,072
INGOT MOLD
Emil Gathmann, Baltimore, Md., assignor to Gathmann Research Incorporated, Catonsville, Md., a corporation of Maryland
Application September 4, 1945, Serial No. 614,377
5 Claims. (Cl. 22—139)



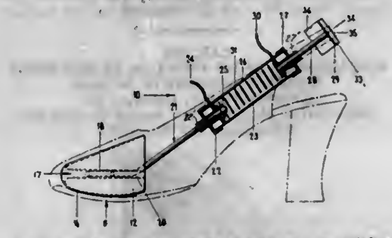
1. In a mold assembly for casting metal, a big-end-down mold proper; and a stool on which the mold proper is supported, the matrix walls of the mold proper and the lower face of the mold proper merging in a smoothly rounded convex edge.

2,472,073
DOUGH CUTTING AND PLACING MACHINE
Erwin Haecks, San Francisco, Calif.
Application January 30, 1946, Serial No. 644,384
2 Claims. (Cl. 107—7)



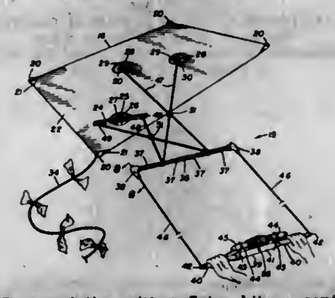
1. In a machine of the kind described, a main endless belt conveyor having an upper horizontal run for carrying dough and provided with a belt carrying roll at its delivery end whereby dough from the conveyor will move from horizontal to vertical position, a pair of downwardly converging endless belt guides positioned at the delivery end of said main conveyor to receive dough delivered therefrom, said guides having spaced belt rolls at their upper ends gear connected for simultaneous rotary movement, one of said guides being swingingly supported from its upper end, a counterweight carried by said last mentioned dough guide urging its lower end yieldably toward the other dough guide, driving means connecting said main belt roll with one of the dough guide gears, and means to drive said main belt.

2,472,074
FINGER-GRIP SHOE TREE
Leonard B. Harris and Vito E. Pascale, New York, N. Y.
Application October 15, 1946, Serial No. 703,436
2 Claims. (Cl. 12—128.2)



1. In a one-hand actuated shoe tree comprising an angularly shaped strut member one leg of which comprises a loop-shaped end portion, a composite toe member comprising two toe engaging arms pivotally mounted on said loop-shaped end for movement to and from each other, the other leg of said angularly-shaped strut member carrying an arcuate member adapted to engage the upper extremity of the heel portion of a shoe, and spring actuated means urging said toe and heel members in opposite directions, said spring actuated means comprising a tubular housing having a longitudinal slot in its upper surface, bearings secured respectively at each end of said housing, two finger grips slidable in said housing, and passing through said slot, said arcuate heel member being integral with one of said finger grips, one leg of said strut member being integral with the other finger grip, a compression coil spring in said tubular housing pressing against said finger-grip arms for extending said toe and heel members, said strut being of an obtuse angular shape to cause said finger-grip members to extend above a shoe, whereby said shoe tree is insertable into or removable from a shoe while actuated by one hand of the user.

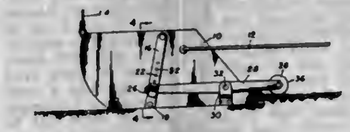
2,472,075
FLYING KITE AND CONTROL
Harvey K. Hole, Dayton, Ohio
Application December 12, 1946, Serial No. 715,765
3 Claims. (Cl. 244—153)



1. In association with a flying kite, a control comprising a guiding rod, pairs of crossed cables

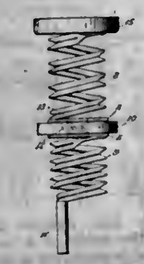
connecting said rod in spaced relation to said kite, an actuating rod, and a pair of spaced cords operatively connecting said rods together.

2,472,076
SCRAPER GUIDE
George R. Howe, Medaryville, Ind.
Application May 20, 1947, Serial No. 749,247
2 Claims. (Cl. 37—135)



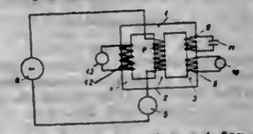
1. A scraper guide comprising a drag line bucket having sides, a back, a bottom and an open front, brackets, means securing one of said brackets on each side in spaced relation relative to said sides, said brackets having apertures therein, arms, means pivotally securing said arms intermediate their ends to said sides for swinging movement in a travel above and below said bottom, means carried by one pair of ends of said arms for controlling the depth of cut taken by said bucket, means disposed in selected apertures associated with the opposite ends of said arms for limiting pivotal travel of said arms, said depth control means including a ground engaging member rotatively secured to said arms across the open end of said bucket.

2,472,077
CATHODE STRUCTURE FOR ELECTRIC DISCHARGE DEVICES
John H. Hutchings, Geneva, Ill., assignor to Continental Electric Company, Geneva, Ill., a corporation of Illinois
Application March 27, 1945, Serial No. 585,029
17 Claims. (Cl. 250—27.5)



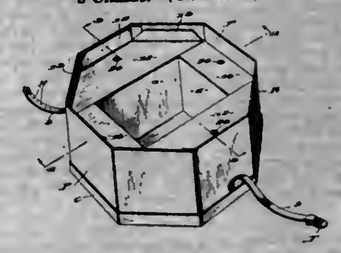
1. A cathode for an electric discharge device comprising a filament structure having an elongated surrounding shield and adapted to emit electrons to a plurality of anodes located on different sides of the shield, said shield having a plurality of openings in different sides thereof respectively spaced lengthwise of the shield and out of alignment with each other transversely of the cathode structure, said shield being imperforate to electronic transmission at other than said perforated side thereof in the same transverse plane.

2,472,078
ELECTRIC HEADLIGHTING FOR VEHICLES
Břetislav Hybler, Hubalov, Czechoslovakia
Application May 3, 1946, Serial No. 666,889
In Czechoslovakia September 26, 1945
5 Claims. (Cl. 315—79)



1. Electrical lighting equipment for a vehicle, comprising at least two light sources mounted thereon, an alternating current generator mounted on the vehicle and mechanically connected to be operated in accordance with the speed of the vehicle, and means electrically connecting said light sources with said generator, and so constructed that one of said light sources is fed with current of sufficient intensity to become luminous only at relatively low speeds of said vehicle, and the other of said light sources is fed with current of sufficient intensity to become luminous only at higher speeds of said vehicle, said last means comprising an iron core having at least two legs, and a winding on each of said legs, each said winding being in series with one of said light sources.

2,472,079
COMBINED HAT STAY AND COMPARTMENTING MEANS FOR HAT BOXES
Louise James and Joseph E. Jubin, New Orleans, La.
Application May 29, 1947, Serial No. 751,384
3 Claims. (Cl. 206—8)



1. In a hat box of polygonal cross sectional shape having relatively opposed parallel pairs of vertical side wall panels, a hat stay and compartmenting means comprising a pair of relatively spaced vertical main partitions extending between the side wall panels of one of said pairs and dividing the interior of said box into a medial space between said partitions and side compartments on relatively remote sides thereof, in combination with integral extensions respectively extending from opposite longitudinal ends of said partitions, each said extension comprising a plurality of relatively folded vertical panels defining an end compartment of parallelogram cross section collapsible into flat condition against its respective main partition, said end compartments being disposed at opposite ends of said medial space and being relatively spaced to define between them an upwardly opening central well adapted to receive the crown of a hat and center same in inverted condition in said box, said partitions and their respective extensions having lin-

ear upper edges lying in a substantially common horizontal plane below the top of the box, and closure flaps for each of said side and end compartments hinged to said upper edges and operatively folded into the plane thereof to form a composite hat brim supporting tray around said central well.

2,472,080
BARREL CONTRACTING TOOL
William D. Jordan, Anamosa, Iowa
Application June 29, 1945, Serial No. 602,357
1 Claim. (Cl. 147—4)



A barrel tightener comprising a hollow handle being open at one end and having an axially apertured closure in its opposite end, spaced parallel laterally extending jaw plates secured to said handle at its open end and formed with opposed arcuate barrel-engaging jaw surfaces, spaced pins secured between said jaw plates, antifriction rollers disposed on said pins, a screw slidably disposed through said handle and apertured closure having an eye on its end adjacent the open end of said handle, a fixed link connected with said eye, a chain secured intermediate its ends to said fixed link, a hook on one end of said chain, an operating arm formed with a threaded opening forming a nut adapted to extend over the threaded outer end of said screw, and an operating handle formed on the outer end of said operating arm for rotating said operating arm to draw said chain into said hollow handle when placed about a barrel for securing a barrel head.

2,472,081
BINDING FOR LINOLEUM
Abraham I. Kantor, Bloomfield, N. J.
Application April 11, 1945, Serial No. 587,691
1 Claim. (Cl. 94—3)



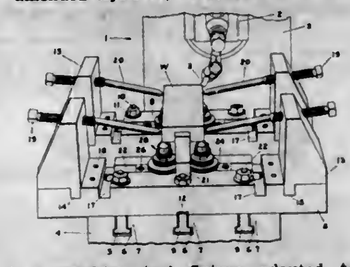
In a binding for sealing meeting edges of linoleum, the combination of a pair of juxtapositioned sheets of linoleum having meeting edges, with a flat strip having comparatively short arcuate flanges at the edges providing an open recess in the inner part of the strip between the flanges, a layer of adhesive cement providing filling material filling the said recess in the under surface of the strip between the flanges, said strip overlying said meeting edges and being secured thereto by said cement, and spaced pairs of brads extended through the opposite edges of the strips and into said meeting edges with one brad of each of said pairs in each of said sheets of linoleum.

2,472,082
THERMAL SWITCH
George C. Armstrong, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application April 3, 1945, Serial No. 586,287. Divided and this application August 15, 1946, Serial No. 690,631
7 Claims. (Cl. 200—122)



1. An electric contact device, comprising a heatable and expansible container structure of variable volume having a quantity of mercury enclosed by said structure, a quantity of volatile liquid disposed in said structure so as to volatilize when sufficiently heated in order to then expand the volume of said structure, said container structure having two interior contact surfaces insulated from each other and engageable by said mercury quantity so as to be electrically interconnected and disconnected by said mercury quantity depending upon the change in mercury level caused by the change in volume of said structure.

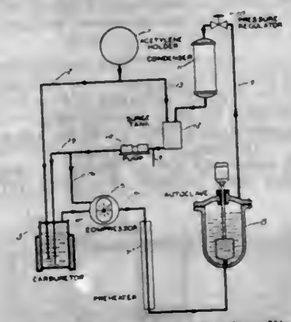
2,472,083
MACHINE TOOL FIXTURE
Carl O. Bartholdy, San Francisco, Calif.
Application July 3, 1945, Serial No. 603,096
4 Claims. (Cl. 90—60)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A machine tool fixture adapted to be mounted upon the table of a machine tool including, a pair of base plates supported upon the table and extending transversely thereof, the base plates being movable longitudinally of said table and relative to each other, keys carried by said base plates and coacting with the table for guiding and securing the base plates in adjusted positions, each base plate having an elongate longitudinal slot extending vertically therethrough, a pair of blocks slidably mounted within each slot so as to be movable transversely of said table, a key associated with each block and coacting with the slot for confining the block in said slot, means securing each key to its block and being tightened so as to bind the key against movement and fasten said block in adjusted

positions, each block having a vertical socket formed therein, a flanged pin engaging within each socket and having an axial bore, a second flanged pin screw-threaded into the bore of the first pin and having an axial bore, a lock nut carried by the second pin and overlying the flange of said first pin for locking said second pin in a vertically-adjusted position, a third pin screw-threaded into the bore of the second pin and having an enlarged head projecting thereabove, a slotted washer engageable upon the third pin and supported upon the flange of said second pin for controlling the vertical projection of the head of said third pin, whereby the elevations of the pair are vertically-adjustable and coact with the pins of the other block to support work in angular relation to the machine tool, a stop carried by the base plate farthest from said machine tool for preventing movement of the work longitudinally of said table away from the machine tool, said base plates having spaced transverse channels formed in their upper surfaces adjacent their longitudinal ends, an upright member overlying and secured to each end of each base plate, the member having a depending rib engaging within one of the channels, a set screw screw-threaded through the upper portion of said member and extending inwardly and downwardly, and a pin having a tapered inner end interposed between the lateral margin of the work and the inner end of the set screw for preventing transverse displacement of said work.

2,472,084
CARBURETOR PROCESS FOR ACETYLENE REACTIONS
Hans Beller, Cranford, and Robert E. Christ and Fritz Wuerth, Elizabeth, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application October 10, 1945, Serial No. 621,620
12 Claims. (Cl. 260—614)



1. In a process involving the handling of acetylene wherein acetylene, from a low pressure source thereof maintained at conditions of temperature and pressure at which acetylene is non-explosive, is compressed and passed through a high pressure zone maintained at conditions of temperature and pressure at which the acetylene is normally explosive, the method of eliminating the danger of acetylene explosion which comprises contacting a stream of acetylene from said low pressure source while it is still at a low temperature and pressure outside the explosive range of acetylene with a volatile normally-liquid organic compound which is non-explosive at the conditions maintained in said high pressure zone, said liquid with which the acetylene is contacted being in liquid phase and being maintained at a predetermined temperature such that the acetylene on contact therewith becomes saturated with the vapors of said normally-liquid compound in such an amount as to form a mixture of acetylene and said vapors in such predetermined ratio that such mixture is non-explosive at said normally-explosive conditions of said high pressure zone, compressing the thus-obtained mixture of acetylene and vapors of said normally-liquid compound to the pressure maintained in said high pressure zone and introducing the thus-compressed mixture of acetylene and vapors into said high pressure zone while maintaining said mixture of acetylene and said vapors in said high pressure zone and during the compression step specified at a temperature above that at which said vapors will be condensed, withdrawing a stream of acetylene and said vapors from said high pressure zone and adjusting the pressure and temperature of the thus-withdrawn stream to conditions of temperature and pressure at which acetylene is non-explosive and thereafter separating said acetylene from said normally-liquid compound.

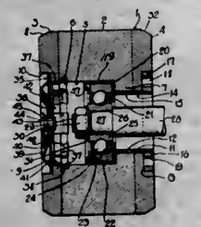
2,472,085
CARBURETOR PROCESS FOR MAKING N-VINYL COMPOUNDS
Hans Beller, Cranford, and Robert E. Christ and Fritz Wuerth, Elizabeth, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 10, 1945, Serial No. 621,621
4 Claims. (Cl. 260—315)

1. In the process of producing N-vinyl compounds wherein acetylene is introduced into a reaction zone and reacted therein, in the presence of a small amount of a compound having a strongly alkaline reaction, with an organic nitrogenous compound having a reactive hydrogen on the nitrogen thereof and selected from the group consisting of pyrrole compounds and secondary N-diarylamines known to be reactable with acetylene maintained in said reaction zone, said reaction being effected at a predetermined temperature of from 100–200° C. and a superatmospheric pressure at which the acetylene is normally explosive; the method of eliminating the danger of acetylene explosion and increasing the efficiency of the reaction which comprises contacting the acetylene which is introduced into said reaction zone while it is under non-explosive conditions of temperature and pressure with a volatile normally liquid inert organic compound which is non-explosive at said reaction conditions, said volatile normally liquid organic compound with which the acetylene is contacted being in liquid phase and being maintained at such a predetermined temperature that the acetylene becomes saturated with the vapors of said normally liquid organic compound in such an amount as to form a mixture of acetylene and such vapors in such a predetermined ratio that said mixture is non-explosive at said normally explosive reaction conditions, adjusting the pressure and temperature of the thus-formed mixture to these normally explosive reaction conditions, introducing the thus-obtained mixture into said reaction zone while maintaining it at a temperature above that at which said vapors will condense and therein effect the desired reaction between the acetylene and said organic nitrogenous compound and recovering the thus-obtained N-vinyl compound.

2,472,086
CARBURETOR PROCESS FOR ACETYLENE REACTIONS
Hans Beller, Cranford, and Robert E. Christ and Fritz Wuerth, Elizabeth, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 10, 1945, Serial No. 621,622
6 Claims. (Cl. 260—468)

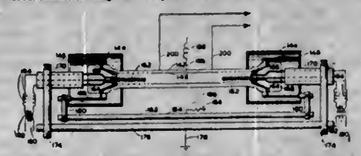
1. In a process of producing vinyl esters wherein acetylene is introduced into a reaction zone and reacted therein with an organic carboxylic acid maintained in said reaction zone under elevated conditions of temperature and pressure at which the acetylene is normally explosive, the method of eliminating the danger of acetylene explosion which comprises contacting the acetylene which is supplied to said reaction zone while it is under non-explosive conditions of temperature and pressure with a volatile normally liquid organic compound selected from the group consisting of volatile organic liquid diluents which are inert in said reaction and volatile organic acids employed in said reaction, said contacting being effected while said volatile normally liquid organic compound is in liquid phase and is maintained at such a predetermined temperature that the acetylene on contact therewith becomes saturated with the vapors of said volatile normally liquid organic compound in such an amount as to form a mixture of acetylene and such vapors in such predetermined ratio that said mixture is non-explosive at said normally explosive reaction conditions, adjusting the pressure and temperature of the thus formed mixture to said normally explosive reaction conditions, introducing the thus obtained mixture into said reaction zone while maintaining it at a temperature above that at which said vapors will condense and therein effecting the desired reaction between said acetylene and said organic carboxylic acid to produce a vinyl ester and recovering the same.

2,472,087
ROLLER SKATE WHEEL HUBCAP
Carroll M. Bierman, Franklin Square, N. Y., assignor of one-half to Frank J. Wagner, Franklin Square, N. Y.
Application September 12, 1945, Serial No. 615,778
2 Claims. (Cl. 301—108)



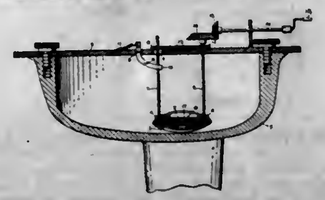
1. A roller skate wheel comprising a tread having a central chamber, there being an annular recess at the outer end of said central chamber and an inner annular recess spaced from said outer annular recess, an ornamental cap including a base disk positioned in said outer annular recess, an ornamental disk having a concave polished face, there being ornamental stones mounted in said concave face, a spider having spring fingers, and a rivet securing the ornamental disk, base disk and spider to one another, the spring fingers entering said inner annular recess and resiliently anchoring said ornamental cap in place with the outer face of the cap flush with the outer face of the wheel.

2,472,088
OSCILLATOR TUBE
Clarence A. Boddie, Belmar, N. J.
Application June 18, 1943, Serial No. 491,374
24 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



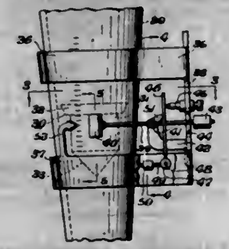
22. A very high frequency oscillator comprising first and second parallel closely spaced conductors, opposite ends of the first conductors including means constituting grids, opposite ends of the second conductors including means constituting anodes, two cathodes respectively positioned near said grids and on the opposite ends thereof from the anodes, enclosure means for maintaining the cathode-anode electron paths evacuated and air tight, supporting means for the first conductor comprising third and fourth conductors passing through said enclosure means and connected to and supporting opposite ends respectively of the first conductor, a grid-to-grid current path external to the enclosure including tuning means therein for varying the frequency of the oscillator, said grid-to-grid current path being connected between the outer ends of the third and fourth conductors, a conductor for connecting the cathodes together, and a source of high potential direct current impressed between the cathodes and said second conductor.

2,472,089
COIL WINDER
Linn S. Brennan, Dayton, Ohio
Application April 3, 1945, Serial No. 586,425
12 Claims. (Cl. 242—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, in an antenna wire winding device, an antenna loop housing, a plate removably mounted on the base of said loop-housing, parallel shafts journaled therein and provided with spaced friction driving cylinders, means for driving both said cylinders in opposite directions and means for yieldingly urging one of said cylinders toward the other during the driving operation.

2,472,090
FLOW-ACTUATED VALVE
Nathaniel Brewer, Hatfield, Pa., assignor to Fischer & Porter Company, Hatboro, Pa., a corporation of Pennsylvania
Application November 23, 1943, Serial No. 511,493
14 Claims. (Cl. 137—152)



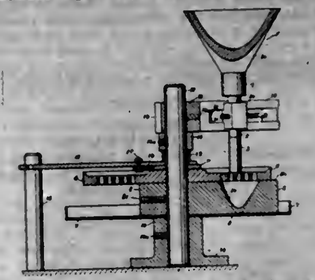
1. A device of the character described comprising a vertical tube, a float within said tube, said tube and float being so constructed and arranged that the float will assume definite positions, respectively, for each different rate-of-flow of fluid through said tube, a supply-and-waste type air valve including a nozzle and a flapper, a balanced lever mounted adjacent said tube and adjustable vertically therealong, means creating a magnetic couple intermediate said float and one end of said lever, the lever, lever mounting and magnetic couple being so arranged that said lever mounting may be adjusted to position said lever horizontally for any desired position of said float, vertical movement of said float from said desired position causing tilting of said lever, and means for causing relative movement of said flapper and said nozzle responsive to tilting of said lever, the air pressure within said nozzle varying generally according to the angle of tilt.

2,472,091
BORE SIGHT FOR INSERTION IN THE BREECH CHAMBER OF GUNS TO PROVIDE OVERLAPPING IMAGES OF MUZZLE PORTIONS OF THE GUN BORES
Leo H. Brown, Glenville, Conn.
Application May 23, 1944, Serial No. 536,933
5 Claims. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A bore sighting device comprising a disc adapted to fit within the breech portion of a gun transversely across the longitudinal axis of the bore of said gun, there being spaced sighting apertures in said disc, each adapted when said disc is in said breech portion, as aforesaid to define a line of sight parallel to said axis and closely adjacent a respective element of the surface of said bore, an optical prism carried by said disc having parallel end faces extending at 45° across the respective lines of sight, one of said faces being partially reflecting and the other of said faces being totally reflecting, and a complemental prism secured to said partially reflecting face, whereby overlapping views of spaced portions of said bore surface at the muzzle of a gun may be afforded at an observing position at the breech thereof.

2,472,092
DISPENSING AND MEASURING DEVICE
Alvin A. Campbell, Hackettstown, N. J.
Application April 8, 1942, Serial No. 438,960
7 Claims. (Cl. 222—264)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a material dispensing apparatus, a disk having a plurality of series of holes therethrough, each hole of a series being disposed equidistant from the center of the disk, adjacent disk holes of a series being displaced an equal angular distance, a ratchet wheel having teeth displaced said equal angular distance mounted on the disk, a spindle, means for rotatably mounting the disk about the spindle, a cross head above the disk and extending outwardly from the spindle, filling apparatus radially adjustable on the cross head whereby the holes of a given series may be filled, a tube forming a part of the filling apparatus and abutting the upper disk surface on a ground fit, a shoe having an exposed surface which engages the lower disk surface on a ground fit and provided with a passageway mouth, said passageway mouth extending radially to include radially aligned holes in adjacent series and extending circumferentially somewhat less than said angular distance.

2,472,093
CLEANING TOOL FOR TUBES
Charles E. Cournoyer, Port Washington, and Robert R. Charron, New York, N. Y.
Application January 16, 1946, Serial No. 641,552
5 Claims. (Cl. 15—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A tool for swabbing a longitudinal bore surface formed internally of a body comprising a relatively long shaft having at one end a shank adapted for connection to a source of power for actuating said shaft and at its other end having rigidly attached thereto a transverse member having a periphery, multiple clamps mounted peripherally on said member, multiple swabbing elements detachably secured to said member by

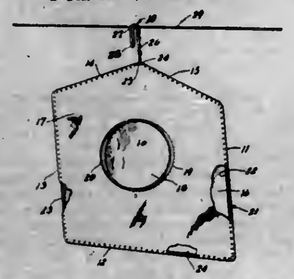
said clamps, said swabbing elements being mounted to protrude beyond the periphery of said member, a hanger disposed adjacent said member for supporting said shaft centrally relative to the bore comprising a collar fitting loosely about said shaft, a radially extending web formed integrally with said collar and a longitudinally extending T-head formed integrally with the end of said web remote from said collar and adapted for contact with the body, said T-head having scraping edges formed on opposite ends thereof, an adjustable collar on said shaft disposed on the side of the hanger opposite from the transverse member and adapted to be locked to said shaft to limit the distance said hanger collar may slide relative to said shaft in a direction away from said member, and a second hanger similar to said first hanger and disposed on said shaft on the side of said adjustable collar away from said first hanger.

2,472,094

CLOTHESPIN SACK

Florence E. Cowles, New Braunfels, Tex.

Application April 2, 1946, Serial No. 658,925
1 Claim. (Cl. 150—1.8)



A clothespin sack comprising a pair of substantially rectangular and flexible walls secured to each other along their marginal edges, an entrance mouth provided in one of said walls at substantially the center thereof, a resilient band reinforcing said entrance mouth, an undulated wire interposed between said walls and having a plurality of peaks, said peaks engaging said walls adjacent the marginal edges thereof for retaining said walls in an extended and spaced position relative to each other, a wire member including a substantially U-shaped member having its leg portions twisted, said U-shaped member being bent intermediate its leg portions and its web portion to provide a hook, the leg portions of said U-shaped member being elongated to provide hanger arms extending between said walls, said walls having an opening therebetween through which said hook projects outwardly of said walls, and a cross brace between said hanger arms.

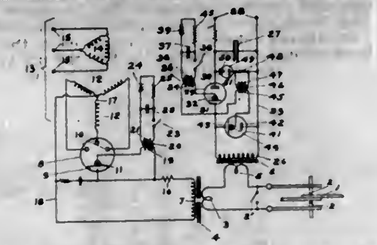
2,472,095

RESISTANCE WELDING SYSTEM

John W. Dawson, Auburndale, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application September 10, 1940, Serial No. 356,146
30 Claims. (Cl. 219—4)

1. In combination, an inductance, a load circuit operatively related thereto, means for supplying a magnetomotive force to said inductance to store energy in said inductance by setting up magnetic flux, means for supplying an auxiliary magnetomotive force to said inductance to maintain said flux and for simultaneously cutting off said first-named magnetomotive force, and



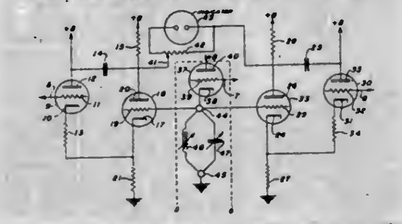
means for causing said auxiliary magnetomotive force to decrease to cause collapse of said flux and delivery of said energy to said load circuit.

2,472,096

RADIO-FREQUENCY TESTING CIRCUIT

Charles E. Dennis, United States Navy

Application March 1, 1946, Serial No. 651,415
7 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a radio-frequency testing circuit, the combination comprising a pair of amplifying tubes each having a cathode, a control grid, and a plate circuit; a pair of vacuum tubes each having a cathode, a grid, and a plate, the cathodes of said vacuum tubes being resistance coupled to the cathodes of said amplifying tubes, respectively; a direct-current indicator connected between said plate circuits and responsive to the difference in currents therein; a third vacuum tube having a plate, a grid, and a cathode connected to the grids of said amplifying tubes; a source of three alternating voltages of the same frequency and two having the same amplitude, the third voltage having a phase angle which bisects the phase angle between the said two voltages; means for feeding the said two voltages to the grids of said pair of vacuum tubes, respectively; means for feeding the third voltage to the grid of said third vacuum tube; and test terminals in series with the plate to cathode circuit of said third vacuum tube adapted for connecting thereacross an impedance network to be tested.

2,472,097

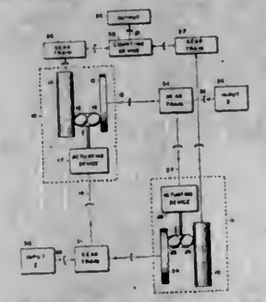
MULTIPLYING MECHANISM

Charles H. Doersam, Jr., Palisade, N. J.

Application February 15, 1946, Serial No. 647,983
3 Claims. (Cl. 74—675)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A multiplying system for obtaining an output quantity proportional to the product of two input quantities, comprising; means receiving the

input quantities, a first variable ratio drive mechanism responsive to the first of said input quantities for producing a first result quantity proportional to the first input quantity, said first variable ratio drive mechanism also responsive to the second input quantity for controlling the proportion by which the first input quantity is changed in the first variable ratio drive mechanism, a second variable ratio drive mechanism responsive to the second of said input quantities for producing



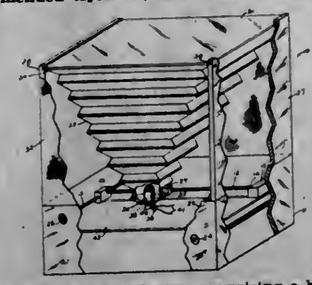
a second result quantity, proportional to the second input quantity, said second variable ratio drive mechanism also responsive to the first input quantity for controlling the proportion by which the second input quantity is changed in the second variable ratio drive mechanism, and counting means combining the first and second result quantities to produce an output quantity proportional to the sum of the first and second result quantities.

2,472,098

NAVIGATIONAL MAP PROJECTION DEVICE

Richard L. Duncan, West Lafayette, Ind.

Application May 28, 1946, Serial No. 672,901
2 Claims. (Cl. 88—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A navigational device comprising a housing, a translucent screen secured at one end of said housing, a micro-film positioned parallel to said screen near the other end of said housing, a screw shaft journaled in said housing along one side thereof, a variable speed reversible motor adapted to rotate said screw shaft, a splined shaft driven by a similar motor and journaled in said housing at the other side thereof parallel to said screw shaft, a worm gear slidable on said splined shaft and rotatable therewith, a second screw shaft journaled at one end on an internally threaded block threadably engaged with the first-named screw shaft and drivably connected by gear at the other end to said worm gear, a second internally threaded block movable on said second screw shaft, two adjustable dials calibrated one each in longitude and in latitude secured one each to the end of said first named screw shaft and to said splined shaft, a lens system mounted on said second internally threaded block and movably positioned between said micro-film and said screen, a light source secured to said lens system and movable therewith, and remote switch means for controlling the speed and direction of rotation of said motors whereby said lens system moves between said micro-film and said screen projecting filmed data thereon.

2,472,099

RUST INHIBITING COATING COMPOSITIONS

Loy S. Engle, Harrington Park, N. J., and Walter Fikar, Jackson Heights, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application May 13, 1944, Serial No. 535,558
3 Claims. (Cl. 148—6.15)

3. A rust-inhibiting composition, consisting essentially the reaction product obtained by heating together, to about 150° C., a heat-bodied glyceride oil and an acid alkyl phosphate, dissolved in a volatile solvent, there being present from about ½ to 10% by weight of alkyl phosphate, heat-bodied glyceride oil in at least approximately as great quantity as the phosphate, but not exceeding about 30%, and 70% or more of volatile solvent.

2,472,100

BITUMINOUS MASTIC COATED METAL SHEET

William F. Fair, Jr., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware

Application November 6, 1943, Serial No. 509,302
1 Claim. (Cl. 154—45.9)



In a metal structural element having a layer of filler- and fiber-containing bituminous mastic bonded directly to metal surface of said element, the said layer of mastic and said metal element both being in sealed-in relationship to a coating of coal-digestion pitch containing heavy water gas tar heavy oil, said pitch in combination with said oil having a softening point of about 90° C. to about 150° C. and penetrations of not less than 10 at 32° F. and not more than 70 at 115° F., and the said pitch containing the said oil preventing penetration of water to the metal surface and being non-flowing at high atmospheric temperatures and being non-embrittling at low atmospheric temperatures, thereby preventing removal of said layer from said metal surface.

2,472,101

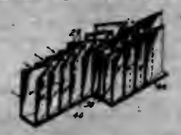
STEAM DRYING APPARATUS

Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application January 24, 1941, Serial No. 375,735
1 Claim. (Cl. 183—109)

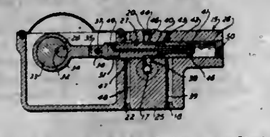
In steam generating apparatus having a drum and means for introducing steam into the drum, and means for drying the steam in the drum comprising a plurality of spaced, substantially par-

allel rows of separate vertically extending V-shaped plates horizontally spaced, with the apex edge of one plate within the area bounded by the next adjacent plate in the same row, the included angle between the legs of the plates in one row



being different from the corresponding angle of the plates of another row, the plates being disposed in the drum so that the steam to be dried flows in a substantially horizontal direction through the passages between the plates.

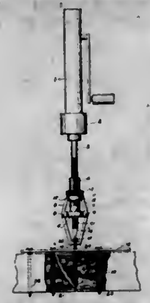
2,472,102
METERING DEVICE
Ross Lauder Fryer, Jr., Washington, D. C.
Application October 5, 1944, Serial No. 557,360
2 Claims. (Cl. 222—361)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for metering fluids supplied under pressure to said device comprising, in combination, a housing member provided with a plurality of passages including a fluid inlet, a metered fluid outlet, an excess fluid outlet, and a drain outlet, whereby fluids may enter into and be discharged from the said housing member, and a longitudinal bore formed within the said housing member communicating with each of the said passages; a plunger member reciprocable within the said bore having two chambers therein, one of the said chambers being of a predeterminable capacity and adapted to communicate with the fluid inlet passage in one position and with the metered fluid outlet in another position, and the other of said chambers being arranged to cooperate with a passage formed in the said plunger member whereby the housing member bore may be cleared of any fluid which has leaked between the said housing member and the said plunger through the reciprocating action of the said plunger; means for adjusting said predeterminable capacity of said one of the said chambers in the said plunger; and means for reciprocating the said plunger within the said bore to alternately align said one of said chambers of predeterminable capacity with the fluid inlet and the metered fluid outlet and to align said other of said chambers of said plunger with said drain outlet.

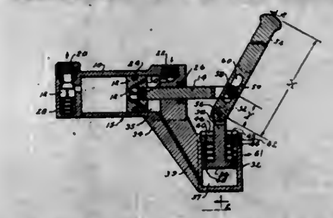
2,472,103
MODIFIED BONE SCREW HOLDER FOR SURGICAL DRILLS
Josef H. Giesen, United States Navy
Application March 13, 1945, Serial No. 582,476
1 Claim. (Cl. 145—52)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a screw holder and driver for use with a drill chuck, a shank having one end for mounting in said drill chuck and having a screw driver blade on the other end, said shank having a threaded portion intermediate its ends, an internally and externally threaded sleeve adjustably mounted on said threaded portion and having a cross-arm, a pair of levers having jaws at one end thereof pivotally mounted on the opposite ends of said arm, a knurled nut threaded on and adjustable



on said sleeve and having means for pivoting said levers to move the jaws towards each other, one of the jaws having a single groove transversely thereof and the other of the jaws being pointed so as to threadedly engage with a single convolution of thread of the threaded portion of the screw shank whereby threaded axial movement of the jaws along the shank of the screw is permitted but axial slippage of the jaws is prevented.

2,472,104
INFINITE STAGE PUMP
David Grant, Los Angeles, Calif., and Nicholas Bashark, Dayton, Ohio
Application January 3, 1947, Serial No. 719,974
1 Claim. (Cl. 103—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a device of the character described, a main cylinder, a main piston slidable axially in said main cylinder dividing said main cylinder into suction and discharge chambers, an auxiliary cylinder, an auxiliary piston slidable axially in said auxiliary cylinder, the axes of said cylinders being substantially at right angles to each other, a lever of the second class, a guide slot in said lever intermediate the ends of said lever extending lengthwise thereof, load transmitting means hinged on the outer end of said main piston slidably fitted to said slot, whereby said lever is slidable bodily endwise along said load transmitting means, a fulcrum means connecting the end of said lever to the outer end of said auxiliary piston, whereby said lever may be moved bodily by said auxiliary piston toward or away from the axis of said main piston, spring means urging said auxiliary piston axially away from the axis of said main cylinder, and a passageway connecting the high pressure side of said main piston to the inner end of said auxiliary piston.

2,472,105
EXPLOSIVE COMPOSITION
George C. Hale, Dover, N. J.
No Drawing. Application October 30, 1943, Serial No. 508,387
5 Claims. (Cl. 52—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

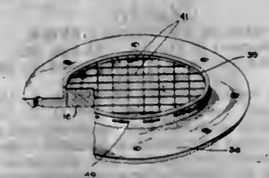
2. An explosive composition, which is sufficiently fluid at about 90–100° C. to be cast, comprising a mixture of about 58 parts of ethylenedinitramine and about 42 parts of trinitrotoluene.

2,472,106
BROAD BAND ANTENNA
William W. Hansen, Garden City, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application September 20, 1943, Serial No. 503,066
2 Claims. (Cl. 250—33)



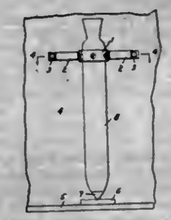
1. A radio antenna comprising a single unbroken length of wire forming a substantially U-shaped structure, said structure comprising a plurality of substantially semi-circular portions lying in spaced parallel planes and discretely faced to each other, and other semi-circular portions connecting the free ends of said first-mentioned semi-circular portions and lying in spaced parallel planes, which planes are perpendicular to said first mentioned planes, and the ends of said length of wire having electromagnetic energy fed thereto.

2,472,107
ACOUSTICAL APPARATUS
Harvey C. Hayes and Elias Klein, Washington, D. C.
Application May 6, 1936, Serial No. 78,071
18 Claims. (Cl. 181—0.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An electro-acoustical apparatus comprising in combination an electro-acoustical energy interchanging means, a fluid impervious housing for said means, said housing including a reinforced, sound window of a material having substantially the same velocity of propagation of compressional wave energy constant as sea water.

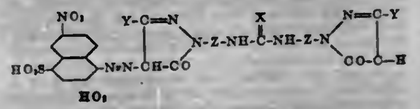
2,472,108
THRUST GAUGE FOR PROJECTILES
Clarence N. Hickman, Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War
Application November 16, 1944, Serial No. 563,738
10 Claims. (Cl. 73—167)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A pressure or thrust gage for determining the lateral thrust of a jet propelled device comprising in combination, a horizontally disposed supporting ring member fastened to a rigid support, an anvil member below said ring member, said ring member being provided with a plurality of evenly-spaced radial openings disposed in a plane substantially perpendicular to the axis of said ring member, an adjusting screw threadably engaged in each of said openings; a plunger slidably fitted in each of said openings, and a crusher element disposed within each of said openings between each of said adjusting screws and associated plungers, all adapted and arranged whereby a rocket projectile may be so disposed with the testing assembly that its nose part rests on said anvil member with a body part thereof centrally located in said ring member.

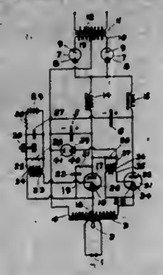
2,472,109
METALLIZABLE MONOAZO DIPYRAZOLONES
Peter Hindermann, Basel, Switzerland, assignor to J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application December 31, 1946, Serial No. 719,635. In Switzerland December 27, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 27, 1965
12 Claims. (Cl. 260—162)

7. A metallisable monoazo dyestuff which, in the free state, corresponds to the formula



wherein X stands for a metalloid of the 6th group of periodic table whose atomic weight is not less than 16 and not greater than 33, Y stands for a radical selected from the group consisting of methyl, ethyl and phenyl radicals, and Z stands for a member selected from the group consisting of p-phenylene and 4:4'-diphenylene radicals free from sulfonic acid groups.

2,472,110
CONDENSER WELDING SYSTEM
Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 1, 1940, Serial No. 316,798
18 Claims. (Cl. 219—4)



1. A welding system comprising a plurality of condensers, means for charging said condensers, a welding load circuit, means for discharging one of said condensers into said load circuit, and means which becomes active upon substantial discharge of said condenser to discharge another of said condensers into said load circuit.

2,472,111
RECOILLESS FIREARM AND AMMUNITION THEREFOR
William J. Kroeger and Clarence Walton Musser, Philadelphia, Pa.
Application February 14, 1945, Serial No. 577,830
15 Claims. (Cl. 89—1.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a recoilless firearm, the combination of a barrel, a chamber extending rearwardly from said barrel and having walls which taper outwardly through at least half the chamber's length from the diameter of said barrel's bore at the chamber's front to a substantially larger diameter at the chamber's rear, an ammunition round comprising a projectile positioned in the rear bore of said barrel and a cartridge case positioned within said chamber communicating with said projectile and containing propellent powder, a metal wall for said case forming for said powder a cylindrical enclosure of diameter approximately the same as said surrounding chamber's forward end but substantially less than that chamber's enlarged rear portion and being perforated by a relatively large number of openings distributed circumferentially and lengthwise thereof and through which powder combustion gases may expand radially into said tapered chamber thereabout, a breech block secured in the rear of said chamber and there providing an orifice which leads from the chamber's interior to the rear exterior thereof and which permits escape of powder gases in proper quantity and at proper rate to neutralize recoil, and means including said breech block for supporting said perforated cartridge case against rearward movement and in spaced relation to the surrounding walls of said tapered chamber.

2,472,112
FIREPROOFING COATING COMPOSITION
Martin Leatherman, United States Army
No Drawing. Application December 5, 1945, Serial No. 633,025
14 Claims. (Cl. 106—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A flameproof coating composition comprising essentially a chlorinated material from the group consisting of chlorinated paraffin wax and chlorinated rubber; and an N-chloro compound from the class consisting of: acetyl chloramino-2,4-dichlorobenzene; N,N' dichloro-N,N' dibenzoyl ethylene diamine; N,N' quinonedichlorimine; 2,3,5-trichlorobenzoquinone (1,4) chlorimide; 2,5-dichlorobenzoquinone (1,4) bischlorimide; N-chlorophthalimide; N,N dichloro-4-carboxybenzene sulfonamide; dichloramine T; 1,3,4,6-tetrachloro-7-methyl-8-phenyl glycoluril; N,N dichlorodimethyl hydantoin; N,N dichlorobarbituric acid.

2,472,113
CABLE END RECEPTACLE
Arthur A. Mahren, Long Island City, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 14, 1946, Serial No. 697,108
3 Claims. (Cl. 173—328)



1. A cable end receptacle comprising an insulator guide sleeve having a flaring opening in one end, a conductor element secured in said guide sleeve and having one of its ends projecting therebeyond, a terminal conductor block engaging the conductor element, a terminal insulator block secured in said terminal conductor block and a spring terminal extending through a central bore in said terminal insulator block and having end portions thereof projecting therebeyond.

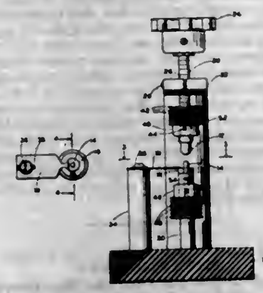
2,472,114
VISUAL TRAINING DEVICE
Herbert B. Marder, Chicago, Ill.
Application February 8, 1946, Serial No. 646,478
1 Claim. (Cl. 35—74)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a device adapted to cooperate with a projector to allow details of a projected image to change in logical sequence with the basic image remaining unchanged, the combination comprising a frame, a format frame supported by said frame, a format supported by said format frame and provided with an unchanging permanent basic image having transparent portions therein, a member rotatably mounted on the first-mentioned frame, indicia arranged and circularly spaced in logical sequence on the rotatable member and positioned to come into vertical registration with the transparent portions of the unchanging permanent basic image or outline on the format in logical succession, and cooperating stop means including an arcuate slot in the first-mentioned frame extending the length of the arcuate spacing assigned to a selected indicium,



and openings in said disc adapted for the insertion of a turning member, said openings being arranged at both sides of each indicium and spaced arcuately the length of said slot and adapted to register with the ends of said slot to limit the movement of said turning member and said disc with respect to said format for the successive alignment of selected indicia with respect to the permanent image.

2,472,115
TRIGGERED SPARK GAP
William G. Mayer, Asbury Park, N. J.
Application June 25, 1943, Serial No. 492,232
5 Claims. (Cl. 250—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



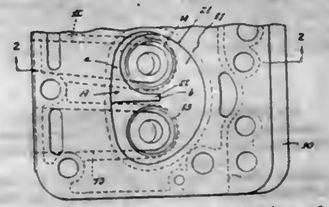
1. A triggered spark gap operable in air comprising main electrodes with a gap therebetween, a ceramic washer surrounding one of said electrodes near said gap, and a triggering electrode having its working end adjacent the aforesaid ceramic washer near the electrode carrying said ceramic washer, said working end being substantially an arc of less than 360° substantially coaxial with said last mentioned electrode.

2,472,116
SYRINGE HOLDER
Hyla F. Maynes, Miami, Fla., assignor of one-half to Emma C. Maynes, Miami, Fla.
Application October 18, 1945, Serial No. 623,085
18 Claims. (Cl. 128—218)



5. A device for operating a hypodermic syringe having a cylinder, a plunger projecting from the rear end thereof, and a needle at the front end of the cylinder; the device comprising a holder having an elongated stationary trough for engaging and supporting the syringe cylinder and forming a guide for longitudinal movement of the cylinder along the trough, the space between the trough edges being sufficiently wide to receive the syringe, an actuator in the trough movable therealong in engagement with the syringe plunger, thereby sliding the cylinder forward along the trough to project the needle, and a stop on the holder for limiting said forward sliding of the cylinder by the actuator, to cause the plunger to be moved in the cylinder by continued movement of the actuator.

2,472,117
COMBUSTION CHAMBER CONSTRUCTION
Frank McGowen and Marion C. Travis, Muskegon, Mich., assignors to Continental Motors Corporation, Muskegon, Mich., a corporation of Virginia
Application December 7, 1945, Serial No. 633,323
8 Claims. (Cl. 123—191)

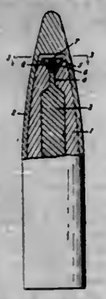


1. In an internal combustion engine of the overhead valve type, a cylinder head structure provided with a combustion chamber, intake and exhaust passages terminating respectively in intake and exhaust ports, and intake and exhaust valves respectively associated with said intake and exhaust ports and opening inwardly of said combustion chamber, and an annular baffle structure projecting downwardly from the roof of said combustion chamber and closely bounding a portion of said intake port periphery but radially spaced therefrom and from said intake valve when in open position.

2,472,118
EXPLOSIVE BULLET
Wiley T. Moore, United States Army, Laverne, Okla., and Richard N. Nelson, Black River Falls, Wis., assignors to the United States of America as represented by the Secretary of War
Application September 3, 1941, Serial No. 409,374
5 Claims. (Cl. 102—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A bullet comprising a hollow core, a main charge in said hollow core, a wedge-shaped prim-

ing chamber formed in the front end of said core and in communication with the said main charge, a priming charge in said chamber, a wedge-shaped firing unit supported in the front end of



the core, interior surfaces of the firing unit in opposed relation with the priming charge between them, a jacket snugly enclosing the core and having means adapted to cause the said surfaces to be wedged together on impact.

2,472,119
STABILIZATION OF BUTTER
William S. Mueller, Amherst, Mass., assignor to the United States of America as represented by the Secretary of War
No Drawing. Application May 31, 1946, Serial No. 673,623
16 Claims. (Cl. 99—164)

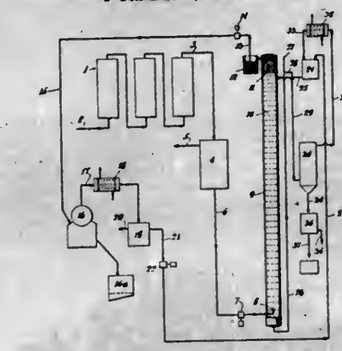
1. A composition of matter comprising a butter product, and an antioxidative rancidity-retarding and decolorization-retarding stabilizing agent comprising tetrachloro-para-benzoquinone.

2,472,120
EXPLOSIVELY ACTUATED TOOL
Ivester R. Murphy, United States Army
Application December 6, 1944, Serial No. 566,933
2 Claims. (Cl. 255—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An explosively actuated earth boring tool comprising, in combination, a driving rod, the driving rod having opposite ends, one of which is a reduced end, and a threaded portion on its opposite end, a drill point removably mounted on the reduced end of the driving rod, a cup member threadedly mounted on the threaded end portion of the driving rod, the cup member being of substantially larger diameter than the driving rod and being adapted to receive a propellent charge and a mass of tamping material, the cup member being provided with oppositely disposed holes adapted to receive a handle bar for attaching the cup member to the driving rod, a handle bar in the holes, the said handle bar having a reduced end portion adapted to fit into the drill point and an enlarged end portion adapted to form a driving head, whereby the said handle bar may be used interchangeably as a starting rod and as a handle bar, a propellant charge in the cup member, and means for igniting the propellant charge.

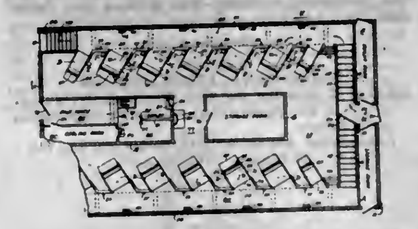
2,472,121
DECAFFEINATED SOLUBLE COFFEE
John Ornfelt, Morristown, N. J., assignor, by mesne assignments, to American Home Foods, Inc., a corporation of Ohio
Application November 14, 1945, Serial No. 628,421
6 Claims. (Cl. 99—70)



1. The process of producing soluble decaffeinated coffee, which comprises forming an aqueous extract of ground roasted coffee beans which contains at least about 40 percent by weight of soluble coffee solids comprising water-soluble and water-dispersible coffee constituents of beverage value, extracting caffeine therefrom by contact of the aqueous extract with a water-immiscible organic solvent for caffeine, effecting contact of aqueous extract and solvent until at least about 90 percent by weight of the caffeine has been removed from the aqueous extract, separating the decaffeinated aqueous extract from the caffeine-laden solvent, and freeing of residual organic solvent the aqueous coffee extract decaffeinated by contact with the organic solvent to produce soluble decaffeinated coffee.

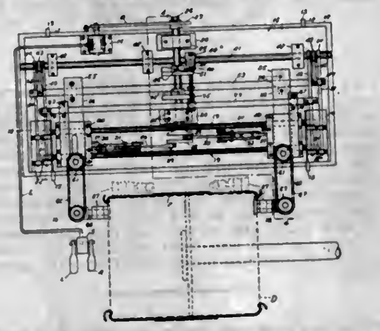
2,472,122
MILKING BARN
George J. Polivka, La Grange, Ill.; Dorothy R. Polivka executrix of said George J. Polivka, deceased
Application April 20, 1944, Serial No. 531,907
9 Claims. (Cl. 119—16)

2. A milking barn above whose floor is provided a raised aisle and a plurality of spaced side-by-side raised stalls diagonally extended from the aisle, the inner corner of one stall proximate to the adjacent stall being disposed opposite thereto at a point which is remote from the inner end of the stall last noted whereby the floor space of lower elevation between the stalls



may accommodate a pair of milking machines, each near the outer end of one stall and proximate thereto, at unequal distances from the aisle.

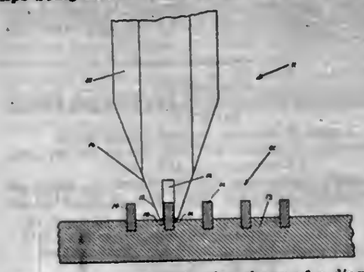
2,472,123
TIRE MAKING MACHINE
Conious E. Powers, Natches, Miss.
Application August 30, 1945, Serial No. 613,595
14 Claims. (Cl. 154—10.6)



2. In a tire making machine, a tire stitching roller mechanism for use with a tire drum comprising a roller adapted to contact the drum, a roller turning mechanism comprising a slidably mounted roller carriage, a roller carrying hub on which said roller is mounted, rotatably mounted on said roller carriage, a driving means for rotating the hub including a driving pinion gear rotatably mounted on said carriage, said pinion gear being positioned in mesh with a rack and a means for producing a relative longitudinal motion of said carriage with respect to said rack.

2,472,124
TOOL
Edmund A. Randall and Vernon B. Slifer, New York, N. Y.
Application July 13, 1945, Serial No. 604,951
1 Claim. (Cl. 78—47)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A caulking hand tool formed of a single piece only of bar-shaped material, said tool throughout the major portion of its length being of uniform cross section and forming a handle, said tool at one end being axially slotted to form a pair of spaced lips, said lips having substantially parallel opposed internal surfaces and tapered external surfaces forming each lip into a wedge shape, said lips being flattened along their edges, said edges

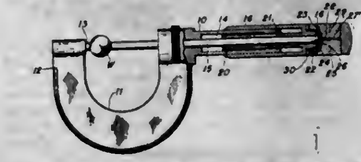


being of convex semicircular shape of a diameter substantially equal to the diameter of the handle.

2,472,125
PRINTING INKS
Charles A. Rietz, Park Ridge, Ill., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application March 2, 1945, Serial No. 580,705
2 Claims. (Cl. 260—33.2)

1. A typographic printing ink characterized by its ability to be set by the addition of water to the film and by its improved printing characteristics, which comprises pigment dispersed in a vehicle the essential binder of which is a resin comprising the condensation product of a phenol and a compound selected from the class consisting of terpene and terpineols which is soluble in a polyglycol, the resin being dissolved in a solvent of the group consisting of water-soluble polyglycols and the water-soluble monoethers thereof.

2,472,126
MICROMETER CALIPER
Hugh S. Robinson, United States Navy
Application July 30, 1945, Serial No. 607,896
1 Claim. (Cl. 33—164)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A measuring instrument comprising a U-shaped frame member, an anvil secured to one end of said frame member, an internally threaded hollow shank secured to the other end of said frame member, a plunger supported in said shank and slideable relative to said frame for effecting desired measurement, a retaining head on one end of said plunger, a rotatable thimble threadedly engaging said shank and having a threaded head whose end face forms a seat for said retaining head, a nut adjustably secured to said thimble head for retaining said plunger head against said face and having a flexible end portion forming a diaphragm, and a transparent calibrated extension secured to said nut containing a liquid chamber filled with a liquid adjacent said diaphragm

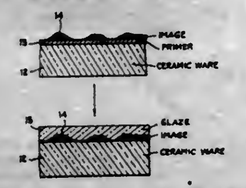
and provided with a bore through which the liquid in said chamber will be forced to an indicated level whenever predetermined pressure is exerted between said plunger and said anvil upon rotation of said thimble.

2,472,127
TEMPERATURE COMPENSATED VIBRATION PICKUP
Frank K. Slason, United States Navy
Application February 15, 1946, Serial No. 647,986
6 Claims. (Cl. 171—209)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



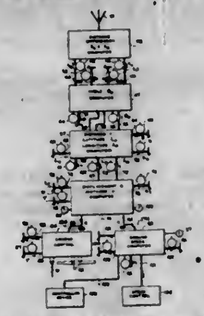
3. A temperature compensated vibration pick-up instrument comprising an annular permanent magnet resiliently mounted for limited axial displacement in accordance with the intensity and frequency of axial vibration of said instrument, and having an internally turned U-shaped axial cross-section, so as to form annular axially spaced poles, a soft iron core located centrally thereof extending between said poles, a pair of coils around said core at said poles, connected in series and wound for inducing opposite polarity by axial movement of the permanent magnet relative thereto, and a cylindrical sleeve fixed between the inner edges of said poles and having a negative temperature coefficient of permeability, for by-passing more of the magnetic flux at lower temperatures than at higher temperatures and to maintain the flux through said soft iron core substantially constant.

2,472,128
COLORING CERAMIC OBJECTS
Henry C. Staehle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 3, 1947, Serial No. 745,737
3 Claims. (Cl. 95—5.5)



1. The method of decorating ceramic ware which comprises coating ceramic biscuit with a resinous coating, then with a mixture of a bichromated hydrophilic colloid, an aqueous dispersion of a water-insoluble, soft synthetic resin of the group consisting of polymethylacrylate, polyethylacrylate, polystyrene, polyvinylidene chloride, polyvinylacetate and neoprene, said resin being capable of drying to a continuous film when the dispersion is coated on glass, and a pigment, which will be colored after firing, drying said coating, exposing said coating to an image, washing away the exposed portions of said coating to leave said coating containing pigment in the unexposed portions, and glazing and firing said biscuit to form a finished ceramic object.

2,472,129
RADIO NAVIGATION SYSTEM
Edward C. Streeter, Jr., Old Westbury, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application August 4, 1943, Serial No. 498,706
24 Claims. (Cl. 250—2)



23. In a navigation system for a dirigible craft, means for computing the latitude and longitude of said craft, means for initially setting into said system fixed quantities corresponding to the latitude and longitude of an objective and the direction of a desired ground track passing through said objective, potentiometer means for continuously supplying said system variable quantities corresponding to said latitude and longitude of said craft, and means operative in response to said variable and fixed quantities for determining the distance of said craft from said ground track.

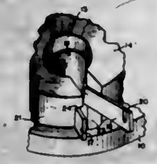
2,472,130
PROCESS FOR THE PREPARATION OF A MIXTURE OF NUCLEOTIDES CONTAINING PREDOMINANTLY ADENOSINTRIPHOSPHATE
Albert Emerich Szent-Györgyi, London, England, assignor to Science Associates Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 21, 1946, Serial No. 694,416. In Hungary August 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 14, 1964
6 Claims. (Cl. 260—210)

1. In a process for extracting a natural animal tissue containing adenosintrophosphate and related substances, a first step of treating said tissue with a liquid dehydrating agent insolubilizing protein, and a second step of preparing an aqueous extract of said tissue after separating the liquid dehydrating agent from the tissue.

2,472,131
VACUUM TUBE SOCKET
Emerick Toth, Takoma Park, Md., and George H. Burbage, Washington, D. C.
Application January 15, 1946, Serial No. 641,373
5 Claims. (Cl. 173—328)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

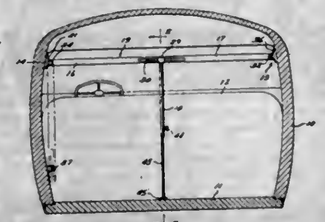
4. A tube socket comprising, a base member and pedestal having a plurality of cylindrical

apertures adapted to receive bas pins of a tube, said pedestal being slotted from each aperture to its periphery, each slot having opposed spaced wall portions, detent means in each of said slots extending from one of said wall portions toward the other wall portion, connector means positioned within each cylindrical aperture for contact with a tube base pin, each of said connector means having a cylindrical body portion with a



longitudinal opening formed therein, a longitudinal slit in one end of each said body portion at a point opposite said opening, indentations formed in said slitted end of each said body portion, and a pair of flexible arms extending radially outward from opposite edges of the opening in each said connector means through the adjacent slot in said pedestal, one of said arms being positioned by the detent means.

2,472,132
AUTOMOBILE CLOTHES RACK
William H. Walker, Alameda, Calif.
Application March 20, 1947, Serial No. 735,987
1 Claim. (Cl. 224—29)

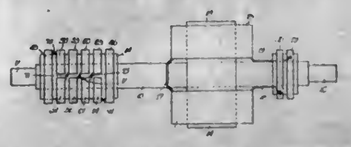


A foldable automobile clothes rack comprising brackets adapted to be connected respectively to the opposite sides of the automobile body, two rack parts connected together to be pivoted relative to one another and to be extended relative to each other for a limited distance, one of the parts being pivotally connected to one of the brackets and the other of said parts adapted to be detachably connected to the other of said brackets, said parts when not in use being adapted to be detached from the bracket at one side of the automobile body and pivoted upon one another and upon the bracket at the opposite side of the body and downwardly to extend in a vertical position and out of the way, the connection between these parts being effected by a pin extending transversely of the same, both of said parts having elongated slots at the ends where they are connected together, and said pin extending transversely through the elongated slots whereby to permit both pivotal and a longitudinal adjustment of the parts, and a standard connected to the pin and adapted to engage with the floor of the automobile body to support the rack intermediate its length, said rack parts being of channel formation and the slots extending through flange portions thereof, the one channel part adapted to be detachably connected to the bracket being smaller than the other channel part and adapted to be lifted into the larger channel part as when the parts are being folded to be located in their out-of-use position, and said standard being adapted to fit within the small channel part and be adjusted into the same as when the parts are folded together and into the out-of-use position.

2,472,133
THIOPHANTHRAQUINONE DERIVATIVES
Viktor Weinmayr, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 20, 1947, Serial No. 736,125
2 Claims. (Cl. 260—329)

1. Thiophanthraquinone-2-carboxylic acid.

2,472,134
DIRECT-CURRENT APPARATUS
Francis P. Weiss, Gary, Ind.
Application August 24, 1946, Serial No. 692,889
13 Claims. (Cl. 171—322)



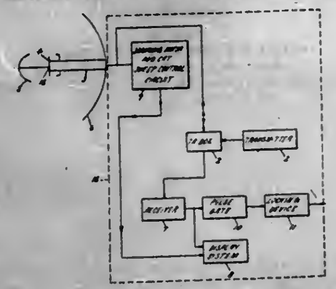
11. In direct current apparatus, in combination, open-circuit coil groups providing alternating electromotive forces, a rotor shaft journalled for rotation, collector-ring structure carried by the rotor shaft and including insulated segments disposed in rows longitudinally of the rotor shaft, each row including a plurality of segments circumferentially disposed to form gaps and which are angularly displaced as regards said rows to a predetermined extent, connecting bars electrically joining at least one segment of each row with a certain segment of another row, brushes forming terminals for the coil groups respectively and at least one brush in engagement and electrically connecting with each segment, said brushes being positioned in longitudinal rows substantially parallel with the shaft, a collector ring positioned at each end of the collector-ring structure in spaced and insulated relation with respect to the adjacent row of segments, and means electrically connecting each collector ring with a certain segment in one of the rows of segments.

2,472,135
MANUFACTURE OF CONDENSATION PRODUCTS
Charles Weizmann, London, England, assignor to Polymerisable Products Limited, London, England, a company of Great Britain
No Drawing. Application August 20, 1946, Serial No. 691,869. In Great Britain June 27, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 27, 1965
5 Claims. (Cl. 260—465)

1. A process for carrying out a condensation reaction between (a) a substance containing a group which is a member of the series consisting of methylene (CH_2) and methine (CH) groups directly linked to an unsaturated carbon atom in-

cluding a carbon atom forming part of an aromatic nucleus on the one hand and (*b*) a substance which is a member of the series consisting of α,β-unsaturated aldehydes, α,β-unsaturated ketones and esters of α,β-unsaturated carboxylic acids on the other hand, characterised by carrying out the reaction in the presence of an extremely finely divided solid complex formed from potassium hydroxide and an organic liquid having a boiling point above 100° C. and which is a member of the group consisting of acetals, ketals, and the dialkyl ethers of ethylene glycols.

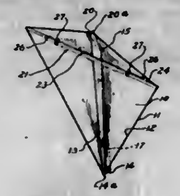
2,472,136
AIMING AND FIRE CONTROL SYSTEM
Rex S. Whitlock, Dayton, Ohio
Application January 3, 1945, Serial No. 571,189
1 Claim. (Cl. 89—28)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An aiming and fire control system for manually operated weapons comprising a first device mounted on a weapon to be fired; and a second device mounted on a friendly object; said first device comprising in combination a short range pulse modulated radio transmitter, a directional antenna system for directing the output of said transmitter toward said object and for receiving echoes and radiations therefrom, said directional antenna mounted so that its radiation axis is parallel to the bore axis of said weapon to be aimed; a radio receiver for receiving signals intercepted by said antenna; a display means including a cathode ray tube responsive to the output of said receiver for presenting a contour image of said object; electro-mechanical means responsive to a selected output of said receiver for preventing the firing of said weapon; said second device comprising electronic means for receiving said pulse modulated signals from said directional antenna and retransmitting said signals in a modified form; whereby said retransmitted signals are received by said first device and prevent the operation of said weapon when radiation from said antenna strikes said friendly object.

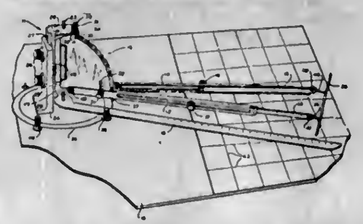
2,472,137
KITE
Edward N. Winslow, Chagrin Falls, Ohio
Application May 16, 1947, Serial No. 748,379
6 Claims. (Cl. 244—153)

1. In a kite of the type described, a polygonal flexible sheet, means for supporting the sheet in the form of a planing surface comprising a longitudinal frame member attached at its ends to the opposite most distant longitudinal extremities of the sheet, a transverse member attached at its ends to the lateral extremities of the sheet, said transverse member being disposed to the lee of the longitudinal member and translatable rear-



wardly relative to the longitudinal member when wind forces in flight urge the lateral extremities of the sheet rearwardly.

2,472,138
PLOTTER COMPUTER FOR DETERMINING SHELLFIRE POSITION
Hyam G. Yamins, Asbury Park, and Ralph L. Dunn, West Belmar, N. J., assignors to the United States of America as represented by the Secretary of War
Application May 30, 1945, Serial No. 596,714
9 Claims. (Cl. 33—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

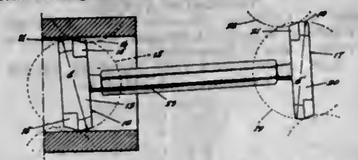


1. A plotter-computer, for determining the origin point of a trajectory where the spatial positions of a plurality of points thereon with respect to an observation post are known, comprising a plotting board having a point thereon representing the observation post, means for physically representing in a reduced scale above said plotting board the spatial positions of the plurality of trajectory points with respect to said post point, and a pointer for extrapolating said points to said plotting board to fix the origin point of said trajectory.

2,472,139
BORE GAUGE
Erik H. Aldeborgh, Poughkeepsie, and Alfred H. Emery, Wappingers Falls, N. Y., assignors to Standard Gage Company, Inc., Poughkeepsie, N. Y., a corporation of New York
Application November 3, 1944, Serial No. 561,651
11 Claims. (Cl. 33—178)

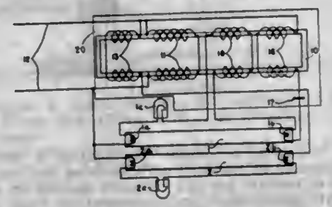
1. In a bore gage, a body comprising a substantial portion of the equatorial zone of a sphere, said body being subdivided into two diametrically opposed parts, corresponding great circle arcs of said two opposed parts constituting the gaging element, and a relieved surface adjacent to and substantially co-extensive with the

said great circle arc of each of said opposed equatorial zone parts, said relieved surface provid-



ing clearance to permit ready entry of the body into a bore to be gaged.

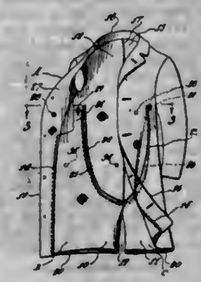
2,472,140
LIGHTING TRANSFORMER
Paul Berger, Chicago, Ill., assignor, by mesne assignments, of one-half to Hirsch Epstein and one-half to Louis R. Duman, both of Chicago, Ill.
Application August 31, 1945, Serial No. 613,779
4 Claims. (Cl. 315—97)



1. In combination with a pair of hot cathode glow discharge tubes each having cathode heating means at opposite ends thereof and each having a starting switch for connecting its heating means in series to effect starting of the tube and then opening the series connection, a transformer having a primary and a pair of secondaries, each secondary being connected in circuit to one of said tubes, a condensive reactance in circuit with one of the secondaries for power factor compensation whereby one of said tubes takes a leading current and the other tube a lagging current, and a starting coil in series connection with the starting switch of the tube taking the leading current, said starting coil and its series connected switch being connected in series with and between the cathode heating means at the ends of the tube taking the leading current, said starting coil being magnetically coupled with the primary and with its voltage additive to the voltage of the secondary in circuit with the leading tube when the starting coil is connected in circuit by its associated starting switch, said starting coil being located between the primary and one of said two pairs of secondaries.

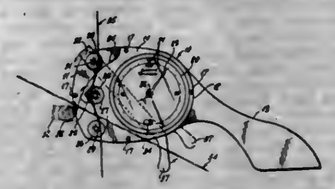
2,472,141
CONVERTIBLE GARMENT
Louis Botha, New York, N. Y.
Application February 15, 1947, Serial No. 728,778
3 Claims. (Cl. 2—86)

3. In a convertible garment of the type including oppositely disposed front portions adapted to be connected together to form a front opening and having a back formed with a slit extending from the bottom edge approximately midway to the waist of the garment, oppositely disposed integral extensions of said back projecting forwardly from the opposite edges of the slitted portion thereof, said extensions having vertically extending forward edges secured to the front portions of said garment adjacent the edges of the front opening to thereby provide spaced apart trouser leg sections on opposite sides of said slit, said sections extending upwardly to approximately the waist portion of said garment and having recessed upper edges extending from the upper end of said slit to the upper edges of said extensions with the upper ends of said recesses being located substantially midway between said slit and the forward edges of said extensions respectively, interengageable slide fastener elements



secured on the recessed edges of said leg sections for securing the same together in trouser formation and forming a crotch in the connected portion thereof adjacent said slit and interengageable fastening means on the upper portions of said extensions respectively and on the innner faces of the back of said garment and on the front portions thereof for respectively securing said trouser leg sections in an out-of-the-way position when in spaced apart uncoupled relation and in supported relation with the front of the garment when the trouser leg sections are connected together in trouser formation.

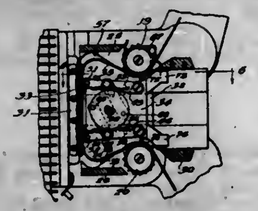
2,472,142
TENSIOMETER
Jean J. Boulin, Chatham, N. J., assignor to Boulin Instrument Corporation, New York, N. Y., a corporation of New York
Application November 8, 1946, Serial No. 708,718
5 Claims. (Cl. 73—144)



1. A one-hand tensiometer for measuring the tension in running yarns and the like comprising, in combination, a frame having forward and rearward ends, a pistol grip joined to said frame and extending from the rearward end thereof, an upwardly extending bank of at least three rotatable pulley means always located substantially in the same plane and in the vicinity of the forward end of said frame, fixed axis means rotatably

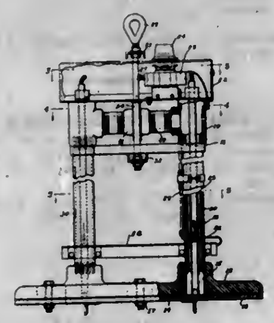
mounting the first and lowest of said pulley means on said frame, movable means rotatably supporting the second and intermediate pulley means on said frame, means biasing said movable means to a forward position while permitting it to be moved rearward under running yarn tension, indicating means on said frame comprising a series of force units indicia, indicator means for traverse of said indicating means, means for causing said indicator means to respond to movement of said movable means, a member pivotally mounted on said frame and having a free end in the vicinity of the forward end of the latter and a trigger extending below said frame forward of said grip for engagement by a finger of a hand grasping said grip, means biasing the free end of said member upwardly with said trigger in a forward cocked position whereby the free end of said member may be swung downwardly past said second pulley means to a position therebelow with rearward pull on said cocked trigger, and means rotatably supporting the third and highest pulley means on the free end of said member to be carried therewith to below said second pulley means with pull on said trigger to permit location and draft of a running yarn between said second pulley means and said first and third pulley means whereby the running yarn will be trained back and forth between said first, second and third pulley means with release of said trigger.

2,472,143
SELF-THREADING DEVICE FOR MOTION-PICTURE APPARATUS
Jack Briskin, Chicago, Ill., assignor to Revere Camera Company, Chicago, Ill., a corporation of Delaware
Application March 10, 1947, Serial No. 733,638
11 Claims. (Cl. 88—17)



1. In a motion picture apparatus having intermittent film advancing means, a film supply sprocket and a film take-up sprocket, said sprockets being disposed substantially one over the other and said intermittent film advancing means being disposed at a point between said sprockets and rearwardly thereof to provide a film path including two loop portions, the combination of a sliding member adapted, when in inoperative position, to engage a film when said film is disposed substantially vertically in front of said sprockets and adapted, when in operative position, to maintain said film rearwardly in engagement with said intermittent film advancing means, extensible means mounted on said sliding member for movement in a direction substantially transverse to the movement of said sliding member to cause said film to be disposed in said loop portions, said extensible means being retractible, and means to maintain said film out of engagement with at least one of said film feeding means until said sliding means is disposed in normal film positioning position.

2,472,144
ELECTRIC HEATER FOR SOFTENING THERMOPLASTICS
John V. Calhoun, Haverford, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 8, 1947, Serial No. 759,557
2 Claims. (Cl. 219—19)

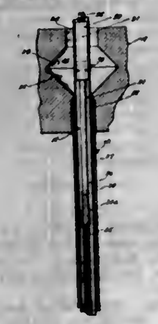


2. An electric heater comprising a platen adapted to be imposed on a body of material, a pair of electric heating elements carried by said platen constructed and arranged to heat said platen to cause said platen to impart heat to said material to melt or soften said material, a superstructure disposed above said platen and comprising a pair of ducts rising from said platen and to which said platen is connected, electric conductors for supplying electric energy to said heating elements extending through said ducts with the two conductors for each of said heating elements extending one through one of said ducts and the other through the other of said ducts and the two conductors in each of said ducts connected one to one side of the supply and the other to the other side thereby to reduce or avoid induction of current in said ducts when the heater is operated on alternating current, and thermostatic switch means responsive to the temperature of said platen to control the supply of electric energy to said heating means to avoid increase in temperature of said platen above approximately a set value.

2,472,145
MANUFACTURE OF ELECTRIC HEATERS
Charles W. Cappell, Allison Park, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 5, 1945, Serial No. 632,923
14 Claims. (Cl. 201—67)

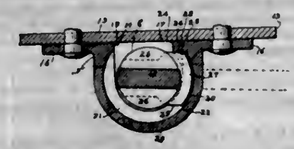
1. Apparatus for use in introducing comminuted insulating material endwise into a tubular sheath to embed a resistor disposed in said sheath, comprising: positioning means, connectable to terminal means fastened to an end of said resistor, constructed and arranged to position said resistor spaced from the inside surface of said sheath; said positioning means and said terminal means being so constructed and arranged that they are connectable and disconnectable merely by relative movement of said

means; and said positioning means being so constructed and arranged as to permit view of the



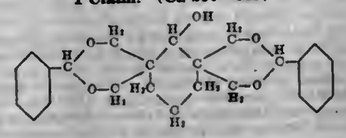
position of said terminal means relatively to said positioning means.

2,472,146
STOP FOR THE OPERATING BAR OF DOOR FASTENERS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application November 30, 1945, Serial No. 631,904
5 Claims. (Cl. 292—218)

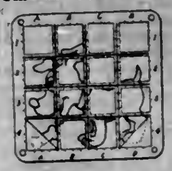


1. In a door fastener for hinged doors, the combination with a rotary operating bar having keeper engaging means thereon cooperating with fixed keepers; of a bearing block embracing the bar and rotatable therewith; a supporting guide bracket fixed to the door in which the block is rotatably supported; a stop shoulder interiorly of said bracket; and a stop projection on said block engageable with said shoulder for arresting rotary movement of the bar, the portion of said block carrying the stop projection being enclosed by said bracket.

2,472,147
DIBENZYLIDENE DERIVATIVE OF 2,2,6,6,-TETRAMETHYLOLCYCLOHEXANOL
Otis C. Dermer, Stillwater, Okla., assignor to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application August 18, 1948, Serial No. 44,987
1 Claim. (Cl. 260—338)

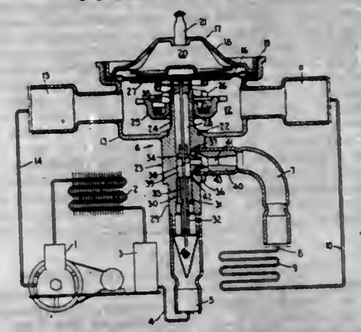


2,472,148
DEVICE FOR ENLARGING PICTURES
Anthony A. D'Orazi, Spokane, Wash.
Application June 3, 1946, Serial No. 674,079
3 Claims. (Cl. 25—26)



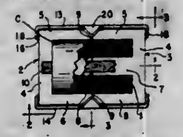
1. A device for copying original pictures and the like comprising a sheet having a transparent rectangular rim portion and transparent criss cross narrow partitions dividing the space within the rim into a plurality of smaller open areas, said partitions having opaque center lines thereon cooperating with each other and with the inner edges of the rim to delineate adjoining squares of equal dimensions, at least one corner portion of the rim being cut out on a diagonal line between the two adjacent meeting points of the nearest partitions with the rim to provide triangular open areas.

2,472,149
THERMOSTATIC EXPANSION VALVE
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application February 18, 1946, Serial No. 648,462
8 Claims. (Cl. 236—92)



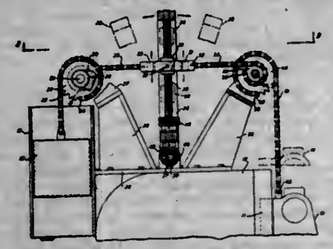
1. A thermostatic expansion valve, comprising a casing having a suction line passageway therethrough and having a second passageway intersecting said suction line passageway, said second passageway having an inlet and a valve port and having a partition therein with a guideway therethrough on the outlet side of said valve port, said casing having an outlet passageway with passageways leading thereto from said second passageway on the opposite sides of said partition, a valve member cooperable with said valve port, valve operating means responsive to changes of temperature and pressure in said suction line passageway, and a valve operating rod reciprocally fitting said guideway and said second passageway between said partition and said suction line passageway and operatively connecting said operating means and said valve member.

2,472,150
CORE CLAMP
Hirsch Epstein, Chicago, Ill., assignor, by direct and mesne assignments, to Advance Transformer Co., Chicago, Ill., a corporation of Illinois
Original application December 11, 1944, Serial No. 567,542. Divided and this application October 1, 1945, Serial No. 619,512
1 Claim. (Cl. 175—356)



In an alternating current magnetic apparatus, a magnetic core comprising two separate stacks of assembled laminations together forming a central leg and two outer legs joined by end portions, there being a non-magnetic gap between the two stacks at the middle of the outer legs of the assembly, means surrounding the central leg for setting up an alternating magnetic flux in said core, each outer leg having a clamp of metal that is substantially devoid of springiness, each clamp including a clamp body extending across the stacks of laminations and lengthwise of an outer leg of the core, each clamp body having at opposite ends thereof arms pressing the two stacks of laminations towards one another and said lengthwise extending clamp body having clamping jaws at the opposite longitudinal edges thereof and at the non-magnetic gaps of the core, said jaws being bent from the clamp body to a position extending over one of the non-magnetic gaps between the stacks and overlying the portions of the outer laminations adjacent the non-magnetic gap and firmly clamping said portions of the laminations together thereby holding said portions against vibration, each jaw being of substantially greater width along its line of bend from the clamp body than it is at the pressure engaging jaw end remote from the clamp body, the maximum length of each jaw in a direction lengthwise of the member over which it extends being substantially less than the minimum distance from the jaw to an adjacent arm of the clamp.

2,472,151
COUNTERBALANCING APPARATUS
Waldemar C. Ewaldson, Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 23, 1946, Serial No. 711,915
4 Claims. (Cl. 90—11)

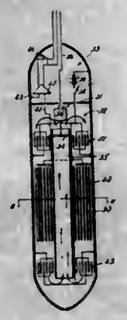


1. An apparatus for counterbalancing a movable unit variable in weight, the apparatus comprising a weight disposed at a position spaced from the unit, a frame interposed between the weight and the unit, a pivotal support for the frame, threaded elements rotatably supported in the frame, internally threaded followers on the elements, means to connect one of the followers to the unit, means to connect the other follower to the weight, and means to rotate the threaded elements to vary the positions of their followers relative to the pivotal support with variations in the weight of the unit to render the weight effective to counterbalance the unit.

2,472,152
DIESEL ENGINE FUEL
Adalbert Farkas and Arthur F. Stribley, Jr., Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application August 5, 1944, Serial No. 548,310
12 Claims. (Cl. 44—57)

1. A Diesel engine fuel consisting essentially of a Diesel engine fuel from which ignition delaying compounds have been removed and between about 0.1% and about 5% by weight of a saturated cyclic hydrocarbon hydroperoxide prepared by oxidizing a saturated cyclic hydrocarbon containing from 4 to 6 carbon atoms in the ring in the liquid phase with a gas containing free oxygen at temperatures of from 150° F. to 325° F. and at a pressure of from normal atmospheric pressure to 500 pounds per square inch gage to maintain said liquid phase, to an acid number not exceeding about 10.7 mg. KOH per ml., to produce an oxidate containing said hydroperoxide in substantial amounts and separating hydroperoxide from the oxidate.

2,472,153
METHOD AND APPARATUS FOR DETECTING RADIATIONS
Robert Earl Fearon, Tulsa, Okla., assignor to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware
Application January 13, 1945, Serial No. 572,666
12 Claims. (Cl. 250—83.6)



12. A method of detecting penetrating radiation that comprises circulating a confined ionizable medium in a closed system, subjecting the medium to the penetrating radiation to produce ionization thereof, separating the ions thus formed in accordance with their electrical mobility, collecting one group of the separated ions, and measuring the electrical current produced by the collection of the ions as a measure of the penetrating radiation that enters the ionizable medium.

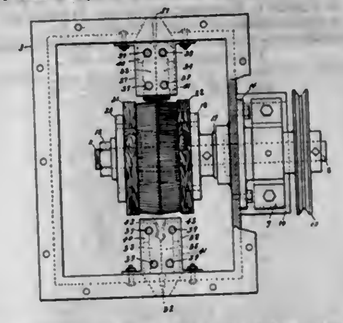
2,472,154
MATERNITY GARMENT
Grace Z. Florito, Woodhaven, N. Y.
Application December 8, 1945, Serial No. 633,754
6 Claims. (Cl. 2—74)



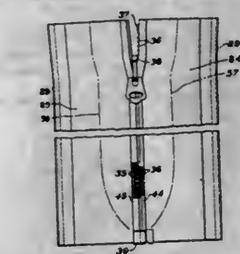
3. A maternity garment comprising a skirt portion, said skirt portion being provided at the region of the abdomen with a central portion, and a plurality of concentric annular portions of progressively increasing size about said central portion, severable means to attach said central portion to the first annular portion, and severable means to attach each annular portion to the annular portion adjacent thereto, and severable means to attach the outermost annular portion to the skirt portion, said central portion being adapted to be detached by severing the means which attaches said central portion to the first annular portion, and the annular portions being adapted to be progressively detached by severing their attaching means, whereby to provide an opening of gradually increasing size through which the abdomen of the wearer may protrude as the period of pregnancy advances.

2,472,155
MACHINE FOR CLEANING THE SURFACES OF VENETIAN BLIND SLATS
John Gaino, Cleveland, Ohio
Application October 3, 1946, Serial No. 700,974
1 Claim. (Cl. 15—77)

A device of the class described, comprising, in combination, a liquid receptacle having a slat inlet and outlet opening oppositely positioned in the wall thereof, a bracket connected to and laterally projecting from the wall thereof, the receptacle having formed in the wall above the bracket a packing recess, the inner wall of which extends into the receptacle and forms a boss therein, a packing in the recess, a removably mounted cover plate for the recess, a bearing block removably mounted on the bracket, a shaft journalled in the bearing block, its inner end portion being threaded, the shaft extending through the cover plate, the packing in the recess, then through the boss into the interior of the receptacle, but stopping short of the inner wall opposite its entry therethrough, a friction washer mounted on the shaft, a removably mounted flange mounted on the shaft, pins in and projecting from a face thereof, a circular brush having bores in the back surface thereof for the reception of the pins, a flanged spacer on said shaft, a companion brush, the flanged spacer interposed between the two brushes, the companion brush being provided with bores in its back surface, a second removably mounted flange on said shaft, additional pins in and projecting from the face thereof to engage in the bores in the back surface of the companion brush, a nut threaded on the threaded end of the shaft and adapted for effecting frictional coupling between the brushes and the spacer, removably mounted retainers in the interior of the receptacle and positioned laterally of the brushes and extending in to proximity of the periphery of the brushes, removably mounted sponge members mounted in the retainers, their contacting faces being in alignment with the inlet and outlet openings and also with the meeting faces of the brushes, a removably mounted cover for the receptacle having a filling opening therethrough, a plug to close the opening, and means to rotate said shaft.



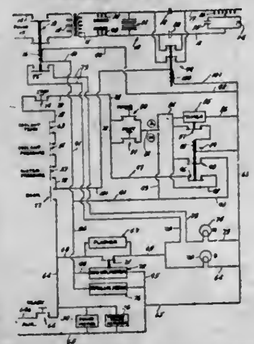
2,472,156
PANEL ACCESS-OPENING CLOSURE
Francis G. Gerber, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 23, 1946, Serial No. 711,863
12 Claims. (Cl. 244—129)



1. A separable access-opening closure for a structure, said closure comprising flexible closure panel means subject to conditions of flexure and having means for securing the same in sealing relation to the structure with said panel means overlying the access-opening, said panel means including separable fastener means for

closing and opening the same and said panel means including flexible sealing means united with said panel means at said fastener means for sealing said panel means upon closing said fastener means and for flexing directly and conformingly with said panel means under flexure thereof in the closed and open conditions of the closure.

2,472,157
CONTROL SYSTEM
George H. Gordon, Bradford Woods, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 1, 1945, Serial No. 626,147
17 Claims. (Cl. 315—361)



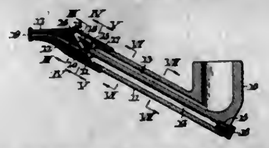
1. A control system for high frequency electric apparatus, comprising: a translating circuit; main switch means for controlling the supply of electric current to said translating circuit; spark gap means included in said translating circuit; means, including a primary fluid, constructed and arranged to cool said spark gap means; means, including an auxiliary fluid, for cooling said primary fluid; and means responsive to the pressure of said auxiliary fluid, constructed and arranged to prevent closure of said main switch means, and cause opening of said main switch means if closed, if the pressure of said auxiliary fluid is below a predetermined minimum.

2,472,158
RADIO BEACON SYSTEM
James Matthew Henry, Needham, Mass., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 26, 1940, Serial No. 347,660
9 Claims. (Cl. 343—112)



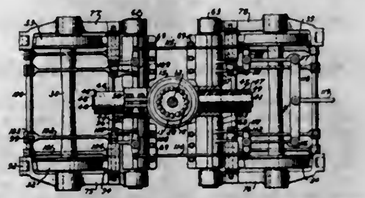
1. A radio beacon system comprising a source of oscillations, means for modulating the frequency of said oscillations continuously between predetermined limits, a first antenna of a non-directional type connected to said source of oscillations for radiating said oscillations, a second antenna of a directional type, a line connecting said source of oscillations with said second antenna, said line including a delay network interposing a delay of predetermined interval, said second antenna radiating said oscillations delayed in time with respect to the oscillations radiated by the first antenna so that both antennae will simultaneously radiate oscillations of different frequencies, the frequencies of the oscillations radiated by said antennae always differing by a predetermined amount.

2,472,159
TOBACCO PIPE
Olaf M. Ingebretsen, Prospect Park, Pa.
Application February 11, 1947, Serial No. 727,866
4 Claims. (Cl. 131—213)



1. In a tobacco pipe comprising a bowl and stem unit having connectable bores in said stem, one of which serves as the smoke-conduit from the bowl and the other as a collector-drain-off passage; the combination of a unitary mouthpiece embodying communicating bores defining an intervening dam, one of said bores leading from the smoke-conduit and the other connecting therefrom into the collector drain-off passage; means jointly defining a trap for residuum drawn from the tobacco bowl at the juncture between the stem and mouthpiece; and means defining a riser between the collector-drain-off passage and the mouthpiece smoke-duct whereby nicotine, saliva and other residuum, accumulating in said drain-off passage is positively prevented from entering the smoker's mouth.

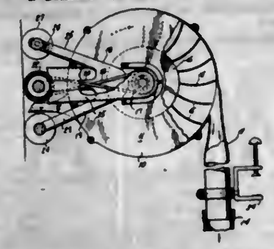
2,472,160
FLEXIBLE TRUCK FOR RAIL VEHICLES
Alvin S. Krotz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 2, 1945, Serial No. 575,772
5 Claims. (Cl. 105—182)



1. A truck for a rail-type vehicle, said truck comprising a pair of axles having rail wheels, a center bearing for pivotally supporting a car, a frame member about said center bearing, link means for suspending said center bearing from said frame member, trunnions extending longitudinally of said frame member, torsion springs about said trunnions, each of said springs comprising a housing about one of said trunnions and a body of resilient rubberlike material between said housing and said trunnion and secured

thereto, a pair of yokes each adjustably secured to one of said housings, springs secured to each yoke, each of said last named springs comprising inner and outer members and a body of resilient rubberlike material therebetween and secured thereto, one of said members being secured to the yoke, and a torsion arm secured to the other member, said torsion arm providing a bearing for one of said axles.

2,472,161
VACUUM-ACTUATED ABRADING DEVICE
Godfried Kryl, Inwood, N. Y.
Application September 13, 1945, Serial No. 616,001
1 Claim. (Cl. 51—176)



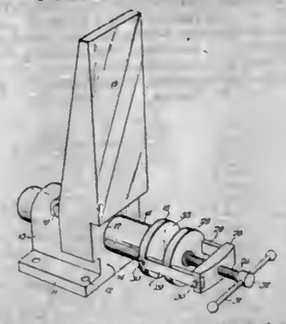
In a fluid actuated surface abrading device, comprising a substantially cylindrical casing having one of its sides removable, said casing having its diametrical dimension more than twice its axial extent and axial bearings in the sides thereof, said casing also having an inlet and an outlet peripherally connected thereto, in combination with a bladed rotor operative within the casing and supported in the axial bearings by a shaft fixed in said rotor, said casing being supported in its upright position by a pair of triple-legged brackets secured to the sides of the casing, the lower ends of said bracket legs being provided with three pairs of horizontal bearings, each pair of bearings being in axial alignment with each other, said rotor shaft extending through and beyond its bearings, one pair of bracket leg bearings being located on an axial line intermediate the axial lines of the other pairs of bearings, in combination with an abrading roller having an axial shaft fixed therein and extending through and beyond the intermediately located pair of bearings, in further combination with a pair of guide rollers having axial shafts fixed therein and respectively occupying the other pairs of bearings, one pair of bearings being adjustable to locate the abrading roller into operative relation to the surface being abraded, the shaft of the abrading roller having a driven pulley on each end thereof, each rotor pulley being in a common plane with its corresponding abrading roller pulley thereby providing for a balanced driving effect between the driving and the driven pulleys.

2,472,162
MULLION
Clarence F. Kuney, Howard J. Wurst, and Roland J. Serzow, Waukesha, Wis., assignors to Crittall-Federal, Inc., Waukesha, Wis., a corporation of Wisconsin
Application March 1, 1946, Serial No. 651,120
3 Claims. (Cl. 189—75)

2. In a mullion, the combination of a T-bar center piece having an elongated opening in its web providing an extended fulcruming surface, a clamp bar fulcrumed on said surface to engage at one end with a sash member to clamp it between said bars, and a movable member adjustably carried by the other end of the clamp bar to engage at this end with the other sash member to clamp the same between said bars.

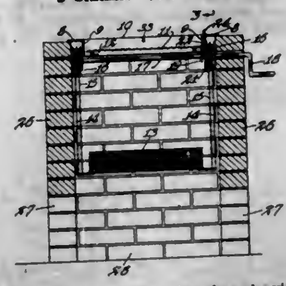


2,472,163
CONNECTING ROD ALIGNING JIG
Jewell M. Lantz, Oswego, and Edward R. Kerchal, Portland, Oreg.
Application January 30, 1946, Serial No. 644,225
3 Claims. (Cl. 153—32)



2. A device of the class described, having a combination of a standard having a face plate mounted thereon, a spindle slidably and rotatively mounted in said standard, the axis of which is normal to the surface of said face plate, means for releasably holding said spindle in a fixed relation to said standard, a vise mounted on said spindle adapted to hold the bearing end of a connecting rod within same normal to said axis while the piston on said connecting rod is opposed to said face plate and means for bending said rod while mounted in said vise.

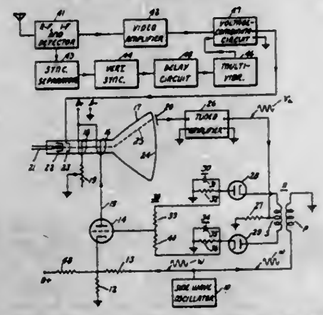
2,472,164
COOKING APPARATUS
Carl Mannheimer, St. Paul, Minn.
Application May 9, 1945, Serial No. 592,732
3 Claims. (Cl. 126—25)



1. For a combustion chamber having walls, cooking apparatus comprising, a substantially

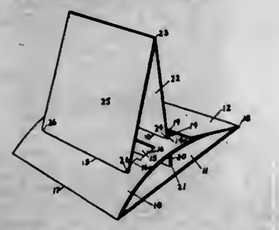
rectangular frame formed from angle bars adapted to extend horizontally on said walls and to define a top opening of said combustion chamber, said frame having horizontally extending flanges adapted to be removably supported on the walls of said chamber and substantially vertical flanges depending within said top opening, a horizontally extending grill and a plurality of reels mounted on said frame, flexible members depending from and connected to said reels to be wound thereon, a fire basket supported on the lower ends of said members and movable to and from said grill beneath the same, manually operable means for actuating said reels and means for retaining said basket at adjusted elevations.

2,472,165
AUTOMATIC FOCUS CONTROL FOR CATHODE-RAY TUBES
Arthur H. Mankin, North Merrick, N. Y., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 29, 1947, Serial No. 744,586
13 Claims. (Cl. 315—31)



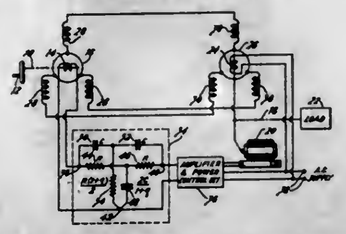
1. In a cathode-ray system; a cathode-ray tube having a screen, means for generating an electron beam, and focus-control means for said beam; and means responsive to changes in screen potential resulting substantially from changes in beam focus for developing voltages whose magnitude and phase are a function of the extent and direction respectively of the departure of the mean focus of said beam from sharp focus.

2,472,166
MAILABLE DISPLAY HOLDER
Albert Mathewson, Mount Vernon, N. Y.
Application December 10, 1946, Serial No. 715,166
5 Claims. (Cl. 40—124.1)



3. A greeting card comprising six portions attached in sequence by fold lines, said first portion having two transverse slots each having a wide part, and tabs forming a narrow part of said slots, the first and third portions overlying the second, a fourth and fifth portion having their joining fold line extending through the slot nearest the end of the strip, one of said portions having edge notches to embrace the tabs of said slot, and a sixth greeting section extending downwardly from said fifth section and having an end tab extending through said other slot.

2,472,167
FREQUENCY SENSITIVE CIRCUIT
Leslie E. Matson, Jr., Collingswood, and Robert N. Lesnick, Camden, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 13, 1945, Serial No. 582,540
8 Claims. (Cl. 318—30)



8. The combination, in an electrical control system with means for producing alternating control signals representative of a condition to be controlled by said system, of a frequency sensitive circuit comprising a network of resistive and capacitive elements only connected in series with said control-signal-producing means, said network and the values of the elements being chosen to make said network the equivalent of two T-networks in parallel, the first having two substantially equal serially-connected resistors and a shunt capacitor, and said second T-network having two substantially equal series-connected capacitors and a shunt resistor, said shunt capacitor and resistor having respective values of

$$\frac{2C}{1+q}$$

farads and

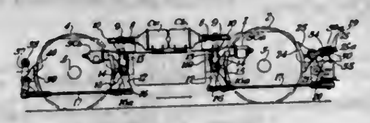
$$\frac{R(1+q)}{2}$$

ohms, where C equals the capacitance in farads of each of the series-connected capacitors, R equals the resistance in ohms of each of the series-connected resistors, and q equals a positive number greater than zero.

2,472,168
PROCESS FOR THE PREPARATION OF D-GLUCOSACCHARIC ACID
Charles L. Mehltretter, Carl E. Rist, and Benjamin H. Alexander, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application October 12, 1948, Serial No. 54,192
1 Claim. (Cl. 260—528)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

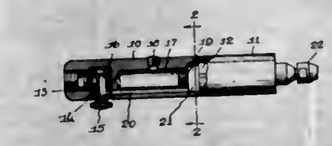
A method which comprises oxidizing glucose in aqueous medium by means of an oxygen-containing gas, in the presence of a platinum catalyst and under vigorous agitation, the hydrogen ion concentration being maintained during the reaction within the range pH 5.0 to 9.6 by the addition of a basic potassium salt and recovering the D-glucosaccharic acid as the water-insoluble potassium acid D-glucosaccharate.

2,472,169
BRAKE RIGGING
Emil G. Mueller, Churchill Borough, Pa., assignor to The American Brake Company, Swissvale, Pa., a corporation of Missouri
Application April 16, 1946, Serial No. 662,657
10 Claims. (Cl. 188—56)



1. In a brake rigging, the combination with a truck frame and a supporting wheel therefor, of a live lever carrying means for frictionally engaging the wheel pivotally supported intermediate its ends for movement toward and away from the wheel, a brake cylinder mounted on the truck frame outboard of the wheels, a horizontally disposed brake cylinder lever fulcrumed at its inner end on a fixed fulcrum and operatively connected at its outer end with said brake cylinder and operatively connected intermediate its ends with the upper end of said live lever, an automatic slack adjuster, means including an equalizer lever connecting the lower end of said live lever with said automatic slack adjuster, and means connected with said equalizer lever for frictionally engaging the wheel at the side opposite to said first mentioned means.

2,472,170
MEANS FOR SUPPLYING LUBRICATION AS A FINE MIST
William W. Nash, Salem, Wis., assignor to The Dumore Company, Racine, Wis., a corporation of Wisconsin
Application August 16, 1944, Serial No. 550,016
2 Claims. (Cl. 184—55)



1. A pneumatic tool housing comprising a section of translucent material, an air actuated motor embodying high speed rotating parts disposed in one part of said housing, a valve in said housing, a duct between said valve and said tool said duct including a passageway of comparatively small cross section and a chamber, and a reservoir having a wall of sintered iron closing one end of the same and forming a wall portion of said chamber whereby air flowing over said wall becomes charged with an oily mist.

2,472,171
METHOD FOR PRODUCING ELECTRODES FOR ELECTRIC ARCS
Marcel Victor Oswald, Paris, France, assignor to Societe Le Carbone Lorraine, Paris, France
No Drawing. Application January 30, 1947, Serial No. 725,262. In France February 9, 1946
15 Claims. (Cl. 176—133)

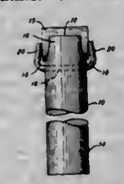
1. A method for producing electrodes for electric arcs, comprising in combination the steps of forming a paste from a solid carbonaceous matter, an organic silicon compound and an organic volatile solvent; shaping the material thus obtained; and then subjecting it to a hardening treatment.

2,472,172
HOSE CLAMP
William G. Ovens, Midland Park, and James W. McCrea, Radburn, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application September 7, 1945, Serial No. 614,868
3 Claims. (Cl. 24—27)



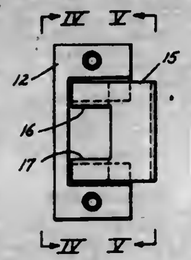
3. A hose clamp comprising a single loop of resilient wire with straight end portions, said wire loop being such that in its unstrained condition each straight end portion begins at the point the loop is completed and extends substantially tangentially from said point in a direction opposite to the direction at which the other straight end portion extends from said point, whereby said straight end portions can be pressed toward said point to spread said loop against its elasticity, the adjacent sides of said straight end portions each having a notch providing a shoulder facing a shoulder provided by the notch in the other straight end portion with each said notch having a depth gradually decreasing away from its shoulder, said facing shoulders being adapted to abut each other to limit the extent to which said loop can readily be so spread.

2,472,173
WELDING ELECTRODE
Raymond E. Powell, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 16, 1947, Serial No. 755,392
7 Claims. (Cl. 219—4)



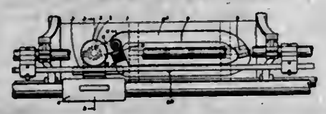
1. An electrode for welding comprising a body of conductive material having a groove substantially circular in cross-section extending at an angle relative to the centerline of the body through one end of the body, and a tip member circular in cross-section disposed in the groove and extending through the groove beyond the adjacent end of the body.

2,472,174
KEEPER FOR DOOR BOLTS
William H. Schneider, Pittsburgh, Pa.
Application February 18, 1947, Serial No. 729,342
3 Claims. (Cl. 292—340)



1. A keeper structure for door bolts, comprising a keeper plate adapted for connection flatwise to a door jamb and having a bolt-receiving opening cut therethrough intermediate its ends, from one vertical edge thereof, portions of the keeper at the vertically-spaced edges of the opening being deflected rearwardly from the plane of the plate, and a stop plate having channels formed thereon that receive and have frictional fit with said deflected portions and having an opening between said channels for the reception of a bolt.

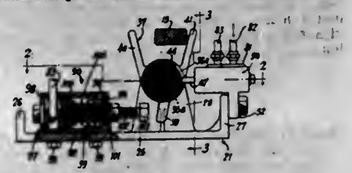
2,472,175
STRAIGHT-BAR KNITTING MACHINE
Harry Wilfred Start, Carlton, and Ernest Start, Kyiestrome, Wilford, England, assignors to William Cotton Limited, Loughborough, Leicestershire, England
Application December 11, 1946, Serial No. 715,416
In Great Britain September 4, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 4, 1965
11 Claims. (Cl. 66—126)



1. In a straight-bar knitting machine having a slurcock, draw mechanism for reciprocating it, and at least one carrier also driven by the same mechanism, the combination of reciprocatable rack for driving the carrier, a pinion meshing with the rack and bodily reciprocatable by said mechanism with the slurcock, and means for producing rotation of the pinion at least at one end of each traverse thereof and for preventing rotation during at least the major part of each traverse, thereby to produce a lead of the carrier over the slurcock.

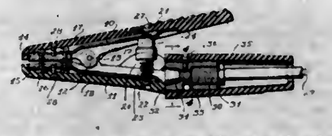
2,472,176
THROTTLE CONTROL DEVICE FOR STEAM LOCOMOTIVES
Charles Stern, Jersey City, N. J.
Application April 16, 1945, Serial No. 588,670
9 Claims. (Cl. 74—526)

1. In combination, a rotatably mounted fork having a pair of diverging fingers, an arm on said fork, a cylinder, a piston within the cylinder, means on the piston to engage said arm, means to supply compressed air to one end of the cylinder to move the piston in one direction to a predetermined position in the path of movement



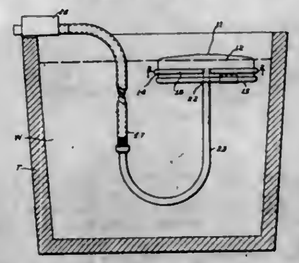
of said arm, spring means to urge the piston in an opposite direction, and means actuated by the fork to control the supply of compressed air to the cylinder.

2,472,177
WELDING ELECTRODE HOLDER
Clifford W. Taber, Pasadena, Calif.
Application September 2, 1947, Serial No. 771,641
3 Claims. (Cl. 219—8)



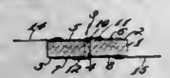
1. In a welding electrode holder, a pair of opposed jaw carrying members hingedly connected together, a compression spring between the members on the opposite side of the hinge from the jaws and urging said members to cause their jaws to clamp upon an electrode, insulating covers covering the outer and lateral sides of said members, one of said covers having side portions projecting over the sides of the spring, the opposed jaw carrying member carrying an insulating spring seat for the spring bridging the space between said portions and said opposed member.

2,472,178
ELECTRIC HEATING
Sidney J. Temple, Forest Hills, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 16, 1947, Serial No. 774,735
3 Claims. (Cl. 219—41)



1. In combination: an electric heater constructed to float on a body of a liquid and thereupon to act to maintain at least the apposite portion of the surface of said body of liquid against congealing, comprising float means constructed and adapted to float said heater on said body of liquid, electric heating means carried by said float means and having one or more active portions distributed about the periphery of said heater and adapted to impart heat to the liquid adjacent thereto, switch means carried by said float means and connected to control the flow of power to said electric heating means, and thermostat means carried by said float means and constructed and connected to control said switch means responsive to temperature of the liquid beneath and adjacent the under portion of said float means; and conductor means, adapted to be connected to a supply of electric power, and constructed and arranged thereupon to conduct power from such supply to said electric heating means under control of said switch means.

2,472,179
PIEZOELECTRIC DEVICE
Raymond W. Tibbetts, Camden, Maine, assignor to Tibbetts Laboratories, Inc., Camden, Maine, a corporation of Maine
Application June 11, 1947, Serial No. 753,840
2 Claims. (Cl. 171—327)



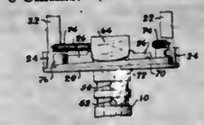
1. A piezoelectric device comprising a plate of piezoelectric material having a hole extending therethrough, electrodes mounted on opposite faces of the plate, the edges of the electrodes being offset from the edges of the hole, and a conductor for electrically interconnecting an electrode on one face of the plate with an electrode on the opposite face of the plate, the conductor comprising a plug of conducting material filling the hole and integral portions of conducting material interconnecting the ends of the plug with said electrodes.

2,472,180
FLUORESCENT INSPECTION LAMP
Harry W. Tittle, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 1, 1946, Serial No. 644,873
4 Claims. (Cl. 240—11.4)



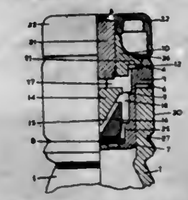
1. A fluorescent inspection lamp comprising a tube of transparent plastic material having threaded ends, a fluorescent lighting element arranged within the tube, a starter mounted within the tube at one end of the element, a closure member of transparent plastic material removably threaded to one end of the tube and having a passage therethrough for a flexible supply cable, said cable being sealed within said passage, a second removable closure member of plastic material threaded to the opposite end of said tube, a spacing tube surrounding said starter for spacing said element from the first said closure member, means at the second said closure member for holding said element, said starter, and said spacing tube against the first said closure member, said means comprising a central protuberance of the second said closure member and a resilient disc mounted between said protuberance and said element and resiliently supporting said element from said closure member, and means for sealing said closure members to said tube.

2,472,181
PROPELLER GOVERNOR
Frederick W. Werth, Jr., Clifton, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application July 7, 1944, Serial No. 543,812
8 Claims. (Cl. 264—6)



2. A speed control system for a mechanism comprising a member movable to regulate the speed of said mechanism, a spring for urging said member in one direction, a rotatable member drivably connected to said mechanism, flyweight means carried by said rotatable member and operative to urge said speed regulating member against said spring in response to the centrifugal force acting upon said flyweight means, and means operatively disconnected from said speed regulating member when the mechanism acceleration is less than a predetermined value and operatively connected to said speed regulating member at higher mechanism accelerations to urge said member against said spring with a force varying with the magnitude of said acceleration.

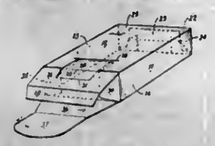
2,472,182
NONREFILLABLE BOTTLE CLOSURE
Albert Whittam, Markinch, Scotland, assignor of one-half to John Haig & Company, Limited, Markinch, Scotland, a British company
Application October 28, 1946, Serial No. 706,138
In Great Britain February 20, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 20, 1965
5 Claims. (Cl. 215—22)



1. A bottle closure comprising a tubular valve casing, an external flange on said casing, an internal annular shoulder in said casing intermediate its length, vertical ribs formed on the interior of said casing beneath said shoulder and extending downwards to the bottom of the casing, an eccentrically apertured valve seat at the bottom of said casing, a disc valve movable in said casing and arranged to seat by surface attraction on said valve seat, a weight loosely superimposed upon said valve, said weight having an inwardly tapering recess in the top thereof, a tubular nozzle in the upper part of said casing, said nozzle having an axial passage open at its outer end and closed at its inner end and said nozzle having ports in its side at right angles to

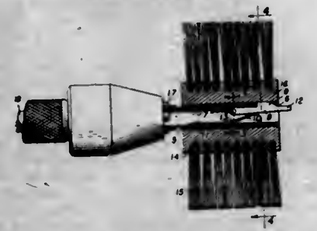
said axial passage and providing lateral connections between said axial passage and the interior of the valve casing, and a tapered bearing member at the inner end of said nozzle for co-operating with the recess in said weight.

2,472,183
CONTAINER
Marshall I. Williamson, New Haven, Conn., assignor, by mesne assignments, to National Folding Box Company, Incorporated, a corporation of Connecticut
Application October 23, 1945, Serial No. 623,977
6 Claims. (Cl. 206—45.31)



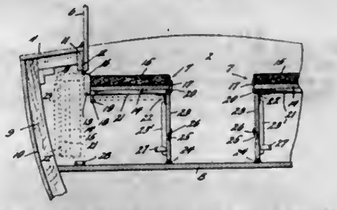
1. A folding box or carton comprising enclosing side walls, and panels forming end walls, one of said end walls comprising an inner end panel hingedly connected to one of the side walls along a fold line, said inner end panel and said one side wall having a flap cut therefrom hinged to said inner end panel providing upon folding of the flap an inspection aperture extending across said fold line; side flaps hingedly connected to side walls adjoining said one side wall; means for securing said inner end panel in carton contents retaining position; an outer end panel hingedly connected to a second side wall opposite said one side wall; an end flap, wider than said aperture, hingedly connected to said outer end panel, said outer end panel and said end flap being adapted to overlie and cover said inspection aperture, said one side wall having a slit therein extending substantially from the end edge of said cut flap, said end flap being insertable through said slit to maintain said outer end panel and end flap in aperture covering position, said slit extending beyond the width of said cut flap.

2,472,184
SNAP CHUCK
William Anest, North Platte, Nebr.
Application May 13, 1947, Serial No. 747,865
1 Claim. (Cl. 279—79)



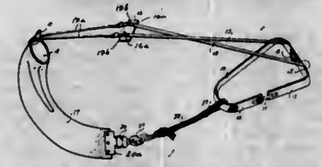
In combination with a tool hub having an axial bore and a notch formed in the bore including a shoulder; means for securing a driving shaft in the axial bore of the tool hub, said means comprising a hollow shaft open at one end, a longitudinal slot provided in said shaft adjacent the open end thereof, a pivotal latch mounted within the shaft, an outwardly projecting lip integrally formed with said latch for sliding movement in said slot, said lip including a transverse bearing edge engaging the shoulder of the notch formed in the tool hub bore to prevent rotary movement of the tool hub relative to the shaft and to hold the tool hub against longitudinal movement on the shaft in one direction, spring means fixed within the shaft for normally urging the lip outwardly from the slot, and a finger engaging lever integrally formed with the latch and projecting outwardly from the open end of the shaft.

2,472,185
SEAT FOR SMALL BOATS
Arno A. Apel, Ventnor, N. J.
Application August 17, 1945, Serial No. 610,897
4 Claims. (Cl. 9—7)



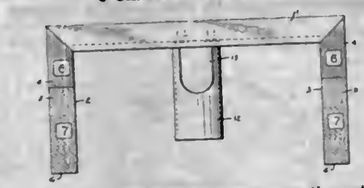
1. In a boat having a cockpit and front and rear bulkheads defining the opposite ends of the cockpit; together with oppositely arranged longitudinally extending pivotal seats having their opposite ends abutting against the adjacent bulkheads, said pivotal seats each provided with a coextensively extending front piece adapted to support the seat when in its open position, a flexible strip arranged along the lower edges of the front pieces and adapted to form a substantially water-tight connection with the floor of the cockpit to thus reduce the area of the cockpit when the seats are in their open position each seat and its front piece normally nested in a vertical position beneath the deck and capable of swinging inwardly towards each other and upwardly to a horizontal position when they are in their open position.

2,472,186
APPARATUS FOR COLLECTING URINE FROM HORSES AND OTHER ANIMALS
Gilbert Ewan Arnold, Grenville, Quebec, Canada
Application December 8, 1943, Serial No. 513,650
2 Claims. (Cl. 119—95)



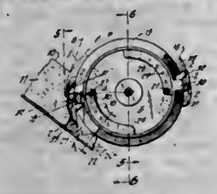
1. An apparatus for collecting urine from pregnant mares, comprising a container in the form of a bag of flexible material closed at its lower end and having an opening at its upper end, a relatively stiff shield connected to said container at one side of said opening and projecting above the opposite side of said opening, a body strap adapted to pass about a forward part of the body of the mare, means connecting said shield to said body strap to hold the upper end of said shield securely against the mare below the anus and above the urethral orifice and to hold the opposite side of said opening of the container below said urethral orifice, whereby urine enters the bag through the opening while fecal matter is excluded by said shield, and means including a rupturable section connecting the lower end of said container to said body strap.

2,472,187
INDOOR GOLF
Charley S. Barker, Ithaca, N. Y.
Application July 24, 1947, Serial No. 763,423
8 Claims. (Cl. 273—36)



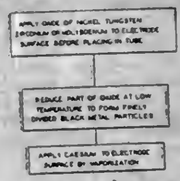
1. In game apparatus for improving the putting technique of golfers, an assemblage comprising an angular three-sided frame formed of a rear wall and wings projecting forwardly from and at substantial right angles to the end zones of such rear wall, and an open-bottom and open-ended element secured to and projecting forwardly from a mid-zone portion of the rear wall, the open front end of said element permitting passage of a putted golf ball into the element, said element having an arched top and an overall height greater than that of the rear wall, said rear wall being undercut lengthwise of the length of the wall to form a forwardly-projecting rib-like formation extending lengthwise of the upper zone of such rear wall to thereby brake or snub a golf ball driven into contact with the rear wall by a putt stroke of the golfer, the open rear end of the element extending above the plane of the rib-formation to place the rib-formation accessible to the interior of the element and cause a putted golf ball entering the element to be subject to the braking or snubbing action of such formation to thereby control the rebound value of such entered ball.

2,472,188
ICE BREAKER
Azzel Clark Bennett, Hudson, N. Y., and Walter G. Engler, Chicago, Ill., assignors to Gifford-Wood Company, Hudson, N. Y., a corporation of New York
Application February 7, 1946, Serial No. 646,018
2 Claims. (Cl. 241—243)



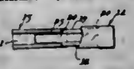
1. An ice breaker comprising the combination with a rotatable cylindrical drum, of means downwardly inclined towards said drum adapted to support a block of ice thereon so that it will slide freely towards said drum; said drum having a plurality of axially-spaced, outwardly-projecting, annular ribs thereon interrupted in two diametrically opposite zones of said drum, but being otherwise continuous, adapted to limit the approach of said block of ice towards said drum and providing continuously open spaces between said ribs for the free passage of ice particles therethrough; a plurality of ice picks disposed in two diametrically opposed groups, means detachably securing said picks to said drum in the interrupted zones of said ribs; whereby, when said breaker is in operation, said block of ice may slide into contact with the ribs on said drum in the intervals between the contact therewith of said groups of picks and thus initially present to each group a body of ice of substantial thickness to prevent gnawing away of the ice in comparatively small bits; and a toothed comb positioned below the zones of contact of said picks with said block of ice and having the toothed edge thereof disposed in radially closely spaced relation to the ribs on said drum; whereby to provide continuously open spaces adjacent said comb, partially defined by said ribs and partially defined by the teeth of said comb, for the free passage of ice particles of substantial size therethrough and for limiting the maximum size of said particles.

2,472,189
THERMIONIC TUBE HAVING A SECONDARY-EMISSION ELECTRODE
Henri Bienfait and Cornelis Frederik Veenemans, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 22, 1943, Serial No. 480,102
In the Netherlands July 3, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 3, 1961
2 Claims. (Cl. 250—174)



1. A secondary-emissive electrode for a thermionic tube having a multiplicity of parts on its surface comprised of black particles of nickel, and secondary-emissive material on the said electrode around said nickel particles.

2,472,190
NECKTIE CLASP
Francis Leo Bievenouer, Rochester, N. Y.
Application February 21, 1945, Serial No. 579,142
1 Claim. (Cl. 24—49)



A necktie clasp comprising a U-shaped outer body member having integrally formed parallel underlying spaced locking legs, an integrally formed resilient necktie-engaging finger disposed between said locking legs for attaching said

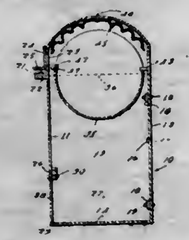
member to the front portion of a tied four-in-hand necktie, and a U-shaped inner body member having means thereon for engaging the underneath portion of a tied four-in-hand necktie formed with integral spaced inwardly extending parallel locking channels adapted to receive the locking legs of said outer body member for holding said clasp in assembled position.

2,472,191
ANIMATED CARTOON
James Carroll, Scranton, Pa.
Application December 29, 1945, Serial No. 638,292
2 Claims. (Cl. 46—36)



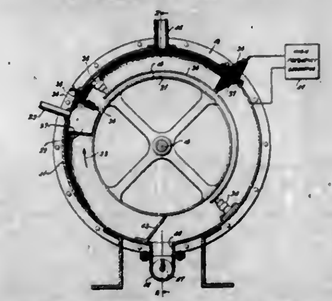
1. An animated cartoon comprising a card folded to form an underleaf and a cover, the folded edge of said card constituting a hinge, a primary picture on the inner face of said underleaf, a second picture on the outer face of said cover illustrating said primary picture in a relatively different posture, and means for opening and closing said cover to selectively expose said pictures alternately to view, said means including a flap flexibly connected at one edge to said cover in a lever-like relationship to said hinge, said flap having a center portion provided with a finger receiving aperture and an end portion folded under said center portion to form a finger rest, the finger rest sliding on the inner face of said underleaf adjacent the primary picture, the movement of said flap upon said underleaf opening and closing said cover to alternately expose said pictures to view.

2,472,192
AUTOMATIC SIGNAL MAILBOX
Robert Carter, Johnstown, Pa.
Application January 20, 1948, Serial No. 3,190
2 Claims. (Cl. 232—17)



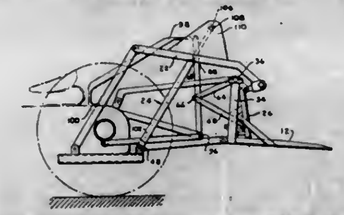
2. A signal for a slotted mail box comprising a housing with a receptacle rotatably mounted therein and having means for manually rotating the receptacle on a horizontal axis, said signal including a closed arcuate top upon the housing arched about the horisontal axis, an arcuate sonorous member secured at the intermediate portion thereof to the upper concave interior portion of the arcuate top of said housing in a substantially concentric relation to the axis of rotation of the receptacle and transversely corrugated throughout the entire extent thereof in substantial parallelism to said horisontal axis, and a clapper secured upon one portion of said receptacle in effective position to be brought successively against the corrugations of said sonorous member upon rotation of said receptacle.

2,472,193
ELECTRONIC DRYING OF FOOTS
Benjamin Clayton, Houston, Tex., assignor, by mesne assignments, to Benjamin Clayton, Houston, Tex., doing business as Refining, Unincorporated
Application October 19, 1943, Serial No. 506,899
6 Claims. (Cl. 260—412.5)



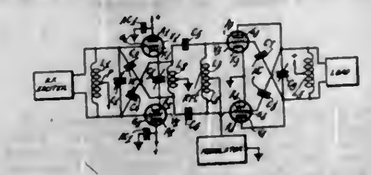
1. The process of drying foots from the refining of glyceride oils, said foots being a thick viscous organic material containing gums and also containing water dispersed therein, which process comprises, spreading said foots in a thin layer upon a supporting surface, moving said surface having said layer thereon through a drying zone, subjecting said layer while in said zone to the action of a radio frequency alternating electric field of sufficient intensity to generate heat in said foots and vaporize said water, maintaining a surface of said layer exposed to a vapor liberating space in said zone to provide for free escape of water vapor from said foots, withdrawing water vapor from said sone at a rate sufficient to produce a vacuum in said zone, and removing the resulting dried foots from said supporting surface and from said zone.

2,472,194
FARM IMPLEMENT OR LOADER
Carroll R. Cook, Lenawee County, Mich.
Application June 15, 1946, Serial No. 676,953
5 Claims. (Cl. 214—131)



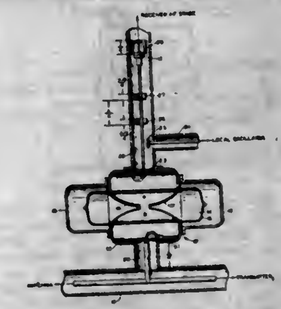
1. In a motor vehicle, a power operated loading device comprising a fork having horizontally extending tines, means for supporting said fork for vertical bodily movement with the tines thereof arranged horizontally so that the fork may be inserted into a load of material, power operated means operable for elevating said fork with the load thereon, a pusher mounted for movement relative to said tines for pushing the load off the end thereof and for movement to a retracted position, means operable for actuating said pusher by said power operated means when said fork is in an elevated position, means for locking said pusher to said fork during lifting movement thereof and arranged to be released when said fork reaches the upper limit of its vertical movement, means for locking said fork against downward vertical movement when said pusher locking means is released, said locking means being constructed and arranged so that said fork locking means is released and said pusher locking means reengaged upon movement of said pusher to its retracted position, said pusher and said fork being directly connected to said power operated means by rigid actuating members whereby said pusher, said fork, and said power operated means are operable as a unit during said movement of said fork and the movement of said pusher relative to said tines.

2,472,195
ELECTRON DISCHARGE TUBE HIGH-FREQUENCY AMPLIFIER AND MODULATING CIRCUITS THEREFOR
Victor James Cooper, Writtle, and Ernest Green, Writtle, Chelmsford, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 24, 1946, Serial No. 705,264
In Great Britain December 5, 1945
4 Claims. (Cl. 332—24)



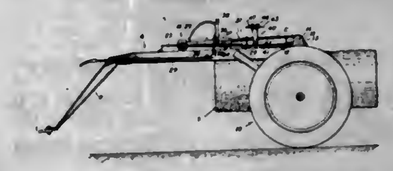
1. In an amplifier system, a source of currents of carrier wave frequency to be amplified, a pair of electron discharge tubes each having electrodes including an anode, a cathode and control grid, a parallel tuned circuit coupled to said source and connecting the control grids of said tubes in push-pull relation, couplings of low impedance to said currents of carrier wave frequency coupling the anodes of said tubes to ground, a second parallel resonant circuit coupled between the cathodes of said tubes, neutralizing capacitors cross coupling the control grids and cathodes of said tubes, a second pair of tubes each having electrodes including an anode, a cathode and a control grid, an output circuit coupled between the anodes of said last named pair of tubes, connections coupling said last named parallel resonant circuit in push-pull relation to corresponding electrodes of said last named pair of tubes, a modulator circuit coupling the control grids of said last named pair of tubes in parallel, and neutralizing apparatus connected with the control grid of each of said last named tubes.

2,472,196
TRANSMIT-RECEIVE SYSTEM
Bruce B. Cork, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application May 17, 1945, Serial No. 594,270
4 Claims. (Cl. 250—13)



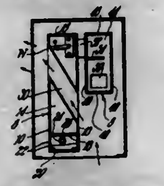
1. The combination in a transmit-receive radio system comprising a magnetron oscillator, a receiver, an antenna, a transmission line connecting said magnetron to said antenna, a stub line extending from said transmission line to said receiver, means for introducing an impedance in said stub line during the time of transmission which is very high for the fundamental frequency of the transmitted energy, and means on said stub line for attenuating the passage of energy whose frequency is the third harmonic of the transmitted energy.

2,472,197
STRADDLE-TYPE LOG HANDLING CART WITH HYDRAULIC LIFT
Thomas A. Dowd, Siler City, N. C.
Application December 3, 1947, Serial No. 789,409
9 Claims. (Cl. 214—65.3)



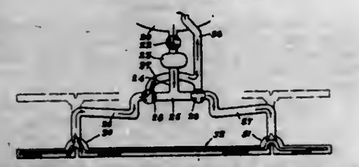
1. A log handling cart of the class described comprising a mobile frame provided on its rear end portion with rotatably mounted shaft having chain accommodating and guiding pulleys, tracks fixedly mounted on said frame, a cross-head slidably mounted on said tracks and movable toward and from said shaft, rearwardly extending, arms pivotally connected to the ends of the cross-head, a log chain having portions trained for operation over said pulleys, one end of said chain being rigidly secured to one of said arms, latch means on the remaining arm with which the remaining end of the chain is releasably connected, and a trip device mounted on said frame between one of said pulleys and the last-named arm and in the path of movement of said latch means and including a self-setting trip arm.

2,472,198
COMBINED COOKING AND AIR HEATING STOVE
Homer D. Dufault, Easthampton, Mass., assignor to Heatbath Corporation, Springfield, Mass., a corporation of Massachusetts
Application December 4, 1944, Serial No. 566,545
2 Claims. (Cl. 126—6)



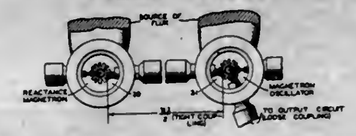
1. The combination with a range having a compartment having a flue for gases and a warm air outlet in adjacent walls thereof of a heater in said compartment comprising in combination, separate horizontally spaced primary and secondary heater compartments in the compartment of the range and spaced from the walls thereof, said heater compartments including upper and lower horizontal walls and vertical inner and outer side walls and end walls, hollow pipe connections between inner adjacent side walls of said heater compartments at upper portions thereof adjacent said end walls, the lower wall of said primary compartment provided with a longitudinal slot for a burner, the lower wall of the secondary compartment being disposed in a plane intermediate the planes of the upper and lower walls of the primary compartment, air tubes extending diagonally upwardly through said primary compartment from the inner wall to outer wall thereof having opposite ends secured to said walls, the ends of said tubes secured to the inner walls of the primary compartment disposed below the plane of the lower wall of the second compartment, the ends of said tubes secured to the outer wall of the primary compartment disposed adjacent the outlet of the range compartment, and a hollow flue connection extending from the lower portion of one end wall of the secondary compartment.

2,472,199
DISTRIBUTOR FOR BITUMEN AND LIKE MATERIAL
George M. Etnyre, Oregon, Ill., assignor to E. D. Etnyre & Co., Oregon, Ill., a corporation of Illinois
Application December 8, 1945, Serial No. 633,728
7 Claims. (Cl. 299—34)



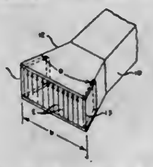
3. A distributor bar for bituminous material and the like comprising, in combination, two substantially alined sections each having a pair of contiguous flow passages, hinge means connecting said sections and providing two passages respectively connecting the passages in adjacent sections of the bar, the passages in one section communicating with each other at the ends thereof remote from the other section, inlet means communicating with one of said connecting passages, and outlet means communicating with the other of said connecting passages.

2,472,200
VARIABLE FREQUENCY MAGNETRON CIRCUIT
Edgar Everhart, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application August 8, 1945, Serial No. 609,651
9 Claims. (Cl. 332—5)



7. In combination, a first oscillating magnetron, a second magnetron tightly coupled to said first magnetron, each of said magnetrons having a cathode and an anode, said anodes having a number of cavity resonators, means to impress a variable voltage onto the cathode-anode circuit of said second magnetron, said voltage being below the "cut-off" region of said second magnetron to cause a variation in the resonant frequency of said first magnetron.

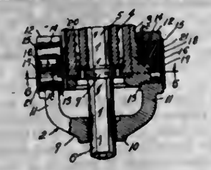
2,472,201
ANTENNA
Leonard J. Eyges, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application December 10, 1945, Serial No. 634,071
7 Claims. (Cl. 250—33.63)



1. A horn antenna, comprising two parallel electrically conductive walls and two divergent relatively narrow walls perpendicular thereto, said walls defining a tubular structure flared from a throat end to a mouth end, said throat end being adapted for connection to a transmission line, said narrow walls being formed of electrically conductive material near said throat end and of dielectric material near said mouth end.

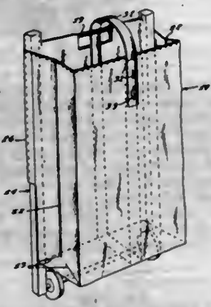
2,472,202
TOOL RETAINER
Walter D. Fish, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application June 1, 1946, Serial No. 673,819
10 Claims. (Cl. 279—19.1)

4. In combination, a support having lateral trunnions near its forward end and adapted to receive the shank of a reciprocable collared tool, a swingable one-piece retainer yoke having side arms adapted for lateral connection with said trunnions and at their rearward portions pivotally mounted on said trunnions, and yieldable means carried by said rearward portions of the side arms of said yoke for urging said side arms rearwardly into pivotal contact with said trunnions, said arms having recesses extending rear-



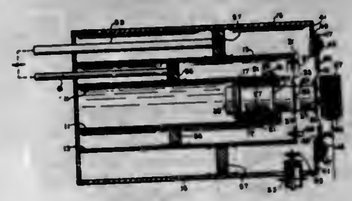
wardly of said trunnions to receive said yieldable means and laterally receiving said trunnions, said recesses having curved front walls providing rearwardly facing bearing surfaces engaging the front surfaces of said trunnions.

2,472,203
COLLAPSIBLE PARCEL CARRIER
Siegfried Friedmann and Erna Friedmann, St. Louis, Mo.
Application July 18, 1947, Serial No. 761,942
4 Claims. (Cl. 280—51)



1. A collapsible parcel carrier comprising a normally upright vertically elongated collapsible frame having ground engaging wheels at its lower end and a transverse handle at its upper end, said frame comprising substantially similar rigid upper and lower sections normally positioned in the same plane and hinged together at their connecting ends so that said lower section can be swung rearwardly relative to said upper section to lie coextensively along the back of said lower section in the collapsed condition of said sections, the meeting ends of said sections in the coplanar positions thereof abutting in a manner precluding forward swinging of either section relative to the other, spring means yieldably maintaining said sections in coplanar relation, a flexible bag on the front of said frame and extending substantially the full height of said frame, said bag being mounted on said upper section and depending freely along the front of said lower section, said bag being arranged to be folded on a transverse line adjacent to the hinge axis of said sections in a forward and upward direction on said upper section as said lower section is swung rearwardly and upwardly against the tension of said spring means, whereby the lower part of the bag lies coextensively along said upper section and said lower section lies coextensively along the back of said upper section.

2,472,204
HIGH-FREQUENCY CONCENTRIC LINE OSCILLATOR
Eugene Fubini, New York, N. Y., Hegar C. Kriegel, Houston, Tex., and John G. Stephenson, Mineola, N. Y., assignors to the United States of America as represented by the Secretary of War
Application March 1, 1946, Serial No. 651,310
4 Claims. (Cl. 250—36)

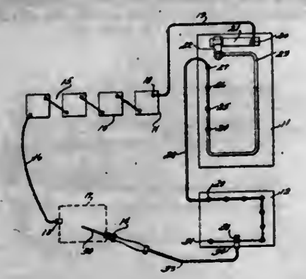


1. In an oscillation generator, first, second and third hollow metallic cylinders, said second cylinder being larger than said first cylinder, and said third cylinder being larger than said second cylinder, means positioning said cylinders in a concentric manner, a lighthouse type vacuum tube, a first dielectric means, means coupling the cathode of said vacuum tube to said first cylinder through said first dielectric means, means connecting the second cylinder to the grid of said vacuum tube, a second dielectric means, means coupling said third cylinder to the plate of said vacuum tube through said second dielectric means, first and second annular pistons, said first piston being positioned in the cavity formed by said first and second cylinders, said second piston being positioned in the cavity formed by said second and third cylinders, means allowing the driving of said pistons in an axial direction simultaneously, magnetic coupling means for coupling energy between the cavity formed by said first and second cylinders and the cavity formed by said second and third cylinders, electrostatic coupling means for coupling energy between the cavity formed by said first and second cylinders and the cavity formed by said second and third cylinders, a capacitor plate placed in the proximity of the anode of said vacuum tube, means for adjusting the proximity of said plate to said anode, coupling means inserted through said third cylinder into the cavity formed by said second and third cylinders, means for adjusting said latter coupling means in an axial direction, and means for adjusting said latter coupling means in a radial direction.

2,472,205
RHEOSTAT FOR WELDING
Paul S. Greider, Aberdeen, Md.
Application February 14, 1947, Serial No. 728,543
2 Claims. (Cl. 201—61)

1. In a welding outfit, an ampere regulator comprising an insulating plate, a plurality of spaced threaded posts mounted upon the plate and projecting above the plate, a pair of nuts arranged above the plate and carried by each threaded post, resistance devices arranged above the plate and having terminals at their opposite ends, the terminals being arranged in superposed contacting relation and arranged between the superposed nuts, a U-shaped copper clip for each threaded post and having openings near its ends to receive

the threaded post, the U-shaped clip straddling the upper nut and having its lower side contacting with the terminal of one resistance device and its upper side contacting with the upper nut, a lock nut carried by each threaded post and

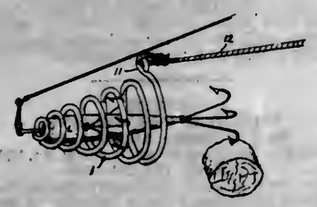


disposed above the upper side of the clip, and a slotted connector for insertion between the lock nut and the upper side of the U-shaped clip, the connector being adapted for connection with a wire and one end threaded post being adapted for connection with a wire.

2,472,206
CEMENTITIOUS REFRACTORY AND METHOD OF MAKING
Le Elsworth Greene, Muskegon, Mich.
No Drawing. Application February 28, 1948, Serial No. 12,139
2 Claims. (Cl. 106—68)

1. A compound consisting of ten (10) parts by weight of ground fire clay, one (1) part by weight of nitre cake, one (1) part by weight of salt, one (1) part by weight of silica sand, a portion of iron filings not to exceed one twentieth by weight of the fire clay, nitre cake, salt and silica sand, and a selected volume of water.

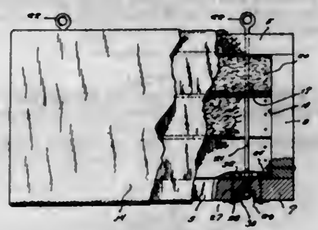
2,472,207
FISH LURE RETRIEVER
Louis M. Gundel, Chicago, Ill.
Application May 6, 1944, Serial No. 534,299
2 Claims. (Cl. 43—30)



1. A fish lure retriever comprising a single piece of wire wound spirally in spaced convolutions to form a frusto-conical shaped wire cage adapted to receive a fish line therein by passing the latter between the convolutions of the cage, each end of said wire being extended beyond the periphery of the convolution adjacent thereto for preventing escape of the fish line from within said cage.

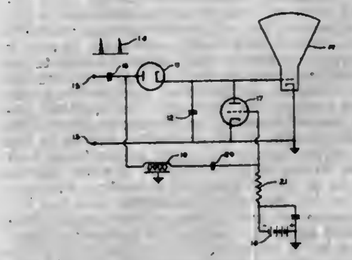
2,472,208
BACKSTOP FOR BOWLING ALLEYS
Albert B. Hackert, St. Paul, Minn.
Application March 13, 1945, Serial No. 582,536
2 Claims. (Cl. 273—53)

1. A backstop for a bowling alley comprising a unit adapted to be vertically arranged with relation to an alley and including a frame having an open center and a rigid backing therefor, said frame forming a recess forwardly of said backing, an inner sheet of flexible material completely fitting the recess and having its opposite side edges extending forwardly of said recess, each of said side edges being bent marginally so as to form a flange, a plurality of flexible separators positioned within said recess and extending forwardly of the latter, said separators being arranged in parallel spaced relation with



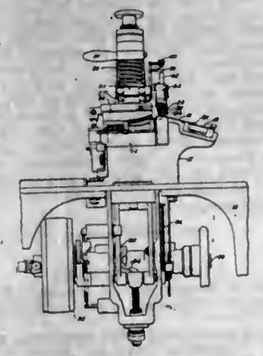
respect to each other and to the forwardly-extending side edges of said sheet and joined to the sheet to form with said side edges a plurality of independent channel-like compartments within and without said recess, filler material in each of said compartments and completely filling the latter, and a flexible cover extending over the front of said compartments and having its edges secured to said frame, the flanges on the forwardly-extending side edges of said sheet being attached to said cover.

2,472,209
CATHODE-RAY CIRCUIT
William M. Hall, Lexington, Mass.
Application September 6, 1944, Serial No. 552,923
10 Claims. (Cl. 315—22)



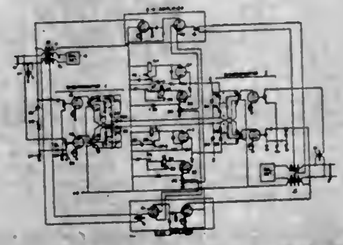
5. A pulse widening circuit comprising a condenser which may be charged by an incoming pulse, a delay network connected to said condenser to be operative after a predetermined interval, and a radio tube connected to said delay network through which said condenser is discharged after said interval.

2,472,210
MACHINE FOR ASSEMBLING AND MOLDING SHOE BOTTOM PARTS
William Henry Heggs and Harold Grimaldi Heather, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 17, 1946, Serial No. 703,870
In Great Britain April 17, 1946
17 Claims. (Cl. 12—17)



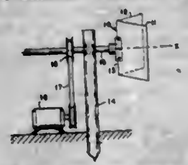
14. In a machine for pressing together two sole members and a stiffener positioned between them, a holddown for said stiffener, means for applying pressure locally to an end portion of one of said sole members comprising a presser member, a carrier on which said presser member is mounted for angular movement upon engagement with the work, means mounted on said carrier for urging said presser member angularly toward the work, means for advancing said carrier to bring said presser member into proximity to the work, and means for further actuating said carrier to advance said presser member into pressing engagement with the work.

2,472,211
ANTISINGING GAIN CONTROLLED REPEATER
Roswell H. Herrick, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 13, 1945, Serial No. 634,769
12 Claims. (Cl. 178—44)



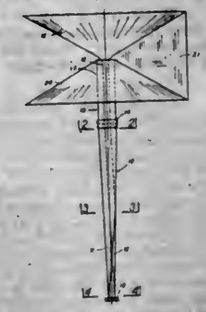
5. In a signal transmission system including a bilateral signal transmission channel, a balancing network, a three winding transformer, two voice repeaters, two of the windings of said transformer being serially connected between said bilateral channel and said balancing network, the input circuit of one of said repeaters being connected between taps on said two windings, and the output of the other repeater being connected to the third winding of said transformer, means for deriving one voltage from the bilateral channel in response to signal waves, means for deriving a second voltage from the third winding of the transformer in response to signal waves, the ratio between said two voltages being greater or less than one depending on the signal direction, and means for increasing the gain of either one of the repeaters in accordance with whether said ratio is greater or less than one.

2,472,212
METHOD OF LOCATING BEACONS
Emmett L. Hudspeth, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application July 9, 1945, Serial No. 604,027
2 Claims. (Cl. 343—5)



1. In an environment characterized by background objects that shift the polarization of a plane polarized wave a negligible amount, the method of locating a beacon reflector remotely positioned from a transmitter and disposed among said background objects, which method comprises transmitting a plane polarized wave of electromagnetic energy, shifting the plane of polarization of said energy through 90° by means of said beacon, and detecting said energy so shifted in polarization.

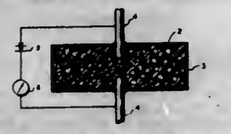
2,472,213
ANTENNA SYSTEM
George E. Hulstede, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War
Application October 3, 1945, Serial No. 620,140
6 Claims. (Cl. 250—33.63)



4. A radio frequency system comprising a biconical antenna and a transmission line electrically continuous therewith, said transmission line at the point of electrical connection with said

biconical antenna comprising a coaxial conductor, said transmission line at a point remote from said point of connection comprising a rectangular wave guide wherein two opposing sides thereof are continuous with the inner and outer conductors of said coaxial transmission line.

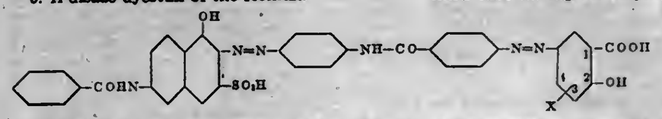
2,472,214
PRESSURE RESPONSIVE ELECTRICAL RESISTOR
Hyman Hurvitz, Washington, D. C.
Application October 22, 1947, Serial No. 781,286
8 Claims. (Cl. 201—48)



1. In combination, a mass of gas pervious electrically conductive deformable material, a pair of probes inserted therein, and a flexible sheath sealing gas within said mass of gas pervious material and preventing exit or entry of fluid therein and therefrom.

2,472,215
DISAZO DYESTUFFS AND A PROCESS FOR THEIR MANUFACTURE
Hans Ischer, Basel, Switzerland, assignor to the firm Sandos Ltd., Fribourg, Switzerland
No Drawing. Application March 8, 1945, Serial No. 581,715. In Switzerland January 26, 1944
9 Claims. (Cl. 260—177)

5. A disazo dyestuff of the formula



wherein X is in one of the positions 3 and 4 and stands for a member selected from the group consisting of hydrogen and methyl, which dyestuff dyes cotton and regenerated cellulosic fibres in red shades that become fast to washing and to light on after-treatment with copper salts.

2,472,216
WINDOW STOP
Robert J. Kasik, Chicago, Ill.
Application July 8, 1947, Serial No. 759,564
6 Claims. (Cl. 292—342)



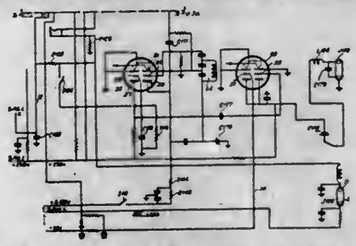
4. A window stop including a wedge-shaped resilient block and a metal channel supporting the same, said channel including a finger adapted to hold said stop in any desired position on the upper sash of a window, said stop being arranged to be wedged between the upper and lower sashes of said window when said channel is engaged by said lower sash, said channel including spurs normally held away from said upper sash by said resilient block but engaging said upper sash when said lower sash is urged against said stop with great force.

2,472,217
REFINING HYDROCARBON OILS
Eugene E. Langan, Rutherford, N. J., and Norman E. Lemmon and Frederick W. Schuessler, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application January 19, 1946, Serial No. 642,426
6 Claims. (Cl. 196—38)

1. The method of refining a viscous petroleum oil comprising treating said oil with fuming sulfuric acid, treating the acid-treated oil containing at least about 0.05% sulfur dioxide with an alkali metal hydroxide in an amount in excess of that required to neutralize the acid-treated oil, air-blowing the neutralized oil in the presence of the excess neutralizing agent, in the absence of a diatomaceous filter-aid, at a temperature of from about 150° F. to about 220° F., for a time sufficient to reduce the water content thereof to less than about 0.1%, and subsequently washing the dehydrated oil with alcohol, and treating said washed oil to remove substantially all of the alcohol therefrom.

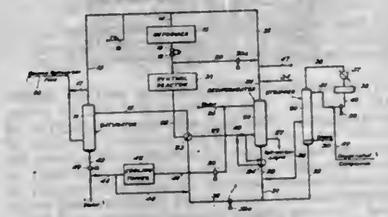
2,472,218
RADIO RECEPTION
Walter Lyons, Wenonah, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 5, 1944, Serial No. 521,174
3 Claims. (Cl. 250—20)

1. In combination, an amplifier amplifying high frequency waves modulated with code signals, a first tube having a detector section, a second tube having a relatively low frequency amplifier section and a diode detector section, a third tube having an amplifying section and an oscillator section, circuits for applying waves from the high frequency amplifier to the detector section of the first tube, circuits for applying waves from the oscillator section of the third tube to the detector section of the first tube, a circuit for applying the resultant relatively low frequency beat to the amplifying section of the second tube, means utilizing the amplified output of the amplifying section of the second tube



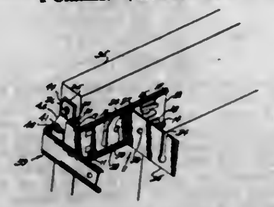
for monitoring purposes, a circuit for supplying high frequency waves to the diode section of the second tube, a resistor across which voltages are developed by rectifying action of the diode section of the second tube, and circuits for utilizing said voltages to control the amplifying section of the third tube and to automatically volume control said high frequency amplifier, and a utilization circuit coupled to the output terminals of the amplifying section of the third tube.

2,472,219
SYNTHESIS OF HYDROCARBONS
Leland R. Lyons, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application February 13, 1945, Serial No. 577,679
9 Claims. (Cl. 260—449.6)



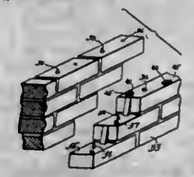
1. In a process for converting hydrocarbon gases into hydrocarbons of higher molecular weight, the steps which comprise converting a hydrocarbon gas into a mixture of gases comprising hydrogen and carbon monoxide, contacting said mixture of gases with a synthesis catalyst to produce higher-molecular-weight hydrocarbons and oxygenated compounds, partially condensing the vaporous reaction product, withdrawing oxygenated hydrocarbon compounds from said reaction product, and recycling at least a portion of said oxygenated hydrocarbon compounds to said hydrocarbon gas for reconversion to hydrogen and carbon monoxide.

2,472,220
COMBINATION SHADE AND CURTAIN ROD HOLDER
Ernest F. Lyon, Hinton, Okla.
Application April 4, 1947, Serial No. 739,285
4 Claims. (Cl. 248—252)



4. A combined shade and curtain rod holder, comprising an L-shaped base bracket for arrangement near the upper corner of a window frame, the base bracket including a foot secured to the outer vertical edge of the window frame and a generally flat horizontal portion arranged adjacent to the forward face of the window frame and extending inwardly of the foot, a generally U-shaped curtain rod bracket including a foot engaging upon the first named foot in superposed relation and secured to the vertical edge of the window frame, a neck secured to the foot of the curtain rod bracket and extending laterally outwardly of the vertical edge of the window frame and substantially parallel to the flat horizontal portion, and a substantially horizontal arm carried by the outer end of the neck and arranged substantially at right angles to the flat horizontal portion and extending forwardly thereof and constructed and arranged to support the end of a curtain rod, and an L-shaped shade bracket including a leg slidably mounted upon the flat horizontal portion and shiftable longitudinally thereof, and a forwardly projecting leg carried by the first named leg and arranged substantially parallel to the arm and constructed and arranged to support an end of a roller shade.

2,472,221
ERECTION OF BRICKWORK STRUCTURES
Ernest Goodall Malthouse, Sheffield, England
Original application May 9, 1944, Serial No. 534,761. Divided and this application July 23, 1945, Serial No. 606,488. In Great Britain April 17, 1943
2 Claims. (Cl. 72—37)

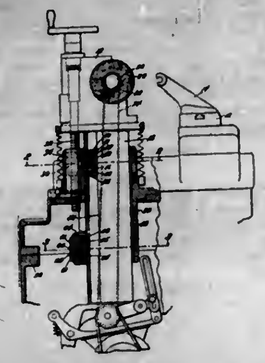


1. The method of erecting a masonry wall structure of large preformed units in simulation of individually-laid bricks or blocks, said units being laid up in the wall with plastic bonding material, said method consisting of laying a plurality of distance pieces each on a quantity of plastic jointing material placed upon a previously-laid foundation, bringing the distance pieces to a predetermined level while the jointing material remains plastic; allowing the jointing material to set; lowering preformed units vertically into position until the bases of the units rest on the distance pieces, the joint between the units thus being formed to a thickness determined by the height to which the distance pieces have been levelled; completing a whole row of such preformed units, and repeating the application of levelled distance pieces and the lowering of further preformed units upon the upper surface of the row to form another row of bevelled units, the operation being continued until the whole structure reaches the required height, the interstices between the units being filled in with plastic bonding material.

2,472,222
GRINDING MACHINE
Maxwell L. Mathewson, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application April 9, 1946, Serial No. 19,939
8 Claims. (Cl. 51—166)

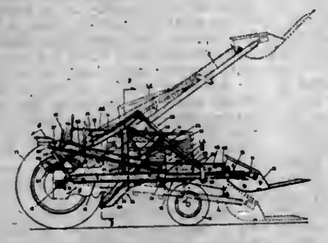
1. In a grinding machine having a base, a work support and a grinding head, a vertically adjustable supporting assembly for the grinding head, which comprises cooperating vertically disposed cylindrical post and sleeve elements relatively shiftable for vertically adjusting the position of the grinding head, one of said post and sleeve elements being formed with guide surfaces disposed at opposite sides of and extending longitudinally of the cylindrical axis, and a gibbing device comprising gibbing elements supported from the other of said post and sleeve elements

for engagement against said guide surfaces, and adjusting screws on said supporting element for



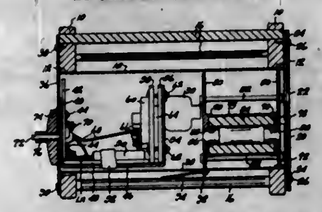
adjusting said gibbing elements transversely of the supporting element against said guide surfaces.

2,472,223
LOADER MACHINE
Eric M. McElhinney, Dysart, and Theodore A. Podhajsky, Traer, Iowa
Application December 13, 1946, Serial No. 716,132
8 Claims. (Cl. 214—141)



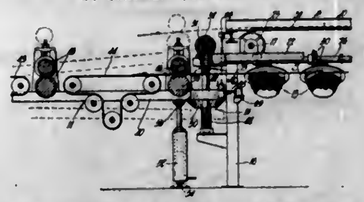
1. A loading machine including a portable frame, a pair of pivoted telescoping booms arranged at opposite sides of said portable frame having telescoping front members, first means pivotally supporting the rear ends of said booms on said portable frame, a load carrying unit mounted between the front ends of said telescoping members, a pair of forwardly extended lift members, second means pivotally supporting the rear ends of said lift members on said portable frame at a position spaced forwardly and above said first supporting means, means at the front ends of said lift members for movably supporting said booms, rearwardly extended rock arms mounted on said second supporting means for movement with said lift members, means for raising and lowering said lift members, means for moving said telescoping members in response to a pivotal movement of said lift members including upright levers on said first supporting means, first links connected between said upright levers and the free ends of said rock arms, and second links connected between said upright levers and said telescoping front members.

2,472,224
BED HEATER
Walter J. Miller, South Bend, Ind.
Application December 4, 1947, Serial No. 789,603
14 Claims. (Cl. 219—38)



1. A bed heater comprising a pair of similar end members, each having a plurality of angularly disposed flat end portions, a plurality of spaced bars connecting the marginal portions of said end members, an open ended tubular member spanning and secured to said end members in inwardly spaced relation to said bars, a pair of closures carried by said end members and spanning the ends of said tubular member, said tubular member and at least one closure having passages for air circulation through said tubular member in one or more laterally discharging predetermined paths, and an electrical heating element carried by one closure and positioned within said tubular member.

2,472,225
SHEET PILING APPARATUS
Earll R. Muddiman, Wilkinsburg, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application September 16, 1947, Serial No. 774,239
20 Claims. (Cl. 271—71)



1. A sheet piling apparatus comprising a pair of opposed series of downwardly tapering screw threaded cones, means mounting said cones for rotation on outwardly divergent axes whereby their inner opposed faces are vertical and spaced uniformly, and means for feeding sheets to the upper threads of the first cones in said series, succeeding threads of following cones having progressively diminishing diameters for carrying the sheets forward and downward at progressively diminishing forward linear speed.

2,472,226
DRIVING ARRANGEMENT FOR SPINDLES OF SPINNING AND DOUBLING FRAMES
Werner Naegeli, Winterthur, Switzerland, assignor to Actiengesellschaft Joh. Jacob Rieter & Cie., Winterthur, Switzerland
Application July 30, 1947, Serial No. 764,652
In Germany February 7, 1939
2 Claims. (Cl. 57—105)

1. A driving device for spindles of spinning and doubling frames, comprising a thin sheet

metal driving roller extending through the frame and provided with circumferential grooves, spindles on both sides of the frame, and driving

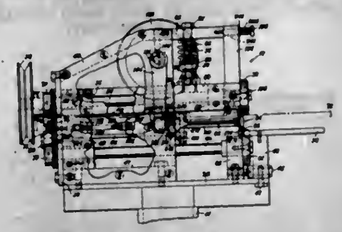


means for said spindles, the parts of said means passing from the spindles on one side to those on the other side being situated in said grooves.

2,472,227
PROCESS OF STABILIZING A CELLULOSE ETHER
Walter D. Palst, Orange, and Frank Berardinelli, Newark, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 8, 1946, Serial No. 639,910
7 Claims. (Cl. 106—197)

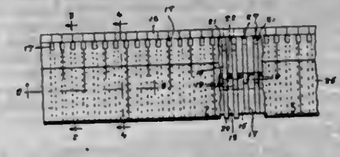
1. In a process for the production of color stable compositions of matter having a basis of a cellulose ether and substantially resistant to color changes under the action of heat or light, the steps which comprise subjecting a cellulose ether in particle form to extraction with an aqueous solution of a lower aliphatic alcohol and then incorporating a color-stabilizing agent, selected from the group consisting of octyl sulphite, decyl sulphite and triethylcitryl sulphite, with said extracted cellulose ether.

2,472,228
TRIMMING MACHINE
Hans C. Paulsen, Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 29, 1947, Serial No. 738,045
22 Claims. (Cl. 12—85)



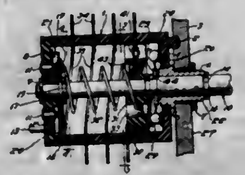
1. In a machine for simultaneously trimming right and left soles of a pair in conformity to a pattern to each side of which a sole is fixed with its margin extending beyond the edge of the pattern, opposed supports arranged to engage the margins of the soles at their outer sides, a knife having oppositely disposed blades mounted in engagement with said supports, a guide adapted to be received between the margins of the soles and to be engaged by the edge of the pattern, and means for vibrating said knife crosswise of the edge of the pattern.

2,472,229
MEASURING RULER
Dana Peterson, Oakland, Calif.
Application April 24, 1947, Serial No. 743,603
3 Claims. (Cl. 33—107)



1. A measuring ruler having top and bottom parts, and pegs extending through the top and bottom parts at different longitudinal locations there along to indicate different measurements and slidable transversely of the ruler to display a given location and said bottom part having a plurality of grooves in which said pegs are slidable and a recess having stop shoulders, and stop means on each of the pegs for limiting the extent of movement of the peg.

2,472,230
ROTARY ELECTRICAL SWITCH
Edward H. Reinschmidt, Jr., Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application March 12, 1948, Serial No. 14,557
6 Claims. (Cl. 200—158)

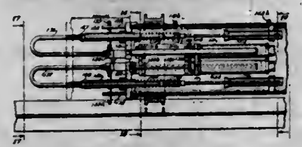


1. An electric switch comprising a cylindrical casing, a plurality of circumferentially-spaced stationary contacts carried by said casing arranged in a helical path therearound and extending inwardly thereof, a rotor drum of insulation concentrically mounted with relation to said stationary contacts interiorly of said casing, said rotor drum having a diameter approximating the internal diameter of said casing and carrying at least one wiper brush for engaging said stationary contacts as the rotor is rotated, and a single turn helical groove on the external periphery of said rotor and engaging with said contacts for subjecting said rotor to an axial feeding movement as said rotor is being rotated.

2,472,231
DRAWBENCH
William Rodder, Youngstown, Ohio, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application June 16, 1944, Serial No. 540,630
8 Claims. (Cl. 205—3)

4. In a drawbench for tubes, said drawbench having a die stand provided with a plurality of dies, a supporting frame extending in one direction from said die stand, a bed extending in the opposite direction from said die stand, and car-

riage means operating on said bed for pulling tubes through said dies; at least two groups of mandrel rods, tube supporting members associated with each mandrel rod and adapted to support the rod and a tube loaded thereon, all of the mandrel rods being substantially parallel with each other and with the center lines of said dies, rotatable means supported by said frame for moving the mandrel rods of one group into drawing position in alignment with said dies while simultaneously moving the mandrel rods of the other group from drawing position into a loading position out of alignment with said die, said rotatable



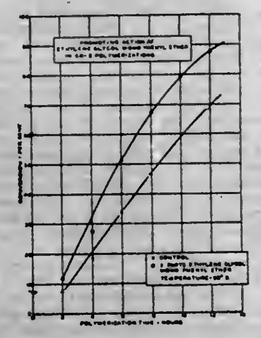
means comprising a cylindrical member surrounding said mandrel rods and extending throughout the major portion of the length thereof, said cylindrical member being supported by said frame for rotation about an axis parallel to the axes of said rods and carrying said tube supporting members and mandrel rods within it, anchor means for said mandrel rods at the end of said cylindrical member remote from the die stand, means for rotating said cylindrical member, and means mounted within said cylindrical member for shifting said anchor means and said mandrel rods toward and away from said die stand.

2,472,232

BUTADIENE EMULSION POLYMERIZATION IN THE PRESENCE OF A GLYCOL MONO-ETHER

Walter A. Schulze and Willie W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application December 26, 1944, Serial No. 569,902
11 Claims. (Cl. 260—85.5)



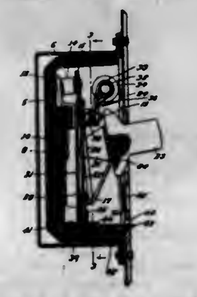
1. In a process for the polymerization of aliphatic conjugated diolefins in an aqueous dispersion containing an emulsifying agent, the improvement which comprises carrying out the polymerization reaction in the presence of a minor proportion of a glycol mono-ether as a polymerization promoter.

2,472,233

CIRCUIT BREAKER

Frank Short, Burke, Va., assignor of one-half to Louis V. Lucia, West Hartford, Conn.

Application November 17, 1943, Serial No. 510,635
3 Claims. (Cl. 200—122)



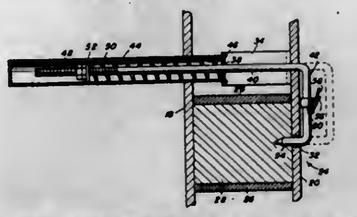
1. A circuit breaker including a casing, electric contact members mounted in said casing, a switch bar cooperating with said contact members, a carrier for said bar, a carriage pivotally supporting said carrier, a spring member connected at one end of said carrier and at the opposite end to an anchoring member movable to carry the axis of said spring across the pivotal axis of said carrier, a current carrying member responsive to an overload in said circuit for operating said anchoring means to cause said spring member to move said switch mechanism to open circuit position, a latch member having a detent for engaging said anchoring means to retain said switch mechanism in open position, means for manually operating said carriage to move the pivotal point of said carrier to the opposite side of said spring member, means operable with said carriage for moving said latch to release said anchoring means, and means urging said anchoring means toward their normal position.

2,472,234

TRUCK TAIL GATE LOCK

Harold A. Smith, Rochester, N. Y.

Application February 26, 1948, Serial No. 11,271
2 Claims. (Cl. 280—143)



1. Stake retaining means for a truck body, comprising a socket in the truck body frame to receive one end of a stake, a U-shaped latch having a longer arm and a shorter arm, a bracket on said frame mounting said longer arm for horizontal sliding movement, a spring associated with said longer arm and bracket to bias said latch into a position with said shorter arm contacting said one end of a stake, said latch being pivotable about said longer arm as an axis from said position into a position with said shorter arm out of contact with said stake, said longer arm extending laterally of the socket in the frame, and the bight portion of said U-shaped latch being proportioned with reference to said frame so that said shorter arm may be disposed on one side of the frame when in inoperative position, said spring being encased in a tube carried by said bracket, and being adjustably mounted relative to said tube and said longer arm.

2,472,235

GARMENT FASTENER

Raymond V. Sullivan, St. Louis, Mo.

Application August 30, 1944, Serial No. 551,874
1 Claim. (Cl. 24—245)



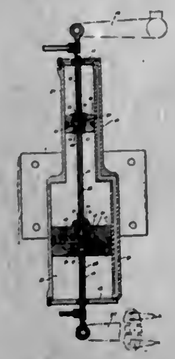
A diaper fastener for securing overlapping folded corner portions of the diaper together comprising a flat button positioned under said overlapping portions with one side facing the same, a flat ring of larger outside diameter than said button and smaller inner edge diameter than said button disposed over said overlapping portions opposite the other side of said button with its inner edge folding said overlapping corners over and around the edge of the button and reversely folding said overlapping portions over and around said inner edge of the ring, whereby pull against the overlapping corner portions in a separative direction tends to urge said button and ring into clamping engagement to fasten said overlapping portions together, and a cord like connector for said button and ring attached at its ends to the button and ring and forming a loop straddling said overlapping portions, said ring being transversely split and resilient for spreading apart to pass said button therethrough so that said ring may be disposed opposite said button with a snap action.

2,472,236

HYDRAULIC BOOST DEVICE

Robert W. Thomas, Grand Rapids, Mich.

Application September 13, 1946, Serial No. 696,681
4 Claims. (Cl. 121—41)



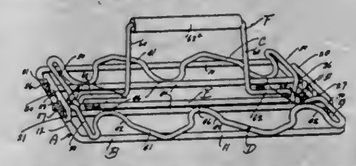
1. A boost cylinder device comprising a casing having portions of two different diameters, a large piston operating in the large diameter portion, and a small piston operating in the small diameter portion, piston rods respectively connected with the pistons and extending respectively through the ends of the cylinder casing, the piston rod of the small piston having a lost-motion connection therewith and an extension connecting with the large piston, said large piston having a small bore for receiving the rod extension, said rod extension serving as a valve element for controlling the flow of fluid from a high pressure passage within the large piston to opposite sides of the large piston depending upon the position of the valve element within the bore of the large piston, said lost-motion connection forming a lost-motion chamber within the small piston and permitting movement of the rod extension in the large piston to position said valve element therein without initially moving the small piston, a fluid return passage in the rod extension and through the piston rod of the small piston for exit of the fluid therefrom at a point exteriorly of the casing, and a bleed valve arrangement associated with the piston rod of the small piston and within the small piston for bleeding fluid into said fluid return passage from said lost-motion chamber.

2,472,237

BOTTLE CARRIER

Shade Wesley Turner, Danville, Ky.

Application February 7, 1946, Serial No. 646,011
4 Claims. (Cl. 294—87)



4. In a bottle carrier the combination of a supporting frame having bottle gripping portions at opposite sides thereof, a bail-like handle structure, bottle gripping jaws pivoted to the lower portion of the bail-like handle structure remote from a hand grasping portion with the bottle gripping jaws extending at opposite sides of the plane of the handle structure towards the bottle gripping portions of the frame, and means slidably and pivotally connecting said bottle gripping jaws upon the frame intermediate the ends of said jaws and spaced from the pivots of the jaws upon the handle whereby upon movement of the handle transverse to the plane of the frame the jaws will be relatively moved upon the frame for opening and closing relation of the bottle gripping portions of said jaws and frame.

2,472,238

RECOVERY OF WOOL FROM WOOL-ACETATE FABRICS

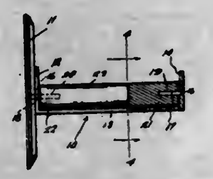
George C. Ward, Cumberland, Md., and Roger U. Genaszani, New York, N. Y., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application March 10, 1944, Serial No. 525,954
6 Claims. (Cl. 8—140)

1. Process for the recovery of wool from mixed textile materials containing wool and cellulose acetate fibers, which comprises immersing said fiber mixture in an aqueous solution containing

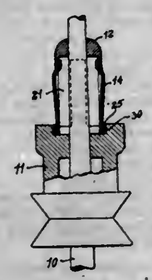
from 0.1 to 1% of sodium hydroxide and 5 to 25% of sodium sulfate so as to cause the saponification of the cellulose acetate fibers to yield regenerated cellulose, and carbonizing the cellulose fibers from the fiber mixture, whereby wool fibers substantially free of other textile materials are obtained.

2,472,239
PAPER ROLL HOLDER
Coy A. Weller, Flint, Mich.
Application November 8, 1944, Serial No. 562,470
2 Claims. (Cl. 242—55.2)



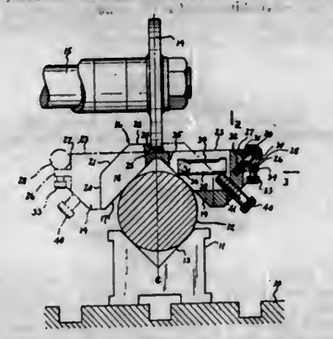
1. A paper holder comprising an anchor plate, a U-shaped channel rigidly secured by one leg thereof to said anchor plate, the web of the said channel being disposed at substantially 90° to said plate, a plurality of oppositely disposed apertures in the legs of said channel and a roller of larger diameter than the width of said channel, pins in opposite ends thereof rotatively secured in said apertures.

2,472,240
BOBBIN CLUTCH
George West, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application September 11, 1946, Serial No. 696,323
2 Claims. (Cl. 242—46.4)



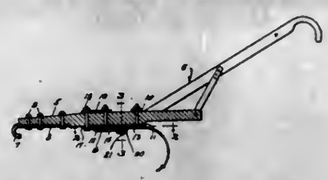
1. In a spindle having a blade and a driving whirl mounted thereon, a bobbin clutch comprising a one-piece bushing having a head mounted on said blade, a flange at the bottom of said bushing and a slotted body portion connecting said head and flange, said flange having an inner annular recess therein, an assembly of resilient bobbin-clutching fingers having an integral annular connection between their lower ends, said fingers being positioned in the slots of said body portion and said integral annular connection being positioned and seated in said inner annular recess of said bottom flange of said bushing.

2,472,241
MILL CUTTER CENTER LOCATOR
Charles R. Wilson, Pekin, Ill.
Application October 8, 1946, Serial No. 701,941
4 Claims. (Cl. 33—185)



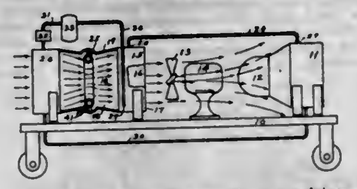
1. A mill cutter center locator comprising a substantially rectangular body in plan having oppositely inclined arms forming a V-cut at the bottom to engage a round shaft or stock of work, said body having a raised portion at one side of the top forming a vertical and transverse contact surface parallel to a plane bisecting the angle included between the arms of the V-cut and adapted to engage the side of a cutter, the other side of the body being off center as to the weight of the body to maintain said surface in contact with the blade in reverse positions, an extension on the end of said other side and a horizontal contact pin held in said extension parallel to said contact surface in a true horizontal position.

2,472,242
HARROW TOOTH MOUNTING
Fred H. Ziegler, Cullman, Ala.
Application July 14, 1947, Serial No. 760,764
1 Claim. (Cl. 55—36)



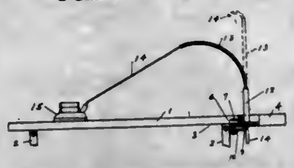
In a harrow the combination, with a beam and with lateral sections connected to the underside thereof, of a relatively elongated supporting plate extended longitudinally of and below the beam and having an upwardly offset front end, means for detachably connecting said front end to the beam, there being a space between the medial portion and rear end of the plate and said sections, a lug extended upwardly into said space from the medial portion of the plate, a spring harrow tooth having an opening at its front end for receiving the lug, said tooth adapted to fill the space between the plate and said sections, and a cuff extending upwardly into said space from the rear end of the supporting plate adapted to slidably receive the harrow tooth.

2,472,243
AIR CONDITIONING APPARATUS INCLUDING A STERILIZING MEANS
Lloyd M. Berryman, Baltimore, Md.
Application September 10, 1946, Serial No. 695,979
4 Claims. (Cl. 62—129)



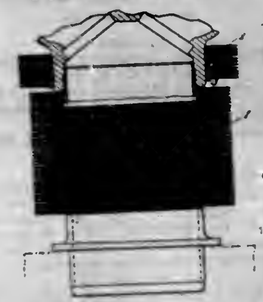
1. An air conditioning unit comprising in combination a compressor, a condenser coupled to said compressor, an expansion valve, a liquid receiver connected to one side of said expansion valve, a de-hydrator coupled to the other side of said expansion valve, a housing having its transverse center portion restricted into a conical form for enclosing the space between the condenser and de-hydrator for leading the de-hydrated air from the de-hydrator to the condenser where the temperature of the de-hydrated air is increased by the heat of said condenser, and a coolant compressed in said compressor and flowing primarily through said condenser to heat same and have its heat extracted by said cooled air flowing therethrough, said coolant being conducted from said condenser to said liquid receiver, then to the expansion valve where the coolant is expanded and passed through the de-hydrator to absorb the heat and moisture from the incoming moist laden air.

2,472,244
IRON SUPPORT
Wilson M. Brady, Catonsville, Md.
Application November 25, 1944, Serial No. 565,096
1 Claim. (Cl. 38—107)



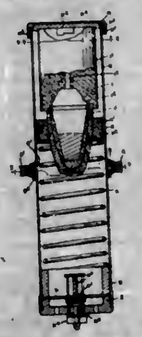
In combination with an ironing board, a tray unit comprising an unperforated bottom plate formed in a concaved and convexed construction with an inner wall for removable attachment to the end of an ironing board and an outer wall of restricted length parallel thereto, converging side walls for connecting said inner and outer walls and guiding the iron onto the bottom plate and prevent its slipping off the tray, the inner wall having ears projecting therefrom for bearing against the underside of the ironing board to support the tray unit thereon, means for removably attaching the tray unit to said ironing board, fastening means for holding the tray unit to the board, said tray having a socket therein, a swivel cable support comprising a tubular bottom portion for insertion in said socket, said tubular portion formed at its upper section by a coiled spring to resiliently support a cable passing therethrough and connecting with electrical connections at its upper and lower ends.

2,472,245
METHOD OF FINNING ENGINE CYLINDERS
William M. Busse, Massillon, Ohio, assignor to The Griscom Russell Company, New York, N. Y., a corporation of Delaware
Application April 17, 1944, Serial No. 531,419
1 Claim. (Cl. 29—157.3)



In the method of forming cylinders for engines and the like, the steps which comprise helically winding a strip of metal of L-shaped configuration to form a continuous sleeve of indefinite length with the foot portions of the L in contact and the upright portions forming a helical fin, fastening the foot portions of the L to contacting portions of the helical fin at spaced points, thereafter cutting the sleeve outwardly of and adjacent the points of said fastening to form a section for attachment to an engine cylinder, and fastening said section as a unit to the exterior of an engine cylinder.

2,472,246
CENTRIFUGAL CASTING MACHINE
Rodney E. Christian, Royal Oak, and Alfred W. Widerstedt, Detroit, Mich., assignors to Kerr Manufacturing Company, a corporation of Michigan
Application September 17, 1945, Serial No. 616,850
8 Claims. (Cl. 22—65)



5. In a centrifugal casting machine, a cylindrical casing having an opening at one end thereof and mounted for revolution in a vertical plane about a central transverse axis, a resiliently yieldable seat within said casing movable lengthwise thereof, a closed bottom open top crucible engaging said seat with its open top fac-

ing toward the open end of said casing, a mold engaging said crucible and in communication with the open top thereof and a closure for the open end of said casing adapted to engage said mold and press the same into sealing contact with said crucible against the resilient pressure of said seat.

2,472,247

FAST-SETTING COMPOUND OF RESIN AND POWDERED METAL

Edwin J. Coleman, Chicago, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application May 31, 1945, Serial No. 596,976
2 Claims. (Cl. 260—19)

1. A composition of matter comprising an asbestos filler, powdered metal alloy having 80% to 85% by weight of lead and the remainder antimony and tin, graphite and a thermosetting potentially reactive phenol-formaldehyde resin in the following proportions by weight:

	Per cent
Phenolic resin	35–50
Asbestos filler	22–30
Graphite	13–15

and the remainder powdered metal alloy and a lubricant.

2,472,248

SPOOL

James Victor Cox, Buffalo, N. Y., assignor to B. F. Gladding & Company, Inc., South Otselic, N. Y.

Application February 1, 1947, Serial No. 725,945
11 Claims. (Cl. 242—118)



1. As an article of manufacture, a spool comprising opposed head members each including a central hollow cylindrical portion and a circular end wall portion extending radially outwardly therefrom, said cylindrical portions being snugly interfitting and adhesively secured to support the wall portions in spaced coaxial relationship, the proximate faces of the wall portions having relatively shallow circular grooves spaced outwardly of and concentric with said cylindrical portions, and a tubular element having its opposite ends seating in said grooves and held securely between said end wall portions by the rigid interfitting of said cylindrical portions.

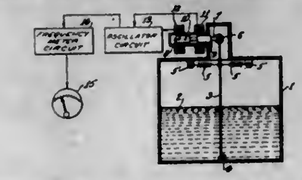
2,472,249

LIQUID LEVEL MEASURING DEVICE WITH OSCILLATOR

Clarence A. de Giers, Forest Hills, and Abraham Edelman, New York, N. Y., assignors to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware

Application September 8, 1945, Serial No. 615,161
8 Claims. (Cl. 73—290)

1. A transmitter for measuring the level of liquid in a tank, comprising an elongated member capable of oscillating at a natural frequency and extending substantially throughout the height of the liquid in the tank, means fixing one end of said member, means for resiliently supporting the other end of said member, electromagnetic means causing said member to vibrate at its natural frequency, said natural frequency varying as a function of the level of the liquid in the tank, said electro-magnetic means including a first coil having a permanent magnet armature movable therein, a second coil having an armature of magnetizable material movable



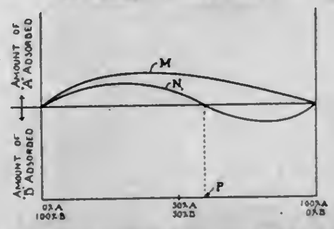
therein, means for rigidly connecting said armatures to each other and for mechanically connecting said armatures to said member so that said armatures will vibrate at the frequency of said member, an oscillator alternately energized to act on said first coil and armature and deenergized by the action of said second coil and armature, and frequency measuring means for determining the vibration frequency of said member, as indicative of the liquid level to be measured.

2,472,250

PROCESS FOR SEPARATING HYDROCARBONS BY ADSORPTION

Alfred E. Hirschler, Drexel Hill, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application October 3, 1946, Serial No. 700,925
14 Claims. (Cl. 260—666)



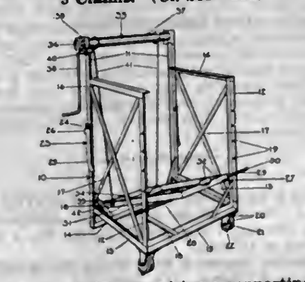
1. In an adsorption method for separating two hydrocarbons, A and B, having the same degree of saturation by selective adsorption employing both activated carbon and silica gel as adsorbents, which hydrocarbons form a mixture from which A and B have the same adsorbability on one of the said adsorbents when the proportion of A to B is a certain definite proportion but from which A is more adsorbable than B on the other of said adsorbents at all proportions of A to B below, and up to a proportion at least substantially exceeding, said certain definite proportion, the steps which comprise first treating a mixture of the hydrocarbons in liquid phase with one of said adsorbents to selectively adsorb one of the components, the first treatment being with the aforesaid other of said adsorbents when the proportion of A to B is below, or not substantially different from, said certain definite proportion, thereby obtaining a filtrate fraction containing the other component in more nearly pure form and an adsorbate fraction containing the two hydrocarbons in a proportion between said certain definite proportion and said proportion at least substantially exceeding said certain definite proportion, then treating said adsorbate fraction in liquid phase with the adsorbent which was not used in the first treatment, to selectively adsorb the other component and thereby obtaining a filtrate fraction containing the component which was selectively adsorbed in the first treatment in more nearly pure form.

2,472,251

HOISTING DEVICE

John B. Houghton, Sanger, Calif.

Application June 24, 1946, Serial No. 678,822
5 Claims. (Cl. 248—133)



1. A drum hoist comprising a supporting frame, a cradle having opposite laterally extended pivot means near an end portion thereof, the frame having pairs of receptacles formed therein to receive the pivot means at selected elevations, a windlass mounted in the frame in a position superposed and spaced from the end of the cradle opposite the pivot means, flexible tension means interconnecting the windlass and said opposite end of the cradle, and a ratchet means associated with the windlass for locking the same in selected positions.

2,472,252

PROCESS FOR THE PRESERVATION OF BEER

Arthur Henry Hughes, Dublin, Eire, assignor to Messrs. Arthur Guinness Son and Company Limited, Dublin, Eire

No Drawing. Application February 26, 1946, Serial No. 650,379. In Great Britain March 26, 1945
2 Claims. (Cl. 99—48)

1. A process for the restriction of acidification of beer which comprises the step of adding a small proportion of egg-white to the beer during the racking stage.

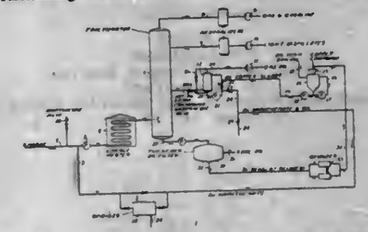
2,472,253

PRODUCTION OF CUPROUS NAPHTHENATE IN THE TREATMENT OF PETROLEUM OIL

Charles O. Hoover, Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Original application October 2, 1946, Serial No. 700,824. Divided and this application April 25, 1947, Serial No. 743,887
17 Claims. (Cl. 196—26)

1. In the process of treating petroleum oil with a copper soap of a water-insoluble organic acid for the fixation of sulfur compounds contained therein in which the copper soap is introduced into the oil and the oil subsequently is subjected to heat treatment with the liberation of vapors containing the organic acid resulting from decomposition of the copper soap; the improvement which comprises passing the liberated vapors containing the organic acid into intimate contact



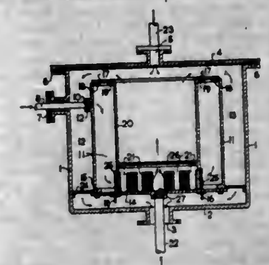
with a finely-divided copper compound suspended in a fluid medium which is inert with respect to the oil vapors and the organic acid, with resultant formation of the cuprous soap of the acid, and using the thus formed cuprous soap as the source material of the copper soap used in the treatment of further amounts of oil.

2,472,254

APPARATUS AND METHOD FOR CARRYING OUT CATALYTIC REACTIONS

Ava J. Johnson, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

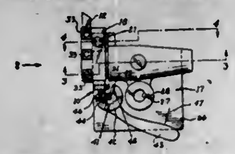
Application August 22, 1944, Serial No. 550,647
7 Claims. (Cl. 260—668)



5. A method of simultaneously carrying out endothermic and exothermic catalytic reactions which comprises feeding a chemical compound in the fluid state at reaction temperature to a first reaction zone containing a catalyst under conditions at which said compound undergoes an endothermic reaction normally resulting in a decreasing temperature gradient through the reaction zone, also feeding into said reaction zone a substantial molar excess, based upon said compound, of a product of said endothermic reaction, and a minor amount, based upon said chemical compound, of another chemical capable of reacting exothermally with said reaction product under the reaction conditions, maintaining rates of flows of said reactants at which there is a net absorption of heat in the overall reaction, adding a further amount of said other chemical to the reaction products and feeding the mixture to a second reaction zone in the presence of the same catalyst in indirect heat exchange relationship with the first reaction zone whereby an increasing

temperature gradient is maintained in the flowing stream of reaction mixture and a net production of the product of said endothermic reaction is obtained, separating from the final mixture an amount of said product equal to that initially used in the reaction and recycling said product to the first reaction zone.

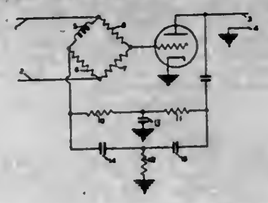
2,472,255
TOOLHOLDER
Anthony Kyle and John A. Johnson, Los Angeles, Calif.
Application October 8, 1945, Serial No. 620,974
5 Claims. (Cl. 82—36)



1. In a tool holder, the combination of: a base member having a pivot socket formed therein which provides a pivot axis, said base member having a surface thereon which is inclined relative to said pivot axis so that a plane perpendicular to said inclined surface is substantially parallel to said pivot axis; a tool holding member having a pivot spindle formed thereon which is adapted for insertion into said pivot socket and is rotatable therein to permit rotation of said tool holding member relative to said base member about said pivot axis, said pivot spindle being displaceable in said pivot socket along said pivot axis and being adapted for releasable engagement with said pivot socket to secure said tool holding member to said base member; adjusting means carried by said tool holding member, said adjusting means being adapted for engagement with said inclined surface to adjust the position of said tool holding member relative to said base member about said pivot axis and being adapted for slidable engagement with said inclined surface to displace said pivot spindle along said pivot axis and into engagement with said pivot socket when said adjusting means is urged into engagement with said inclined surface, in order to secure said tool holding member to said base member; wedge means for urging said adjusting means into engagement with said inclined surface, said wedge means being rotatably mounted on said base member and being adapted for insertion between said tool holding member and said base member; and releasing means for displacing said pivot spindle along said pivot axis and out of engagement with said pivot socket in order to release said tool holding member from said base member, said releasing means being rotatably mounted on said base member and being adapted for engagement with said tool holding member.

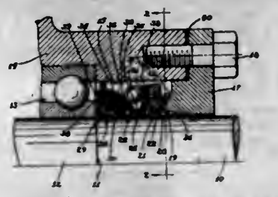
2,472,256
VOLTAGE STABILIZER
Gerrit Mak, Hendon, South Australia, Australia, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee
Application January 10, 1948, Serial No. 1,589
In Australia September 11, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 11, 1965
6 Claims. (Cl. 323—63)

1. A voltage stabilising system comprising a network including a ballast resistance, input means to apply an alternating voltage of predetermined frequency to said network, the amplitude of said alternating voltage being subject to fluctuations, output means to derive said alternating voltage from said network whereby said voltage is stabilized by said ballast resistance for relatively slow fluctuations in amplitude, and an



impedance circuit interposed between said network and said output means, said circuit having a characteristic presenting a relatively high impedance to amplitude fluctuations having a time period less than the time period of said predetermined frequency and a negligible impedance to voltage of the time period of said predetermined frequency.

2,472,257
SHAFT SEAL WITH INTERNAL DRIVE
Albert J. Matter, Park Ridge, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application August 4, 1945, Serial No. 608,870
4 Claims. (Cl. 286—11)

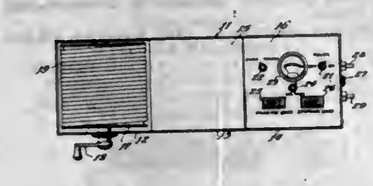


1. A sealing device for relatively rotatable elements comprising a sleeve concentric with and spaced from one of the elements, an enlarged part at the end of the sleeve, means compressed radially between the enlarged part and the said one element to form a fluid-tight seal therebetween and to provide a drive for the sleeve, a sealing surface on the other element, a sealing washer having a sealing surface in engagement with the first-mentioned sealing surface, flexible means having one end in fluid-tight engagement with the exterior surface of the enlarged part, the other end in fluid-tight engagement with the washer and a fold extending from the enlarged part radially toward the middle of the sleeve, and a slidable driving connection between the washer and sleeve.

2,472,258
TRAFFIC ANALYZER
Harold L. McCleery and Carlyle B. Stair, Downers Grove, Ill.; said McCleery assignor to said Stair
Application January 9, 1942, Serial No. 426,146
11 Claims. (Cl. 235—92)

1. A traffic analysing device comprising impulse members arrangeable in spaced relationship in

the direction of traffic in a traffic lane on a street, switches actuated by impulses transmitted by said members as a result of cars passing over the same, a source of electrical power, a switch for turning said power on or off, a timing condenser arranged in series with said source of power and said on-and-off switch and being therefore chargeable from said source of power when said on-and-off switch is closed, a relay having a coil arranged in series with said source of power and the first of said impulse-actuated switches so as to be initially energized upon the closing of such switch by a car passing over the first of said impulse members, a plurality of contacts arranged to be actuated by said relay coil, one of said contacts being normally in circuit with said source of power and with said condenser and being arranged to be opened by said relay coil upon energization thereof to disconnect said condenser from said source of power, a second of said contacts being arranged to be closed by the



initial energization of said relay coil and to thereby establish a circuit between said condenser and said relay coil to keep the latter energized from a pre-determined time after disconnection thereof from said source of power, a calibrating resistance in series with said condenser and in parallel with said relay coil to control the time required for discharge of the condenser, a car counter actuating coil, means, including a third one of said contacts, for energizing said car counter coil when said third contact is closed by energization of said relay coil, a speeding car counter actuating coil, and means, including a fourth one of said contacts and a second one of said impulse-actuated switches, for actuating said speeding car counter coil when said second impulse-actuated switch is closed by the passing of the wheels of the car over the second impulse member provided said fourth contact has not by that time been opened as a result of de-energization of said relay coil due to discharge of said condenser.

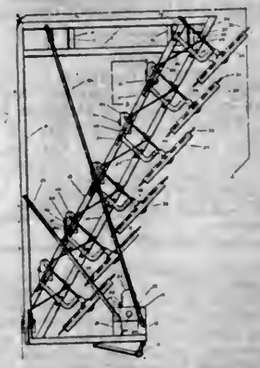
2,472,259
MEANS AND METHOD OF PRODUCING THREE-DIMENSIONAL PICTURES
Duncan McPherson, Los Gatos, Calif.
Application September 16, 1946, Serial No. 697,234
5 Claims. (Cl. 88—16.6)

1. A method of producing an apparently three-dimensional image, characterized by the steps of: viewing a scene from at least two aspects, transposing said views, selecting complementary unaltered portions of said views to produce a single composite image, the complementary portions being slightly mismated along a line of contiguity in such composite; producing a series of such composites, each including complementary unaltered portions slightly mismated along a line of contiguity, the composites of such series differing from each other in that the relative areas of complementary portions vary progressively in



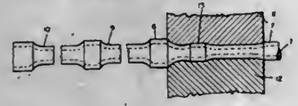
such series; and exhibiting the series of said composites.

2,472,260
SIDE DELIVERY RAKE
Melvin A. Morrill, Laton, Calif.
Application January 25, 1947, Serial No. 724,274
15 Claims. (Cl. 56—377)



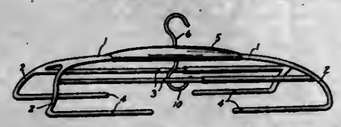
1. In a side delivery hay rake having a forwardly movable draft frame, support means for the frame attached thereto, said means including directional control means, and a plurality of rotary raking elements arranged in the frame for rolling movement over earth traversed by the frame, the combination of mounting means borne by the frame and individually mounting the raking elements in the frame for rotation in substantially erect parallel planes angularly displaced from the normal direction of movement of the frame, and for elevational movement during operation, control wheels individual to the raking elements mounted in the frame for reciprocal vertical movement in response to elevations and depressions in earth traversed, and means individually interconnecting the control wheels and their respective raking elements for unitary elevational movement.

2,472,261
CRANKSHAFT AND METHOD OF MAKING SAME
Homer L. Mueller, Cleveland, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application August 10, 1944, Serial No. 548,833
1 Claim. (Cl. 29—6)



The method of forming a crankshaft such as those used in internal combustion engines which comprises providing a cylindrical blank of diameter corresponding substantially with the diameter of the main bearings of the final form of crankshaft, heating a portion of the length of the blank to a workable state, rolling and forming in such heated portion an elongated reduced section of uniform reduced diameter corresponding substantially with the diameter of the connecting rod bearings of the final form of crankshaft, further rolling said elongated reduced portions at spaced points to leave intact an intermediate connecting rod bearing of a size as secured by said first rolling and to form sections of further reduced size corresponding substantially with the size of the crank arms of the final form of crankshaft, and relatively radially displacing said main and connecting rod bearing sections into the relative positions they are to occupy in the final form of crankshaft.

2,472,262
CLOTHES HANGER
Josephine H. Mullen, Dayton, Ohio
Application October 24, 1946, Serial No. 705,478
5 Claims. (Cl. 223—89)



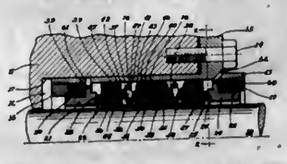
1. A garment hanger, comprising an adjustable cage like structure, including a medial main bar divided into two reversely disposed relatively adjustable terminal sections, a tubular intermediate coupling within which the terminal sections are telescopically adjustable, downwardly divergently inclined bifurcated terminals on the adjustable sections of the medial main bar, additional telescopically adjustable bars interconnecting the furcations of the opposite terminals of the medial main bar in spaced relation therewith and with each other, inwardly directed relatively short stub bars projecting from the furcations in parallel relatively spaced relation with the aforementioned bars and with each other and terminating in separated aligned relation with those attached to the furcations of the opposite end of the structure.

2,472,263
METHOD OF PRODUCING FELT FOOTWEAR
William Pasko, Toronto, Ontario, Canada
Application January 9, 1947, Serial No. 721,110
3 Claims. (Cl. 28—72.3)

1. The method of producing a seamless felt article consisting in folding a sheet of dry carding wool around a flexible model of the article in a flat state, inserting the model and its wool covering in a flat state in a fabric envelope, immersing the envelope and its contents in boiling water at frequent intervals and after each immersion rolling and kneading same until the wool has shrunk to the size of the model around which it is rolled and has attained the texture desired in the final article, then removing the article from the envelope and allowing the article to dry, and subsequently removing the model.



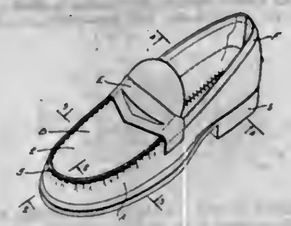
2,472,264
DOUBLE SEAL
Frank E. Payne, Glencoe, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application December 22, 1945, Serial No. 636,954
5 Claims. (Cl. 286—11)



1. A seal device for effecting a seal between relatively rotatable structures, said seal comprising spaced seal seats on one structure, said seats having sealing surfaces facing one another, a resilient compressible sealing ring encircling the other structure, a tube located exteriorly of the ring and having its mid-portion compressed upon the ring, such that said ring is likewise compressed upon the other structure, said tube extending outward from the ring into proximity with the seal seats, sealing washers encircling the tube ends and each having a sealing surface contacting the sealing surface on the adjacent seal seat, an axially slidably rotary driving connection between the washers and tube, and flexible means effecting a fluid-tight seal between the washers and tube, said flexible means comprising expansible tubular elements having cylindrical regions near the ends thereof, means for compressing one region of each element upon the exterior of the tube, and means for compressing the other region of each element upon a washer.

2,472,265
METHOD OF SECURING TOGETHER MOCCASIN VAMPS AND PLUGS
Harry Phillips, New York, N. Y.
Application March 19, 1946, Serial No. 655,423
1 Claim. (Cl. 12—142)

The method of manufacturing a shoe of the true or genuine moccasin type, which includes the provision of a leather blank for the bottom and sides of the completed shoe, said blank being perforated around the edges of its fore part, providing a plug which is perforated around the edges of its fore part, such perforations being spaced apart a less distance than the spacing of the perforations around the edges of said first mentioned blank, assembling the blank and plug together with the plug edge upturned in contact with the bottom blank sides by stitching through the alined and complementary perforations so as to connect the edge of the plug to the edge of the fore part of the bottom blank, then permanently



stitching said blank and plug together along a line below the line of said first mentioned stitching and severing them along the line between said two rows of stitching.

2,472,266
SWITCH MECHANISM FOR FIRE ALARMS
Maxime E. Ouellette, Macwahoc, Maine
Application July 7, 1948, Serial No. 37,373
11 Claims. (Cl. 200—142)

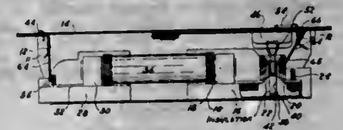


1. A switch device for an electrically operated fire alarm system, comprising a stationarily arranged housing tube, a tubular rod sheath removably carried by said tube, oppositely spaced stationary electrical contact elements carried by and insulated from said sheath, a contact rod slidably carried by said sheath, a contact member fixed to and movable with said rod, said member being engageable with either of said opposed contact elements upon reciprocation of said rod, a spring mounted upon said rod for urging said contact member toward one of said elements, said spring permitting said member to be manually forced into contact with the opposite element, and a fusible element carried by said rod for maintaining said spring under tension, whereby said movable contact member will be automatically released under predetermined temperature conditions and forced against said first mentioned contact element.

2,472,267
PROCESS FOR PREPARING GLUTEN SULFATE AND SALTS THEREOF
Henry C. Reitz, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application August 17, 1945, Serial No. 611,216
7 Claims. (Cl. 260—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. A process for the preparation of salt of gluten sulfate comprising reacting a gluten with concentrated sulfuric acid at a temperature of not over about 0° C., followed by reacting the reaction product with an inorganic hydroxide.

2,472,268
PULL-OUT SWITCH
Nicholas J. Schmelig and Floyd S. Green, St. Louis, Mo., assignors to Frank Adam Electric Company, St. Louis, Mo., a corporation of Missouri
Application July 5, 1945, Serial No. 603,388
11 Claims. (Cl. 200—114)

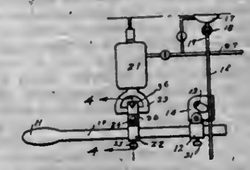


1. An electric switch comprising a casing having a door and a back, a base of molded insulating material on said back, a line and a load contact, a line terminal secured to said line contact, said line and load contacts being oppositely disposed and spaced from each other, a recess in said base adapted to accommodate said line and load contacts, a slidable mounting plate on said door, a switch blade mounted upon said plate, said switch blade being of substantial U-shape, said slidable mounting plate having an "on" and an "off" position, the "off" position locating the switch blade so that no contact is made between the line and load contacts when the door is closed, and the "on" position locating the switch blade so that it moves between the line and load contacts when the door is closed, the U-shaped switch blade being provided with ends which abut when inserted between the line and load contacts.

2,472,269
2,2-BIS-(4-METHYLTHIOPHENYL)-1,1,1-TRICHLOROETHANE
David A. Shirley, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 9, 1946, Serial No. 689,515
1 Claim. (Cl. 260—609)

2,2 - bis(4 - methylthiophenyl)-1,1,1-trichloroethane.

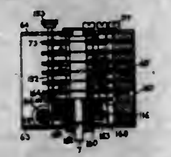
2,472,270
PORTABLE DRILL PRESS HOLDER
Franklin P. Stinchcomb, Baltimore, Md.
Application October 19, 1945, Serial No. 623,257
2 Claims. (Cl. 77—7)



1. In combination with an electric motor including a tool operated thereby, of a magnetic supporting unit comprising in combination, a magnetic device for magnetic attachment to a ferrous object horizontally positioned and including an eye and flexible link suspended therefrom, a cable coupled to said link and adapted to extend vertically down therefrom, a slip clamp mechanism mounted on said cable and including a holding plate with a wedgelike acting member and guide opposing it for tightening on the cable

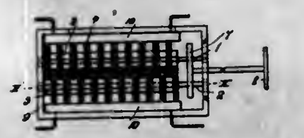
as the mechanism is tensioned away from the said device, a trammel bar including a handle at one end adjustably attached to said plate for positioning the latter relatively to said cable and forming a fulcrum point for the bar, an adjustable member slidable on said bar and including a flexible connection for fastening it to a portion of said motor, said member and handle being so positioned with respect to said portion of the motor as to enable the use of the unit to exert pressure under leverage by said handle with the cable and clamp as fulcrum to said motor and thereby facilitate the action of said tool, and electrical connections for said motor.

2,472,271
ANTIHUNTING MEANS FOR CONTROL DEVICES
Michel N. Yardeny, New York, N. Y.
Application February 26, 1944, Serial No. 524,029
6 Claims. (Cl. 318—33)



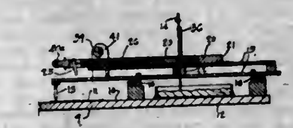
5. In apparatus for moving a load to desired positions, in combination, a pair of relatively movable members, one of the members having a pair of conducting elements separated by a gap, and the other member having a contact arm engageable therewith, a reversible motor for moving the load, one of the members being selectively pre-set to cause displacement between the said contact arm and gap and engagement with one of the conducting elements to rotate the motor in the desired direction, one member of the said pair being operatively connected to the said load motor, a frictional clutch interposed between the said movable member and the said motor, said frictional clutch comprising a pair of spaced stops secured to rotate with the said movable member, a plurality of elements each provided with a pair of spaced stops, the distance between the stops increasing with successive ones of the said elements, and a stud rotatable by the said motor and receivable in the spaces of the said stops of the plurality of elements and in the space between the said pair of stops of the said movable member, the said elements being in frictional engagement with each other and with the said movable member, the said load motor positively driving the said movable member by abutment of the said stud with the anterior one of the said pair of stops of the movable member, the anterior stops of the said plurality of elements being aligned by the said abutment between the said stud and said anterior stop to cause the posterior stops to be staggered at different distances from the said stud, said movable member being moved in a direction to restore alignment between the said gap and contact arm, the said movable member overrunning the gap to engage with the anterior conducting element to cause reversal of motor rotation to return the movable member toward the gap, detent means to hold the said member at the gap, said movable member being returned by frictional drive and with progressively increased torque as the said stud sequentially abuts the said staggered stops, said motor continuing its movement by inertia after the said restored alignment of gap and with the contact arm held at the gap.

2,472,272
HAND DRYING OR CLEANING APPARATUS
Harold Barnes, Smethwick, England
Application October 1, 1947, Serial No. 777,347
In Great Britain November 6, 1946
6 Claims. (Cl. 24—95)



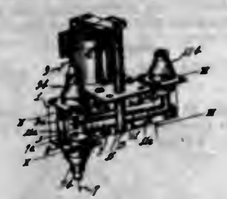
1. A hand drying appliance comprising a pair of rollers covered with resilient cellular material, from which air can be squeezed by pressure to produce a suction action when the pressure is released, said resilient cellular material conforming itself upon pressure to the contour of the hand as same is rolled thereover and sucking off moisture therefrom as the pressure is released, said resilient cellular material having annular projections on the periphery, the annular projections of one roller interleaving with the annular projections of the other roller, a spindle for each roller on which said resilient cellular material is slidably mounted, and means actuatable to compress the cellular material endwise and along said spindles to squeeze moisture therefrom.

2,472,273
APPARATUS FOR PRODUCTION OF RELIEF SURFACES
Robert L. Bates, Lexington, Va.
Application September 14, 1945, Serial No. 616,321
8 Claims. (Cl. 41—1)



1. In apparatus utilizing a rectangular section of a topographic map to produce a contour or relief surface on a like model section of plastic material, a table for supporting a map section and a model section in coordinate relation; a slide; a stylus and a tool carried by the slide for cooperation with the map and model sections; said slide being operable to traverse the stylus and the tool lengthwise and horizontally in relation to the map and model sections; a cross slide for the slide, mounted on the table and operable to traverse the stylus and the tool crosswise and horizontally in relation to the map and model sections; means for moving the slide and the cross slide to cause the stylus to scan the map section; means carried by the slide and movable relatively to the latter for imparting to the tool a vertical feed increment while the stylus is traversed from one map section contour line to the next; and adjustable means carried by the slide and cooperating with the last-named means to limit the range of movement of the latter to vary the increment of tool feed occurring from one contour line to the next to provide for development of the relief surface with an elevation scale determined by the feed increment.

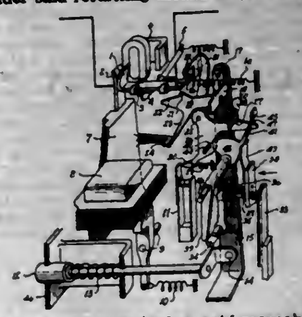
2,472,274
HIGH-FREQUENCY COAXIAL CABLE SWITCH
Stanley M. Baleskas, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 23, 1946, Serial No. 664,160
1 Claim. (Cl. 178—44)



A switch for selectively connecting two of three coaxial cables, said switch comprising a conductive casing constituting an electrically common outer conductor for all three of said coaxial cables and having a longitudinally tapered bore terminating at its larger end in a cavity within said casing, a pair of cable contacts mounted in spaced relation within said cavity along an axis substantially normal to the direction of extension of said bore, an inner conductor for the other one of said coaxial cables mounted for movement within said bore and terminating in the space between said pair of cable contacts, and means for moving said inner conductor in a direction substantially parallel to said axis whereby to bring its said terminal end into engagement with a selected one of said pair of cable contacts, said tapered bore being elliptical in cross-section adjacent to said cavity, the long axis of said ellipse being substantially parallel to the axis along which said spaced apart contacts are mounted whereby when said inner conductor is brought into engagement with either of said cable contacts any increase in capacitance occasioned by the approach of said conductor to one surface portion of said bore is compensated by a decrease in capacitance occasioned by an increase in the spacing between said inner conductor and the opposite surface portion of said bore.

2,472,275
ELECTRIC SWITCH
Karl Bollmann, Zurich, and Hans Meier, Zug, Switzerland, assignors to Landis & Gyr, A. G., Zug, Switzerland, a body corporate of Switzerland
Application March 28, 1945, Serial No. 585,362
In Switzerland December 27, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 27, 1963
8 Claims. (Cl. 200—88)

8. In an electric circuit breaker having a switch magnet and an interference switch in the circuit of the switch magnet, a moveable contact and a normally stationary contact latched in a normal position and biased toward a tripped position when unlatched upon the occurrence of predetermined conditions, mechanism actuated by movement of said normally stationary contact from a set to a tripped position opening said interference switch in tripped position, and means for returning said mechanism to set position when said predetermined conditions are no longer present, said returning means being operatively connected with said moveable contact to render said returning means inoperative upon



said mechanism except when said moveable contact is in switched-out position.

2,472,276
PROCESS FOR THE PRODUCTION OF ARYLDESOXYGLYCOSES AND DIARYLDESOXYALDITOLS
William Andrew Bonner, Hubbard Woods, and Charles D. Hurd, Evanston, Ill., assignors to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 31, 1945, Serial No. 638,583
8 Claims. (Cl. 260—333)

4. The process which comprises contacting, under substantially anhydrous conditions and at elevated temperature, not exceeding 100° C., a glucose derivative and an aromatic hydrocarbon in the presence of anyhdrous aluminum chloride, said glucose derivative being characterized in that there is attached to the carbon atom of the aldehydic function a substituent selected from the group consisting of Cl, Br and acyloxy and in that the glycose derivative has protected hydroxyl groups; said aluminum chloride being present in the amount of at least about 5 molecular equivalents, based upon the weight of said glucose derivative.

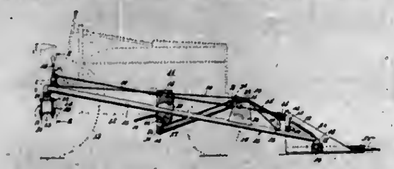
2,472,277
MONOSUBSTITUTED DESOXYGLYCOSES AND PROCESS FOR PREPARING THE SAME
William Andrew Bonner, Hubbard Woods, and Charles D. Hurd, Evanston, Ill., assignors to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 31, 1945, Serial No. 638,585
12 Claims. (Cl. 260—333)

11. The process which comprises effecting the reaction, under substantially anhydrous conditions, between a polyacylglycosyl ester and a Grignard reagent, said Grignard reagent being present in the amount of at least about $2x+1$ molecular equivalents with respect to said polyacylglycosyl ester wherein x is equal to the number of acyl groups.

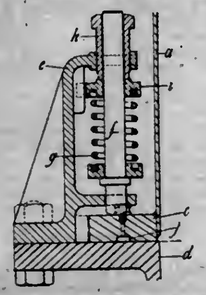
2,472,278
ATTACHMENT FOR TRACTORS
Albert L. Brauch, Omaha, Nebr., assignor to Harry A. Smith and Ben E. Kaslow, both of Omaha, Nebr.
Application November 17, 1945, Serial No. 629,214
6 Claims. (Cl. 214—140)

1. A hoisting attachment for a tractor com-

prising a pair of main side frame members, upwardly extending members rigidly secured to the side frame members, means for pivotally securing the rear ends of the frame members to a tractor, actuating means for raising and lowering the main frame members comprising fixed and movable members, means for pivotally securing the fixed members to the tractor, means for pivotally securing the movable members to said upwardly extending members, loading means attached to the forward end of the side frame members, said loading means comprising container means for material to be lifted, means for pivotally attaching said container means to said side frame members, a latch for retaining the container means, in the loading position, a release for said latch and resilient means for returning the container means to the loading position after said latch is released and the container unloaded by the weight of the material therein swinging said container means about its pivot, said resilient means having insufficient strength to prevent pivoting of said container means when it is loaded and being of such strength to return said container means to the loading position when it is unloaded, and a stop associated with the container means and cooperating with one of said side frame members to vary the position of the container means, said stop being adjustable to vary the angularity of the container means to vary its position for loading different materials.

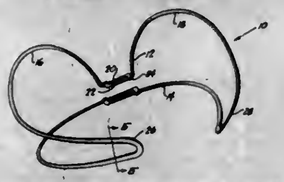


2,472,279
PIPE EXPANSION JOINT
Thomas Walter Falconer Brown, Newcastle on Tyne, England, assignor to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England
Application February 24, 1947, Serial No. 730,510
In Great Britain June 19, 1946
5 Claims. (Cl. 285—130)



1. A pipe joint comprising a pair of flanges having plane end faces abutting each other in slidable sealing relation, and a plurality of clamping devices carried by one of said flanges and surrounding and overhanging the other said flange, each clamping device comprising a tension frame member and a plurality of spring pressed members carried thereby and positioned for applying pressure to the back of the second said flange for forcing it against the first said flange, at least one of the said flanges having a lubricating groove in its face which engages the other flange and a channel in one of said flanges for supplying lubricant to the groove and lubricating the abutting faces of the flanges.

2,472,280
BRASSIÈRE
Henry H. Bruderlin, Venice, Calif.
Application December 2, 1946, Serial No. 713,546
6 Claims. (Cl. 2—42)



1. A self supporting strapless brassière comprising: a generally C-shaped frame, the medial portion of which includes upper and lower laterally extending wire elements curved in plan view to conform to the body of the wearer adjacent the breasts, each of said elements being structurally continuous across the plane of symmetry and thruout their lengths; the upper element having two sections, one at each side of the plane of symmetry of the frame arched upwardly away from the lower element to define therewith a pair of breast receiving openings; the free ends of said elements being more sharply curved in plan view than the medial portion to engage the sides and back of the wearer and converging toward each other and being joined at their extreme ends; the juncture of said free ends being below the midpoint of the medial frontal portion of said frame; said frame being spring biased to resiliently grip the body and retain itself in position thereon; and breast supporting covering material mounted on said frame in such manner as to prevent direct contact between said frame and the body.

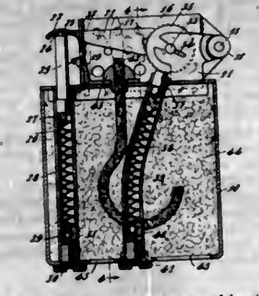
2,472,281
GARMENT
Henry H. Bruderlin, Venice, Calif.
Application September 23, 1947, Serial No. 775,704
6 Claims. (Cl. 2—42)



1. A frame for a garment comprising: a structure of filamentary resilient material; the elements of said structure defining a closed loop at each side of the plane of symmetry to serve as a breast receiving opening; the free ends of said loops being curved out of the general vertical plane of the medial portion, but lying substantially in the horizontal plane of the lower edge

of said frame, to define therewith a generally C-shape to conform to and grip the body of the wearer; and the adjacent portions of said loops being so connected to each other as to be capable of substantial resistance to bending.

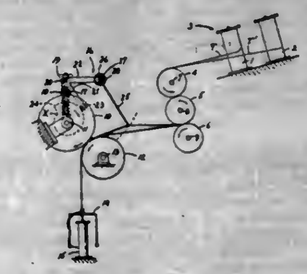
2,472,282
PYROPHORIC LIGHTER CONSTRUCTION
Ray L. Burchett, Newark, N. J., assignor to Ronson Art Metal Works, Inc., a corporation of New Jersey
Application May 4, 1945, Serial No. 591,926
3 Claims. (Cl. 67—7.1)



3. A lighter comprising in combination, a fuel container having a top surface, an abradant wheel mounted adjacent one extremity of said surface, mechanism for urging a pyrophoric element against said wheel, a wick member mounted adjacent said abradant wheel, said container having a passage member extending therethrough with an outlet adjacent the opposite extremity of said top surface, an angularly shiftable operating arm for said abradant wheel, said arm being pivotally mounted at one extremity thereof adjacent said wheel and extending substantially the full length of said top surface and being provided with a finger piece at the opposite extremity thereof, a limit stop mounted upon said container for limiting the extent of angular motion of said operating arm between said container and stop to approximately thirty degrees, said arm being substantially parallel to the top surface of the container when resting against said limit stop, a helical spring mounted in said passage member, and a plunger axially shiftable in said passage and urged by said helical spring against said finger piece whereby said arm is urged against said limit stop, said helical spring being adapted through the intermediary of said plunger for moving said finger piece by snap action from a position adjacent the top container surface to a position approximately 30° removed therefrom to actuate said abradant wheel.

2,472,283
SLUBBING DEVICE
George W. Byers, Glen Mills, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application July 1, 1947, Serial No. 758,438
19 Claims. (Cl. 57—38)

1. In a drafting mechanism, a set of restraining rolls, a set of drawing rolls, means for driving both sets of rolls, the drawing rolls at a higher rate of linear speed than the restraining rolls, a slubbing device between the drawing rolls and restraining rolls comprising an element disposed for engaging a strand passing between both sets of rollers, and means for oscillating the element



to vary the path of the strand between the drawing rolls and the restraining rolls.

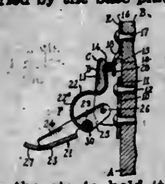
2,472,284
CYLINDER BACK PRESSURE VALVE
John Merritt Clark, Northfield, N. J.
Application March 2, 1946, Serial No. 653,321
4 Claims. (Cl. 121—136)

1. In a valve gear assembly, a steam cylinder having main admission and exhaust openings, a steam chest on the cylinder, a main valve in the steam chest for controlling the flow of steam through said cylinder openings, means including a main radius rod extending from said valve, an auxiliary valve in the steam chest for relieving back pressure in the steam cylinder when operated at high speeds, an auxiliary radius rod extending from the auxiliary valve, a combined rockable structure including a reverse link lever and an auxiliary rocking lever, said radius rods connected to the respective levers for adjustment toward and away from the pivot axis of the rockable structure, and manually-adjustable means connected to the radius rods to effect their adjustment upon the rockable structure.

2,472,285
LID FASTENER
Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application June 12, 1944, Serial No. 539,936
12 Claims. (Cl. 16—147)

4. In a lid fastener, the combination of a base plate having outstanding walls notched at one end, a member comprising a pin adapted to be received in the notched portion of the base plate and

having means for attachment to a box part, and a toggle carried by the base plate having means



for engaging the pin to hold it in the notched portion.

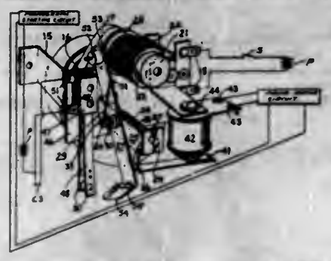
2,472,286
UMBRELLA CARRYING GARMENT
Akivah Drasnin, Buffalo, N. Y.
Application May 18, 1948, Serial No. 27,738
5 Claims. (Cl. 2—247)



1. In an outdoor umbrella carrying garment supported principally from the shoulders of the wearer, the combination comprising a side panel descending to at least the wearer's knees and covering the lateral outer side of the wearer's thigh, and fabric means secured to said garment and forming a vertically elongated sheath-like pocket open at its upper end and closed at its lower end and of a length approximately equal to the distance between the thigh and knee of the wearer and arranged in such position on the inner side of said side panel that said open upper end is generally in line with the hips of the wearer and said pocket extends downwardly along the lateral outer side of the wearer's thigh and with said lower end being arranged adjacent the wearer's knee in the erect position of the wearer, said open upper end of said pocket providing an inlet and outlet therefor for a collapsed umbrella of a length substantially equal to the length of said pocket thereby to permit said umbrella to be carried in said pocket with the upper end of said umbrella not extending above the wearer's hip whereby the wearer can walk, sit and bend freely without unsightly bulging from or interference with said umbrella in said pocket.

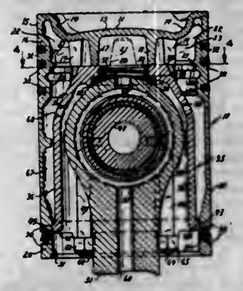
2,472,287
AUTOMATIC TIME CONTROL DEVICE FOR COIN-OPERATED PHONOGRAPH APPARATUS
Lyndon A. Durant, Chicago, Ill., assignor to Royal Patent Corporation
Application May 21, 1947, Serial No. 749,486
2 Claims. (Cl. 161—1)

1. A control device for controlling the operation of a coin-controlled phonograph at predetermined intervals comprising a starting switch, a member for closing said switch, means for supporting said member for movement into switch closing position, means for moving said member into switch closing position, means for releasing said member from said moving means at the end



of the movement of said member in one direction for movement in a direction from said switch closing position, said releasing means including a rockable carriage carrying said member, and an electromagnetic element for rocking said carriage in a direction to release said member from said moving means.

2,472,288
PISTON
Louis E. Endsley, Pittsburgh, Pa., and Wesley W. Schettler and John Howard Lentell, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application January 26, 1948, Serial No. 4,244
3 Claims. (Cl. 309—16)



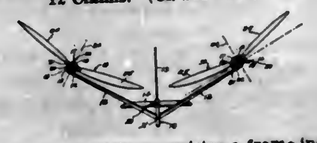
1. In a piston, a body having a crown and a skirt portion, said crown portion being formed with a central area of spherically convex form and an adjacent peripheral area of concavo-convex form integrally united at its outer margin with said skirt portion, an inner and outer series of strut members integrally formed with and depending from said crown portion, the strut members of the outer series being staggered relative to the inner series and being connected with said skirt portion at a zone below the concavo-convex area of said crown portion, whereby the said areas of the crown portion are unrestrainedly free to expand, contract and flex as a result of the thermal and mechanical forces incident to piston operation, and an insert member disposed in said body to bear against said skirt portion at axially spaced zones and to contact said strut members, said insert member having a recess opening inwardly of said inner series of strut members and

through which a cooling fluid may enter the crown portion of the body for flow across the said crown areas and between and around said inner and outer series of strut members to carry off the heat imparted thereto during piston operation.

2,472,289
BANANA PULP FREE FROM STARCH
Carl Ermert, Cincinnati, Ohio
No Drawing. Application August 25, 1947, Serial No. 770,553
1 Claim. (Cl. 99—100)

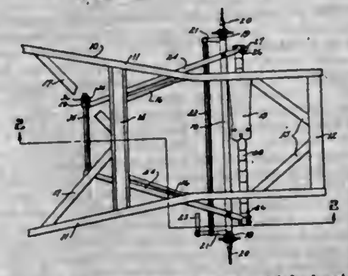
A process of making panana pulp free from starch which comprises heating peeled matured ripening bananas to 98° F. and slowly increasing the temperature to 140–160° F. within a confined space in an atmosphere of reduced pressure, whereby the naturally occurring ethylene is liberated from the banana throughout the pulp to cause an increase in activity of the naturally occurring enzymes; and finally terminating the heating when the hydrolysis of the starch in the banana pulp is complete.

2,472,290
HELICOPTER KITE
Robert W. Fernstrum, Detroit, Mich., assignor to Joy Products Company, Menominee, Mich., a corporation of Michigan
Application March 18, 1946, Serial No. 655,253
12 Claims. (Cl. 244—154)



1. A helicopter kite comprising a frame including a pair of oppositely projecting outriggers, a pair of plural-blade rotors rotatably mounted on said outriggers, a stabilizing plane structure disposed on said frame rearwardly of said outriggers, and a connection for attaching a flexible towing member to the forward portion of said frame, the axes of rotation of said rotors being disposed in upwardly converging directions.

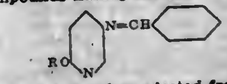
2,472,291
STABILIZER
Henry Ford, Dearborn, and Emory Nador, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application July 15, 1944, Serial No. 545,198
6 Claims. (Cl. 267—66)



1. In a stabilizer for a motor vehicle having a frame and a transverse axle, comprising, substantially straight rigid radius rods having their front ends fixedly secured to said axle adjacent opposite ends thereof and extending diagonally rearwardly and inwardly a substantial distance therefrom, a transverse torsion bar, the rear ends of said rods being rigidly secured to opposite ends of said transverse torsion bar for rotation therewith, and said torsion bar being journaled on said frame adjacent the connection of said rods to said bar and secured against substantial longitudinal movement with respect thereto.

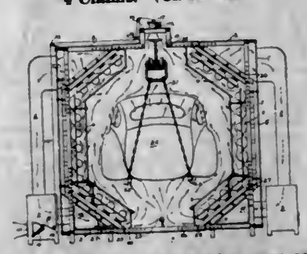
2,472,292
BENZYLIDENEAMINO COMPOUNDS OF PYRIDINE
Harris L. Friedman, New York, and Leo D. Braitberg, Yonkers, N. Y., assignors to Pyridium Corporation, Yonkers, N. Y., a corporation of New York
No Drawing. Application July 27, 1945, Serial No. 607,486
5 Claims. (Cl. 260—296)

1. Compounds having the general formula:



in which R is a member selected from the group consisting of alkyl radicals and alkoxy alkyl radicals having not more than eight carbon atoms and aryl radicals.

2,472,293
VENTILATED AND SHIELDED INFRARED OVEN
Fredrick J. Groven, Highland Park, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application September 20, 1945, Serial No. 617,637
4 Claims. (Cl. 34—60)

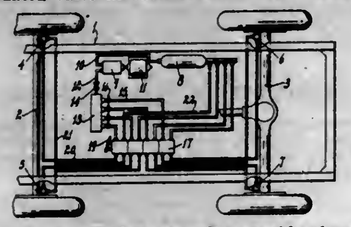


1. An infrared ray paint-baking oven comprising in combination, a framework, a housing over said framework, a series of electrically powered infrared ray sources adjustably mounted on said framework within said oven, perforated metal panels suspended within said oven in the path of said infrared rays and within a uniform distance of the sources thereof, blower means to provide a constant circulation of air in said oven, duct and vent means on the floor of said oven positioned so as to direct opposing currents of air into said oven and to result in upwardly eddying currents of air passing around and through said baffle plates, and an exhaust escape means.

2,472,294
HYDRAULIC SYSTEM FOR VEHICLE JACKS
Monroe D. Hall, Wilmington, Calif.
Application March 7, 1947, Serial No. 733,035
1 Claim. (Cl. 254—96)

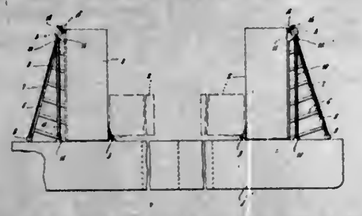
In a hydraulic system for vehicle jacks, the combination of a plurality of jacks fixedly at-

tached to a vehicle, a hydraulic pump, a reservoir connected to said pump, a pressure line extending from the pump, a manifold into which the pressure line extends, a control valve, a plurality of lines extending from the manifold, each of the lines extending to the control valve, a manually actuated valve in each of said lines extending



from the manifold, a manually operable plunger in the control valve, lines extending from the control valve to the up and down side of each of the jacks, said plunger being adjustable to direct fluid to either the up or down side of the jacks, and return lines extending from the control valve to the reservoir.

2,472,295
OPERATING AND CONTROLLING APPARATUS FOR DRY DOCK SIDE WALLS
Frederic R. Harris, New York, N. Y.
Application August 9, 1944, Serial No. 548,658
7 Claims. (Cl. 114—45)



1. A dry dock having a pontoon hull, a wall section hinged thereon, a pair of columns pivotally mounted on said hull and joined together at their upper ends, a capstan screw on one face of said wall section, and an element connecting the screw to the upper ends of both columns, and means for rotating said screw to actuate said columns to raise and lower said wall section to vertical and horizontal position respectively.

2,472,296
SOLDERING IRON TIP
Merton R. Hartnell, Chicago, Ill.
Application October 12, 1946, Serial No. 702,889
1 Claim. (Cl. 113—105)



A soldering iron tip comprising a copper core portion, a coating of nickel thereon and a coating of rhodium over the first mentioned nickel coating.

2,472,297
EXPLODING SHIP TOY
Harry C. Holt, Cranston, R. I.
Application October 5, 1945, Serial No. 620,439
5 Claims. (Cl. 272—102.1)



1. A toy comprising a pair of normally straight flexible resilient members with their ends in adjacency, at least one pair of adjacent ends being held in wedge shape adjacency by a hook on one member extending over and slidably frictionally engaging the surface of a portion of the other member along one of the surfaces of the wedge, means at the other pair of adjacent ends to connect said ends for relative longitudinal movement, a block extending between and frictionally engaging said members intermediate their pairs of adjacent ends and spreading said members apart between their ends causing at least one of said members to be bowed having an inherent tendency to straighten thereby urging said hook and its engaged portion together along one of said wedge surfaces whereby repeated jarring of said members causes said hook to creep along the wedge-like surface it engages until disengaged.

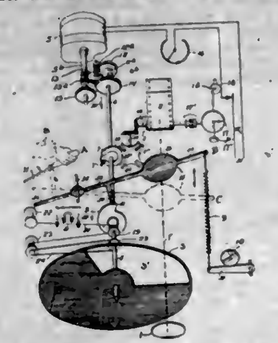
2,472,298
CLEANING, PENETRATING, AND CORROSION LOOSENING COMPOSITION
Charles A. Jensen, Buffalo, N. Y.
No Drawing. Application September 6, 1945, Serial No. 614,815
1 Claim. (Cl. 252—49.9)

A cleansing, penetrating and corrosion loosening composition consisting essentially of phosphorus trichloride and a liquid petroleum hydrocarbon consisting essentially of lubricating oil and kerosene in the approximate proportions of 25% of lubricating oil and 75% of kerosene, said phosphorus trichloride and liquid petroleum hydrocarbon being in the approximate proportion of 0.3 to 1.0 gram-atoms of chlorine to one liter of the composition.

2,472,299
UNIVERSAL MOTION AND STILL PICTURE CAMERA
Ivan Jerome, Massapequa, N. Y.
Application June 12, 1944, Serial No. 539,908
4 Claims. (Cl. 88—18)

1. In a photographic camera, an operating shaft, means to intermittently move and stop the film at the rotation of said shaft, means to operate said shaft at a high speed, for motion pictures, or at a low speed, for still pictures, as desired, a rotary shutter on said shaft, a pivoted focal plane shutter, a resilient element acting on said focal plane shutter and having a tendency to place the same within the path of the light beam and quickly shut off the same, a cam on said operating shaft adapted to act on said focal plane shutter, normally having a tendency to place the same out of the path of the light beam but adapted to release it at a predetermined phase of its rotation and permit said resilient member to quickly close said shutter, both shutters operating when it is desired to take still pictures, and means to place said focal plane shutter into inactive position, out of the path of the light beam, when it is desired to take motion pictures; said focal

plane shutter being movable on a pivoted arm, and the resilient means acting thereon being in the form of a coil spring, one end of said spring being secured to an arm pivoted on a stationary center, the other end of the same being secured to said



pivoted arm carrying the focal plane shutter, and means to move said pivoted arm for the first end of said coil spring in one or in the other direction thereby to increase or decrease the tension on said shutter and the speed of its closing.

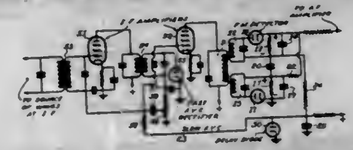
2,472,300
SELF-FASTENING CORD HOLDER
Ray V. Kemplin, Chicago, Ill.
Application January 5, 1946, Serial No. 639,239
1 Claim. (Cl. 242—96)



A cord holder formed of a single wire and having a pair of spaced convolutions at each end connected by a straight portion of the wire on one side of the centerline of the two convolutions and parallel thereto and straight end portions of the wire extending from the pairs of convolutions into abutting relation on the other side of the centerline of the two convolutions and in spaced parallel relation thereto, the straight spaced parallel portions forming a body portion upon which the cord may be readily wound and the two pairs of convolutions each providing a fastening means for the cord passing through the space between the same.

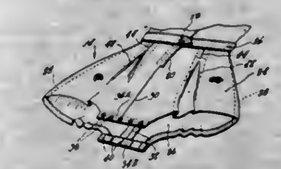
2,472,301
FREQUENCY MODULATED-AMPLITUDE MODULATED RECEIVER
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application February 5, 1944, Serial No. 521,193. Divided and this application March 2, 1945, Serial No. 580,683
4 Claims. (Cl. 250—20)

1. In a frequency modulation receiver, a frequency discriminator including a pair of load resistors across which direct current voltages appear as a result of detection, conductive means for connecting said resistors in series-aiding relation with respect to said voltages, a slow-acting circuit for applying the resultant of the voltages to a portion of the receiver as a first gain control voltage thereof, means for deriving from the received frequency modulated signal a second control voltage which is representative of relatively fast amplitude variations of the signal,



means coupled to said resistors for deriving a detected modulation voltage representative of the frequency modulation of the received signal, and a fast-acting circuit for applying said second control voltage to a portion of the receiver as a second gain control voltage.

2,472,302
FEMININE GARMENT
Samuel Litt and Edward Litt, New York, N. Y.
Application December 12, 1946, Serial No. 715,692
2 Claims. (Cl. 2—80)

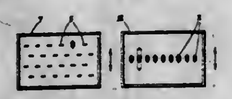


1. A unitary garment comprising a waist part and a skirt united with each to form a one-piece garment, said skirt flaring downwardly from the waist and the front of said skirt being provided with folds disposed at opposite sides of the vertical median line of the garment and extending downwardly from the waistline of the garment to the bottom thereof, portions of each of said folds being stitched together along a vertical line extending a short distance down from the waistline, the remaining portion of each of said folds being free to expand and contract laterally of the wearer, whereby the garment is fitted at the waistline without impairment of the flare of said skirt, the lower marginal edge portions of said skirt having centrally disposed crotch-forming parts at the back and front, respectively, of the garment provided with separable fastening means for releasably securing said crotch-forming parts together, said crotch-forming parts, when unfastened from each other, extending longitudinally of the lower edge of the skirt.

2,472,303
METHOD OF GROWING CRYSTALS
Edward J. Malone, Maple Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application June 10, 1946, Serial No. 675,533
3 Claims. (Cl. 171—327)

1. A method of growing crystals which comprises the steps of providing seed bodies cut from crystals of the material to be crystallized; planting the seed bodies in a solution of the said material; causing a flow of the solution relative to

the seed bodies and meanwhile progressively lowering the temperature of the solution until growth of at least some of the seed bodies to a superficially sound crystal form typical of the material in solution is effected; picking from the solution all of the seed crystals so grown; segre-



gating such of said seed crystals as are superficially unsound and uncertain on further growth of producing sound or economically useful crystal material; replanting the remaining superficially sound seed crystals in solution of the material to be crystallized; and effecting further growth of the replanted crystals to desired size.

2,472,304
METHOD OF ETCHING ALUMINUM
Ralph B. Mason, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 13, 1944, Serial No. 526,215
11 Claims. (Cl. 41—43)

1. The method of etching aluminum surfaces, which includes making the surface an anode in an electrolytic cell, the electrolyte of which is an aqueous solution having as the essential etching component at least 0.5 per cent by weight of a compound selected from the group consisting of barium hydroxide and strontium hydroxide.

5. The method of preparing a printing plate having an aluminum surface, which comprises coating a portion of said aluminum surface with an etch resisting material, and subjecting the uncoated portion of said surface to the action of an etching medium, consisting of an aqueous solution having as the essential etching component at least 0.5 per cent by weight of a hydroxide selected from the group consisting of barium hydroxide and strontium hydroxide.

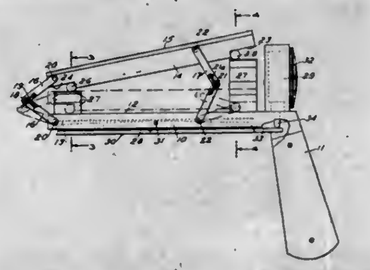
2,472,305
POST PULLER
Charles F. Miller, Denver, Colo.
Application April 15, 1946, Serial No. 662,120
6 Claims. (Cl. 254—135)



1. A post puller comprising a single rigid strut, a ground-engageable base on one end of said strut, a chain-engageable, notched plate on the other end of the strut to selectively receive links of a draft chain end-secured to a member to be uprooted and thereby determine the angular disposition and consequent leverage of said strut, and a post-engageable arm projecting laterally from an intermediate strut portion.

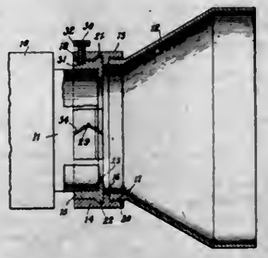
2,472,306
TAPER MEASURING INSTRUMENT
Octavius J. Minsto, Philadelphia, Pa.
Application July 20, 1946, Serial No. 685,081
3 Claims. (Cl. 33—174)

1. An instrument for measuring the internal taper of a bore, comprising a base having a plane surface, a sine bar attached to said base opposite said surface and angularly adjustable relative thereto, means for adjusting said sine bar to a predetermined angle to said surface, a sensing



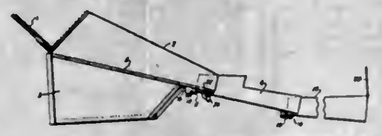
bar pivoted to said base on the opposite side of said base from said sine bar, and an indicating means operated by said sensing bar and calibrated to zero when said sensing bar is parallel to said surface.

2,472,307
COUPLING DEVICE FOR DETACHABLY SECURING SUNSHADES, FILTER HOLDERS, AND LIKE ACCESSORIES TO THE LENS BARRELS OF CAMERAS
Henryk Nagel, Bronx, N. Y.
Application January 23, 1946, Serial No. 642,792
4 Claims. (Cl. 88—1)



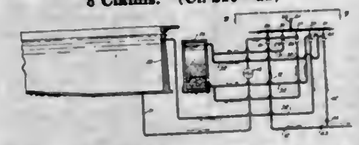
1. In a device of the character described, a tubular holding member having an inner surface, means for detachably fixing a camera lens attachment to said holding member, said holding member having an inclined portion on said inner surface, a split ring having an outer inclined peripheral surface complementary to and coacting with said inclined portion of said tubular holding member, a shoulder extending from said inner surface of said tubular holding member against which said split ring laterally abuts, and an element threaded through said tubular holding member and engageable with said split ring to bear against and contract the latter about a lens barrel.

2,472,308
SEGMENTAL CHUTE FOR LOADING MATERIALS
James O'Halloran, Quebec, Quebec, Canada, assignor to Anglo-Canadian Pulp and Paper Mills Limited, Quebec, Quebec, Canada, a corporation of Quebec
Application February 10, 1947, Serial No. 727,644
In Canada December 17, 1946
5 Claims. (Cl. 302—14)



1. A loading chute for materials comprising a plurality of overlapping chute sections, and means connecting the overlapped sections for relative vertical and horizontal swinging movement comprising a bar mounted on the rearward end of each section, hinge portions carried by the bar, a second bar pivotally carried by the forward end of the adjacent overlapping section and having complementary hinge portions, and a rod pivotally engaged by all said hinge portions.

2,472,309
SWIMMING POOL APPARATUS
Earl J. Opsahl, North Hollywood, Calif.
Application September 14, 1945, Serial No. 616,274
8 Claims. (Cl. 210—11)



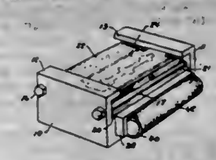
1. In a filtering and draining system, having a series of filter and drain lines, the combination of; a plurality of valves in said lines, a pump to force the water through said lines and said filter, a motor to drive the pump, an electric circuit for the motor, and common selective means for operating said valves selectively and simultaneously closing said circuit to energize said motor to operate said pump upon each selective operation of the common selective means.

2,472,310
PROCESS FOR PREPARING THE ETHYNYL CARBINOL OF β-IONONE
William Oroshnik, Brooklyn, N. Y., assignor to Ortho Pharmaceutical Corporation, a corporation of New Jersey
No Drawing. Application March 19, 1946, Serial No. 655,007
1 Claim. (Cl. 260—617)

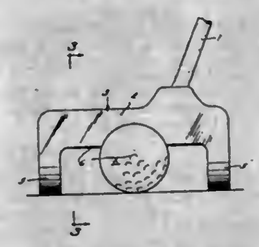
A method for producing α-ethynyl (β-ionol) comprising in an inert solvent reacting lithium acetylide with β-ionone and hydrolyzing the resultant reaction product.

2,472,311
RAZOR SHARPENER
Thomas M. Page, Detroit, Mich.
Application March 28, 1947, Serial No. 737,764
9 Claims. (Cl. 51—156)

9. A razor sharpener comprising a member having a surface of concave cylindrical form designed to sharpen a razor blade reciprocated thereon, means including said member forming an enclosed slideway adjacent and generally parallel to said surface, and a magnet reciprocably mounted in said slideway with its magnetic axis perpendicular to the axis of said surface and capable of moving a magnetically permeable razor blade over said surface.



2,472,312
PUTTER
Sherman S. Parrish, Minneapolis, Minn.
Application November 21, 1947, Serial No. 787,439
7 Claims. (Cl. 273—77)



1. In a golf ball putter, a shaft, and an elongated putting head on the end of the shaft, said head comprising an elongated main body equipped at laterally-spaced ends with depending gauge-acting leg elements, said leg elements being of equal length, the bottom edge of said main body intermediate said leg elements being longitudinally straight and spaced from the plane of the bottom of the leg elements a distance less than the diameter of a golf ball but greater than the radius thereof.

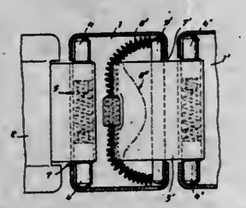
2,472,313
FLYWHEEL MAGNETO
Russell E. Phelon, West Springfield, Mass.
Application June 13, 1946, Serial No. 676,413
14 Claims. (Cl. 171—209)



1. A flywheel magneto for an internal combustion engine comprising in combination, a rotatable shaft, a stationary core structure adjacent

the shaft including three circularly spaced poles all positioned within an arc of approximately 180° or less and having their outer faces equidistant from the shaft axis and also including primary and secondary coils surrounding the intermediate pole, a flywheel secured to the shaft and having an annular flange formed of magnetic material and surrounding the core structure, two permanent magnets directly engaging at their outer extremities with the internal face of the annular flange, the said magnets being circularly spaced within an arc of substantially less than 180° for simultaneous radial register respectively with the center pole of the core and with one of the other poles thereof and the said magnets being oppositely charged radially, and two separate circularly spaced pole pieces directly engaging the inner extremities of the respective magnets and having arcuate inner faces concentric with the axis of the shaft and movable in close proximity to the outer faces of the poles of the core structure which pole pieces cooperate with the magnets and with the annular flange of the flywheel to provide a magnetic circuit having inner pole faces of opposite polarity.

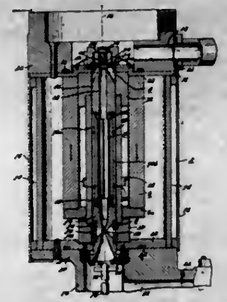
2,472,314
EXPANSIBLE BRACELET
Armand Pretre, Geneva, Switzerland, assignor to Montres Rolex SA (Rolex Watch Co. Ltd.), a corporation of Switzerland
Application January 31, 1948, Serial No. 5,642
In Switzerland February 5, 1947
5 Claims. (Cl. 59—79)



1. In an expansible bracelet or the like, in combination a plurality of connected units, each unit comprising a box-like outer member and an inner link hingedly connected therewith and slidably mounted in the outer member of the next adjacent unit, an arcuate coil spring housed within the box-like outer member of each unit, said arcuate coil spring bearing by its extremities against said outer member and being attached by its median portion to the link of the preceding adjacent unit, whereby expansion of the bracelet causes said arcuate coil spring to be centripetally deformed in the direction of its chord.

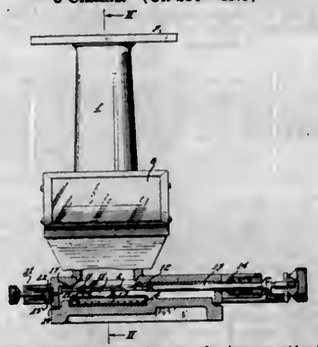
2,472,315
VARYING THE GAP SPACING OF POLE PIECES FOR ELECTRON OPTICAL APPARATUS
John H. Reisner, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1948, Serial No. 17,846
8 Claims. (Cl. 250—49.5)

1. In an electron optical system which includes a pair of magnetic electron lenses, a first pair of pole pieces providing a fixed gap for one of said lenses and a second pair of pole pieces providing a variable gap for the other of said lenses and means for changing the strength of said other



lens by varying said variable gap without changing the strength of said first mentioned lens.

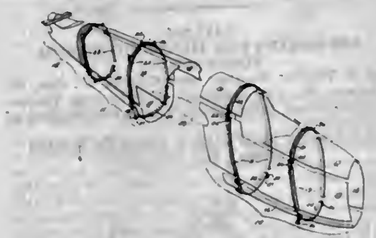
2,472,316
ELECTRON OPTICAL INSTRUMENT
Alexander M. Rennie, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application November 28, 1947, Serial No. 788,723
6 Claims. (Cl. 250—49.5)



1. The combination in an electron-optical instrument having an axis along which electrons travel and containing a movable viewing screen, an electron-sensitive target and a shutter for said target mounted along said axis with said shutter normally interposed between said screen and target, of means for moving said viewing screen into and out of the path of said electrons, and means responsive to said movement of said screen for closing and opening said shutter, whereby selectively to expose said screen and said target to said electrons.

2,472,317
METHOD OF AIRCRAFT FUSELAGE CONSTRUCTION
Charles E. Sorensen, Detroit, and Logan C. Miller, Ann Arbor, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application May 17, 1943, Serial No. 487,278
1 Claim. (Cl. 29—286)

The method of assembling an airplane fuselage from a plurality of subcomponent parts comprising assembling the individual subcomponents on individual jigs, securing said subcomponents to a rigid supporting member while still supported in the jig, the rigid supporting member comprising a segmental structure conforming internally substantially to the exterior of the subcomponents at a selected vertical section and being provided at the ends with mating surfaces, removing the subcomponent and supporting member from the jig, bringing together in predetermined order a plurality of these subcomponents and supporting members and also at least one supporting member without the corresponding subcomponents so that the mating surfaces of



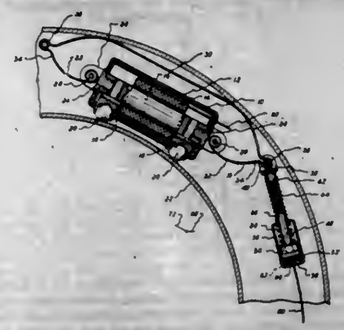
the supporting members are in abutting relationship and the supporting members become in effect a segment of a complete ring without barring free access to the interior of the fuselage past the supporting member which is devoid of subcomponents, securing these supporting members at their end in abutting relationship, permanently securing the subcomponents together, removing the supporting members which carry no subcomponents, replacing such supporting members with supporting members carrying subcomponents, permanently securing the newly added subcomponents to the previously added subcomponents to form a section of the fuselage and removing all the supporting members.

2,472,318
INHIBITOR
Philip Subkow, Los Angeles, Calif.
No Drawing. Application March 27, 1943, Serial No. 480,871
7 Claims. (Cl. 252—45)

1. A mineral lubricating oil composition comprising a lubricating oil fraction and a compound of the general formula RSR'SR where R is one of the groups taken from the class consisting of an aryl, alkyl aryl and substituted aryl, alkyl aryl groups, and where S is sulfur and R' is a low molecular weight alkyl group taken from the group consisting of methyl and ethyl groups, said compound being present in an amount sufficient to inhibit oxidation of said oil.

2,472,319
MAGNETIC GAUGE FOR CONDUITS
Howard L. Turner, Jackson, Mich.
Application December 7, 1944, Serial No. 567,105
1 Claim. (Cl. 175—183)

A measuring device for determining the amount of corrosion or other foreign deposits on the inner walls of both bent and straight tubes, pipes and the like, comprising an electromagnet unit having opposed pole portions adapted to ride along the inner surface of the tube being measured, a resilient distortable carriage for said electromagnet having resilient portions extending before and after said electromagnet unit and constructed and arranged to urge said electromagnet toward the inner wall of the tube, said resilient portions being adapted to engage the inner wall of the tube opposite that part of the inner wall along



which the opposed poles of said electromagnet ride, and distortable means directly connected to said carriage for applying traversing force indirectly to said unit for moving said unit through both straight and bent tubes and the like.

2,472,320
METHOD OF HEAT-TREATING STEEL
Gosta Vennerholm, Dearborn, and Harry D. Ford and Frederick C. Young, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
No Drawing. Application February 5, 1941, Serial No. 377,540
2 Claims. (Cl. 148—16.5)

2. A method of treatment of steel for the purpose of producing a wear-resistant outer surface thereof which comprises the heating of the steel within a temperature range of 1300 to 1500° F. in an atmosphere of NH_3 and generator gas in ratios within the range from 1.1 parts NH_3 to 1.0 part generator gas as a lower limit to 1.8 parts NH_3 to 1.0 part generator gas as an upper limit said atmosphere being substantially free of hydrocarbons and employed in amounts sufficient to cause the formation of a wear and corrosive resisting outer surface layer of austenite on such steel.

2,472,321
RECEPTACLE CLOSURE LOCK
Walter L. Vinson, Sherman Oaks, Calif.
Application November 23, 1946, Serial No. 711,949
10 Claims. (Cl. 220—58)

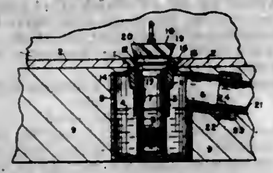
1. The combination with a receptacle having a flanged closure therefor, a bead on the lower edge of the flange of the closure, a flange on the receptacle as a seat for the beaded edge of the closure flange; of a pair of brackets fixed to opposite sides of the receptacle, cup-shaped cam members encompassing said brackets, pivots on which said cam members are mounted to turn, a ball fixed to said cam members so that said cam members will turn when the ball is raised and lowered, latch hooks having shanks slidably and vertically adjustably supported on said pivots within said brackets, spring means for forcing said hooks outwardly on said pivots, said cam members including circular body portions

through which said pivots extend and to which the ends of the bail are fixed, annular flanges on said bodies facing the sides of the receptacle, and cam surfaces arranged on the annular flanges of said cam members for contacting said



shanks of said hooks and moving the hooks against the action of said spring means into locking engagement with the bead on said closure incident to lowering the bail to either side of the cam and for releasing said hooks when the bail is raised.

2,472,322
SANITARY TRAP FOR BATHTUBS
David Weissman, New York, N. Y.
Application May 12, 1948, Serial No. 26,680
2 Claims. (Cl. 182—20)



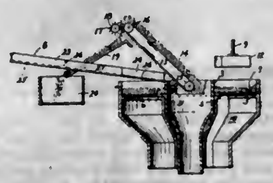
1. In a sanitary trap for a bath-tub which is provided with a bottom outlet, a closed trap casing located underneath said bottom outlet, a discharge pipe attached to the upper portion of said casing, an opening in the top of said casing, a hollow fitting inserted into the tub outlet engaging said top opening, said fitting having a depending flange extending beneath the discharge level of said casing and forming a liquid seal, a dirt collector open at the top and closed at its bottom end removably carried by said fitting and openings in the collector wall underneath the discharge level of said trap casing.

2,472,323
ARC WELDING
Alanson U. Welch, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 3, 1945, Serial No. 580,855
23 Claims. (Cl. 315—166)



1. The method of welding with an arc energised from a source of alternating current which comprises establishing said arc between electrodes having substantially different electron emissivities at the temperatures produced by the operation of said arc which consequently acts to produce a substantial direct current component of current flow through said arc and its energising circuit, reducing preferably to zero the direct current component of current flow through said arc and its said energizing circuit by reducing the conductivity of the energising circuit of said arc during half cycles of that polarity of said alternating current source when the arc is more conductive as a result of the difference in electron emissivity of said electrodes.

2,472,324
APPARATUS FOR HANDLING LIQUID SUSPENSIONS
Dan B. Wicker, Dunbar, and Charles W. Cox, St. Albans, W. Va., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 4, 1944, Serial No. 529,540
1 Claim. (Cl. 210—196)

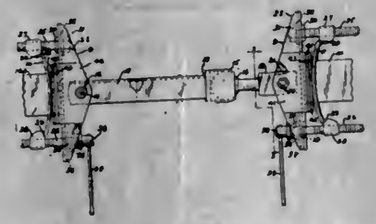


In an apparatus which comprises a rotating foraminous annular surface disposed in a horizontal plane and a trough inclined from the vertical for depositing a liquid suspension of particulate material thereupon so that the amount of suspension deposited on any given unit width of the annular surface is directly proportional to the relative linear velocity of such unit, said trough having a delivery edge the projection of which on the annular surface effectively defines substantially an arc of a circle and the locus of the center of which circle lies on the annular surface on a radial line through the center of said surface extending at a right angle to the longitudinal axis of the trough, and the termini of which arc coincide with the inner and outer peripheries of the annular surface, the locus of points on said arc being ascertainable from the equation

$$(R_t^2 - R_o^2) = K\ W$$

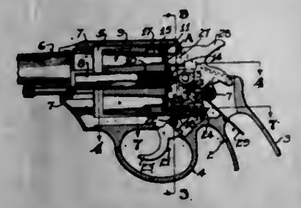
(where R_o is the inside radius of the annular surface and K is a factor determinable by substituting in the equation the outside radius of the annular surface for R_o and the width of the trough for W) by dividing the width of the annular surface into a number of portions between imaginary concentric circles and substituting the value of the radius of the outer circle defining each portion for R_t in said equation, solving for W, and dividing the trough into parallel, longitudinally extending strips between imaginary lines spaced from that edge of the trough which extends to a point above the inside periphery of the annular surface distances corresponding to the values of W obtained, the intersections between the imaginary concentric circles and vertical planes through said parallel imaginary lines constituting the loci defining the arc.

2,472,325
TOW BAR
Chester Williams, Ypsilanti, Mich.
Application October 7, 1944, Serial No. 701,755
4 Claims. (Cl. 280—33.14)



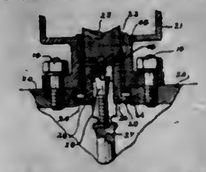
1. A tow bar of the character described adapted for bumper to bumper attachment between a towing vehicle and a towed vehicle, comprising a comparatively long and a comparatively short section, a ball and socket joint between the said sections, the said short section having a clamp rigidly secured thereto, said clamp being arranged to be secured to the rear bumper of the towing vehicle and the long section having a clamp pivotally secured thereto, said last named clamp being arranged to be secured to the front bumper of the towed vehicle, each of said clamps consisting of a channel member having an outwardly extending thrust plate on each side thereof, said channel member having longitudinal slots therein adapted to accommodate attaching bolts, attaching bolts in said slots, and lugs on said bolts adapted to engage the edges of an automobile bumper.

2,472,326
CYLINDER ROTATING MECHANISM FOR REVOLVERS
Mildred Dodge Youker, Los Angeles, Calif., assignor, by mesne assignments, to Malcolm P. Youker, Santa Rosa, Calif.
Application October 14, 1946, Serial No. 703,160
11 Claims. (Cl. 42—67)



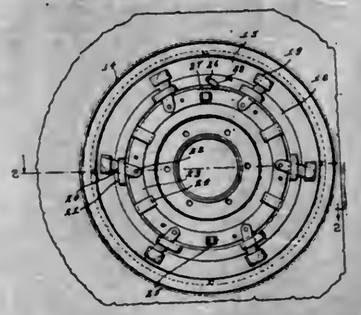
1. A revolver, comprising: a frame structure; a cylinder journaled therein, an annular cam track in the form of a channel recessed in the breech end of said cylinder, said cam track including a circumferential series of cam faces separated by keeper recesses; and a cam engaging member mounted within said frame structure for movement into and out of said cam track, the slope of said cam faces being such that upon movement of said member into said cam track a partial rotation is applied to said cylinder, said keeper recesses receiving said member upon completion of such partial rotation to lock said cylinder until said member is withdrawn.

2,472,327
DISTRIBUTOR COUPLING
Emil Zoerlein, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application July 19, 1945, Serial No. 605,913
3 Claims. (Cl. 123—146.5)



3. In an internal combustion engine, a driving system for the ignition apparatus terminating in a shaft the driving end of which is substantially flush with a surface of the engine, and a collar secured to the driving end of said shaft, said collar being capable of rigid attachment to the shaft in an infinite number of angular relationships, being unsymmetrically slotted to receive a mating member of the ignition apparatus and being journaled in the same bearing which supports the mating member.

2,472,328
SEPARABLE RIM
Frank W. King, Portland, Oreg.
Application October 1, 1945, Serial No. 619,563
3 Claims. (Cl. 152—402)

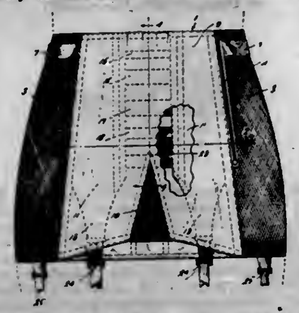


1. A combined wheel and rim comprising a disk wheel, a fixed rim section secured to the periphery of said disk wheel, a separable rim section having pockets formed on its outer face, a ring rotatably mounted on the outer face of said disk wheel, locking dogs pivotally attached to said rotatable ring, and guide loops intermediate said ring and pockets to receive and direct said locking dogs into and out-of engagement with the pockets of said separable rim section upon rotation of said ring.

2,472,329
GARMENT
Joseph J. Kispert, Mount Carmel, Conn.
Application August 9, 1946, Serial No. 689,597
3 Claims. (Cl. 2—37)

1. A garment including a front section having an inner vest and an outer sheet covering the vest, said vest having side portions and an intermediate portion reinforced midway its width by vertical

stays, and strips of elastic fabric extending across the outer surface of the said intermediate portion and secured at their ends to side edges of the said intermediate portion, said elastic strips being vertically spaced from each other and progressively of increased width towards the lower



end of the intermediate portion and being of less length than the width of the said intermediate portion whereby the elastic strips will be stretched longitudinally in a direction transversely of the said intermediate portion when the garment is worn and exert pull to contract the vest transversely and apply pressure to the abdomen.

2,472,330
WEED ERADICATING MACHINE
William Klein and John Jaros, Warroad, Minn.
Application January 22, 1946, Serial No. 642,623
5 Claims. (Cl. 97—10)



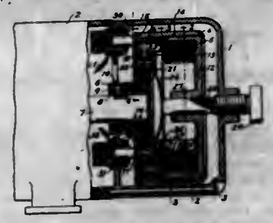
1. A weeder comprising a carriage, an articulated frame pivoted at its forward end to the carriage, a weeding drum rotatably mounted on the frame intermediate its ends, means carried by the carriage for raising or lowering the mid-portion of the articulated frame, a movable screen mounted in the frame at the rear of the drum, means on the carriage to support the rear end of the frame in vertically adjusted position and means on the carriage to rotate the drum and move the screen in unison.

2,472,331
TRACTION ATTACHMENT FOR MOTOR VEHICLES
Fred G. Koehler, Chicago, Ill.
Application December 18, 1945, Serial No. 635,620
1 Claim. (Cl. 152—211)



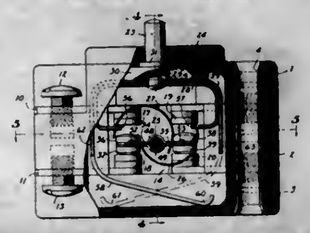
The described device consisting of a shoe segment and means for fixing the same to a tire, said segment having an abrasive inner surface and an outer traction surface, said means adapted to be secured under the rim of a wheel and held between the rim and the tire, said device being embedded in the body of the tire and having its outer surface exposed and substantially flush with the tread of the tire.

2,472,332
CIRCUIT INTERRUPTING DEVICE
Everard F. Kohl, Lakewood, Ohio
Application September 8, 1944, Serial No. 553,243
17 Claims. (Cl. 200—88)



1. Apparatus of the class described comprising a housing containing a conductive liquid, said housing being shaped to provide a narrow contact chamber and a segment chamber having a greater width and peripheral extent than the contact chamber, a contact arranged in the contact chamber which is in electrical circuit with said liquid when the casing is at rest, and a plurality of segmental blocks arranged in the segment chamber which are displaceable by the centrifugally-developed buoyant force of the liquid to provide a space in the second chamber for said liquid when said casing is moved about one of its axes at a predetermined speed to thereby interrupt the circuit between said contact and said liquid.

2,472,333
SNAP ACTING ELECTRIC SWITCH
Everard F. Kohl, Lakewood, Ohio
Application June 4, 1945, Serial No. 597,555
20 Claims. (Cl. 200—76)



10. Apparatus of the class described comprising a housing having a bottom wall, a pair of stationary contacts arranged in said housing, a centrally disposed floating shaft, and a second pair of spaced contacts arranged in said housing, said second pair of spaced contacts being movable into and from engagement with the stationary contacts and being arranged on opposite sides of said shaft and being electrically connected together and supported by said shaft, an actuator slidably mounted in said housing, means movable with said actuator having arms arranged on opposite sides of said shaft, means secured to said shaft and providing supports arranged

on opposite sides of the shaft, first and second similar resilient members, one of said resilient members being secured to the support arranged on one side of said shaft and to the arm arranged on the opposite side of said shaft and the other resilient member being secured to the support arranged on the opposite side of said shaft and to the other arm to thereby maintain said shaft in a balanced relation, the movement of said actuator being effective in moving said arms to change the direction of the force of said resilient members and to cause a snap motion of said shaft when the actuator is moved a predetermined distance to force the movable contacts into engagement with the stationary contacts with a snap motion and to maintain them in engagement with the stationary contacts when the actuator is held in one position, and resilient means associated with said actuator having portions disposed in overlapping relation and engaging the bottom of said housing which are flexed during the movement of said actuator to store energy therein which is effective in returning the parts to their original position when the force upon the actuator is released.

2,472,334
RECIPROCATING ELECTROMAGNETIC MOTOR
Harland L. McHenry, Sayre, Pa., assignor to Bendix Aviation Corporation, a corporation of Delaware
Application September 18, 1947, Serial No. 774,725
7 Claims. (Cl. 172—126)



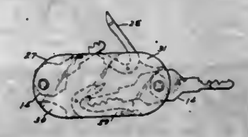
1. In an electromagnetic reciprocating motor, a cylinder of non-magnetic material, a piston of magnetic material slidably mounted therein, a spring for actuating the piston in one direction, a solenoid arranged when energized to move the piston against the force of the spring, means for controlling the energization of the solenoid including a fixed contact, a movable contact, a magnetized member carrying said movable contact pivotally mounted for movement toward and away from the cylinder, means for completing a circuit for the flux of said magnetized member including the piston in the cylinder and means for providing a shunt path for said flux which does not include said piston.

2,472,335
METHOD OF FLAMEPROOFING COMBUSTIBLE CELLULOSIC MATERIAL
Andrew McLean, West Kilbride, and Stanley Frederic Marrian, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 15, 1945, Serial No. 628,994. In Great Britain January 10, 1945
6 Claims. (Cl. 117—137)

2. A method as claimed in claim 1 wherein the cellulosic materials used for treatment with the pentaerythritol tetra-orthophosphate have been impregnated with an aqueous 8% to 12% polyethyleneimine solution.

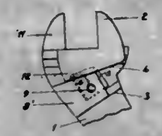
2,472,336
WITHDRAWN

2,472,337
KEY CONTAINER
Norman E. Olson, San Diego, Calif.
Application July 9, 1945, Serial No. 603,765
4 Claims. (Cl. 70—456)



1. A key container, comprising two transparent spaced plates connected and maintained in parallel relation by a bridge affixed thereto and conforming to the adjacent edges thereof, means for pivotally securing a key or keys to and between said plates at one end portion thereof, and a U-shaped ejector septum pivotally connected to and extending between said plates at the opposite end portion thereof and normally acting to seat its lower lobe upon said bridge and substantially to close the space between said plates, but at the same time being operable to project the blades of said keys out of and to return said blades to the space between said plates.

2,472,338
WEDGE LOCKED, SLIDING SIDE JAW WRENCH
Eric Ludvig Leonard Österdahl, Stockholm, Sweden, assignor to E. A. Bergs Fabriks Aktiebolag, Eskilstuna, Sweden, a joint-stock company of Sweden
Application March 9, 1945, Serial No. 581,736
In Sweden February 1, 1944
1 Claim. (Cl. 81—151)



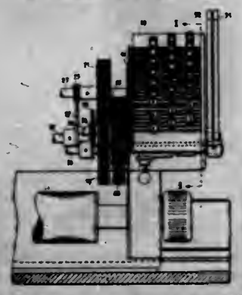
A wrench including a handle provided with a transverse opening and having correspondingly inclined shoulders on opposite sides thereof directly beneath and parallel with the bottom of the opening, a fixed jaw on the outer end of the handle, a bifurcated movable jaw straddled about the outer end of the handle for lateral sliding movement thereon relative to the fixed jaw, said movable jaw including identical leg portions having correspondingly inclined inner edges positioned at an angle relative to the shoulders and to the direction of movement of the movable jaw, a locking member including two identical parts positioned on opposite sides of the handle, a pintle extending through the opening for free movement therein and operably connecting the parts of the locking member together, and a spring seated in the opening and carrying the pintle for yieldably holding said locking parts against the inclined edges of the movable jaw and the shoulders on the handle.

2,472,339
SEAT, ESPECIALLY FOR RAIL CARS
John W. Patton, Philadelphia, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application January 15, 1945, Serial No. 572,773
8 Claims. (Cl. 155—171)



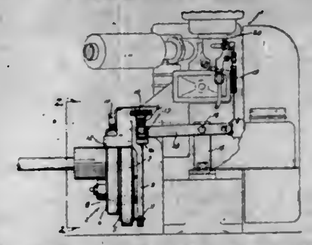
1. Revolving seat, especially for vehicles, comprising a base and rotatable thereon a structure carrying the seat and back rest cushions, a seat cushion extension and foot rest, a pair of links extending in the longitudinal direction of the seat on both sides of said extension and journalled by one of their ends to a structure spaced from and located in front of the seat and by their other ends to said extension near one of the latter's margins at a location, in the position of use of the extension, about midway between the front margin of the seat cushion and said structure, means for supporting the ends of the links attached to the said extension above the floor at a lower level than the points of attachment to said structure, supporting means on said seat for the margin of said extension which is remote from the margin journalled to the links, means for holding said extension in a position upwardly inclined toward said structure so that it constitutes an inclined foot rest, and means for holding the extension and the links in generally upright position.

2,472,340
SHEET FEEDING AND POSITIONING MECHANISM FOR TYPEWRITERS
Giuseppe Prezioso, Yverdon, Switzerland, assignor to Paillard S. A., a corporation of Switzerland
Application December 29, 1945, Serial No. 638,280
In Switzerland March 13, 1945
9 Claims. (Cl. 197—128)



1. In a typewriter, a device for selecting the limiting position of a plurality of statement sheets to be fed in superposed relation on a journal sheet carried by the platen of said typewriter, comprising, a casing carried by the carriage of said typewriter, a plurality of means selectively operable and movably mounted on said casing and normally urged to inoperative position against said casing, a latch means carried by said casing and engageable with a selected one of said first means after movement of the same from said inoperative position for holding the selected one of said first means, and a plurality of means supported by said casing and each for limiting the feeding of a statement sheet and operable in a plane out of reach by said first means when in inoperative position but engageable with a selected one of said first means when the same is held by said latch means to stop the feeding of one of said statement sheets.

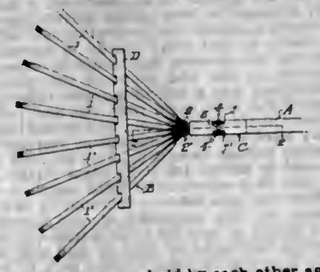
2,472,341
MOTOR ACCELERATION MEANS
Harding F. Roach and William R. Nelson, Des Moines, Iowa
Application April 18, 1947, Serial No. 742,320
3 Claims. (Cl. 74—472)



3. In combination with a motive power unit and a power transmission means to transmit power from the motive power unit to a member to be operated, said power transmission means comprising a first mentioned rotatable means connected to the motive power unit, a second rotatable means associated with the first mentioned rotatable means, a second pair of rotatable means spaced from the first and second mentioned rotatable means with a bracket means attached thereto, said bracket means attached movably to the motive power unit, means connecting the first and second mentioned rotatable means with the second pair of rotatable means, the transmission means put into operative relation by the second pair of rotatable means moving on the supporting bracket to increase the space between the first and second rotatable means to bring the connecting means into engagement with the rotatable members and the improvement comprising a bar member with one end thereof contacting a projection extending from the bracket, said bar member pivotally mounted on the motive power unit, a screw in one end of the bar member contacting the projection on the bracket, the other end of said bar member attached to the motive power unit to accelerate the motive power unit to the desired operating speed when the transmission means is placed into operative relation by the bar member being pivoted when the transmission means is engaged with the screw in the opposite end of the bar being adjustable to vary the length of movement of the end of the bar member attached to the motive power unit.

2,472,342
RAKE
Camille J. Rocquin, New Orleans, La.
Application May 20, 1946, Serial No. 670,987
7 Claims. (Cl. 56—400.17)

1. In a rake, the combination with a handle of a plurality of tines extending from the handle and having inner end portions bunched together for group attachment to said handle, each of said tine inner end portions being laterally deformed to provide an anchoring element, having an indentation on one side and a ridge on the opposite surface, the ridge of each element being complementary to the indentation of the adjacent element when said elements are mutually nested



whereby the tines are held by each other against individual movement longitudinally of said tine inner end portions; and a fastening member secured to said handle and embracing said tine inner end portions and maintaining said anchoring elements in said nested relationship.

2,472,343
FOUNTAIN PEN
Anthony G. Rosa, Lyndhurst, N. J.
Application March 19, 1946, Serial No. 655,499
2 Claims. (Cl. 120—44)



1. A fountain pen having a section made with an inner compartment terminating in a bore at one end thereof, a tube fixedly inserted in said bore, a weighted cylindrical member slidably arranged in said compartment, a writing tip point fixedly secured to said member and adapted to slidably move in said tube, said member being formed with an enlarged horizontal slot at the lower end thereof, and a pin loosely mounted in said slot, and secured in the section, whereby to permit an up and downward movement of the writing point.

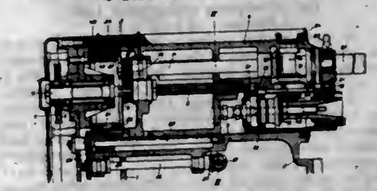
2,472,344
CIGARETTE CASE WITH CLIP FASTENER
Clifford W. Rosenbarger, Indianapolis, Ind.
Application December 16, 1947, Serial No. 790,887
1 Claim. (Cl. 24—3)

In a cigarette case, the combination of a receptacle having an openable top, a horizontal rib provided on the outer surface of said receptacle adjacent the top edge thereof, and a resilient clip having a horizontally angulated end portion rigidly secured to the upper surface of said top and extending therefrom downwardly past said rib for coaction with the adjacent side of said receptacle to frictionally retain the case on a support, the downwardly extending portion of said



clip being movable toward and away from the adjacent side of the receptacle and being formed with a recess to receive said rib whereby opening of said top may be prevented.

2,472,345
MILLING MACHINE WITH PIVOTING AND SLIDING HEAD
Charles Schäublin-Villeneuve, Bevilard, Switzerland, assignor to Schäublin S. A., Bevilard, Switzerland, a joint-stock company of Switzerland
Application April 9, 1945, Serial No. 587,282
In Switzerland March 14, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 14, 1964
7 Claims. (Cl. 90—17)

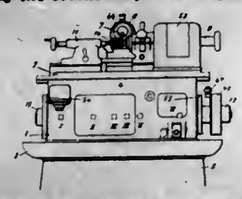


1. In a milling machine, a frame with a bore, a hollow cylindrical head slidably and pivotally mounted in said bore, a spindle with its rotation axis in a plane parallel to the rotation axis of said hollow head, a support carrying said spindle and mounted on said head adjustably around a revolving axis perpendicular to the rotation axis of said hollow head, said support having an outer circumference lying, together with said spindle, within the cross sectional area of said bore on said spindle being adjusted parallel to said rotation axis so as to allow withdrawing of said support and said spindle into said bore and driving means for said spindle, going through said hollow head.

2,472,346
MILLING MACHINE FOR FORMED CUTTERS
Ernst Schindler, Biel, Switzerland
Application November 11, 1943, Serial No. 509,911
In Germany September 9, 1942
3 Claims. (Cl. 90—15)

1. In a cam controlled milling machine of the kind described, a horizontal work supporting carriage, a vertical carriage, a cutter spindle, a sleeve chuck eccentrically mounting the cutter spindle on the vertical carriage, and first, second and third cam devices for determining the position of the cutter spindle with respect to the work piece at any stage for defining the work profile, the first cam device displacing the vertical carriage with the cutter spindle during cut-

ting, the second cam device displacing the horizontal carriage and the third cam device turning said sleeve chuck, an adjusting device comprising a rotatable ring having lineal graduations and indicating the eccentricity of said spindle, a sec-



ond rotatable ring having circular graduations, and a third ring keyed to the last mentioned ring and having a division indicating the position of the point of culmination relative to the said eccentricity, the several rings being mounted on the cutter spindle.

2,472,347

PREVENTION AND DESTRUCTION OF WEEDS

Wilfred Archibald Sexton, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application August 14, 1945, Serial No. 610,862. In Great Britain October 23, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 23, 1962
6 Claims. (Cl. 167—45)

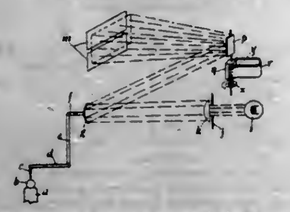
1. A composition suitable for destroying weeds comprising an aqueous dispersion of a compound conforming to the general formula $Ar.O.CH_2.Y$, in which Ar is selected from the group consisting of the phenyl radical, the naphthyl radical, and such radicals containing also at least one substituent selected from the methyl radical and halogen atoms, and Y is selected from the group consisting of the carbonamide, nitrile, and carboxylic ester radicals, the carboxylic ester being derived from an alcohol from the group consisting of aliphatic and cycloaliphatic alcohols containing not more than 10 carbon atoms, the compound being present in an amount sufficient to exert an herbicidal action.

2,472,348

MEASURING OR COMPARING DEVICE

Peter Graham Skinner, Cook Hill, near Alcester, England, assignor to Morris Motors Limited, Cowley, England

Application November 21, 1944, Serial No. 564,516
In Great Britain December 8, 1943
1 Claim. (Cl. 250—41.5)



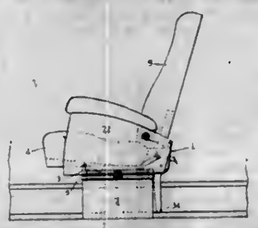
Apparatus of the kind specified for measuring or comparing the dimensions or forms of objects, comprising the combination of an electric light source, a pair of photo-electric cells arranged side by side and electrically interconnected in parallel and opposed relationship, an electrical instrument electrically connected to said cells so as to be responsive to differential illumination thereof, a movable reflector for diverting the light beam emanating from said light source, a support for the objects to be examined, a movable feeler arranged to bear on the objects placed on said support, means interconnecting said reflector and feeler so that said reflector is movable for deflecting the diverted light beam in response to variations in size and shape of the objects to be examined, and a second movable reflector for directing the light beam from the first reflector on to said photo-electric cells, said second reflector having electrical actuating means responsive to the same voltage as said light source, and being arranged to deflect the light beam relatively to said cells in a direction at right angles to that in which the light beam is deflected by said first reflector, so that movement of said second reflector serves to vary the cross sectional areas of the beam impinging on both of said cells without varying the response of said cells to movement of said first reflector.

2,472,349

REVERSIBLE SEAT

George C. Smith, Glenside, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts

Application June 21, 1945, Serial No. 600,749
7 Claims. (Cl. 155—96)



1. Reversing mechanism for a car seat or the like, comprising in combination, a base frame, a supported frame mounted for relative turning movement thereon, a continuous guiding trackway on one of said frames, said trackway including at least three connecting portions meeting at a common junction and extending in different directions, and spaced guided track followers on the other frame mounted for turning movement in said trackway to reverse the position of the frames and in so doing to reverse their positions on said trackway, said frames being unrestrained in relative turning movements except by said trackway and track followers, whereby either of the track followers is enabled to move along any portion of said trackway at some time during the turning movement of the seat.

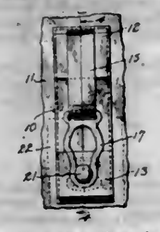
2,472,350

HOSIERY SUPPORTER

Roswell M. Taylor, Noank, Conn.

Application January 3, 1946, Serial No. 638,815
3 Claims. (Cl. 2—300)

3. In a hosiery supporter, a combined guide and anchor strip for a detachable hose supporting strap, said strap having mounted on one end a button head and having mounted on the other end thereof a key-hole fastener, said anchor strip being permanently affixed to the leg portion of a garment, and said anchor strip having a button hole in the lower portion thereof adapted to anchor the button head fastener on the strap to the strip, whereby the button head on



the said hose supporting strap is held in position in the button hole of said strip to cooperatively engage within the keyhole fastener, to thereby support hosiery from the leg portion of the garment.

2,472,351

COMBINED WATCHCASE AND BRACELET

Edward P. Tyler, North Hollywood, Calif.

Application September 4, 1945, Serial No. 614,198
4 Claims. (Cl. 224—4)



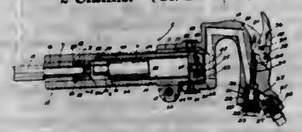
1. As a novel article of jewelry, a watch bracelet comprising an elongated strip of resilient material having its end portions curved to substantially oval form, but spaced apart sufficiently to permit passage of a wearer's wrist therebetween without spreading the ends of said strip to the extent of exceeding the elastic limit of said material, said strip having a recess therein, a watch movement fitted directly into said recess, and a crystal fitted to said strip with its edge encircling said recess and retaining said movement within said bracelet.

2,472,352

FLUID ACTUATED TOOL

Paul Van Sittert, Shaker Heights, Ohio, assignor, by mesne assignments to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application December 30, 1943, Serial No. 516,232
2 Claims. (Cl. 121—17)



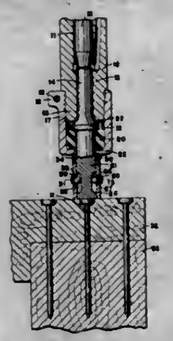
1. In a tool of the character described: a housing having a bore extending therethrough, a handle secured to one end of said housing, a fluid actuated plunger reciprocable within said bore formed with an operating tool engaging reduced end portion, a nose piece secured within the other end of said housing adapted to slidably receive the shank of an operating tool to be impinged by the reduced end portion of said plunger, a sleeve secured in said housing bore adjoining the inner end of said nose piece, said sleeve having a bore therethrough with an enlarged front portion surrounding the end of said shank and a reduced rear portion affording a sliding bearing for the reduced portion of said plunger immediately before and after impingement of said plunger on said shank, and means for admitting motive fluid alternatively into opposite ends of said housing bore for actuating said plunger, said means comprising a conduit in said housing terminating in a port adjacent to but spaced from said sleeve and adapted to be closed by said plunger whereby motive fluid is trapped longitudinally between said plunger and sleeve and laterally between the wall of said housing bore and the front end portion of said plunger.

2,472,353

NAILING ATTACHMENT FOR PNEUMATIC HAMMERS

Paul Van Sittert, Shaker Heights, and William E. Barth, Vermilion, Ohio, assignors, by mesne assignments, to Reed Roller Bit Company, Houston, Tex., a corporation of Texas

Application September 7, 1945, Serial No. 615,042
4 Claims. (Cl. 1—46.1)



1. In a percussive tool of the character described, a casing, a reciprocatory hammer therein, a nail set extending into said casing in line with said hammer to receive blows therefrom, said set having a cylindrical portion of uniform diameter projecting beyond the casing, a guard on the projecting uniform diameter portion of said set, said guard having a uniform bore slidably fitting said projecting portion, spring means for biasing said guard outwardly on said set, said set having a longitudinal groove, said guard having a radial opening adapted to register with said groove, and a detent held in said opening and movable in said groove for limiting outward movement of the guard.

2,472,354

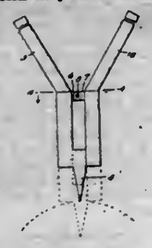
COCONUT HUSK REMOVING TOOL

Cecil P. Waters, Fort Lauderdale, Fla.

Application June 4, 1946, Serial No. 674,305
2 Claims. (Cl. 146—7)

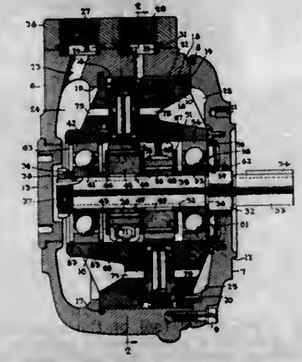
1. A cocoanut husk removing tool including a pair of pivoted, coacting inverted U-shaped head members having inwardly offset depending teeth formed on their lower ends, said teeth being transversely aligned when said tool is in closed position, and upwardly and outwardly ex-

tending handles formed on said head members adapted to extend in parallel relation when said



tool is in fully open position and the teeth are spread apart.

2,472,355
PUMP
David J. Whittingham, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application February 1, 1946, Serial No. 644,820
5 Claims. (Cl. 103—174)



1. A radial multicylinder pump comprising in combination, a two part closed hollow shell having means for connecting an inlet line and a discharge line and having a shouldered seat; a body mounted in said seat and clamped between the parts of said shell, said body having radial bores and means forming with the shell an annular passage surrounding the body and connecting the outer ends of said bores with said discharge connecting means, said body also having passages connecting other portions of said bores with said inlet connecting means; at least two resilient annular sealing rings compressed between the body and shell along the opposite margins of said annular passage and serving to isolate the inlet and discharge spaces within the shell; a radial pump mechanism comprising shaft, shaft bearings, eccentric cam, plungers, cylinders and valves, all sustained by said body, said shaft extending through an opening in the shell, and the body being removable from the shell upon separation of the parts thereof, while all the body-sustained parts remain in assembled relation; and a seal between said shaft and the shell around said opening.

2,472,356
4:7-DICHLORO-(2:1)-NAPHTHINDOLE-2:2'-(2':1')-NAPHTHATHIONAPHTHENE INDIGO
Donald Graham Wilkinson, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 4, 1947, Serial No. 789,759. In Great Britain December 4, 1946
2 Claims. (Cl. 260—322)

1. The new dyestuff 4:7-dichloro-(2:1)-naphthindole-2:2'-(2':1')-naphthathionaphthene indigo.

2,472,357
MOBILE BODY
Abraham Wolf, Vineland, N. J.
Application January 16, 1946, Serial No. 641,524
2 Claims. (Cl. 170—159)

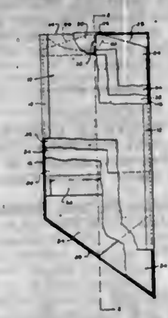


1. In a vehicle adapted to move through a fluid medium and including a rotary propeller for propelling said vehicle through said medium, a nose-piece comprising a substantially conical member mounted in advance of said propeller on an axis coincident with the axis of rotation of said propeller, said member being rotatable with said propeller and having a plurality of circumferentially distributed, helical grooves in the surface thereof each extending from its apex end to its base end, the number of said grooves being equal to the number of blades in said propeller, each of said grooves being associated with and terminating at the rear face of a separate one of said blades, said grooves being adapted to receive and guide therealong to the rear of said blades streams of said medium as said propeller rotates to advance said vehicle through said medium, the base end of said nose-piece being provided with a plurality of seats, one for each of said blades, said nose-piece being disposed against said propeller with the blades thereof received in said seats, and the base end of each of said grooves being positioned to direct tangentially onto the rear surface of the blade associated therewith the stream of said medium guided thereby.

2,472,358
FILM HOLDER
Otto E. Wolff, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application September 26, 1947, Serial No. 776,326
8 Claims. (Cl. 95—66)

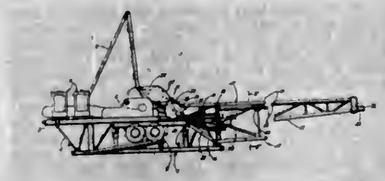
1. A composite photographic film unit comprising an envelope, and a sheet of photosensitive material in said envelope and slidably movable with respect thereto, said envelope comprising a sheet of material folded transversely thereof to form two walls joined by a folded edge, said sheet of material being opaque to light which is actinic to said photosensitive material, said folded edge having a notch therein a predetermined area of said photosensitive material along one edge thereof being uncovered by said notch, said one edge of said photosensitive material adjacent to

said uncovered area sloping away from said folded edge to form a cutting edge adapted to cut open



said folded edge to permit the withdrawal of said photosensitive material from said envelope.

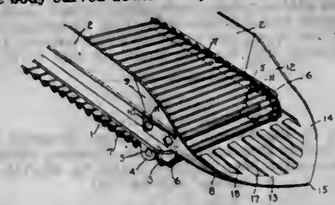
2,472,359
OIL WELL DRILLING APPARATUS HAVING CROWN BLOCK MOVABLE LENGTHWISE OF MAST
Homer J. Woolslayer, Cecil Jenkins, and William H. Luttgen, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 20, 1948, Serial No. 22,204
8 Claims. (Cl. 189—21)



1. Oil well drilling apparatus comprising a substructure, a power drum associated therewith, a mast mounted on the substructure and having an open side and a closed side, the lower end of one of said sides being hinged to the substructure to permit the mast to be swung down to a position along the ground, a crown block detachably mounted in the top of the mast, a traveling block in the mast, a line suspending the traveling block from the crown block and having one end attached to the drum for raising and lowering the traveling block, and a track inside the mast adjacent said closed side and extending from the top of the mast to a point near its bottom, the crown block being slidably supported by said track when the mast is in its lower position with the crown block disconnected from the top of the mast, whereby the crown block can be moved along the track toward the opposite end of the mast and onto the substructure.

2,472,360
POTATO DIGGER BLADE
Frank R. Wright, Nezperce, Idaho
Application July 26, 1945, Serial No. 607,185
3 Claims. (Cl. 55—137)

1. A potato digger blade, comprising a body having longitudinal slots in the bottom part thereof leading back from a point adjacent the front edge thereof, the sides of the front edge being curved forwardly to an apical point and the body curved downwardly and forwardly, rear-

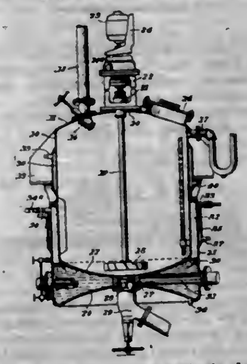


wardly and upwardly extending attaching and guard flanges or extensions on the body, and the side edges of the body gradually curved upwardly to meet the extensions or flanges.

2,472,361
ACTIVE HALOGEN COMPOUNDS AND PROCESSES FOR THEIR PRODUCTION
William C. Arsem, Bethesda, Md.
No Drawing. Application October 30, 1944, Serial No. 561,166
9 Claims. (Cl. 260—583)

1. The process of preparing an organic N-halogen compound which consists in reacting an organic N-hydrogen compound, which is decomposed by a hypohalite salt acting alone, with a hypohalogen acid in an aqueous solution having a pH below 7.

2,472,362
HEAT-EXCHANGE APPARATUS
Herbert L. Barnebey, Oakmont, and James R. Shields, Pittsburgh, Pa., assignors to Blaw-Knox Company, Pittsburgh, Pa.
Application November 18, 1944, Serial No. 564,075
3 Claims. (Cl. 257—6)



1. In a method of successively heating and cooling the contents of a vessel by means of a fluid medium, the steps of confining a body of vaporizable fluid in a hermetically sealed space about the bottom and sides of a vessel to be heated defined by the vessel wall and an auxiliary condensing surface, maintaining a portion of said fluid body in the liquid state as a pool contacting the bottom of said vessel, first applying extraneous heat to boil the liquid and heat the ves-

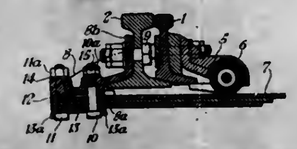
sel and its contents by exchange of heat through the vessel walls from the hot liquid and condensing vapors, then ceasing to apply extraneous heat to the liquid, and finally extraneously cooling said auxiliary condensing surface causing the vessel and its contents to cool by boiling the liquid pool in contact with said vessel bottom, and condensing the resulting vapor on said surface.

2,472,363
BUILDING BLOCK
James G. Blackinton, Flint, Mich., assignor of one-half to Douglas G. B. Hill, Corunna, Mich.
Application May 22, 1944, Serial No. 536,718
4 Claims. (Cl. 46—25)



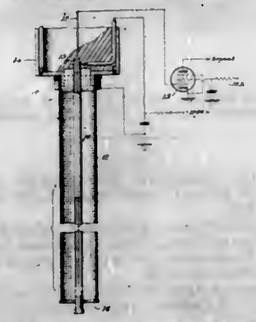
1. In a set of building blocks the combination of a plurality of line blocks, semi-blocks and corner blocks; each line block having on each of two contiguous faces a dove-tail groove extending the length of the block, there being on two other faces complementary dove-tail ribs; an edge portion of said line block formed by contiguous faces bearing said grooves being beveled throughout its length; each semi-block having on each of two mutually perpendicular faces a dove-tail groove and a complementary dove-tail rib respectively, and having an oblique plane face extending from edge to edge of said two faces; each corner block having a dove-tail groove extending the length of each of two faces and on a third face a complementary dove-tail rib; a fourth face being provided with a lug square in plan and having dove-tail marginal edges, said lug adapted to be inserted slidingly into a groove of any other block of the set to thereby establish the said corner block at will either at right angles to such groove or parallel therewith.

2,472,364
RAILWAY SWITCH POINT SUPPORT
Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 10, 1945, Serial No. 615,433
1 Claim. (Cl. 246—435)



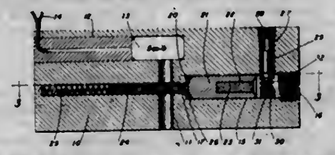
A bracket and cantilever spring assembly for attachment to a track rail in a position in which the free end of the spring is in supporting relation to a movable switch point, said assembly comprising a bracket having a vertical arm adapted to be secured to the outer side of the track rail and a horizontal arm provided with two laterally spaced holes, a cantilever spring provided at one end with holes which align with the holes in said bracket, bolts extending through the aligned holes in said bracket and said spring, and a fulcrum plate surrounding the outer bolt between said cantilever spring and the underside of said horizontal arm of said bracket, said fulcrum plate being shaped to provide a horizontal axis extending parallel to the rail about which said spring can be rocked by adjusting the tension of said bolts, and sufficient space being left between said bracket and the underside of said horizontal arm except at said plate to permit the desired amount of rocking to be effected.

2,472,365
ALPHA PARTICLE COUNTING
Casimer J. Borkowski, Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application February 21, 1946, Serial No. 649,405
4 Claims. (Cl. 250—83.6)



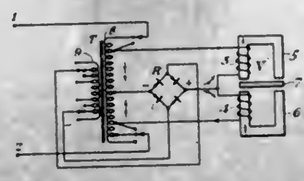
1. In an ionization chamber and amplifier system for alpha particle counting, in combination, an outer tube of wire mesh having arranged concentrically therein an electrode structure comprising a coaxial rod and tube having insulating material interposed therebetween, a connector grounding said wire mesh tube, a source of relatively high voltage impressed on said coaxial tube whereby a signal current will appear in said rod as a result of ionization of air within the wire mesh tube and a connector from said rod to the amplifier.

2,472,366
THERMAL TIME DELAY
Robert B. Brode, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy
Application September 8, 1943, Serial No. 501,572
1 Claim. (Cl. 102—70)



In a fuze for a rotating projectile, a substantially cylindrical body having an axial ignition bore, a squib at one end of said bore, said body having a substantially diametrically located passage intersecting said bore and closed at both ends, a gate member shiftable in said passage, a spring lodged in one end of the passage and urging said gate member into position to close said bore, thereby preventing the transmission of ignition from said squib through said bore, a metallic pellet lodged in the other end of said passage, said pellet having a cavity therein, a heat-producing composition in said cavity, a fusible element connecting the inner end of said gate member to the adjacent end of the pellet, and means actuated by setback to ignite said composition, thereby heating said pellet and melting the fusible element to release the gate member, which thereupon moves radially outward against the spring, under the influence of centrifugal force, to open the ignition bore.

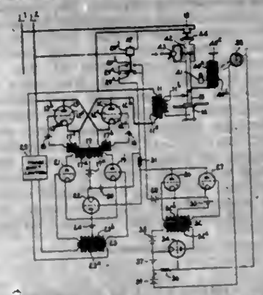
2,472,367
ELECTRICALLY OPERATED VIBRATOR APPARATUS
David Benjamin Corbyn, London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 28, 1947, Serial No. 782,516
In Great Britain May 14, 1947
2 Claims. (Cl. 318—132)



1. In combination with an electric vibrator comprising two electro-magnets arranged to act in opposite directions on a movable armature, a transformer supplied with alternating current and having a middle terminal and two end terminals, a metallic rectifier supplied with alternating current by said transformer, means comprising connections to the two end terminals of said transformer for energizing said magnets in series by alternating current, and means comprising connections from said middle terminal through said rectifier for energizing said magnets in parallel by unidirectional current supplied thereby, to render said magnets effective alternately and thereby cause the vibration of said armature at the frequency of said alternating current.

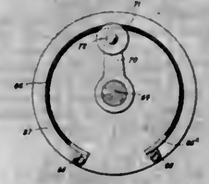
2,472,368
PLASTICITY RESPONSIVE WELDER
Irvin W. Cox, West Allis, and Lester D. Drugmand, Greenfield, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 18, 1947, Serial No. 761,976
10 Claims. (Cl. 219—4)

1. In a welding system, in combination, relatively movable electrodes, a pressure supply for said electrodes, control means subject to control by the pressure to which said electrodes are subjected, control means subject to actuation by relative movement of said electrodes, means under the control of said two control means jointly to supply welding energy to said electrodes, the second mentioned control means comprising means operatively associated with said electrodes for repetitive action as said electrodes in moving into welding relation move into other relations progressively, thus to render the second mentioned control means upon initiation of welding in any of a multiplicity of relations of said electrodes effective to initiate termination of welding as the relation of said electrodes changes



with plastic deformation of the material undergoing welding.

2,472,369
RHEOSTAT
Lincoln K. Davis, Brockton, Mass., assignor to the United States of America as represented by the Secretary of the Navy
Application September 11, 1943, Serial No. 502,070
12 Claims. (Cl. 201—48)



1. In a rheostat, a resistance member, a contact member engaging said first member, the contact member and resistance member being movable relatively to vary the effective resistance of said first member, and constraining means for moving said members relatively to cause one of the members to move along the other with a combination rolling and sliding action, the constraining means including pivots about which said members are movable and disposed so that a line between the pivots is offset from the point of contact of the members throughout the range of movement thereof.

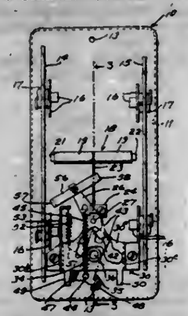
2,472,370
ELECTRODE FOR HIGH-FREQUENCY HEATING OF INSULATION PREFORMS
Lester D. Drugmand, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application January 8, 1945, Serial No. 571,778
3 Claims. (Cl. 219—47)



1. In combination, a trough-shaped sheet metal electrode for use in high frequency heating of cylindrical preforms of thermosetting dielectric molding material, means for mounting said elec-

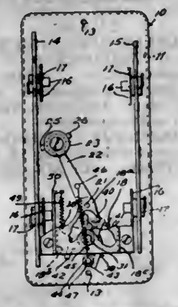
trodes horizontally with the trough thereof opening upwardly whereby the same is adapted to act directly as a centering support for the preforms, the side edges of said electrode being equally spaced throughout the length thereof a distance greater than the diameter of the preforms to effect substantial equalization of the heating effect upon the latter of high frequency current passed between the same and said electrode, a second electrode overlying the horizontal supporting trough formed by said first electrode throughout the length of the latter, and the longitudinal edges of said last mentioned electrode being alined with and spaced from those of the first mentioned electrode a sufficient distance to avoid any possibility of arcing between the electrodes or short-circuiting thereof around the preforms.

2,472,371
MUSICAL CHIME SIGNAL CONSTRUCTION
George R. Fish, Norwalk, Conn., assignor to Edwards and Company, Inc., Norwalk, Conn., a corporation of New York
Application December 21, 1945, Serial No. 636,476
9 Claims. (Cl. 84—404)



1. In a signalling device having spaced sounding elements, striker means, actuating means therefor, the combination of means mounting said striker means between said sounding elements for movement in directions first to strike one element and then the other, said mounting means comprising an elongated spring member having striker means secured at one end thereof, means supporting and anchoring the other end of said spring member in a position between said sounding elements to hold the striker means out of engagement with both when said spring member is in normal or unflexed condition, two pivotally mounted lever means having means forming an interconnection between them to swing one of them in response to swinging of the other and having spring means coacting with at least one of them in such relationship to its pivot as to effect a snap action of pivoting movement thereof in either direction about its pivot, means for actuating one of said lever means about its pivot, and two relatively widely spaced actuating members carried by the other of said lever means and positioned one on either side of said spring member for individual impacting thereof against said spring member under the snap action of said spring means, thereby to effect flexing of said spring member and impacting of the striker means against one of said sounding elements, the spacing between said two spaced actuating members being such that the leading one of them is always out of the path of flexing of said spring member as the trailing actuating member effects flexing of the spring member.

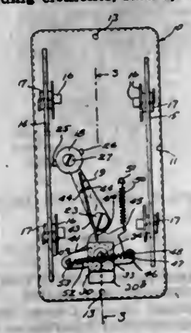
2,472,372
MUSICAL CHIME SIGNAL CONSTRUCTION
George R. Fish, Norwalk, Conn., assignor to Edwards and Company, Inc., Norwalk, Conn., a corporation of New York
Application December 21, 1945, Serial No. 636,477
3 Claims. (Cl. 84—404)



1. In a signalling device comprising two spaced sounding elements, striker means and actuating means therefor, the combination of a substantially rigid lever rotatably mounted between said elements in a position to swing in an arcuate path between them, said lever having a relatively long arm adapted to serve as a striker and an oppositely extending short arm, a rotatably mounted operating shaft, a rocker pivotally mounted on said shaft and having a first arm adapted to engage the said short arm of said lever and swing it oppositely to the direction of rotation of said rocker, a fixed stop, a second arm on said rocker having a bifurcated end the bifurcations of which straddle said fixed stop and in cooperation with said fixed stop serve to limit the rotation of said rocker in either direction, said bifurcations being spaced apart a distance such that one or the other contacts said fixed stop before the striker strikes either of said sounding elements, said stop means including resilient means adapted to yield sufficiently to permit the striker arm of said lever to move the additional angular distance necessary to strike the striker element toward which it is moving and a spring interconnected between the long arm of said lever and the point below the pivot for said lever and movable across the said pivot whereby snap action is imparted to the lever.

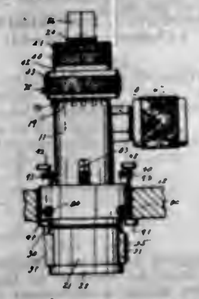
2,472,373
MUSICAL CHIME SIGNAL CONSTRUCTION
George R. Fish, Norwalk, Conn., assignor to Edwards and Company, Inc., Norwalk, Conn., a corporation of New York
Application December 21, 1945, Serial No. 636,478
3 Claims. (Cl. 84—404)

1. In a chime signalling device comprising, a frame, a pair of sounding elements, and a striker mounted between said elements for movement against said sounding elements successively, the combination of an actuating shaft extending into said frame, a driving plate mounted on the inner end of said shaft and rotatable with the shaft, an arm rotatably mounted in said frame adjacent to said driving plate, said arm carrying the said striker at its free end, a spring member slideably interconnecting said driving plate and said arm whereby said arm is caused to rotate with said plate and spring member, means for limiting the extent of rotation of said driving plate and said spring member so that while at rest at either limit of its swing it will hold the said arm adjacent to but out of contact with one of said sounding elements, said spring connector



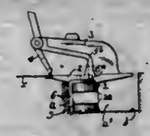
being yieldable under momentum of the striker as the latter swings about its pivot and adapted to flex sufficiently to permit the striker to impact said sounding elements respectively, said driving plate having a bifurcated end, stop means between said bifurcations, and spring means interconnected between said plate and said stop thereby giving snap action to the movement of said plate, and means for biasing said plate.

2,472,374
RESURFACING TOOL
John E. Giles, Diablo Heights, C. Z.
Application March 7, 1945, Serial No. 581,381
6 Claims. (Cl. 82—4)



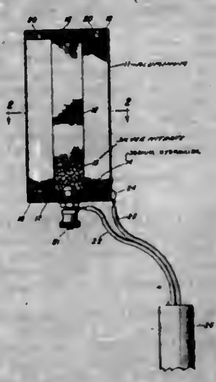
1. A tool for trimming annular non-circular seats surrounding openings in members comprising a tubular body adapted to occupy the opening, means movably carried by the body and adapted to be extended to engage the seat to position the body axially in the opening, means carried by the body adapted to engage the wall of the opening to clamp the body in its positioned location, a spindle in the body, a bit-carrier transversely movable in the spindle, a bit carried by the carrier and adapted to coact with the seat, means for moving the bit-carrier in and out as the spindle rotates.

2,472,375
TENTER CLIP
Maurice G. Hinnekens, Paterson, N. J.
Application December 13, 1946, Serial No. 716,977
3 Claims. (Cl. 26—61)



1. A tenter clip having spaced parallel pivoting studs whereby to connect it pivotally to two other tenter clips between which it is disposed in the forming of a tenter-clip chain for a tentering machine, said clip having a thrust-assuming face lateral of and facing away from that plane which is coincident with both axes of the studs, in combination with an attachment removably secured to said clip in sheathing relation to said face and having a deflected portion penetrated by and snugly fitting one stud and another portion hooked around and thereby anchored to the portion of the clip which surrounds the axis of the other stud.

2,472,376
ELECTRIC CELL OF THE IMMERSION TYPE
William K. Kearsley, Schenectady, Arthur F. Winslow, Scotia, and Herman A. Liebhafsky, Schenectady, N. Y., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application June 11, 1946, Serial No. 675,858
2 Claims. (Cl. 136—90)



1. An electric cell unreactive in the dry state but operative upon immersion in water comprising an aluminum case, a perforated copper cylinder within said case, a quantity of substantially dry sodium hydroxide interposed between said case and said cylinder, and a quantity of substantially dry silver nitrate within said cylinder, said sodium hydroxide adapted to dissolve upon immersion of said cell in water whereby to connect electrolytically said aluminum case and said copper cylinder causing an electrical potential difference therebetween.

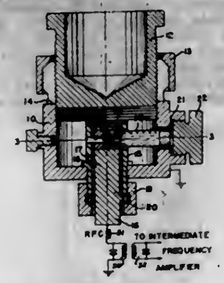
2,472,377
PROCESS FOR HYDROCARBON SYNTHESIS
Percival C. Keith, Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y.
Application January 31, 1945, Serial No. 575,417
7 Claims. (Cl. 260—449.6)



1. The process of synthesizing organic compounds through the catalytic hydrogenation of carbon monoxide, which comprises passing carbon monoxide and hydrogen up through fluidized synthesis catalyst maintained at reaction conditions and disposed in a multiplicity of tubular reaction zones each having a transverse section within which the innermost catalyst particle is not less than about ½ inch and not more than about 4 inches away from the periphery of said section and each being subjected to cooling for the extraction of heat from said catalyst, while fluidizing a mass of said catalyst with a substantially nonreactive gasiform medium in a lower zone communicating with said tubular zones to ensure substantially uniform fluidization in said multiplicity of tubular reaction zones, permitting said medium to flow up through said tubular zones along with said carbon monoxide and hydrogen, causing said gases to become disengaged from the bulk of said catalyst in an upper zone into which said tubular zones discharge, withdrawing said gases and recovering synthesized organic compounds therefrom.

2,472,378
DETECTION OF HIGH-FREQUENCY ELECTRIC OSCILLATIONS
James L. Lawson, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application August 27, 1943, Serial No. 500,266
8 Claims. (Cl. 250—20)

1. Apparatus for detection of radio signals in cooperation with a rectifier element including a cavity type electrical resonator of approximate axial symmetry, an axially movable end wall for tuning said resonator, an axial column in said cavity spaced from said axially movable end wall and having an outer conducting sheath connected to the end wall of said resonator opposite to the said axially movable end wall, an inner conductor within said axial column insulated from said sheath but capacitively coupled thereto by a relatively small capacitance and adapted for electrical connection to an amplifier, means for supporting one end of a rectifier element in electrical contact with said inner conductor, an aperture in said conducting sheath to avoid contacts between said sheath and said rectifier element, and means for supporting the other end of said

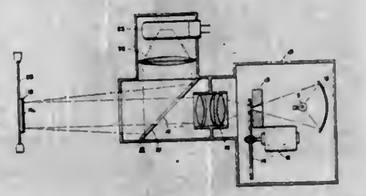


rectifier element in contact with the outer wall of said resonator.

2,472,379
BATTERY ELECTROLYTE WITH PHOSPHORIC ACID
Herbert E. Lawson, Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of the Navy
No Drawing. Application September 20, 1943, Serial No. 503,157
8 Claims. (Cl. 136—154)

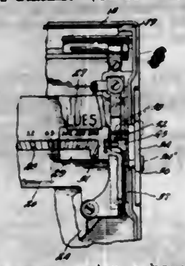
1. A contact electrolyte solution for deferred action type batteries comprising ortho-phosphoric acid, an acid selected from the group consisting of hydrochloric acid and hydrobromic acid, and water.

2,472,380
SCREEN FOR OPTICAL DISPLACEMENT GAUGES
John H. Long, New York, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application March 8, 1946, Serial No. 652,907
4 Claims. (Cl. 88—14)



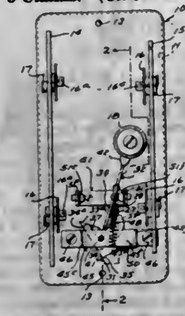
1. In an optical gauge for measuring changes in distance from an element to the stationary portion of the gauge, a stationary mounting, a constant light source on said mounting, means for detecting light reflected from the element, an optical system for projecting a light beam from said source upon the element and directing the reflected beam to the measuring means, the light paths between the element and the optical system being substantially coaxial, and a movable portion securable to said element for maintaining the amount of reflected light substantially constant throughout a substantial angle of movement of said movable portion, said portion comprising a mass of reflecting globules mounted in operative position on the element.

2,472,381
TWO RANGE EXPOSURE METER
Archie J. McMaster, Chicago, Ill., assignor to G-M Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application May 12, 1945, Serial No. 593,343
8 Claims. (Cl. 88—23)



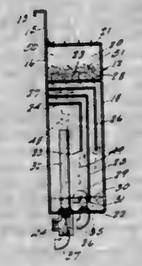
1. In an exposure meter, a housing, a photovoltaic cell adapted to receive light through a window in said housing, a galvanometer including a moving coil carrying an indicating needle, means providing a scale of relatively low light values, and a scale of relatively high light values, either of which is adapted to be seen through a window in the housing, a relatively sensitive circuit including in series a resistance, said cell and galvanometer coil, said circuit adapted to be established when the scale of low light values is employed, a relatively less sensitive circuit including in series a resistance, said cell and galvanometer coil, and a resistance in shunt relation to said coil, said circuit adapted to be established when the scale of high light values is employed, and means exterior of the housing to establish either of said circuits, said last-mentioned means including a slidable finger engageable member at the extremes of movement of which said circuits are established, and means to establish at intermediate positions of said member a cell and galvanometer circuit less sensitive than either previously mentioned circuit.

2,472,382
MUSICAL CHIME SIGNAL CONSTRUCTION
Christian Miller, Norwalk, Conn., assignor to Edwards and Company, Inc., Norwalk, Conn., a corporation of New York
Application December 21, 1945, Serial No. 636,482
5 Claims. (Cl. 84—404)



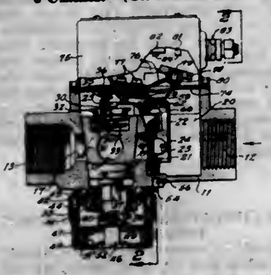
1. In a signalling device comprising a frame having two sounding elements mounted thereon in spaced relation, a striker having means movably supporting it for movement into successive impact with said sounding elements, actuating means comprising a rock lever structure pivotally supported by said frame and having mechanical connection with said striker to actuate the latter in response to rocking movement of the rock lever structure, said frame having a slot therein for the projection thereinto of an external actuator, and an actuator projecting through said slot and having means mounting it for movement lengthwise of said slot, said rock lever structure having a lever-like arm substantially overlying said slot and having a cam surface engaged by said actuator to rock said rock lever structure in response to actuation of said actuator.

2,472,383
AIR CONDITIONING ATTACHMENT FOR TOILETS
Fred L. Owens, Long Beach, Calif.
Application May 22, 1946, Serial No. 671,504
6 Claims. (Cl. 4—215)



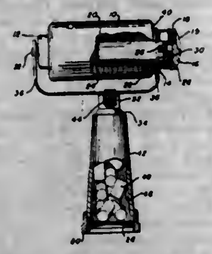
1. An air conditioner comprising; an air-water separating chamber having a sump, a jet pipe, and a circuitous path formed therein and discharging through the upper end of the chamber; a suction chamber; a source of water under pressure; a spray nozzle having communication with said source of water under pressure and a control valve therefor and discharging into and through said jet pipe into said air-water separating chamber and a communication between said suction chamber and the outlet of said spray nozzle for drawing air from said suction chamber and discharging the same with the spray from said spray nozzle through said jet pipe for thorough washing of the air; said circuitous path including a series of baffles forming forward and return passages therebetween; and a trapped drain for said sump; said suction chamber consisting of a toilet flushing connection, a pipe communicating between said flushing connection and said trapped drain; said control valve consisting of a normally open valve; a finger projecting from and mounted on the reaward end of a toilet seat cover with said valve mounted in cooperative relation thereto, and with said finger closing said valve when the toilet seat cover is closed and releasing said valve to open when the cover is raised, and a trap for a flush tank overflow pipe, and means for mounting said air-water separating chamber on one end of a flush tank.

2,472,384
GAS-BURNER CONTROL SYSTEM
William A. Ray, North Hollywood, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application April 1, 1947, Serial No. 738,510
6 Claims. (Cl. 158—117.1)



1. In a gas-burner control system: a burner; a valve for controlling supply of gas to said burner and having a closure biased to closed position; manually-operable means for opening said valve and including a handle member movable to a position wherein said closure is open; means limiting the movement of said valve-opening means when said handle member is in said position; a resilient connection between said valve-opening means and said handle member, said connection being relatively unyielding in the opening of the closure but yielding to permit continued movement of the handle member beyond said position; electrical means, operated by said continued movement of the handle member, for igniting the gas at said burner; and means responsive to the flame of said burner for holding said closure in open position against the force of said bias while said flame exists.

2,472,385
MASSAGE DEVICE
Michael A. Rollman, Landisville, Pa.
Application July 18, 1946, Serial No. 684,433
3 Claims. (Cl. 128—57)



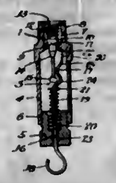
1. A massage device comprising in combination a hollow roller terminating at one end in a restricted cylindrical portion externally threaded and comprising an opening in said roller, said roller being suitable to contain a coolant solution formed from predetermined amounts of solute and solvent, a handle, means connected to said handle and also pivotally connected to the roller, a cup-shaped closure internally threaded on its side walls, whereby said closure may be detachably secured in fluid tight engagement over said cylindrical portion, and an elongated cup-shaped measuring container secured to the inner portion of said closure and having a smaller diameter than said cylindrical portion, whereby said container may be disposed within said roller when said closure is secured in operative position over said cylindrical portion, said container having a capacity corresponding to the predetermined amount of solvent of said solution.

2,472,386
SOIL PULVERIZING AND ROLLING IMPLEMENT
Theodore G. Schmeiser, Fresno, Calif.
Application May 8, 1944, Serial No. 534,570
1 Claim. (Cl. 55—77)



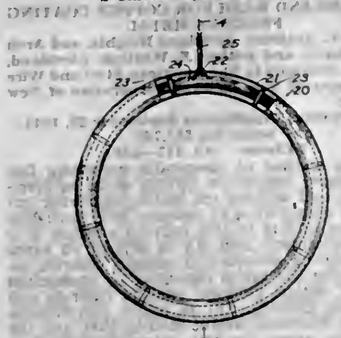
An earth working roller unit comprising a frame which includes a transversely disposed front beam and a pair of rearwardly projecting end beams, a roller type cultivator journaled in the outer ends of the end beams, said end beams being swingable about said journal point so that it and the main frame may be positioned either substantially horizontally or substantially vertically, a main draft yoke and an auxiliary draft yoke both connected to the main frame and to each other and both lying in a plane substantially parallel to that of the main frame and end frames, means for connecting the main draft yoke to a tractor when the main and end frames are in substantially horizontal position, and the auxiliary frame being provided with means whereby it may be connected to a tractor when the main and end frames are in substantially vertical position.

2,472,387
DRINKING FOUNTAIN
Clarence G. Shepherd, Fontana, Calif.
Application July 24, 1946, Serial No. 685,964
4 Claims. (Cl. 119—81)



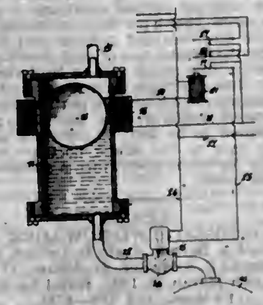
1. A drinking fountain including a barrel constructed and arranged to be connected to a source of water supply, a valve having a horizontal seat, a depending stem and a weight constituting an enlargement at the lower end of the stem and forming a cam-engaging head, a plunger rod formed with a hook on its lower end and a cam on its upper end, a spring engaging a part on said plunger rod, a drinking receptacle constructed with a hook for engaging said plunger-rod hook and suspending said receptacle from said plunger rod, the weight of said receptacle being such as to draw down said plunger rod against said spring to cause said cam to engage and tip said valve stem head and valve to open said valve to admit water through said barrel to said drinking receptacle, until said receptacle is filled with water, and said spring being of such power to raise said plunger rod and drinking receptacle, when a predetermined amount of water is drunk from said filled receptacle, to cause said cam to engage said valve stem to open said valve and admit water through said barrel to fill said drinking receptacle.

2,472,388
MAGNETOSTRICTIVE OSCILLATOR
Albert L. Thuras, New London, Conn., assignor to the United States of America as represented by the Secretary of the Navy
Application January 15, 1944, Serial No. 518,447
2 Claims. (Cl. 177—386)



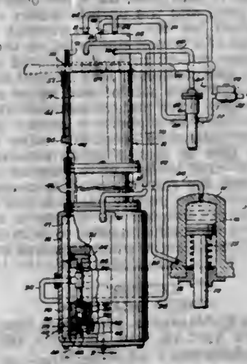
1. A magnetostrictive oscillator for producing and receiving compressional wave energy comprising a toroidal tube of magnetrostrictive material, and a coil disposed within said tube, the conductors of which extend circumferentially in the tube and lie parallel with the tube wall.

2,472,389
FLOAT CONTROL FOR LIQUID DISPENSING DEVICES
Walter Von Stoeser, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application September 17, 1943, Serial No. 502,772
1 Claim. (Cl. 222—67)



A liquid level control device for use with a beverage dispensing apparatus including a coin control switch and a beverage supply tank, comprising a combined dispensing and float chamber having an inlet adapted for communication with said supply tank and an outlet for the beverage to be dispensed, a normally-closed, electrically-governed valve interposed between said tank and said chamber, a float operating in said chamber and free of any connection therewith, an electric circuit including said valve and a control switch therefor and said coin-control switch, and means in said circuit for simultaneously governing said switches including a magnetic field creating coil about said chamber for subjective influence by the float as determined by its position and a relay coil in operative relation to such switches, whereby the circuit is rendered operative to close said switches to maintain the valve open and the dispensing apparatus operative when the float is in its elevated position and the circuit rendered otherwise operative to simultaneously open said switches and cause said valve to close and the coin switch to open to render the dispensing apparatus inoperative when the float is lowered in its chamber.

2,472,390
HYDRAULIC PRESS
Frank C. Wilson, Arcade, N. Y.
Application July 25, 1944, Serial No. 546,532
4 Claims. (Cl. 60—51)

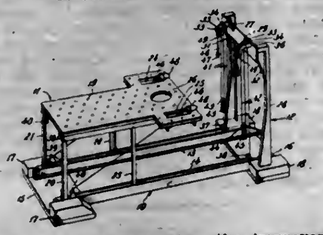


1. A hydraulic press including a movable member, a cylinder containing a piston for actuating said member, a container for a body of actuating liquid, a pump for the actuating liquid, an element actuated pneumatically for causing the operation of said pump, a valve for admitting compressed air into said container to force actuating liquid into said cylinder to initiate the operation of said movable member, a relay valve which is responsive to the pressure in said container and which is automatically operative when said pressure reaches a predetermined value to admit compressed air to said actuating element, thereby to operate the pump to force actuating liquid under added pressure into said cylinder to continue the operation of said movable member, a valve for relieving the pressure of said actuating fluid, a valve for relieving the pressure of said actuating element, a valve for admitting compressed air into said cylinder to restore said movable member to its original position, a pivotally mounted lever which may be rocked in one direction to open said first mentioned valve and which may be rocked in the opposite direction

may be detachably secured in fluid tight engage-

to open said last three-mentioned valves, and means for normally holding said lever in a position corresponding to the closed positions of said first, third and fifth mentioned valves and the open position of said fourth mentioned valve.

2,472,391
CLINICAL EXERCISE TABLE
Luis G. Albizu, Ponce, P. R.
Application August 9, 1944, Serial No. 548,720
10 Claims. (Cl. 272—81)



1. In exercising apparatus, the improvement comprising an elongated base, a table supported above one end of said base, an upright pulley support spaced from said table and mounted at the other end of said base, the space between the end of the table and the upright pulley support being sufficient for the free movement of the arms and legs of a person supported on the table, a pair of upper pulleys rotatably secured to each side of the upper portion of said upright support, a hook adjacent each pair of said upper pulleys, a pair of spaced lower pulleys adjacent the bottom of said upright support, a second pair of spaced lower pulleys adjacent the other end of the base, a pair of spaced hooks adjacent the outer end of said table, and a pair of spaced hooks adjacent the end of the table nearest the upright support, the pulleys at each side of the apparatus being adapted to receive a flexible cord and the hooks being adapted to hold the free ends of the flexible cords when attached thereto.

2,472,392
SCREW DRIVER
Arthur F. Alexander, Cleveland, Ohio
Application April 12, 1946, Serial No. 661,751
3 Claims. (Cl. 279—75)

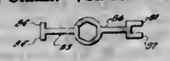


1. A hand tool comprising a handle with an axial bore extending entirely therethrough and a lateral opening through the handle constricted at its inner end, a ball seated in said opening a portion of which normally projects into said bore, said handle having an exterior annular shallow groove intercepting said opening, a spring retainer ring seated in said groove engaging said ball for preventing movement of the ball outwardly beyond its seat, said retainer ring leaving the outermost portion of the ball exposed, a tool bit having a cylindrical shank adapted to enter said bore from either end of the handle, said shank having a cavity of spherical contour to receive the inwardly projecting portion of the ball, and a sleeve slidable on the handle lengthwise thereof adapted to engage the exposed outer portion of said ball for locking the bit against movement in the handle angularly as well as longitudinally.

2,472,393
PROCESS AND BATH FOR COPPER COATING FERROUS METAL
Samuel C. Avallone, Cleveland Heights, and Arch W. Harris and Esther J. Whiting, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application September 25, 1944, Serial No. 555,762
6 Claims. (Cl. 117—130)

2. The method of chemically depositing fine grain copper coating on ferrous metal as lubricant for cold working the metal comprising immersing the metal in an aqueous bath consisting by weight of 0.40 to 10% cuprous chloride, 2 to 12% hydrochloric acid, 0.4 to 20% of an agent for enhancing solubility of cuprous chloride selected from the group consisting of ammonium chloride, sodium chloride, calcium chloride and potassium chloride, 0.01 to 0.20% polyethylene glycol of molecular weight 3500 to 4500, and the remainder water, the bath being maintained at a temperature in the range 70° to 195° F. and in the presence of a reducing agent for preventing oxidation of cuprous chloride, the reducing agent being of the group consisting of metallic copper, metallic tin and stannous chloride.

2,472,394
LOCKING DEVICE
Jacob A. Barraket, Brooklyn, N. Y.
Application September 17, 1947, Serial No. 774,466
1 Claim. (Cl. 151—32)

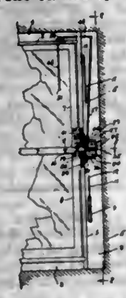


In a device of the class described, a relatively flat sheet of permanently deformable material having an enlarged portion apertured to grip the head of a screw, shank portions extending respectively from the enlarged portion and bendable rearwardly therefrom, one of said shank portions having on its free end a pair of transverse ears, the other shank portion having on its free end two horizontally extending leg portions and being of bifurcated configuration, said leg portions being adapted to be bent to interlock with the extending ears as the shank portions are bent rearwardly for engagement with a structure containing the screw.

2,472,395
AUTOMATIC WINDOW LOCK
Edward A. Barber, Alwin D. Collins, and Harold C. Sylvester, St. Albans, Vt.
Application March 12, 1946, Serial No. 653,795
1 Claim. (Cl. 292—173)

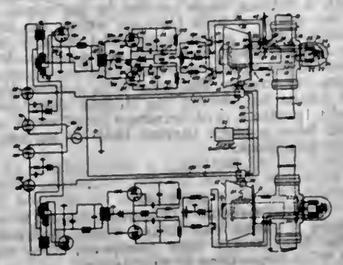
A fastener for vertically slidable sashes comprising a lock case adapted to be disposed through

the side of a window frame opposite the transverse meeting rails of a pair of slidable sashes when in closed position, a guard bracket secured to the side of said window frame overlying said lock case and formed with an aperture, an elongated operating lever pivotally attached to said guard bracket and having a yoke formed on its lower extremity, a locking bolt slidably disposed in said lock case and pivotally connected between the arms of said yoke on the operating lever and



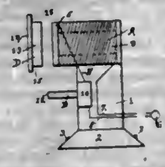
having a stem slidably mounted in the aperture in said guard bracket, a resilient tensioning spring disposed about said stem for normally urging said locking bolt to its locked position, said sashes being formed with alignable coacting locking grooves for receiving the locking bolt for holding the sashes locked in closed position, a pulley mounted on said window frame, and a flexible lock releasing cord disposed over said pulley and secured to the upper extremity of the operating lever.

2,472,396
ELECTRICAL SPEED CONTROL SYSTEM
Joseph R. Schoenbaum, Roseland, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application October 6, 1944, Serial No. 557,534
2 Claims. (Cl. 175—355)



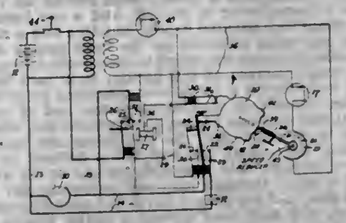
1. A frequency responsive system for controlling the speed of a prime mover comprising a source of reference frequency alternating current energy, a frequency source controlled by said prime mover, to produce a frequency proportional to prime mover speed, an oscillation generator operable at fixed frequency, means to add said prime mover and oscillator frequencies to constitute a source of variable frequency alternating current energy of a frequency in the range of the frequency of the reference frequency energy source and varying with the speed of said prime mover, means acting in response to both said reference and variable energy means for producing current impulses proportional in number to the frequency of the beat between said frequencies, means to form said pulses with abrupt beginnings or terminations according to whether the variable frequency is greater or less than the reference frequency, and means responsive to the abrupt beginning or termination in said pulses to produce a potential the sense of which varies according to an abrupt initial or terminal pulse characteristic respectively, and means for varying the speed of said prime mover in substantially fixed increments corresponding to the number of said pulses and in direction according to the sense of said potential.

2,472,397
DOOR HOLDER AND BUFFER
William P. Bennett, San Bernardino, Calif.
Application October 22, 1946, Serial No. 704,896
5 Claims. (Cl. 292—70)



1. For use with a door or the like provided at one of its sides with a metallic element, a fixed electro-magnet positioned in the path of travel of said metallic element as the door is moved to an open position, an electric supply circuit for energizing said magnet and including a normally open switch movable to a closed position against resilient tension, and said switch being in the path of travel of said door as the door is moved to an open position and being actuated by said door to close the electric circuit prior to contacting engagement between the door carried metallic element and the electro-magnet.

2,472,398
ARRANGEMENT FOR OPERATING OIL BURNERS
Jack Berger, Laurelton, Long Island, N. Y., assignor to Diesel Oil Burner Corporation of New York, Jamaica, N. Y.
Application October 12, 1946, Serial No. 703,680
11 Claims. (Cl. 158—28)



1. An arrangement for operating an oil burner comprising in combination a burner motor for supplying oil; an ignition device for igniting said

oil; a source of electric current; a burner circuit connecting said source of electric current with said burner motor; an ignition circuit connecting said source of electric current with said ignition device; a rotatable timer motor; a timer circuit connecting said rotatable timer motor with said source of electric current; an automatic thermostatic combustion responsive switch included in said timer circuit and constructed so as to disconnect automatically said rotatable timer motor from said source of electric current when its temperature rises over a predetermined temperature; rotatable operating means rotatably connected with said timer motor and adapted to be turned by said rotatable timer motor from an initial position into a final position; ignition switch means included in said ignition circuit and operated by said rotatable operating means so as to be in open position when said rotatable operating means are in said initial position of the same; combined burner and ignition switch means included in said ignition and said burner circuits; means tending to hold said combined burner and ignition switch means in open position; a relay adapted to close said combined burner and ignition switch means when energized; a relay circuit connecting said relay with said source of electric current; a first relay switch included in said relay circuit; means tending to close said first relay switch; means operated by said rotatable operating means for opening said first relay switch when said rotatable operating means are in said final position of the same; second relay switch means included in said relay circuit; means tending to close said second relay switch; and means operated by said rotatable operating means for opening said second relay switch when said rotatable operating means are in said initial position of the same.

2,472,399
POLISHING CHUCK
Gerard Boldue, Manchester, N. H.
Application March 26, 1947, Serial No. 737,339
3 Claims. (Cl. 279—8)

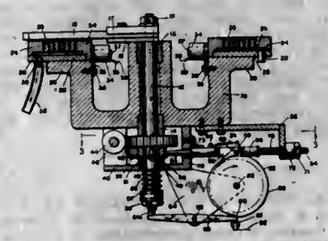


1. A chuck for holding a watch wheel having a shaft projecting axially from each side of the wheel, comprising a rotary head having an end face perpendicular to its axis, and a cap having a bottom wall parallel to said end face and a rim, said cap being mounted on the head axially adjustable to clamp the wheel between said face and the inner surface of the bottom wall, said bottom wall having a radial slot extending from the center thereof to accommodate one end of said shaft and said cap having a peripheral slot wider than said radial slot, the peripheral slot intersecting the radial slot and being defined by a plane through said end wall parallel to its axis and a plane through said rim perpendicular to said axis, said peripheral slot accommodating said wheel, and said head having a radial groove to accommodate the other end of said shaft whereby the wheel may be inserted into the chuck merely by backing off the cap somewhat more than the thickness of the wheel.

2,472,400
METHOD OF PROTECTING METAL SURFACES AGAINST HYDROGEN SULFIDE CORROSION
Donald C. Bond, Northbrook, and Michael Savoy, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application November 22, 1946, Serial No. 711,804
5 Claims. (Cl. 252—8.55)

1. The method of protecting metal equipment in oil wells against hydrogen sulfide and brine corrosion comprising continually introducing into said wells during production of oil and brine therefrom compounds selected from the group consisting of pyridine, quinoline, their methyl derivatives and their mineral acid salts, in an amount of about 1 part of said compounds per 1,000 to 10,000 parts of brine produced from the well, and withdrawing oil and brine from the well mixed with said compounds.

2,472,401
MICA SPLITTING MACHINE
James F. Boucek, Chicago, Ill.
Application January 7, 1948, Serial No. 869
7 Claims. (Cl. 125—24)

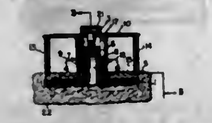


1. In a mica splitting machine, a rotatable shaft, a cutting blade carried by the upper end of the shaft, a base through which the shaft extends having supports disposed radially from the shaft in the path of the blade, a suction block mounted for sliding movement on each support, means for rapidly agitating each suction block, and means for feeding the cutting blade downwardly to slice a predetermined thickness of material from a block thereof held by suction on the suction block.

2,472,402
ZINC-COPPER-TITANIUM ALLOYS
Edward J. Boyle, Oak Ridge, Tenn., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 17, 1948, Serial No. 33,670
3 Claims. (Cl. 75—178)

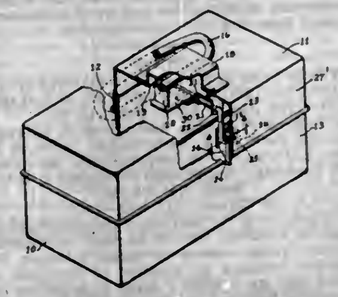
1. A homogeneous zinc-base alloy comprising from 0.5 to 1.5% copper, from 0.12 to 0.5% titanium, and the balance zinc, said alloy having a creep rate such that when the alloy is finish cold rolled to 0.018 inch strip with 50% reduction the resulting strip requires at least 0.0044 day for 1% elongation when subjected to a dead load tension of 15,000 pounds per square inch.

2,472,403
STEEL WOOL PAD HOLDER
Solomon Burwen, Swampscott, Mass., assignor of one-third to Frank W. Burwen, Marblehead, Mass., and one-third to Charles B. Burwen, Lynn, Mass.
Application January 22, 1947, Serial No. 723,518
3 Claims. (Cl. 15—209)



1. A steel wool pad holder comprising a base and a cover, both elements being rectangular in section and the cover having side walls forming a box open at the bottom, the base having inwardly projecting flanges whose ends serve as a clamping surface with the wall edges of said cover, said base having a centrally positioned hollow post with aligning ribs on either side in the center line of said base, the cover member having a wall generally coextensive with said side walls forming a well, shaped to receive the post with sections formed also to receive said ribs for aligning the cover and base together and a clamping screw passing through the face of the cover and threading into said hollow post for clamping the cover and base together.

2,472,404
HANDLE OPERATED LATCH FOR RECEPTACLES
Wallace H. Cadwell, New Carlisle, Ohio
Application May 26, 1945, Serial No. 596,011
3 Claims. (Cl. 220—56)



1. In combination, a container, a lid hinged on said container, locking means including a shaft, bearings on said lid for rotatively supporting said locking means on said lid, a lock-receiving member carried on said container for receiving said locking means, spring means engaging said locking means normally urging the same out of locking engagement with said lock-receiving member, handle means including a shaft, bearings on said lid for supporting the shaft of said handle means for rotation in a plane at substantially right angles to the plane of rotation of said locking means, and actuating means extending between the shaft on the handle means and the shaft on the locking means for rotating said locking means into locking engagement with said lock-receiving member upon rotation of said handle means into carrying position.

2,472,405
EASEL HINGE
Carroll N. Cross, Middleboro, Mass.
Application July 23, 1945, Serial No. 606,649
4 Claims. (Cl. 248—35)



1. A display mount including a back board, a supporting prop having free side edges and a free end adapted for angular movement away from said back board into mount-supporting position, a hinge connection between said back board and the other end of said prop, said connection deviating from a straight line drawn between the side edges of said prop, whereby a wedging effect is obtained at said hinge line tending to urge said prop into closed position.

2,472,406
BOWLING BALL
Joseph Darula, Jr., Kenosha, Wis.
Application April 23, 1947, Serial No. 743,379
4 Claims. (Cl. 273—63)



1. In a bowling ball having a pair of finger receiving bores therein for engaging the thumb and middle fingers of a bowler, a plurality of finger positioning recesses provided in the spherical surface of the ball for receiving the remaining fingers of a bowler.

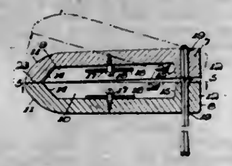
2,472,407
FOLDING CART
Herbert J. David, Rockaway Beach, and Max Zausner, Brooklyn, N. Y.
Application August 23, 1946, Serial No. 692,634
4 Claims. (Cl. 280—36)



1. In a folding cart of the class described, a main elongated U-shaped back frame having a

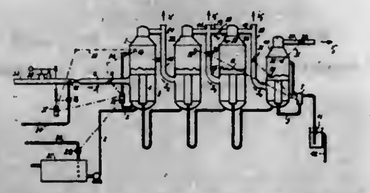
handle, wheels attached to the lower end portion of said frame, a seat frame of U-shaped form having one end portion pivotally mounted between intermediate portions of the frame members of the first named frame, a third U-shaped leg frame, the arms thereof being rigid and pivotally connected to the free ends of the arms of the second named seat frame, connecting links between and connected with the first and the third named frames, and a flexible sling attached at one end to the first named frame and at the opposite end to a rod carried by interconnected portions of the second and third named frames.

2,472,408
COMBINED CASTANET AND TAMBOURINE
Carlo Di Angelo, Hostetter, Pa.
Application December 6, 1944, Serial No. 566,886
2 Claims. (Cl. 46—191)



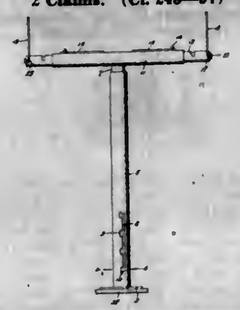
1. An instrument of the character described comprising two similarly shaped concave sound producing members, pivot forming means rigidly secured to the inner face of one of said concaved members at one end thereof, the other concaved member adapted to contact at one end and move about said pivot forming means, and flexible hand-grip means passing through both of said members on opposite sides of said pivot forming means and connecting said members together.

2,472,409
EVAPORATOR
Josef Eisner, Allestree, Derby, England, assignor to George Fletcher and Company Limited, Derby, England, a British company
Application August 18, 1944, Serial No. 550,092
In Great Britain May 2, 1944
10 Claims. (Cl. 257—2)



4. An evaporator for the continuous concentration of liquors wherein a relatively weak liquor is continuously fed in and a more concentrated liquor is continuously discharged therefrom comprising in combination an evaporator vessel having the characteristic of the sealed down-take type, a supply of exhaust steam for heating said vessel, a supply of live steam for heating said vessel, means sensitive to fluctuations in liquor level in said vessel controlling said exhaust steam and live steam supplies, a relief valve on said exhaust steam supply, and means operating to open said relief valve subsequent to the cutting off of live steam by said control.

2,472,410
SACK HOLDER
Milton F. Ferrell and Joseph K. Moore, Flagstaff, Ariz.
Application May 31, 1945, Serial No. 596,862
2 Claims. (Cl. 248—97)



1. A sack holder comprising a standard, a horizontal tube on the upper end of the standard, a pair of arms slidably and rotatably mounted in the ends of the tube, means for securing the arms in slidably adjusted position and also for limiting rotary movement of the arms and including longitudinally spaced, circumferentially extending slots in the arms, and pins carried by the tube and engaged in the slots, a pair of resilient sack-supporting arms, and means for attaching the sack-supporting arms transversely in the outer ends of the first-named arms to project forwardly and rearwardly of the standard and adapted for engaging and supporting the front and rear sides of the mouth of a sack, the rear ends of the sack-supporting arms being adapted to swing downwardly to release the sack upon a removal of the sack from the front ends thereof.

2,472,411
METHOD FOR ALKYLATING PHENOLIC HYDROXYL GROUP CONTAINING ALKALOIDS AND THE RESULTING PRODUCTS
Karl Folkers, Plainfield, and Frank R. Koniuszy, Roselle Park, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application November 2, 1943, Serial No. 508,756
14 Claims. (Cl. 260—236)

9. The process for alkylating phenolic hydroxyl groups in alkaloids having at least one phenolic hydroxyl group and a trivalent nitrogen that comprises treating an alkaloid of the class described with an oxidizing agent to form the corresponding alkaloid amine oxide, reacting the alkaloid amine oxide with a dialkyl sulfate in alkaline solution, reducing the alkylated alkaloid amine oxide thus formed with zinc and dilute mineral acid, and recovering the alkylated alkaloid.

14. The fully methylated Erythrina alkaloid which has the empirical formula $C_{19}H_{23}NO_3$, and which forms a crystalline picrate salt melting at 160–161° C., $(\alpha)_D^{26}=+137–138.1°$.

2,472,412
IMPELLER FOR CENTRIFUGAL FORCE PUMPS
Walter B. Fritz, Monroeville, Ohio
Application March 14, 1947, Serial No. 734,625
2 Claims. (Cl. 103—115)

1. An impeller for a centrifugal force pump

comprising a solid, right circular cylinder, there being a centrally-disposed opening extending through said cylinder, a plurality of radial bores in said cylinder and spaced from each other, the front face of said cylinder being provided



with a circular recess concentrically disposed with respect to said opening, and a plurality of holes positioned within the confines of said circular recess and in communication with said radial bores, said holes extending axially from the front face of the cylinder to the respective bores.

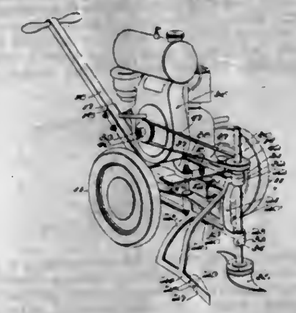
2,472,413
HEAT EXCHANGER
John M. Gantvoort, Somerville, N. J., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application September 25, 1945, Serial No. 618,555
5 Claims. (Cl. 257—245)



3. A heat exchanger comprising a shell having a sloped open end; a plurality of plates partitioning the shell into passages; a closure wall secured to the sloped open end of the shell and disposed in a plane inclined to the planes of the plates, said wall having transmission slots opening one into each of the shell passages and dividing the wall into a plurality of ribs disposed one in line with each of the passages, the area of the face of each of said ribs being greater than the cross-sectional area of its correlated passage taken along a plane normal to all of the plates; a header secured to the wall provided with chambers and nozzles opening thereinto; means securing the headers to the ribs; and means at the opposite end of the shell to receive a plurality of fluids for transmission through the passages, slots, and header in heat-exchange relation.

2,472,414
LAWN TRIMMING MACHINE
Harold L. Geater, Vinton, Iowa
Application October 30, 1945, Serial No. 625,546
4 Claims. (Cl. 56—25.4)

4. A lawn trimming machine, comprising an axle, wheels secured to the axle near its outer ends, a single substantially horizontal arm disposed adjacent to one wheel and inwardly thereof and upon one side of the longitudinal center of the axle, the single arm projecting forwardly of the adjacent wheel, a vertical fork carried by the forward end of the single arm and projecting above the same and provided at its top and bottom with bearings, a substantially horizontal guard bar disposed outwardly of the wheel adjacent to the single arm and extending longitudinally of the arm, a rear transverse arm secured at its outer end to the guard bar and at its inner end to the single arm, a forward transverse arm secured at its outer end to the guard bar and at its inner end to the vertical fork, a vertical rotatable shaft held within the bearings of the fork, a rotary cutter mounted upon the lower end of the vertical shaft and travelling close to the guard bar, longitudinal horizontal bolsters disposed upon the inner side of the single arm and secured to the axle, one of said bolsters being disposed at the longitudinal center of the axle, the other bolster being disposed upon the opposite side of the longitudinal center with respect to the single arm, a generally horizontal diagonal brace secured to the vertical fork and to one bolster, a motor mounted upon the bolsters, driving connecting means between the motor and vertical shaft, a handle disposed at the rear of the bolster and at the center of the axle and extending rearwardly longitudinally thereof, and means to rigidly connect the handle to the rear ends of the bolsters.

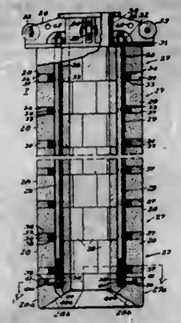


2,472,415
CROSS-WIND LANDING GEAR SHOCK ABSORBER FOR AIRPLANES
John Harlin Geisse, Washington, D. C.
Application February 6, 1947, Serial No. 726,891
3 Claims. (Cl. 244—103)



1. An airplane shock strut including an outer cylinder, an inner cylinder slidably and rotatably mounted in the outer cylinder, and a torsion spring element fixed in one cylinder and slidably but irrotationably mounted in the other cylinder.

2,472,416
BLOWING TUBE FOR MOLTEN METAL
Robert M. Gibson, Pittsburgh, Pa.
Application August 28, 1944, Serial No. 551,492
8 Claims. (Cl. 266—34)



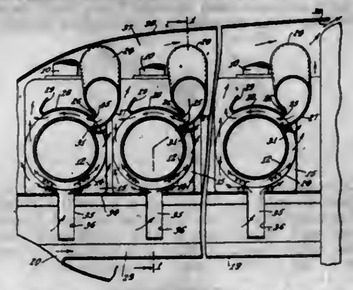
8. A metallic blowing tube comprising a tube body constructed of refractory blocks assembled upon longitudinal extending elongate members, in combination with circumferentially extending members arranged in spaced relation with respect to said longitudinal members for reinforcing the wall of the tube against pneumatic pressure developed in the bore of the tube in service, said longitudinal and circumferentially extending members being enclosed within the assembled blocks between the inner and outer surfaces of the wall of the tube constructed thereof.

2,472,417
PROCESS OF MANUFACTURE OF GLYCOL
Max Gonse, Forest-Brussels, Belgium, assignor to Solvay & Cie, Brussels, Belgium, a company of Belgium
No Drawing. Application July 23, 1947, Serial No. 763,140. In Switzerland October 15, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires December 24, 1962
4 Claims. (Cl. 260—635)

1. In a process of producing ethylenic glycol, the step consisting in hydrating ethylene oxide in the presence of a trihalogenacetic acid thereby producing glycol and volatile products, and separating the glycol from said volatile products by the action of heat.

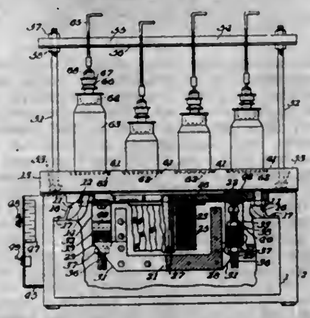
2,472,418
ENGINE COOLING BAFFLE
Alfred T. Gregory, Massapequa, N. Y., assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y., a corporation of Maryland
Original application December 7, 1943, Serial No. 513,211. Divided and this application January 29, 1945, Serial No. 575,083
8 Claims. (Cl. 123—171)

1. In a bipolar cooling system for an engine comprising a row of cylinders, the combination of at least one air scoop having an intake opening for receiving air under pressure, means on each side of said cylinders in communication with said scoop and provided with restricted passages having outlets extending substantially along the lengths of said cylinders at opposite sides thereof for directing air upon selected areas thereof, the air directed against the areas of said cylinders on one side of said bank of cylinders following the surface of said cylinders and flowing as a cross stream between the cylinders to a low pressure area, and said outlets on the other side



of said bank of cylinders comprising flanges having their ends terminating at the margins of said areas on said side of said cylinders and at points spaced from said cylinders.

2,472,419
METHOD OF DEFLOCCULATING BACTERIA
Glenn Green, Lakeville, Ohio, assignor to Syntron Company, Homer City, Pa., a corporation of Delaware
Application September 28, 1945, Serial No. 619,233
5 Claims. (Cl. 195—75)



1. The method of deflocculating bacteria for counting which comprises subjecting bacteria suspended or dispersed in a medium to a vertical mechanical vibration of relatively low magnitude and a frequency of 3600 to 7200 vibrations per minute.

2,472,420
TOUCH SIGNAL LEVEL
Frederick H. Hagner, San Antonio, Tex.
Application November 28, 1944, Serial No. 566,372
1 Claim. (Cl. 33—206)

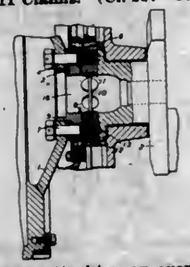
A touch signal levelling device for use when visibility is impossible comprising a body having a transverse elongated channel, a freely rollable gravity-controlled ball rollable throughout the length of the channel, said body having restricted openings at the opposite ends of said channel of less diameter, than the diameter of the ball through which said ball is adapted to protrude when the body is tilted, the restricted openings preventing the displacement of the ball from the

body, said openings being adapted to be covered by the hand of an operator, and said ball being adapted to signal the operator by sense of touch



upon contact with the hand thereby signalling the operator that the levelling device deviates from the zenith point.

2,472,421
MEANS FOR ATTACHING WHEELS TO SHAFTS
William Wilson Hamill, Little Aston, and Robert Strange Crump, Birmingham, England
Application October 29, 1946, Serial No. 706,332
In Great Britain November 7, 1945
11 Claims. (Cl. 287—53)



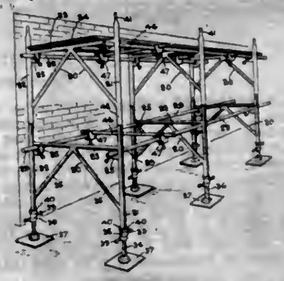
10. Means for attaching an overhung wheel to a shaft including a cavity in the end of the shaft, holes in said cavity extending from periphery to bore thereof, a nut seated in each hole and insertable or withdrawable by way of the bore of the cavity, and holding bolts passing laterally through the wheel hub with their heads adjacent the outer face thereof to engage the respective nuts.

2,472,422
COCCIDIOSTATIC COMPOSITION
Paul D. Harwood, Ashland, Ohio, assignor to Dr. Hess & Clark, Inc., Ashland, Ohio, a corporation of Ohio
No Drawing. Application August 21, 1946, Serial No. 692,128
4 Claims. (Cl. 167—53.1)

1. A coccidiostatic composition for the prevention and treatment of coccidiosis in poultry which are exposed to the said disease, consisting essentially of a mash feed and between 0.03 and 1 percent by weight of a member of the group consisting of para-nitrochlorobenzene, para-nitrobromobenzene and para-nitroacetanilides.

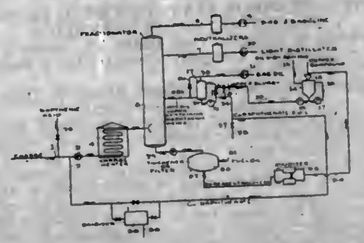
2,472,423
SCAFFOLDING
Albert Henry Hawes, Erdington, Birmingham, England, assignor, by mesne assignments, to Kwikform Limited, Small Heath, Birmingham, England, a British company
Application September 11, 1946, Serial No. 696,081
In Great Britain October 2, 1945
7 Claims. (Cl. 304—2)

1. A scaffold frame unit comprising two vertical tubular members, a horizontal member connecting said vertical members rigidly and permanently together, said horizontal member being adapted to engage and support a substantially horizontal platform or staging extending transversely of said frame unit, a pair of clamping devices secured permanently to the frame unit and adapted for clamping engagement with tubular scaffolding elements extending transversely and horizontally of the frame unit to secure the latter to a second similar unit or other structure, said clamping devices being disposed one adjacent to each junction between the said horizontal and vertical members of the frame unit, each clamping device comprising a bracket disposed in the angle between the said horizontal and



vertical members and extending between said members to each of which it is permanently secured to provide a reinforcement for said junction, the bracket having a transverse opening to receive the transverse scaffolding element by a movement along its length, said bracket having also adjacent to said opening a threaded socket, a clamping screw working in said threaded socket, a pressure plate on said clamping screw, the latter being rotatable relative to said plate, said plate being adapted for clamping engagement with said transverse scaffolding element, and said plate having a pair of spaced ears adapted to engage one on each side of said bracket.

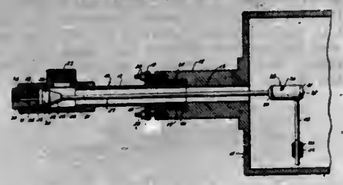
2,472,424
PRODUCTION OF CUPROUS NAPHTHENATE
Charles O. Hoover, Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application October 2, 1946, Serial No. 700,824
8 Claims. (Cl. 260—438)



1. The method of forming cuprous naphthenate which comprises bringing napthenic acid into intimate contact with a finely-divided copper compound of the group consisting of cuprous oxide, cupric oxide, cuprous hydroxide, cupric hy-

droxide, cupric carbonate and cupric acetate suspended in a fluid medium at a temperature above about 225° C.

2,472,425
PIPE JOINT
Charles W. Howard, Franklin, Ohio
Application September 19, 1946, Serial No. 697,891
2 Claims. (Cl. 285—10)



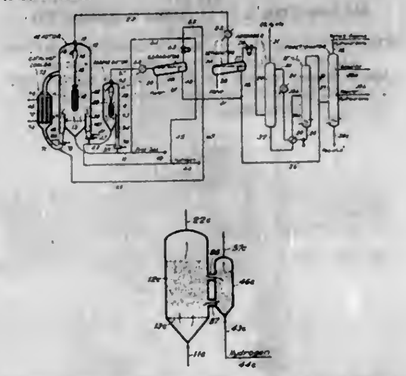
1. In a drying roll siphon including a suction pipe and a delivery tube, a joint comprising a tubular body forming a socket in one end thereof, said socket being provided with a slot extending diametrically of said body, said pipe extending through said slot, a ball movable in said socket and secured to said pipe, said tube extending through the remaining end of said body and communicating with said pipe through the medium of said ball, and a spring-pressed follower in said body in engagement with said ball.

2,472,426
PROCESS OF ENRICHING THE ENDOSPERM OF CEREAL GRAINS WITH NATURAL VITAMINS
Erich Gustav Husenlaub, Brentford, England, assignor to Mars and Husenlaub, Chicago, Ill., a copartnership
No Drawing. Application November 12, 1946, Serial No. 709,093
6 Claims. (Cl. 99—11)

1. That process of enriching the endosperm of cereal grains with natural vitamins which comprises steeping the grains of one kind of cereal in a liquid containing a proportion of natural vitamins dissolved by it out of a different kind of cereal, whereby the steeped grains acquire a higher vitamin content than they do when steeped—all other conditions being the same—in a liquid containing an equal proportion of the same natural vitamins dissolved out of the same kind of cereal as that being steeped.

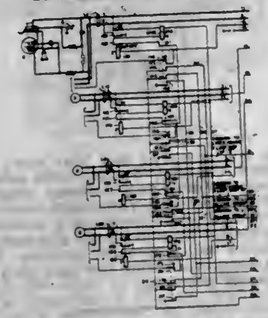
2,472,427
HYDROCARBON SYNTHESIS WITH FLUIDIZED CATALYST REGENERATION
Everett A. Johnson, Park Ridge, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application February 27, 1947, Serial No. 731,241
7 Claims. (Cl. 260—449.6)

1. The method of producing normally liquid products by a carbon monoxide-hydrogen synthesis reaction which method comprises passing a carbon monoxide-hydrogen gas mixture upwardly through a synthesis zone in contact with a large mass of solid synthesis catalyst which is regeneratable by hydrogen and which has a particle size substantially smaller than 200 microns and chiefly within the range of 2 to 100 microns, passing said gas mixture upwardly in said synthesis zone at a low velocity sufficient to produce a liquid-like dense turbulent phase of said catalyst superimposed by a light dispersed catalyst phase in said synthesis zone, withdrawing substantially catalyst-free gases from the upper part of said synthesis zone, maintaining said synthesis zone under conditions of temperature and pressure for effecting substantial conversion of carbon monoxide and hydrogen into normally liquid products, withdrawing a portion of the catalyst in dense phase liquid-like condition from the dense catalyst phase in the synthesis zone below the upper level of said dense catalyst phase, suspending the withdrawn catalyst in hydrogen in a regeneration zone which is at approximately the same elevation as the synthesis zone, employing a low upward gas velocity in the regeneration zone sufficient to maintain the catalyst therein in liquid-like dense phase condition, maintaining said regeneration zone under conditions of temperature and pressure for removing from the catalyst at least a part of the deposits which accumulate thereon in the synthesis zone, withdrawing catalyst in liquid-like dense phase condition from the regeneration zone for return to the synthesis zone, maintaining an open upper passageway between said zones below the dense phase levels therein, maintaining a lower open passageway between said zones at a lower level than the upper passageway, and effecting catalyst transfer between said zones by employing such upward gas velocities therein that the catalyst density between the upper and lower passageways in one of said zones is greater than in the other of said zones whereby unequal catalyst heads provide pressure differentials for effecting said transfer.



7. The method of producing normally liquid products by a carbon monoxide-hydrogen synthesis reaction which method comprises passing a carbon monoxide-hydrogen gas mixture upwardly through a synthesis zone in contact with a large mass of solid synthesis catalyst which is regeneratable by hydrogen and which has a particle size substantially smaller than 200 microns and chiefly within the range of 2 to 100 microns, passing said gas mixture upwardly in said synthesis zone at a low velocity sufficient to produce a liquid-like dense turbulent phase of said catalyst superimposed by a light dispersed catalyst phase in said synthesis zone, withdrawing substantially catalyst-free gases from the upper part of said synthesis zone, maintaining said synthesis zone under conditions of temperature and pressure for effecting substantial conversion of carbon monoxide and hydrogen into normally liquid products, withdrawing a portion of the catalyst in dense phase liquid-like condition from the dense catalyst phase in the synthesis zone below the upper level of said dense catalyst phase, suspending the withdrawn catalyst in hydrogen in a regeneration zone which is at approximately the same elevation as the synthesis zone, employing a low upward gas velocity in the regeneration zone sufficient to maintain the catalyst therein in liquid-like dense phase condition, maintaining said regeneration zone under conditions of temperature and pressure for removing from the catalyst at least a part of the deposits which accumulate thereon in the synthesis zone, withdrawing catalyst in liquid-like dense phase condition from the regeneration zone for return to the synthesis zone, maintaining an open upper passageway between said zones below the dense phase levels therein, maintaining a lower open passageway be-

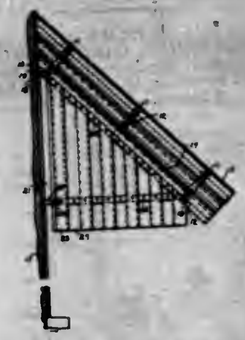
2,472,428
ALL RELAY TELEPHONE LINE CIRCUIT AND LINE FINDER
Roy W. Jones, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 22, 1947, Serial No. 762,751
13 Claims. (Cl. 179—18)



1. In a telephone system, lines having tens and units digit designations, a line circuit for each line including a line relay, an allotter common to said lines, a first and a second start relay included in said allotter, said first relay common to all said lines whose last digit ends in one through five and said second start relay common to all lines whose last digit ends in six through zero, said lines being arranged into tens line groups, a plurality of marking conductors, said marking conductors being divided into two groups, one group being tens marking conductors and the other group being units marking conductors, each tens marking conductor being individual to a corresponding said tens line group, and each units marking conductor being individual to the lines in all said tens line groups having corresponding units digit number designations, a plurality of linefinders, means responsive to the initiation of a call on one of said lines for operating the corresponding line relay, means responsive to the operation of said line relay for selecting said marking conductors corresponding to said calling line and for operating said start relay common to said calling line, means responsive to the operation of said start relay for operating one of said linefinders and for marking said selected marking conductors, and tens and units relays in said one finder operated in response to said marked marking conductors for extending said initiated call.

2,472,429
SHUTTER-FOLD AWNING
John Henry Kadleck, Pasadena, Calif.
Application October 18, 1945, Serial No. 704,148
2 Claims. (Cl. 160—183)

1. A device of the character described, comprising a supporting frame formed of upper and lower and intermediate bows, cross-bars secured to the ends of said bows, a tie board connected to said cross-bars at the center thereof, and spacing said cross-bars at the ends and center of said tie



board, inner and outer slats secured to said bows in offset relation to each other, means for hingedly supporting said frame on a house, and side frames for supporting said frame in inclined relation with the house.

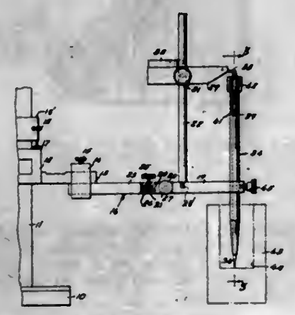
2,472,430
COLLAR
Ashley J. Logan, Waterville, Maine, assignor to C. F. Hathaway Co., Waterville, Maine, a corporation of Maine
Application August 28, 1947, Serial No. 771,926
4 Claims. (Cl. 2—132)



1. A collar of the character described comprising a band portion and a front fold, said front fold being formed by a front ply, a lining adjacent said front ply and of the same shape as said front ply, a rear ply of substantially the same shape as the front ply but having the side top parts thereof folding inwardly forming a hem which makes an angle with the top edge of the front ply, a pair of intermediate plies positioned between the lining and the rear ply, adjacent said rear ply, at the outer ends of said outer fold, each of said intermediate plies being about one quarter the length of the outer fold, a pair of intermediate triangular breaker strips positioned between said intermediate plies and the lining, and extending over the thinner portion, resulting from said inwardly folding of the rear ply, of the front fold, the lower and side edges of said plies and lining and the side edges of the triangular breaker strips being stitched together and a row of stitches passing through the top edges of the band, the lining, the front and intermediate plies, the triangular breaker strips and the central part of the top edge of the rear ply, a pair of parallel rows of stitches

between the rear and intermediate plies, said rows of stitches terminating close to the lower corners of the outer fold and forming a pair of pockets adapted to receive stiffening members.

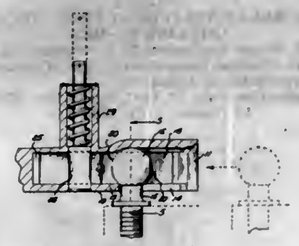
2,472,431
UNIVERSAL HEIGHT GAUGE ATTACHMENT
Mitchell M. Marcil, Springfield, Mass.
Application November 17, 1947, Serial No. 786,348
3 Claims. (Cl. 33—172)



3. A height gauge attachment for a dial indicator comprising parts hinged together and adapted to be connected to a horizontally extending bracket of a vertically disposed scale, means for locking the hinged parts at different angle positions thereon, a post extending from one of the parts in vertical relation thereto, a dial test indicator mounted on the post and a pointer device having a sleeve mounted in said last part in vertical relation thereto and in parallel relation to said post and said sleeve adapted to extend above and below the last mentioned part, and said pointer device comprising a rod slidably mounted in the sleeve, a cap fitted over the upper end of the sleeve and having an opening through which the rod is extended, said rod having an enlarged transversely extending hole therethrough, a pin extending through the rod and into the enlarged hole of the sleeve, said pin limiting the movement of the rod within the sleeve, and a spring surrounding the rod and reacting between the cap and the transverse pin in the rod, for coaction with the dial indicator.

2,472,432
TRAILER HITCH
Donald C. McCune and Harry Brooks, Cleveland, Ohio
Application December 31, 1946, Serial No. 719,494
4 Claims. (Cl. 280—33.17)

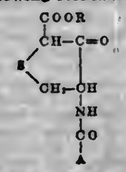
4. In combination with an upstanding vertical coupling member having an upper knob portion and a depending neck portion supporting said knob portion, a casing having an open end, said casing having a bottom wall provided with an inwardly extending slot to receive the neck portion of said vertical coupling member, a top wall carried by the casing in spaced relation to and overhanging said bottom wall thereby defining a socket within said casing, said upper knob portion supporting said top wall and thereby carrying the weight of the casing, coupling jaws mounted in said socket engageable with opposite sides of said knob for locking the vertical coupling member and casing together, pins pivotally securing said jaws in said socket, transverse abutment ledges carried by said casing in said socket, abutment shoulders carried by said jaws engaging said ledges when said jaws are in a knob-engaging position for bracing said jaws and relieving forward pulling strain from said pins, said shoulders extending laterally of said ledges and being movable into and out of con-



tact with said ledges as said jaws move to and from a knob-engaging position, said jaws having rearwardly diverging portions adapted to swing toward and away from each other as the jaws are opened and closed, and a vertical coupling pin carried by said casing and adapted to drop between said rearward portions of said jaws to automatically lock the jaws in a closed knob-engaging position.

2,472,433
BIOTIN INTERMEDIATE
Marjorie B. Moore and Edmond E. Moore, Waukegan, Ill., assignors to Abbott Laboratories, a corporation of Illinois
No Drawing. Application April 7, 1943, Serial No. 482,296
5 Claims. (Cl. 260—329)

1. A tetrahydrothiophene compound represented by the following formula:

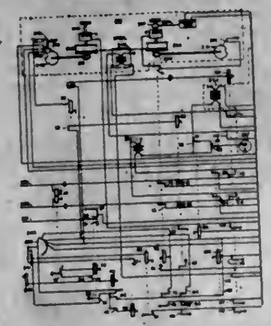


where the R is a lower alkyl group and A is selected from the group consisting of alkyl, aralkyl and aryl groups.

2,472,434
METHOD OF PREPARING VINYL ESTERS OF POLYCARBOXYLIC ACIDS
Alphonse Pechukas, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application August 24, 1946, Serial No. 692,923
7 Claims. (Cl. 260—485)

1. A method of preparing a vinyl ester, which comprises reacting a vinyl haloformate with a salt of a polycarboxylic acid, whereby to evolve carbon dioxide and to produce a vinyl ester of the polycarboxylic acid, and recovering said ester.

2,472,435
WIRE RECORDING SYSTEM
Edward S. Peterson, Elmwood Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 9, 1946, Serial No. 702,312
14 Claims. (Cl. 179—6)



1. In a telephone system, a line, a pair of wire recorders, means for establishing a connection between said line and one of said recorders, means responsive to the establishment of said connection for transmitting a message from said one recorder over said connection, means automatically operated only on termination of said message to operate the other of said recorders for the purpose of recording a message transmitted from said line, a second line, an initial starting point for said other recorder, means for connecting said second line to said other recorder, to operate said other recorder to transmit said recorded message over said second line, and to automatically reset said recorder to its initial starting point; said other recorder thereafter operated on receipt of further messages over either of said lines to automatically remove said first message on said other recorder.

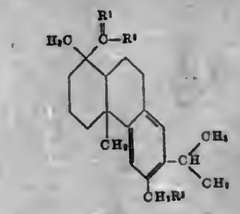
2,472,436
CONTAINER CAP
Dana Peterson, Newton, Mass.
Application June 16, 1947, Serial No. 755,374
1 Claim. (Cl. 215—43)



A container cap including a flat substantially rectangular body portion, end-to-end longitudinally diverging tongues depending from opposed sides thereof and formed integrally therewith, one of the tongues depending a greater distance than the other tongue, said cap open at one end at least for slidable advancement of the cap over the container mouth with the body portion positioned flat thereagainst, inwardly turned gripping edges on the tongues, proportioned for engagement by the threads of the threaded neck of a container, and means embodied in one of the gripping edges constituting a guide whereby to retain the cap in proper relation to the threaded neck during application or removal of the cap, said means being in the form of a shallow depression cut in said edge, the ends of said depression terminating a substantial distance from the ends of the gripping edge in which it is formed.

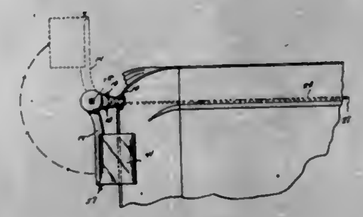
2,472,437
DEHYDROABIETIC ACID DERIVATIVES
Yolanda T. Pratt, Mount Rainier, Md., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 26, 1947, Serial No. 731,039
4 Claims. (Cl. 260—97)

1. As new compositions of matter, compounds derived from dehydroabietic acid having the following general formula:



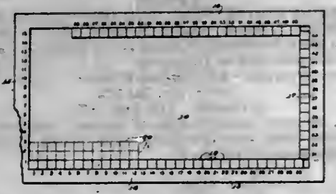
where R^1 is one of the group consisting of O and H_2; R^2 is one of the group consisting of OH, O-metal, O-alkyl and NH_2; and R^3 is one of the group consisting of Cl, Br, OH, SH, CN, SCN, COOH, COO-metal, OSO_3H, OSO_3-metal, NH_3X, NX_3, NX_3+, OX, in which X is an alkyl radical.

2,472,438
SWINGING AND ROTATING REFLECTING DEVICE FOR MOTOR VEHICLES
Voris V. Price, Brazil, Ind.
Application April 11, 1947, Serial No. 740,866
5 Claims. (Cl. 88—98)



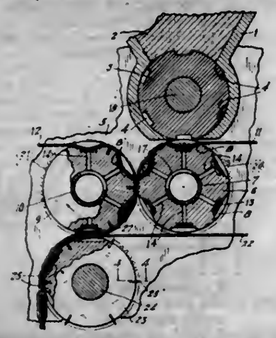
1. A device of the class described, comprising an arm adapted to be hinged to the front of a vehicle, a cylindrical recess in the end of the said arm, an inner cylindrical sleeve and an outer cylindrical sleeve adapted to nest within the said recess, each of the said sleeves being provided with a twisted diametral groove, the groove of one sleeve being in an opposed direction to that of the other sleeve, a diametral pin adapted to ride in the grooves of both sleeves, a mirror fixed to each sleeve, and a cable connected to the said pin, whereby a pull on the cable will swing the arm about its pivot and also move the pin to rotate the sleeves and their respective mirrors.

2,472,439
DEVICE FOR TEACHING ARITHMETIC
Alban E. Rogers, Swarthmore, Pa.
Application October 5, 1945, Serial No. 620,556
1 Claim. (Cl. 35—31)



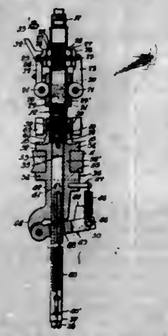
A teaching device comprising a rectangular board, training pieces movable thereover, four raised portions each bordering a side of said board and providing shoulders at their inner edges for abutment by said training pieces, two of said raised portions each bearing a sequential set of numerals progressing equidistantly from each other and from the junction of said raised portions, the common zero of said sets being at said junction, and a series of numerals on the two remaining raised portions forming a sequential continuation of the numerals on one of said first two portions.

2,472,440
MACHINE FOR FABRICATING PACKAGES
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application March 7, 1946, Serial No. 652,759
6 Claims. (Cl. 93—3)



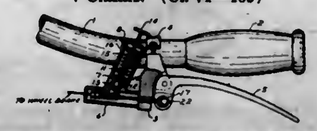
1. A packaging machine, including two parallel rotatable sealing rolls to receive and press layers of packaging material between them for sealing such layers together, one of said rolls having a plurality of circumferentially spaced recesses opening through its periphery, means for connecting said recesses to a source of vacuum whereby a layer of porous packaging material passing around said roll will be drawn by suction into said recesses, means for rotating said rolls in opposite directions, and means for depositing predetermined quantities of a commodity on the zones of the exposed side of such a layer of packaging material that overlie said recesses, whereby said commodity quantities will be drawn and held upon said layer of packaging material by suction in the respective recesses and will be enclosed between said layers.

2,472,441
SHEET FEEDING
Frank R. Schmitt, Hollis, N. Y., assignor, by mesne assignments, to Aeroexx Corporation, New Bedford, Mass., a corporation of Massachusetts
Original application October 7, 1942, Serial No. 461,238. Divided and this application May 6, 1947, Serial No. 746,366
9 Claims. (Cl. 271—30)



1. In an automatic machine for handling resilient sheets stacked under compression, a magazine, a follower in said magazine, a suction head near the upper part of said magazine, means imparting to said head a fixed vertical stroke to engage the top sheet of the stack, clamp means normally urged laterally to grip the upper part of the stack within the magazine, and means correlated with the movement of said head for opening said clamp when the head enters the magazine and for releasing said clamp for reclosure thereof prior to removal of the head from the magazine.

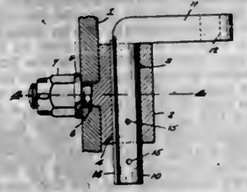
2,472,442
BRAKE LOCK
Theodore Schueler, Wood River, Ill.
Application April 25, 1947, Serial No. 743,759
7 Claims. (Cl. 74—489)



1. A lock for a hand operated brake lever comprising a bracket attached to the vehicle steering bar, a hand operated brake actuating lever pivotally connected to the bracket, a horizontally extending cylindrical housing mounted on the front of said bracket and having integrally formed therewith a substantially vertically extending cylindrical housing, the lower inner diameter of said vertical housing being reduced, a plunger mounted in said vertical housing having a shoulder slidable within the reduced portion of said housing, a spring surrounding said plunger and adapted to maintain said plunger in extended position, a detent integral with the lower

end of the plunger and normally positioned within the reduced portion of said vertical housing, a hollow rod attached to the said lever and extending into said horisontal housing, the forward end thereof being provided with a series of ratchets which are adapted to be engaged by the said detent when the plunger is depressed, and a brake operating cable extending through the rod and being operable by the operating lever.

2,472,443
DEAD LEVER FULCRUM
Harvey H. Shaffer, Berwick, Pa.
Application September 26, 1945, Serial No. 618,721
4 Claims. (Cl. 188—205)



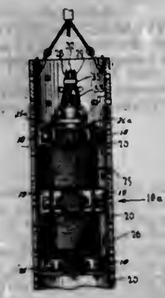
1. A dead lever fulcrum including a sleeve, means extending laterally from the sleeve for engagement with a bolster, a shank in the sleeve, said shank and sleeve having matching key-ways, means in the key-ways for holding the shank and sleeve against relative rotation, means within the shank and sleeve for holding the sleeve against longitudinal displacement, and a head on the shank.

2,472,444
PIPE
Edward E. Smatt, Lyndhurst, Ohio
Application July 11, 1945, Serial No. 604,375
1 Claim. (Cl. 131—202)



A smoking pipe comprising a bowl, a stem extending radially from the bowl near its bottom, said stem having an axial bore entering the end remote from the bowl and communicating with the interior of the bowl, said stem also having a pair of longitudinally spaced radial bores opening through the wall thereof and communicating with the axial bore, said radial bores extending in the direction of the open end of the bowl and along axes parallel with the longitudinal axis of the bowl, a plug in the axial bore of the stem between the radial bores, a block fixed to the stem, said block having a circular cylindrical chamber opening through one side of the block, said chamber being concentric about an axis which is spaced from the stem and lies along a plane midway between the radial bores, said block also having spaced parallel bores opening into the chamber and lying tangent thereto, said last named bores opening into the radial bores in the stem, a removable plug closing the open end of the chamber, a bit entering the open end of the axial bore and said bit having an axial bore extending therethrough and a radial bore which communicates with the radial bore in the stem remote from the bowl and a charge of filtering material removably contained in the chamber and extractable through the open end of the chamber when the plug is removed therefrom.

2,472,445
APPARATUS FOR TREATING OIL AND GAS BEARING STRATA
Severn D. Sprong, Monroe, N. Y.; Katharine Sprong Osborn (Katharine W. Sprong), executrix of Severn D. Sprong, deceased, assignor, by direct and mesne assignments, to Thermacter Company, New York, N. Y., a corporation of Delaware
Application February 2, 1945, Serial No. 575,859
1 Claim. (Cl. 219—33)

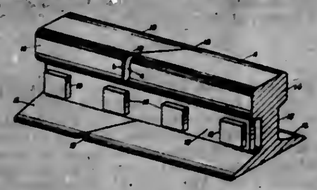


Means for heating sub-surface strata for the release of oil and other petroliferous material contained therein, said means comprising: electromagnetic heating means provided with a vertically extending central laminated core and a plurality of mutually vertically spaced sets of pole pieces, each set comprising a plurality of mutually horizontally spaced pole pieces and electrical windings surrounding said central core the lateral periphery of which is materially spaced from the lateral faces of said pole pieces whereby to provide passages through said heating element about said windings and between said pole pieces; in combination with a tubular member of electromagnetic conducting material disposed about said heating element in operative juxtaposition with the lateral faces of its said plural pole pieces, said tubular member being provided with perforations; and means for suspending said heating element within a bore leading to the sub-surface strata in close adjacency to said tubular member and the strata to be treated.

2,472,446
RAILWAY RAIL JOINT
George A. Standfast, Jefferson City, Mo.
Application September 19, 1947, Serial No. 775,100
1 Claim. (Cl. 238—230)

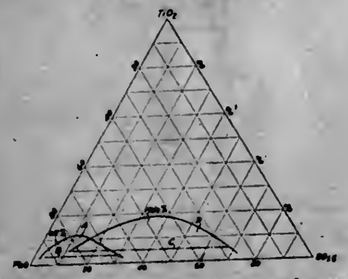
In a scarf-joint, railway rail comprising a flange, a web and a rail head having upper and lower rounded edges, said rail having its end surfaces disposed in respective planes substantially perpendicular to the bottom surface of said flange and inclined substantially 45° to the longitudinal center line of the rail, and said rail head having at each end thereof an acute toe and having on its outer side at the end of each toe a surface inclined upwardly and inwardly from the bottom curved edge of said side to a location disposed

inwardly of the adjacent upper curved edge and inclined outwardly from the end of said toe to



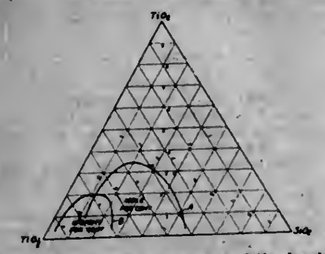
the surface of said side at a location spaced from the end of said toe.

2,472,447
LEAD-TITANIUM-BORATE GLASS
Kuan-Han Sun, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 29, 1946, Serial No. 644,181
2 Claims. (Cl. 106—47)



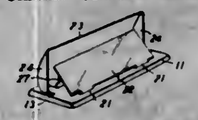
2. Optical glass having an n_D value greater than 2.0 and consisting of the fused heat reaction product of a batch consisting of titanium oxide, 12 parts by weight; lead oxide, 78 parts; and boron oxide, 10 parts.

2,472,448
THALLIUM-SILICATE GLASS
Kuan-Han Sun, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 9, 1946, Serial No. 689,528
4 Claims. (Cl. 106—52)



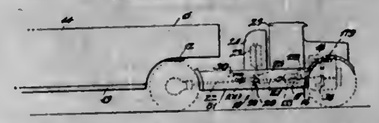
1. An optical glass consisting of the heat-reaction product of a batch consisting of compatible oxides, at least ninety per cent by weight of which consists of silica, thallous oxide, and titanium dioxide.

2,472,449
DISPLAY BOX
Robert Van Reesa, New York, N. Y., assignor to J. Makowsky Corporation, a corporation of New York
Application March 25, 1946, Serial No. 656,855
3 Claims. (Cl. 206—45.13)



6. In a display box, a hollow base member, having a top provided with a cut-out portion toward its rear including forwardly extending narrow slots near the ends of the top and forwardly extending wide slots nearer the center than the narrow slots, a display member hinged at its front to the top and normally overlying the wide slots, a cover member pivoted on the top the pivot axis being above the top of the base member and forward of the rear of the cover member a distance greater than the height from the top of the base member, downwardly extending side walls to the cover member so that the side walls enter the narrow slots when the cover is turned on its pivots, and forwardly extending lugs on the cover passing through the wide slots and lifting the rear of the display plate when the cover is turned on its pivot.

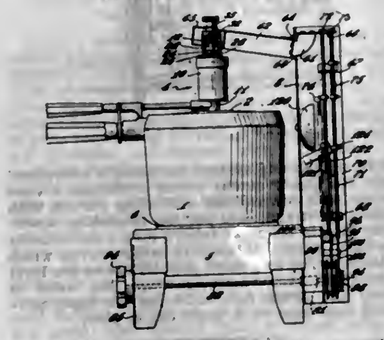
2,472,450
MOTOR VEHICLE
Horace R. Van Vleck, Upper Montclair, N. J.
Application February 14, 1946, Serial No. 647,583
7 Claims. (Cl. 180—53)



6. In a motor vehicle having sets of front and rear wheels, an engine, a propeller shaft for transmitting power from the engine including a drive section and a driven section, driving means operatively connecting the driven section of the propeller shaft to one of said sets of wheels, a clutch for connecting the engine to the drive section of the propeller shaft and disconnecting it therefrom, means for selectively connecting and disconnecting the drive and driven sections of the propeller shaft, a carburetor for supplying a gaseous fuel mixture to the engine, a throttle valve for normally controlling the supply of gaseous fuel mixture from the carburetor to the engine and a governor for normally preventing operation of the engine above a predetermined speed; the improvement which comprises a power take-off, means for selectively connecting said power take-off to and disconnecting it from the drive section of the propeller shaft, a generator supported by the vehicle, means operatively connecting the power take-off to the generator, a second throttle valve for controlling the supply of gaseous fuel mixture from the carburetor to the engine independently of said first-mentioned throttle valve, means normally maintaining said second throttle valve in a position inoperative to throttle the engine, a second governor, means operatively connecting the power take-off to the second governor for operating the same, and means operatively connecting the second governor to the second throttle valve, the action of

said last-named connecting means being so controlled by the second governor that when the power take-off is operatively connected to the drive section of the propeller shaft and the engine is operated above a predetermined speed above its idling speed, the second governor operates the second throttle valve to reduce the gaseous fuel mixture supplied to the engine, whereby when the drive and driven sections of the propeller shaft are disconnected and the power take-off is operatively connected to the drive section of the propeller shaft and the drive section of the propeller shaft is operatively connected to the engine through the clutch, the engine may be operated at a substantially constant and predetermined speed above its idling speed and below the maximum speed permitted by the first-named governor to assure the generation of a substantially constant and predetermined amount of electrical current.

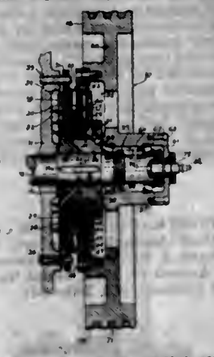
2,472,451
PRESSURE COOKER
Lyman F. Whitney, Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation, Providence, R. I., a corporation of Rhode Island
Application April 12, 1945, Serial No. 587,933
34 Claims. (Cl. 219—43)



1. Pressure food cooking apparatus comprising an enclosed vessel having an opening, a control head associated with said opening and including a heat-responsive member, heating means arranged to apply heat to said vessel, timing mechanism including time setting means for governing the operation of said heating means, and control mechanism associated with said heat-responsive member so that when thermal conditions within said vessel rise above a predetermined point, said control mechanism operates to diminish said heating means.

2,472,452
AIR ACTUATED CLUTCH AND BRAKE DEVICE
Reuben E. Wissman, Minster, Ohio, assignor to The Minster Machine Company, Minster, Ohio, a corporation of Ohio
Application April 9, 1945, Serial No. 587,296
10 Claims. (Cl. 192—18)

1. In the combination of a press having a drive shaft overhanging the press frame unsupported on the outward end thereof carrying a flywheel thereon and a combination brake and clutch on the drive shaft between the press frame and the flywheel, a brake plate carried on said shaft and disposed closely adjacent the frame of the press, a single brake ring adjacent said brake plate and supported by the frame of the press, a clutch plate supported by said shaft, a single clutch ring adjacent said clutch plate and carried by the flywheel of the press, a disc-type common actuating member carried by said shaft between said rings for alternate engagement of either thereof, fluid operated means carried by said

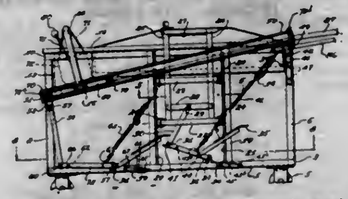


brake plate in substantial radial alignment with said brake ring and connected with said actuating member to engage the clutch, and spring means between said clutch plate and said actuating member within the inner periphery of said clutch ring and between the radial planes of said rings for disengaging the clutch and engaging the brake.

2,472,453
STREPTOMYCIN COMPOSITION OF REDUCED TOXICITY
Frank J. Welf, Westfield, and Max Tishler, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 26, 1946, Serial No. 686,480
1 Claim. (Cl. 167—65)

A streptomycin preparation of reduced toxicity comprising, as an amorphous powder, an unreacted mixture of streptomycin with 8 to 16% of its weight of calcium chloride.

2,472,454
GLAZE APPLYING MACHINE
Virgil E. Ackles, Los Angeles, Calif., assignor to Doughnut Corporation of America, New York, N. Y., a corporation of New York
Application January 13, 1947, Serial No. 721,815
1 Claim. (Cl. 91—2)



In a glazing machine for doughnuts and the like embodying a frame structure, a pan on said structure for containing glazing material, a vertically movable tray supporting carriage for mov-

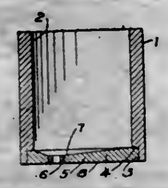
ing a tray in and out of the glazing material in said pan; a tiltable track, a carriage on said track and means on said carriage for pouring a glazing material on a batch of doughnuts or the like floating on the material in said pan; toggle members connected to said tray supporting carriage, a foot pedal for actuating said toggle members to raise and lower said carriage, a locking pedal for releasably engaging said foot pedal for holding said tray supporting carriage in an elevated position, spring means for cushioning downward movement of said tray supporting carriage, toggle members connected to said tiltable track, a foot lever for actuating said toggle members to raise and lower said track, a releasable locking pedal for engaging said last named foot lever for holding said track in its elevated position and spring means for cushioning downward movement of said track.

2,472,455
DUAL GRIP CONTRACTIBLE HOSE COUPLING
Herman Kimball Ansingh, Beaufort, N. C., assignor to Frank J. Raybould, Lakewood, Ohio
Application August 14, 1946, Serial No. 690,355
3 Claims. (Cl. 285—86)



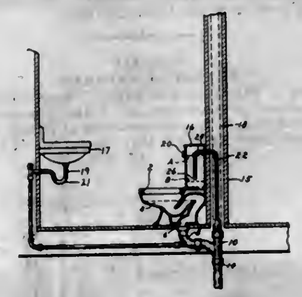
1. A hose coupling comprising a slotted cylindrical collet bushing which is adapted to fit around a flexible hose with the end of the hose projecting a short distance beyond the end of the bushing, a straight screw thread formed on the outer wall of said bushing, a nut having a tapered thread on the interior thereof and adapted to be screwed onto said bushing, an insert permanently secured to said nut and movable therewith and comprising an elongated tapered portion and a conical cam section, said nut and said insert cooperating with each other to simultaneously expand the interior of the hose radially outwardly and to compress the exterior of the hose radially inwardly and to compact the end of the hose between the end of the bushing and the nut, as said nut is screwed onto said bushing.

2,472,456
CRUCIBLE AND METHOD OF MAKING CRUCIBLES
Robert J. Anicetti, Beverly, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application March 20, 1945, Serial No. 583,769
19 Claims. (Cl. 263—48)



16. A crucible comprising a separate tubular graphite side wall member having a portion of the inner wall adjacent one end machined to a larger inner dimension and forming a shoulder member, a separate graphite bottom member comprising a disc-like member the periphery of which is machined, with the bottom member pressed into the side wall member in engagement with the shoulder member and with the machined periphery of the bottom member securely engaging the machined portion of the inner wall of the side wall member with a machine fit.

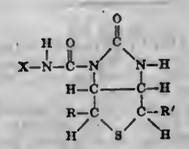
2,472,457
VENT SYSTEM FOR SANITARY TOILETS
Isaac E. Ash, Athens, Ohio
Application October 4, 1948, Serial No. 52,715
4 Claims. (Cl. 4—211)



2. In a plumbing system including a toilet reservoir, the improvement which comprises a vent pipe having a downwardly extending portion with an open lower end, said portion extending downwardly in said reservoir from a level substantially even with the level of water in said reservoir when the latter is full to a point slightly above the level of water in said reservoir when the toilet is flushed, and means for connecting the upper portion of said pipe to a main drain pipe.

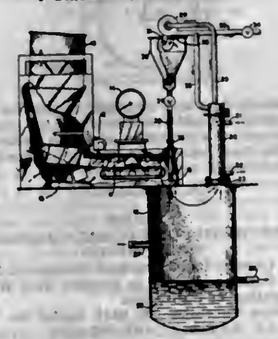
2,472,458
IMIDAZOLIDO THIOPHANES AND METHODS OF PREPARING SAME
Bernard R. Baker, Nanuet, and Merle V. Querry, Pearl River, N. Y., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 14, 1945, Serial No. 610,872
11 Claims. (Cl. 260—309)

1. Chemical compounds having the general formula:



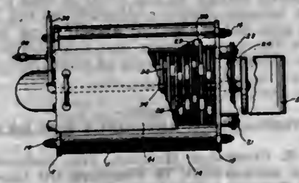
in which X is a member of the group consisting of hydrogen, alkyl and aryl radicals, and R and R' are members of the group consisting of hydrogen, N-alkyl carbamidoalkyl radicals and N-aryl carbamidoalkyl radicals.

2,472,459
METHOD AND APPARATUS FOR FEEDING ADSORBENT MATERIALS TO STREAMS OF LIQUID HYDROCARBONS
Daniel B. Banks, Drexel Hill, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application May 16, 1947, Serial No. 747,290
9 Claims. (Cl. 196—147)



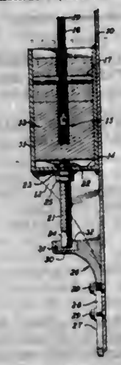
1. In a process for removing impurities from liquid hydrocarbons by the continuous-contact filtration process wherein predetermined quantities of finely divided particles of adsorbent material are added continuously to a body of preheated liquid hydrocarbons in a treating tank and vapors, containing entrained particles of adsorbent material, are formed within the tank: the steps of removing said vapors from the tank to a heating zone removed from the zone of admission of the adsorbent material to the tank and therein maintaining said vapors in vapor phase; conducting the vapors so heated in the heating zone to a separating zone and therein separating, from the vapors, the entrained adsorbent particles; returning said separated particles to the treating tank; and returning vapors, from which said particles have been so separated, to the heating zone and therein mixing them with the vapors being removed from the tank.

2,472,460
VEGETABLE PEELER
Harry R. Banks, Creston, Iowa, assignor of one-half to C. A. Overturf, Algonac, Mich.
Application February 4, 1946, Serial No. 645,347
3 Claims. (Cl. 146—49)



1. A vegetable peeler comprising a substantially cylindrical container, means mounting the container with its axis horizontal, a series of shafts the opposite ends of which are journaled in the end walls of the container, said shafts being parallel and forming a cradle-like support, each shaft having knockers and pulleys alternately mounted thereon, drive means for rotating all the shafts, knockers and pulleys about their own respective axes, axially aligned annular members having peripheries resting upon and driven by the pulleys on the shafts, said annular members forming a conduit through which vegetables pass from one end to the other of the container, and the knockers extending radially beyond the peripheries of the pulleys and into the conduit between the annular members to peel the vegetables by impact thereon.

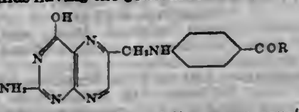
2,472,461
CHAIN SUPPORT
Luther A. Blackburn, Lynwood, Calif.
Application September 13, 1946, Serial No. 696,665
4 Claims. (Cl. 74—242.14)



1. In a device for supporting an endless chain, a stationary support, a casing, having an open end, secured to said support, a pair of pillow blocks, means to hold said pillow blocks in spaced relationship within said casing, an adjusting screw threaded through the end of said casing opposite to the open end thereof and bearing upon said means to vary the position of the pillow blocks, and a sprocket journalled between said pillow blocks.

2,472,462
PROCESS OF PREPARING PTEROIC ACID AND AMINO ACID AMIDES THEREOF
James H. Boothe, Pearl River, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 3, 1947, Serial No. 745,719
7 Claims. (Cl. 260—251)

1. A method which comprises reacting together 2,4,5-triamino-6-hydroxy-pyrimidine and a member of the group consisting of N(acyl)-N(beta-dihalo - gamma - halopropyl) para aminobenzoic acids and amino acid amides thereof, whereby compounds having the general formula,



in which R is a member of the group consisting of a hydroxyl radical and an amino acid radical, are produced and recovered.

2,472,463
THE DISTILLATION OF A MIXTURE OF HYDROCARBONS

Richard C. Brandon, Elizabeth, and Minor C. K. Jones, Mountainside, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

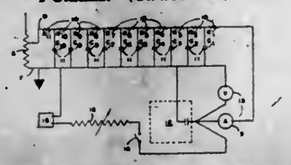
No Drawing. Application May 5, 1945, Serial No. 592,272
4 Claims. (Cl. 196—35)

1. A method of distilling cracked gasoline which consists of the steps of mixing gasoline containing gum forming unsaturated hydrocarbons with about one-fourth its volume of petroleum phenols and an acid catalyst selected from the class consisting of sulfuric acid and aromatic sulfonic acid and recovering overhead a gasoline of substantially greater storage stability.

2,472,464
WELL ANALYZER

William A. Bruce, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware

Application April 19, 1945, Serial No. 589,203
4 Claims. (Cl. 235—61)



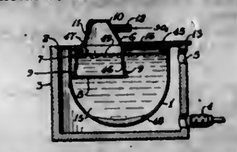
1. A method for studying the behavior of a well producing a fluid from a subterranean formation, which comprises establishing an electrical circuit having a source of power to represent formation pressure, resistances to represent total resistance to flow of fluid through the formation for a predetermined distance around the well, condensers to represent the fluid capacitance of the formation for said distance around the well, a condenser to represent fluid capacitance of the well itself, and current draw-off means to represent the production of fluid from the well, determining the variations of bottom hole pressure in the well with time when the well is shut in after flowing, adjusting the various elements of the electrical circuit to give a variation in voltage with time at the point in the electrical counterpart corresponding to the bottom of the bore hole corresponding to the variations of bottom hole pressure in the well with time when the well is shut in after flowing, and thereafter introducing into the electrical circuit electrical changes which correspond to projected changes in operation of the well, and measuring in the circuit the effect of such projected changes on the other factors involved in the production of fluid from the well.

2,472,465
APPARATUS FOR THE TREATMENT OF MOLTEN METALS

Robert C. Cornell, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

Application July 26, 1945, Serial No. 607,182
2 Claims. (Cl. 266—34)

1. An apparatus for preparing magnesium and its alloys for casting comprising an open top melting vessel in a furnace setting adapted to hold a body of the molten metal at casting temperature, with a flux on the surface of the molten metal, said vessel having a rim resting on a furnace setting, a flux shield supported on the rim and arranged to isolate a portion of the surface of the molten metal so as to exclude flux therefrom, a

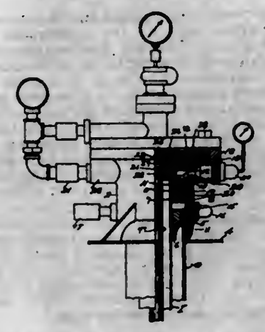


baffle attached to and disposed across the bottom of the shield, a hood over the shield for maintaining a protective atmosphere over the molten metal under the hood, said hood having an opening for the admission of a ladle.

2,472,466
LANDING HEAD FOR PLURAL CASINGS AND OIL TUBINGS

Ewell C. Counts, La Habra, and Norman H. Le Roy, Brea, Calif., assignors to Shaffer Tool Works, a corporation of California

Application November 10, 1947, Serial No. 785,112
5 Claims. (Cl. 285—22)



1. In a well casing head, in combination, an outer casing, a cylindrical body member mounted on the outer casing and having a central bore, longitudinally spaced, downwardly and inwardly inclined step projections formed on the face of the body bore, an inner casing, spacing and packing means between the said inner casing and the outer casing resting on the lower of said projections, a tubular device concentric in the inner casing, and upper packing and spacing means between the inner casing and said device and directly resting on the upper of said projections.

2,472,467
FRICTION LINING ASSEMBLY FOR BRAKE BANDS

Robert R. Crookston, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application August 19, 1946, Serial No. 691,484
8 Claims. (Cl. 188—249)

1. An assembly adapted for attachment to a brake band defining an arcuate inner surface and spaced openings extending through the band substantially normal to said surface, comprising, in combination, an arcuate sheet member having a width coinciding with that of the brake band, its outer surface having a curvature corresponding to that of the inner surface of the brake band, dowel members secured to the outer surface of the sheet member and normal thereto, said dowels defining threaded passages and a friction lining member

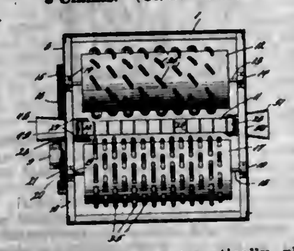


having an area coinciding with that of the inner surface of the sheet member and defining spaced perforations coinciding with the spacing of the threaded passages defined by the dowel members, and means arranged to engage with the threaded passages of the dowel members for securing the friction lining to the sheet member.

2,472,468
MACHINE FOR AUTOMATICALLY REMOVING THE FEATHERS FROM FOWL

Emmet B. Digby, Atlanta, Ga.

Application February 2, 1946, Serial No. 646,360
8 Claims. (Cl. 17—11.1)



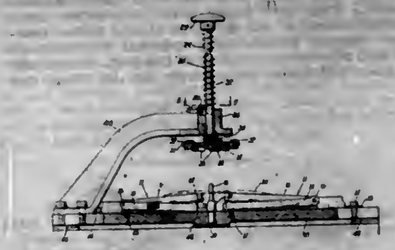
1. In a machine for automatically plucking feathers from fowl, two spaced longitudinally extending rotary members, an endless conveyor mounted in the space between the said rotary members and travelling longitudinally of the said rotary members, each rotary member provided on its outer surface with a plurality of elastic frictional means, the said elastic frictional means each provided with a plurality of transversely extending ridges, the said elastic means on one of the rotary members extending at an angle to the axis of the rotation of said rotary members, the said elastic frictional means being adapted to rotate the fowl about its longitudinal axis, and force the opposite ends of the fowl against the said frictional members and thereby remove the feathers from said fowl, and means for operating the said rotary members in a like direction and driving the endless conveyor.

2,472,469
STAPLE SETTING MACHINE

Thomas F. Didato, Middlesex, N. J.

Application February 1, 1947, Serial No. 725,914
7 Claims. (Cl. 1—3)

1. In a stapling machine, in combination, a horizontal support, a plurality of radially disposed magazine stapling heads carried by said support, and a plurality of staple clinchers moveable vertically with respect to said support to simultaneously clinch a plurality of staples at the stapling heads.



2,472,470
PROCESS FOR THE PREPARATION OF MERCAPTANS

Lawrence T. Eby, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 4, 1945, Serial No. 609,046
10 Claims. (Cl. 260—609)

4. A process of making mercaptans having the general formula, RSH, wherein R represents a hydrocarbon group containing an alkyl radical which comprises reacting hydrogen sulfide at room temperature in the presence of a Friedel-Crafts type catalyst with an organic halide of the formula, R_1X, where R_1 represents an alkyl radical and X represents a halogen atom.

2,472,471
PROCESS FOR THE PREPARATION OF THIOETHERS

Lawrence T. Eby, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 4, 1945, Serial No. 609,041
9 Claims. (Cl. 260—609)

1. A process of making thioether compounds having the general formula R—S—R', wherein R and R' represent hydrocarbon groups containing an alkyl radical, which comprises reacting a mercaptan of the formula RSH with an organic halide of the formula R'X, X representing a halogen atom, in the presence of a Friedel-Crafts type catalyst at a temperature within the range of —20° C. and 200° C.

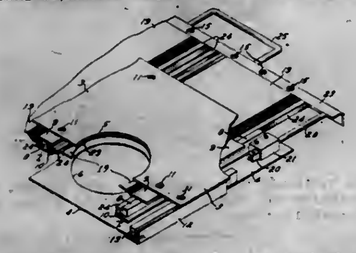
2,472,472
LOADING TRAY

Carl E. Ellsworth, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware

Application April 22, 1946, Serial No. 664,028
10 Claims. (Cl. 18—1)

9. For use with a high-frequency heating unit, a portable loading tray electrode removable therefrom for loading and unloading of dielectric objects to be heated and comprising an upper plate having openings therethrough to receive and space said objects, a lower plate slidable with respect to said upper plate and having openings therethrough, which when aligned with the openings of the upper plate provide for discharge of

said objects, said lower plate frictionally engaging said unit during insertion into and withdrawal of the tray from said unit and being slightly spaced from said upper plate to provide, upon misalignment of the openings of said plates, shallow recesses preluding accidental displacement of said objects in handling of the tray, and handle means connected respectively to the front end



of said lower plate and to the rear end of said upper plate for accessibility of only one of them when the tray is in said unit in avoidance of accidental displacement of said objects and for accessibility of both of them when the tray is out of said unit for handling of the tray and for effecting relative sliding movements of said plates in loading and unloading of the tray.

2,472,473
CONVERSION OF HYDROSULFIDES TO NEUTRAL SULFUR SUBSTANCES
Lloyd C. Fetterly, Long Beach, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 16, 1946, Serial No. 716,636
15 Claims. (Cl. 23—224)

4. A process for converting aliphatic hydrocarbon hydrosulfides to aliphatic hydrocarbon disulfides comprising contacting said aliphatic hydrocarbon hydrosulfides in an aqueous alkaline solution of an alkali metal alkaline compound with an oxygen-containing gas in the presence of from about 0.01% to about 5% by weight based on the weight of said solution of an amino-hydroxy-nitrobenzene oxidation catalyst containing attached to the benzene nucleus three polar groups selected from the class of groups consisting of amino and hydroxy groups.

5. A process for converting hydrocarbon hydrosulfides to neutral sulfur substances comprising contacting said hydrocarbon hydrosulfides in an aqueous alkaline solution with an oxygen-containing gas in the presence of a small amount of an amino-hydroxy-nitrobenzene oxidation catalyst containing attached to the benzene nucleus three polar groups selected from the class of groups consisting of amino and hydroxy groups.

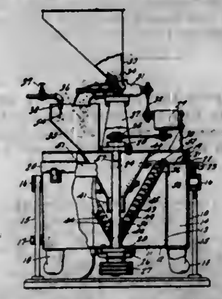
2,472,474
LATCH
Charles B. Gash, Oak Park, Ill.
Original application August 26, 1944, Serial No. 551,371. Divided and this application September 7, 1945, Serial No. 615,002
2 Claims. (Cl. 292—120)

2. Latch means for simultaneously holding a first member against rectilineal movement and a second member against swinging movement on an axis spaced from and substantially parallel to said first member with the axis being arranged normal to the direction of movement of said first member, said latch means comprising a lever, a pivotal mounting for said lever between said members, elements of an interlocked connection on one end of said lever and said first member, elements of another interlocked connection on



the other end of said lever and said second member, and means associated with said pivotal mounting for rotating said lever to simultaneously make and break said interlocked connections.

2,472,475
CENTRIFUGAL AMALGAMATOR
Tolbert Hamilton, Oakland, Calif.
Application June 21, 1946, Serial No. 676,279
7 Claims. (Cl. 209—199)

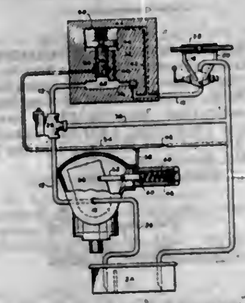


1. A concentrating and amalgamating mill comprising; a bowl-type spinner operating on a vertical axis and means for driving said spinner; said spinner having a series of concentric riffles extending throughout its height interiorly thereof; and an intake for the lower central portion of the spinner and means for intercepting discharge from the top of the spinner; said spinner being of inverted conical form for gradually increasing the centrifugal force as material advances upwardly toward the point of discharge; said riffles being L-shaped in cross-section with the leg of each riffle extending inwardly diagonally upward at right-angles to the inside surface of the spinner and with the head of each riffle being directed upwardly parallel to the inside surface of the spinner to form a rectangular pocket open between the top of the head and the bottom of the next superposed riffle to cause violent eddies within the spaces between the riffles, and with the diagonal arrangement of the legs of the riffles increasing the contact area of mercury in the pockets to a maximum in excess of the area of the spinner under centrifugal action.

2,472,476
ANTACID COMPOSITION
Leo L. Hardt, Chicago, Ill., assignor to Hardt Foundation, a nonprofit corporation of Illinois
No Drawing. Application March 15, 1948, Serial No. 15,047
5 Claims. (Cl. 167—55)

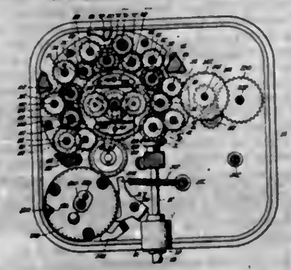
1. A pharmaceutical composition for the treatment of peptic ulcer comprising a mixture of animal mucin from 2% to 90% by weight, aluminum hydroxide gel from 10% to 95% and magnesium trisilicate from 0 to 85%.

2,472,477
VOLUME CONTROL SYSTEM FOR PUMPS
Ferris T. Harrington, Detroit, and James Robinson, Huntington Woods, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application September 13, 1946, Serial No. 696,864
13 Claims. (Cl. 60—52)



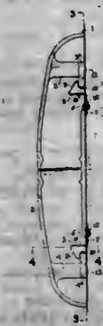
12. A speed governor for a hydraulic transmission employing a variable displacement pump hydraulically connected to a fixed displacement constant speed motor, comprising a motor circuit, a flow control and relief valve in the motor circuit, a control conduit connected to the relief valve for receiving excess pressure fluid, a restriction in the control conduit, and a pressure actuated pump compensator connected to the control conduit at a point ahead of the restriction for varying the pump displacement.

2,472,478
VARIATING MECHANISM
Sherwood Hinds, Columbia City, Ind., assignor to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland
Application December 2, 1944, Serial No. 566,336
26 Claims. (Cl. 74—353)



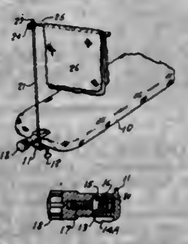
1. In variating mechanism, the combination of a driving shaft, output means, drive shafts arranged around said output means, operative connections between said driving and drive shafts, selected gears on certain of said drive shafts, selecting gears movable to selectively connect said selected gears to said output means, said output means being adapted to operate driven means in accordance with the rotation of the selected of the selected gears, stop means for preventing rotation of said selecting gears when engaged thereby, setting means for moving said selecting gears to mesh with the selected of the selected gears or to engage said stop means, said setting means including a movable member for each of said selecting gears, and means associated with one of said movable members for preventing operation of said variating mechanism unless each of said selecting gears is operatively connected with one of said selected gears, or to said stop.

2,472,479
HANDLE MOUNTING
John G. Hoff, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio
Application June 12, 1946, Serial No. 676,468
5 Claims. (Cl. 16—114)



1. In a mounting for detachably securing a handle to a door panel, said handle having a pair of spaced opposed lugs adapted to engage the door panel and each of said lugs having a boss adapted to project through a complementary aperture in the door panel, a pair of spaced clips secured to the door panel, each of said clips having a free end which is adapted to engage one of said lugs and resiliently hold it against said panel.

2,472,480
CLOTHES RACK
John Huhn, Jr., Detroit, Mich.
Application November 22, 1946, Serial No. 711,594
1 Claim. (Cl. 211—86)

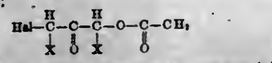


A rack for ironed articles consisting of a C-clamp adapted to be fixed to an ironing board, a cylindrical hollow boss on said clamp, a plug slidable therein, said boss and plug being pro-

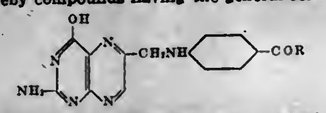
vided with registering openings constituting a passage therethrough, an arm having a portion adapted to enter said passage, said arm normally extending vertically, and having a laterally extending branch, and means for moving relatively said plug and boss whereby to fix said arm portion against movement in said passage.

2,472,481
METHOD OF PREPARING PTERINS
Martin E. Hultquist and Doris R. Seeger, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 29, 1947, Serial No. 751,464
6 Claims. (Cl. 260—251)

1. A method which comprises reacting together 2,4,5-triamino-6-hydroxypyrimidine, an amide of para-aminobensoic acid and a compound having the formula:



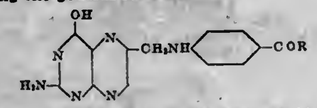
in which X is a member of the group consisting of hydrogen and halogen, one of which is halogen, whereby compounds having the general formula,



in which R is a substituted amino radical, are produced and recovered.

2,472,482
PROCESS OF PREPARING SUBSTITUTED PTERINS
Martin E. Hultquist, Bound Brook, and Paul Franklin Dreisbach, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 10, 1947, Serial No. 779,204
6 Claims. (Cl. 260—251)

6. A method which comprises reacting together 2,4,5-triamino-6-hydroxypyrimidine, a 1,1-dihalo-2,3-epoxypropane and an amino acid amide of para-amino-benzoic acid whereby compounds having the general formula:



in which R is a radical of the amino acid being attached to the carbonyl group by an amide linkage, are produced and recovered.

2,472,483
CATHETER-TYPE INSTRUMENT
Louis H. Krippendorf, White Plains, N. Y., assignor to American Catheter Corporation, Port Chester, N. Y., a corporation of New York
Original application May 5, 1944, Serial No. 534,207, now Patent No. 2,437,542, dated March 9, 1948. Divided and this application December 10, 1947, Serial No. 790,818
2 Claims. (Cl. 138—49)

1. In an elongated flexible catheter-type instrument, a fabric base formed of intertwined threads, the threads in one region of said base being of the same material as, but of appreciably lesser calibre than, those in a longitudinally-adjacent region thereof, the flexibilities of the corresponding sections of the instrument being correspondingly affected.

2,472,484
CATHETER-TYPE INSTRUMENT
Louis H. Krippendorf, White Plains, N. Y., assignor to American Catheter Corporation, Port Chester, N. Y., a corporation of New York
Original application May 5, 1944, Serial No. 534,207, now Patent No. 2,437,542, dated March 9, 1948. Divided and this application December 10, 1947, Serial No. 790,819
4 Claims. (Cl. 138—49)



1. In an elongated flexible catheter-type instrument, a fabric base formed of intertwined threads, the threads in one region of said base being of the same material as, but of appreciably lesser calibre than, those in a longitudinally-adjacent region thereof, the flexibilities of the corresponding sections of the instrument being correspondingly affected.

2,472,485
CATHETER-TYPE INSTRUMENT
Louis H. Krippendorf, White Plains, N. Y., assignor to American Catheter Corporation, Port Chester, N. Y., a corporation of New York
Original application May 5, 1944, Serial No. 534,207, now Patent No. 2,437,542, dated March 9, 1948. Divided and this application December 10, 1947, Serial No. 790,820
2 Claims. (Cl. 138—49)

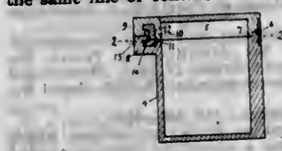


1. In an elongated flexible catheter-type instrument, an initially limp fabric base impregnated with a flexible stiffening medium and coated with a flexible varnish, the varnish which coats one region of said base being of appreciably greater flexibility than that which coats a longitudinally-adjacent region thereof, the flexibilities of the corresponding sections of the instrument being correspondingly affected.

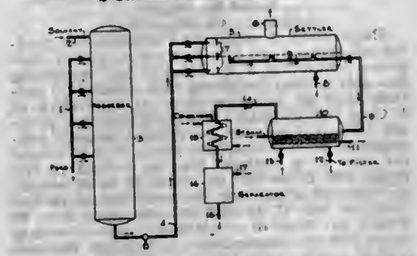
2,472,486
LOCKING MEANS FOR CASES, CONTAINERS, AND THE LIKE
George Levinson, New York, N. Y.
Application May 9, 1945, Serial No. 592,872
5 Claims. (Cl. 217—57)

1. A container comprising a hollow body with an open side, a cover adapted for closing and

opening said body, said body and said cover contacting each other in closed position with surfaces positioned in a plane parallel to said open side, said surfaces having grooves extending from the same line of contact in a direction perpendicular to said plane, said grooves having inner extensions directed angularly to said perpendicular direction, and a bar slidably fitting said grooves and their extensions and passing through said contacting surfaces in a direction perpendicular to said plane.



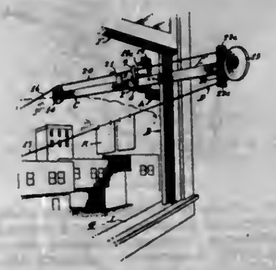
2,472,487
BUTADIENE EXTRACTION
John B. Lovell, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 29, 1946, Serial No. 658,208
3 Claims. (Cl. 260—681.5)



1. In a process for extracting a diolefin from a mixture of hydrocarbons containing a diolefin with a cuprous salt solution, the steps which comprise contacting a liquid mixture of hydrocarbons containing the diolefin with cuprous salt solution, passing the mixture of hydrocarbons and cuprous salt solution to a settler where separate layers of the mixture of hydrocarbons and the cuprous salt solution are formed and withdrawing from the interface of the mixture of hydrocarbons and the cuprous salt solution a portion of said solution, thereby removing substances having a tendency to promote foaming and emulsification.

2,472,488
WINDOW CLOTHESLINE SUPPORT
Robert P. McNaught, San Francisco, Calif.
Application December 10, 1946, Serial No. 715,242
5 Claims. (Cl. 211—119.08)

2. In a window clothes-line support; a bracket adapted to be secured to the exterior of a window frame; an arm pivoted intermediate of its length to the bracket; the arm normally being arranged in substantially upright position on the outside of a window and being swingable toward a horizontal position to move one end thereof through a window opening; pulleys mounted on the arm near the ends thereof and adapted to have a clothes-line trained thereover; a fixed jaw extending upwardly from the bracket; and a second jaw secured to the arm and horizontally spaced outward of the pivot when the arm is moved toward horizontal, the portion of the clothes-line disposed between the pulleys being guided between the jaws; the jaws being positioned and coacting with one another to clamp the clothes-line therebetween when the arm occupies a substantially upright position and to free their grip on the clothes-line upon moving the arm toward a horizontal position.



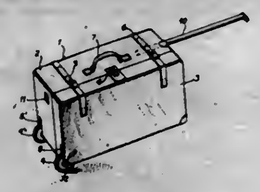
2,472,489
PREPARATION OF CLAY CATALYSTS
Jerry A. Pierce, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 18, 1947, Serial No. 780,767
4 Claims. (Cl. 252—450)

1. A method of producing a catalyst useful for the catalytic cracking of hydrocarbon oils which comprises digesting a bentonite clay with sulfuric acid to produce an activated clay, washing the clay to remove the products of such treatment, drying the clay, treating the dried clay with a dilute hydrochloric acid wash, drying and activating the treated clay by heating to from 800° to 1200° F.

2,472,490
PROCESS OF PREPARING POROUS GLASS CATALYSTS
Charles J. Plank, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application September 13, 1947, Serial No. 773,927
5 Claims. (Cl. 252—432)

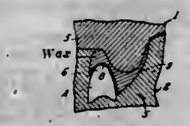
1. A process for preparing a porous siliceous composition of matter suitable for use as a catalyst and promoting catalyst carrier, which comprises forming a glass melt consisting essentially of 5 to 15 per cent of an alkali metal oxide, 15 to 30 per cent of boric oxide, 55 to 75 per cent of silica, and 5 to 15 per cent of a metal oxide selected from the group consisting of the oxides of iron, copper, and nickel, heating said melt at a temperature of between about 400° C. and about 650° C. to effect a solid glass having a phase rich in silica, a phase poor in silica, and a devitrified phase, leaching said glass with an acidic aqueous solution selected from the group consisting of dilute aqueous solutions of mineral acids and concentrated aqueous solutions of ammonium chloride to dissolve out said phase poor in silica and said devitrified phase and thereafter drying the resultant porous composition.

2,472,491
MOBILE LUGGAGE
Bernard Quinten, Tuckahoe, N. Y.
Application July 1, 1947, Serial No. 758,249
2 Claims. (Cl. 280—38)



1. An article of mobile luggage comprising a container body having a pair of laterally spaced compartments disposed adjacent one end and bottom corner respectively adjacent the opposite side walls of said body, said compartments having bottom and end openings through the outer contour of said body and being provided with walls separating them from the interior of said body, a pair of wheels individually rotatably journaled on respective hollow axles supported on the outer end of respectively cooperating axle arms whose inner ends are pivotally mounted adjacent an outer wall of said respective compartments, said parts being constructed and arranged so that when said axle arms are moved about their pivotal axis in one direction said wheels are disposed in retracted position within their respective compartments and when said axle arms are rotated in the opposite direction said wheels are disposed in their respective openings with a portion of their peripheries extending exteriorly of said body contour, said wheels being provided with respective latching pins slidably disposed in said hollow axles and resiliently urged inwardly, said pins having spaced apart portions engageable with respective relatively fixed portions provided by said compartment walls for selectively holding said wheel in retracted or extended position.

2,472,492
CAST OR MOLDED DENTURE
Jacob A. Saffir, Kew Gardens, N. Y., assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York
Application January 30, 1945, Serial No. 575,291
7 Claims. (Cl. 18—55.1)



1. The method of making a plastic denture which comprises molding the denture plate with the teeth in situ in the mold, the gingival portion of said teeth being provided with means for preventing direct contact of said teeth with the molding material and permitting removal of said teeth, said teeth uniformly converging toward their gingival end portion into the denture plate material, curing the said plastic material, and removing said teeth, whereby a cured plastic denture plate having formed teeth-receiving sockets is attained.

2,472,493
CATALYTIC DEHYDROGENATION OF ALCOHOLS
Helmuth G. Schneider, Westfield, and Vincent F. Mistretta, Fanwood, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application December 28, 1944, Serial No. 570,210, now Patent No. 2,436,733, dated February 24, 1948. Divided and this application September 29, 1945, Serial No. 619,416
8 Claims. (Cl. 260—596)

7. The method of producing ketones which comprises passing a secondary aliphatic alcohol over a metal oxide dehydrogenation catalyst selected from the group consisting of zinc oxide, cerium oxide and magnesium oxide and 1 to about 6% by weight of bismuth oxide under conversion conditions of temperature and pressure.

2,472,494
SAFETY FUEL INGREDIENTS AND THEIR PREPARATION
Ober C. Slotterbeck, Rahway, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 26, 1946, Serial No. 643,757
1 Claim. (Cl. 260—683.15)

The method of preparing a hydrocarbon product suitable for use in a safety fuel, which comprises contacting a C_4 refinery cut containing iso- and normal butylenes with about 75% sulfuric acid at a temperature in the range of 0° C. to 100° C. until a final total polymer product formed from the butylenes contains substantially no di-isobutylene, about 15 to 30 weight per cent of a codimer fraction boiling in the range 105° C. to 145° C., about 50 to 80 weight per cent of a polymer fraction boiling in the range of 145° C. to 200° C. and about 5 to 20 weight per cent of a polymer fraction boiling above 200° C., separating the codimer fraction boiling in the range 105° C. to 145° C., contacting the codimer fraction with about 85% strength sulfuric acid at a temperature in the range 0° C. to 60° C. until above 80% by weight of the polymers in said codimer fraction are converted to polymers boiling above 200° C.

2,472,495
CONDENSATION PRODUCT OF A POLYHALOGENATED ALIPHATIC HYDROCARBON AND A COPOLYMER OF A POLYMERIZABLE CYCLIC COMPOUND AND AN UNSATURATED ALIPHATIC HYDROCARBON
William J. Sparks, Cranford, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 3, 1945, Serial No. 591,843
14 Claims. (Cl. 260—88.1)

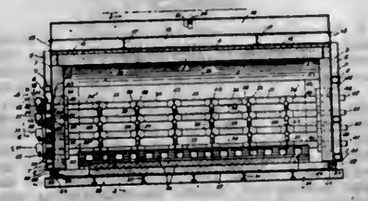
13. The process which comprises chemically condensing 20 to 90 parts by weight of a copolymer of a polymerizable aromatic hydrocarbon containing one mono olefinic side chain and an aliphatic olefin containing from 4 to 8 carbon atoms with 20 to 200 parts of a material consisting essentially of an alkene dihalide, said process being carried out in the presence of a Friedel-Crafts catalyst at a temperature ranging from 90° to 210° F.

2,472,496
1-CARBETHOXY-4-METHYLPIPERAZINE, ITS SALTS, AND METHOD OF PREPARING SAME
Hugh W. Stewart, Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 26, 1948, Serial No. 11,337
5 Claims. (Cl. 260—268)

1. 1-carbethoxy-4-methylpiperazine, and salts thereof.

5. A method of preparing 1-carbethoxy-4-methylpiperazine which comprises mixing under reactive conditions a member of the group consisting of 1-carbethoxypiperazine and salts thereof with formaldehyde in the presence of a mineral acid and zinc.

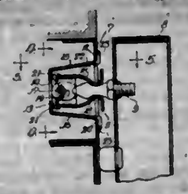
2,472,497
FURNACE
Kenneth W. Stookey, Shaker Heights, Ohio, assignor to The Gas Machinery Company, Cleveland, Ohio, a corporation of Ohio
Application January 28, 1946, Serial No. 643,914
19 Claims. (Cl. 263—42)



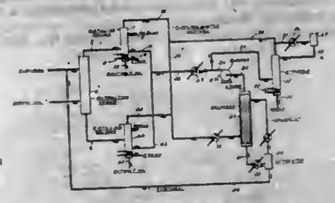
1. A furnace comprising a chamber adapted to be heated; a tube in heat exchange relation with said chamber comprising a plurality of tube sections formed of non-metallic, refractory material abutting end-to-end with adjacent abutting end surfaces which are substantially portions of surfaces of concentric spheres, whereby each of said spherical abutting surfaces fits closely with the adjacent substantially concentric and spherical abutting end surface in a ball-and-socket joint which permits limited universal angular movement between adjacent tube sections having said spherical abutting surfaces; means for supporting said tube sections while permitting limited angular movement thereof; and means operating on an end of said tube for exerting on the tube a longitudinal compressive force which holds said tube sections together in abutting relation so that each of said ball-and-socket joints is substantially gas-tight within the range of universal angular movement of said tube sections.

2,472,498
CATCH
Roy A. Stone, Rockford, Ill., assignor to National Lock Company, Rockford, Ill., a corporation of Delaware
Application March 29, 1946, Serial No. 658,175
4 Claims. (Cl. 292—18)

1. A catch adapted to be mounted in an opening in a metal wall, comprising an integral body formed of sheet metal shaped to provide a base, a pair of oppositely disposed resilient walls projecting outwardly therefrom and provided at the outer ends thereof with means for engaging the margins of said wall opening to lock the body to said metal wall and a pair of oppositely disposed ears projecting outwardly from said base, a pintle connecting said ears, a pair of holding and clamping jaws pivoted on said pintle, and a spring urging said jaws into clamping relation.



2,472,499
SOLVENT EXTRACTION OF OIL
Charles M. Stone, Long Beach, Calif., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 7, 1947, Serial No. 746,490
6 Claims. (Cl. 196—14.26)



1. In the fractional separation of oil by extraction with a water miscible organic solvent liquid wherein a mixture comprising solvent liquid and a fraction of said oil is obtained as a result of said extraction and the solvent is thereafter separated from said oil fraction with the aid of steam in a distillation zone, thereby obtaining a mixture of solvent and water, the method of recovering solvent from said solvent-water mixture which comprises passing said solvent-water mixture to an absorption zone, subjecting it therein to contact with a non-aqueous liquid absorbent for said solvent liquid which is higher boiling than water, effecting said contact at a temperature above the boiling point of water at the pressure prevailing within said absorption zone, separately removing from said zone a vapor stream of water containing some residual solvent and a liquid stream of absorbent containing dissolved solvent recovering solvent from removed absorbent, recycling a portion of said vapor stream to said distilling zone, passing another portion thereof to a secondary distilling zone, forming a secondary distillate consisting of an azeotropic mixture of solvent and water and a secondary residual liquid comprising water, discharging said residual liquid, and recycling said secondary distillate to said absorption zone.

2,472,500
GRAPPLING TOOL FOR JOISTS AND STUDS
Laverne E. Swanson, Manistee, Mich.
Application July 29, 1947, Serial No. 764,475
1 Claim. (Cl. 294—86)

A grappling tool for joists or studs, constructed from a single continuous bar or strip of metal of rectangular form in cross section, and comprising a straight elongated handle formed at

one end with a U-shaped grapple hook, a central V-shaped longitudinal rib tapered to a knife edge, formed on the inner edge of the transverse base portion of the grapple hook, and a pair of cor-



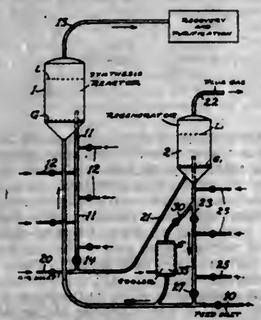
responding laterally spaced longitudinally disposed V-shaped ribs tapered to a knife edge, on the inner edge of the shorter arm of the U-shaped grapple hook, with the first and last mentioned ribs disposed in alternating relation.

2,472,501

PROCESS OF REGENERATING SYNTHESIS CATALYST WITH OXYGEN AND RETURN OF OXIDIZED CATALYST TO THE SYNTHESIS REACTOR

Sumner B. Sweetser, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application December 20, 1945, Serial No. 636,248
3 Claims. (Cl. 260—449.6)



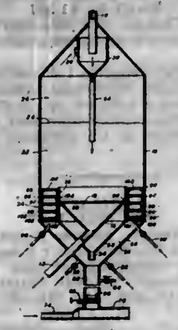
1. In a continuous method for synthesizing normally liquid hydrocarbons in a process in which a mixture of carbon monoxide and hydrogen is fed to a reaction zone containing a body of fluidised iron catalyst which becomes contaminated with deposits during the reaction, the improvement which comprises withdrawing a portion of fouled catalyst from a lower portion of the reaction zone, conducting it to a regeneration zone, charging an oxygen-containing gas to the regeneration zone where it contacts the catalyst maintained in the form of a fluidised mass, maintaining the catalyst in said regeneration zone for a time sufficient and at conditions adequate to effect regeneration by burning of the catalyst contaminants and to oxidise the iron of the catalyst at least in part, withdrawing regenerated and oxidised catalyst from said regeneration zone, returning catalyst so withdrawn to said reaction zone, controlling the rate of oxidised catalyst return to said reaction zone at a value of less than about 2% of the total weight of catalyst in said reaction zone, per hour, and maintaining said reaction zone at a temperature of about 600°–650° F.

2,472,502

APPARATUS FOR STRIPPING FINELY DIVIDED SOLIDS

Charles W. Tyson, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application July 28, 1945, Serial No. 607,639
2 Claims. (Cl. 23—288)



1. An apparatus of the character described adapted for stripping volatile material from solid particles, comprising a vertical shell, an annular passageway inside said shell for the withdrawal of solid particles from the lower portion of said shell, a plurality of transverse sections of open-mesh grating, within said annular passageway, means for supporting said sections one above the other in spaced relation so that the sections are parallel and extend horizontally across said annular passageway, means for introducing solid particles to be stripped into the upper part of said annular passageway and means for introducing a stripping gas at at least one point into the lower part of said annular passageway whereby the introduced gas flows upwardly countercurrent to the introduced downflowing solid particles, said grating sections functioning to prevent undesired circulation of the solid particles in said vessel while permitting downward flow of solid particles and simultaneous upward flow of stripping gas.

2,472,503

LUBRICATING OIL COMPOSITIONS

Johan Leonard van der Minne, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 9, 1946, Serial No. 708,935. In the Netherlands October 1, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 1, 1965
5 Claims. (Cl. 252—37)

1. A mineral lubricating oil having incorporated therein, in an amount sufficient to inhibit oxidation and corrosion, an oil-soluble polyvalent metal salt of an acidic aromatic compound selected from the group consisting of phenols and aromatic carboxylic acids and a saponifiable oxidation product of a polymeric olefin of lubricating oil viscosity, said oxidation product being obtained as follows: polymerizing an olefinic hydrocarbon material of boiling range of from about 100° C. to about 300° C. to produce a synthetic polymeric olefin hydrocarbon oil of lubricating oil viscosity and oxidizing said synthetic hydrocarbon oil at a temperature between about

150° C and 200° C. with an oxygen-containing gas for sufficient time to partially oxidize the synthetic hydrocarbon oil while avoiding breakdown thereof.

2,472,504

ORGANOMETALLIC COMPOUND

Carl Winning, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Original application December 30, 1939, Serial No. 311,835. Divided and this application October 18, 1944, Serial No. 559,256
1 Claim. (Cl. 260—609)

The barium salt of a tertiary amyl phenol sulphide.

2,472,505

ANIMATED FISHING LURE

Lee Roy Yocam and Donald K. Newman, Vancouver, Wash.

Application October 24, 1947, Serial No. 781,938
6 Claims. (Cl. 43—42.01)



3. An animated fishing lure which comprises a body, a shaft rotatably mounted in said body, means for rotating said shaft, a plurality of fins pivotally attached to said body, on said shaft a cam engaging said fins, whereby to oscillate the same by rotating said shaft, a tail pivotally attached to said body, a slotted arm on said tail, and a crank on said shaft adapted to turn within a slot in said tail, whereby to cause said tail to oscillate with the rotation of said shaft.

2,472,506

FIRE EXTINGUISHER

Richard Zieschang, Brentford, England, assignor to The Pyrene Company Limited, Brentford, England, a British company

Application October 12, 1945, Serial No. 622,603
In Great Britain November 12, 1944
2 Claims. (Cl. 169—31)



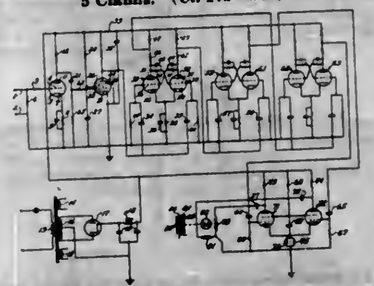
1. In a hand-operated fire-extinguishing apparatus of the kind set forth, a cylindrical container for a liquid having a discharge nozzle for the liquid to be expelled from said container, a pipe extending longitudinally inside said container and communicating with said discharge nozzle, and a revoluble liquid pick-up device extending over substantially the whole length of said container, said pick-up device having at each end a boss secured to said pipe and each provided with a passage communicating with the inside of said pipe, each of said passages having at its outer end a valve seat, a ball cooperating with each valve seat, a housing for each ball in which the ball is positively moved into and out of engagement with its valve seat, means slidingly supported for longitudinal movement on said pipe and carrying both of said housings whereby the latter must move in unison to force one of said balls away from engagement with its valve seat and the other ball into engagement with its valve seat.

2,472,507

POLYPHASE SUPPLY CIRCUIT

John H. Andresen, Jr., Port Washington, and Edward Kasner, Brooklyn, N. Y., assignors to Square D Company, Detroit, Mich., a corporation of Michigan

Application October 19, 1946, Serial No. 704,512
5 Claims. (Cl. 172—281)



5. A circuit for producing a two phase output of subdivided frequency from a single phase input comprising a first electronic tube fed from said input and having its output voltage of the same frequency as the input but of rectangular wave form, a first Eccles-Jordan frequency divider circuit fed by said rectangular wave form voltage and having its output two voltages of subdivided frequency 180° spaced in time phase, a pair of Eccles-Jordan frequency divider circuits each fed by one of the output voltages of said first Eccles-Jordan circuit and producing output voltages of further subdivided frequency and a circuit fed by two only of the four outputs of said pair of Eccles-Jordan circuits to produce a two phase output of subdivided frequency spaced 90° in time phase relation, the load resistors of said pair of Eccles-Jordan frequency divider circuits being unbalanced to insure consistent order of firing of the tubes therein.

2,472,508

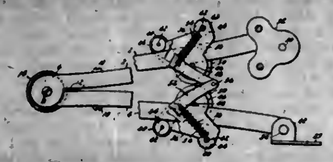
DOOR CHECK AND CLOSER

James G. Allen, Ubly, Mich.

Application September 9, 1946, Serial No. 695,599
5 Claims. (Cl. 16—80)

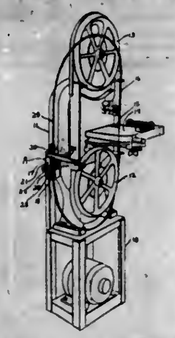
1. A door check and closer comprising a pair of pivoted, spring-pressed arms adapted for mounting respectively upon a door and its frame, connected travelers on the arms, rollers on the

travelers engaging the outer surfaces of the arms as the door is opened, and friction rollers on the travelers disposed between the arms and engage-



able with each other and the inner surfaces of the arms as the door is closed under tension of spring pressure and retarding the closing.

2,472,509
BLADE-SHEARING BAND-SAW ATTACHMENT
Christopher J. Anderson, Peru, Ind.
Application August 29, 1946, Serial No. 693,665
1 Claim. (Cl. 143—157)



An attachment for a band saw, the latter having oppositely disposed pulleys over which an elongated continuous band saw blade is removably mounted, said attachment comprising an elongated mounting block having means for connection to an adjacent frame of the band saw and provided with a guide groove extending in the direction of its length and in a direction corresponding to the long sides of the band saw blade, and in which a portion of said band saw blade is adapted to be mounted when said band saw blade is removed from said pulleys, a means for removably clamping said blade portion in said groove, a shearing blade carried by said plate at one end of the groove, a handle pivotally mounted on one end of said plate and movable through a plane substantially at right angles with respect to the plane of said adjacent frame of said band saw, and a shearing blade carried by said handle for cooperating with the shearing blade carried by said plate, substantially as described.

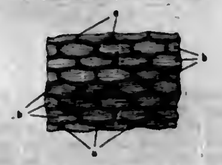
2,472,510
WIRE TWISTING DEVICE
Loren E. Bennett, Winnetka, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 22, 1946, Serial No. 656,332
5 Claims. (Cl. 140—149)

4. A device for twisting the ends of stranded conductors comprising a wire member having an elongated shank portion and a spiral hook portion formed on one end thereof, and drive means at the other end of said wire member and in spaced relation to said hook for rotating said wire member about a fixed axis,



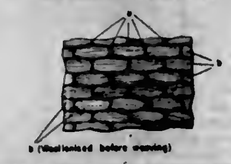
said spiral hook portion being formed with each successive portion thereof starting at the juncture with the shank portion curving progressively longitudinally forward and transversely away from and circumferentially around the axis of rotation.

2,472,511
MANUFACTURE OF BLANKETS, BLANKET MATERIAL, FELT SUBSTITUTES, AND CARPET MATERIAL
Arthur Paul Benthall, Calcutta, Bengal, British India, assignor to Bird & Company, Calcutta, Bengal, British India, a partnership firm
Application November 27, 1944, Serial No. 565,433
In British India January 15, 1944
5 Claims. (Cl. 28—76)



1. A process for the manufacture of a differentially woollenised jute fabric, which comprises weaving the fabric with a hard-spun relatively thin but strong warp and a relatively thick loosely-spun weft, whereby a woven fabric is produced in which the greater part of the visual bulk of the material is constituted by the loosely-spun weft, which weft is thus in a condition which can more readily be acted upon by the caustic to be subsequently used and can more easily be "nap raised," subjecting the so-woven fabric to a treatment with caustic until the weft is substantially completely woollenised, washing out the excess caustic before any appreciable woollenising of the warp takes place, and submitting the resultant fabric to a "nap raising" treatment.

2,472,512
BLANKETS, BLANKET MATERIAL, FELT SUBSTITUTES, AND CARPET MATERIAL
Arthur Paul Benthall, Calcutta, Bengal, British India, assignor to Bird & Company, Calcutta, Bengal, British India, a partnership firm
Application November 27, 1944, Serial No. 565,432
In British India January 15, 1944
4 Claims. (Cl. 28—80)



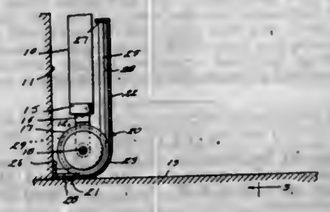
1. A chemically woollenised or woven jute fabric having a thick and loosely-spun jute weft and a thin and hard-spun but otherwise untreated jute warp, the bulk of the weft being considerably greater than that of the warp, said weft having been substantially completely woollenised prior to weaving, whereby the surface of the fabric is constituted primarily of woollenised weft.

2,472,513
BELT DRIVING DEVICE
Nils Olof Bergquist, Appelviken, near Stockholm, Sweden
Application February 20, 1946, Serial No. 648,981
In Sweden February 26, 1945
1 Claim. (Cl. 74—229)



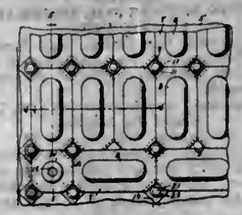
A belt driving device, comprising, in combination, a belt having a main portion for transmitting the essential part of the driving power and having at least one ridge integral with said main portion and extending in the longitudinal direction of the belt, and a pulley having a substantially cylindrical portion contacting said main portion of the belt and at least one circumferential groove in said cylindrical portion, which groove corresponds to the ridge of the belt, said ridge and said groove being of such shape and dimensions, that on a straight part of the belt the ridge does not entirely fill up the groove laterally but when running over a pulley in bent condition will fill up the groove laterally and exert a pressure on the side walls of the groove on account of the deformation caused by the bending of the belt over the pulleys.

2,472,514
ROLLER TRACK
David T. Brinkley, Elk Park, N. C.
Application January 18, 1946, Serial No. 641,951
3 Claims. (Cl. 5—317)



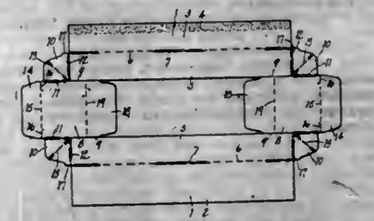
1. In a fixture of the character disclosed for use with articles of furniture having leg supports, the combination of a roller support for each of the legs of the furniture to facilitate movement thereof between relatively permanent and temporary positions, and a track for the roller support to move along during said movement of the furniture, said track having relatively short and long legs substantially rigidly disposed at right angles to each other and interconnected by an arcuate portion which conforms to the periphery of the roller support.

2,472,515
DIES
Paul H. Brinkoeter, San Antonio, Tex., assignor to Ed Friedrich, Inc., San Antonio, Tex., a corporation of Texas
Application July 19, 1946, Serial No. 684,967
1 Claim. (Cl. 113—49)



In embossing dies, a pair of die shoes, a set of die blocks for each shoe, one set having protuberances and the other set having protuberance-receiving recesses, and means for securing the die blocks to their respective shoes, each die block being rectangular in form and being provided with bevelled corners having grooves parallel to the horizontal faces of the blocks, splines held in adjacent grooves of adjacent blocks, and clamping screws threaded into the shoes and passing through holes in said splines.

2,472,516
CARTON
Kenneth T. Buttery, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich., a corporation of Michigan
Application July 12, 1946, Serial No. 683,029
6 Claims. (Cl. 229—30)

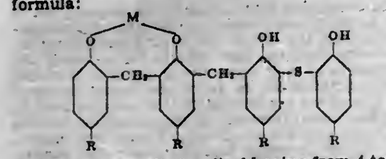


1. A collapsible box formed of a single blank scored and slit to provide hingedly connected bottom and side and end walls, the bottom comprising complementary bottom members disposed at the ends of the blank and overlapped and adhesively secured together, the side walls being hingedly connected in the blank to the inner edges of the bottom members, the end walls being disposed in the blank between the inner edges of the side walls, said side walls and end walls being connected only by foldable corner members, said corner members being foldable upon the inner sides of the end walls, the end walls being of greater width than the side walls and having tucking flaps at their outer edges in the blank, the tucking flaps being disposed between the bottom and the lower edges of the corner members when the box is erected, there being slits at the ends of their hinge connections to the end walls, the corner members having lugs engaging said slits when the end walls are erected, the end walls being provided with wrapping supporting flaps on their inner edges in the blank,

the portions of the end walls which extend above the upper edges of the side walls and the said wrapping supporting flaps being formed of stock between the inner edges of the side walls in the blank.

2,472,517
ADDITION AGENTS FOR MINERAL OIL LUBRICANTS
Troy L. Cantrell, Lansdowne, and Herschel G. Smith, Wallingford, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 20, 1947, Serial No. 756,090
22 Claims. (Cl. 252—42.7)

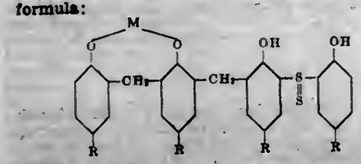
11. A lubricant composition comprising a major amount of a mineral lubricating oil and a minor amount, sufficient to confer detergent properties on the composition, of a salt having the formula:



wherein R is an alkyl radical having from 4 to 12 carbon atoms, and M is a divalent metal.

2,472,518
ADDITION AGENTS FOR MINERAL OIL LUBRICANTS
Troy L. Cantrell, Lansdowne, and Herschel G. Smith, Wallingford, Pa., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 8, 1947, Serial No. 759,690
22 Claims. (Cl. 252—42.7)

11. A lubricant composition comprising a major amount of a mineral lubricating oil and a minor amount, sufficient to confer detergent properties on the composition, of a salt having the formula:



wherein R is an alkyl radical having from 4 to 12 carbon atoms, and M is a divalent metal.

2,472,519
KEY-OPERATED DIFFERENTIAL ACTUATOR
John Carlsen, Copenhagen, Denmark
Application November 15, 1945, Serial No. 628,698
In Denmark October 21, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 21, 1964
5 Claims. (Cl. 235—62)

1. In calculating machines of the kind comprising keys adapted to impart a step-wise rotary motion to number wheels associated therewith directly on their depression, a key unit comprising a number of flat key arms independently pivoted on a common axis perpendicular to the overall planes of the key arms and having their flat sides situated in close relationship, keys individual to said key arms and carries by the latter at different distances from the said common axis and representing different amounts, means for keeping each key arm in a normal position and for restoring it to such position after depression, means for limiting the angular movement of each



key arm when depressed to a value proportional to the amount represented by its associated key, a projecting member integral with each of said key arms other than that representing the lowest amount and engaging below the key representing the next lower amount, and means for operatively connecting the key arm representing the highest amount with the number wheel served by the unit.

2,472,520
SIFTER TOP
Allen B. Criss, Biloxi, Miss.
Application April 25, 1946, Serial No. 664,841
1 Claim. (Cl. 65—57)



A sifter top comprising a cap having a flat upper wall and sloping side walls leading to the upper wall, said upper wall having a plurality of spaced parallel slots, and an agitator comprising a plate formed from one rectangular sheet of material, said plate being slotted to provide a pair of spaced longitudinally aligned ribs at each of two relatively opposed edges of said plate, the mid-portions of said plate between said ribs being arcuated and overlapped one over the other to constitute a finger grip, portions of the remaining edges of said plate being notched and angulated to provide further ribs intermediately of said first mentioned ribs, said plate being slidably positioned on the outer surface of the upper wall, said ribs extending through said slots, and said first mentioned ribs being angulated and forming inturned retaining flanges frictionally engaging the inner surface of the upper wall.

2,472,521
PACKAGING
George M. Danenbauer, Chicago, Ill., assignor, by mesne assignments, to The Diamond Match Company, New York, N. Y., a corporation of Delaware
Application February 14, 1946, Serial No. 647,530
2 Claims. (Cl. 93—3)

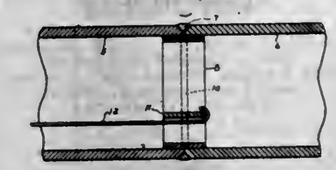


1. The method of folding and loading a package in the shape of a rectangular parallelepiped having a front, bottom, back, top, and two sides, comprising folding a blank into the shape of a tube having a rectangular cross section which may be opened along a line on the surface of the tube parallel to the axis of said tube, inserting a roll of sheet material having a core completely into said tube through one open end thereof, forming a portion of the ends on each side of said tube as a bearing for the core of said roll, and folding the ends of said tube across the core of said roll of said sheet material to form the sides of said package and engaging the bearings with each end of the core of said roll.

2,472,522
LEAK DETECTION
Taber de Forest, Chicago, Ill., assignor, by mesne assignments, to Joseph L. Switser and Robert C. Switser
No Drawing. Application August 5, 1943, Serial No. 497,541
6 Claims. (Cl. 250—71)

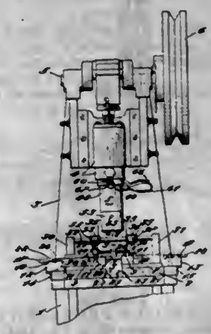
1. A method of detecting leaks in a closed vacuum system having walls transparent to visible light and fluorescigenous radiations comprising the steps of applying to the outer primary surface of a wall of the system a luminescent testing liquid which wets the material of the wall being tested, subsequently removing said testing liquid from said primary surface, and then inspecting the inner secondary surface of said wall of the system under fluorescigenous radiations in the substantial absence of visible light for the leaks revealed by visible light transmitted back through a transparent wall of the system by a portion of said testing liquid which penetrated through said wall and luminesces in response to fluorescigenous radiations transmitted through said transparent wall.

2,472,523
BACKING OR CHILL RING
John J. Dillon, Needham, and Michael Needle, Chelsea, Mass.
Application May 24, 1945, Serial No. 595,594
2 Claims. (Cl. 113—111)



1. A backing ring for interior engagement with adjacent end portions of pipe or like hollow sections of weldable stock when said sections are butted together for welding, and to be withdrawn through one of the sections by means engageable with the ring and extending through one of the sections, said ring comprising a strip of non-weldable yieldable stock the ends of which are tapered and overlapped, said strip being sufficiently stiff to remain in a seated position protruding from one section when the other section is butted thereagainst while yielding, when pulled, to permit it to be tipped with one overlapping end sliding relative to the other so that it may be withdrawn through the pipe after the sections have been welded together, and rigid means carried by said strip and so located as to arcuately brace said ring remote from its overlapped ends for engagement by said withdrawing means and so disposed that the ring is tipped when the withdrawing means are pulled.

2,472,524
MACHINE FOR OPERATING ON SOLE PARTS
Alfred F. Donovan, Boston, Mass., assignor to E. T. Wright & Co., Incorporated, Rockland, Mass., a corporation of Massachusetts
Application November 25, 1947, Serial No. 787,882
11 Claims. (Cl. 12—17)

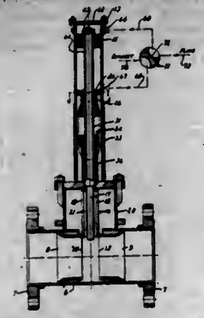


9. Apparatus for use in slotting the metatarsal pad of an insole preparatory to assembly of a shank stiffener therewith, said apparatus comprising a support for the central portion of right and left insoles, a holder and slotting die rotatable relative to each other and relatively movable toward and away from said support so as to form a slot in a metatarsal pad of an insole disposed on said support, means for rotating said slotting die so as to operate on right and left insoles, a link pivotally mounted at one end to move toward and away from said support, and an elongate positioning member having positioning fingers at its inner end engageable with the rear edge portion of said pad so as to position and maintain said insole and pad in a predetermined position relative to the path of travel of said die and having an upwardly curved tail portion at its outer end, and means for effecting a relative movement between said holder and support, the positioning member being rockably mounted adjacent its inner end to the free end of the link, whereby when the insole is withdrawn the positioning fingers are rocked to a position to release the pad and when a new insole is inserted the positioning fingers are rocked back into position to determine the location of the new insole and pad.

2,472,525
FLUID PRESSURE OPERATED VALVE
Samuel H. Edwards, Richmond, Calif.
Application June 27, 1945, Serial No. 601,778
9 Claims. (Cl. 137—139)

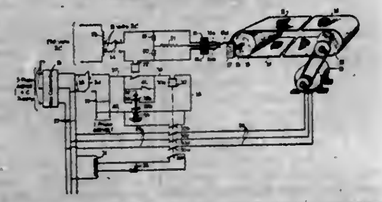
1. A valve of the character described comprising a valve body, a valve seat therein, a valve gate, a hollow valve stem supporting said gate, a seat engaging member movably mounted on said gate, a piston on said valve stem, said gate having a passage therein for fluid from said stem to move said member to engage said seat, a cylinder cooperatively positioned with respect to said piston, and in fluid communication with said valve stem on one side of said piston, a first port in said cylinder on one side of said piston, a second port in said cylinder on the other side of said

piston, said valve stem having an opening to said one side of said piston, and a fluid control valve



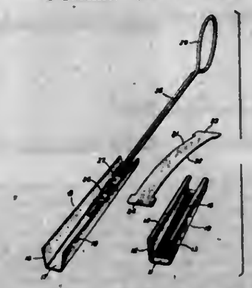
for controlling fluid communication between said valve stem and said cylinder.

2,472,526
UNDERSPEED MOTOR PROTECTIVE SYSTEM
Albert C. Frazee, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 26, 1945, Serial No. 574,780
2 Claims. (Cl. 318—461)



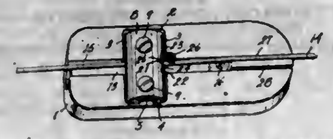
1. Protective apparatus for use in connection with a motor-driven conveyer belt, said apparatus comprising a source of direct-current voltage, two electrical condensers, an electrical relay having a winding and a contact adapted to be actuated from a dropped-out or open position to a picked-up or closed position and maintained therein only so long as the current energizing the winding exceeds a certain value, said condensers being connected in series relation with each other across said source of voltage with the winding of said relay interposed in series relation between the outer terminal of one of said condensers and one terminal of the source of voltage, a single-pole double-throw switch having two spaced stationary contacts and a movable contact shiftable alternately into engagement with the stationary contacts, a resistor having one end connected to the movable contact of said switch and the other end connected to the common terminal of connection between said two series-connected condensers, one of the stationary contacts of said switch being connected to the terminal of one condenser opposite said common terminal and the other of said stationary contacts of said switch being connected to the terminal of the other of said condensers opposite said common terminal, the arrangement being such that when the movable contact of said switch engages said one of the stationary contacts it establishes a circuit through which current flows from said source to charge the other of said condensers and also simultaneously establishes a local circuit including said resistor through which said one condenser is discharged, the movable contact of said switch being effective when it engages the said other of the stationary contacts to establish a circuit through which current flows to charge said one condenser and also simultaneously establishes a local circuit including said resistor through which said other condenser is discharged, rotary cam means associated with the movable contact of said switch and operative in accordance with the linear speed of travel of the conveyer belt to effect the operative engagement of the movable contact of said switch alternately with the two stationary contacts at a frequency corresponding to the linear speed of travel of the conveyer belt, thereby producing a pulsating uni-directional current that energizes the winding of said relay, the electrical characteristics of said condensers and said resistor being such that the condenser charging current energizing the winding of said relay is maintained above said certain value only so long as the conveyer belt travels at a speed exceeding a certain speed, with the result that the contact of said relay is restored to its dropped-out or open position when the condenser charging current energizing the winding of the relay reduces below said certain value consequent upon reduction of the conveyer belt to a speed of travel less than said certain speed, and electro-responsive control means controlled by the contact of said relay in such a manner as to interrupt the power supplied to the driving motor when said contact is restored to its dropped-out or open position.

2,472,527
DROP WIRE CLAMP
Chester S. Gordon, Boonton, William J. Lally, Madison, and Gustav H. Zieschang, Morristown, N. J.; said Gordon and said Lally assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York, and said Zieschang assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 22, 1947, Serial No. 749,824
2 Claims. (Cl. 24—136)



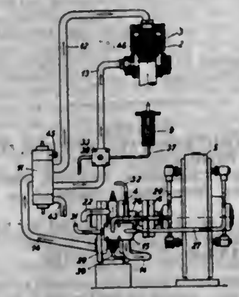
1. A clamp for supporting insulated electrical conductors comprising an elongated transversely U-shaped tapered body member having inturned flanges along the marginal edges of the sides thereof to form guides, an elongated transversely U-shaped tapered wedge member slidably positioned within said body member and having its marginal edges located in said guides, a wire loop secured to said member for supporting said clamp, a bowed flat metallic spring member, having its concave surface roughened, interposed between said wedge member and said body member, said bowed member having its convex surface in contact with said wedge member and adapted to be flattened out against the tension thereof when a conductor is clamped between said spring member and said body member.

2,472,528
LEATHER LACE SKIVER
Lawrence E. Grimes, Bristol, Ind.
Application June 28, 1948, Serial No. 35,662
12 Claims. (Cl. 69—20)



1. A leather lace skiver comprising a base member having an elongated recess in the upper surface thereof, a lace supporting spring fixedly mounted in said recess, an adjusting screw threaded into said base member for vertically adjusting said spring against the resiliency thereof, a resilient cutting blade having a cutting edge disposed transversely of said groove above said lace supporting spring, said cutting blade being of flat relatively thin resilient flexible metal, and means on said base member for flexing the cutting edge portion of the blade downwardly and holding said edge portion in a downwardly flexed position during the lace skiving operation, said means including an upwardly curved portion on the base member for supportingly engaging the lower surface of the blade, a guard plate having a lower curved wall engaging the upper surface of the blade, and adjusting screws threaded into the base member and extending through the guard plate and blade for adjusting the guard plate toward said upwardly curved portion, against the resiliency of said blade.

2,472,529
HYDRAULIC PUMP
Poul Haahr, Copenhagen, Denmark
Application May 21, 1947, Serial No. 749,434
In Denmark February 9, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 9, 1966
6 Claims. (Cl. 103—11)



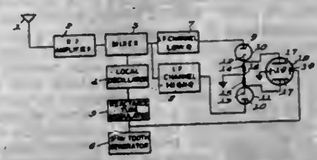
1. An arrangement of the kind referred to comprising a low-pressure pump and a high-pressure pump; means for feeding the high-pressure pump from the low-pressure pump; an automatic spring-loaded valve for discharging the excess fluid from the low-pressure pump when operating as feeding pump for the high-pressure pump; supplementary means for operating said valve under the influence of the pressure at the delivery side of said high-pressure pump; and an abutment determining the maximum lift of said valve.

2,472,530
PIPE COUPLING TOOL
Alma J. Harrison, Philadelphia, Pa., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 23, 1947, Serial No. 793,426
10 Claims. (Cl. 285—1)



1. A coupling for pipe sections and the like, comprising a splined mandrel having a diameter less than the bore of the pipe sections which are to be coupled, a plurality of jaws axially movable in the splines of said mandrel, a set of jaws positioned in opposite ends of each spline, opposite external threads at the inner extremities of each jaw, teeth at the outer external extremities of each jaw, a collar mounted on the mandrel and having an outside diameter substantially equal to that of the pipe section to be coupled, and internal opposite threads in the collar adapted to enclose the mandrel and engage the threads on the jaws whereby the jaws are moved axially in the splines when the collar is rotated with respect to the mandrel.

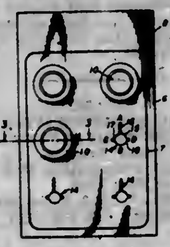
2,472,531
PANORAMIC RECEIVER WITH PULSE NARROWING SYSTEMS
Joseph I. Heller, New York, N. Y., assignor to Panoramic Radio Corporation, New York, N. Y., a corporation of New York
Application May 7, 1946, Serial No. 667,847
3 Claims. (Cl. 250—20)



1. In a panoramic receiving system for analyzing signals occupying a first predetermined frequency spectrum, means for converting said signals to further signals occupying a second predetermined frequency spectrum, said last named means comprising a local oscillator for generating a hetrodyning frequency, means for periodically varying said heterodyning frequency, a first narrow band intermediate frequency tuned channel coupled with said means for converting said signals to translate succeeding selected portions of said second predetermined frequency spectrum in time sequence during periodic variation of said heterodyning frequency, said first intermediate frequency channel having a predetermined high ratio of peak response to response at high energy points of the selectivity characteristic thereof, means comprising a further tuned intermediate frequency channel coupled with said means for

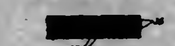
converting said signals to translate selected portions of said second predetermined frequency spectrum in time sequence during periodic variation of said heterodyning frequency, said further intermediate frequency channel having a predetermined low ratio of peak response to response at half energy points of the selectivity characteristics thereof, said first and further intermediate frequency channels being tuned to the same center frequency, and having substantially identical responses at a plurality of points below said first mentioned half energy points, means for separately detecting signals translated by said first and further intermediate frequency channels, means for differentially combining the outputs of said means for separately detecting, a cathode ray tube indicator having a cathode ray beam and means for deflecting said cathode ray beam in a first and a second coordinate direction, means for controlling said means for deflecting to deflect said cathode ray beam in said first coordinate direction in synchronism with variations of said heterodyning frequency and means responsive to said means for differentially combining for controlling said means for deflecting to deflect said cathode ray beam in said second coordinate direction.

2,472,532
BUTTON CARD
Jacob J. Heilman, Atlanta, Ga.
Application April 15, 1947, Serial No. 742,309
6 Claims. (Cl. 206—79)



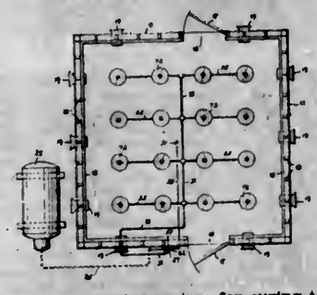
2. In a structure of the class described, a button mounting and displaying card provided with a keyhole-shaped slot, a button, a ring carried by said button, said ring being insertible and removable by way of said slot, whereby to permit the ring to function as a retainer when disposed on the reverse side of the card, permitting the button to be displayed from the obverse side of the card, the total length of the keyhole-shaped slot being approximately equal to the outside diameter of the ring, the enlarged end portion of the slot having communicating short keeper notches, said keeper notches being on diametrically opposite sides of said enlarged end portion.

2,472,533
MICA BASE HEATING SHEET
Moses D. Heyman, Woodmere, N. Y.
Application December 6, 1945, Serial No. 633,113
3 Claims. (Cl. 201—63)



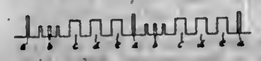
1. A fabricated laminated mica sheet comprising extremely thin laminae having virgin surfaces, said laminae being arranged in random fashion whereby their surfaces are in contiguous relation and enabling the natural cohesive forces resident in the laminae to become effective, and whereby the laminated sheet differs from a natural mica sheet in that the laminae are relatively smaller and frequently lie in more than one plane with spaces formed between the contiguous edges of the laminae, and electrically conducting particles occupying said spaces.

2,472,534
TOBACCO CURING APPARATUS
Gilder S. Horne, Charlotte, N. C.
Application August 12, 1946, Serial No. 689,869
5 Claims. (Cl. 262—40)



5. A tobacco curing system for curing tobacco hung in a barn comprising a plurality of gas burners disposed within the barn a substantial distance from the walls of the barn, a source of gas disposed on the exterior of the barn and a piped connection between the source of gas and the burners, said piped connection comprising a main pipe disposed substantially centrally of the barn, and each burner having a branch pipe connected to the burner and to the main pipe, means associated with each of the burners for regulating the flow of gas thereto, a control valve in the piped connection, temperature controlled means disposed within the barn and connected to said control valve for controlling the size of the opening in the control valve for regulating the flow of gas to the burners in accordance with the temperature within the barn, and a perforated cage member disposed on the floor of the barn and completely enclosing said burners to shield them against a falling tobacco leaf lodging thereon, each of said cage members having a pan in the top portion thereof into which water is adapted to be placed to be evaporated by the heat from the burners.

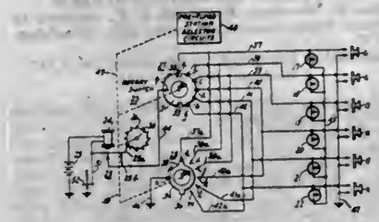
2,472,535
ELECTRIC REMOTE-CONTROL OR INDICATING SYSTEM
William Jones, Cambridge, England, assignor to Pye Limited, Cambridge, England, a British company
Application August 15, 1944, Serial No. 549,535
In Great Britain April 29, 1943
11 Claims. (Cl. 343—118)



1. In an electric remote control system for reproducing motion at a distance, the combination of a moving device capable of movement in opposite directions and at variable speed, and means for producing two series of pulse signals of the same sign with the pulses of the two series differentially modulated in response to the direction and the speed of the movement of said device, for transmission to a remote station to control apparatus thereat for reproducing the movement of said device.

6. In combination, a rotatable directional radio aerial, a station remote from said aerial, means associated with said aerial for producing pulse control signals differentially modulated in response to both the direction and the speed of rotation of said aerial, for transmission to said remote station, a cathode ray tube at said remote station, and means at said remote station responsive to said pulses for producing in said tube a rotating electro-magnetic field duplicating the rotation of said aerial.

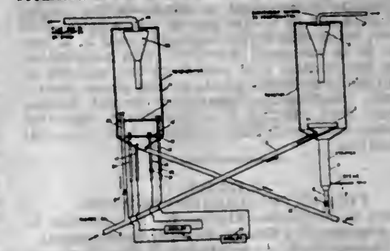
2,472,536
TUNING INDICATOR SYSTEM
Otto C. Keil, Jr., Quakertown, and Jesse Hewitt Lofton, Havertown, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 25, 1947, Serial No. 788,052
4 Claims. (Cl. 177—353)



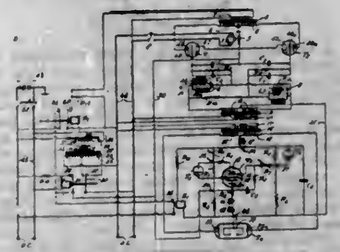
4. In a radio receiver; a plurality of pushbuttons, each of said pushbuttons being identified with a different station; individual indicator lamps associated with said pushbuttons; station selector mechanism operative in response to the actuation of a pushbutton for tuning automatically said receiver to a selected station; means operative upon said actuation of said pushbutton for connecting a low resistance path in shunt with said indicator lamps to maintain said indicator lamps extinguished during operation of said selector mechanism; and means automatically operative when the selection of the station has been effected, for opening said shunt path and for connecting the individual indicator lamp identified with the station selected in series with the other of said lamps, said other lamps being connected in shunt with each other, thus to illuminate the indicator lamp identified with the station selected while maintaining said other lamps in extinguished condition.

2,472,537
HYDROCARBON CONVERSION WITH FLUIDIZED CATALYST
Thomas Bisbee Kimball, Greenwich, Conn., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application April 10, 1947, Serial No. 742,605
4 Claims. (Cl. 196—52)

1. In the fluid catalyst process for the conversion of hydrocarbons wherein a finely divided catalyst at an elevated temperature is repeatedly brought into intimate contact with hydrocarbon vapors to be converted in a conversion chamber, spent catalyst is withdrawn from the conversion zone, stripped of readily vaporizable hydrocarbons, the stripped catalyst conveyed in fluid suspension to a regenerating chamber in which the catalyst in a dense phase fluidized body is regenerated by the burning off of carbon deposits formed thereon during the conversion by the passage of an oxidizing gas in contact therewith and from which catalyst is withdrawn and returned to the conversion chamber, the improvement in the regeneration of the catalyst which comprises passing the spent catalyst in suspension in the oxidizing gas into the lowermost zone of a regenerating chamber comprising at least three zones delineated by vertically spaced, horizontally positioned, perforated partitions, withdrawing catalyst from each zone except the lowermost zone, cooling the withdrawn catalyst and returning it to the respective zones of the regenerating chamber just below that from which it was withdrawn and withdrawing catalyst for return to the conversion chamber from the uppermost zone of the regenerating chamber.



2,472,538
ALTERNATOR CONTROL SYSTEM
Otto Krauer, Yonkers, and Arthur W. Forsberg, Kew Gardens, N. Y., assignors, by mesne assignments, to Gaveco Laboratories, Inc., New York, N. Y., a corporation of New York
Application March 5, 1946, Serial No. 653,077
11 Claims. (Cl. 222—28)



1. In a system for automatically regulating the output line voltage of an A. C. generator having a D. C. field winding, a first rectifier energized by said line voltage, a bridge circuit comprising four impedance arms at least one of which is resistive, a voltage regulating device connected in said one arm to maintain the voltage drop across the resistance in that arm substantially constant, a rectifier circuit including a gas-filled rectifier tube having a cathode, an anode and a control grid, means coupling said circuit to said A. C. line

whereby to energize said field winding with rectified voltage from said line, connections between said first rectifier and one pair of conjugate points of said bridge whereby the rectified voltage therefrom is impressed across said conjugate points, a saturable-core reactor having an A. C. winding and a D. C. winding, said D. C. winding being connected to said bridge so that current flows through said D. C. winding in response to a difference of potential developed across the other pair of conjugate points of said bridge, means for polarizing the effect of said difference of potential, a phase-control circuit including the A. C. winding of said reactor, said circuit being effectively coupled to said A. C. line so as to be energized therefrom, and connections from the control grid and from the cathode of said tube to different points in said phase control circuit, whereby the energizing current flowing in said field winding is automatically regulated in accordance with fluctuations in A. C. potential in said line.

2,472,539
FIRE EXTINGUISHING POWDER
Robert C. McGlenn, Elmira, N. Y., assignor to American-La France-Foamite Corporation, Elmira, N. Y., a corporation of New York
No Drawing. Application May 18, 1946, Serial No. 670,845
2 Claims. (Cl. 252—7)

1. A fire extinguishing powder consisting essentially of a mixture of finely divided sodium bicarbonate and silica aerogel, both compounds having a particle size of about 200 mesh, the proportion of silica aerogel being about .5% to 1.5% by weight of the sodium bicarbonate.

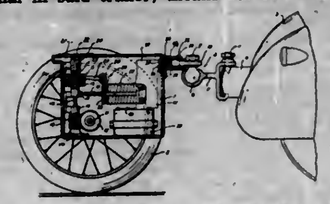
2,472,540
PISTON RING
Jim C. Meador, Shreveport, La.
Application March 14, 1945, Serial No. 582,656
5 Claims. (Cl. 309—44)



1. A metallic piston ring having a stepped upper portion at its outer surface to reduce the thickness of the ring at its upper portion, transversely extending recesses in the reduced portion of the ring, and a filler of resilient material positioned in said recesses and covering the outer surfaces of the reduced portion of the ring flush with the outer surface of the lower portion thereof, said resilient material being responsive to pressure within a cylinder within which the ring is working to expand the resilient material against the wall of the cylinder.

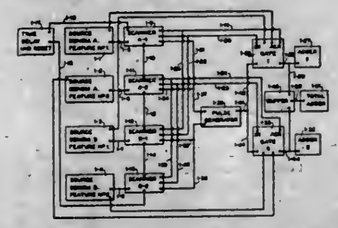
2,472,541
BRAKE TESTING DEVICE
Arthur N. Milster, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application December 16, 1944, Serial No. 568,532
6 Claims. (Cl. 73—128)

3. In a brake testing device, a wheel supported trailer; means for connecting said trailer to a towing vehicle which includes a tubular member secured to said trailer and a part securable to said towing vehicle longitudinally movable in said tubular member when said trailer moves relative to said towing vehicle along the line of trailer travel in response to vehicle deceleration; a dial in said trailer; means for rotating said



dial from the supporting wheel on said trailer; an electromagnetic clutch in said means; an electrical circuit for said electromagnetic clutch; and a switch in said electrical circuit operable by relative longitudinal movement of the parts of said connecting means for controlling the operation of said clutch.

2,472,542
ELECTRONIC TOTALIZING SYSTEM
Nathan A. Moerman, Brooklyn, N. Y., assignor to Potter Instrument Company, Inc., Flushing, N. Y.
Application January 29, 1948, Serial No. 5,112
7 Claims. (Cl. 235—61)

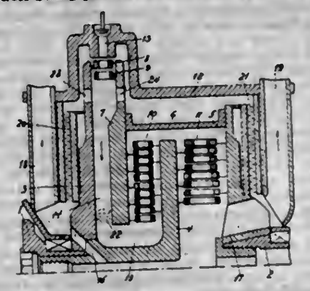


1. In a totalizing device, the combination of, a plurality of sources of multiple denomination items to be totalized, a scanner for detecting items in each of said sources, a pulse generator for generating pulses to represent each of said denominations, couplings between said scanners and said pulse generator to initiate pulses when said scanners detect items in said sources, a plurality of adders, a gate to apply said pulses to predetermined adders, and couplings between said sources and said gate to actuate said gate.

2,472,543
RADIAL-FLOW TURBINE OF DOUBLE ROTATION TYPE
Ragnar Olov Jacob Möller, Finspong, Sweden
Application December 10, 1943, Serial No. 513,743
In Germany December 11, 1942
1 Claim. (Cl. 253—16.5)

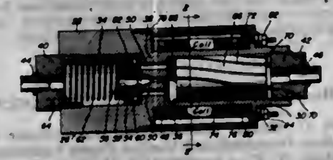
A turbine unit comprising a double rotation radial flow turbine having two shafts for opposite rotation, two groups of axially spaced radial discs alternately arranged with relation to each other so that at least one disc of each group forms a baffle between two discs of the other group, the discs of one group all being supported at their inner peripheries by one shaft, while only

one disc of the other group is directly supported at its inner periphery by the other shaft, a cylindrical member for connecting an outer point of another disc of said other group to said directly supported disc, so that the discs and said cylindrical member form a convolute passage comprising a set of radially extending channels between the discs for traverse successively by elastic driving fluid, turbine blades in said channels supported alternately by one and the other of the respective discs, the blades in the first radial channel in order of fluid flow which is adapted to be traversed by the driving fluid from outside inwardly being a set of impulse turbine blades located at the outer end portion of said first channel, the subsequently traversed radial channels each being provided with a group of reaction



turbine blades mounted on the respective discs, the first of said groups of reaction blades being arranged to be traversed by fluid passing outwardly and the last group by fluid passing inwardly, so that the driving fluid is delivered from the blade system in proximity to the turbine axis, a stationary casing enclosing said discs and blades, labyrinth packings sealing said discs and blades in said casing, the discs carrying the impulse blades being of a larger diameter than the remaining discs, the projecting portions of said larger discs being exposed to passages leading to the outer periphery of said packings and being formed with ports for allowing fluid that has passed the impulse blade system to reach the outer ends of the labyrinth packings for balancing purposes.

2,472,544
ELECTROMAGNETIC HILL HOLDER FOR VEHICLES
Henry Nissen, Hartford, Conn., assignor to Alfred Minukas, Hartford, Conn.
Application January 21, 1946, Serial No. 642,483
11 Claims. (Cl. 137—139)



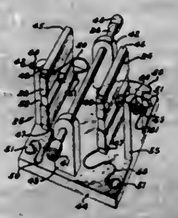
1. An electromagnetic valve assembly comprising a valve casing including a chamber therein, a partition disposed in said chamber, a solenoid coil surrounding said chamber and a solenoid plunger snugly fitted and slidable therein, a fluid passage through said partition and a valve on said plunger controlling said passage, additional passages in said partition, and fluid passages in said plunger.

2,472,545
APPARATUS FOR TESTING VOLTAGE REGULATORS
Leslie Reginald Nixon, New Eltham, London, England, assignor to J. Stone & Company Limited, Deptford, England, a British joint-stock company
Application November 24, 1944, Serial No. 565,036
In Great Britain March 12, 1944
4 Claims. (Cl. 73—1)



1. In a testing device for electric regulators of the carbon pile type wherein compression of the pile is effected by a magnet operating against a main spring; a casing, a spring-loaded plunger enclosed in said casing, a frame for the regulator having a fixed slideway in which said casing is guidingly mounted and depressible therein for bringing said plunger into resilient engagement with a movable part of the regulator in opposition to said main spring, and stop means limiting the depression of said casing and the ultimate spring load on said plunger.

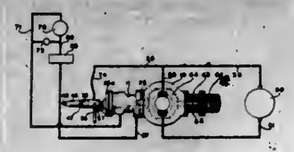
2,472,546
ADJUSTABLE CURRENT TRANSFORMER
Richard C. Pomeroy, Westchester, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 6, 1947, Serial No. 753,141
6 Claims. (Cl. 171—777)



6. An electrical transformer comprising a base member of insulating material, spaced parallel supports of insulating material extending from said base at the ends thereof, a tubular primary element supported by said supports and extending across said base in spaced relation thereto, another support member of insulating material extending substantially parallel to said first mentioned support members and mounted on said base at a side thereof, a coil supporting element movably mounted on said other support member, a substantially rectangular coil carried by said coil supporting element with its longest sides extending substantially parallel with the primary

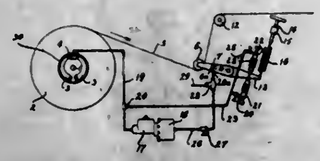
element and one of said sides being closer to said primary than the other, and means for rotating said coil around an axis passing through and substantially normal to the long sides of said coil.

2,472,547
SERVOMOTOR MECHANISM
Howard M. Purcell, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application February 15, 1946, Serial No. 647,786
4 Claims. (Cl. 121—41)



1. In a servomotor, a casing, a double acting ram in said casing, a valve in said ram for controlling the supply of fluid to and from opposite ends of said casing, a rod on said valve having a piston, a cylinder on said rod surrounding said piston, resilient means in said cylinder urging said piston toward one end thereof, means to admit pressure to said one end of said cylinder to urge said piston toward the other end thereof, and mechanism linked to said cylinder for normally actuating said cylinder, rod and valve as a unit and for holding said cylinder stationary when said piston is actuated by pressure whereby said valve may be shifted independently of said mechanism and cylinder.

2,472,548
AUTOMATIC TENSIONING DEVICE FOR REELS
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application February 24, 1945, Serial No. 579,539
4 Claims. (Cl. 242—75)



1. In an unreeling device; a reel for web material; a brake for said reel; a pressure fluid motor for actuating said brake; a compensator for supplying pressure fluid for actuating said pressure fluid motor; means for actuating said compensator; a source of power for said means; an idler mechanism for said reel which includes a pivoted frame having a roller therein about which said web material passes; a spring connected to said idler mechanism for tensioning said web material; a pair of shock absorbers operatively associated with said idler mechanism for preventing excessive movements in said idler mechanism; means operated by said idler mechanism for controlling said source of power for said means; and means for establishing communication between said compensator, said shock absorbers and said pressure fluid motor.

2,472,549
BED TRAY
John J. Schuhe, Chicago, Ill., assignor of one-half to S. W. Johns, Chicago, Ill.
Application August 23, 1946, Serial No. 692,644
2 Claims. (Cl. 287—12)



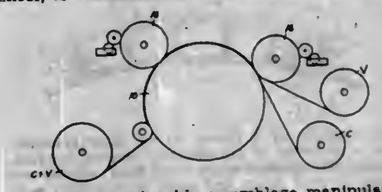
1. A rotatable joint for two spaced members, said joint including a sphere, means connecting said sphere to one of said members, said sphere having three projections spaced at right angles in a common plane through the center thereof, one of said projections being opposite said means, and means connecting said sphere to the other of said members, said means including a pair of spaced parallel plates having circular openings to engage said sphere, the opening of one of said plates having an extension to the end thereof capable of accommodating said first means, and the other of said openings having an extension to accommodate said one projection and located oppositely to the opening of said one plate, thus rotatably to support said members about one axis and to permit rotating of said members about an axis transverse to said first axis when said members have a predetermined angular relation about said first axis.

2,472,550
MANUFACTURE OF ORGANIC NITRO COMPOUNDS
Arthur Ernest Wilder Smith, Charles William Scaife, and Harold Baldock, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 18, 1945, Serial No. 594,602. In Great Britain April 3, 1944
3 Claims. (Cl. 260—644)

1. A process for the production of dinitro paraffins which comprises introducing at least one aliphatic mono-olefine having 3 to 6 carbon atoms into a solution of nitrogen tetroxide in an organic, saturated, non-benzenoid solvent compound containing carbon, hydrogen and oxygen only, all oxygen in said solvent being present in an ether group, and all ring systems present in said solvent compound having at least 5 members, said nitrogen tetroxide being in molar excess of said mono-olefine and being free from nitric acid and from nitric oxide; removing the solvent and any remaining nitrogen oxides by distillation at reduced pressure; treating the reaction product with water; removing the aqueous layer; and recovering dinitro paraffin from the non-aqueous residue by fractional distillation.

2,472,551
METHOD FOR PRODUCING SURFACE DECORATED PLASTIC SHEETS
Robert L. Smith, Amherst, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts
Application May 10, 1946, Serial No. 668,781
4 Claims. (Cl. 18—47.5)

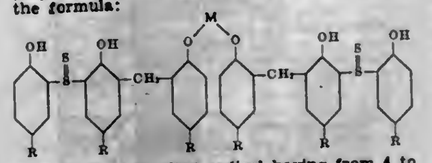
1. The method of preparing a surface decorated, unitary, self-sustaining sheet of a flexible, readily extensible, resilient plastic which comprises forming from plastic batch material a solidified plastic sheet on an inextensible carrier sheet coextensive with said plastic sheet, said plastic sheet being in direct superficial contact with the surface of the carrier sheet, said surface being smooth and unfavorable to the formation of an interlocking bond with the plastic sheet, to which surface the plastic sheet coheres



to provide a fissionable assemblage manipulable as a unit, processing as a unit the two coherent sheets by securing decorative material to the exposed surface of the plastic sheet while maintained against distortion of area by the thereto cohering carrier sheet, and thereafter stripping from the carrier sheet the decorated plastic sheet as a self-sustaining unit.

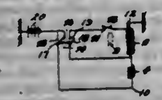
2,472,552
ADDITION AGENTS FOR MINERAL OIL LUBRICANTS
Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., and John G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 12, 1947, Serial No. 754,269
21 Claims. (Cl. 252—42.7)

11. A lubricant composition comprising a major amount of a mineral lubricating oil and a minor amount, sufficient to confer detergent properties on the composition, of a salt having the formula:



wherein R is an alkyl radical having from 4 to 12 carbon atoms, and M is a divalent metal.

2,472,553
ELECTROMAGNET
François Jean Marie Theunissen, Brussels, Belgium, assignor to Societe Anonyme Teco, Bois-de-Breux (Liege), Belgium
Application April 5, 1946, Serial No. 659,691
In Belgium March 11, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires March 11, 1960
1 Claim. (Cl. 175—335)



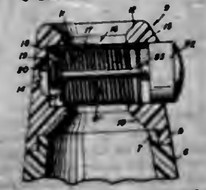
An electro-magnet including a movable armature, a main winding capable of attracting said armature when individually energized, an auxiliary winding connected in series with the main winding, the combined action of both windings, when energized in series, being only capable of maintaining the armature in its actuated position, a switch movable between two positions in each of which it connects the main winding to a source of current, a short-circuiting circuit for the auxiliary winding, a first breaker therein which is normally closed, means for opening said breaker by the aid of the armature towards the end of its attraction stroke, a second breaker in said short-circuiting circuit, this second breaker being normally open when the said switch is in the position corresponding to the non-attraction of the armature, and means for closing said second breaker when the said switch is shifted to its other position.

2,472,554
EXPANSIBLE REAMER
Harry G. Vells, Detroit, Mich.
Application March 26, 1946, Serial No. 655,867
2 Claims. (Cl. 77—76)



1. A reamer of the kind described, comprising a hollow cylinder and a shank axially extending therefrom, the cylinder having a plurality of radially disposed slots in its wall and extending parallel to the axis of the cylinder, a closure for the opposite end of the cylinder, a shaft axially disposed therein, said shaft being journalled in the end closure and being partly threaded into a bore in the shank end of the cylinder, a cone axially mounted on the shaft, a plurality of radially disposed blades, having outer edges serrated for cutting and having inner edges in a sliding abutment with the sides of the cone, a coiled spring transversely located within the body of each blade, the outer ends of the spring bearing against the inner surface of the cylinder to hold the blade in said abutment, and means to rotate the shaft to propel the cone axially, to cause the cone to force the blades outwardly against the tension of said springs.

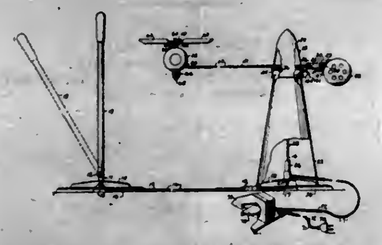
2,472,555
CONTAINER CAP AND VALVE THEREFOR
Joseph G. Ward, Staten Island, N. Y.
Application February 24, 1948, Serial No. 10,375
3 Claims. (Cl. 65—45)



3. A shaker for salt, sugar, and the like comprising a container having a cap provided with an axially disposed discharge passage and sockets, aligned with each other and at right angles to and on diametrically opposite sides of said passage, a tightly wound helical spring spanning and normally closing said discharge passage, said spring being at right angles to said passage and the endmost coils of said spring being mount-

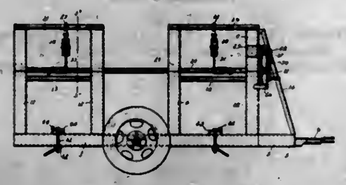
ed for controllable operation in said sockets, and manually actuatable operating means for said spring, said means being accessibly located on said cap at a convenient place for ready use, and embodying a plunger connected at one end to said spring and having a thumb button slidable in one of said sockets for pressing said plunger and opening and closing said spring.

2,472,556
ROTARY HELICOPTER AND SUPPORT
William L. West, Belmont, N. C.
Application May 12, 1947, Serial No. 747,463
5 Claims. (Cl. 46—75)



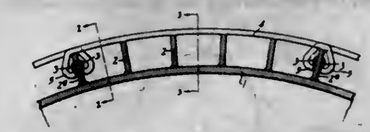
5. In a roundabout comprising a vertically movable support, a pipe mounted intermediate its ends on the upper end of said support, a motor mounted on one end of the pipe, a toy helicopter having a rotor mounted on the other end of said pipe, a driving shaft disposed within said pipe and connected to said motor and to said rotor, remotely mounted means for tilting the support for the pipe to vary the angle of attack of the rotor of the helicopter to thereby cause it to fly either forward or backward.

2,472,557
VEHICLE FOR TRANSPORTING TANKS
Alton G. Wills, Robstown, Tex.
Application November 5, 1946, Serial No. 707,839
3 Claims. (Cl. 214—75)



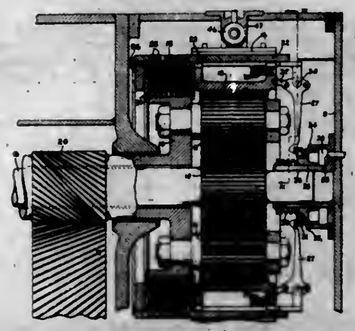
1. A tank transporting vehicle comprising a chassis having a pair of supporting wheels, parallel rails supported at their mid point on said wheels and connected at their forward ends, pairs of spaced arches symmetrically mounted on the front and rear portions of the rails, said pairs being spaced from each other to provide an unobstructed opening over said wheels, members connecting the tops of the respective pairs of arches, clevises longitudinally adjustable on said members, pulley blocks carried by the clevises, separate hoisting cables passing therethrough, and a shaft for winding said cables and means for rotating it.

2,472,558
ROTARY DRUM FILTER
Orville B. Ackerly, Jr., Piedmont, Calif., assignor to Oliver United Filters Incorporated, Oakland, Calif., a corporation of Nevada
Application December 27, 1945, Serial No. 637,345
6 Claims. (Cl. 210—202)



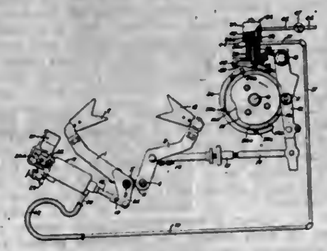
1. A drum of a rotary drum filter comprising: a plurality of peripherally spaced, longitudinally extending division strip bars secured and sealed to said drum and each provided on each of its sides with a longitudinally extending shoulder; and a plurality of rods overlying each successive pair of division strip bars transversely thereof, each end of each of said rods terminating in a downwardly and inwardly extending hook and each of said hooks being detachably secured under one of said shoulders.

2,472,559
PLANETARY GEARING
Edwin E. Arnold, Pittsburgh, and John S. Newton, Lansdowne, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 24, 1946, Serial No. 685,840
7 Claims. (Cl. 74—291)



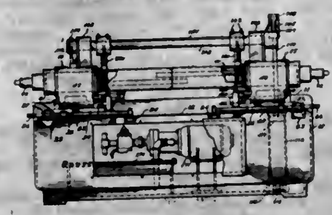
1. In planetary gearing, a sun gear, an orbit gear, planet pinions meshing with the sun and orbit gears, a carrier for the planet pinions, a brake drum encompassing the orbit gear, said orbit gear being capable of axial movement, a slidable coupling between the drum and the orbit gear, a clutch for connecting the carrier and the brake drum and operated by relative axial movement of the orbit gear, pressure-responsive operating means for moving the orbit gear and the drum relatively in one direction to connect the clutch, a spring for moving the orbit gear and the drum relatively in the other direction for disconnecting the clutch, braking means for the brake drum, pressure-responsive operating means for engaging the braking means with the drum, and means for applying fluid under pressure to either of said operating means and for releasing such pressure from the other operating means.

2,472,560
GLASS FEEDER SHEAR MECHANISM ACTUATING MEANS
Charles R. Avery, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application November 20, 1946, Serial No. 710,967
9 Claims. (Cl. 49—14)



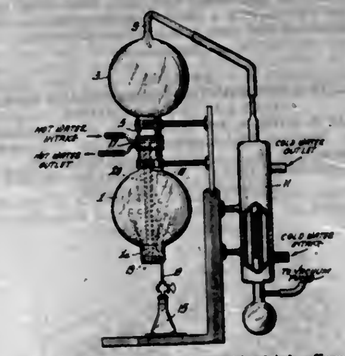
1. In combination with a shear mechanism for a glass feeder, actuating means for operating said shear mechanism comprising a fluid pressure cylinder, a reciprocable piston operatively disposed therein, means to feed pressurized fluid to one side of said piston at predetermined times and to release fluid therefrom at other predetermined times, regulable means to gradually admit fluid to the other side of said piston, normally closed valve means operatively connected to said cylinder and constructed and arranged to open under a predetermined fluid pressure within the cylinder at said second named side of the piston to exhaust fluid therefrom, and means to operatively connect said piston to said shear mechanism.

2,472,561
METALWORKING MACHINE
Arthur J. Barrie and Raymond J. Dwyer, Toledo, Ohio, assignors to Acorn Designing Co., Toledo, Ohio, a corporation of Ohio
Application March 28, 1945, Serial No. 585,224
15 Claims. (Cl. 153—73)



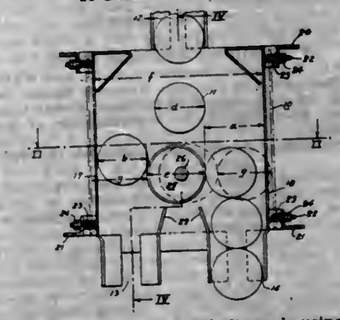
1. In combination, a frame; a work supporting mandrel mounted upon said support; an annular member surrounding said mandrel and adapted to engage and position the work upon the mandrel; a stripper ring surrounding said annular member; said annular member and stripper ring being formed with interengaging projections whereby the annular member is adapted for slidable movement within said stripper ring upon longitudinal movement of said mandrel; said stripper ring being arranged to engage and strip the work from the mandrel during retractive movement of said mandrel.

2,472,562
ART OF DEHYDRATING EFFERVESCENT LIQUIDS
Rudolph A. Bierwirth, Kingston, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1944, Serial No. 547,497
4 Claims. (Cl. 159—47)



1. Method of treating a liquid which effervesces when subjected to heat, said method comprising applying heat to said liquid to cause it to effervesce, establishing a flow of heat to and from a zone above the level of said liquid, causing the emanations of said effervescing liquid to enter said zone and to abstract heat therefrom, and then varying a subsequent quantity of heat applied to said liquid as determined solely by the difference between the temperature of the flow of heat to said zone and the temperature of the flow of heat from said zone whereby to regulate the intensity of effervescence of said liquid.

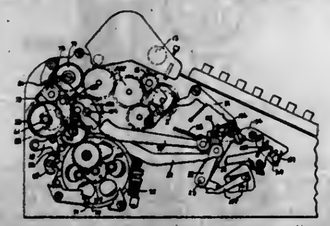
2,472,563
CAN LINE DIVIDER
Eli Bourland, Millbrae Highlands, Calif., assignor to Pacific Can Company, San Francisco, Calif., a corporation of Nevada
Application December 9, 1946, Serial No. 714,993
10 Claims. (Cl. 193—31)



4. A can line divider, including a housing having an inlet adapted to receive cans, a plurality of outlets in its bottom for said cans, and resiliently mounted side plates adjacent the outside edges of said outlets, a shaft mounted in said

housing substantially parallel with its bottom and parallel with said side plates and above and between said outlets, means for rotating said shaft, and a cylinder mounted off center on said shaft and of such a diameter that as it rotates its positions of maximum clearance from said side plates will provide a space more than equal to the diameter of the cans passing therethrough, and its positions of minimum clearance from said side plates will provide a space less than equal to the diameter of the cans passing therethrough.

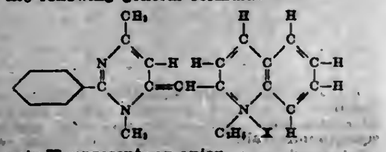
2,472,564
ACTUATOR CONTROLLING MEANS FOR CALCULATING MACHINES
Edwin F. Britten, Jr., Short Hills, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application July 13, 1945, Serial No. 604,853
4 Claims. (Cl. 192—.02)



1. In a calculating machine having electric circuit means provided with a switch, a motor in said circuit, differential actuators, a normally idle transmission means between the motor and the actuators including elements engageable to effect the drive, a motor key, and actuator stopping means; a cyclic auxiliary clutch driven from the motor, means driven by the auxiliary clutch under control of the motor key to engage the transmission elements, means for disengaging the auxiliary clutch in midcycle position thereof, means driven by the auxiliary clutch under control of the actuator stopping means to reengage the auxiliary clutch and thereby disengage the transmission elements, and devices including a notched disk operable by the auxiliary clutch to hold the switch closed when said clutch is out of its full cycle position.

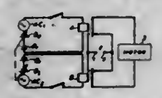
2,472,565
PYRIMIDO-2'-CYANINE DYES
Leslie G. S. Brooker, Rochester, N. Y., and Walter F. Holcomb and Clarence Kenneth Banks, Detroit, Mich., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 10, 1946, Serial No. 696,028
3 Claims. (Cl. 260—240)

1. New compounds, prepared for use as therapeutics, consisting of the compounds represented by the following general formula:



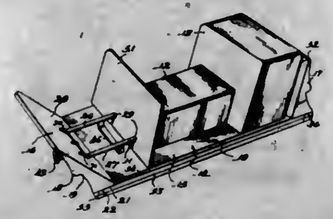
wherein X represents an anion.

2,472,566
MOTOR CONTROL CIRCUIT
John T. L. Brown, Short Hills, and Charles E. Pellard, Jr., Hoboken, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 16, 1945, Serial No. 594,048
15 Claims. (Cl. 318—207)



1. In an amplifier circuit, two relays, means for applying a current of varying amplitude to the windings of said relays whereby said relays are caused to periodically operate in alternation in accordance with the periodicity of said current, an input circuit for applying a variable control current to the windings of said relays, a source of power, a load device, and means controlled by said relays for applying power from said source to said load device, the energization of the windings of said relays by said control current being effective to control the relationship between the operated periods of said relays whereby the direction of the impulses transmitted from said source to said load device is made dependent upon the direction of the control current and the duration of each impulse is made dependent upon the magnitude of the control current.

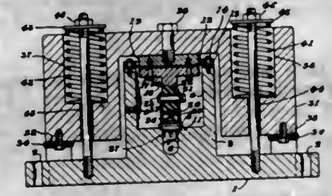
2,472,567
CARD FILING EQUIPMENT
George C. Bruen, Chicago, Ill., assignor, by direct and mesne assignments, of seventy and five-tenths per cent to Sophie E. Bruen, Chicago, Ill., five per cent to Edna V. Dickinson, Highland Park, Ill., nine per cent to Sarah M. Bullock, Wilmette, Ill., ten and five-tenths per cent to G. A. Stuart, Washington, D. C., two per cent to Jay Fisher, Chicago, Ill., one per cent to Marie Thoenen, Elmwood Park, Ill., one per cent to George H. Frederickson, Chicago, Ill., and one per cent to E. M. Thorsen, St. Joseph, Mo.
Application August 4, 1945, Serial No. 608,911
6 Claims. (Cl. 129—16)



1. A card filing tray comprising a base having a stable supporting surface, said base being provided at each of its ends with an upwardly extending wall member, a card supporting and securing unit removably mounted on said base, said unit including a rod extending longitudinally of and substantially parallel to said base and spaced therefrom, whereby a multiplicity of cards provided with apertures for receiving said rod may be slidably supported upon said rod in position to be opened at any convenient point for reference, the stacks of cards on either side of

the opening resting against said end walls, said supporting and securing unit having its rod formed to substantially U shape with side legs and a yoke portion removably fitting into a slot type recess in one of said walls, said recess opening longitudinally of the base, the ends of said U-shaped rod remote from the yoke portion engaging in recesses opening upwardly and longitudinally of the base at a distance therefrom in the other of said walls, a lateral brace extending between said side legs and having upwardly extending end flanges secured to the side legs near the ends thereof, said lateral brace providing support for the legs at substantially the level of the latter mentioned recesses, and the latter mentioned wall being provided with latching means including a movable latching bar for simultaneously engaging both ends of said rod, said latching bar having a latching position overlying the ends of said U-shaped rod in said recesses and a retracted position in which the said ends of the rods are removable from the recesses.

2,472,568
FLUID OPERATED VIBRATOR
Ralph Burt, Homer City, Pa., assignor to Syntron Company, Homer City, Pa., a corporation of Delaware
Application August 14, 1945, Serial No. 610,852
10 Claims. (Cl. 259—1)



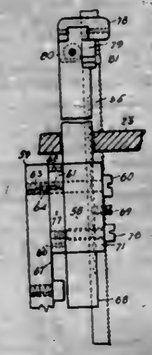
1. Vibratory apparatus comprising a base adapted to be secured to an object to be vibrated, and providing a pressure chamber, a pliable diaphragm closing one end of said chamber, inlet and outlet connections to said chamber, a valve for controlling flow through said outlet connection, resilient means connecting said valve and diaphragm, a massive body connected to said diaphragm, and spring means biasing said mass and diaphragm in a direction to close said valve.

2,472,569
MEANS FOR SECURING A PIPE FITTING TO A PLATE, WALL, OR THE LIKE
Percy Graham Caldwell and Lionel William Hope-Walton, London, England
Application January 21, 1947, Serial No. 723,328
In Great Britain January 26, 1946
8 Claims. (Cl. 285—25)



1. A pipe fitting adapted to be clamped into sealing relation with a hole in a wall, comprising a screw-threaded tube and a nut-operated jointing means for sealing the fitting to the hole, one end of the tube being adapted to be passed freely through the hole and having a freely displaceable head of such dimensions as to be capable of bridging the hole and bearing on the inside of the wall on opposite sides of the hole, the head being adapted to be displaced in relation to the tube and passed obliquely through the hole and then shaken into a position to bridge the hole as aforesaid so that it will thrust against the said wall while the nut is operated to clamp the jointing means, and being adapted to be shaken into a position in which it may be easily withdrawn through the hole when the clamp is slackened.

2,472,570
WORK-SUPPORTING ADJUSTABLE MANDREL FOR BAND SAWS
Stanley J. A. Christie, Oshawa, Ontario, Canada
Application August 11, 1944, Serial No. 549,162
2 Claims. (Cl. 143—132)

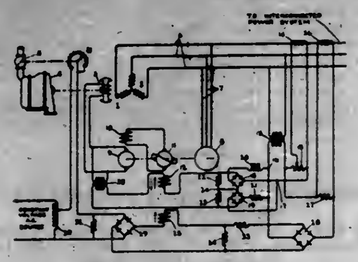


1. A mandrel for band saws and the like comprising a housing, means for securing said housing to a band saw table, set screw means for aligning said housing with the saw blade, a chassis adapted to carry a pedestal for supporting the work, said pedestal having a head and means for adjusting said head in a horizontal plane along a line aligned with said blade and along a line perpendicular to said aligned line.

2,472,571
REGULATING SYSTEM
Selden B. Crary, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 1, 1946, Serial No. 687,634
11 Claims. (Cl. 290—7)

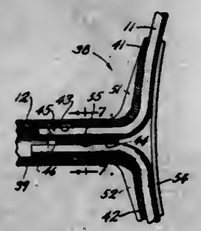
4. A field excitation control system for a synchronous generator driven by a prime mover comprising, a source of excitation for said generator field including a dynamo-electric exciter, means responsive to the output voltage of said generator for controlling the output of said exciter to maintain said generator output voltage constant, means for obtaining a potential proportional to the internal generated voltage of said generator including a resistance of effectively equal ohmic value to the ohmic value of transient reactance of said generator, means for

obtaining a second potential proportional to the electrical load on said generator including a rheostat variable in accordance with the position of the throttle of said prime mover, and means for limiting the generator field excitation lowering action of said dynamo-electric ex-



citer by comparing said first potential with said second potential and applying the excess of said second potential over said first potential to said exciter output control means to render said exciter ineffective to reduce generator field excitation below a predetermined minimum value.

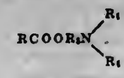
2,472,572
LANDING NET
Lewis Anthony Dailey, Oshkosh, Wis.
Application June 4, 1945, Serial No. 597,431
1 Claim. (Cl. 306—45)



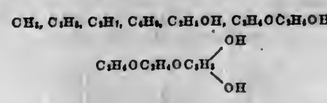
In a device of the class described, the combination of a length of wire formed in a generally circular loop with the opposite ends of the wire extending outwardly in the plane of the loop and parallel with each other to provide a pair of mounting shanks for the loop; each of said shanks including a notch on the exterior surface thereof; a tubular handle for the loop, and a mounting fitting having a portion telescoped within the handle and including a pair of parallel bores to receive the mounting shanks of the loop, together with a single rivet extending through the handle and the mounting fitting and engaging the notches in the shanks of the loop to lock the handle fitting and loop to each other; together with a pair of loop supporting arms on the mounting fitting, said arms each having an arcuate channel extending outwardly along a portion of the loop in a direction generally perpendicular to the axis of the mounting shanks, with flanges on each of said arms surrounding and engaging the wire near the shanks to support the loop at the shanks and in the curved portions of the loop adjacent the shanks.

2,472,573
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 11, 1948, Serial No. 14,397
7 Claims. (Cl. 252—341)

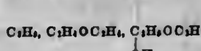
1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including a cation-active polychloride, said cation-active polychloride being the reaction product of diglycol chloroformate and a hydroxylated mono acylated amine of the following formula:



in which RCO is the acyl radical of a higher fatty acid having at least 8 and not more than 22 carbon atoms and R_1 and R_2 are selected from the class consisting of the monovalent radicals



and R_3 is selected from the class consisting of the divalent radicals



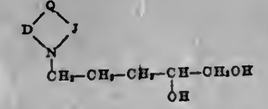
with the further proviso that there be at least one occurrence of an alcoholic hydroxyl radical in the radicals R, R_1, R_2, and R_3.

2,472,574
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application March 11, 1948, Serial No. 14,398
5 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including an oxyalkylated, drastically oxidized oiticica oil-castor oil condensate, said condensate being obtained by a reaction within the temperature range of 250° C. to about 280° C. in the presence of an acid sulfate activating agent; the proportion of oiticica oil to castor oil being within the range of one part of castor oil to two parts of oiticica oil, up to five parts of castor oil to two parts of oiticica oil; said oxidation being by means of a gaseous oxygen-containing medium and said oxyalkylation being sufficient to endow the final product with distinctly hydrophile properties and with the final proviso that the oxyalkylating agent be selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide, and methyl glycide.

2,472,575
N-(4,5-DIHYDROXY-N-AMYL) AND N-(4,5-DIACYLOXY-N-AMYL) AROMATIC AMINES
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 4, 1944, Serial No. 548,140
4 Claims. (Cl. 260—244)

1. The amines which are represented by the following general formula:

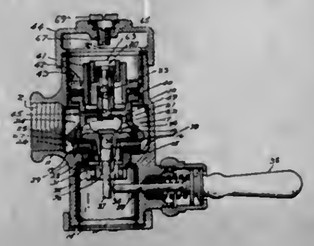


wherein D represents a monocyclic o-arylene group of the benzene series, the carbon atom in the aryl group in the para position to the



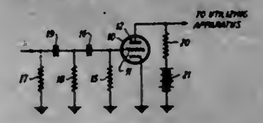
group having only a hydrogen atom attached thereto, J represents a 1,2-alkylene group and Q represents a member selected from the group consisting of a methylene group and an oxygen atom.

2,472,576
FLUSH VALVE
August C. Dobrick, Chicago, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 22, 1946, Serial No. 663,889
5 Claims. (Cl. 137—93)



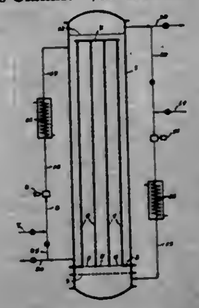
1. A flush valve comprising, in combination, a body having an inlet and an outlet for the fluid to be controlled, means within the body forming a main valve seat, a piston unit reciprocable in said body under the influence of fluid pressure differentials including a main valve element for cooperation with said main valve seat and relief valve means including a valve element controlling a passage leading from the end of said piston unit remote from said main valve element to the outlet of said body, and a rigid yoke-like element supported by said relief valve element and operable as an incident to movement of said piston unit to fully open position of said main valve to abut a portion of said body and positively to seat said relief valve element.

2,472,577
DOUBLE TIME-CONSTANT CIRCUIT FOR DIRECT-CURRENT RESTORATION
Vernon J. Duke, Rockville Centre, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1946, Serial No. 673,283
2 Claims. (Cl. 178—7.3)



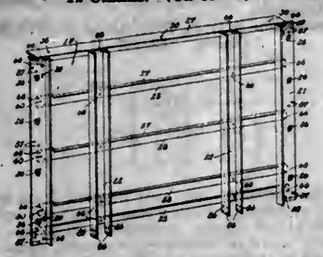
1. In television apparatus wherein there is received recurrent signals indicative of the optical values of an image undergoing scansion and wherein there is received a recurrent signal indicative of the black level of the image undergoing scansion and wherein the direct current component of the signals developed during scansion of the optical image is inaccurately represented, apparatus for restoring a direct current component to said received signals comprising a thermionic tube having anode, cathode and at least one control electrode, a first resistor connected between said control electrode and a point of reference potential, a first condenser, a second resistor connected serially with the control electrode, the first condenser and the point of reference potential, and a second condenser connected serially with the first condenser, the time constant of the circuit formed by the first resistor and first condenser being in the neighborhood of the time of occurrence of several of the recurrent signals and the time constant of the circuit formed by second condenser and second resistor being short as compared to the time constant of the circuit formed by the first resistor and first condenser.

2,472,578
METHOD OF CONTACTING FLUIDS
Seymour W. Ferris, Mount Holly, N. J., and Edward R. Lamson, Hatboro, and Douglas M. Smith, Norwood, Pa., assignors to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 21, 1946, Serial No. 656,126
8 Claims. (Cl. 196—13)



1. The method of contacting a liquid with a partially immiscible fluid, which comprises forming said liquid into an uninterrupted film between a plurality of vertical, horizontally-spaced guides, and bringing said liquid film into intimate contact with said fluid without rupture of said film.

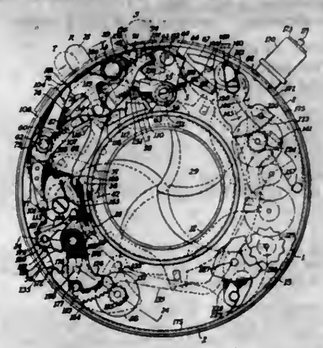
2,472,579
KNOCKDOWN DESK
Roland J. Freeman, Baldwin, N. Y.
Application October 20, 1945, Serial No. 623,585
12 Claims. (Cl. 45—8)



1. A desk pedestal comprising two separate and distinct pre-fabricated complementary metallic frame members, said frame members being oppositely disposed in spaced relation to partially form a load-bearing frame assembly for the desk pedestal, each of said frame members including a load-bearing main column, drawer guides supported in tier by said main column, and openings pre-punched in said frame member, said pre-punched openings being in alignment with the corresponding openings in said complementary frame member, a beam having a length governed by the width of the desk pedestal, said main columns being erected upon and carried by said beam and secured to the opposite ends thereof to partially cross brace said frame assembly, a plurality of cross braces, said cross braces having pre-punched openings formed in either end thereof registering with certain of the pre-punched openings in said frame members when said frame members are arranged in properly spaced relation and are plumb, square, and level, and means inserted in said pre-punched openings when in correct registry to lock said complementary frame members and said cross braces together to complete said load-bearing frame assembly.

2,472,580
CAMERA SHUTTER WITH AUTOMATIC DIAPHRAGM
Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Original application May 21, 1945, Serial No. 595,033. Divided and this application July 13, 1946, Serial No. 683,515
9 Claims. (Cl. 95—63)

1. In a camera of the type including an apertured casing, two interconnected blade rings movably mounted in the casing, shutter blades operatively connected to the blade rings for movement to make an exposure through the shutter casing aperture, the combination with said blade rings, of a master member, means for setting and releasing the master member, a striking surface on the master member movable through an arcuate path, an arm on one blade ring positioned to be struck by the striking member for operating the shutter blades, a diaphragm mechanism including leaves spring pressed toward an aperture closing position, a first diaphragm operating lever, a second diaphragm lever, a resilient connection between the first and second levers, the second lever lying in the path of the striking surface for closing the diaphragm leaves, said means for setting and releasing the master member causing movement of the striking surface in one direction for setting the shutter, said movement opening the diaphragm leaves through the first diaphragm operating lever, the second diaphragm

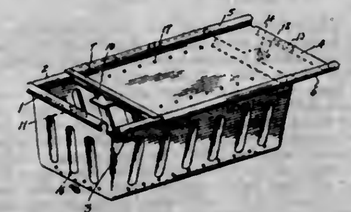


lever and the resilient connection between the first and second levers, said striking surface moving in a reverse direction when the master member is released for operating the shutter blades whereby the diaphragm mechanism spring may move the leaves to a closed position.

2,472,581
PREPARATION OF ALKOXY PYRAZOLONES
Walter A. Gregory, Oak Ridge, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 22, 1945, Serial No. 612,137
3 Claims. (Cl. 260—310)

1. The method of producing a 3-alkoxy-5-pyrazolone, which comprises stirring an ether solution of a mono-substituted hydrazine selected from the group consisting of alkyl, mononuclear aryl and benzothiazolyl hydrazines and an ethyl β-alkoxy-β-iminopropionate while cooling in an ice bath for several minutes, then removing the mixture from the ice bath and continuing the stirring for approximately one hour, and isolating the reaction product from the mixture.

2,472,582
FOOD CONTAINER
William E. Green, Los Angeles, Calif.
Application May 4, 1946, Serial No. 667,423
1 Claim. (Cl. 220—41)

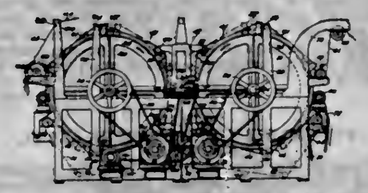


In a device for transporting goods in combination, a rectangular container having the upper side edges thereof and the upper edge of one end thereof upwardly and outwardly folded to form a continuous cylindrical rim, the side portions of the container rims being slightly smaller at the free outer ends thereof, the upper edge at the other end of the container being folded downward below the level of the side rims of the container, a cover having its side edges upwardly and outwardly folded to form similar cylindrical rims of a size freely to engage the side rims of the container from the small free ends thereof and to fit said rims snugly when the cover is fully closed, the forward end of said cover being upwardly folded to form a rim snugly fitting over the end rim of the container when the cover is fully closed, the cover being made with a lip forwardly projecting from said end rim thereof and positioned to enter into the end rim of the container when the cover reaches fully closed position, the other end of the cover being downwardly folded to form a cylindrical rim below the level of the side rims thereof, said rim having an opening therethrough, the other end of the container having a lip rearwardly extending therefrom and positioned to enter and pass through the opening in the cover rim when the cover reaches fully closed position, and means engaging said container lip for locking the cover in closed position on the container.

2,472,583
PRODUCTION OF CYCLIC NITROGEN BASE SULFONATES
Felix C. Gzemski, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application November 7, 1944, Serial No. 562,496
7 Claims. (Cl. 260—239)

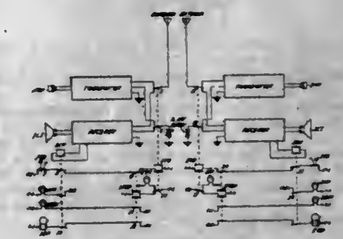
1. The method of producing a heterocyclic nitrogen base sulfonate, which comprises intimately commingling an oil solution of a sulfonic acid with a heterocyclic nitrogen base in an amount sufficient to at least partially neutralize the sulfonic acid, adding a small quantity of water to the mixture, settling the mixture, and separating the heterocyclic nitrogen base sulfonate from the oil.

2,472,584
NAPPING MACHINE
Wilfred Nourse Hadley, Springfield, Vt., assignor to Parks & Woolson Machine Co., Springfield, Vt., a corporation of Vermont
Application December 18, 1947, Serial No. 792,385
13 Claims. (Cl. 26—29)



1. In a napping machine including a drum and rollers arranged to lead cloth around the drum through a path tangent to the drum at at least one point; the combination of a frame mounted for rotation at each end of the drum, a roller mounted on said frames in position to span the drum beneath the cloth and spaced from said point of tangency, motor driven means for moving said frames, whereby said roller may be moved either to lift the cloth from the drum or to permit the cloth to touch the drum, motor driven means for feeding the cloth, and a control operable alternatively to cut off the power to the feed means and simultaneously lift the cloth, and to start the feed means and move the frames simultaneously to permit the cloth to touch the drum.

2,472,585
SINGLE CHANNEL RADIO COMMUNICATION SYSTEM AFFORDING BREAK-IN OPERATION
William D. Halles, Brighton, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application April 4, 1945, Serial No. 586,599
17 Claims. (Cl. 250—6)

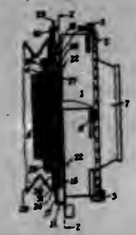


4. In a communication system for transmitting messages by the modulation of a carrier frequency, a plurality of stations each having a receiver and a transmitter, a carrier-responsive relay at each station associated with the receiver at that station and responsive to the reception of a carrier frequency irrespective of its modulations, a transmitter relay at each station normally rendering its receiver effective to receive a carrier signal but acting when energized to render its associated transmitter effective to transmit a carrier signal, manually operable means at each station for energizing its associated transmitter relay only when the associated carrier-responsive relay is inactive, and control apparatus rendered effective by the manual actuation of said manually operable means for automatically deenergizing said transmitting relay after a time interval independently of the operated condition of said manually operable means, said control apparatus being automatically restored by the deenergization of said transmitter relay, whereby transmission from each station while the manually operable means is actuated is intermittently interrupted to permit some other station to break in.

2,472,586
DETACHABLE SHUTTER MOUNT FOR CAMERAS
Douglass C. Harvey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 20, 1946, Serial No. 663,704
2 Claims. (Cl. 95—53)

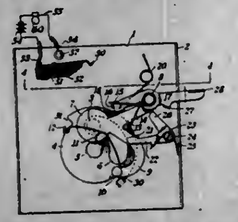
1. A mount for attaching a shutter, having a rear lens tube, to a camera, said mount comprising a metal lens board adapted to be carried by the camera, a recess in the lens board, a nut

adapted to fit into the recess, a plurality of flat lugs projecting from the lens board lying substantially parallel thereto and constituting hook-like members, formed of the metal lens board and overlying apertures therein, a notched flange projecting from the lens board, a latching plate having a recess therein fitting the nut, the lens board and latching plate having coaxially arranged central apertures to receive tthe rear lens tube of the shutter, the nut having a threaded en-



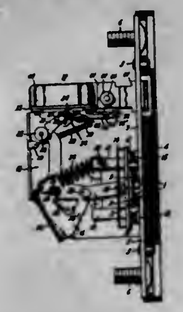
gagement with the lens tube for holding the latching plate on the shutter, a plurality of flat lugs carried by the latching plate for engagement with the flat hook-like members of the lens board to hold the plate to the lens board, and a latch arm positioned on the latching plate for engaging the notch in the flange projecting from the lens board, the latch arm having a resiliency enabling it to snap into, or be sprung out of, latching engagement with the notch.

2,472,587
BLADE AND COVER BLIND SHUTTER WITH BUILT-IN FLASH SYNCHRONIZER
Douglass C. Harvey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 7, 1946, Serial No. 688,845
3 Claims. (Cl. 95—11.5)



1. A synchronizing shutter for cameras including, in combination, a support, having an exposure aperture therein, a shutter blade pivoted adjacent said aperture and having a slot through which an exposure may be made, a cover blind pivoted on the support, a spring connecting the blade and cover blind, a trigger pivoted on the support and connected to the cover blind by a spring, a cover blind latch for holding the cover blind in a normal position of rest, said latch lying in the path of movement of the trigger, a switch element lying in the path of movement of the cover blind, a flashlight circuit connected to the switch element, said spring connecting the trigger and the cover blind moving the latter at a predetermined speed into contact with the switch element to make the flashlight circuit when the spring is tensioned to a predetermined degree by the trigger moving to release the latch whereby said shutter blade may move past the exposure aperture, completing an exposure.

2,472,588
ELECTRIC SWITCH
Claude D. Hayward, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application November 2, 1944, Serial No. 561,539
12 Claims. (Cl. 200—166)



3. An electric switch comprising two spaced stationary contacts, a cooperating rectilinearly movable bridging contact, a rotatably mounted operating member having a mounting slot, a link interconnecting said bridging contact and said operating member and forming with the member a toggle for effecting circuit closing movement of the bridging contact upon a predetermined rotation of the member in one direction to align said slot for limited sliding movement of said member in the same direction as the rectilinear movement of said bridging contact, means including a latch offset substantially in quadrature with the line of the toggle opposite one side of said slot and engageable with said operating member upon said predetermined rotation therefor for holding the toggle to maintain the bridging contact in the closed circuit position, and a resilient member having a connection with said operating member laterally adjacent said one side of said slot and stressed during said predetermined rotation of said operating member for biasing said member to slide the toggle in the direction of circuit closing movement of the bridging contact while the toggle holding latch is effective and to turn in the direction to collapse the toggle and effect circuit opening movement of the bridging contact upon release of said latch.

2,472,589
POLYMERIZATION OF ALPHA ALKYL STYRENES
Arthur B. Hersberger, Drexel Hill, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application April 18, 1946, Serial No. 663,249
11 Claims. (Cl. 260—93.5)

1. A process for polymerizing an alpha alkyl styrene, which comprises contacting said alpha alkyl styrene with a Friedel-Crafts catalyst in the presence of a solvent comprising an inert poly-

alkylpolysiloxane at a temperature below 10° C., said polyalkylpolysiloxane being liquid at the polymerizing temperature and having an alkyl hydrocarbon to silicon ratio between 2 and 3.

2,472,590
OXIDATION OF STARCH WITH NITROGEN DIOXIDE
William O. Kenyon and Cornelius C. Unruh, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 2, 1945, Serial No. 580,735
6 Claims. (Cl. 260—209)

1. NO_2-oxidized starch which is insoluble in water, free of non-uronic carboxyl groups and having a CO_2 equivalence of at least 12%.

2,472,591
METHOD OF PREPARING AN OXIDIZED NITRATED CELLULOSE
William O. Kenyon and William F. Fowler, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 29, 1946, Serial No. 658,218
6 Claims. (Cl. 260—220)

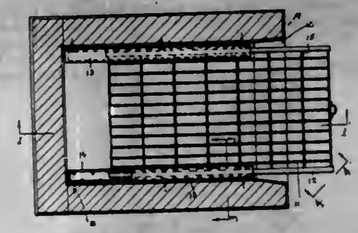
1. A method of preparing oxidized nitrated cellulose which comprises treating bone-dry cellulose with an anhydrous mixture of nitrogen dioxide, nitric acid, and a halogenated hydrocarbon, the nitrogen dioxide and the halogenated hydrocarbon being employed in approximately equal amounts, the nitric acid being employed in an amount constituting 4–25% of the total liquid, and the cellulose treated being approximately 2–5%, based on the total liquid with which it is treated.

2,472,592
INORGANIC INSULATING COATING FOR ELECTRICAL STEEL SHEET AND STRIP
George C. Kiefer, Springdale, Pa., assignor to Allegheny Ludlum Steel Corporation, a corporation of Pennsylvania
No Drawing. Application January 9, 1945, Serial No. 572,097
5 Claims. (Cl. 148—6.20)

3. A method of forming an insulating coating on silicon steel in strip or sheet form, which consists in coating at least a surface of such steel with an aqueous solution the solutes therein consisting essentially of magnesium chromate and magnesium acetate in which the chromate exceeds the acetate by weight but in an amount less than twice the weight thereof, then subjecting the material so coated to sufficient heat within the temperature range of from 400° F. to about 1750° F. to dehydrate such coating and to decompose the magnesium salts contained therein.

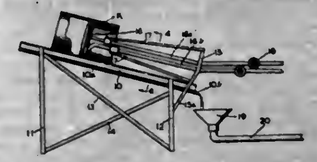
2,472,593
BALL BEARING DRAWER
Earl W. King, New York, N. Y.
Application May 16, 1945, Serial No. 594,013
1 Claim. (Cl. 211—143)

A drawer structure comprising a receptacle adapted to reciprocate into and out of a compartment, an elongated cylindrical runner mounted adjacent the lower edge of each side of the receptacle in spaced parallel relation thereto, a series of horizontal supports interconnecting the runner and the receptacle, a cylindrical track carried by the side walls of the compartment for each of the runners and having a longitudinal



slot for the passage of the supports and a plurality of spaced anti-friction bearings interposed between the tracks and the runners.

2,472,594
APPARATUS FOR PROGESSIVELY MELTING AND DISPENSING SOLIDIFIED MATERIALS
Jack W. Kuehn, Minneapolis, Minn., and Marvin J. Rosefield, Alameda, Calif.
Application April 4, 1946, Serial No. 659,648
3 Claims. (Cl. 126—343.5)

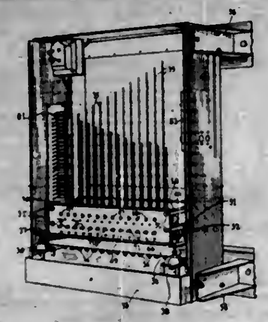


1. Apparatus for progressively melting and dispensing a mass of solidified material from an open ended receptacle comprising an inclined slide for supporting said receptacle containing said material, said slide being inclined so that the receptacle will slide downwardly therealong under the influence of gravity a heating head disposed longitudinally of said slide and spaced thereabove to abut the material within said receptacle, said slide having collection means for receiving the material progressively melted and a winch for pulling a receptacle backwardly to the top of said slide.

2,472,595
MUSICAL INSTRUMENT
Jacob T. Kunz, North Hills, Pa., assignor to Schulmerich Electronics, Incorporated, Sellersville, Pa., a corporation of Pennsylvania
Application January 15, 1946, Serial No. 641,242
16 Claims. (Cl. 84—1.14)

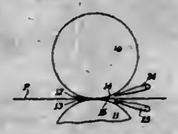
5. In an electric musical instrument, a plurality of fixed-free rods, each of said rods being tuned to a predetermined tone thereof and having even harmonic pattern producing means therefor including a grooved portion adjacent the fixed end thereof; a base; rod holders adjustably mounted on said base and having means adjacent the outer end thereof for adjustably gripping said rods substantially circumferentially at their point of emergence from said holders; selectively operable strikers for said rods; translating means for changing mechanical vibrations of said rods to electrical vibrations; and an electro-acoustical

translating means producing tones when said rods are struck having substantially the same relation-



ship between the fundamental tone of a rod and the harmonic pattern thereof for all of said rods.

2,472,596
REMOVAL OF EXCESS LIQUID FROM WET FILM
Charles J. Kunz, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 17, 1946, Serial No. 670,636
4 Claims. (Cl. 34—14)



1. The method of removing the excess liquid from the body and surface of a wet film of absorbent material and comprising the steps of moving the film between a pair of wringer rollers to squeegee the liquid therefrom, and blowing a blast of air substantially normally to the nip between the rollers and web surfaces to continuously disperse the bead of liquid formed between the opposite faces of the film and the roller surfaces at the downstream side of said rollers to prevent said beads of liquid from rewetting the film faces as the film leaves the wringer rollers.

2,472,597
FLUORESCENT LAMP AND ASSEMBLY THEREFOR
Milton C. Levy, Chicago, Ill.
Application February 10, 1945, Serial No. 577,197
4 Claims. (Cl. 240—51.12)



3. A lamp assembly, comprising relatively juxtaposed and edgewise engaged sections, portions of which have registering recesses formed therein, a tubular lamp envelope of substantially closed configuration received about and arranged adjacent said sections, the opposite ends of said envelope being angularly extended therefrom in closely spaced relation and in substantially coplanar relation to the envelope, said angularly extended opposite ends entered into the sections through said registering recesses therein, and a lip on a substantially longitudinal medial portion of the inner side of the lamp envelope extended laterally from and beyond the same having its opposite ends spaced inwardly from the angularly extended opposite ends of the envelope, said lip being received and clampingly engaged between the adjacent edgewise engaged portions of said sections, and means interconnecting said sections.

4. An envelope for an electric lamp, comprising a light permeable tubular body of substantially closed configuration, tubular extensions of light permeable material integral with the opposite ends of said body, each of said extensions being disposed inwardly of the body at substantially right angles thereto and arranged in juxtaposed relation, said extensions and body being in substantially co-planar relation, and a continuous lip fixed to and extending from the inner side of said body having its ends terminating inwardly of said tubular extensions.

2,472,598
ULTRA HIGH FREQUENCY OSCILLATION GENERATOR
Bernard D. Loughlin, Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application March 1, 1945, Serial No. 580,375
12 Claims. (Cl. 250—36)



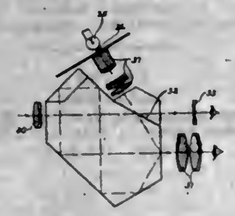
4. An ultra-high-frequency oscillation generator comprising, an electron-discharge device including anode and cathode electrodes and an intermediate control electrode maintained at a fixed reference potential, resonant-circuit means having a voltage-divider tap coupled to said control electrode, and a phase-shifting network including a reactance element of a first type serially connected with said resonant-circuit means between said anode and cathode electrodes and a reactance element of a second type effectively connected between said control electrode and one of said anode and cathode electrodes, said phase-shifting network providing in conjunction with said resonant-circuit means input and output circuits for said electron-discharge device effective to feed back energy from said output circuit to said input circuit with such phase as to support sustained oscillations at an operating frequency corresponding substantially to the resonant frequency of said resonant-circuit means.

2,472,599
DENTAL X-RAY FILM PACKAGE
Benjamin E. Lubsehez, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 21, 1946, Serial No. 617,758
12 Claims. (Cl. 250—69)



1. In a film package, the combination with a sheet of photographic film, of a metallic enclosure for said film juxtaposed thereon and having a melting point substantially below that of the film emulsion.

2,472,600
OPTICAL ERECTING PRISM FOR FOLDING A LIGHT PATH
Benjamin E. Lubsehez, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 20, 1946, Serial No. 655,383
2 Claims. (Cl. 88—1)



1. A reflecting prism system comprising a roof reflecting surface with a 90° dihedral angle, entrance and exit faces perpendicular to the plane bisecting said dihedral angle, and four internal reflecting surfaces also perpendicular to said bisecting plane, the intersection of said four surfaces and said two faces with the bisecting plane and the roof edge of said roof reflecting surface in said plane forming a seven-sided figure with two angles equal to 120° at each side of one face, two angles equal to 135° at each side of the other face, one angle 105° between one of the 120° and one of the 135° angles and the other two internal angles equal to 90° and 195° respectively.

2,472,601
PARACHUTE CANOPY
Henry R. Mallory, Manchester, Conn., assignor to Pioneer Parachute Company, Inc., Manchester, Conn., a corporation of Connecticut
Application October 25, 1946, Serial No. 705,632
5 Claims. (Cl. 244—145)



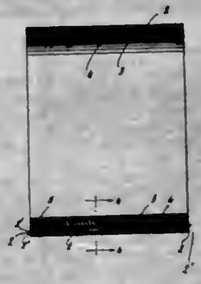
1. A parachute having a canopy divided into two areas constituting a lower skirt portion and an upper peak portion separated by an air vent, elastic means normally tending to close said air vent and yieldable in response to pressure applied to the inner surface of the canopy during shock loading to permit opening of said air vent, said elastic means being of sufficient strength to close said vent at least partially after shock loading and when the parachute is subjected to the forces incident to normal decent, said peak portion being of sufficient diameter when fully extended to hold said skirt portion open to receive air although said skirt portion is not fully extended.

2,472,602
OVERHEAD DOOR STRUCTURE
Charles J. Manville, Pontiac, Mich., assignor, by mesne assignments, to The Kurt Manufacturing Company, Akron, Ohio, a corporation of Ohio
Application January 17, 1947, Serial No. 722,510
10 Claims. (Cl. 20—16)



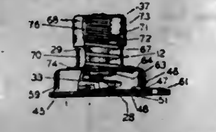
10. In an overhead door structure having an opening including a frame, a rigid door, means extending from each side of the door, located intermediate the top and bottom of the door and defining a horizontal turning axis, means on the door frame and connected to the door whereby to urge said first means upwardly, and means anchored in the door frame at a point below the position occupied by said first-mentioned means when the door is lowered and attached to an upper portion of the door to constrain the said upper portion to movement in an arcuate path as the first said means is moved vertically.

2,472,603
FORM FOR ELECTRIC WINDING COIL
Leonard L. Mayer, New York, N. Y.
Application October 5, 1946, Serial No. 701,535
1 Claim. (Cl. 242—119)



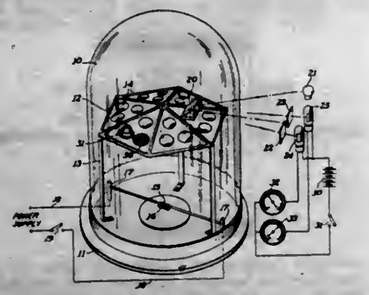
A form for electrical winding coil consisting of an outer and inner winding of electrical kraft paper over a fibre board core, said winding being straight, adhering by means of glue substance, the ends of the fibre board core being bound securely by electrical kraft paper with a glue thereon.

2,472,604
RHEOSTAT WITH SWITCH
Eugene F. McDonald, Jr., Chicago, Ill.
Application January 20, 1945, Serial No. 573,674
1 Claim. (Cl. 201—48)



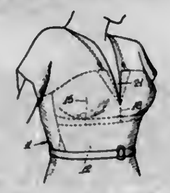
In combination, a housing, a rheostat and a pair of switches mounted in said housing, a common operating member having a shaft journaled in a wall of said housing and an enlarged member on the end of said shaft outside of said housing arranged for convenient rotation or linear movement of said shaft, said shaft having a longitudinal slot therein, a pin connected with said rheostat, said pin being arranged so that rotation of said enlarged member adjusts said rheostat by rotation of said shaft and pin in any position of linear movement of said shaft, a spring having a portion fixed in said housing and a free part spaced therein, in the path of linear movement of said shaft, one of said switches having a contact on the end of said shaft within said housing and having a second contact on the free part of said spring and the other switch having a first contact fixed on said free part of said spring and a second contact fixed in said housing in the path of travel of said free part of said spring whereby linear movement of said shaft into said housing first closes the contacts of said one switch and later closes the contacts of said other switch and adjustment of said rheostat by rotation of said shaft then wipes the contacts of said one switch.

2,472,605
METHOD OF DEPOSITING OPTICAL INTERFERENCE COATINGS
Daniel B. McRae, San Diego, Calif., and John H. McLeod, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 15, 1946, Serial No. 662,182
1 Claim. (Cl. 117—106)



The method of depositing on surfaces, optical interference coatings with a preselected minimum-intensity-wavelength, comprising supporting an object whose surface is to be coated, depositing the coating material gradually on said surface, illuminating a portion of the surface with light including wavelengths both longer and shorter than the minimum intensity wavelength, receiving the light specularly reflected from the surface on a pair of photoelectric means responsive predominately to said longer and shorter wavelengths respectively, continuing the depositing until the response of the shorter wavelength photoelectric means reaches a minimum and starts to increase and then terminating the depositing when the ratio of the two photoelectric responses reaches the value at which the spectral intensity of the specularly reflected light has its minimum at said preselected wavelength.

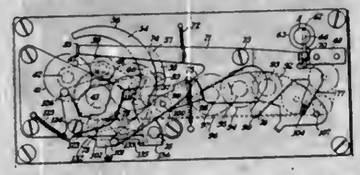
2,472,606
BRASSIÈRE
Rose Michaelson, New York, N. Y.
Application August 21, 1948, Serial No. 45,462
2 Claims. (Cl. 2—42)



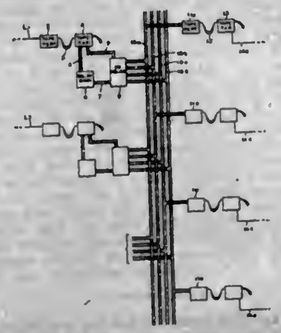
1. A brassière comprising a pair of substantially square panels at the front thereof, each having a breast cup conformation therein, said panels being positioned in side by side relation and having two adjacent lateral edges connected at the lower portion thereof and flaring outwardly from said lower portion to the upper edge of each of said panels to form a substantially V-shaped gap between said adjacent lateral edges, a tension transmission member on each of said panels between said breast cup conformations, said members being substantially in the shape of a right angle triangle having a long leg and a short leg, said long legs being aligned with the respective lateral edges of said panels extending from the inverted apex of said V-shaped gap to the top edge of the respective panels, and said short legs being aligned with the upper edges of the respective panels, a pair of shoulder straps secured respectively at their rear ends to the back of said brassière, a connector loop affixed at each end to the upper edge of the respective panels with the ends of said loop aligned with the ends of the short leg of said tension transmission member and means connecting the front end of said shoulder straps to said connector loops, whereby when said brassière is worn the tension from said shoulder strap will be transmitted through said tension transmission member securely to press the latter against the chest of the wearer between the breasts.

2,472,607
VARIABLE APERTURE CURTAIN SHUTTER FOR CAMERAS
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 30, 1946, Serial No. 687,093
21 Claims. (Cl. 95—57)

1. A controlling device for curtain shutters of the type having two curtains normally covering an exposure aperture, two spring rollers, one attached to each curtain for supporting one end of each curtain to one side of the exposure aperture, and coaxially arranged rollers, one supporting each curtain on the opposite side of the exposure aperture, the combination with said curtains and their supporting rollers, of controlling mechanism comprising gearing interconnecting the coaxially arranged rollers, and including a gear attached to each of the two of the coaxially-supported rollers, one for each curtain, gearing connecting said two gears including at least two movably-mounted intermeshing gears, means for shifting the axes of the movably-mounted gears while maintaining all gears in mesh, said controlling mechanism also including means for moving the shiftable axes of the movably-mounted gears to predetermined positions to adjust the width of an exposure slot between the curtains.



2,472,608
MEANS AND METHOD FOR SWITCHING OF TELEGRAPH MESSAGES
Joseph W. Milnor, Maplewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application January 12, 1945, Serial No. 572,499
3 Claims. (Cl. 178—3)



1. In a system for the automatic switching of telegraph messages, the combination of a source of telegraph signals including a ready signal, a clearing signal and a switching signal transmitted in advance of the message characters, a plurality of outgoing lines, switching means for connecting said source to any one of said outgoing lines, means responsive to the receipt of said ready signal for preparing said switching means for operation by said clearing signal, means responsive to the receipt of said clearing signal for clearing all connection between said source and said outgoing lines, and means responsive to receipt of said switching signal for completing a connection between said source and a predetermined outgoing line.

2,472,609
ELASTIC FLUID-FLOW MEASURING SYSTEM
David W. Moore, Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application November 8, 1944, Serial No. 562,557
8 Claims. (Cl. 73—194)



1. A system for measuring the flow of air to an internal combustion engine including an air intake conduit in weight per unit of time independently of variations in temperature, barometric pressure, and the like comprising, a chamber in fluid communication with said conduit, means including rotatable means in said chamber having provisions for driving by the engine for deriving a first effect varying substantially solely with the density and the square of the velocity of said fluid in said conduit, means having provisions for driving by the engine for deriving a second effect varying with the velocity of said fluid in said conduit, and means responsive jointly to said first and second effects for deriving a third effect representative of the quotient of said first effect by said second effect, constituting a measure of said fluid flow.

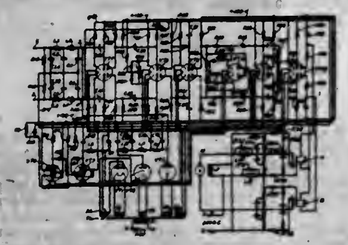
2,472,610
DISTILLATION OF OLEFIN-HYDROGEN CHLORIDE MIXTURES
Alan C. Nixon, Berkeley, David C. Lehwalder, Oakland, and Harry A. Cheney, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 17, 1947, Serial No. 786,544
8 Claims. (Cl. 202—57)

1. In a process for the separation of hydrogen chloride in a state of high purity from a mixture containing said hydrogen chloride in admixture with an olefin by fractionating said mixture at an elevated pressure, the improvement which comprises effecting said fractionation in a fractionating zone in which substantially all surfaces contacting said mixture undergoing fractionation are essentially only of nickel thereby effecting said fractionation in the absence of any substantial interaction of said hydrogen chloride and said olefin.

2,472,611
MOTOR CONTROL CIRCUIT
Bernard Ostendorf, Jr., Jamaica, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 2, 1945, Serial No. 597,205
2 Claims. (Cl. 318—257)

2. In a servo-amplifier system, a multivibrator comprising two tubes with substantially identical condenser resistance feedback circuits whereby with balanced grid potentials applied to the grids of said tubes oppositely poled square waves are generated in the plate circuits of said tubes having substantially equal closed and open periods, power amplifier tubes upon the inputs of which said output waves are impressed, relays in the output circuits of said power amplifier tubes operable in alternation in response to said amplified output waves, a source of power, a servo-motor operable in response to impulses transmitted thereto from said source by the alternate opera-

tion of said relays, a signal input circuit, and means responsive to the application of a signal potential to said signal input circuit to render the grid potentials of said multivibrator tubes unequal whereby the closed periods of one of said output waves become lengthened and the closed



periods of the other of said output waves become shortened to increase the net voltage of the impulses transmitted by said relays to said motor whereby said motor is caused to run in a direction determined by the polarity of the net voltage and at a speed determined by the magnitude of the net voltage.

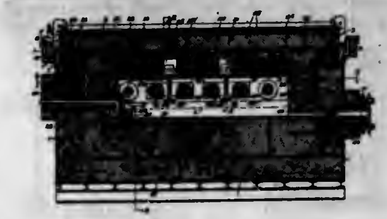
2,472,612
ELECTRIC FURNACE
Frank F. Poland, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
Application May 20, 1944, Serial No. 536,580
11 Claims. (Cl. 13—20)



1. An electric furnace having, in combination, walls forming a furnace chamber; said walls comprising a furnace lining, a refractory support for said lining, and refractory anti-friction means between said lining and support for facilitating expansive movement of said lining relative to said support; a metallic casing for said walls, and a layer of yieldable lagging between the lateral portions of said walls and the lateral walls of said casing for permitting over all expansion of the former independently of the latter.

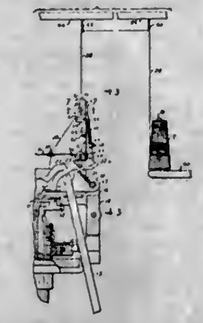
2,472,613
ELECTRIC RESISTANCE FURNACE
Frank F. Poland, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
Application January 18, 1945, Serial No. 573,337
14 Claims. (Cl. 13—20)

2. An electric furnace having, in combination, means forming a furnace chamber having a roof, which latter comprises a wall of heat refractory carbonaceous material defining the top of said chamber, electric heating resistors in said chamber beneath said roof, means suspending said resistors from said roof comprising elongated mem-



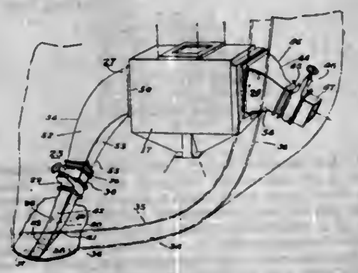
bers of heat refractory carbonaceous material extending through openings formed in said wall to the upper side of the latter, and heat refractory electric insulating means operatively carried by said wall at the upper side thereof for supporting said members on said wall.

2,472,614
TENSION DEVICE
John A. Pons, Morganton, N. C., assignor to Greensboro Textile Supply Company, Greensboro, N. C., a corporation of North Carolina
Application January 26, 1946, Serial No. 4,449
2 Claims. (Cl. 66—146)



1. In a knitting machine having a pivoted yarn feed finger for feeding yarn to the needles of the knitting machine, a pair of tension disks normally moved toward each other and through which the yarn passes, a plunger having a pointed upper portion adapted to pass between the disks and having a lower portion adapted to be engaged by the end of the yarn feed finger remote from the end which feeds the yarn to the needles, so that upon the yarn feed finger being moved to operative position, the plunger will be moved upwardly to cause its pointed portion to pass between the tension disks to remove any clamping effect on the yarn passing therebetween and when the yarn feed finger is moved to inoperative position the plunger will move downwardly from between the disks to cause the disks to clamp the yarn.

2,472,615
CONDENSER APPARATUS
Alexander I. Penomareff, Havertown, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 26, 1947, Serial No. 776,359
1 Claim. (Cl. 257—26)

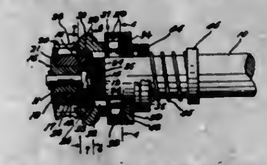


In a propulsion plant for a ship, a surface condenser and extending athwartship; said surface condenser including a shell which is rectangular in cross section, rectangular inboard and outboard tube plates connected to the ends of the shell, and a rectangular nest of tubes carried by the tube plates; means for circulating water through the tubes including inlet scoop and overboard discharge structures; said inlet scoop structure having a passage of rectangular section and whose inlet end is open to the exterior of the ship at the bottom thereof and whose outlet end is adjacent to the inboard tube plate; said inlet scoop structure extending upwardly and rearwardly and curved outwardly to aline the outlet of its passage with the inboard tube plate; said scoop passage having its flow area divergent from its throat at the inlet end to the outlet end thereof, whereby entering water may flow therethrough without encountering sudden enlargements in flow area to provide for gradual transformation of velocity energy thereof into pressure energy from the inlet to the outlet ends; said inlet scoop structure including four plates which taper in width and have their edges joined to form the diverging rectangular scoop passage and three of said plates having rolled curvature and the remaining plate being warped so that joining thereof at their edges results in a passage which extends upwardly and rearwardly and is curved outwardly.

2,472,616
TREATMENT OF WATER
William George Prescott, Ewart Ingham Akeroyd, and Eric Leighton Holmes, London, England, assignors to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application September 22, 1944, Serial No. 555,390. In Great Britain November 12, 1943
4 Claims. (Cl. 210—23)

1. The process of softening water which comprises introducing 0.1 to 10 parts per million of PO_4 ions into solution in the water, adding sufficient chemicals from the group consisting of lime and soda to react with the calcium and magnesium hardness in said water, and then flowing said water upwardly through a mass of particles at a rate of flow high enough to maintain said mass in suspension whereby the presence of said PO_4 ions increases the amount of calcium carbonate which crystallizes from said water on said particles.

2,472,617
TRIMMER
George Prodromes and Marcus Prodromes, Winston Salem, N. C.
Application October 7, 1946, Serial No. 701,726
7 Claims. (Cl. 12—88)



1. A trimmer comprising a shaft, an axial spindle on one end of the shaft forming an annular shoulder at its junction with the shaft, a stop collar fixed to the spindle in spaced relation to the shoulder, said stop collar having diametrically opposite longitudinal grooves in its periphery and diametrically opposite recesses in its end facing the shoulder, a cutter guard surrounding the spindle and having an enlarged stop collar receiving recess in one end, diametrically opposed lugs extending inwardly from the recessed end of the cutter guard for passage through the grooves and entrance into the recesses to establish driving connection between the shaft and the cutter guard, an outwardly extending annular guard flange on the end of the cutter guard opposite the recess, yielding means surrounding the spindle and abutting the shoulder for urging the lugs on the cutter guard into the recesses in the stop collar, a radially toothed cutter surrounding the cutter guard between the guard flange and the yielding means and an annular row of circumferentially spaced lugs on the guard flange for entering the spaces between the teeth on the cutter and effecting driving connection between the cutter and the cutter guard.

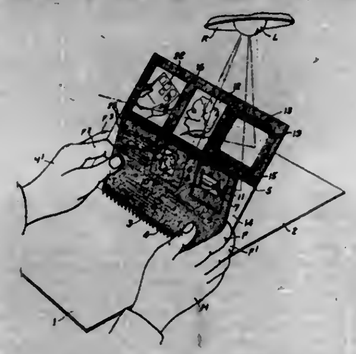
2,472,618
PRODUCTION OF ETHYL ALCOHOL
Alexander S. Ramage, Detroit, Mich., assignor to Albert A. F. Maxwell, Detroit, Mich., as trustee
No Drawing. Application February 8, 1944, Serial No. 521,282
3 Claims. (Cl. 260—639)

1. A process for the production of ethyl alcohol from ethylene comprising reacting ethylene, sulphur dioxide, and water in the proportions by weight of substantially 56 parts ethylene, 64 parts sulphur dioxide, and 18 parts water at a pressure of about 500 pounds per square inch and at a temperature of about 300° F., and then adding to the reaction mixture substantially 36 parts by weight of water and raising the pressure of the mixture to about 200 pounds per square inch, and then rectifying the final reaction mixture to recover ethyl alcohol.

2,472,619
PICTURE SELECTOR
Alfred B. Reed, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 25, 1945, Serial No. 624,563
6 Claims. (Cl. 35—56)

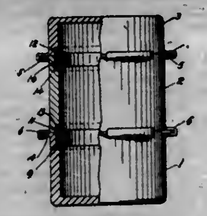
1. A photographic selector comprising a pair of relatively movable leaves, a first leaf including

picture-carrying frames and a second leaf carrying a reflecting surface and a picture mount, one of the picture-carrying frames of the first leaf being adapted to support a standard light-transmitting picture, the second leaf being adapted to support a standard opaque picture reproduced therefrom, the other picture frame of the first leaf being adapted to support a light-transmitting picture to be judged, movement of the first leaf



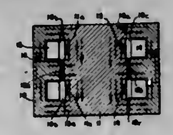
relative to the other leaf varying transmitted light and reflected light from a suitable light source and falling upon the pictures to form a standard viewing lighting when the standard reproduction opaque picture and the standard light-transmitting picture are similar in contrast and brilliance at which time said light-transmitting picture to be judged will appear in the contrast and brilliance which may be expected from an opaque picture to be reproduced therefrom.

2,472,620
PRESSURE COOKER
Thornton R. Rhodes, South Gate, and Ernest R. Hunt, Los Angeles, Calif.
Application June 21, 1946, Serial No. 678,242
2 Claims. (Cl. 285—175)



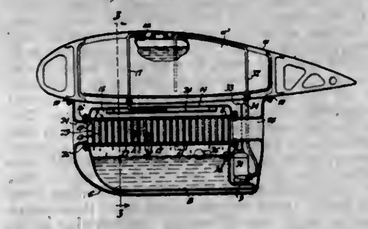
1. A pressure cooker comprising a cylindrical casing divided into axially interfitting sections provided with means for interlocking the sections, each section being made at one edge thereof with an internal annular recess having a V-shaped bottom, the edge of each abutting section being made with an annular groove in continued alignment with said recess, and an annular resilient sealing member seatable in each groove and freely extending to the bottom of each recess, the outer edge of each member being shaped to fit within the V-shaped recess bottom.

2,472,621
IMPULSE MOTOR
Herbert C. Roters, Roslyn, N. Y., assignor to Fairchild Camera and Instrument Corporation, a corporation of Delaware
Application June 29, 1945, Serial No. 602,365
24 Claims. (Cl. 318—122)



1. An impulse motor comprising, a magnetic circuit including an air gap, stationary means for developing a constant magnetic field through said circuit and extending transversely of said air gap, stationary means for developing an impulse magnetic field in the vicinity of said gap, and reciprocable means responsive jointly to said two fields and including provisions for translating a mechanical impulse.

2,472,622
VAPOR RECOVERY SYSTEM FOR AIRPLANE FUEL TANKS
Arthur J. Savard, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation, a corporation of Delaware
Application December 9, 1944, Serial No. 567,506
14 Claims. (Cl. 244—1)

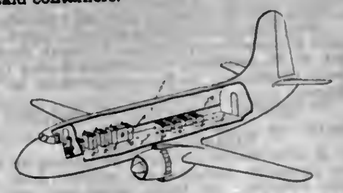


1. In combination with an aircraft having a tank for liquid fuel, a fuel vapor recovery system comprising an air cooled heat exchanger arranged to be cooled by air from the slip stream of the aircraft, connected to receive fuel vapor from the tank, and designed to condense the vapor as it flows therethrough, an accumulator connected to the heat exchanger to receive the condensate therefrom, means operative during flight of the aircraft to force the fuel vapor from the fuel tank into the heat exchanger and the condensate to flow into the accumulator, and means for delivering the condensate from the accumulator to a point of use.

2,472,623
AIR TRANSPORTATION OF SMALL PARCELS
Richard B. Schulze, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application November 10, 1945, Serial No. 627,918
6 Claims. (Cl. 244—118)

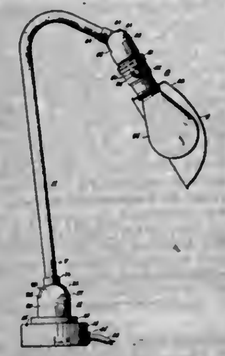
1. An air express transportation system including an airplane having a cargo carrying

compartment, a plurality of air impervious, flexible walled collapsible parcel containers located in said compartment, detachable connections for securing said containers in place relative to the aircraft structure, a manifold suction header extending along the wall of said compartment, and flexible connections interconnecting said containers and said header to effect a reduced pressure in said containers.



6. An air express transportation apparatus including an air impervious, flexible walled, collapsible parcel container, tie down means secured to said container adjacent the bottom thereof for detachably securing the container to a supporting surface, a wall portion of said container being provided with an access opening and a closure therefor including a slide fastener to secure the closure to the peripheral edges of the wall around said opening, cooperating pressure sealing means on the peripheral edges of said wall and said closure to minimize the leakage of air into said container, and a fitting formed in the wall of said container through which the air in the container may be exhausted, when said closure is closed, to collapse said container.

2,472,624
WORK LAMP SUPPORT
Nathan Rodney Schwartz, New York, N. Y., assignor to Naras Research Inc., New York, N. Y., a corporation of New York
Application July 10, 1943, Serial No. 494,433
2 Claims. (Cl. 248—346)



1. In a lamp base comprising a hollow base, a cylindrical housing, a spherical member therein and a closure washer for the base, said spherical member seated on a washer, a slot in said washer, means integral with said housing and enterable in said slot preventing said washer from rotating, and means cooperating between said closure washer and said housing limiting the rotative movement of said housing.

2,472,625
ELECTRIC CIRCUIT BREAKER
Sidney E. Smith, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 23, 1944, Serial No. 536,672
2 Claims. (Cl. 200—113)



1. In an electric switching device, a pair of relatively movable contacts, a tube of insulating material, a slidable sleeve on one end of said tube, means tending to bias said sleeve away from said end of said tube, an over center spring means, and current responsive means arranged electrically in series with said contacts comprising an expansible wire extending through said tube and having one end thereof effectively fastened to the other end of said tube while the other end of said wire is fastened to said over center spring means so as to restrain said first mentioned means and cause said sleeve and tube to effectively act as a unitary force transmitting member, said over center spring means exerting when in one extreme position a force against said sleeve and tube acting as a unitary force transmitting member for holding said contacts in the closed position, said first mentioned means being adapted to move said over center spring means to its other extreme position when a predetermined high value of current flows through said contacts causing extension of said expansible wire, whereby said over center spring means causes relative separation of said contacts, said wire being fusible upon the flow therethrough of currents considerably above said predetermined high value to interrupt the circuit in said tube if for some reason interruption at said contacts does not occur.

2,472,626
FOG INHIBITOR FOR PHOTOGRAPHIC EMULSIONS
William F. Smith and Adrian P. H. Trivelli, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 19, 1947, Serial No. 792,843
6 Claims. (Cl. 95—7)

1. A silver halide emulsion containing a compound having the structure RuX_5 where X is a halogen atom.

2,472,627
FOG INHIBITOR FOR PHOTOGRAPHIC EMULSIONS
William F. Smith and Robert E. Stauffer, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 19, 1947, Serial No. 792,844
3 Claims. (Cl. 95—7)

1. A silver halide emulsion containing palladium nitrate.

2,472,628
PROCESS FOR PREPARING C-ACETYLATED AND O-ACETYLATED COMPOUNDS
John A. Spence, San Pablo, Calif., and Edward F. Degering, West Lafayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application December 5, 1946, Serial No. 714,144
13 Claims. (Cl. 260—473)

1. A process for preparing an O-acetylated compound and a C-acetylated compound comprising reacting ketene with a ketoester selected from those represented by the following general formula:



wherein R and R_1 each represents a hydrocarbon radical, in the presence of at least one basic tertiary amine catalyst, and separating the O-acetylated and C-acetylated compounds.

2,472,629
METHOD OF PREPARATION OF DIMETHYL SILICONE GUMS
Murray M. Sprung, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 11, 1946, Serial No. 676,691
9 Claims. (Cl. 260—46.5)

4. The method of preparing a solid, elastic, curable, polymerized, methyl-substituted polysiloxane containing an average of from 1.98 to 2.0 methyl groups per silicon atom, which method comprises contacting a liquid polymeric dimethylsiloxane containing an average of from 1.98 to 2.0 methyl groups per silicon atom and containing up to 2 mol per cent copolymerized monomethylsiloxane with from 0.1 to 10 per cent, by weight, of an organophosphorus compound represented by the general formula



where R is a hydrocarbon radical selected from the class consisting of alkyl, aryl, alkaryl and aralkyl, and X is a halogen.

2,472,630
COVER MEANS FOR VEGETABLES AND OTHER PLANTS
John Ferguson Stevenson, Belfast, Northern Ireland
Application October 27, 1943, Serial No. 507,798
In Great Britain November 18, 1942
19 Claims. (Cl. 47—29)

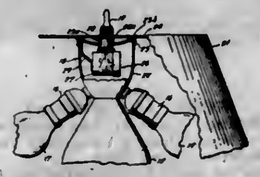


1. A cover means for plants comprising a plurality of cover or frame members having interconnectable edges and complementary interlocking means at said edges whereby the members can be separably attached edge to edge to form a rooflike covering structure, said means comprising projections spaced along the adjacent edges of the members so as to cross each other when the edges are set together and bearing means on each member adapted to be engaged by the corresponding projections on the other member to prevent further relative angular or flattening movement of the members beyond an obtuse angle, and an integral soil-engaging skirt set at an angle at the remote edge of each cover or frame so as to maintain plant head room at said edge.

2,472,631
PALLADIUM COMPLEXES AS PHOTOGRAPHIC EMULSION STABILIZERS
Robert E. Stauffer and William F. Smith, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 5, 1948, Serial No. 13,352
5 Claims. (Cl. 95—7)

1. A silver halide emulsion containing an anionic palladium complex salt selected from the group consisting of alkali metal and alkaline earth metal thiocyanato palladites, alkali metal and alkaline earth metal nitritopalladites, alkali metal and alkaline earth metal bromo-nitritopalladates and ammonium nitritopalladite.

2,472,632
LAMP
David Trompeter, Sandy Hook, Conn.
Application July 2, 1945, Serial No. 602,986
4 Claims. (Cl. 240—123)



1. An electrically wired lamp comprising a main lamp structure, an electrically energizable illuminating means interposed in the circuit constituted by such wiring, a switch carried by said structure and also interposed in said circuit, said switch being inclusive of an operating mechanism having a projected universally rockable actuator, said mechanism operating in response to a rocking of said actuator to condition said switch to reverse the same as between circuit opening and circuit closing condition, a lampshade, and means for operatively connecting said lampshade and said actuator and operably associated with said main lamp structure to mount the lampshade tiltably on the latter, said means being so arranged that a tilt of the lampshade at any point therearound manually casually encountered correspondingly rocks said actuator.

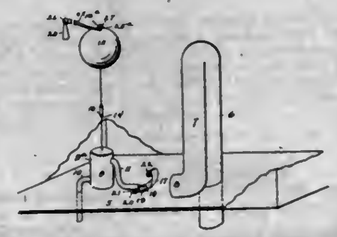
2,472,633
PROCESS FOR ACYLATING AMINES
William P. Utermohlen, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 27, 1945, Serial No. 601,917
17 Claims. (Cl. 260—247)

1. A process for acylating an amine selected from the group consisting of primary and secondary amines comprising condensing the amine with an unsaturated ester of the following general formula:



wherein R represents a member selected from the group consisting of alkyl, aralkyl and aryl groups when R_1 represents an alkyl group and R represents an alkyl group when R_1 represents a member selected from the group consisting of aralkyl and aryl groups, and recovering the acylated amine.

2,472,634
WATER CLOSET FLUSHING MECHANISM
Lewis E. Van Dercar, Miami, Fla.
Application December 6, 1946, Serial No. 714,487
2 Claims. (Cl. 4—44)

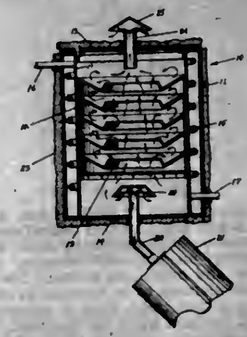


1. The combination with a flushing tank assembly of the character comprising a tank, a discharge siphon tube, and a horizontal jet tube discharging into the mouth of said siphon tube to induce siphonic action therein, of a diverter disposed transversely of and between the mouth of the diverter tube and the mouth of the siphon tube said diverter comprising a curved plate the lower portion of which is pivotally supported so that the plate may swing vertically, the lower portion of the plate having an opening therethrough, a float carried by the plate positioned to hold the plate elevated to a point where the opening therethrough lies in front of the jet tube when said float is submerged, the concave side of said plate being disposed toward the jet tube and the upper portion of the plate presenting a solid portion which gradually moves into the path of the stream from said jet tube as the float descends upon flushing of the tank.

2,472,635
METHOD FOR INHIBITING ACID ATTACK ON BRICK
Martin K. Weber, Berkeley, and Charles E. Nelson, San Carlos, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 3, 1947, Serial No. 781,856
7 Claims. (Cl. 252—145)

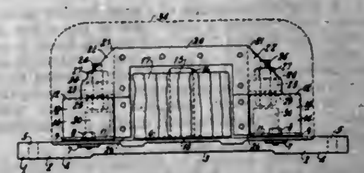
1. In a method for preventing attack on brick surfaces consisting essentially of fired siliceous products by an acid solution coming into contact therewith, the step comprising adding to said solution a quantity of from 0.75 to 5% by weight of a powdered brick material having the same general composition as that of the bricks forming said surfaces.

2,472,636
APPARATUS FOR PREPARING COFFEE SUBSTITUTES
Eugene Weissman, Baltimore, Md.
Application April 26, 1944, Serial No. 532,921
2 Claims. (Cl. 99—236)



1. Apparatus for condensing the aromatic vapors generated in a coffee roaster and providing for the absorption thereof by a coffee substitute material; comprising a condenser including spaced inner and outer vertically disposed imperforate cylindrical walls, a plate secured to the lower ends of said walls and having a fluid-tight connection therewith and the upper ends of said walls having a fluid-tight plate connection, a removable cover supported by the upper ends of said walls, a cooling coil disposed between said walls and having an inlet and an outlet extending through the outer wall, a plurality of material supporting trays disposed within the inner wall in superposed relation and each provided with a central aperture, a coffee vapor inlet tube extending through said bottom plate and terminating below the lowermost of said trays, and an exhaust tube extending through said cover.

2,472,637
VIBRATORY MOTOR
Carl S. Weyandt, Homer City, Pa.
Application December 14, 1946, Serial No. 716,290
3 Claims. (Cl. 172—126)



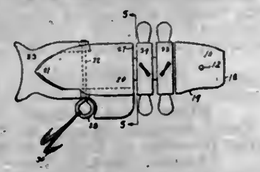
1. A vibrator consisting of a base constructed for attachment to an object to be vibrated, a vibratory motor having an electromagnetic field member and an armature member supported in operative spaced relation to provide a magnetic coupling therebetween, means for securing one of said members to the base, resilient means supporting the other member for vibration relative to the base, and an elastomer means interposed between said other member and the base for directly receiving and transmitting the full impact of the vibratory force to the base.

2,472,638
THERMOSTATIC CONTROL DEVICE
Everett H. White, St. Paul, Minn.
Application March 29, 1946, Serial No. 656,025
6 Claims. (Cl. 177—311)



1. In a thermostatic control device, an insulating base, a bimetallic strip of helical configuration supported on said insulating base, an indicating element, an actuator between said bimetallic strip and indicating element for causing the indicating element to be situated in one position when said bimetallic strip is energized and in a different position when the bimetallic strip is deenergized, a heat absorbing piece of conducting material contiguous with said bimetallic strip, a bimetallic blade supported upon said insulating base in heat exchange relation to said heat absorbing piece, said bimetallic strip, heat absorbing piece and bimetallic blade being conductively connected to each other, and a conducting element for selective engagement with said bi-metallic blade.

2,472,639
WIGGLER
Clarence W. Wickens, Portland, Oreg.
Application July 30, 1945, Serial No. 607,796
2 Claims. (Cl. 43—46)

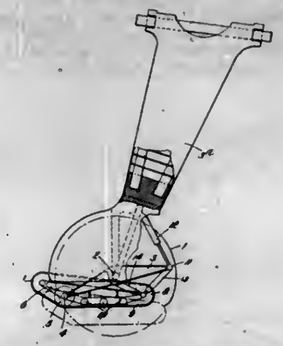


1. A wiggler consisting of a core, having secured on one end thereof a body, and at the other end thereof and spaced from said body a head, a pair of oppositely propelled propellers mounted on said core between said head and body adapted to rotate in opposite directions, said head having a tunnel formed therein, adapted to divert water against said propellers, and means for stabilizing said body.

2,472,640
CLEAR AQUEOUS SOLUTIONS OF TYROTHRICIN
Paul W. Wilcox, Lansdowne, and Bernard B. Jatul, Norwood, Pa., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application February 10, 1945, Serial No. 577,327
9 Claims. (Cl. 167—65)

1. A bacteriostatic composition of matter consisting of a clear, essentially aqueous solution comprising tyrothricin in a concentration greater than its solubility in water, and a water-soluble, non-ionic wetting agent which is a polyoxyalkylene derivative of a partial, long chain fatty acid ester of a hexitol inner anhydride, having at least four ethenoxy groups.

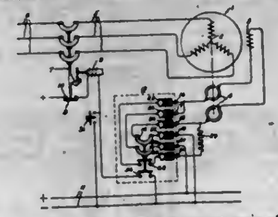
2,472,641
LANDING GEAR FOR AIRCRAFT
Reginald Thomas Wood, St. Albans, England
Application September 9, 1947, Serial No. 772,996
In Great Britain July 17, 1945
5 Claims. (Cl. 244—100)



1. Landing gear for aircraft including in combination, a support for the aircraft when on the ground, at least one pneumatic tyred landing wheel, at least one endless track both carried by said support, a chassis, wheels on said chassis for supporting and driving said track, an axle for said landing wheel, a lever pivoted between its ends to said axle, one end of said lever being connected to the forward end of said chassis and the other end of said lever being connected to the rear end of said chassis, an axle for said landing wheel, a gear wheel mounted on said axle, a countershaft carried by said lever, a gear wheel and sprocket wheel carried by said countershaft, a track driving wheel on said chassis a sprocket wheel mounted on said driving wheel axle, a chain connecting said sprocket wheels, a gear wheel mounted between and connecting the two first mentioned gear wheels, driving means, and a hydraulically actuated clutch for connecting said last mentioned gear wheel to said driving means for imparting an initial velocity to the landing wheel and to the track before either contacts the ground.

2,472,642
SWITCHING CONTROL FOR FIELD WINDINGS OF DYNAMOELECTRIC MACHINERY
John W. Yetter, Lansdowne, and Frederick G. Langer, Jr., Philadelphia, Pa., assignors to General Electric Company, a corporation of New York
Application June 6, 1945, Serial No. 597,822
11 Claims. (Cl. 175—294)

1. In a metal-enclosed switchgear for controlling the field winding of a dynamo-electric machine provided with a field discharge circuit and means for completing said discharge circuit in response to the opening of the circuit of said field winding; a drawout type switch for closing and opening the circuit of said field winding and having manually operable means for effecting withdrawal of said switch, means for opening said discharge circuit upon withdrawal of said switch, and sequential interlocking means including a first movable interlocking element having one position for tripping the switch and means for biasing said element to an alternative position for preventing operation of said withdrawal means until said element is moved to said one position,



and a second interlocking element movable with a time delay to a releasing position and interlocked with said first movable interlocking element for preventing the operation of said withdrawal means for a substantial time interval after the operation of said first movable interlocking element to said one position.

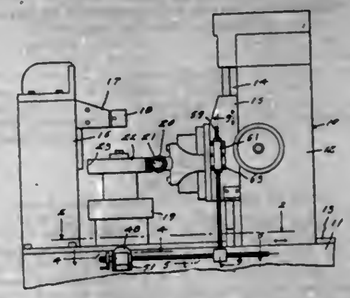
2,472,643
SHOE STITCH REMOVER
Alfred Barbagallo, West Palm Beach, Fla., assignor of one-half to Andrew James Longo, Palm Beach, Fla.
Application July 18, 1947, Serial No. 761,756
5 Claims. (Cl. 12—103)



1. An implement for removing old stitching particles from the welt of a shoe, comprising a handle, a plate attached to the handle, a blade carried by the plate and extending therefrom in a plane perpendicular to a face thereof, said blade being of a length to extend the width of the shoe welt to effect the removal of the old stitching particles when moved lengthwise of and in contact with the top surface of the welt, and a second plate attached to the handle and having spaced parallel relation with the face of the first plate from which the blade projects, said plates being spaced apart to snugly receive the shoe welt between the edge of the blade and the inner face of the second plate.

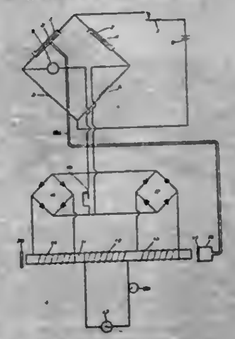
2,472,644
GEAR HOBBING MACHINE ATTACHMENT
John W. Barcus, Baltimore, Md., assignor of fifty per cent to N. R. Kneass, Baltimore, Md.
Application March 17, 1945, Serial No. 583,229
14 Claims. (Cl. 90—4)

1. In combination, a gear hobbing machine including a stationary bed, a horizontally slidable stanchion carried by said bed, a vertically slidable carriage carried by said stanchion, a pair of links, and means pivotally connecting said links together, means pivotally securing one of said links to said bed, and means securing the other



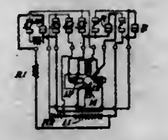
of said links to said carriage whereby said stanchion will move horizontally with vertical movement of said carriage said latter means including means for adjusting said other link means endwise.

2,472,645
THERMAL CONDUCTIVITY ANALYSIS OF GASES
William Jasper Clark, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application September 20, 1945, Serial No. 617,617
In Great Britain October 11, 1944
5 Claims. (Cl. 73—27)



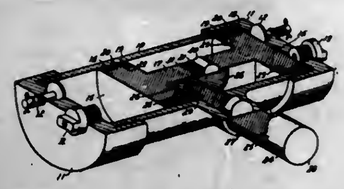
1. In apparatus for the quantitative thermal conductivity analysis of gaseous mixtures at subatmospheric pressure comprising an electrically heated wire, means for enveloping the said wire by the gaseous mixture, and current measuring means adapted to indicate changes in current through the wire, the provision of means for neutralising the effect of pressure changes of the gaseous mixture on the current measuring means, comprising a source of E. M. F., means for varying the E. M. F. in accordance with changes in the pressure of the gaseous mixture within the subatmospheric range and means for applying the E. M. F. to the circuit of the current measuring means.

2,472,646
SPEED CONTROL FOR INDUSTRIAL TRUCKS OR THE LIKE
Clyde E. Cochran, Cleveland, Ohio, assignor to The Elwell Parker Electric Company, Cleveland, Ohio, a corporation of Ohio
Application July 9, 1945, Serial No. 603,977
5 Claims. (Cl. 318—305)



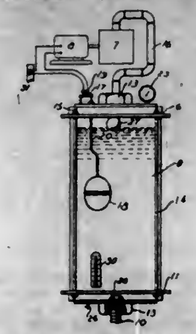
5. In an industrial truck or the like, driving mechanism for said truck including a series wound electric motor having two field windings, one of said windings having a substantially greater number of turns than the other of said windings, a source of electric energy for the motor; and means for controlling the speed of the motor, said means including a manually operable control member, and being operable to consecutively connect said windings in series, to render the longer of said windings only effective and then to connect said windings in parallel as said control member is moved consecutively through three-speed control position.

2,472,647
DOUBLE-ACTING RECIPROCATING PUMP
Meyer Covins, Danville, Ill.
Application May 9, 1945, Serial No. 592,814
1 Claim. (Cl. 103—175)



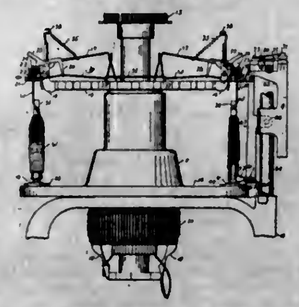
In a pump, a tube of uniform internal diameter throughout its length forming a cylinder, a piston therein having two longitudinally spaced heads connected by a longitudinally extending web having a thickness substantially less than the internal diameter of said cylinder, a slot in said web extending at a right angle to the longitudinal axis of the piston, a hollow boss extending outwardly from the wall of said cylinder forming a bearing, a shaft journaled in said bearing and extending into the interior of said cylinder, a crank arm removably secured to the inner end of said shaft and positioned between said web and the inner wall of said cylinder, the surface of said crank arm adjacent the inner wall of said cylinder being of curved configuration to provide clearance between said crank arm and the curved inner wall of said cylinder while said crank arm is at a right angle to the longitudinal axis of said cylinder during rotation of said shaft and crank arm, and a crank pin on the free end of said crank arm positioned in said slot.

2,472,648
PUMP PRIMER
James M. Cox, Fall River, Mass.
Application September 28, 1945, Serial No. 619,647
3 Claims. (Cl. 103—113)



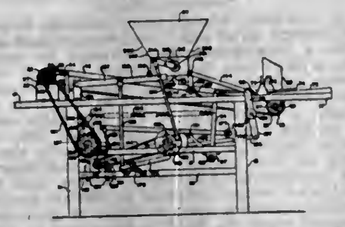
1. A pump primer comprising a pump, a primer mounted on and in operative communication with the pump, including a transparent shatter-proof body, with fluid inlet and outlet openings, a float engaged with the body and movable to cut off passage of fluid from the body when the fluid in the body reaches a predetermined level, and a free float independent of the first said float and operable to seat against the outlet opening to prevent passage of fluid from the body, in the event of failure of said first float.

2,472,649
WRAP YARN CONTROLLED STOP MOTION MECHANISM FOR KNITTING MACHINES
Clyde William Cox, High Point, N. C., assignor, by decree of distribution, to Ethel W. Cox
Application August 11, 1947, Serial No. 767,979
5 Claims. (Cl. 66—158)



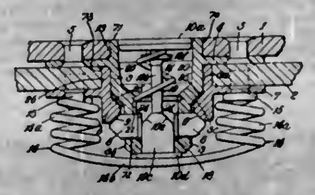
1. In a knitting machine having a revolving wrap stripe mechanism disposed thereabove and comprising a table supported by the revolving wrap stripe mechanism, the table having mounted on the upper side thereof a plurality of vertically disposed holders for holding yarn cones filled with wrap yarn, each of the holders being slotted vertically and having a member pivoted in the slot near its lower end, each of the holders having outwardly biased resilient means for engaging the interior of the lower end of the cone, the yarn cone fitting over a holder having a slot in one side thereof coinciding with the slot in the holder, the yarn wound on the cone serving to hold the pivoted member in the holder in elevated position and preventing its falling out through the slot in the tube due to centrifugal force, stop motion actuating mechanism disposed adjacent the periphery of the table for engagement with the pivoted member when it moves under centrifugal force outwardly through the slot in the yarn tube to approximately horizontal position to actuate the stop motion actuating mechanism to stop the machine.

2,472,650
CONFECTION MAKING MACHINE
Harvey P. Curlee, near Charlotte, N. C.
Application April 11, 1947, Serial No. 740,854
7 Claims. (Cl. 91—3)



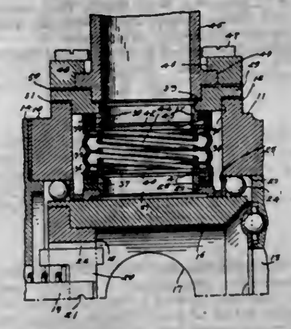
2. In a depositing machine for delivering a confectionery filling on articles to be deposited, the combination with a conveyor mechanism for advancing said articles intermittently past a depositing station, of a depositing mechanism at said station comprising a hopper adapted to contain a supply of filling material, means for delivering said filling material from said hopper onto said articles during the intermittent rest at said depositing station, and means for moving said hopper in the direction of advancement of said articles during delivery of filling material and while the articles are at rest, and for returning the hopper to starting position during the intermittent advance of said articles by said conveyor structure.

2,472,651
FASTENER
Herbert Edward Diaper, Bitterne, Southampton, England, assignor to Aviation Developments Limited, Garden City, Hertford County, England, a British company
Application March 15, 1944, Serial No. 526,593
In Great Britain March 17, 1943
6 Claims. (Cl. 24—221)



1. A fastener for securing two panels together comprising a tubular projection secured to one panel, locking means carried by said tubular projection and being arranged to move substantially laterally of said tubular projection, a press-button member carried by said tubular projection and movable substantially axially thereof, said press-button member having an enlarged portion for projecting said elements when moved therebetween, and a narrow portion for permitting the elements to be retracted when the enlarged portion is shifted out of the way, spring means reacting between said tubular projection and press-button member tending to move the enlarged portion out of the way of said elements, and means on the other panel arranged to move said press-button member against the action of said spring means to a position where the enlarged portion projects said locking elements.

2,472,652
BELLOWS SEAL FOR VALVE PLUGS
George T. Downey, Corry, Pa., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa.
Application May 14, 1945, Serial No. 593,702
2 Claims. (Cl. 251—113)

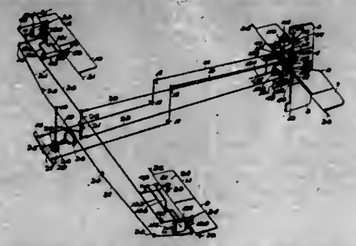


1. In a valve assembly including a housing formed with a central intake port, a plurality of outlet ports, and a cylindrical valve plug opening at one end in the direction of said intake port and formed with a discharge port for registry with a selected outlet port; a sealing means for each outlet port comprising an expansible tubular member formed with inwardly extending reverted opposite ends, a ring at each end of said tubular member, a cylindrical flange carried by each ring engaging in the annular channel formed by said reverted ends, and an expansible spring between said rings interiorly of said tubular member and constantly urging the latter to expanded sealing position with respect to said outlet port and said valve plug.

2,472,653
FLUID PRESSURE CONTROL MECHANISM
Wilfred A. Eaton, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application May 27, 1944, Serial No. 537,707
12 Claims. (Cl. 244—82)

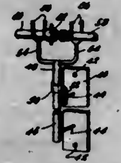
1. Mechanism for controlling the direction of movement of a body in a fluid medium including a manually operable control surface movably mounted on the body, a second control surface separately mounted on the body for movement independently of the first named surface, a power actuator for moving the second control surface,

and means controlled by movement of the first named control surface relative to the body and



independently of said second surface for controlling the supply of power to said actuator.

2,472,654
PIPE-LINE SUPPORT
Herman G. Engelke, West Bend, Wis., assignor to Engelke Engineering, Incorporated, Hartford, Wis., a corporation of Wisconsin
Application November 1, 1946, Serial No. 707,238
3 Claims. (Cl. 248—161)



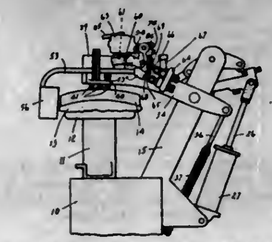
2. A pipe line support including a pillar, support means for said pillar, a support head detachably carried by said pillar, said support head comprising a rod telescopingly engaging said pillar, fastening means for adjustably securing said support head upon said pillar, a pipe line support fork on said support head, said support means including a bracket and an attaching means securing said pillar to said bracket, said attaching means including a pair of transverse pins, said fastening means including a collar and a depending hook, one end of said hook being mounted on said collar to rigidly retain it on said rod, the other end of said hook engaging a transverse pin to firmly retain the rod in vertical position.

2,472,655
BOTTOM FOR METALLURGICAL FURNACES
Theodore M. Fairchild, Johnstown, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application August 5, 1944, Serial No. 548,395
1 Claim. (Cl. 266—43)



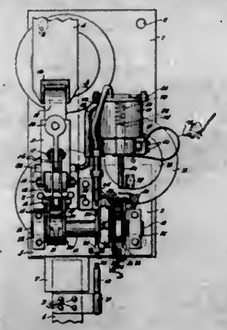
A bottom for a heating furnace having a surface comprising rows of chrome bricks alternating with rows of magnesite bricks.

2,472,656
PRESSING MACHINE HEAD CONTROL
Harry D. Forse, Anderson, Ind.
Application June 5, 1941, Serial No. 396,678
12 Claims. (Cl. 38—27)



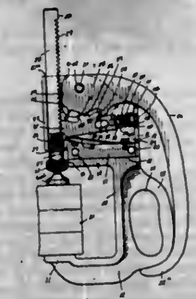
3. In a press, a head support movably mounted for moving a pressing head toward and away from a buck, fluid pressure means for moving the support into head pressing position, valve means controlling the application, maintenance, and release of fluid pressure to and from said means, a manual control for said valve means to initiate fluid pressure application, time controlled means to initiate automatically the release of fluid pressure following expiration of the predetermined pressing interval, said time controlled means including an electric device, a switch controlling same normally in open circuit position when the head is open and in closed circuit position when the head is closed or in buck engagement, and means operable by the device for valve means operation for fluid pressure release after a predetermined pressing interval has elapsed.

2,472,657
MEANS FOR DISCONNECTING A FAULTED FEEDER CIRCUIT FROM A POWER CIRCUIT
Fraser W. Gay, Metuchen, N. J.
Application May 8, 1945, Serial No. 592,620
4 Claims. (Cl. 200—108)



2. In combination, a spring opened disconnecting switch, releasable latch means for holding said switch closed, a spring actuated trip member operative to strike and release said latch means, electro-magnetic means for retracting said trip member against the tension of its actuating spring preparatory to operative strokes thereof, said electro-magnetic means being adapted to be energized by fault currents, and a blocking member comprising a pivoted weight of considerable inertia carrying a blocking lug adapted to be normally disposed thereby between said trip member and latch means, said blocking member being adapted to be turned about its pivot under impact of said trip member upon said blocking lug so as to swing the latter out of the path of tripping movement of the trip member, and thereby permit said trip member to be again retracted and released by said electro-magnetic means if the latter is again energized by a fault current, whereby to effect a non-blocked tripping stroke of said trip member, said blocking member being counterbalanced so as to slowly swing back to normal initial blocking position.

2,472,658
RACK AND PAWL ACTUATED QUICK-ACTING CLAMP
Clyde L. Gilbert, Elkhart, Ind.
Application August 17, 1945, Serial No. 610,924
5 Claims. (Cl. 144—305)



1. In a clamp structure having an anvil and a work clamping head movable toward and away from same, the combination of a reciprocable rack toothed member supporting the head, a lever pivotally mounted in spaced relation to the member, a multiple-toothed member movable toward and away from the rack toothed member for tooth engagement and disengagement, lever operable cam means for moving the second mentioned toothed member toward the anvil for effecting rack member and head movement toward the anvil for work clamping purpose, said lever operable cam means and said multiple-toothed member each having a pair of spaced opposed shoulders, the spacing of one pair being different from that of the other pair of shoulders, and means normally constraining said multiple-toothed member toward rack engagement, lever operation retracting the multiple-toothed member in opposition to the constraining means, at least two teeth of the multiple-toothed member having engagement with the rack toothed member when the latter exerts pressure upon the head.

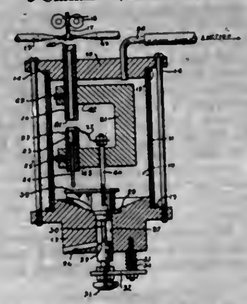
2,472,659
TORQUE TOOL WITH YIELDING DRIVE
John J. Greer, Conimicut, R. I.
Application February 8, 1945, Serial No. 576,827
2 Claims. (Cl. 81—52.4)

1. In a torque tool, a work engaging member through which movement is transmitted to the work, a cam secured to said member, a handle rotatably mounted relative to said member and with the axis thereof extending coaxial with the axis of said member, spaced flat springs secured to said handle to move therewith and engaging said cam for opposing relative rotation between said handle and said member but moved apart



by said cam under certain pressure to permit relative rotation between handle and member, and a movable collar surrounding and engaging said springs and movable lengthwise thereof for varying the effective length of said springs.

2,472,660
APPARATUS FOR MOLDING GLASS
Harrison P. Hood, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application February 25, 1944, Serial No. 523,874
3 Claims. (Cl. 49—29)



1. In a glass shaping apparatus, a closed chamber, a vertically disposed gob delivery tube having its delivery end terminating inside said chamber, an open top mold within said chamber arranged below and spaced from the delivery end of said tube, and a suction line in communication with said chamber for creating a subatmospheric pressure therein to accelerate the delivery of a gob to said mold.

2,472,661
RESINOUS INTERPOLYMERS
Reynold E. Holmen, Ann Arbor, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 29, 1946, Serial No. 713,115
7 Claims. (Cl. 260—73)

1. A process of preparing resinous interpolymers which comprises heating to an interpoly-

merizing temperature (A) from 30 to 65 parts of monomeric dimethallyl maleate (B) from 10 to 55 parts of a monomeric diester resulting from the esterification of methallyl alcohol with a dibasic acid selected from the group consisting of succinic, adipic, sebacic and azelaic acids and their methallyloxy derivatives, and (C) from 15 to 25 parts of monomeric styrene.

2,472,662
SUSPENSION CLAMP
Wilbert W. King, Bellevue, Ohio
Application July 31, 1947, Serial No. 765,140
2 Claims. (Cl. 294—112)

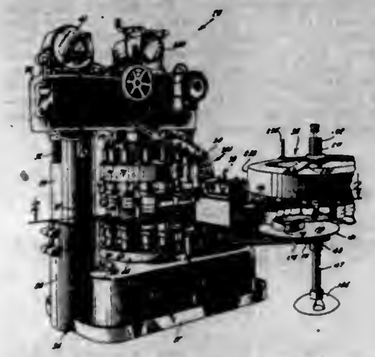


1. A suspension clamp comprising a rod removably secured to a supporting structure, a clevis adjustably carried by said rod, an elongated member pivoted at one end to said clevis and depending therefrom, a pair of upper links having inner ends pivoted to opposite sides of said member, a pair of elongated clamping members having upper terminals pivoted to the outer ends of said upper links, gripping jaws carried by the lower terminals of said clamping members, a pair of elongated lower links having outer ends pivoted to said clamping members medially the length of said clamping members, said lower links being pivoted adjacent their inner ends to the lower end of said member, said member having a slot, a pin slidably mounted in said slot, and a pair of pitmans connecting the pin to the inner ends of said lower links.

2,472,663
CATTLE FEED
Carl Wilhelm August Kleine and Milena Regina Stella Kleine, Stockholm, Sweden
No Drawing. Application June 19, 1946, Serial No. 677,905. In Sweden November 20, 1940
5 Claims. (Cl. 99—2)

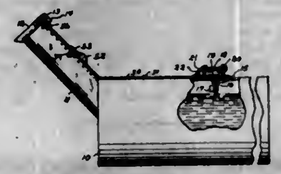
1. A cattle-feed comprising highly dispersed particles of fats of both vegetable and animal origin, glycerides of palmitic acid, of stearic acid and of the higher unsaturated fatty acids being present in the relative proportions by weight of 21 to 30 per cent, 5 to 15 per cent and 35 to 70 per cent, respectively, the fat mixture having a melting point within the range of 20° to 40° C., not over 25 per cent of said fat particles having a diameter exceeding 30 microns, the free fatty acid content of said fats not exceeding 3 per cent by weight, the bulk of the fats present being of animal origin.

2,472,664
APPARATUS FOR CAPPING CONTAINERS
Frank W. Krueger, Atherton, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application July 3, 1944, Serial No. 543,236
8 Claims. (Cl. 226—116)



1. An apparatus for vacuum capping containers which comprises: a table for supporting a container; a cylinder disposed above said container and in axial alignment therewith to provide a steam chamber; a plunger axially slideable in said cylinder; a capper provided on the bottom of said plunger; annular seal means on said cylinder surrounding the lower end thereof and adapted to engage said container; means causing relative vertical movement between said cylinder and said container supporting table to bring the upper end of said container and said seal means into sealing engagement, there being opening means in the wall of said cylinder for admitting steam thereto; and means operating in timed relation with said movement means for lifting said plunger upwardly in said cylinder so as to uncover said opening means and fill said chamber with steam between said capper and the upper end of said container when the latter engages said seal means and for then moving said capper downwardly to apply said cap to said container while surrounded by an atmosphere of steam.

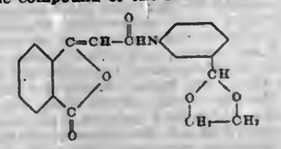
2,472,665
LIQUID LEVEL SIGNAL DEVICE FOR TANKS
Bruce Ladner, New Orleans, La.
Application May 23, 1947, Serial No. 750,012
2 Claims. (Cl. 177—311)



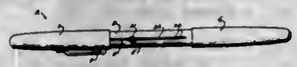
1. In combination, a gasoline tank having a visible spout extending upwardly therefrom, a cover hinged to the outer end of the spout and adapted to be lifted to fill the gasoline tank, a push button switch associated with the spout and adapted to be engaged by the cover to cause it to be opened, a float switch device mounted on the top of the tank and having a float adapted to extend downwardly into the tank for engagement with the surface of the gasoline as the gasoline rises to a substantial elevation within the tank, switch terminals adapted to be bridged by the float, a light signal indicator mounted upon the visible spout to give an indication and to radiate light rays through the spout so that the level of the gasoline therein can be more readily seen as under dark conditions, an electric source and wires leading from the electric source to the switches and the light signal, whereby first a light signal will be given as the gasoline nearly fills the tank and then a visible view can be had of the gasoline within the spout to determine accurately the height of the gasoline within the tank with the aid of the light rays.

2,472,666
PRODUCTION OF DYE INTERMEDIATES
Robert Mitchell Leekley, Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 16, 1946, Serial No. 670,309
4 Claims. (Cl. 260—338)

3. The compound of the formula:



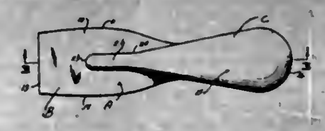
2,472,667
MANICURING DEVICE
Maurice J. Lessard, Grand Forks, N. Dak.
Application October 20, 1947, Serial No. 780,986
2 Claims. (Cl. 132—74.5)



1. In a manicuring device, a barrel portion enclosing a reservoir and having an open end and a longitudinally-extending slot falling short of said open end; a nozzle detachably secured to said barrel with the opening therethrough in communication with said reservoir; means to force nail coating material from the reservoir through the opening through said nozzle including an arm, a toothed projection carried thereby and extending outwardly of said barrel portion, said arm having a portion extending into said slot, a piston within said reservoir; means detachably securing said arm to said piston; a nail file having a member at its inner end, constructed and arranged to close said open end, and means detachably securing said member to said barrel to close said open end, and having its other end constructed and arranged to extend between the teeth of said projection when detached from said barrel portion.

2,472,668
PUTTY KNIFE
Frank B. Lewandowski, Detroit, Mich.
Application February 7, 1946, Serial No. 646,160
2 Claims. (Cl. 30—169)

1. As an article of manufacture a scraping device comprising an integral blade and handle wherein the blade is of flat formation and the handle projects from the top surface of the blade entirely to one side of the plane of the blade, the handle being hollowed throughout the length



thereof and defining a recess which is exposed at the under side of the scraper, the handle furthermore having its lower edges beyond the blade lying flush with the plane of the blade.

2,472,669
PREVENTING COKE FORMATION IN PREHEATER TUBES
Eugene V. Mathy, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 2, 1945, Serial No. 626,432
2 Claims. (Cl. 196—47)

1. A process for heating and vaporizing in the absence of a catalyst and to a vapor phase catalytic cracking temperature a gas oil charge stock consisting essentially of a wide cut gas oil having a boiling range of 400° to 750° F. in a tube heater with substantially no deposition of coke on the heater tube walls comprising adding to said gas oil to be heated and vaporized a liquid non-coking oil in an amount of from 1 to 10 per cent by volume of the charge oil, said non-coking oil having an average boiling point above 1050° F. and above any temperature in excess of 1050° F. to which the subsequently formed gas oil vapors are heated, passing this mixture of oils into the heating coil tube, heating said mixture therein to a temperature at which the gas oil is substantially completely vaporized without cracking and the noncoking oil remains as liquid, and removing the gas oil vapors and the liquid non-coking oil from the heating and vaporizing coil.

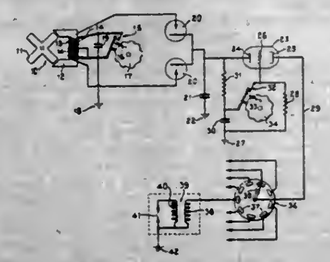
2,472,670
HAND TRUCK
James McFarland, Racine, Wis.
Application March 26, 1946, Serial No. 657,781
3 Claims. (Cl. 214—65.4)



1. In a two-wheeled hand truck, a frame comprising two parallel upright members, each bent so as to form three sections arranged at angles to each other with the extremities of the uppermost pair of said sections constituting a pair of

handles, a plurality of transverse members interconnecting said upright members, including a cross member located in the proximity of the lowermost bends in said upright members and a concave member having its extremities bent backward and interconnecting said upright members at the lower ends thereof, an intermediate upright member supported by the transverse members including said concave member and disposed between the lower portions of said first two upright members, an upturned hook carried by said intermediate member, and adjustable fastening means for connecting said hook to said intermediate member in any of a plurality of positions thereon.

2,472,671
ELECTRICAL APPARATUS
John V. McNulty, Binghamton, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application March 15, 1945, Serial No. 582,890
10 Claims. (Cl. 315—213)

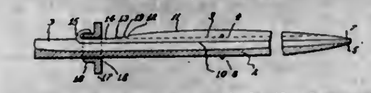


1. In an ignition system or the like, a storage condenser, a second condenser, means for charging said condensers, a spark gap, a normally nonconductive electronic discharge device connected between said storage condenser and said gap, and means including a periodically and mechanically operable circuit maker for operably connecting said second condenser to said device for rendering said device conductive to the discharge of said storage condenser.

2,472,672
VINYL SULFONE-DIENE INTERPOLYMERS
Charles J. Mighton, Christiana Hundred, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 16, 1945, Serial No. 594,179
10 Claims. (Cl. 260—86.5)

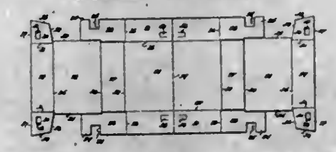
1. An interpolymer obtained by polymerizing a mixture of from 15 to 60 parts by weight of a monovinylsulfone and from 85 to 40 parts by weight of a polymerizable diene containing conjugated double bonds in the 1,3-position, said monovinylsulfone having the general formula $RSO_2CH{=}CH_2$, wherein R is a monovalent hydrocarbon radical of the group consisting of monovalent aromatic and aliphatic, including cycloaliphatic, hydrocarbon radicals containing not more than eight carbon atoms, said polymerization being effected in aqueous emulsion in the presence of a water-soluble salt of an inorganic per-acid, an oxidizable sulfur compound, and an emulsifying agent.

2,472,673
SCREW DRIVER HAVING EXPANDING SCREW HOLDING BIT
Edward L. Millen, Brookline, Mass.
Application October 11, 1945, Serial No. 621,749
1 Claim. (Cl. 145—50)



A screw driver having a blade, the free end of which is adapted to be mounted in a screw slot, said blade having a recess formed longitudinally in it, a tongue positioned therein, means pivotally mounting said tongue on an axis perpendicular to the recess, the bottom of said recess being spaced from the bottom of the tongue, whereby the tongue may be moved about the pivot point, said tongue having a shape at the free end of the blade to form with the blade a continuous surface when the tongue is in an inward position, said tongue at the other end terminating in a hooked section with the end portion bent over the tongue and spaced from the surface of the blade and a section adjacent the hooked section flush with the surface of the blade and a further section adjacent the last mentioned section having a shoulder rising above the surface of the blade, a collar normally positioned on the blade in said flush section, said collar having a cam shape whereby when moved under the top portion of said hook, it will engage within the hook and raise it, thereby depressing the other end of the tongue into said inward position, and when said collar is moved in the other direction it will ride on said shoulder, depressing the same to raise the other end of the tongue out of the recess.

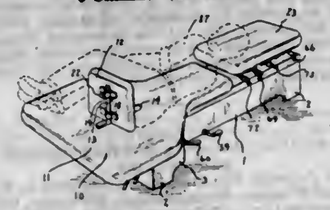
2,472,674
DUPLEX BOX OR CARTON
Emil Morand, Jersey City, N. J.
Application October 31, 1947, Serial No. 783,366
6 Claims. (Cl. 229—36)



1. A duplex box formed from a blank of paper stock, said box comprising flat bottom and erect side panels, each side panel having end wall sections extending longitudinally from each end thereof and in-folded to stand across the ends of said bottom panel between said side panels, the meeting end portions of opposed end wall sections having cooperative means for interengaging the same in coupled together relation, a relatively foldable, longitudinally sequential arrangement of connected exterior end panel, top panel and interior end panel extending from each end of said bottom panel, each interior end panel having foldable side flaps laterally extending therefrom, each said arrangement being adapted to be infolded so that the exterior end panels respectively stand in external overlying relation to adjacent joined end wall sections and so that the top panels close the box top with the interior end panels inserted within and so as to stand in face to face relation across the box interior midway its ends and with their side flaps extending right angularly inwardly therefrom to internally overlie the

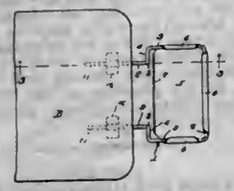
side panels, and a line of weakening perforations extending across the box medially of the inserted interior end panels, whereby to permit division of the box, by rupturing the same along said line of perforations, into two completely closed separate box members.

2,472,675
SIDE POSTURE CHIROPRACTIC ADJUSTING TABLE
Alfred L. Mueller, Hoopeston, Ill.
Application October 31, 1946, Serial No. 706,905
5 Claims. (Cl. 311—7)



1. In a table of the class described, a base, a body rest pivoted on said base for vertical swinging into upright position and for lowering into substantially horizontal position and having a tail end portion disposed lowermost when said rest is in upright position, a seat on said portion at a right angle thereto for supporting a patient in sitting position when said rest is upright and with the legs of the patient bent and one side of the body of the patient opposed to said rest for lowering of the patient in sitting side posture position with the body reclining against said rest and the legs bent, said portion being widened relative to the remainder of said rest at both sides of said rest and said seat being relatively narrower than said portion and disposed in the longitudinal center of said rest to provide for supporting in bent position the legs of the patient being lowered with the patient occupying the seat with either side opposed to said rest, and pressure means for swinging said rest.

2,472,676
SMOOTHING IRON HOLDER
William Branch Nunnally, Sr., Atlanta, Ga.
Application February 27, 1946, Serial No. 650,428
2 Claims. (Cl. 248—117.1)



1. As an article of manufacture attachable to an ironing board, a holder for smoothing irons, comprising a frame, formed from a single length of material and including a transverse frame member, side frame members, inturned short frame members, all of said members being in the same plane, yokes dependent from the short frame members, and extensions on the yokes, an iron-supporting plate carried by the frame, the plate having edge portions inturned for clamping engagement with the transverse frame member and side frame members, and attaching plates connectable to the ironing board, the attaching plates having channels and bottom openings communicating therewith, the extensions being extended through the channels, and portions of the yokes being extended through the bottom openings.

2,472,677
DRAIN COCK
Delbert L. Phillips, Culver City, Calif., assignor to William R. Whittaker, William S. Whittaker, Beulah Whittaker, Robert M. Vandegrift, Roger D. Vandegrift, and Delbert L. Phillips, copartners doing business as Wm. R. Whittaker Co., Ltd., Los Angeles, Calif.
Application June 4, 1945, Serial No. 597,503
7 Claims. (Cl. 251—51)



1. In a device of the character described, the combination of: a valve body provided with a passage and provided with a guide defining a plane which traverses said passage; a rib on said body, said rib being parallel to said guide and having a surface arched in a direction perpendicular to said plane; a plate slidable in said guide transversely of said passage to vary the extent of opening of said passage; and means carried by said plate and slidably engaging said arched surface for releasably retaining said plate in any desired position in said guide.

2,472,678
CARTRIDGE CLIP
Earl C. Pickron, Creston, Iowa
Application December 31, 1946, Serial No. 719,451
2 Claims. (Cl. 42—87)

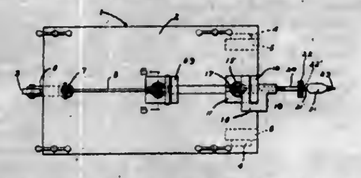


1. A cartridge clip for attachment to a gun stock comprising an elongated tube having an open front end, a bore slidably receiving cartridges therein, a rear end wall inclined forwardly relative to the longitudinal centerline of the tube, an opening in the side of said tube extending forwardly from the forward edge of said end wall a distance less than the length of a cartridge and circumferentially of said tube a distance sufficient to permit grasping a cartridge in the rear end of said tube between a thumb and forefinger, said end wall having a pair of wings disposed one at each side of said opening and inclined forwardly to hold cartridges in said clip against accidental spilling, a screw cap closing the forward end of said tube, and a pair of brackets secured to said tube, one near each end thereof, and adapted to be secured to a gun stock.

2,472,679
SUPPORT FOR DRILLS
William Pilkington, Beckley, W. Va.
Application March 7, 1946, Serial No. 652,572
1 Claim. (Cl. 77—54)

In a drill structure, a vertical standard having flat side faces a U-shaped bracket disposed

horizontally in straddling relation to said standard with its arms extending across the flat side faces thereof, a set screw passing thru a threaded opening in one arm for engaging the confronting side face of the standard and releasably securing the bracket in a vertically adjusted position upon the standard, the other arm being shorter than the first arm and carrying a lateral extension projecting outwardly from the bracket midway the width of the standard and formed with a longitudinally extending threaded bore



leading from its outer end, a shaft extending from the extension longitudinally thereof and being threaded from its inner end and screwed into the bore, a wheel for turning said shaft rigid with the outer end thereof and formed with a recess at the center of its outer face, and a drill extending longitudinally of the shaft and having a longitudinally extending stud projecting from its rear end and engaged in the recess of said wheel to hold the drill in alignment with the shaft.

2,472,680

PROCESS OF MAKING COATING COMPOSITIONS USING POLYETHYLENE COATED PIGMENTS

Burt Carlton Pratt, Brandywine Hundred, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 13, 1945, Serial No. 577,732

3 Claims. (Cl. 260—41)

1. A process which comprises stirring finely divided metallic particles in a hot organic solvent solution of solid polymer consisting of polymerized ethylene, cooling the mixture to coat the metallic particles with a film of said polymer, and dispersing the coated metallic particles in a film-forming vehicle other than said polymer, said film-forming vehicle being a non-solvent for said polymer and being capable of drying to a continuous coherent solid film.

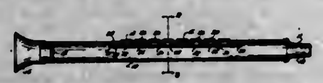
2,472,681

TOY MUSICAL INSTRUMENT

Gustave Froll, Newark, N. J.

Application January 31, 1947, Serial No. 725,656

2 Claims. (Cl. 84—375)



1. A toy musical instrument comprising a tubular body closed at one end and having a mouthpiece at its opposite end, said body having a plurality of spaced air emission apertures therealong, a carrier member of substantial thickness, said carrier member having a transversely convex top surface conforming to and sealed to the concave interior surface of said tubular body beneath the air emission openings thereof, said carrier member having a flat under face and being provided with longitudinal resonance chamber forming openings of substantial depth extending between its under and top sides, said openings being spaced correspondingly to the spacing of said body apertures respectively for communication therewith, slideway means contiguous to and extending along the said flat under face of said carrier member, and a flat reed plate having a plurality of longitudinally disposed tuned reeds spaced therealong, said reed plate being slidably entered in said slideway means so as to be disposed in face to face abutment against the said flat under face of said carrier member with the reeds respectively resonance aligned with the bottom ends of the resonance chamber forming openings of said carrier member, whereby adjacent resonance chambers are sealed against intercommunication.

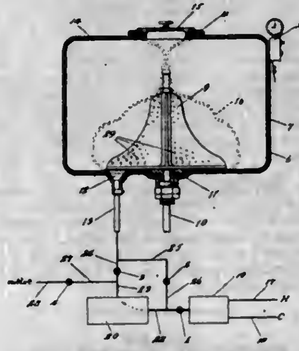
2,472,682

WASHING MACHINE WITH SQUEEZER EXTRACTOR

Henry J. Rand, Fairfield, Conn., assignor to H. J. Rand Washing Machine Corp., Cleveland, Ohio, a corporation of Delaware

Application July 9, 1946, Serial No. 682,322

14 Claims. (Cl. 68—21)



1. A washing machine comprising a tub, a flexible air- and watertight lining for said tub, an opening in said tub and lining for the insertion and removal of clothing, and air- and watertight closure for said opening, an impeller inside of said tub and lining which may be operated to wash the clothes, means for pumping water into said lining, and means for pumping water and air out of said lining whereby said clothes may be dried by the pressure of the lining against the clothes due to atmospheric pressure against the outside of the lining.

2,472,683

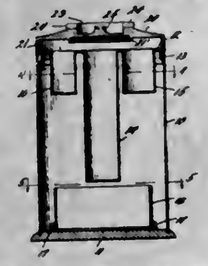
CONTAINER FOR BATHROOM SUPPLIES

William D. Richardson, Ontario, Calif.

Application December 6, 1944, Serial No. 566,876

4 Claims. (Cl. 312—31.1)

1. A container for bathroom supplies, comprising a casing elliptical in horizontal cross-section, a fixed annular shoulder inside the casing at its upper end, an elliptical top member closing said casing and resting at its periphery on said shoulder, said top member having a deep integral pocket for receiving a toilet bowl brush and shallow integral pockets at opposite sides of the deep pocket for receiving cleaning preparations and an elliptical lid for the casing, said lid resting on



said shoulder and having an annular flange encircling the upper end of the casing and matching with the outer wall of the casing.

2,472,684

PROCESS FOR REMOVING CORROSION PRODUCTS FROM SURFACES CONTAINING HEAVY METALS

Carlo Rossi, Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm

No Drawing. Application February 10, 1947, Serial No. 727,720. In Switzerland February 8, 1946

Section 1, Public Law 690, August 8, 1946

Patent expires February 8, 1966

8 Claims. (Cl. 252—105)

1. A process for removing corrosion products from surfaces containing heavy metals which are resistant to the action of alkaline solutions, which comprises treating the said surfaces with an alkaline aqueous solution of a member selected from the group consisting of polyhydroxybenzenes and polyhydroxydiphenyls, each of which contains at least two adjacent hydroxy groups, and their carboxylic acids, all these compounds being free from substituents other than hydroxy and carboxylic acid groups.

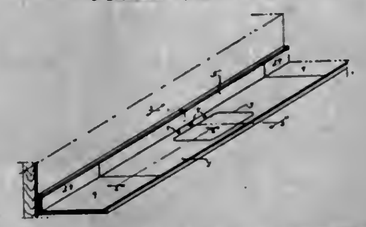
2,472,685

KITCHEN CABINET STRUCTURE

George Scharmer, New Milford, N. J.

Application June 6, 1946, Serial No. 674,688

6 Claims. (Cl. 4—189)



1. A kitchen cabinet table top comprising a base of plywood having an opening, a flat rim sink registered with said opening with the rim extending beyond the edges of the opening, a plurality of clamps fastened to said base with one end engaging said rim and the other end engaging the underside of the base, and a drainboard consisting of a sheet of stainless metal on the upper surface of said base, said drainboard having an opening registering with the opening in said base and having a wall extending downwardly into contact with said rim.

2,472,686

CASTER

Ory L. Snyder, Newark, N. Y., assignor of forty-nine per cent to The Dexter Company, Fairfield, Iowa, a corporation of Iowa

Application November 17, 1943, Serial No. 510,633

6 Claims. (Cl. 16—44)



1. A caster comprising a first bracket, a stem fixedly secured to said bracket, second bracket, a wheel pivotally connected with said second bracket, a lateral pivot member connecting said brackets to permit relative movement therebetween under action of the supported load, and a spring member carried by said pivot member to engage the brackets respectively and adapted to support the normal maximum weight of the supported unit upon said caster and to hold said unit in resilient suspension, said stem bracket having depending sides to straddle and overlap the sides of said wheel bracket, said brackets having overlapping end walls adjacent said members, said sides and walls forming a chamber to confine said members therein and to protect the same from damage and to divert moisture away therefrom, said stem bracket also having an overhanging canopy to drain moisture from said bracket at a point remote from said members.

2,472,687

ANTISPLASH DEVICE FOR ATTACHMENT TO THE HEELS OF SHOES OR THE LIKE

Elizabeth Wellwood, Robert John McBride, William James Greer, and Joseph Wellwood, Belfast, Northern Ireland

Application March 23, 1946, Serial No. 656,630

In Great Britain April 6, 1945

4 Claims. (Cl. 36—76)



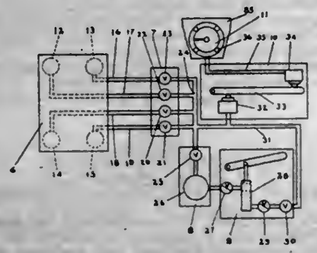
1. An anti-splash device especially for ladies' shoes comprising a member attachable to the wearing surface of the heel and provided with studs having a relatively small ground-contact surface to obviate any suction effect with the ground surface which tends to throw up mud, and means for detachably holding said member in position on the heel, said means comprising heel-gripping elements, of which, at least one is slidable relative to said member and transversely of the heel so that the device can be fitted to heels of different widths, and a rubber strap interconnecting said elements and, when the device is fitted to a heel, embracing the heel and urging the gripping elements firmly against the heel.

2,472,688
DISPENSER HAVING STEP-BY-STEP ROTATING VALVE WITH MEANS TO PREVENT REVERSE ROTATION THEREOF
Frank K. Wydra, Chicago, Ill.
Application March 26, 1946, Serial No. 657,207
1 Claim. (Cl. 222—248)



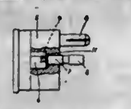
In a measuring and dispensing device of the type including a receptacle having a cover plate with a feed opening therein, a bladed rotor adapted to fit in the receptacle and be rotated in one direction therein, said rotor having a stem journalled in said cover plate, and an apertured reverse rotation plate fitted around said stem between said cover plate and rotor with tongues thereon engaging the edge of said cover plate at said opening to anchor the reverse rotation plate to said cover plate, said reverse rotation plate having a depending resilient ratchet tongue for wipingly engaging the blades of the rotor and flexing downwardly between the same to block reverse rotation of the rotor.

2,472,689
FLUID WEIGHING SYSTEM
Harold A. Adams, Bakersfield, and Merrill Eichelberger, Kernville, Calif., assignors to E. A. B. Incorporated, a corporation
Application October 7, 1944, Serial No. 557,676
2 Claims. (Cl. 265—47)



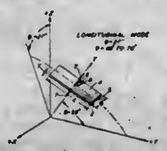
2. Plural fluid pressure responsive vessels; control valves; a fluid pressure responsive mechanical movement; a single registration dial; a single step-by-step incremental force indicating pointer; a piping system connecting said plural pressure responsive vessels with said control valves and said pressure responsive mechanical movement; a fluid functioning within said plural pressure responsive vessels, said control valves, said fluid pressure responsive mechanical movement and said piping system; means connecting said fluid pressure responsive mechanical movement to said single registration dial and said step-by-step incremental force indicating pointer whereby the single registration dial and single indicating pointer may be selectively energized by the operation of said control valves to indicate both the individual and total loads sustained by the plural fluid pressure responsive vessels.

2,472,690
ELECTRICAL PLUG
Thomas Atherton and Francis Ernest Ryder, Salford, England, assignors to Dorman & Smith Limited, Salford, England
Application December 21, 1944, Serial No. 569,195
In Great Britain January 10, 1944
1 Claim. (Cl. 173—361)



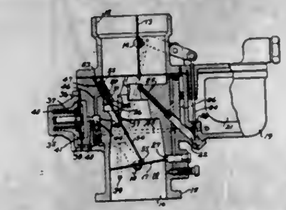
An electrical plug comprising a body of insulating material provided with recesses extending inward from one face of the body and openings of smaller diameter extending inward from the opposite face of the body in coaxial alinement with said recesses, a spring of conducting material in the form of a truncated cone housed and retained at its wider end in one of said recesses whereby it hangs with its narrower end in the axially alined opening of smaller diameter, an electric terminal block disposed in said recess and resting on the wider end of said truncated cone spring, said terminal block having a threaded opening therein of smaller diameter than and coaxial with the opening of smaller diameter in the plug, a contact pin of the same diameter as said plug-opening of smaller diameter, said pin having at one end a projection of smaller diameter than the pin thereby forming a shoulder between said pin and projection, said being exteriorly threaded in the same direction as the coil of said spring for engagement with the threaded opening in said terminal block thereby to cause said shoulder to engage and press inward the smaller end of said spring whereby when said pin is screwed home in said threaded opening the spring is entirely within the recess of larger diameter.

2,472,691
PIEZOELECTRIC CRYSTAL APPARATUS
Walter L. Bond, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 16, 1946, Serial No. 690,967
11 Claims. (Cl. 171—327)



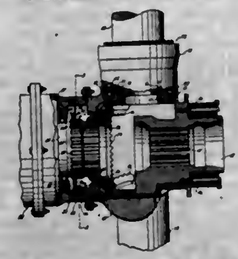
1. An elongated ethylene diamine tartrate piezoelectric crystal plate having its thickness or thinnest axis dimension disposed in a plane containing the Y axis and inclined at an angle of substantially 59 degrees with respect to the +Y axis as measured from said +Y axis toward the plane of the +X and +Z axes, said plane containing said Y axis being inclined at an angle of substantially 27 degrees with respect to said +Z axis as measured from said +Z axis toward said +X axis in said plane of said +X and +Z axes, the lengthwise or longest axis dimension of said crystal plate lying substantially in said plane containing said Y axis.

2,472,692
CARBURETOR
Morris C. Brown, Richmond Heights, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application May 21, 1945, Serial No. 594,945
4 Claims. (Cl. 261—34)



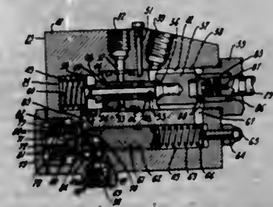
4. In a charge forming device, a mixture conduit, a throttle therein, a suction charged accelerating pump including an outlet passage terminating in a nozzle in said conduit, a valve in said passage near said nozzle and including a yieldable element influencing the valve to a position of passage closure, and a throttle-actuated member extendable through said nozzle and effective in any open position of the throttle, to maintain the valve open, said member in response to full closing of the throttle, acting to release the valve for passage closure under the influence of said element, said throttle-actuated member further coacting with said nozzle to effect a predetermined restricted opening at the nozzle.

2,472,693
PITCH INDICATOR FOR VARIABLE PITCH PROPELLERS
William V. Brown, Flushing, N. Y., assignor to Republic Aviation Corporation, near Farmingdale, N. Y., a corporation of Delaware
Application June 25, 1946, Serial No. 679,281
3 Claims. (Cl. 177—351)



1. A device for indicating the pitch of a variable pitch propeller consisting of a hub, a series of propeller blades each mounted for limited rotary movement in said hub, a driven gear fixed to the inner end of each propeller blade and a master driving gear meshing with all of said driven gears, comprising a variable resistor concentric to the axis of the master gear and fixedly secured to the interior of the hub, a contactor associated with the master gear for movement in unison therewith and cooperating with the aforesaid resistor to vary the effective value thereof, a normally balanced bridge having four electrically related resistors including the aforesaid variable resistor, and means associated with the bridge to indicate the degree of unbalanced conditions in said bridge resulting from variations in value of the variable resistor.

2,472,694
LIQUID PRESSURE OPERATED CONTROLLING SYSTEM
Leslie Cyril Chouings, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application April 13, 1944, Serial No. 530,934
In Great Britain January 29, 1943
7 Claims. (Cl. 137—144)

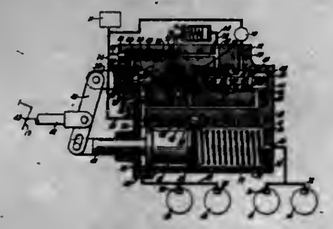


1. A control device for a fluid pressure system comprising inlet and outlet ports, a passageway connecting the inlet port to the outlet port, a control valve having a member constructed and arranged to be normally seated in the passageway, means for engaging said member for unseating the same and including a spring arranged to yield when the pressure in the passageway reaches a predetermined value to permit the member to be moved in a direction to be seated, a pressure responsive device having a valve member disposed in the passageway between the control valve and the outlet port in a manner to normally open the passageway to thereby provide a substantially unrestricted path for the fluid through said passageway to the outlet port and responsive to a second predetermined pressure to close the passageway, and restricted means associated with the pressure responsive device including passages connecting the passageway to the outlet port in a manner to pass fluid thereto when the valve member is in a position closing the passageway to thereby reduce the flow of fluid to the outlet port as compared with the flow of fluid thereto when the valve member is in its normally open position, whereby when the first mentioned predetermined pressure is reached to move the control valve member in a direction to be seated the flow to the outlet port is completely cut off.

2,472,695
SYSTEM OPERATED BY LIQUID PRESSURE
Leslie Cyril Chouings, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application January 1, 1945, Serial No. 570,995
In Great Britain August 9, 1943
5 Claims. (Cl. 60—51)

1. For use in a fluid pressure system having a pump for putting fluid under pressure, an

accumulator for storing fluid under pressure and a device to be operated by the fluid under pressure which comes either directly from the pump or from the pump and accumulator jointly, a control mechanism comprising a pressure regulating valve interposed between the pump and the accumulator and constructed and arranged to limit the pressure received by said accumulator, a passage constructed and arranged so that it receives fluid under pressure from the



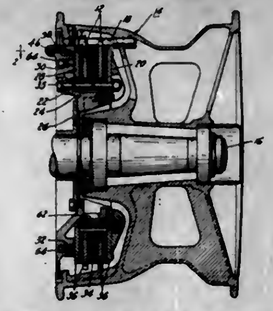
pump and returns the fluid to the inlet side of the pump, a control valve in the passage and normally open and constructed and arranged to be closed to obstruct the return of fluid to the inlet of said pump so as to subject said device to fluid under pressure, and an auxiliary valve disposed in said passage between the pump and the control valve and normally closed, said auxiliary valve being constructed and arranged to prevent the flow of fluid from the pump to said passage when the accumulator is being charged.

2,472,696
TENS TRANSFER MECHANISM
Edward P. Drake, Glendale, Calif., assignor to Clary Multiplier Corporation, Los Angeles, Calif., a corporation of California
Application March 13, 1945, Serial No. 582,554
9 Claims. (Cl. 235—138)



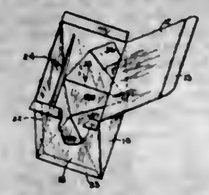
9. In a calculating machine having a plurality of rotatable accumulator elements of different denominational orders and means for driving said elements; tens transfer mechanism comprising a transfer actuator for each of said elements, means on said actuator forming a pair of driving teeth, means for moving said actuator through a transferring stroke, means for normally retaining said actuator in an ineffective condition during said movement thereof, and means responsive to movement of one of said elements, when a tens transfer is indicated, for rendering the actuator associated with the next higher order element effective to cause one of said teeth to drive said higher order element, means on each of said elements for returning its associated actuator to ineffective condition during said movement thereof while in effective condition, both of said teeth being effective to positively lock the associated element against rebound and overthrow during the last portion of said movement thereof.

2,472,697
AUTOMATICALLY ADJUSTABLE DISK BRAKE
William H. Du Bois, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 10, 1945, Serial No. 621,516
3 Claims. (Cl. 188—72)



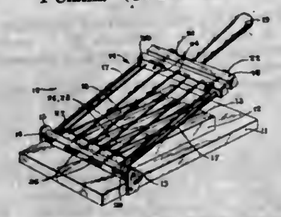
1. A self-adjusting disc brake comprising a first fixed support member, a second fixed support member axially spaced from the first and having an annular chamber formed therein at the inner side thereof and a plurality of circumferentially spaced substantially tangentially extending chambers formed therein on the outer side thereof and each intersected by a perpendicular opening which leads to said inner side, an annular piston reciprocable in said annular chamber, a non-rotatable but axially movable pressure plate acted on by said piston, an axially movable rotor disc located between said first fixed support member and said pressure plate and adapted to be retarded by frictional resistance induced by axial movement of the pressure plate under the influence of the piston, a plurality of circumferentially spaced axially extending positioning members secured to said pressure plate, each having a pawl formed on the end thereof and each extending through the respective opening into one of said tangentially extending chambers, a plurality of circumferentially spaced toothed rack members cooperating with said positioning members to determine the released position of said pressure plate, each of said rack members being movable lengthwise in one of said tangentially extending chambers, the pawl of each positioning member being engaged and axially positioned by the teeth of one of the rack members, the successive teeth of each rack member becoming gradually higher in profile to come closer to the aforesaid first fixed support member, a key associated with each rack member for preventing rotation of the same in its chamber, and a spring located in each such chamber and acting on the respective rack member to urge it endwise in a direction to move a higher tooth under the pawl of the associated positioning member and thereby hold the pressure plate in an advanced position, the angle of the line of contact of each pawl with the teeth of the respective rack member being such as to prevent movement of the ratchet member under influence of the spring until the pressure plate moves more than a predetermined distance during a pressure stroke, and the angle of relief of the teeth of the rack member being sufficient to insure adequate clearance in released position of the rotor disc from the non-rotatable brake members.

2,472,698
KNOCKDOWN CARTON
Anthony G. Edtmiller, Milwaukee, Wis., assignor to Hummel and Downing Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 20, 1947, Serial No. 775,182
14 Claims. (Cl. 229—41)



11. A collapsible carton comprising four side wall panels having hinged corner connections with each other, a triangular bottom panel in hinged connection with one of said wall panels and defined by score lines extending diagonally from two of said corners, second and third triangular bottom panels connected with the bottom panel first mentioned upon the respective score lines aforesaid, a gluing flap hingedly connected marginally with the second triangular bottom panel and adhesively connected with one of said walls, and a supporting panel having a hinged connection with the third triangular bottom panel and extending upwardly therefrom in immediate proximity to a wall of the carton opposite that with which the gluing flap is connected, an intermediate wall of the carton opposite that with which the first triangular bottom flap is connected being provided with a false bottom resting upon the several bottom flaps and marginally abutting the supporting and gluing flaps.

2,472,699
FRUIT AND VEGETABLE SLICER
John Gangemi, Corona, N. Y.
Application September 18, 1946, Serial No. 697,650
1 Claim. (Cl. 146—147)



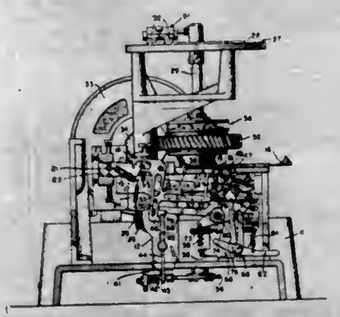
In a slicing device, a slicing frame comprising a pair of spaced bars extended parallel to each other, a pair of side rods extended between said spaced bars, a tension bar disposed between said spaced bars closely adjacent one of said bars, said tension bar and the other of said pair of bars being formed with aligned pairs of holes, a continuous length of wire having its ends anchored on the said other bar and having its intermediate portion laced through said aligned pairs of openings, and means for drawing said tension bar toward said one bar to draw said wire taut between said tension bar and the said other bar, said tension bar being formed at its ends with holes through which the intermediate portions of said side rods pass for slidably supporting said tension bar on said side rods for sliding movement toward the said one bar under the influence of said drawing means.

2,472,700
CONTAINER FOR A COMB
Rudolf Gingold, New York, N. Y.
Application December 11, 1946, Serial No. 715,385
2 Claims. (Cl. 132—9)



1. A container for a comb, comprising a trough of V-shaped section having an opening adapted to receive a comb, and a base having an elongated slot for receiving the bottom of the trough to support the trough in an upright manner upon a flat surface, one end of the V-shaped container having a notch adapted to receive the handle of the comb, and a transverse piece in the opposite end of the trough adapted to receive the forward end of the comb to retain the same above a liquid which may be disposed within the trough.

2,472,701
TAPE FEED SUPPRESSOR
Maurus T. Goetz, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application September 20, 1945, Serial No. 617,515
3 Claims. (Cl. 178—22)



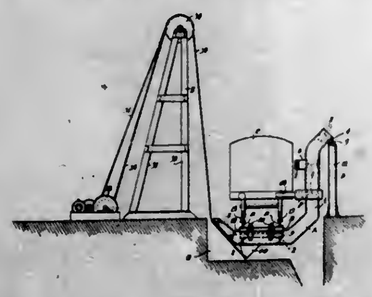
1. In a record reader for telegraphic transmitting devices, a record feeding mechanism comprising a cyclically moving member, means for actuating said member subsequent to each reading of the record, and means comprising a double trip-off latch cooperable with said cyclically moving member to invariably defer the actuation of said feeding mechanism for a time period of one cycle.

2,472,702
KNITTING FINGER RING
Hyman Greenstein, Brooklyn, N. Y.
Application May 23, 1947, Serial No. 749,993
9 Claims. (Cl. 242—149)



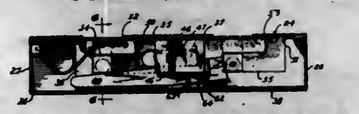
3. A finger ring tensioner for knitting wool and the like comprising a ring body having an opening for engaging on one's finger, a top block element mounted on the top side of the ring body, said top block element being formed with a passage extended inwardly from the top face thereof and at right angles to the opening in said ring body and through which a strand of knitting wool is adapted to be extended, a member extending across said passage, a stem extending upwardly from said top block element and passing freely through an aligned opening formed in said member, a spring coaxially wound on said stem and engaging the top face of said member, a nut threadedly engaged on the top end of said stem and bearing against the top end of said spring, and a washer removably mounted upon the stem whereby the strand of knitting wool may be trained therearound to provide additional opposition to the passage of the wool.

2,472,703
CAR AND WAGON TIPPLER OR DUMPER
George Wilfred Grossmith, Bristol, England, assignor of one-half to Strachan & Henshaw, Limited, Bristol, England, a company of Great Britain
Application February 20, 1947, Serial No. 729,839
In Great Britain May 17, 1946
20 Claims. (Cl. 214—52)



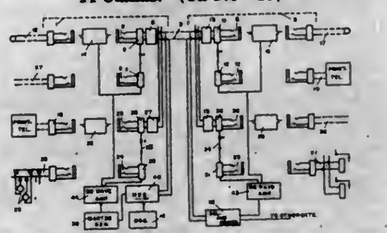
1. Wagon tilting apparatus comprising a frame for receiving a wagon, a rigid support, universal means connecting said frame, toward one peripheral portion thereof, to said support, and means for supporting said frame at substantially spaced-apart points toward peripheral portions of the frame opposite to said one peripheral portion, the said supporting means being operable to raise the frame at either of said points relatively to the other of said points.

2,472,704
OUTBOARD MOTOR MOUNTING
Paul Homan, Napoleon, Ohio
Application June 11, 1947, Serial No. 753,892
8 Claims. (Cl. 248—4)



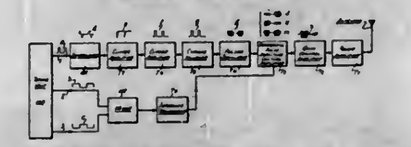
1. A mounting for an outboard motor having bolt-like clamping elements, said mounting comprising a housing secured to the boat and having notches for receiving the clamping elements therein, a latch shiftable between the open and the latching positions wherein the clamping elements are locked within said housing, spring means constantly urging the latch toward the latching position, and means for releasably holding said latch in the open position of adjustment.

2,472,705
TIME DIVISION CARRIER MULTIPLEX TELEPHONE SYSTEM
John H. Homrighous, Oak Park, Ill.
Application July 17, 1944, Serial No. 545,206
14 Claims. (Cl. 179—15)



1. In a telephone system, a trunk line provided at one terminal with a pair of jacks and a relay for each jack, an oscillator for producing a carrier current channel for said trunk line, means for actuating either one of said relays independently over said channel, and switching means for disconnecting one of said jacks and its associated relay from said trunk line.

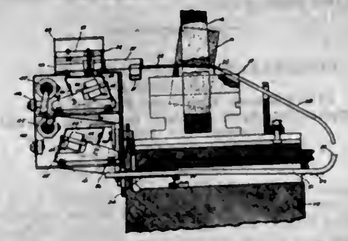
2,472,706
PULSE TRANSMISSION SYSTEM
George D. Hulst, Jr., Millburn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 3, 1943, Serial No. 493,383
17 Claims. (Cl. 250—17)



1. In combination, an oscillator of radio frequency energy normally biased to cut-off, a circuit for impressing upon said oscillator two series of unidirectional current pulses to thereby cause said oscillator to produce two corresponding series of pulses of radio frequency energy, a utilization

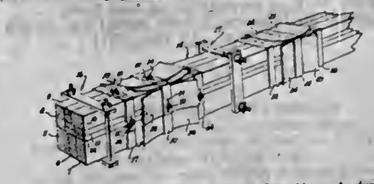
device, an amplifier between said oscillator and said utilization device, and means coupled to said amplifier for causing the same to change the relative amplitude of one of said series of pulses of radio frequency energy relative to the amplitude of the other series of pulses of radio frequency energy.

2,472,707
WORK LOADING DEVICE FOR GRINDING MACHINES
Alvin J. Jones and Charles Clement Walker Williams, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa.
Application September 20, 1945, Serial No. 617,540
3 Claims. (Cl. 51—103)



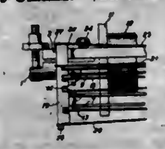
2. In a centerless grinding machine, a grinding wheel, a work rest and a control wheel forming a grinding throat, said control wheel being tilted relative to the grinding wheel so as to feed work pieces through said grinding throat at a predetermined rate, means to supply work pieces to said grinding throat at substantially the same rate including a vibratory conveyor substantially level with said grinding throat and vibrating means for actuating said conveyor, a hopper having a baffle plate therein for supplying work pieces to said conveyor at a controlled rate, said hopper and said conveyor being vibrated as a unit.

2,472,708
WOOD ADHERING MACHINE
John Watson Jones, Jr., Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application May 2, 1946, Serial No. 666,611
4 Claims. (Cl. 219—47)



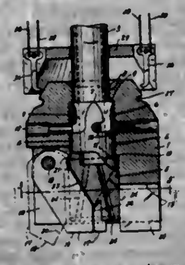
1. A system for heating the glue lines between adjacent surfaces of a plurality of pieces of lumber, said glue lines running at right angles to one another comprising a pair of clamps for clamping said pieces into a predetermined form, a high frequency generator, a first electrode completely encircling and in contact with the periphery of said form and connected to said generator, and a second electrode completely encircling said form and connected to said generator, said second electrode being in contact with said form periphery at a distance from the center of said first electrode which is twice the depth of the glue line to be heated, said second electrode being flared away from said form in a direction toward said first electrode along a substantially exponential curve which is tangent to a plane at the region of contact of said second electrode with said form, said flare being at an angle of from fifteen degrees to thirty degrees with respect to said plane, said first and second electrodes being dimensioned to substantially surround the portion of said form in which the glue lines are to be dried, and said first and second electrodes being adjustable to fit various beam sizes.

2,472,709
CONTROL OF ELECTRICAL CONTACTING ELEMENTS
Harry M. Knapp, Scotch Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 6, 1947, Serial No. 728,839
9 Claims. (Cl. 200—104)



6. A relay comprising an armature, a plurality of relatively fixed contact springs having contacts, a plurality of relatively movable resilient contact springs having contacts, all of the movable springs being tensioned normally by reason solely of their own tension to make closure with the said fixed springs at respective contacts thereof, and means having shouldered portions controlled by the said armature, certain of its shouldered portions being disposed to separate at least one of said closed pairs of springs when said armature is unoperated, the said means, when controlled by operation of said armature, being effective by said certain shouldered portions to release the separated pair or pairs to permit same to make closure due to the inherent tension of said movable springs and by others of its shouldered portions to separate the remaining closed pairs of said plurality of cooperating pairs of fixed and movable springs.

2,472,710
REMOVABLE DRILLING BIT
Carl C. Koeln, St. Louis County, Mo.
Application May 5, 1944, Serial No. 534,185
18 Claims. (Cl. 255—61)



1. In drilling apparatus, a rotary drilling shaft, a drilling bit body having a shaft receiving bore for permitting the bit to be slid on the shaft

and attached and removed from the lower end of said shaft without removing the shaft from the hole being drilled, means for attaching and detaching the body to the lower end of the shaft, a cutter, means for mounting the cutter on the bit body for movement to an operative position where it will cut the bottom of the hole being drilled below the shaft, and means carried by the shaft for engaging a rear portion of the cutter within the bore when the body is attached to the shaft and the cutter is in its operative position.

2,472,711
FORMING PAPER CLIPS
Chite Shaw Lee, Detroit, Mich.
Application December 16, 1946, Serial No. 716,538
22 Claims. (Cl. 140—82)



1. The method of forming a wire paper clip comprising the steps of continuously bodily moving a length of wire sideways along a predetermined path and in one direction, and forming in succession a plurality of U-shaped bends in said wire at different points along the length thereof.

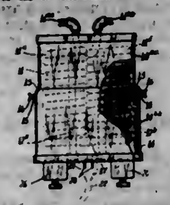
2,472,712
ROLL PAPER DISPENSER
Morris Lifschitz, New York, N. Y.
Application August 1, 1946, Serial No. 687,750
3 Claims. (Cl. 242—55.5)



1. In a paper roll dispenser, in combination, a substantially quarter cylindrical container comprising integrally bottom, rear, and top walls, said top wall being curved and being free of direct connection to said bottom wall, and a resilient end member permanently attached to one of said top and bottom walls and detachably engaging the other of said top and bottom walls.

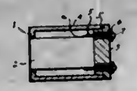
2,472,713
ELECTRIC WATER-HEATING SYSTEM
Ernesto Lijol, Brooklyn, N. Y.
Substituted for application Serial No. 109,228, November 8, 1936. This application April 14, 1948, Serial No. 20,962
8 Claims. (Cl. 219—39)

1. A water heating device, comprising a container formed of telescopically engaged sections, a water coil supported within said container upon one of said sections and having an inlet and an outlet, and a heater within said container and supported upon the other of said sections and extended into said water coil, said container sections being adjustable relative to one another for controlling the extension of said heater into said coil, said coil being formed of separate sections and said heater having separate heating elements extended into said coil sections, said heater being an electric heater and having its heating elements mounted in a circuit including in series a



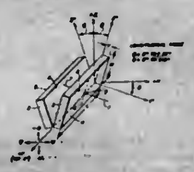
source of power, a manually controllable rheostat and said heating elements.

2,472,714
PIEZOELECTRIC SOUND PRESSURE MICROPHONE
Frank Massa, Cleveland Heights, Ohio
Application April 16, 1945, Serial No. 588,692
4 Claims. (Cl. 179—110)



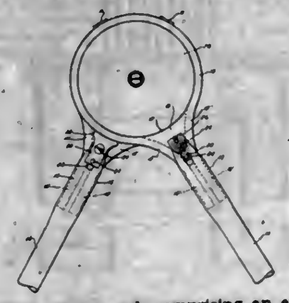
1. In the method of making a microphone comprised of expander crystal means which comprises the steps of: establishing at one end of said crystal means a plane perpendicular to a direction of expansion of said crystal means, mounting said crystal means with its said plane face against a plane face of a base, connecting a housing to said base with said housing around said crystal means, the unattached end of said housing lying approximately in the plane of the unattached end of said crystal means, facing-off the unattached end of said housing and crystal means until they are brought into a common plane, and attaching a planar diaphragm to said crystal means and said housing at said end which has been faced-off.

2,472,715
PIEZOELECTRIC CRYSTAL APPARATUS
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 21, 1947, Serial No. 723,264
17 Claims. (Cl. 171—327)



4. A rotated Y-cut type ethylene diamine tartrate piezoelectric crystal body adapted for motion substantially along its elongated lengthwise axis dimension, said crystal body having its major electrode faces disposed substantially parallel to the X axes and inclined at an angle of substantially 10 degrees with respect to the Z axis as measured in a plane perpendicular to said X axis, said lengthwise axis dimension being disposed substantially parallel to said X axis.

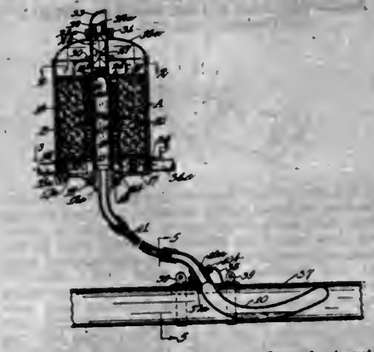
2,472,716
SPANNER WRENCH WITH WORK-RETAINING LOOP
Frank G. Miller, Farmingdale, and Leslie S. Begert, Richmond Hill, N. Y., assignors to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application February 27, 1945, Serial No. 579,960
3 Claims. (Cl. 81—90)



2. A spanner wrench comprising an engaging member consisting of a section of metal bent upon itself to form a loop having reverse bends adjacent its extremities thereby positioning its end portions in parallel juxtaposition, a hollow handle longitudinally slotted at one end and adapted for the reception and permanent attachment of said end portions of the loop, a filler interposed between and secured to the reverse bends aforesaid, one edge of said filler being curved to form an uninterrupted continuation of the inner edge of the loop, a latch mounted for sliding movement on the handle adjacent the engaging member, an enlargement at one end of said latch bearing on the handle to space the opposite end of the latch from the handle and the engaging member, a pin projecting from said enlargement to reciprocate in the slotted end of the handle whereby the spaced end of the latch may be removably projected over said filler, a lug projecting laterally from the engaging member in opposition to said latch, a flange angularly disposed to said lug to rest parallel to one face of the engaging member and to be spaced therefrom by the lug a distance substantially equal to the distance of the spaced end of the latch from the handle and filler, a series of spaced pins projecting from the engaging member in the direction of the lug, and means for fixing the latch against movement.

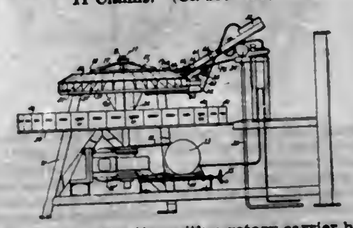
2,472,717
LUBRICATING OIL PURIFIER
Carlyle J. Morey, Minneapolis, Minn.
Application April 26, 1947, Serial No. 744,133
2 Claims. (Cl. 196—16)

1. An oil purifier comprising a casing having a vent opening in its upper portion and having a pure oil outlet formed in the bottom thereof, a heating and refining passage formed in upstanding relation in said casing and communicating with said oil outlet, said casing having an oil inlet adapted to supply oil to the top of said passage, a cylindrical chambered heat distributing head centrally mounted in said heating and refining passage, a conduit having one end connected in sealed relation at the bottom of said head, a chambered heat receiver adapted to be inserted in the exhaust line of an internal combustion engine to be heated by the exhaust gases thereof and having its upper portion sealingly connected to the other end of said conduit, said head, conduit, and receiver forming a closed sealed heat transfer system and there being a small quantity of liquid enclosed therein whereby when said heat receiver is heated, the liquid within said system is vaporized to heat said head and thereafter condense and return to said heat



receiver for revaporization, a finned structure fixed in outstanding relation to the outside of said cylindrical head and adapted to receive oil from said oil inlet to retard the flow of the oil over said head and positively and uniformly heat said oil as it flows downwardly through said passage to drive off the volatile impurities of said oil through said vent opening, said purified oil flowing outwardly through said outlet.

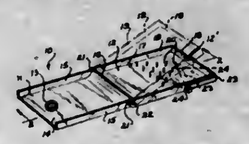
2,472,718
SORTER
Charles F. Mullen, Long Branch, N. J., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application August 25, 1944, Serial No. 551,134
11 Claims. (Cl. 209—90)



11. The combination with a rotary carrier having spaced, substantially semi-circular open pockets in the peripheral edge thereof, of a gravity feed to successively deliver rivets to said pockets whereby the head of each rivet rests on one face of the carrier and its shank passes through the pocket to project beyond the opposite face thereof, a stationary compressed air manifold disposed adjacent said carrier, a series of spaced air jets projecting outwardly from said manifold to terminate adjoining that face of the carrier beyond which the rivet shanks project, a stationary concentric rail cooperating with said carrier, having its height gradually reduced by a series of steps each step representing the length of a rivet shank and designed to overlap all

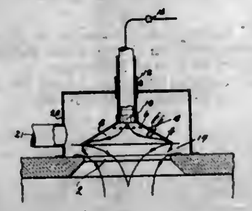
sharks having a greater length, and a chute coacting with each step to receive all rivets projected over that step by the corresponding air jet.

2,472,719
PEG GAME BOARD
George Mysels, New York, N. Y.
Application May 4, 1946, Serial No. 667,313
7 Claims. (Cl. 272—95)



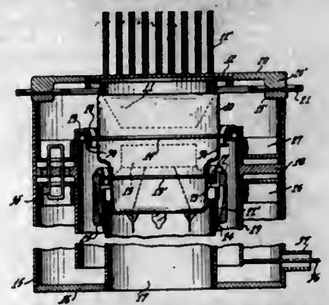
1. A game comprising an approach section having a rear bulbous hinge element, a target section having side walls overlapping said bulbous hinge element, a hinge pin passing through said target section side walls at their said overlapping portions and passing through said hinge element, hinging said sections together, said bulbous hinge element forming an obstacle between said sections, the side of said hinge element facing said approach section having a gradual slope and the side facing said target section dropping vertically, and targets supported on said target section for receiving an object propelled thereto along said approach section and over said obstacle.

2,472,720
METHOD OF BURNING OIL
Theodore Nagel, Brooklyn, N. Y.
Application December 19, 1944, Serial No. 568,889
1 Claim. (Cl. 158—117.5)



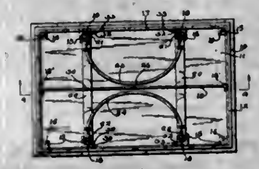
A method of burning oil in a combustion chamber having a wall provided with a firing opening, which method comprises continuously atomizing oil outside the firing opening and continuously mixing with the atomized oil a limited quantity of primary air sufficient for ignition of the atomized oil; continuously igniting the mixture of oil and primary air; intimately mixing secondary air with the ignited oil vapor resulting from the partial combustion of the mixture of atomized oil and primary air by continuously flowing an annular converging stream of secondary air toward the firing opening in such relation to the ignited oil vapor as to surround the same and draw the ignited oil vapor in the form of an annular stream into the converging stream of secondary air; and flowing this mixture continuously through the firing opening, thereby continuously obtaining relatively instantaneous combustion and a relatively short highly concentrated heat liberating flame body within the combustion chamber.

2,472,721
ELECTRON DISCHARGE DEVICE EMPLOYING CAVITY RESONATOR CIRCUITS
Leon S. Nergaard, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 16, 1945, Serial No. 583,018
13 Claims. (Cl. 315—39)



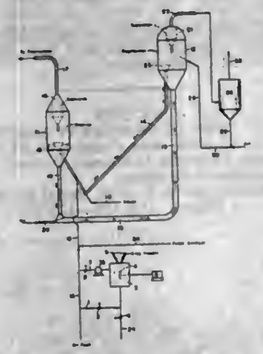
1. An electron discharge device having a cathode, grid and anode, and a cavity resonator coupled between said grid and cathode, said resonator comprising an elongated hollow conducting member, said elongated hollow conducting member being coupled to said cathode and said grid at spaced apart portions of said hollow conducting member, and a conducting partition within said elongated hollow conducting member and extending from the portion of said elongated hollow conducting member coupled to said grid toward but out of contact with a wall portion of said elongated hollow conducting member intermediate said spaced apart portions, whereby the effective electrical length of said elongated hollow conducting member is increased.

2,472,722
VERTICALLY ADJUSTABLE TABLE
Ralph Newstead, New York, N. Y.
Application August 17, 1946, Serial No. 691,187
2 Claims. (Cl. 311—39)



1. A vertically adjustable table comprising an outer casing having a bottom therein, a bottomless inner casing fitting movably within the outer casing, guide members extending upwardly from the bottom of the outer casing and having latch sockets, a frame structure connected to the inner casing, a table top hinged to the inner casing to be lifted to provide access to the inner frame structure, said frame structure comprising a longitudinally extending member, a pair of transversely extending, longitudinally spaced bars connected at their intermediate points to the longitudinally extending member, latch elements provided on the ends of the transverse bars, and means for operating the latch members in unison whereby when said inner casing is in raised position, it is held therein by said latch elements being disposed in said sockets.

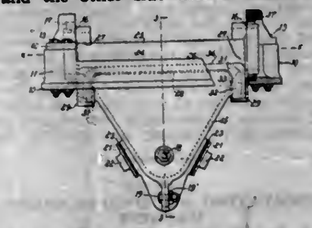
2,472,723
METHOD FOR REMOVAL OF METAL COMPOUNDS FROM OIL FEED TO FLUID CATALYST CRACKING
Nick F. Peet, Goose Creek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application June 5, 1947, Serial No. 752,804
2 Claims. (Cl. 196—50)



1. A method for treating a residual hydrocarbon feed stock containing contaminants, which is charged to a fluid catalytic cracking operation embodying a reaction and a regeneration zone and a recovery zone for the catalyst which comprises admixing at least a portion of the hydrocarbon feed stock with contact clay having a particle size in the range between 5 and 10 microns, slurrying the admixture, introducing the slurry into hydrocarbon feed stock, adding catalyst to the admixture of slurry and hydrocarbon feed stock and charging this admixture to a reaction zone maintained under conversion conditions, separating reaction products from the catalyst and contact clay, regenerating the catalyst and contact clay in a regeneration zone under combustion conditions to form a mixed phase of products of combustion and catalyst and contact clay, separating catalyst from products of combustion and contact clay in a recovery zone, discarding the products of combustion and the spent contact clay from said recovery zone, and returning the catalyst from said recovery zone to the system.

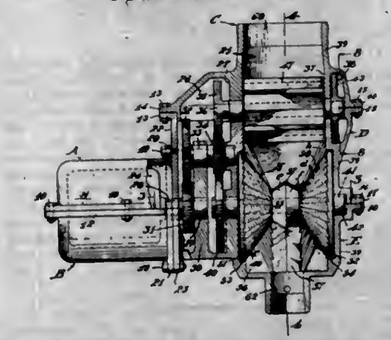
2,472,724
SEAL
Paul Pevney, Massapequa, N. Y., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application June 26, 1944, Serial No. 542,061
10 Claims. (Cl. 244—83)

3. In a high altitude aircraft having a pressure cabin, the combination with the floor of said cabin and a control lever trunnioned for oscillatory movement in an opening in said floor, of cylindrical portions formed on said lever between said trunnions and coaxial therewith, a frame circumscribing said opening and surrounding said lever and provided with bearings for said trunnions, a continuous channel carried by said frame, and a continuous resilient sealing strip of substantially U-section, one side of said U constituting a retaining flange confined in said channel and the other side thereof constituting a



tapered flexible sealing flange the active edge of which constantly and sealingly contacts with said cylindrical portions by the cumulative effect of the inherent elasticity of the resilient material of said strip and of the pressure within the cabin acting on one side of said sealing flange.

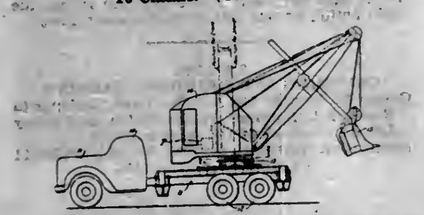
2,472,725
CRUSHING AND GRINDING MACHINE
George W. Rundle, Los Angeles, Calif., assignor to Rudolph L. Pummer, James Cullen, and Silvey Leo Ambrose, all of Los Angeles, Calif.
Application November 26, 1945, Serial No. 630,714
1 Claim. (Cl. 241—155)



In a crushing and grinding machine, a housing having an intake opening in its upper end and an outlet passage in its lower end, a pair of cooperative crushing rollers on horizontal axes in the upper portion of said housing contiguous the intake opening, a pair of rotatable conical grinding rollers mounted on a shaft in said housing arranged with their tapered faces extending toward each other, the conical rollers being located beneath the crushing rollers and mounted with their axes parallel to the axes of the crushing rollers, radially extending teeth on the tapered faces of said grinding rollers, a grinding element fixed in the housing on one side of the grinding rollers and having inclined side walls extending between and slightly spaced from the toothed tapered faces of said grinding rollers, downwardly inclined teeth on said inclined faces, extending in oblique relation to the contiguous teeth on the grinding rollers, a filler block fixed in the housing on the opposite side of the grinding rollers and having inclined side faces overlying con-

tiguous opposed teeth of the grinding rollers, a collar on the shaft abutting the inner ends of the grinding rollers and having tapered circumferential walls, oppositely tapered from those of the grinding rollers, said stationary grinding element and said block each being formed with a vertical groove, the walls of which overlie the tapered walls of said collar in close proximity but spaced therefrom, the clearances between the grinding rollers, the collar, the fixed grinding element and the filler block providing the sole spaces for material to pass from the upper end of the housing to the outlet thereof and means for driving said crushing and grinding rollers.

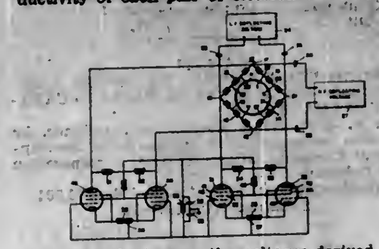
2,472,726
EXCAVATING AND LOAD HANDLING MACHINE
Louis R. Russell, Edison, Ohio, assignor to Insley Manufacturing Corporation, Indianapolis, Ind., a corporation of Indiana
Application November 19, 1945, Serial No. 629,461
10 Claims. (Cl. 212—28)



1. An excavating and load handling machine comprising a trailer frame, a mounting plate on said frame, a guideway on said mounting plate extending longitudinally of said vehicle, a supporting plate on said mounting plate and adapted for longitudinal movement in relation to said mounting plate along said guideway between a rearwardly disposed excavating position and a forwardly disposed load handling position, a turntable and superstructure on said supporting plate, said superstructure including a crane and operating means therefor, and cooperating gearing on said plates, respectively, for driving said supporting plate longitudinally on said mounting plate.

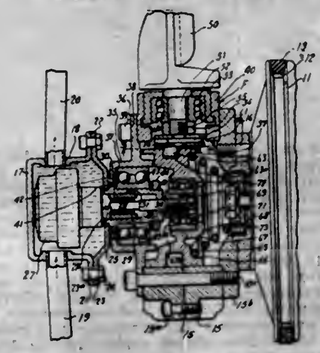
2,472,727
VOLTAGE DISTRIBUTION SYSTEM
Hans W. G. Salinger and Harold W. Beach, Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application November 27, 1946, Serial No. 712,660
8 Claims. (Cl. 315—24)

1. A system for controlling the direction of an electron beam comprising, a plurality of field-producing electrodes uniformly spaced around the path of said beam, a voltage-distributing network comprising a balanced bridge arrangement of a plurality of impedance devices having two pairs of corner points and a plurality of intermediate tap points, said tap points being coupled respectively to said field-producing electrodes, two pairs of electron discharge devices having relatively high impedance space discharge paths, means for coupling the space discharge paths of each pair of electron discharge devices to respective pairs of said corner points, a source of space current for each pair of electron discharge devices, and means for oppositely varying the conductivity of each pair of electron discharge de-



vices, whereby to vary the voltages derived from said space current source and impressed upon said network corner points.

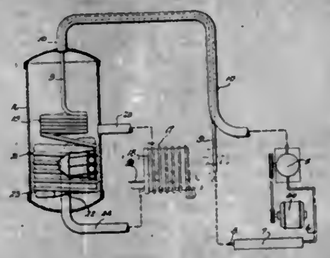
2,472,728
FRONT TYPE THERMOSTAT MOUNTING
Elmore J. Sanders, San Gabriel, Calif., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware
Application March 1, 1946, Serial No. 651,071
1 Claim. (Cl. 170—135.72)



A variable pitch fan for an internal combustion engine, comprising, a hub assembly having a periphery and front and rear sides, means on said rear side for affixing the hub assembly to a rotating member for rotation therewith, fan blades projecting radially from said periphery, bearing means mounting said blades on said periphery for rotation about their radial axes, crank means eccentric of said radial axes on the inner ends of said blades, an activating member common to all of said crank means within said hub assembly, said activating member rotating with said hub assembly, bearing means slidably mounting said activating member within said hub assembly for axial movement with respect to said hub assembly, whereby, when said activating member moves axially, said blades are turned about their radial axes, a combined rotary and axial thrust bearing centrally disposed in said activating member including an outer bearing sleeve rotating with said hub assembly about an inner bearing member, the front side of said hub assembly having an axial opening therein, a second combined rotary and axial thrust bearing having an outer sleeve affixed within said opening and rotating about an inner sleeve, and a thermostatic control assembly comprising a

sleeve, means for affixing said sleeve within the inner ring of said second bearing member with the front end of said sleeve projecting beyond the front side of said hub assembly, a liquid tight housing affixed to the front end of said sleeve, an axial shaft extending from the inner bearing member of said first combination bearing to said chamber, thermal-responsive means in said chamber for moving said shaft axially upon changes of temperature of said cooling liquid, and means for connecting the interior of said housing to a source of cooling liquid.

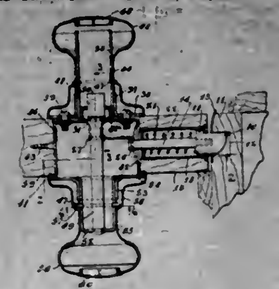
2,472,729
REFRIGERATION SYSTEM
Philip A. Sidell, Galesburg, Ill., assignor to Outboard Marine & Manufacturing Company, Galesburg, Ill., a corporation of Delaware
Application April 11, 1940, Serial No. 329,140
18 Claims. (Cl. 62—8)



1. In a refrigerating system, the combination in series connection of a compressor, a condenser, a capillary tube, a heat exchange coil of larger cross section than the capillary tube and into which said capillary tube discharges, a continuous tube evaporator into which said heat exchange coil discharges, a separating chamber in communication with the evaporator outlet and having a portion for reception of liquid refrigerant enclosing said heat exchanging coil, and a return conduit leading from the upper portion of the separating chamber to the compressor.

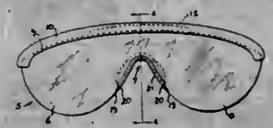
2,472,730
DOOR LATCH MECHANISM
David C. Smith, Toledo, Ohio, assignor of thirty per cent to E. W. Sauers, thirty per cent to A. E. Giesey, both of Cleveland, Ohio, and twenty per cent to Leroy L. Oblinger, Toledo, Ohio
Application November 26, 1947, Serial No. 788,128
6 Claims. (Cl. 292—169)

1. Door latch mechanism having a spring-tensioned latch bolt comprising a pair of knob assemblies adapted to be disposed on opposite sides of the door, one knob assembly including an oscillatable tube, an actuator having a pair of actuating lugs, a connection between said actuator and tube so that oscillating movements of the latter are transmitted to the former, a retractor shiftable at right angles to the axis of said tube and having parts engageable respectively by said lugs for effecting shifting movement thereof, said retractor being adapted operatively to engage the latch bolt, the other knob assembly having an oscillatable tubular member, a spindle fixed at one end to and concentric with said tubular member, and a driver on the opposite end of said spindle and coupled to said actuator so that oscillation of said spindle imparts corresponding movement to said actu-



ator, said driver being separable from said actuator by longitudinal shifting movement.

2,472,731
ONE-PIECE CHANNELED LENS MOUNTING
Edward M. Splaine, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 15, 1944, Serial No. 568,282
7 Claims. (Cl. 88—41)

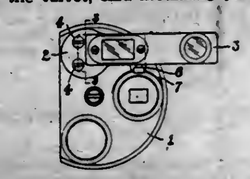


1. An ophthalmic mounting of the character described comprising a bar-like member of relatively rigid material curved substantially to the general contour of the face and having temple connection means adjacent either end, said bar-like member having rearwardly extending means thereon for engaging the brow and having an attachment seat extending longitudinally thereof forming a curve complementary to the curved shape of said bar-like member, a shield-like lens member of transparent material having a nasal recess in the lower edge thereof and having the major portion of its upper contour edge secured in said attachment seat, the rigidity of the bar-like member retaining said lens member to said curvature of the bar-like member, and with the end portions of said bar-like member curving outwardly and rearwardly of the brow engaging means so as to cup the lens member about the face of the wearer, said lens member having shouldered portions adjacent the nasal recess thereof for receiving the ends of a nose engaging member, a nose engaging member having a slotted portion interfitted with the edge of the lens member in said nasal recess and retained against movement by said shouldered portions, said nose engaging member having integral rearwardly extending nose pad portions.

2,472,732
RANGE FINDER MOUNTING FOR CAMERA LENS TURRETS
Ralph Stillwell, Baldwin, N. Y.
Application May 27, 1946, Serial No. 672,570
2 Claims. (Cl. 95—44)

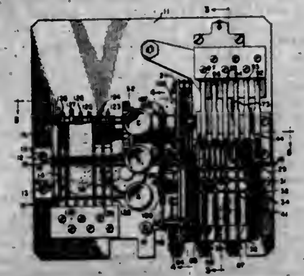
1. In a movie camera having a rotative turret formed with several screw threaded openings

into one of which a lens having a rotative focusing ring is mounted, means for supporting a range finder from one of the threaded openings adjacent the threaded opening provided with the lens with the operating lug of the range finder engaging the focusing ring of the lens, comprising a mounting plate attached at one end to the range finder and having its other end overlying the desired threaded opening of the turret, an insert threaded into the desired threaded opening of the turret, said mounting plate and said



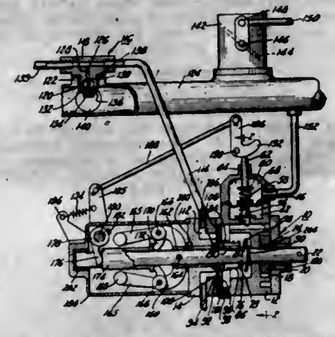
insert being formed with aligned threaded holes, and screws threaded into said threaded holes securing said mounting plate to said insert, said mounting plate being thinner than the material of said turret so that when said screws are tightened said mounting plate will be caused to frictionally abut the adjacent face of the material of the turret surrounding the desired threaded opening drawing forward on said insert securing said insert against rotative movement within the desired threaded opening.

2,472,733
KEY OPERATED TRANSMITTER
Carl W. Swan, Skokie, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application August 6, 1943, Serial No. 497,591
2 Claims. (Cl. 177—380)



1. In a signal transmitter, a plurality of keys, a bail under the control of each of said keys, a plurality of selector levers permutably controlled by said bails in accordance with predetermined signals, a blocking bar to hold said selector levers in their permuted positions, a bail lock forming a portion of said blocking bar, electrical contact means operated by said selector levers, a distributor for controlling the transmission of said predetermined signals in accordance with said electrical contact means, means responsive to the operation of any one of said bails for releasing said distributor for a cycle of operation, and means under the control of said blocking bar operating after said distributor has been released to disable said distributor releasing means until after said selected bail has been released by said bail lock.

2,472,734
FUEL CONTROL SYSTEM
Michael J. Thomas, Birmingham, and Guy C. Fricke, Pleasantridge, Mich., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 27, 1946, Serial No. 679,774
11 Claims. (Cl. 123—119)



1. In a fuel supply system for an internal combustion engine having an intake manifold: a fuel pump for receiving fuel from a source and for delivering the fuel to said manifold; a passage from the outlet side of the pump for said fuel; a fuel nozzle connected with said passage; a by-pass from the outlet side to the inlet side of the pump; a valve for controlling the flow of fuel through said by-pass, a yieldable means for urging the valve toward the closed position; and means operative throughout the engine operating range for varying the effective force tending to close said valve in accordance with engine speed and charging pressure.

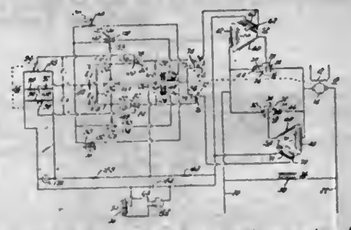
2,472,735
BAROMETRIC INSTRUMENT
Carl J. Ulrich, Minneapolis, Minn.
Application September 12, 1945, Serial No. 615,764
9 Claims. (Cl. 73—385)



2. A device of the class described having in combination, a U-shaped tube of resilient material having the spaced portions thereof extending substantially vertically, a heavy liquid in said tube, transparent tubes secured in the upper ends of said portions respectively and communi-

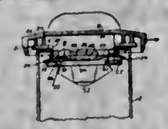
cating respectively therewith, a rigid member having a groove in which said first mentioned tube is disposed, a second rigid member having ribs thereon transversely alined with said groove and adapted to engage said tube, and means for relatively moving said members to move said ribs against said tube and cause the liquid in said tube to move upwardly therein.

2,472,736
MOTOR CONTROL
Herbert C. Waterman, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 21, 1945, Serial No. 589,527
10 Claims. (Cl. 318—506)



1. The combination with a direct current motor, of a pair of grid controlled gas tube rectifiers adapted to be connected to a source of alternating current, each of said tubes being connected in series with the motor and in parallel with respect to each other for supplying unidirectional current to the motor, phase shifting means adapted to be connected to the alternating current source, said phase shifting means connected to each of the rectifier tubes for changing the phase relationship of the grid voltage with respect to the anode voltage to fire one or the other of the gas tubes depending on the desired direction of rotation of the motor, and means including a controller for selecting a voltage which determines the direction of rotation of said motor and for causing the phase shifting means to fire only the gas tube corresponding to the selected direction of rotation of the motor, said last-named means also including a generator with an output proportional to motor speed and connected in opposition to the selected voltage for causing the other gas tube to fire to tend to rotate the motor in the opposite direction when the controller is displaced to a position to decelerate the motor.

2,472,737
LIQUID FUEL TANK CAP
Solomon Wise, Shaker Heights, Ohio
Application October 2, 1945, Serial No. 619,808
3 Claims. (Cl. 220—40)



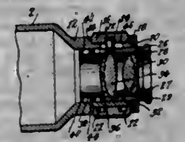
3. In a cap closure for the tubular filling stem of a liquid fuel tank; a cap body for covering the stem end, and having a central housing portion integral therewith and depending therefrom for centering in the open end of the tank stem; the lower end of the depending portion being open and tubular and provided with diametrically opposite downwardly open notches; a cover plate secured to and covering the said tubular open end and having cover portions covering the notches to thereby provide apertures; a post projecting integrally upwardly from the center of the cover plate; a sheet metal spring having an enlarged central portion and fingers extending oppositely radially therefrom; a perforation in the central portion of the spring loosely telescoped over and encircling the post; the central portion formed with a downwardly extending bulge resting upon the cover plate and the spring being free to rock bodily thereon; the fingers extending through and beyond the apertures and held thereby against rotation around the post, and engaging the bottoms of the apertures to keep the spring from becoming untelescoped from the post.

2,472,738
TERMINAL BLOCK
Christian B. Backer, Ottawa, Ontario, Canada
Application December 4, 1944, Serial No. 566,464
In Canada December 9, 1943
1 Claim. (Cl. 173—328)



In a plug-in type of electric range element having at least one tubular member, a terminal block comprising a substantially inclined porcelain block, a metal housing on the porcelain block, and means for clamping the ends of said tubular member to the housing comprising a U-shaped member having a body portion fixed to the housing and a pair of spaced arms having aligned openings therein to receive said ends, a bar positioned between said arms and engaging one side of said ends, and a screw having a head engaging said bar and a nut thereon engaging the substantially opposite side of said ends.

2,472,739
SEALED ADJUSTABLE EYEPIECE FOR OPTICAL INSTRUMENTS
Allister L. Baker, Jersey City, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
Application October 26, 1945, Serial No. 624,853
3 Claims. (Cl. 88—32)



1. In an optical instrument having a reticle and an eyepiece, draw tube means having an outside cylindrical surface, means on the instrument adjacent said draw tube means having an inside cylindrical surface spaced from said outside cylindrical surface of said draw tube, said means forming a cylindrical channel between said outside cylindrical surface of said draw tube and said inside cylindrical surface of said instrument, an optical element of said eyepiece mounted in said draw tube means, means for moving said draw tube longitudinally to focus on said reticle,

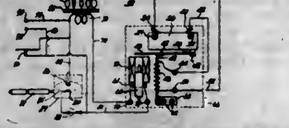
the cylindrical channel being at least one half as long as the maximum movement of the draw tube required for focusing said eyepiece, a resilient elastic annular member in said channel having a substantially circular cross section of a diameter slightly greater than the radial dimension of said cylindrical channel for sealing said instrument and maintaining the seal by rolling in said cylindrical channel when said eyepiece is focused.

2,472,740
PIANO KEY ACTION
David Barnett, Wellesley, Mass.
Application December 10, 1947, Serial No. 790,825
5 Claims. (Cl. 84—237)



1. The combination of a pivotally mounted key lever operatively associated with a piano hammer action, a key, and a linkage pivotally connecting said key to said key lever to enable maintaining the upper face of said key parallel to a predetermined plane at all times.

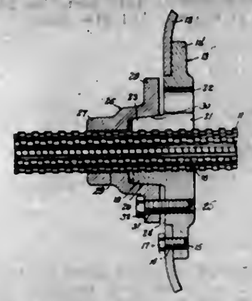
2,472,741
LIGHT CONTROL
Kenneth L. Berninger and Chauncey H. Lowrey, Dayton, Ohio, assignors to The Eldee Products Company, Dayton, Ohio, a corporation of Ohio
Application April 16, 1947, Serial No. 741,776
12 Claims. (Cl. 315—361)



1. In a control unit for controlling a lamp circuit embodying an electric lamp and a manually controlled switch connected to a current source, the combination comprising, a transformer having a primary winding across the manual switch, a secondary winding, a control circuit including a control switch and a heating coil shunting the primary winding, an electromagnetic winding and an impulse switch serially connected with the transformer secondary, a pivoted leaf responding to the energization of said electromagnetic winding for actuating the control switch, a bimetal latch exposed to the heating coil and operable to hold the pivoted leaf in control switch closed position, and means for actuating the impulse switch for energizing the magnet and the lamp circuit although the manually operated switch is open.

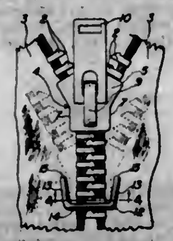
2,472,742
ADJUSTABLE AXLE AND WHEEL ASSEMBLY
Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application February 27, 1948, Serial No. 11,596
5 Claims. (Cl. 301—128)

1. In a wheel and axle assembly of the type in which the axle is externally screw threaded and axial adjustment of the wheel on the axle is effected by relative rotation of the two, and wherein the axle has an axial external keyway utilized for locking the wheel in a selected position of axial adjustment, the improvement comprising: a hub for carrying the wheel and including an axial extension portion provided with an external coaxial taper; means including an axially directed opening through the hub and extension portion to receive the axle and provided with an internal screw thread to mate with the axle screw thread; means in the hub including a relieved portion providing for radial flexibility of the hub and extension portion; a radial flange on the hub at the base of the taper on the extension; a locking



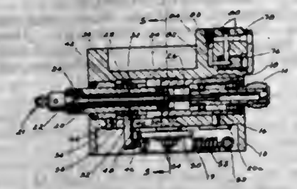
member including a central portion bored to receive the axle and having a counterbore that is internally tapered to receive the tapered hub extension, and further including a radial flange complementary to the hub flange; means including a key element within the bored portion of the locking member and engaging said member and the axle keyway for holding said member against rotation with respect to the axle; and means for securing the flanges together including a plurality of apertures in the locking member flange, a plurality of tapped bores in the hub flange, and a plurality of cap screws passing through said apertures and threaded into said tapped bores.

2,472,743
END STOP FOR SLIDE FASTENERS
Alfred E. Carlile, Great Neck, N. Y., and Alexander M. Brown, Spring Lake Heights, N. J., assignors to Talon, Inc., a corporation of Pennsylvania
Application September 23, 1944, Serial No. 555,440
3 Claims. (Cl. 24—205.11)



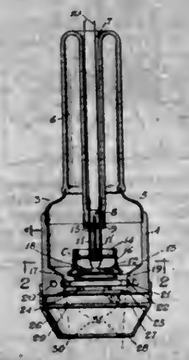
1. An end stop for slide fasteners of the class described, including a series of spaced interlocking fastener elements arranged along the opposed edges of a pair of stringer tapes and a slider mounted thereon for engaging and disengaging the same, consisting of a substantially U-shaped member having a pair of leg portions and a central connecting portion, fabric penetrating attaching means carried by each of said leg portions, said leg portions adapted to be positioned to either side of the fastener elements with attaching means penetrating the stringer tapes rearwardly of said fastener elements and with the open end of said U-shaped member disposed toward the slider with the central connecting portion arranged substantially parallel to the fastener elements whereby the slider is adapted to pass between said leg portions and be seated in the open end of said U-shaped member when it is moved to that end of the fastener at which the stop is positioned.

2,472,744
MACHINE TOOL
Gordon Forbes Esson, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application March 29, 1944, Serial No. 528,647
3 Claims. (Cl. 77—32)



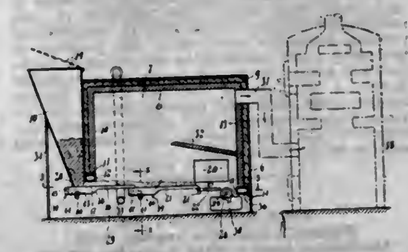
1. A machine tool having, in combination, a rotatable and axially shiftable tool supporting spindle, spring means yieldably urging said spindle toward a retracted position, power actuated means for advancing said spindle in a feeding movement and for releasing the spindle for return by said spring means, said power actuated means including a cam having a gradually sloping surface for effecting the feed of the spindle, said surface terminating in an abrupt drop-off to permit rapid return of the spindle by said spring means, a follower operatively associated with said spindle for shifting movement therewith and engageable by said cam for shifting said spindle in opposition to said spring means, a shaft rotatably supporting said cam, a rack member supported for reciprocation transversely of said shaft, a pinion rigid with said shaft and coacting with said rack, cylinder and piston means reversibly operable in a forward stroke at an adjustable slow speed and in a return stroke at a relatively rapid speed for reciprocating said rack to rotate said shaft alternately in opposite directions, means providing a one-way driving connection between said shaft and said cam to effect positive rotation of said cam and said shaft in one direction in synchronism with said forward stroke of said cylinder and said piston means, and to permit reverse rotation of the shaft during the return stroke of said cylinder and piston means to normal rest position while said cam remains stationary, and control means operable as said cam drop-off moves past said follower and in response to the return of said spindle to effect reversal of said cylinder and said piston means at the end of said forward stroke.

2,472,745
APPARATUS FOR PRODUCING A CONVERGENT X-RAY BEAM
Lude K. Frevel, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application September 19, 1946, Serial No. 697,933
5 Claims. (Cl. 250—142)



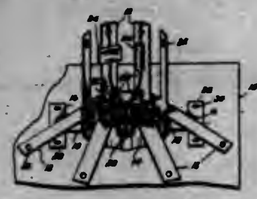
4. A tube for producing a hollow conical beam of X-rays comprising a cathode, an annular target, and an X-ray opaque partition spaced axially from the target in the direction remote from the cathode and closing the tube, such partition having therein an annular X-ray transparent window co-axial with the target and of diameter less than the latter.

2,472,746
HEATING UNIT, INCLUDING RECIPROCATING GRATES
Leslie F. Gough, Toronto, Ontario, Canada
Application March 17, 1947, Serial No. 735,096
3 Claims. (Cl. 110—38)



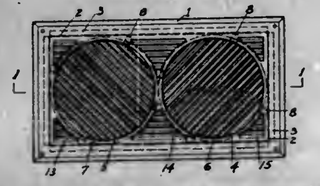
1. In a heating unit, a grate structure comprising a grate bar having depending flanges terminating in flat edge faces constituting bearing surfaces, a rock shaft supported to extend transversely of said grate bar and seating said flat edge faces to provide a support for the grate bar, an arm rigid with said rock shaft and projecting upwardly between said flanges, and means within the confines of said flanges forming a mechanical connection for reciprocating said grate bar when the rock shaft is oscillated, and means for oscillating the rock shaft.

2,472,747
BASE SHIELD
Walter R. Jones, Emporium, Pa., assignor to Sylvania Electric Products, Inc., a corporation of Massachusetts
Application December 17, 1946, Serial No. 716,785
8 Claims. (Cl. 174—35)



1. The combination of a generally circular socket having multiple terminals with a grounding and shielding cage surrounding said socket and having approximately as many strips as the socket has terminals, said strips being wide in comparison to their spacing and being approximately as long as the socket diameter.

2,472,748
AIR REGISTER
Otto A. Labus, La Crosse, Wis., assignor to The Trane Company, La Crosse, Wis.
Application March 8, 1946, Serial No. 652,862
2 Claims. (Cl. 98—40)



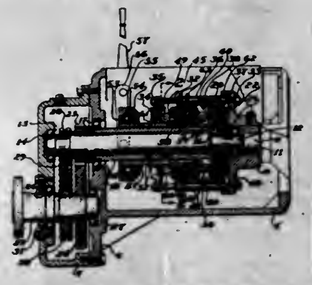
1. An air register comprising a front plate, a rectangular flange fastened to said front plate, a plurality of substantially circular openings in said front plate within the boundary of said rectangular flange, a plurality of longitudinal parallel secondary openings in the portions of the front plate surrounding the circular openings and within the boundary of said rectangular flange, a plurality of circular grilles having blades tilted from the normal, means on the front plate supporting said grilles in said substantially circular openings for rotation with respect to the front plate.

2,472,749
WELL REAMING TOOL
William F. Lake, Los Angeles, Calif.
Application April 10, 1945, Serial No. 587,509
8 Claims. (Cl. 255—73)

1. A well reaming tool including an elongate cylindrical body, longitudinally spaced flanges fixed on the exterior of the body each having circumferentially spaced opposed shoulders extending longitudinally of said body, there being circumferentially faced lips at the shoulders spaced from the exterior of the body forming grooves extending lengthwise of the body, the exterior of the body between the flanges forming a seat, a reaming element carried on said seat and between said flanges, and shoes at the flanges engaging the reaming element retaining it on the seat and having oppositely projecting lips engaged in said grooves, and like removable annular retainers around the body at the flanges holding the shoes against axial movement.



2,472,750
MULTIPLE CLUTCH
Francis L. Lavash, Dedham, Mass., assignor to Kinney Manufacturing Company, Jamaica Plain, Mass., a corporation of Massachusetts
Application December 21, 1945, Serial No. 636,202
8 Claims. (Cl. 192—48)



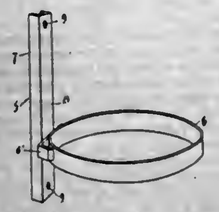
1. A clutch for a unit having a pair of concentric driven shafts, a flanged driving member axially alined with said shafts and constituting a backing element, a clamping plate slidable relative to said backing element, a first pressure plate supported in a fixed relation to said backing plate, a second pressure plate slidable relative to said clamping plate, a clutch disc on each of said shafts separated from each other by said clamping plate, a mount movable with said clamping plate and located between said pressure plates, a shifter slidable with reference to said shafts and having two operative positions and an intermediate inoperative position, and first and second sets of thrust means carried by said mount, said first set of thrust means being engaged and wedged into contact with said first pressure plate by said shifter as it is moved into one operative position thereby to cause said thrust plate to clamp one of said clutch discs against said backing plate and the other set of thrust means being engaged and wedged into contact with said second pressure plate by said shifter as it is moved into the other operative position thereby to clamp said other clutch disc between it and said clamping plate.

2,472,751
GLOVE INCORPORATING A CHANGE PURSE
Harriette Le Clair, Brockton, Mass.
Application March 15, 1946, Serial No. 654,580
3 Claims. (Cl. 2—160)



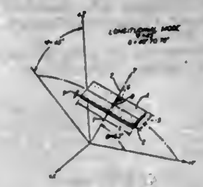
1. A palm purse for a glove, mitten or the like comprising in combination the said glove; sheet material lining the inner side of the palm thereof; and stitches securing the said lining to material of the palm of the glove, so that interiorly the glove has a pocket whose opening is on that side of the pocket which is toward the thumb edge of the palm; the said pocket extending farther toward the fingers of the glove than does the said interior opening; there being an exterior opening in the surface material of the glove at the thumb edge of the palm, the way between said exterior and interior openings being aligned in the direction of the wrist; whereby a purse is constituted, whose contents the glove tends to retain while the glove is being worn, except when the hand that is wearing this glove is first pointed upward for gravity to shift the contents toward the wrist, and afterward is pointed downward, and has its thumb edge downward.

2,472,752
MOUNTING BRACKET FOR TRANSFORMERS
Edward J. Mackereth, Mimico, Ontario, Canada
Application July 21, 1944, Serial No. 546,046
1 Claim. (Cl. 248—221)



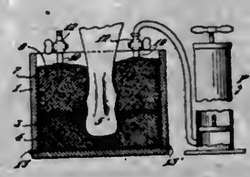
A mounting of the class described comprising a bracket formed of a channel member and a substantially circular ring, the channel member being vertically arranged with its back portion welded to the ring so that the flange portions thereof are adapted to bear against a side of a pole in the securing of the channel member directly to the pole, the ring being extended at right angles to the channel member and braced at its juncture therewith by means of lateral arms welded to the channel member and to the ring to form therewith a sturdy structure suitable for supporting a rural transformer sealed in a case having bushings on its top end displaced from the vertical axis thereof and having a shoulder about its girth whereby it is seated loosely in said ring for rotary adjustment in locating the bushings to suit prevailing line conditions.

2,472,753
PIEZOELECTRIC CRYSTAL APPARATUS
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 16, 1946, Serial No. 690,872
11 Claims. (Cl. 171—327)



1. An elongated ethylene diamine tartrate piezoelectric crystal plate having its thickness or thinnest axis dimension disposed in a plane containing the Y axis and inclined at an angle of substantially 63 degrees with respect to the +Y axis as measured from the said +Y axis toward the plane of the +X and +Z axes, said plane containing said Y axis being inclined at an angle of substantially 45 degrees with respect to said +Z axis as measured from said +Z axis toward said +X axis in said plane of said +X and +Z axes, the lengthwise or longest axis dimension of said crystal plate lying substantially in said plane containing said Y axis.

2,472,754
METHOD FOR MAKING AND MAINTAINING AN IMPRESSION OF THE SHAPE OF AN OBJECT
Warren J. Mead, Belmont, Mass.
Application October 20, 1945, Serial No. 623,517
4 Claims. (Cl. 18—55)



1. The method of making and maintaining an impression of the shape of an object by means of a plurality of deformable, impression receiving units, each unit comprising a container wall of flexible, extensible and impervious sheet material filled with a deformable mass of mixed granular material and fluid, which method comprises packing a number of said deformable units about the object so that the assembled units will envelop and conform to that surface of the object which is to be duplicated, solidifying the granular mass in each unit by reducing the pressure of the fluid therein, and removing the object from the solidified units.

2,472,755
DI-(2-CHLORO-CYCLOHEXYL)-SULFIDE AS INSECTICIDE
Harold W. Moll, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application July 22, 1944, Serial No. 546,203
4 Claims. (Cl. 167—30)

1. A moth-proofing composition including a solution of di-(2-chloro-cyclohexyl)-sulfide in a volatile organic solvent.

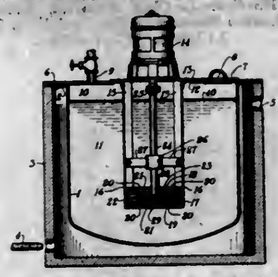
2,472,756
PARTITION STRUCTURE
Nels Nelson, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application November 23, 1943, Serial No. 511,451
3 Claims. (Cl. 72—46)



1. A partition construction of the non-load bearing type characterized by its relative thinness, rigidity and high resistance to failure by impact, comprising a series of relatively tall, thin and flexible plaster receiving bases, one of the ends of the said bases engaged between the converging projecting edges of a runner attached to a ceiling, one of the said converging projecting edges being longer than the other, the other end of the said bases engaged by a groove in floor runner, the said floor runner being substantially in parallel coplanar relationship with the ceiling runner, a set plastic composition disposed about and upon the surfaces, and including the ends of said bases in a thickness of substantially not less than one and one-half inches to provide a strong rigid substantially monolithic appearing partition wall construction.

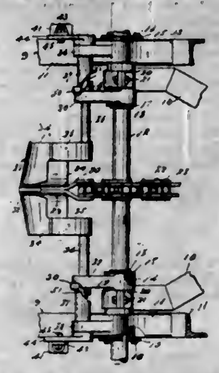
2,472,757
MECHANICAL METHOD FOR GRAIN REFINING MAGNESIUM ALLOYS
John S. Peake, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application February 16, 1945, Serial No. 578,254
6 Claims. (Cl. 75—67)

6. A method of grain refining aluminum magnesium casting alloys including mechanically agitating a body of the molten alloy while at a temperature of approximately 1400° F. just prior



to casting, and without the introduction thereinto of any carbonaceous material.

2,472,758
TRENCH EXCAVATOR SHOVEL AND SCRAPER
Daniel F. Przybylski, Winona, Minn.
Application November 23, 1945, Serial No. 630,311
6 Claims. (Cl. 37—83)

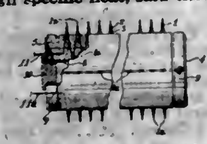


1. In an excavator, the combination with a drive wheel and a conveyor arranged to run over said wheel, of a shovel having an upstanding post attached to the conveyor, a pair of scrapers for the shovel spaced apart to leave a passageway therebetween for the post, said scrapers being pivoted for independent movement with the shovel when held by an obstruction thereon, means independent of the pivotal movement of each scraper for moving the same outwardly from the post as said scraper is moved with the shovel, and yielding means under strain to hold each scraper in normal position.

2,472,759
THERMOPILE FOR MEASURING AIR TEMPERATURES
August Raspet, Locust Valley, N. Y.
Application May 3, 1945, Serial No. 591,721
1 Claim. (Cl. 136—4)

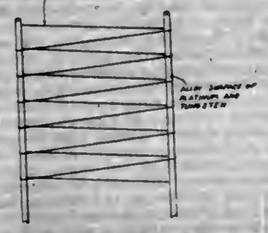
A free-air thermometer adapted to measure the temperature of an air stream, comprising, in combination, a cylindrical metal chamber adapted to hold a refrigerant, arcuate sections of a

metal of high specific heat mounted on the surface of said chamber so as to substantially surround the chamber, corresponding arcuate sections of an insulating material mounted on the outer surface of said arcuate sections of metal, a plurality of multi-junction thermopiles corresponding in number to the arcuate sections of metal of high specific heat, said thermopiles be-



ing positioned longitudinally of said refrigerating chamber and disposed between the arcuate sections with alternate junctions closely adjacent to but insulated from the said arcuate sections of metal and the other junctions extending outside said insulating material so that they will be exposed to an air stream the temperature of which is to be measured.

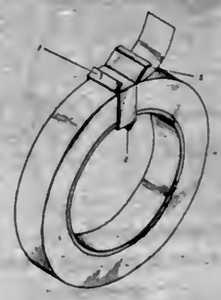
2,472,760
ELECTRODE FOR ELECTRON DISCHARGE DEVICES
Harry L. Ratchford, Williamsport, Pa., assignor to Sylvania Electric Products Inc., Emporium, Pa., a corporation of Massachusetts
Application December 30, 1943, Serial No. 516,251
2 Claims. (Cl. 250—27.5)



1. A wire grid electrode for use within an electron tube and subjected to electron bombardment during the normal operation of the tube, said electrode comprising an alloy of approximately 96% platinum and 4% tungsten to increase the stiffness of the electrode while preserving the low electron-emissive properties of platinum.

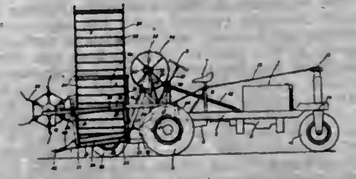
2,472,761
TAPE DISPENSER
Arthur B. Reed, Shreveport, La.
Application September 3, 1946, Serial No. 694,663
1 Claim. (Cl. 164—84.5)

In a tape dispenser; a frame, and a thumb tab, a finger tab, a cutting table support, all carried by said frame, a cutting table carried by said cutting table support, said frame consisting of a sleeve of rectangular cross section, the sides of said frame being in relative spaced parallelism, and the top and bottom of said frame being in relative spaced parallelism, said thumb tab supported by and extending at a forward and upward inclination from the back edge of said top, said cutting table support extending at a forward and upward inclination from the front edge of said top, said cutting table extending in a forward and horizontal direction from the front edge of said cutting table support, said finger tab



supported by and extending at a downward and backward inclination from the front edge of said bottom, and all of the foregoing parts being composed of a single piece of sheet material.

2,472,762
HARVESTER
Harry C. Sage, Stockton, Calif., assignor to Thomson-Sage, Inc., Stockton, Calif., a corporation of California
Application April 11, 1944, Serial No. 530,459
8 Claims. (Cl. 56—23)

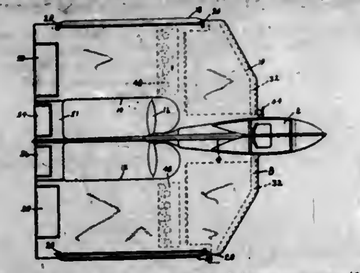


4. In combination, a tractor, a header including a sickle bar and a side delivery draper, means mounting the header on the tractor for vertical adjustment relative to the tractor, a laterally extending upwardly inclined elevator conveyor pivotally connected to the header at a point adjacent the side delivery draper and arranged to receive material from the draper, a ground engaging wheel disposed laterally of the tractor, and means supporting the conveyor on the wheel at a point intermediate the ends of such conveyor, and means hingedly connecting said supporting means with the tractor frame and header, respectively.

2,472,763
AIRPLANE
Jack F. Rodeck, Odessa, Wash.
Application August 5, 1946, Serial No. 686,434
7 Claims. (Cl. 244—13)

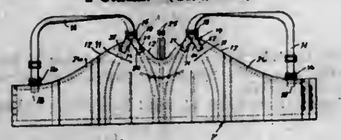
1. In an airplane the combination with a fuselage having spaced upper and lower rearwardly extending vertical fins, and wings extending substantially the full length of the fuselage and centrally recessed to form with the spaced fins an open center, of propulsion means located forwardly in the open center, an open frame connecting the aft end of the wings and fins and

aligned to permit the passage of the propulsion blast therethrough, and rudder flaps on the



frame independently controlled to maneuver the airplane.

2,472,764
BRASSIÈRE
Louis Shulman, New York, N. Y.
Application June 21, 1947, Serial No. 756,161
1 Claim. (Cl. 2—42)



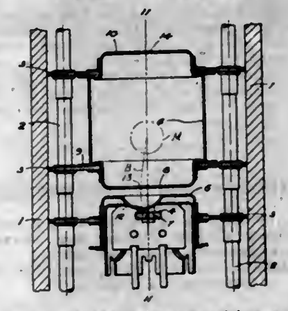
The combination with a brassière having two breast receiving pockets and a top edge portion which is low between said pockets and curves upwardly to the tops of said pockets and downwardly to the end portions of the brassière and shoulder straps connected at one of their ends with the end portions of said brassière and having hooks at their other ends, of a cross strap anchorage on the top of each of said pockets for receiving said hooks, each cross strap anchorage comprising a pair of straps crossing at the top of each pocket for one of said hooks to hook beneath the crossing sections of said pair of straps, and said pair of straps having portions continuing from said crossing sections and extending obliquely downward upon the front and back faces of said pockets and attached at their bottom ends to the front and back faces of the material of said pockets.

2,472,765
STRAPLESS BRASSIÈRE
Louis Shulman, New York, N. Y.
Application October 15, 1947, Serial No. 779,964
1 Claim. (Cl. 2—42)



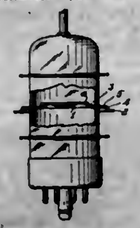
In a strapless brassière, a sufficient length of elastic tape mounted across the top portion of the brassière in order to contract said top portion sufficiently when the brassière is in a free condition to give the brassière a U-shape in which the end portions of the brassière extend upwards of the central portion, and means for connecting said end portions when said brassière is stretched straight about a wearer's body and worn in order that the central portion of the brassière is forced upwards for lifting the breasts.

2,472,766
CATHODE-RAY TUBE
Leonard Albert Woodbridge, Woodford, England, assignor to A. C. Cossor Limited, London, England, a British company
Application December 21, 1945, Serial No. 636,454
In Great Britain December 28, 1944
5 Claims. (Cl. 250—162)



1. A cathode ray tube comprising an evacuated envelope having a neck-portion and a bulbous portion symmetrical about a common axis with a fluorescent screen on the end of the said bulbous portion, an electron gun arranged within said neck portion symmetrically about said axis but having its grid and first anode apertured eccentrically with respect thereto in the same radial direction so that an emergent electron and ion beam is skewed with respect to said axis, and deflecting means acting upon said emergent electron and ion beam to restore the electron portion of the beam to coincidence with the said axis but leaving the ionic portion of the emergent beam relatively undeflected so that the said ionic portion strikes a part of the cathode ray tube other than the said fluorescent screen.

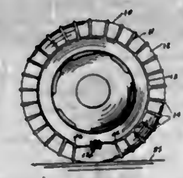
2,472,767
ELECTRON TUBE GRID STRUCTURE
Joseph B. Zetka, Clifton, N. J., assignor to Sylvania Electric Products, Inc., a corporation of Massachusetts
Application March 19, 1947, Serial No. 735,723
3 Claims. (Cl. 250—27.5)



1. A mesh grid for an electron tube comprising a mesh of relatively hard wires and an annular

grid frame of softer metal, the wires having their ends embedded adjacent the inner edge of the annular grid frame.

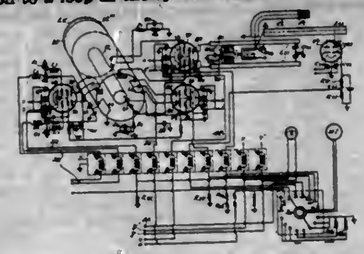
2,472,768
MEANS FOR APPLYING AND SECURING ANTISKID CHAINS
Joseph D. Carroll, McKeesport, Pa.
Application June 28, 1946, Serial No. 680,031
3 Claims. (Cl. 152—241)



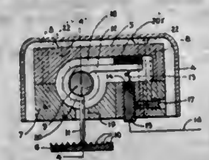
3. A connector for yieldably drawing the opposed ends of a side chain of a vehicle anti-skid chain, said connector comprising closed dashpot cylinder means, plunger means having rod means extending through outer end portions of the cylinder means and having means for connection to at least one of the opposed ends of the side chain, spring means normally pressing the plunger means away from the rod means whereby to pull the end portions of the side chain toward said cylinder means, additional connecting means extending past and operatively connected to said cylinder means for further connection to end portions of said side chain, and normally closed air-escape valve means communicating interiorly with the cylinder means, the valve means when closed serving to prevent the plunger means from leaving innermost positions within the cylinder means whereby the connector is maintained in contracted condition, the valve means when closed also preventing the plunger means from leaving outermost positions within said cylinder means, whereby said connector is maintained in expanded condition with said spring means in compressed condition, until said valve means be opened to exhaust air accumulated in the cylinder means behind said plunger means and permit said spring means to contract the connector and draw the end portions of the side chain toward each other.

2,472,769
SIGNALING SYSTEM
Halian Eugene Goldstine, Fort Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 7, 1945, Serial No. 581,412
6 Claims. (Cl. 332—28)

1. In a signalling system, a resonant line comprising two parallel conductors conductively connected together at one end, said conductors having portions of close spacing and portions of wide spacing, apparatus for relatively adjusting the lengths of the conductors for tuning purposes, a tube generator having its input and output electrodes regeneratively coupled by loops in the space between said conductors, a reactance tube having its output electrodes coupled to a loop in the space between said conductors and having its input electrodes coupled to a loop in the space between said conductors, a phase shifting network in one of said last two couplings, an output tube having input electrodes coupled for excitation to a loop in the space between said conductors, and a load circuit coupled to said output tube.



2,472,770
RESISTANCE APPARATUS FOR CONVERTING MECHANICAL MOVEMENT INTO ELECTRICAL PULSES
Leo L. Helterline, Jr., Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application November 20, 1945, Serial No. 629,854
5 Claims. (Cl. 179—100.41)

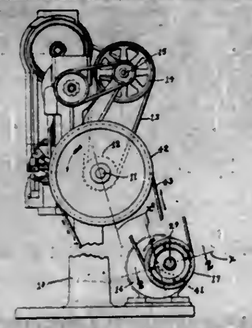


1. In an apparatus for producing electrical impulses from a sound record having a groove therein, a modulator member comprising a casing an operating shaft supported in the casing for slight rotative oscillating movement, a sound record having a sound groove therein, a pointed needle engaging the sound groove and acting to move the operating shaft in accordance with the sound record in said groove, an arm secured to and extending outward from the shaft, a resilient wire secured to the outer end of said arm, a semi-conducting member having a face thereof disposed in engagement with said wire said semi-conducting member having the characteristic of varying the impedance of its contact with said wire in accordance with varying pressure applied thereto, and electrical connections from said wire and semi-conducting member for connection in a circuit.

2,472,771
REDUCTION DRIVE MECHANISM
Otto J. Huelster, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application December 12, 1945, Serial No. 634,458
9 Claims. (Cl. 74—242.9)

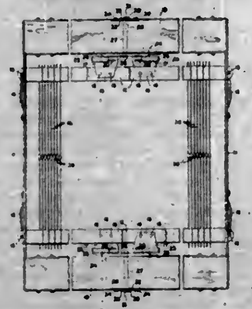
1. A reduction drive for machines of the class described, said drive comprising a unit adapted for mounting on the shaft of an electric motor, the unit comprising a cup-shaped pulley, an internal gear in said pulley, a frame arranged in the pulley and having a shaft portion forming an axis of rotation of the pulley about said frame, a bearing portion on the frame offset with respect to said shaft, a bushing in said bearing portion,

means for coupling a motor shaft with said bushing, the bushing including a protruding stud, means on said stud and on said bushing engaging



the frame to retain the bushing against displacement from the frame, and a pinion secured to said stud and meshing with said internal gear.

2,472,772
LOOM HARNESS
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 27, 1947, Serial No. 776,431
6 Claims. (Cl. 139—92)



1. In loom harness including a heddle frame having top and bottom rails and a pair of heddle supporting rods at the top and at the bottom adjacent said rails, said heddle supporting rods comprising thin flat metallic strips removably mounted in said frame, the means for supporting said rods intermediate the ends thereof comprising, at each location, a bracket mounted in the rail, a member secured to each rod, and said members being spaced longitudinally of said rods, said members detachably engaging said bracket, and means for normally maintaining said members in locked engagement with the bracket.

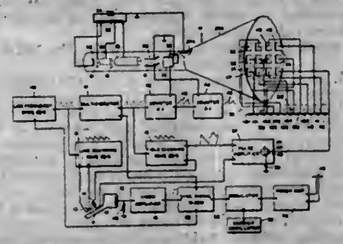
2,472,773
CIGAR AND CIGARETTE LIGHTER
Heard Lee, Houston, Tex., assignor of one-half to T. S. McFarland, Cook County, Ill.
Application February 19, 1946, Serial No. 648,616
1 Claim. (Cl. 67—7.1)

A cigar and cigarette lighter comprising, a hollow cylindrical liquid fuel container having a wick therein with an exposed end, a cylindrical shaped housing fitted over one end of the container and enclosing the exposed end of the wick, said housing having an elongated slot, a side opening opposite the slot and an axial bearing, a shaft rotatable in said bearing, a beveled friction wheel fixed to the inner end of the shaft and a disc fixed to the outer end of the shaft whereby the shaft may be turned, a friction stone in the housing positioned adjacent the exposed end of the wick and in contact with the friction wheel, an extended shank on one end of which the friction stone is fixed, a screw extended through said slot whose inner end is threaded into said shank and whose outer end is provided with an enlarged head, said



housing having an external countersunk portion about the slot in which said head is located, said screw being releasable to permit adjustment of the screw, shank and friction stone with relation to the friction wheel and said screw and enlarged head forming clamp means for clamping the shank and friction stone at a selected place of adjustment, the end of the container, enclosed by said housing being beveled opposite said opening thus providing space within the housing in which the friction wheel operates, said container having a filling inlet duct leading inwardly from said beveled face for filling purposes, a removable plug for closing said duct and a shutter for closing said opening.

2,472,774
IRREGULAR INTERLACE SCANNING SYSTEM
Louis F. Mayle, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application October 17, 1945, Serial No. 622,752
6 Claims. (Cl. 178—7.7)



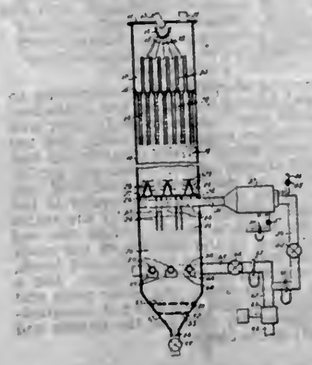
5. A scanning circuit for determining the order of interlace of successive scanning fields of a

television tube comprising first electron deflecting means for defining the horizontal component of a scanning trace, second electron deflecting means including a source of waves for defining the vertical component of said scanning trace, pulse generating means for generating pulses equal in duration to that of one of said waves and of irregular amplitude to provide irregular order of interlace comprising a cathode ray tube for generating a cathode beam, a plurality of electrodes in said tube arranged to be scanned successively by said cathode beam, and deflecting means connected to said source of waves for deflecting said beam into impingement with one of said electrodes after another at the same periodicity as said waves, potential divider means including sections connected between different ones of said electrodes for providing different potentials of irregular amplitude incident to impact of electrons on said electrodes, and means for superimposing said potentials on said waves.

2,472,775
METHOD OF TREATING POTATOES
Joseph F. P. Newhall, St. Petersburg, Fla., assignor to S. C. Johnson & Son, Inc., Racine, Wis.
No Drawing. Application September 27, 1946, Serial No. 699,639
1 Claim. (Cl. 99—168)

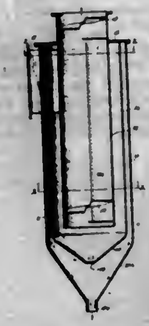
A method of treating a potato to inhibit shrinkage and sprouting thereof during storage comprising adding methyl ester of alpha naphthaleneacetic acid to aqueous wax emulsion, agitating the wax emulsion sufficiently to form a foam, and applying the foam directly to said potato, forming a water-insoluble wax coating on the surface of said potato, said coating retaining said ester in direct contact with said potato while inhibiting the vaporization thereof.

2,472,776
METHOD OF HEAT-TREATING PARTICLE-FORM SOLID ADSORBENTS
John W. Payne, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application March 4, 1947, Serial No. 732,304
16 Claims. (Cl. 252—410)



1. A method for heat treating particle form gel type solid adsorbent materials at controlled elevated temperatures without substantial cracking of the solid particles which comprises the steps: heating said solid material by indirect heat transfer to a temperature sufficiently high to insure substantially complete moisture removal and of the order of about 500° F. to 700° F. at a rate of about 75° F. to 150° F. per hour, further heating said solid material to a predetermined heat treating temperature within the range 1000° F. to 1600° F. at a substantially higher rate, maintaining said solid material near said predetermined heat treating temperature while subjecting it to contact with a steam containing gas for a period of about 2 to 20 hours and cooling said heat treated solid material by direct contact with a suitable cooling gas, which is substantially chemically inactive with relation to the solid material.

2,472,777
TRIPLE TUBE CYCLONE SEPARATOR
David H. Putney, Kansas City, Mo., assignor to Stratford Development Corporation, Kansas City, Mo., a corporation of Delaware
Application February 26, 1947, Serial No. 731,504
2 Claims. (Cl. 183—83)

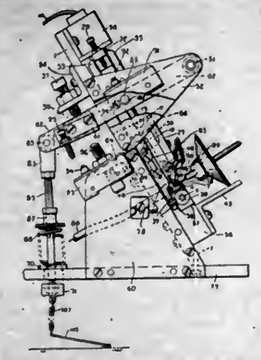


1. A separator for removing entrained solid particles from gaseous materials comprising three vertical concentric vessels, the inner vessel open-ended at top and bottom, the top opening constituting a gas discharge outlet, the two outer vessels closed at the top and tapered at the bottom to form restricted bottom openings in the respective vessels, said openings in spaced relation below the bottom opening of the inner vessel, an inlet connected tangentially into the upper portion of the intermediate vessel for introducing gases and entrained solids to the space between the inner and intermediate vessels, an outlet for the removal of solids at the bottom of the outer vessel, and slotted passageways in the walls of the inner and intermediate vessels for removing solids from the gaseous materials passing respectively therethrough.

2,472,778
COIL CLAMPING METHOD AND APPARATUS
Gerald S. Quinn, Salem, Mass., and James E. McLoughlin, New Haven, Conn., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application May 22, 1948, Serial No. 28,574
10 Claims. (Cl. 219—3)

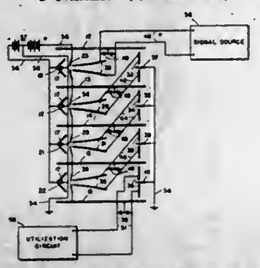
1. The method of closing a metal hook about a wire member which comprises: sequentially po-

sitioning the wire member in the hook, bringing a



heating means into engagement with the hook, heating the hook, and deforming the heated hook.

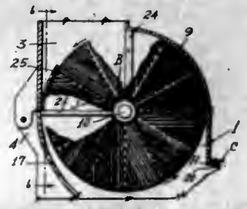
2,472,779
CATHODE-RAY TUBE AMPLIFIER
Paul J. Selgin, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application February 17, 1947, Serial No. 729,022
3 Claims. (Cl. 315—13)



1. A cathode ray tube comprising, an evacuated envelope, means for producing a plurality of electron beams, a pair of deflecting plates and a pair of target electrodes for each of said beams, a plurality of pairs of resistors mounted in said envelope, there being one pair of said resistors for each of said beams, and conductors coupling respective pairs of said resistors to the target electrodes for one of said beams and to the deflecting electrodes for another one of said beams.

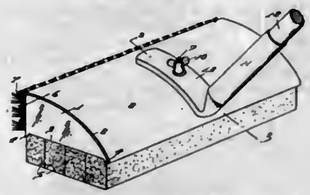
2,472,780
CEREAL GRAIN CRACKING MACHINE
John W. Thomas, Wichita, Kans., assignor to Thomas, Stone & French, Inc., Wichita, Kans.
Application August 27, 1945, Serial No. 612,771
2 Claims. (Cl. 241—245)

1. In a machine of the class described for cracking grain, a casing comprising a hood hingedly connected to the casing and a hopper positioned on the hood, and a hollow portion to carry the casing, said hopper to receive grain and discharge the same into the casing and a bottom for the hollow portion, said bottom slanting downwardly and outwardly from the hollow portion to function as a discharge for the grain from the casing, a disc rotor having a smooth periphery and grooved sides, said disc rotor having a shaft and being journalled in the casing, elongated cutting blades adjustably carried by the casing and extending outward in the same direction from the turning



axis of the rotor and being on a horizontal plane therewith and the cutting edges of the blades extending in and toward their respective grooved sides of the rotor, and bars vertically secured to the hood side walls inwardly thereof, said bars extending from the shaft to the casing thereabove to close the space between the walls and sides of the rotor to restrict the flow of grain to the approaching movement of the rotor and to avoid continuous rotation of the grain with the rotor while cracking the grain.

2,472,781
SCRUBBING AND MOPPING DEVICE
Thomas S. Vosbikian and Peter S. Vosbikian, Melrose, Pa.
Application August 22, 1947, Serial No. 770,026
1 Claim. (Cl. 15—115)



A scrubbing and mopping device, comprising an elongated block having its bottom and a side face at substantially right angles to each other and intended to receive cleaning material, the top face of the block being convex transversely and straight longitudinally of the block and inclining rearwardly and downwardly from said side face, a cover plate conforming generally to the contour of and covering substantially the entire top face of the block, a handle having one end shaped to conform to the contour of the cover plate, a single bolt passing through said block, cover plate and said end of the handle, and a nut for said bolt to clamp the cover plate and handle to said block, said bolt and nut constituting the sole means for securing the handle end and cover plate to the block.

DESIGNS

JUNE 7, 1949

154,013
DESIGN FOR A BRASSIÈRE
Pierre Amyot, Quebec, Quebec, Canada
Application July 5, 1947, Serial No. 140,131
Term of patent 14 years
(Cl. D20—4)



The ornamental design for a brassière, as shown and described.

154,014
DESIGN FOR A WRIST WATCH BRACELET
Eric G. O. Anderson, Cranston, R. I., assignor to Everfine Jewelry Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application December 20, 1946, Serial No. 135,653
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a wrist watch bracelet, as shown and described.

154,015
DESIGN FOR A TOP SHELL FOR AN EXPANSIBLE BRACELET OR SIMILAR ARTICLE
Eric G. O. Anderson, Cranston, R. I., assignor to Everfine Jewelry Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application July 28, 1947, Serial No. 140,557
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a top shell for an expansible bracelet or similar article, as shown.

154,016
DESIGN FOR A FINGER RING OR THE LIKE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application September 29, 1947, Serial No. 141,631
Term of patent 14 years
(Cl. D45—10)



The ornamental design for a finger ring or the like, substantially as shown.

154,017
DESIGN FOR A FINGER RING OR THE LIKE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application September 29, 1947, Serial No. 141,632
Term of patent 14 years
(Cl. D45—10)



The ornamental design for a finger ring or the like, substantially as shown.

154,018
DESIGN FOR A FINGER RING OR THE LIKE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application September 29, 1947, Serial No. 141,638
Term of patent 14 years
(Cl. D45—10)



The ornamental design for a finger ring or the like, substantially as shown.

154,019
DESIGN FOR A RING OR SIMILAR ARTICLE
Nicholas Barbieri, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application February 16, 1948, Serial No. 144,516
Term of patent 14 years
(Cl. D45—10)



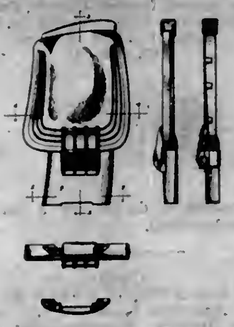
The ornamental design for a ring or similar article, substantially as shown and described.

154,020
DESIGN FOR A JEWELRY CHAIN
Paul Bardach, Providence, R. I.
Application February 24, 1948, Serial No. 1,051
Term of patent 3½ years
(Cl. D45—16)



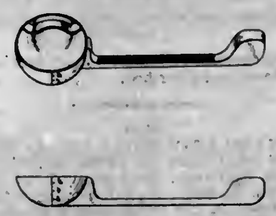
The ornamental design for a jewelry chain, substantially as shown.

154,021
DESIGN FOR A CHAIR END STANDARD
Willard H. Bond, Jr., Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application January 22, 1948, Serial No. 143,983
Term of patent 14 years
(Cl. D15—8)



The ornamental design for a chair end standard, substantially as shown.

154,022
DESIGN FOR A MEASURING SPOON
Carl E. Bretney, Toledo, Ohio
Application March 26, 1947, Serial No. 137,900
Term of patent 3½ years
(Cl. D44—29)



The ornamental design for a measuring spoon, as shown.

154,023
DESIGN FOR A SOFA
Anthony J. Buckner, Jackson Heights, N. Y., assignor to Grosfeld House, Inc., New York, N. Y.
Application December 23, 1947, Serial No. 143,294
Term of patent 7 years
(Cl. D15—11)



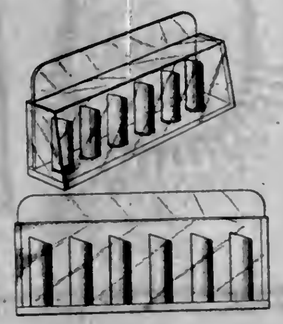
The ornamental design for a sofa, substantially as shown and described.

154,024
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Edward J. Conroy, Meriden, Conn., assignor to The International Silver Company, Meriden, Conn., a corporation of Connecticut
Application April 16, 1947, Serial No. 138,437
Term of patent 14 years
(Cl. D54—12)

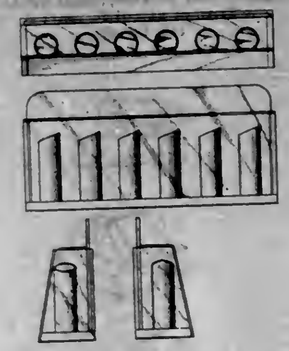


The ornamental design for a spoon or other article of flatware, substantially as shown and described.

154,025
DESIGN FOR A COMBINED DISPLAY CASE AND LIPSTICK EXHIBIT
Irving Willard Crull, Geneva, Ill., assignor to Campana Sales Company, Batavia, Ill., a corporation of Delaware
Application November 13, 1946, Serial No. 134,760
Term of patent 14 years
(Cl. D80—9)

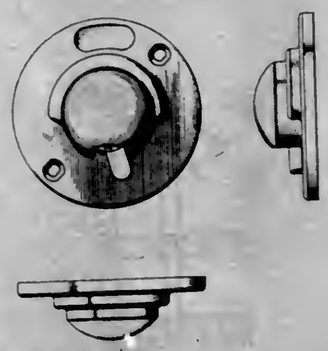


154,025—Continued



The ornamental design for a combined display case and lipstick exhibit, substantially as shown.

154,026
DESIGN FOR A BOX COVER SWITCH
Victor R. Despard, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application February 24, 1948, Serial No. 144,676
Term of patent 14 years
(Cl. D26—13)



The ornamental design for a box cover switch, as shown.

154,027
DESIGN FOR A SUCTION CLEANER CASING
Henry Dreyfuss, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 16, 1948, Serial No. 147,632
Term of patent 14 years
(Cl. D9—2)



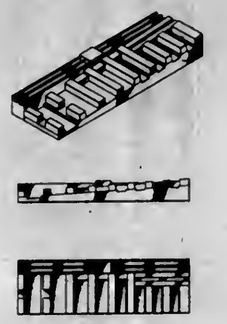
The ornamental design for a suction cleaner casing, as shown.

154,028
DESIGN FOR A HOLDER FOR A KEYWAY BROACH AND BUSHING SET
William B. du Mont, Greenfield, Mass., assignor to The du Mont Corporation, Greenfield, Mass., a corporation of Massachusetts
Application October 30, 1947, Serial No. 142,221
Term of patent 3½ years
(Cl. D80—5)



The ornamental design for a holder for a keyway broach and bushing set, as shown.

154,028
DESIGN FOR A HOLDER FOR A KEYWAY BROACH AND BUSHING SET
William B. du Mont, Greenfield, Mass., assignor to The du Mont Corporation, Greenfield, Mass., a corporation of Massachusetts
Application October 30, 1947, Serial No. 142,222
Term of patent 3½ years
(Cl. D80—5)



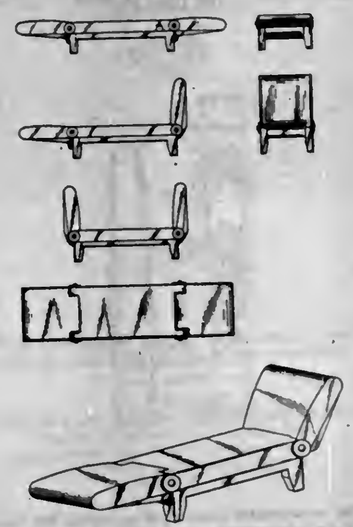
The ornamental design for a holder for a keyway broach and bushing set, as shown.

154,030
DESIGN FOR A NECKLACE
Maurice Duvalet, Congers, N. Y., assignor to Van Cleef & Arpels, Inc., New York, N. Y., a corporation of Delaware
Application March 22, 1949, Serial No. 1,572
Term of patent 7 years
(Cl. D45—16)



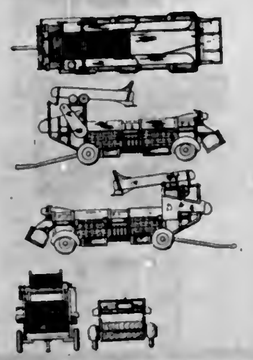
The ornamental design for a necklace, substantially as shown.

154,031
DESIGN FOR A COMBINATION LOVE SEAT, LOUNGE, AND BED
Robert N. Eisendrath, Chicago, Ill.
Application May 15, 1947, Serial No. 139,045
Term of patent 14 years
(Cl. D15—11)



The ornamental design for a combination love seat, lounge, and bed, as shown.

154,032
DESIGN FOR A TRAILER FOR GRADING ARTICLES
Earl A. Ernst, Bakersfield, Calif.
Application May 19, 1947, Serial No. 139,142
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a trailer for grading articles, substantially as shown.

154,033
DESIGN FOR AN ARTIFICIAL FISH LURE
Joseph V. Ferriot, Akron, Ohio
Application April 21, 1948, Serial No. 145,882
Term of patent 14 years
(Cl. D31—4)



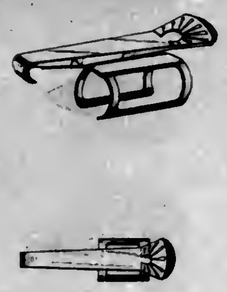
The ornamental design for an artificial fish lure, substantially as shown and described.

154,034
DESIGN FOR A WRITING INSTRUMENT
Howard L. Fischer, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application March 28, 1947, Serial No. 137,998
Term of patent 14 years
(Cl. D74—24)



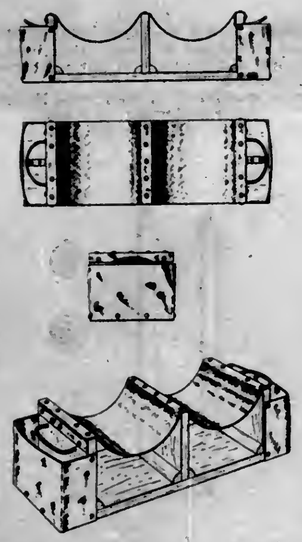
The ornamental design for a writing instrument, as shown.

154,035
DESIGN FOR A PEN AND PENCIL CLIP
Floyd P. Griffith, Appalachia, Va.
Application July 15, 1948, Serial No. 147,577
Term of patent 3½ years
(Cl. D74—1)



The ornamental design for a pen and pencil clip, as shown and described.

154,036
DESIGN FOR A KNEELING HAMMOCK
Melvin R. Grubb and Nerina C. Grubb, Mission, Kans.
Application August 11, 1947, Serial No. 140,822
Term of patent 14 years
(Cl. D15—8)



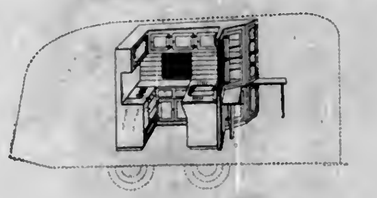
The ornamental design for a kneeling hammock, as shown.

154,037
DESIGN FOR A HANDLE FOR TABLE FLATWARE
Armand M. Guier, New York, N. Y., assignor to Imperial Dania Silver Corp., New York, N. Y.
Application October 13, 1948, Serial No. 149,106
Term of patent 7 years
(Cl. D54—12)



The ornamental design for a handle for table flatware, substantially as shown and described.

154,038
DESIGN FOR A COMBINED TABLE, SINK, STOVE, AND CABINET UNIT FOR VEHICLE TRAILER
Donald F. Ham, Chicago, Ill., assignor to Chicago Streamlite Corporation, Chicago, Ill., a corporation of Illinois
Application December 3, 1947, Serial No. 142,928
Term of patent 3½ years
(Cl. D14—3)



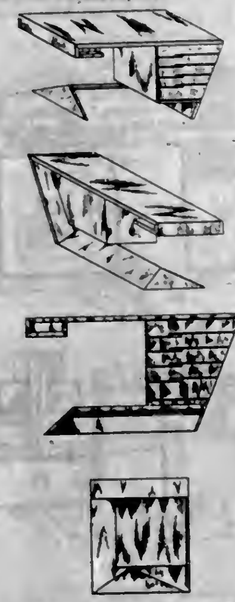
The ornamental design for combined table, sink, stove, and cabinet unit for vehicle trailer, substantially as shown and described.

154,039
DESIGN FOR A RING OR SIMILAR ARTICLE
Anton Hoeckele, Providence, R. I., assignor to Clark & Coombs Company, a corporation of Rhode Island
Application August 23, 1947, Serial No. 141,024
Term of patent 7 years
(Cl. D45—10)



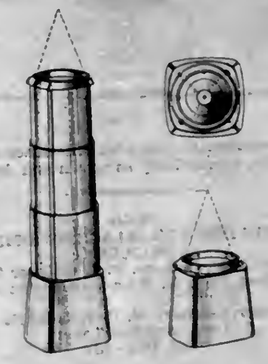
The ornamental design for a ring or similar article, substantially as shown and described.

154,040
DESIGN FOR A DESK OR SIMILAR ARTICLE
Dan R. Johnson, Los Angeles, Calif.
Application July 7, 1947, Serial No. 140,143
Term of patent 3½ years
(Cl. D33—7)



The ornamental design of a desk or similar article, substantially as shown.

154,041
DESIGN FOR A TELESCOPIC PAPER CUP DISPENSER
Gerald C. Johnson, Bronxville, and Albert A. Perelman, Brooklyn, N. Y., assignors to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application April 21, 1948, Serial No. 145,888
Term of patent 14 years
(Cl. D52—2)



The ornamental design for a telescopic paper cup dispenser, substantially as shown and described.

154,042
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application May 12, 1948, Serial No. 146,322
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a container cap, substantially as shown.

154,043
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 24, 1949, Serial No. 1,049
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

154,044
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 24, 1949, Serial No. 1,050
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

154,045
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 26, 1949, Serial No. 1,120
Term of patent 7 years
(Cl. D45—16)



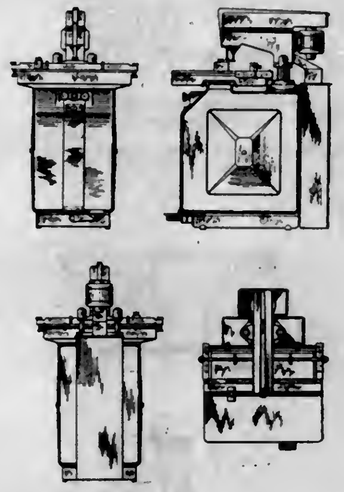
The ornamental design for a necklace or similar article, substantially as shown and described.

154,046
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 26, 1949, Serial No. 1,121
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

154,047
DESIGN FOR A SINGLE SPINDLE HYDRAULIC PAPER DRILL OR SIMILAR ARTICLE
David G. Lammi, Chicago, Ill.
Application January 29, 1948, Serial No. 144,137
Term of patent 14 years
(Cl. D55—1)



The ornamental design for a single spindle hydraulic paper drill or similar article, as shown.

154,048
DESIGN FOR A CUFF LINK
Gloria Le Vaggi, Attleboro, Mass., assignor to Swank, Inc., a corporation of Delaware
Application December 30, 1948, Serial No. 150,461
Term of patent 14 years
(Cl. D17—7)



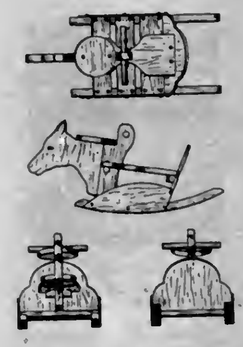
The ornamental design for a cuff link, substantially as shown and described.

154,049
DESIGN FOR A COMBINED TOOTH PASTE DISPENSER AND TOOTHBRUSH HOLDER
Nat Lipton, Long Beach, Calif.
Application October 22, 1947, Serial No. 142,089
Term of patent 14 years
(Cl. D4—3)



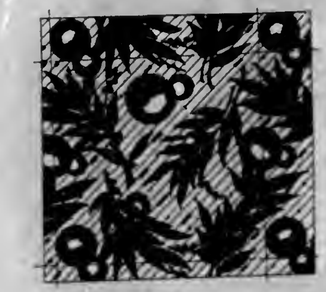
The ornamental design for a combined tooth paste dispenser and toothbrush holder, as shown.

154,050
DESIGN FOR A CHILD'S ROCKING HORSE
William S. Mandina, Kansas City, Mo.
Application March 15, 1948, Serial No. 145,102
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a child's rocking horse, as shown.

154,051
DESIGN FOR WRAPPING PAPER
Oswald F. Marquardt, Montclair, N. J.
Application June 17, 1947, Serial No. 139,736
Term of patent 7 years
(Cl. D59—2)



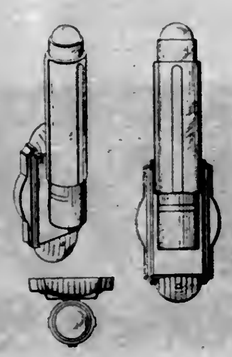
The ornamental design for wrapping paper, as shown and described.

154,052
DESIGN FOR WRAPPING PAPER
Oswald F. Marquardt, Montclair, N. J.
Application June 17, 1947, Serial No. 139,737
Term of patent 7 years
(Cl. D59—2)



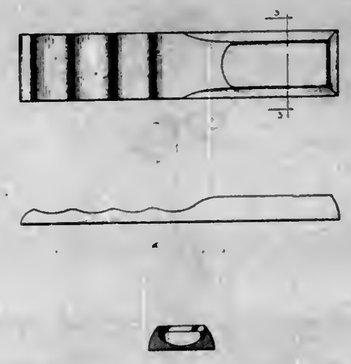
The ornamental design for wrapping paper, as shown and described.

154,053
DESIGN FOR A LIGHTING FIXTURE
Clyde D. McCann, Des Moines, Iowa
Application November 10, 1947, Serial No. 142,424
Term of patent 14 years
(Cl. D48—4)



The ornamental design for a lighting fixture, substantially as shown.

154,054
DESIGN FOR A NAIL POLISH BOTTLE HOLDER AND FINGER REST
Ladislas Medgyes, New York, N. Y., assignor to Helena Rubinstein, Inc., New York, N. Y., a corporation of New York
Application December 23, 1947, Serial No. 143,306
Term of patent 7 years
(Cl. D86—10)



The ornamental design for a nail polish bottle holder and finger rest, as shown.

154,055
DESIGN FOR AN ANIMAL FIGURE
Irving Miller, New York, N. Y.
Application August 18, 1948, Serial No. 148,173
Term of patent 14 years
(Cl. D34—2)



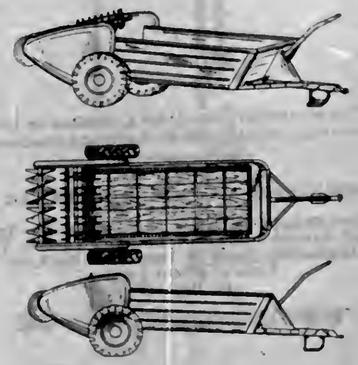
The ornamental design for an animal figure, as shown.

154,056
DESIGN FOR AN ASH TRAY
Jennings Nelson, St. Paul, Minn.
Application May 3, 1947, Serial No. 138,788
Term of patent 14 years
(Cl. D85—2)



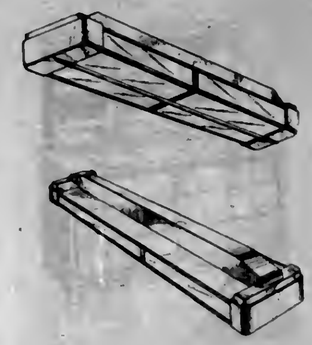
The ornamental design for an ash tray, as shown.

154,057
DESIGN FOR A MANURE SPREADER
Noral A. Nelson, Royal Oak, Mich., assignor to Harry Ferguson, Inc., Detroit, Mich., a corporation of Delaware
Application October 5, 1946, Serial No. 133,797
Term of patent 14 years
(Cl. D35—2)



The ornamental design for a manure spreader, substantially as shown.

154,058
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Carl Nitardy, Ipswich, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application September 12, 1947, Serial No. 141,355
Term of patent 14 years
(Cl. D48—23)



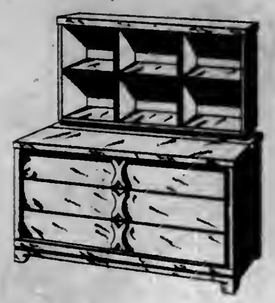
The ornamental design for a fluorescent lighting fixture, as shown.

154,059
DESIGN FOR AN ILLUMINABLE RULE
Roland K. Olson, Newton, Mass.
Application April 25, 1947, Serial No. 138,605
Term of patent 3½ years
(Cl. D74—1)



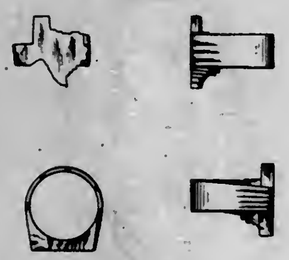
The ornamental design for an illuminable rule, substantially as shown.

154,060
DESIGN FOR A COMBINATION CHEST AND HUTCH
John Gordon Osborn, Sheboygan, Wis.
Application July 31, 1947, Serial No. 140,645
Term of patent 3½ years
(Cl. D33—19)



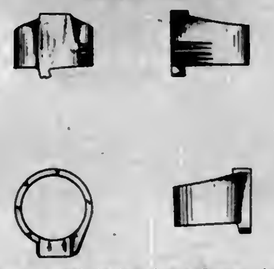
The ornamental design for a combination chest and hutch, as shown.

154,061
DESIGN FOR A FINGER RING
James S. Patty, New York, N. Y.
Application October 6, 1948, Serial No. 148,981
Term of patent 3½ years
(Cl. D45—10)



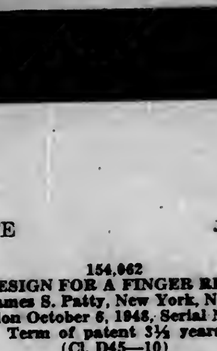
The ornamental design for a finger ring, substantially as shown.

154,062
DESIGN FOR A FINGER RING
James S. Patty, New York, N. Y.
Application October 6, 1948, Serial No. 148,982
Term of patent 3½ years
(Cl. D45—10)



The ornamental design for a finger ring, substantially as shown.

154,063
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 24, 1949, Serial No. 1,061
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

154,064
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application March 26, 1949, Serial No. 1,641
Term of patent 7 years
(Cl. D45—16)



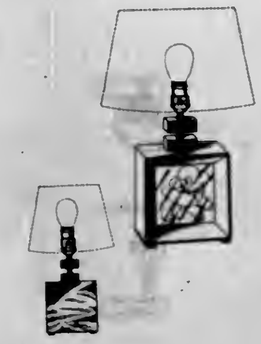
The ornamental design for a necklace or similar article, substantially as shown and described.

154,065
DESIGN FOR A COMBINATION FISHING ROD AND WALKING CANE
Harvey M. Phillips and Harry H. Boucher, Dallas, Tex.
Application June 5, 1947, Serial No. 139,458
Term of patent 14 years
(Cl. D31—4)



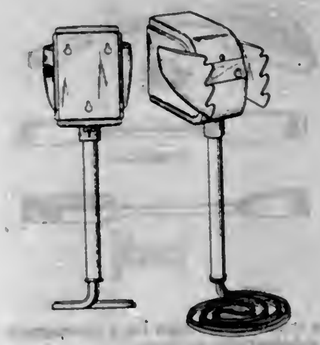
The ornamental design for a combination fishing rod and walking cane, substantially as shown and described.

154,066
DESIGN FOR A LAMP WITH ILLUMINABLE BASE
Joseph Provenzano, New York, N. Y.
Application December 24, 1948, Serial No. 150,344
Term of patent 7 years
(Cl. D48—20)



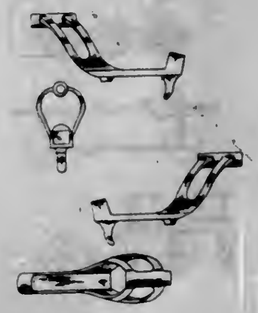
The ornamental design for a lamp with illuminable base, substantially as shown and described.

154,067
DESIGN FOR AN ELECTRICAL HEATING APPARATUS
Carl Reynolds, Jr., Detroit, Mich., assignor to Moffats Limited, Weston, Ontario, Canada, a corporation
Application January 13, 1948, Serial No. 143,720
In Canada November 10, 1947
Term of patent 7 years
(Cl. D81—10)



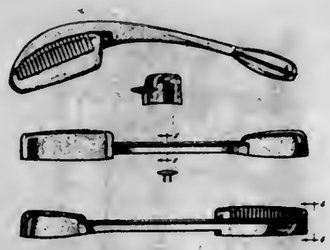
The ornamental design for an electrical heating apparatus, as shown.

154,068
DESIGN FOR A FISHING ROD REEL MOUNT
Walter L. Rives, Jacksonville, Fla.
Application March 17, 1948, Serial No. 145,186
Term of patent 14 years
(Cl. D31—4)



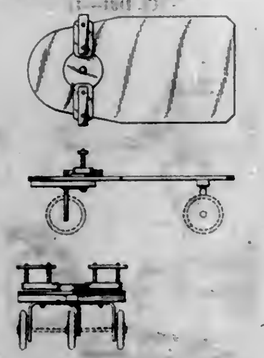
The ornamental design for a fishing rod reel mount, as shown.

154,069
DESIGN FOR A PHONOGRAPH TONE ARM
Carl W. D. Schaefer, Dayton, Ohio, assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 29, 1948, Serial No. 148,873
Term of patent 7 years
(Cl. D26—14)



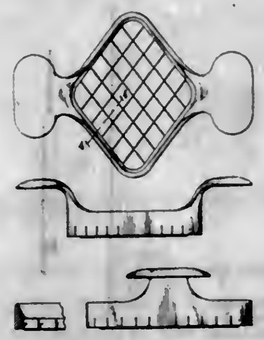
The ornamental design for a phonograph tone arm, substantially as shown.

154,070
DESIGN FOR A SCOOTER
David M. Simpson, Hawthorne, Calif.
Application February 9, 1948, Serial No. 144,367
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a scooter, substantially as shown and described.

154,071
DESIGN FOR A VEGETABLE CUTTER
Frederick B. Smith, Toledo, Ohio
Application May 28, 1947, Serial No. 139,319
Term of patent 14 years
(Cl. D59—1)



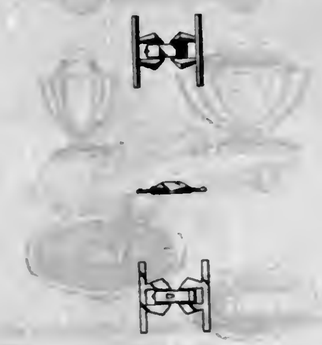
The ornamental design for a vegetable cutter, substantially as shown and described.

154,072
DESIGN FOR A RING OR SIMILAR ARTICLE
Vincent Sorrentino, Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application April 15, 1948, Serial No. 145,737
Term of patent 14 years
(Cl. D45—10)



The ornamental design for a ring or similar article, substantially as shown.

154,073
DESIGN FOR A CLASP
Arthur S. Spear, Providence, R. I., assignor to Sperry Mfg. Co., a corporation of Rhode Island
Application May 28, 1948, Serial No. 146,651
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for a clasp, substantially as shown.

154,074
DESIGN FOR A CLASP
Arthur S. Spear, Providence, R. I., assignor to Sperry Mfg. Co., a corporation of Rhode Island
Application May 28, 1948, Serial No. 146,652
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for a clasp, substantially as shown.

154,075
DESIGN FOR A CLASP
Arthur S. Spear, Providence, R. I., assignor to Sperry Mfg. Co., a corporation of Rhode Island
Application May 28, 1948, Serial No. 146,653
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for a clasp, substantially as shown.

154,076
DESIGN FOR A JEWELRY CHAIN
Arthur S. Spear, Providence, R. I.
Application February 24, 1949, Serial No. 1,062
Term of patent 3½ years
(Cl. D45—16)



The ornamental design for a jewelry chain, substantially as shown.

154,077
DESIGN FOR A JEWELRY CHAIN
Arthur S. Spear, Providence, R. I.
Application February 24, 1949, Serial No. 1,063
Term of patent 3½ years
(Cl. D45—16)



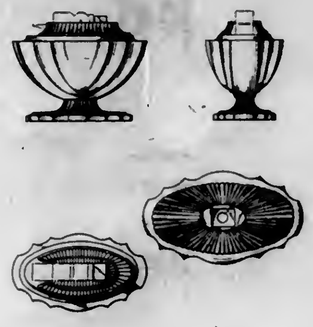
The ornamental design for a jewelry chain, substantially as shown.

154,078
DESIGN FOR A JEWELRY CHAIN
Arthur S. Spear, Providence, R. I.
Application February 24, 1949, Serial No. 1,064
Term of patent 3½ years
(Cl. D45—16)



The ornamental design for a jewelry chain, substantially as shown.

154,079
DESIGN FOR A TABLE LIGHTER
Gerald E. Stahl, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application June 25, 1948, Serial No. 147,183
Term of patent 14 years
(Cl. D48—27)



The ornamental design for a table lighter, as shown and described.

154,080
DESIGN FOR AN AUTOMOBILE
Clifford Brooks Stevens, Milwaukee, Wis.
Application December 18, 1947, Serial No. 143,209
Term of patent 7 years
(Cl. D14—3)



The ornamental design for an automobile, as shown.

154,080—Continued

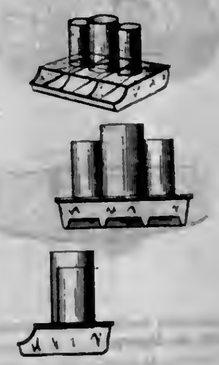


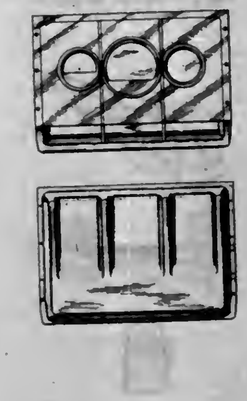
154,081
DESIGN FOR A DISHWASHER
Frederick K. Storm, Jr., Los Angeles, Calif., assignor to Perry Kilsby Inc., Los Angeles, Calif., a corporation of California
Application December 30, 1948, Serial No. 150,447
Term of patent 14 years
(Cl. D49—1)



The ornamental design for a dishwasher, as shown.

154,082
DESIGN FOR A MERCHANDISE CONTAINER OR THE LIKE
Orville W. Thrashill, Wellington, Kans.
Application November 12, 1947, Serial No. 142,450
Term of patent 7 years
(Cl. D60—5)





The ornamental design for a merchandise container or the like, substantially as shown.

154,083
DESIGN FOR AN AUTOMOBILE LAMP
Wagn Trautner, Syracuse, N. Y.
Application November 10, 1948, Serial No. 149,552
Term of patent 14 years
(Cl. D48—32)



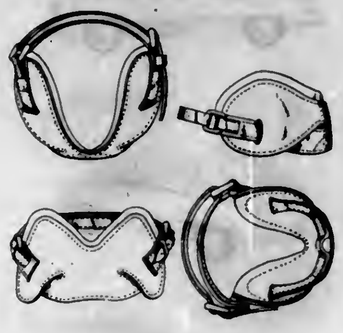
The ornamental design for an automobile lamp, substantially as shown.

154,084
DESIGN FOR AN AUTOMOBILE LAMP
Wagn Trautner, Syracuse, N. Y.
Application November 10, 1948, Serial No. 149,553
Term of patent 14 years
(Cl. D48—32)



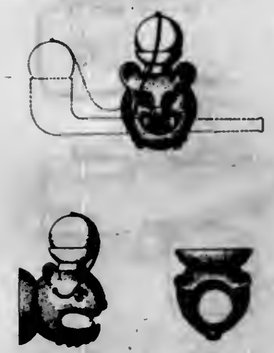
The ornamental design for an automobile lamp, substantially as shown.

154,085
DESIGN FOR A QUARTER BOOT
Arthur E. Warren, Des Moines, Iowa
Application November 14, 1947, Serial No. 142,535
Term of patent 7 years
(Cl. D38—11)



The ornamental design for a quarter boot, as shown.

154,086
DESIGN FOR A PIPE HOLDER
Walter E. Weaver, Nacogdoches, and Vascar N. Bridges, Houston, Tex.; said Bridges assignor to said Weaver
Application October 30, 1947, Serial No. 142,229
Term of patent 14 years
(Cl. D85—8)



The ornamental design for a pipe holder, as shown and described.

154,087
DESIGN FOR A COMBINED CHAIR AND VIBRATOR
John Werner, Chicago, and Albert H. Zeigler, Kenilworth, Ill., assignors to Aciform Corporation, Chicago, Ill., a corporation of Illinois
Application January 7, 1948, Serial No. 143,574
Term of patent 7 years
(Cl. D15—1)





The ornamental design for a combined chair and vibrator, as shown.

154,088
DESIGN FOR A TOY ROLY-POLY OR SIMILAR ARTICLE
Constance Ray White, Beverly Hills, Calif.
Application April 16, 1948, Serial No. 145,763
Term of patent 7 years
(Cl. D34—4)



The ornamental design for a toy roly-poly or similar article, substantially as shown.

154,089
DESIGN FOR A TOLL COIN OR TOKEN DEVICE FOR AUTOMOBILES
Abraham Zitenfield and Joe Weil, New York, N. Y.
Application June 21, 1947, Serial No. 139,856
Term of patent 14 years
(Cl. D52—4)



The ornamental design for a toll coin or token device for automobiles, substantially as shown.









LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Aerol Co.: *See*—
Gaines, Frank E.

Aerol Co. Inc., assignee: *See*—
Gaines, Frank E.

Air-Shields, Inc. Hatboro, Pa. Infant incubators. Serial No. 542,499, June 7. Class 44.

Albion Engineering Co.: *See*—
Schneider, Franz K.

Alexander & Sons, Inc., New York, N. Y. Garments made of fur. Serial No. 619,914, June 7. Class 39.

Alice Frock Company, San Francisco, Calif. Women's and children's wearing apparel. Serial No. 550,202, June 7. Class 39.

Allied Chemical & Dye Corporation, New York, N. Y. Detergent preparations. Serial No. 560,953, June 7. Class 4.

Alrose Chemical Company, Cranston, R. I. Wetting agent and penetrating and foaming agent. Serial No. 546,937, June 7. Class 6.

American Battery Mfg. Company, Kansas City, Mo. Electric storage batteries. Serial No. 532,088, published June 7. Class 21.

American Pipe and Construction Co., Los Angeles, Calif. Marine finishes in the form of antifouling paint. Serial No. 537,648, June 7. Class 16.

American Steel Foundries, Chicago, Ill. Railway car springs, dampers, snubbers, etc. Serial No. 545,800, June 7. Class 19.

Angier Chemical Company, Allston and Boston, Mass. Medicinal preparations. Serial No. 544,243, June 7. Class 6.

Armour & Company, Chicago, Ill. Soaps. Serial No. 540,145, June 7. Class 4.

Armour and Company, Chicago, Ill. Coated abrasives. Serial No. 540,966, June 7. Class 4.

Armstrong Paint & Varnish Works, Chicago, Ill., doing business as Nickel Plate Stove Polish Company. Stove polish. Serial No. 539,610, June 7. Class 4.

Armstrong Paint & Varnish Works, Chicago, Ill. Ready-mixed paints. Serial No. 540,616, June 7. Class 16.

Armstrong Paint & Varnish Works, Chicago, Ill. Lacquer. Serial No. 540,622, June 7. Class 16.

Armstrong Paint & Varnish Works, Chicago, Ill. Ready-mixed paints. Serial No. 541,382, June 7. Class 16.

Arnagel Industries: See—
Nagel, Charles R.

Athens Plow Company, Athens, Tenn. Plows, harrows, tillers, and subsoilers. Serial No. 539,624, June 7. Class 23.

Automatic Temperature Control Co., Inc., Philadelphia, Pa. Electrical measuring and control apparatus. Serial No. 548,711, June 7. Class 26.

Bakery Products, Inc., Chicago, Ill. Fig bars. Serial No. 541,253, June 7. Class 46.

Barton, Carl J., doing business as Barton Products, Chicago, Ill. Composition containing chemical ingredients. Serial No. 559,568, June 7. Class 6.

Barton Products: See—
Barton, Carl J.

Baum, W. A., Co., Inc., New York, N. Y. Sphygmomanometers and parts thereof. Serial No. 556,718, June 7. Class 44.

Baumbach, W. J., Inc., Arlington, Va. Plumbing and heating services. Serial No. 533,977, June 7. Class 55.

Becken, A. C., Co., Chicago, Ill. Watches and clocks. Serial No. 555,859, June 7. Class 27.

Bell & Howell Company, Chicago, Ill. Photographic lenses. Serial No. 557,495, June 7. Class 26.

Bellsey, Dave, Co. Inc., New York, N. Y. Ladies' and misses' coats and suits. Serial Nos. 545,946–7, June 7. Class 39.

Benjamin Air Rifle Company, St. Louis, Mo. Air rifles and air pistols. Serial No. 528,185, June 7. Class 9.

Benjamin Air Rifle Company, St. Louis, Mo. Air rifles and air pistols. Serial No. 528,187, June 7. Class 9.

Benjamin Air Rifle Company, St. Louis, Mo. Pellets for air rifles and air pistols. Serial No. 528,188, June 7. Class 9.

Benjamin Air Rifle Company, St. Louis, Mo. Pellets and shot for air rifles and pistols. Serial No. 528,189, June 7. Class 9.

Berger Brothers Company, The, New Haven, Conn. Corsets, girdles, and brassieres. Serial No. 554,945, June 7. Class 39.

Berks Building Block Corporation, Reading, Pa., Trenton, N. J., and Philadelphia, Pa. Concrete building blocks. Serial No. 566,965, June 7. Class 12.

Berland, Joseph, New York, N. Y. Finger rings. Serial No. 613,232, June 7. Class 28.

Bermac Associates Inc., New York, N. Y. Periodical magazines, comic magazines. Serial No. 543,770, June 7. Class 38.

Berry Bros. & Rudd Limited, London, England. Scotch whiskey. Serial No. 525,060, June 7. Class 49.

Berry, Margueritt B., Cleveland, Ohio. Hair dress preparation. Serial No. 552,913, June 7. Class 6.

Blackwell-Wielandy Company, St. Louis, Mo. Pencil and ink tablets, note books, composition books, etc. Serial No. 531,016, June 7. Class 37.

Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Tire wall paint; automobile top finish, and automobile finish cleaner and polish. Serial No. 532,204, June 7. Class 16.

Boweleel Distributors Corporation, Newark and Linden, N. J. Steel sheets and ferrous metal bars. Serial No. 561,072, June 7. Class 14.

Bristol Motor Company, The, Bristol, Conn. Electrical synchronous timing motor and component parts thereof. Serial No. 535,380, June 7. Class 21.

Buchner Import Co., Inc., New York, N. Y. Toilet article kits. Serial No. 539,268, June 7. Class 3.

Bur Dent Manufacturing Company, Crystal Lake, Ill. Dental hand pieces and replacement parts therefor. Serial No. 557,625, June 7. Class 44.

Burnitol Manufacturing Co., Boston, Mass. Sputum cups. Serial No. 562,826, June 7. Class 44.

Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Periodical publications, pamphlets, booklets, and catalogs. Serial No. 559,576, June 7. Class 38.

Busse, Ewald A., doing business as Gridd Stone Company, Canton, Ohio, assignee of Gridd Stone Company. Abrasive scouring block. Serial No. 521,879, June 7. Class 4.

Capewell Manufacturing Company, The, Hartford, Conn. Handles of hammers. Serial No. 545,338, June 7. Class 23.

Carpenter, E. W., Manufacturing Company, The, Bridgeport, Conn. Electrically operated signal lights. Serial No. 553,457, June 7. Class 21.

Carsolite Corporation, Maywood, Ill. Cleansing and washing preparation. Serial No. 551,162, June 7. Class 16.

Celotex Corporation, The, Chicago, Ill. Concrete building units. Serial No. 550,119, June 7. Class 12.

Chase Bag Company, The, New York, N. Y. Periodicals. Serial No. 558,465, June 7. Class 38.

Cheslan Brush Company, Inc., Knoxville, Tenn. Brushes. Serial No. 562,448, June 7. Class 29.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. Serial No. 561,293, June 7. Class 38.

Childhood Interests, Inc., Roselle Park, N. J. Toy. Serial No. 535,809, June 7. Class 22.

Church & Dwight Co. Inc., New York, N. Y. Baking soda. Serial No. 515,825, June 7. Class 46.

Church & Dwight Co., Inc., New York, N. Y. Baking soda and baking powder. Serial No. 547,896, June 7. Class 46.

Cineme Specialties Company: *See*—
Truman, David L.

Clean Tim, Limited, Toronto, Ontario, Canada. Soluble cleaner, cleanser and detergent. Serial No. 542,535, June 7. Class 4.

Cleveland Builders Supply Company, The, Cleveland, Ohio. Concrete building blocks. Serial No. 554,768, June 7. Class 12.

Clover Farm Stores Corporation, Cleveland, Ohio. Bleach, ammonia and bluing. Serial No. 562,764, June 7. Class 6.

Codman, F. L. & J. C., Company, Rockland, Mass. Buffing wheels and component parts thereof. Serial No. 542,001, June 7. Class 4.

College Pharmacy Products, Medford, Mass. Liquid cleaning agent. Serial No. 552,040, June 7. Class 4.

Columbus Plastic Products, Inc., Columbus, Ohio. Drinking tumblers, shaker-type food and beverage mixer cups, bath tub soap dishes, etc. Serial No. 551,362, June 7. Class 2.

Consolidated Cosmetics, Chicago, Ill. Brilliantine, cream cologne, face powder and lipstick. Serial No. 565,044, June 7. Class 6.

Continental Steel Corporation, Kokomo, Ind. Fencing and gates therefor. Serial No. 545,068, June 7. Class 13.

Cook Chemical Company, Kansas City, Mo. Grain fumigant. Serial No. 565,911, June 7. Class 6.

Cosmos Dental Products, Inc., New York, N. Y. Esthetic fibrous additive. Serial No. 546,957, June 7. Class 44.

Cosmos Dental Products, Inc., New York, N. Y. Separating material for application to dental molds. Serial No. 557,263, June 7. Class 44.

Crawford Door Company, Detroit, Mich. Complete upward-acting door installations. Serial No. 552,570, June 7. Class 12.

Curtis Companies Incorporated, Clinton, Iowa. Sashes, doors, blinds, etc. Serial No. 549,362, June 7. Class 12.

Cutter Laboratories, Berkeley, Calif. Pharmaceutical product. Serial No. 512,896, June 7. Class 6.

Cutter Laboratories, Berkeley, Calif. Aluminum hydroxide adsorbed biological products. Serial No. 567,331, June 7. Class 6.
Cutter Laboratories, Berkeley, Calif. Calcium penicillin tablets. Serial No. 567,334, June 7. Class 6.
De Kama, Inc., Los Angeles, Calif. Face cream. Serial No. 552,754, June 7. Class 6.
Dental Survey Publications, Minneapolis, Minn. Magazine. Serial No. 540,261, June 7. Class 38.
Dentists' Supply Company of New York, The, New York, N. Y. Dental articulators. Serial No. 540,791, June 7. Class 44.
Detrex Corporation, Detroit, Mich. Dry cleaning solvents, metal cleaning solvents, alkali cleaners, etc. Serial No. 546,965, June 7. Class 4.
Diana Manufacturing Co., Green Bay, Wis. Sanitary napkins. Serial No. 512,651, June 7. Class 44.
Dodge, F. W., Corporation, New York, N. Y. Periodicals. Serial No. 563,697, June 7. Class 38.
Dohrmann Hotel Supply Co., San Francisco, Calif. Janitorial supplies. Serial No. 500,744, June 7. Class 16.
Dome Chemicals, Inc., New York, N. Y. Astringent and antiseptic preparations and ointments. Serial No. 564,320, June 7. Class 6.
Drilea, Karl, doing business as Kleen-Wall Products Company, Portland, Oreg. Radiator shields. Serial No. 539,292, June 7. Class 34.
Eagle Electronics, Inc., Irvington, N. Y. Electronic equipment construction kits. Serial No. 542,103, June 7. Class 21.
Eastern States Farmers' Exchange, West Springfield, Mass. Roll roofing, asphalt shingles, asphalt and fibre cements, etc. Serial No. 551,254, June 7. Class 12.
Eckert-Mauchly Computer Corporation, Philadelphia, Pa. Electronic computing apparatus and components thereof. Serial No. 553,827, June 7. Class 28.
Elimore Silver Co., Inc., The, Meriden, Conn. Sterling silver flatware. Serial No. 524,124, June 7. Class 28.
Englishtown Cutlery, Ltd., New York, N. Y. Tableware. Serial No. 507,307, June 7. Class 23.
Exact Level & Tool Mfg. Co., Inc., High Bridge, N. J. Spirit levels. Serial No. 554,556, June 7. Class 26.
Fairfield & Ellis, Boston, Mass. Insurance brokerage and agency services. Serial No. 556,001, June 7. Class 55.
Famous-Sternberg, Inc., New Orleans, La. Men's and boys' suits and pants. Serial No. 542,825, June 7. Class 39.
Fashion Park, Inc., Rochester, N. Y. Men's and boys' suits, overcoats, topcoats, ties, etc. Serial No. 524,534, June 7. Class 39.
Fishback Manufacturing Company, Denver, Colo. Outer clothing, for women, misses and junior misses. Serial No. 508,591, June 7. Class 39.
Fitch Dustdown Company, The, Baltimore, Md. Liquid soap, sweeping compound, dust collecting sweeping powder, etc. Serial No. 542,723, June 7. Class 4.
Fitzgibbons Boiler Company, Inc., New York, N. Y. Hot water coils. Serial No. 548,350, June 7. Class 34.
Fitzgibbons Boiler Company, Inc., New York, N. Y. Gas, oil, coal or coke burning furances. Serial No. 548,811, June 7. Class 34.
Flagg, Stanley G., & Co., Inc., Philadelphia, Pa. Pipe fittings. Serial No. 541,532, June 7. Class 13.
Francella, Ann, doing business as Globe Kiddy Togs, Brooklyn, N. Y. Infants' knitted creepers and rompers, boys' and infants' knitted suits, polo shirts and cardigans. Serial No. 522,408, June 7. Class 39.
Gaines, Frank E., doing business as Aerol Co., assignee to Aerol Co. Inc., Los Angeles, Calif. Hand trucks and wheels therefor. Serial No. 526,668, June 7. Class 19.
Gemex Company, Union, N. J. Jewelry. Serial No. 508,108-9, June 7. Class 28.
General Binding Corporation, Chicago, Ill. Machines for attaching metal and/or plastic binding elements. Serial No. 533,360, June 7. Class 23.
General Ceramics & Steatite Corporation, Keasbey, N. J. Ceramic compositions used for electrical insulation. Serial No. 552,971, June 7. Class 21.
General Electric Credit Corporation, New York, N. Y. Financing time sale contracts and wholesale purchases. Serial No. 560,997, June 7. Class 55.
General Grocer Company, St. Louis, Mo. Food products. Serial No. 538,274, June 7. Class 46.
Gilmore & Nolan, Inc., Los Angeles, Calif. Baking and paint enamels, paste and liquid paints, etc. Serial No. 530,188, June 7. Class 16.
Globe Kiddy Togs: *See*—
Francella, Ann.
Goodman, Howard, New York, N. Y. Buttons not made of precious metal. Serial No. 566,133, June 7. Class 40.
Goodrich, B. F., Company, The, New York, N. Y. Rubber sundries. Serial No. 545,247, June 7. Class 44.
Grapette Company, Incorporated, The, Camden, Ark. Non-alcoholic, maltless fruit beverage. Serial No. 518,460, June 7. Class 45.
Great American Tea Company, The, New York, N. Y. Graham wafer crackers. Serial No. 550,600, June 7. Class 46.
Great American Tea Company, The, New York, N. Y. Candy. Serial No. 550,602, June 7. Class 46.
Gridd Stone Company: *See*—
Busse, Ewald A.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases and watch movements. Serial No. 546,099, June 7. Class 27.
H. P. Coffee Company, St. Louis, Mo. Coffee. Serial No. 549,635, June 7. Class 46.
Hagaman, Charles B., doing business as Medi-Phragm Products, Arvada, Colo. Douche powder. Serial No. 566,237, June 7. Class 6.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Cleaning rubber erasers. Serial No. 534,114, June 7. Class 37.
Heating Publishers, Inc., New York, N. Y. Mimeographed monthly service bulletin. Serial No. 557,192, June 7. Class 38.
Hewitt Soap Company, Inc., The, Dayton, Ohio. Sudsing cleaner, cleanser and detergent. Serial No. 547,346, June 7. Class 4.
Holloway, Albert F., doing business as Olin Manufacturing Company, Oakland, Calif. Toasted corn kernels. Serial No. 549,637, June 7. Class 46.
Holly Molding Devices, Inc., Chicago, Ill. Automatic electrically operated hamburger patty molding machine. Serial No. 524,463, June 7. Class 23.
Hörnés, Maria, New York, N. Y. Forehead bands for headache relief. Serial No. 556,531, June 7. Class 44.
Hotchkiss, Arch, Jr., doing business as Universal Engineering Company, San Diego, Calif. Gun equipment. Serial No. 501,147, June 7. Class 9.
Huribut Paper Company, South Lee, Mass. Writing and printing paper. Serial No. 544,659, June 7. Class 37.
Hurtley, Fred, Limited, Keighley, England. Athletic supporters. Serial No. 520,508, June 7. Class 44.
Hussmann-Ligonier Company, St. Louis, Mo., now by change of name Hussmann Refrigerator Co. Refrigerators, refrigeration condensing units, and coils for said refrigerators. Serial No. 527,406, June 7. Class 31.
Hussmann Refrigerator Co.: *See*—
Hussmann-Ligonier Company.
Hydraulic Accessories Company, Detroit, Mich. Hydraulic packing seals. Serial No. 555,413, June 7. Class 35.
Imperial Chemical Industries, Limited, Slough, England. Synthetic threads and yarns. Serial No. 576,331, June 7. Class 43.
Jameson, John, & Son, Limited, Dublin, Irish Free State. Irish whiskey. Serial No. 550,889, June 7. Class 49.
Jolly Kids Togs, Chicago, Ill. Children's wearing apparel. Serial No. 545,483, June 7. Class 39.
Jonas & Colver (Novo) Limited, Sheffield, England. Iron and steel. Serial No. 565,897, June 7. Class 14.
Kenney Manufacturing Company, Cranston, R. I. Metal curtain rods, drapery hardware, and window shade hardware. Serial No. 561,713, June 7. Class 13.
Keystone Varnish Company, Brooklyn, N. Y. Ready-mixed paints. Serial No. 538,291, June 7. Class 16.
Kidde, Walter, & Company, Inc., Belleville, N. J. Submersion actuators. Serial No. 526,692, June 7. Class 26.
Kidde, Walter, & Company, Inc., Belleville, N. J. Submersion actuators. Serial No. 526,694, June 7. Class 26.
Kimbriel and Company, Pharr, Tex. Fresh oranges. Serial No. 549,730, June 7. Class 46.
King, Wilfred G., doing business as Spray Brite Co., assignor to Spray-Brite Company, Minneapolis, Minn. Liquid glass cleaner. Serial No. 535,539, June 7. Class 4.
Kleen-Wall Products Company: *See*—
Drilea, Karl.
Klimate-Pruf Paint Company, Inc., Greensboro, N. C. Interior and exterior paste and ready-mixed paints, paint enamels, varnishes, etc. Serial No. 540,679, June 7. Class 16.
Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames. Serial Nos. 557,137-8, June 7. Class 26.
Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames. Serial No. 558,726, June 7. Class 26.
Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames. Serial No. 558,793, June 7. Class 26.
Koppers Company, Inc., Pittsburgh, Pa., and Baltimore, Md. Bronze casting and forging alloys. Serial No. 565,632, June 7. Class 14.
Kurfees, J. F., Paint Company, Louisville, Ky. Prepared or ready-mixed liquid paint enamels, prepared or ready-mixed liquid paints, prepared or ready-mixed liquid paint primers, etc. Serial No. 535,544, June 7. Class 16.
Kurfees, J. F., Paint Company, Louisville, Ky. Prepared or ready-mixed liquid paint enamels, prepared or ready-mixed liquid paints, prepared or ready-mixed liquid paint primers, etc. Serial No. 535,561, June 7. Class 16.
Kurfees, J. F., Paint Company, Louisville, Ky. Prepared or ready-mixed liquid paint enamels, prepared or ready-mixed liquid paints, prepared or ready-mixed liquid paint primers, etc. Serial No. 535,567, June 7. Class 16.
Kwikon Company, Chicago, Ill. Fixture studs. Serial No. 528,034, June 7. Class 21.
Laboratoires Om S. A., Geneva, Switzerland. Pharmaceutical and veterinary preparations and substances. Serial No. 550,708, June 7. Class 6.
Lamman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Soap. Serial No. 547,008, June 7. Class 4.

Laughlin, Homer, China Company, The, Newell, W. Va. Earthenware. Serial No. 552,245, June 7. Class 30.
Lawrence, W. W., & Company, Pittsburgh, Pa. Paints; varnishes; paint enamels; lacquers, etc. Serial No. 538,787, June 7. Class 10.
Leece-Neville Company, The, Cleveland, Ohio. Electrical apparatus. Serial No. 532,624, June 7. Class 21.
Lee, Marshall S., Pittsburgh, Pa. Whiskey. Serial No. 525,882, June 7. Class 49.
Lehn & Fink Products Corporation, Bloomfield, N. J. Reducing chin straps. Serial No. 558,148, June 7. Class 44.
Lewyt Corporation, Brooklyn, N. Y. Electrically driven vacuum cleaners and accessories and attachments therefor. Serial No. 516,776, June 7. Class 21.
Limerick Yarn Mills, Manchester, N. H. Weaving yarns, knitting yarns, and specialty yarns. Serial No. 563,944, June 7. Class 43.
Little Debs Dress Manufacturing Co. Inc., St. Louis, Mo. Infants' and children's dresses. Serial No. 554,679, June 7. Class 39.
Logene, Inc., New York, N. Y. Lorgnettes, eyeglasses, and spectacles, etc. Serial No. 557,367, June 7. Class 26.
Macart Advertising Company, Kansas City, Mo. Cartoons. Serial No. 561,473, June 7. Class 38.
Madison-Kipp Corporation, Madison, Wis. Pressure-fluid operated grinding, cutting, buffing, cleaning and polishing tools. Serial No. 532,840, June 7. Class 23.
Madison-Kipp Corporation, Madison, Wis. Die castings. Serial No. 556,110, June 7. Class 14.
Mariott, Robert E., Battle Creek, Mich. Correspondence paper and stationery. Serial No. 517,790, June 7. Class 37.
Marlow, Nicholas, doing business as Marlow Products, Chicago, Ill. Memorandum pads. Serial No. 548,821, June 7. Class 37.
Marlow Products: *See*—
Marlow, Nicholas.
Marshall, James S., Totnes, Devonshire, England. Candy. Serial No. 520,289, June 7. Class 46.
Masi, Sebastian, doing business as Masi Winery and Masi Brothers, Cucamonga, Calif. Wines. Serial No. 527,235, June 7. Class 47
Masi Winery and Masi Brothers: *See*—
Masi, Sebastian.
McDowell Manufacturing Company, Pittsburgh, Pa. Electric motor driven vibrators. Serial No. 554,140, June 7. Class 44.
McGill Manufacturing Company, Inc., Valparaiso, Ind. Soldering flux. Serial No. 549,562, June 7. Class 6.
McNish, Robert, and Company Limited, Glasgow, Scotland. Whiskey. Serial No. 529,075, June 7. Class 49.
Medi-Phragm Products: *See*—
Hagaman, Charles B.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Pharmaceutical product. Serial No. 564,679, June 7. Class 6.
Merrimac Hat Corporation, New York, N. Y. Braid for womens' and children's hats and hat bodies. Serial Nos. 567,986-7, June 7. Class 40.
Merrimac Hat Corporation, New York, N. Y. Braid for womens' and children's hats and hat bodies. Serial No. 567,991, June 7. Class 40.
Miller, L., & Company, Limited, London, England. Children's clothing. Serial No. 554,802, June 7. Class 39.
Miller, Woodrow, doing business as Woodrow Miller and Company and Woodrow Miller Honey Company, Alhambra, Calif. Honey. Serial No. 512,977, June 7. Class 46.
Miller, Woodrow, and Company: *See*—
Miller, Woodrow.
Miller, Woodrow, Honey Company: *See*—
Miller, Woodrow.
Moench, R. G., & Co., Inc., New York, N. Y. Food composition in powdered form. Serial No. 523,138, June 7. Class 46.
Monarch Chemical Company, New York, N. Y. Baking powder. Serial No. 550,058, June 7. Class 46.
Moore, Charles P., doing business as Moore & Son, Tucson, Ariz. Household cleaner in powdered and liquid form. Serial No. 533,595, June 7. Class 4.
Moore & Son: *See*—
Moore, Charles P.
Moran, Michael J., doing business as Moran Standard Parts Company, Detroit, Mich. Lawn sprinklers. Serial No. 543,510, June 7. Class 13.
Moran Standard Parts Company: *See*—
Moran, Michael J.
Mato-Mower Company, The, Detroit, Mich. Power-driven lawnmowers. Serial No. 533,041, June 7. Class 23.
Mount Hope Finishing Company, Dighton, Mass. Finishing textile fabrics in the piece. Serial No. 542,477, June 7. Class 55.
Mutual Stationers Supply Corporation, New York, N. Y. Hand operated hand punches. Serial No. 533,189, June 7. Class 23.
Nagel, Charles R., doing business as Arnagel Industries, Burbank, Calif. Screen door guards. Serial No. 551,721, June 7. Class 13.
National Aluminate Corporation, Chicago, Ill. Mechanical and chemical equipment. Serial No. 528,030, June 7. Class 31.
National Broadcasting Company, Inc., New York, N. Y. Radio sound broadcasting television broadcasting and leasing recorded radio programs. Serial No. 542,154, June 7. Class 55.
National Cylinder Gas Company, Chicago, Ill. Metal welding electrodes. Serial No. 561,848, June 7. Class 14.
National Sewing Machine Company, Belvidere, Ill. Sewing machines and attachments. Serial Nos. 552,357-8, June 7. Class 23.
Nehi Corporation, Columbus, Ga. Nonalcoholic maltless, non-fruit-juice beverage. Serial No. 533,044, June 7. Class 45.
New Bedford Luggage Company, New Bedford, Mass. Traveling bags, overnight bags, valises, etc. Serial No. 551,114, June 7. Class 3.
Nickel Plate Stove Polish Company: *See*—
Armstrong Paint & Varnish Works.
Nixon Brassiere Mfg. Co., New York, N. Y. Brassieres. Serial No. 558,314, June 7. Class 39.
Norrington, John S., San Francisco, Calif. Golf tees. Serial No. 551,909, June 7. Class 22.
North American Fibre Products Co., The, Cleveland, Ohio. Industrial heat and flame protected metal paint; ready mixed house paint; barn, roof, and bridge paint; etc. Serial No. 540,857, June 7. Class 16.
North American Products Company: *See*—
Segal, Arthur R.
Northern Virginia Broadcasters, Inc., Arlington, Va. Radio broadcasting. Serial No. 539,201, June 7. Class 55.
Nu-Way Products Co.: *See*—
Sullivan, J. C.
O'Brien, Harry E., Indianapolis, Ind. Reed mouthpieces. Serial No. 553,391, June 7. Class 36.
Olin Manufacturing Company: *See*—
Holloway, Albert F.
Olympic Glove Company, Inc., The, New York, N. Y. Protective apparel. Serial No. 547,143, June 7. Class 39.
Orefraction Incorporated, Pittsburgh, Pa. Sand derivatives and compositions composed principally of sand derivatives, used in making paints, pigments, glazes, etc. Serial No. 525,020, June 7. Class 16.
Osterholz, August H., doing business as The Wheaton Feed & Supply Store, Wheaton, Ill. Food product. Serial No. 549,963, June 7. Class 46.
Ox Fibre Brush Company, Inc., Frederick, Md. Brushes, brooms and floor mops. Serial No. 545,763, June 7. Class 29.
Paillard, E., & Cie S. A., Sainte-Croix and Yverdon, Switzerland, now by change of name Paillard S. A. (Paillard A. G., Paillard Limited). Typewriters, office machines. Serial No. 516,913, June 7. Class 23.
Paillard S. A. (Paillard A. G., Paillard Limited): *See*—
Paillard, E., & Cie S. A.
Patek Brothers, Inc., Milwaukee, Wis. Paint, paint and baking enamel, varnish, drying oils, and waxes. Serial No. 551,826, June 7. Class 16.
Person's Index Facts on File, Inc., New York, N. Y. Monthly publication. Serial No. 562,491, June 7. Class 38.
Phillips Chemical Company, Chicago, Ill. Liquid kerosene base emulsion. Serial No. 486,628, June 7. Class 4.
Pincus Brothers, Incorporated, Philadelphia, Pa. Men's suits, coats, pants, vests, topcoats and overcoats. Serial No. 547,762, June 7. Class 39.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid lacquers and enamels. Serial No. 544,274, June 7. Class 16.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid paint enamels. Serial No. 544,281, June 7. Class 16.
Pocket Publications Limited, London, England. Periodical printed publications. Serial No. 563,436, June 7. Class 38.
Power Development Co., Inc., Cleveland, Ohio. Lawn mowers. Serial No. 551,309, June 7. Class 23.
Premier Industries Corporation, New York, N. Y. Electrically driven mixer. Serial No. 552,163, June 7. Class 21.
Procter & Gamble Company, The, Cincinnati, Ohio. Soluble cleaner, cleanser, and detergent. Serial No. 546,425, June 7. Class 4.
Produits Chimiques de Liege, Bois-de-Breux (near Liege), Belgium. Coloring materials. Serial No. 541,701, June 7. Class 16.
Quaker Chemical Products Corporation, Conshohocken, Pa. Synthetic organic detergents, soaps, solvent cleansers. Serial No. 535,872, June 7. Class 4.
Quaker Oats Company, The, Chicago, Ill. Cereal breakfast foods. Serial No. 549,171, June 7. Class 46.
R. C. Products Inc., Brooklyn, N. Y. Plastic aprons. Serial No. 551,043, June 7. Class 39.
Radio Corporation of America, New York, N. Y. Periodical inspection and repair of industrial electronic equipment, etc. Serial No. 543,523, June 7. Class 55.
Reinhard Brothers Company, Minneapolis, Minn. Radio-receiving and transmitting sets, radio tubes, and parts. Serial No. 508,390, June 7. Class 21.
Republic Paint & Varnish Co., Chicago, Ill. Paint and varnish remover. Serial No. 540,877, June 7. Class 16.
Republic Paint & Varnish Co., Chicago, Ill. Water-mixed, washable, quick drying, emulsified resin paints, and ready-mixed paints. Serial No. 541,451, June 7. Class 16.

Republic Paint & Varnish Co., Chicago, Ill. Utility paint and asphalt base aluminum paint. Serial No. 541,453, June 7. Class 16.
Republic Paint & Varnish Co., Chicago, Ill. Floor surface coating in the nature of varnish. Serial No. 541,460, June 7. Class 16.
Robbins & Myers, Inc., Springfield, Ohio. Overhead hoists. Serial No. 533,777, June 7. Class 23.
Robins, A. H., Company, Inc., Richmond, Va. Antitussive preparation. Serial No. 572,879, June 7. Class 6.
Roll-O-Matic Screen Company, The, Cleveland, Ohio. Complete window screens. Serial No. 535,262, June 7. Class 12.
Royce Chemical Company, Carlton Hill, N. J. General cleaning and scouring compound. Serial No. 542,995, June 7. Class 4.
Schneider, Frans K., doing business as Albion Engineering Co., Philadelphia, Pa. Caulking guns. Serial No. 541,198, June 7. Class 23.
Schuco Toy Co. Inc., New York, N. Y. Mechanical toys. Serial No. 549,007, June 7. Class 22.
Scientific Glass Apparatus Co., Inc., Bloomfield, N. J. Interchangeable tubular glass parts, stoppers and stopcocks for glass chemical appeeatus, and glass scientific appliances for laboratory uses. Serial No. 558,186, June 7. Class 26.
Sears, Roebuck and Co., Chicago, Ill. Tile cement, cold water paste, etc. Serial No. 550,442, June 7. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Electric blankets. Serial No. 550,615, June 7. Class 21.
Sears, Roebuck and Co., Chicago, Ill. Tires and tubes, radiator hose, etc. Serial No. 553,757, June 7. Class 35.
Segal, Arthur E., doing business as North American Products Company, Milwaukee, Wis. Carbide tipped circular saws. Serial No. 530,970, June 7. Class 23.
Semon Bache & Company, New York, N. Y. Screens or plates adapted for use in connection with the reading or viewing of X-ray films or X-ray plates. Serial No. 547,388, June 7. Class 44.
Shaw, Herbert R., Hints, England. Testing instruments. Serial No. 552,657, June 7. Class 26.
Sherman Products: *See*—
Sherman, Sol.
Sherman, Sol., doing business as Sherman Products, New York, N. Y. Men's and boys' bow ties, neckties, shirts, etc. Serial No. 522,988, June 7. Class 39.
Shopping with Nancy, Chicago, Ill. Newspaper column. Serial No. 562,409, June 7. Class 38.
Simplex Piston Ring Mfg. Company, Cleveland, Ohio. Piston skirt expanders. Serial No. 551,463, June 7. Class 23.
Smith, Arthur E., Los Angeles, Calif. Hypodermic syringes, hypodermic needles, anaesthesia instruments, and adapters for syringes. Serial No. 527,217, June 7. Class 44.
Smith, Bradner, & Company, Chicago, Ill. Book-paper, writing-paper, correspondence envelopes, etc. Serial No. 535,364, June 7. Class 37.
Smith, Edward, & Co., Inc., New York, N. Y. Interior varnish. Serial No. 549,022, June 7. Class 16.
Smith, Edward, & Co., Inc., New York, N. Y. Varnish extender. Serial No. 549,023, June 7. Class 16.
Societe Rhoyl, Paris, France. Threads and yarns. Serial No. 568,680, Joue 7. Class 43.
Soled, Lou, doing business as Soled Paint Co., New York, N. Y. Ready-mixed liquid paints. Serial No. 523,549, June 7. Class 16.
Soled Paint Co.: *See*—
Soled, Lou.
Spartan Saw Works, Inc., Springfield, Mass. Tool bits. Serial No. 534,062, June 7. Class 28.
Spray Brite Co.: *See*—
King, Wilfred G.
Spray-Brite Company: *See*—
King, Wilfred G.
Standard Oil Company, The, Cleveland, Ohio. Anti-detonation fluid. Serial No. 561,162, June 7. Class 6.
Standard Sales Co., Birmingham, Ala. Pocket combs. Serial No. 568,068, June 7. Class 40.
Starrett, L. S., Company, The, Athol, Mass. Tap, drill, and wire gages. Serial No. 552,096, June 7. Class 26.
Stearns-McKay Manufacturing Company, Boston, Mass. Ready-mixed anti-fouling compositions or paints. Serial No. 528,150, June 7. Class 16.
Stephenson Air Brush Paint Co.: *See*—
Stephenson, Robert M.
Stephenson, Robert M., doing business as Stephenson Air Brush Paint Co., Oakland, Calif. Ready-mixed liquid and oil paints and paint coatings. Serial No. 552,618, June 7. Class 16.
Strickland, J., and Co., Memphis, Tenn. Hand cream. Serial No. 540,217, June 7. Class 6.
Sullivan, J. C., doing business as Nu-Way Products Co., North Little Rock, Ark. Permanent type anti-freeze. Serial No. 565,658, June 7. Class 6.
Sunnen Products Company, St. Louis, Mo. Cylinder grinders, honing, grinding, and abrading machines and parts thereof, etc. Serial No. 529,111, June 7. Class 23.
Swallow Airplane Company, Inc., Wichita, Kans. Screw drivers. Serial No. 493,844, June 7. Class 23.
Taylor, Edward R., doing business as Taylor Precision Manufacturing Co., Rocky River, Ohio. Detergent for cleaning glasses and beer systems. Serial No. 531,863, June 7. Class 4.
Taylor Precision Manufacturing Co.: *See*—
Taylor, Edward R.
Telex, Inc., Minneapolis, Minn. Hearing aid accessory. Serial No. 540,340, June 7. Class 44.
Tennessee Stove Works, Chattanooga, Tenn. Coal, wood, and oil heaters. Serial No. 535,974, June 7. Class 34.
Tinnerman Products, Inc., Cleveland, Ohio. Metal clips and metal fasteners. Serial No. 545,660, June 7. Class 13.
Torrington Manufacturing Company, The, Torrington, Conn. Sheet metal coiling machines, sheet metal edge trimming machines, etc. Serial No. 534,208, June 7. Class 23.
True's Oil Company, Spokane, Wash. Re-capping and reconditioning vehicle tires. Serial No. 539,917, June 7. Class 55.
Truman, David L., doing business as Cinema Specialties Company, Los Angeles, Calif. Combs in the nature of barrettes. Serial No. 562,164, June 7. Class 40.
Unit Crane & Shovel Corp., West Allis, Milwaukee, Wis. Power shovels and cranes. Serial No. 499,871, June 7. Class 23.
United States Television Manufacturing Corporation, New York, N. Y. Television receivers. Serial No. 542,702, June 7. Class 21.
Universal Engineering Company: *See*—
Hotchkiss, Arch, Jr.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 560,069, June 7. Class 6.
Vanderbilt, R. T., Company, Inc., New York, N. Y. Rubber accelerators. Serial Nos. 554,929–30, June 7. Class 6.
Vans-Calvert Paint Company, St. Louis, Mo. Ready-mixed oil paints, varnishes, varnish stains, oil stains, etc. Serial No. 544,132, June 7. Class 16.
Victory Optical Manufacturing Company, Newark, N. J. Spectacle frames. Serial No. 558,537, June 7. Class 26.
Washington, Hazel, Los Angeles, Calif. Portfolios, pocketbooks, and luggage. Serial No. 563,768, June 7. Class 3.
West, Dr., Company: *See*—
West, Earl C.
West, Earl C., doing business as Dr. West Company, Mora, Minn. Cleaner for dental plates. Serial No. 546,923, June 7. Class 4.
Western Features Syndicate, Inc., Rosemeade, Calif. Transparancies for use in viewers and projectors. Serial Nos. 516,045–6, June 7. Class 26.
Western Gear Works, Seattle, Wash. Machine providing change-speed gears. Serial No. 501,221, June 7. Class 23.
Westinghouse Electric Corporation, East Pittsburgh, Pa. Cleaning and conditioning apparatus. Serial No. 540,222, June 7. Class 21.
West Virginia Pulp and Paper Company, New York, N. Y. Precipitated calcium carbonate technical grade. Serial No. 559,400, June 7. Class 6.
Wheaton Food & Supply Store, The: *See*—
Osterhols, August H.
Whisper, Inc., New York, N. Y. Pictorial humorous periodical. Serial No. 562,894, June 7. Class 38.
Wilson, H. A., Company, The, Newark, N. J. Thermostatic bimetals. Serial No. 547,089, June 7. Class 14.
Wood, John, Manufacturing Company, Inc., Conshohocken, Pa., Chicago, Ill., and Philadelphia, Pa. Gas water heaters, and combination boilers. Serial No. 540,403, June 7. Class 34.
Woolsey, C. A., Paint & Color Co. Inc., New York, N. Y. Ready-mixed paints and paint thinner. Serial No. 553,044, June 7. Class 16.
Worthington Ball Company, The, Elyria, Ohio. Golf balls. Serial No. 527,773, June 7. Class 22.
Wright Engineering Company, Mountain Lakes, N. J. Devices and apparatus for facilitating the adjustments of the beam of X-ray machines and radiographic equipment. Serial No. 542,496, June 7. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

A. P. W. Products Company: *See*—
Albany Perforated Wrapping Paper Company.
Ace Company, The: *See*—
Campbell, Donald E.
Addressograph-Multigraph Corporation, Cleveland, Ohio. Frame for carrying printing plates and index tabs. 510,549, June 7; Serial No. 531,974, published Feb. 22, 1949. Class 23.
Advance Solvents & Chemical Corporation, New York, N. Y. Plastic masses. 442,851, June 7; Serial No. 517,683, published Mar. 8, 1949. Class 1.
Aeolian Company, The, New York, N. Y. Radio receiving sets. 510,487, June 7; Serial No. 510,922, published Mar. 1, 1949. Class 21.
Agricultural Chemical Works, Inc., Los Angeles, Calif., to Swift & Company, Chicago, Ill. Mealike substance used in destroying garden and lawn insects. 254,044, renewed Mar. 12, 1949. O. G. June 7. Class 6.
Aktieselskabet Lagerman Junr., Glostrup, Denmark. Pectorals and throat tablets. 510,689, June 7; Serial No. 548,224, published Feb. 22, 1949. Class 6.
Albany Perforated Wrapping Paper Company, to A. P. W. Products Company, Inc., Albany, N. Y. Toilet paper. 250,814, renewed Dec. 16, 1948. O. G. June 7. Class 37.
Alexander, R. F. & J. & Company Limited, Neilston, Scotland. Sewing cotton. 106,923, Nov. 9, 1915. Republished June 7. Class 43.
Alexander, R. F. & J. & Company Limited, Neilston, Scotland. Sewing cotton threads in balls. 301,070, Feb. 14, 1933. Republished June 7. Class 43.
Allied Chemical & Dye Corporation: *See*—
Semet-Solvay Company.
Allied Chemical & Dye Corporation, New York, N. Y. Preparation used in tanning. 510,763, June 7; Serial No. 560,984, published Mar. 1, 1949. Class 6.
Allied Food Corporation of America, New York, N. Y. Guava jelly. 438,961, May 25, 1948. Republished June 7. Class 46.
Allied Laboratories Limited, London, England. Medicated preparations in tablet form. 510,585, June 7; Serial No. 535,919, published Feb. 22, 1949. Class 6.
Allied Mills, Inc., Chicago, Ill. Livestock and poultry feeds. 317,588, Oct. 2, 1934. Republished June 7. Class 46.
Alpha Metals, Inc., Brooklyn, N. Y. Solders comprised primarily of lead and tin. 510,417, June 7; Serial No. 537,579. Class 14.
American Car and Foundry Company, New York, N. Y. Rolls, crushers, pulverizers, etc. 437,727, July 13, 1948. Republished June 7. Class 23.
American Fork and Hoe Company, The, Cleveland, Ohio. Axes, hammers, hatchets, etc. 510,483, June 7; Serial No. 506,222, published Feb. 22, 1949. Class 23.
American Gas Association, Inc., New York, N. Y. Gas laundry appliances and machines. 510,770, June 7; Serial No. 536,865, published Mar. 1, 1949. Class 24.
American Law Book Company, The, New York, N. Y. Legal magazine. 510,780, June 7; Serial No. 522,027. Class 38.
American Lead Pencil Company, New York, N. Y., to American Lead Pencil Company, Hoboken, N. J. Lead pencils. 74,114, re-renewed June 22, 1949. O. G. June 7. Class 37.
American-Marietta Company: *See*—
Pacific Chemical Company.
American Perfect Crystal Corporation, New York, N. Y. Watch crystals. 510,618, June 7; Serial No. 539,616, published Feb. 22, 1949. Class 83.
American Sugar Refining Company, The, Jersey City, N. J., to The American Sugar Refining Company, New York, N. Y. Granulated sugar. 73,094, re-renewed Mar. 16, 1949. O. G. June 7. Class 46.
American Sugar Refining Company, The, Jersey City, N. J., to The American Sugar Refining Company, New York, N. Y. Granulated sugar. 73,096, re-renewed Mar. 16, 1949. O. G June 7. Class 46.
American Sugar Refining Company, The, Jersey City, N. J., to The American Sugar Refining Company, New York, N. Y. Hard sugar. 73,101, re-renewed Mar. 16, 1949. O. G. June 7. Class 46.
Anabolic Food Products, Inc., Glendale, Calif. Preparations containing vitamin, mineral, and/or desiccated glandular products. 510,750, June 7; Serial No. 538,845, published Mar. 1, 1949. Class 6.
Anchor Serum Company, South St. Joseph, Mo. Anti-hog cholera serum. 180,222, Feb. 26, 1924. Republished June 7. Class 6.
Andre-Lee: *See*—
Palazzolo, Andrew.
André, Noble, doing business as Andre Paper Box Co., San Francisco, Calif. Paper boxes. 510,782, June 7; Serial No. 511,129. Class 2.
Andre Paper Box Co.: *See*—
André, Noble.
Antajen Industries, Limited, San Francisco, Calif. Piston rings. 438,945, May 18, 1948. Republished June 7. Class 35.
Ariens Company, Brillion, Wis. Machines for preparing, tilling, and cultivating soil. 510,552, June 7; Serial No. 532,190, published Feb. 22, 1949. Class 23.
Arkwright Merchandising Corporation, New York, N. Y. Coats, suits, pants, etc., for men and boys, etc. 303,765, June 6, 1933. Republished June 7. Class 39.
Armand Company, The, Des Moines, Iowa. Face powder. 254,135, renewed Mar. 12, 1949. O. G. June 7. Class 6.
Armour and Company, doing business as Friedman Manufacturing Company, Chicago, Ill. Oleomargarine. 510,510, June 7; Serial No. 526,578, published Mar. 1, 1949. Class 46.
Armour and Company, Chicago, Ill. Mixed fatty acids. 510,628, June 7; Serial No. 540,961, published Mar. 1, 1949. Class 6.
Armstrong Cork Company, Lancaster, Pa. Polishing wheels. 510,698, June 7; Serial No. 549,221, published Mar. 1, 1949. Class 4.
Associated Distributors, Inc., by J. L. Youngbusband, Chicago, Ill. Lipstick, rouge, face powder, eyelash and eyebrow mascara, etc. 380,423, Aug. 20, 1940. Republished June 7. Class 6.
Associated Products Company: *See*—
Gibbs, Malcolm G.
Atlantic Brass & Copper Co., Inc., New York, N. Y. Brass, copper, aluminum, etc., in various shapes and forms. 510,791, June 7; Serial No. 525,279. Class 14.
Atlantic Refining Company, The, Philadelphia, Pa. Petroleum waxes. 510,553, June 7; Serial No. 532,265, published Feb. 8, 1949. Class 15.
Avon Products, Inc., New York, N. Y. Perfume, toilet water, compacts, etc. 510,591, June 7; Serial No. 536,576, published Feb. 22, 1949. Class 6.
Axton Fisher Tobacco Co., The, Louisville, Ky., to Philip Morris & Co. Ltd., Incorporated, New York, N. Y. Cigarettes. 257,989, renewed June 25, 1949. O. G. June 7. Class 17.
Baker-Lockwood Awning & Tent Company, Kansas City, Mo. Canvas goods. 510,608, June 7; Serial No. 538,344, published Mar. 1, 1949. Class 50.
Bamberger, L., & Co., Newark, N. J., to R. H. Macy & Co., Inc., New York, N. Y. Shoes. 255,167, renewed Apr. 16, 1949. O. G. June 7. Class 39.
Bamberger, L., & Co., Newark, N. J., to R. H. Macy & Co., Inc., New York, N. Y. Men's, and women's, and children's hosiery. 256,764, renewed May 21, 1949. O. G. June 7. Class 39.
Bardach & Schoene Co., Inc., Chicago, Ill. Artificial legs. 510,796, June 7; Serial No. 541,752. Class 44.
Barry, R. G., Corp., Columbus, Ohio. Shoulder straps. 510,510, June 7; Serial No. 552,012. Class 40.
Bartley, John T., & Co., Beaver Falls, Pa. Paint cleaner. 510,532, June 7; Serial No. 547,420, published Mar. 8, 1949. Class 4.
Bastian-Blessing Company, The, Chicago, Ill. Self-contained fire extinguisher valves, valve reseating tools, rethreading dies, etc. 510,527, June 7; Serial No. 526,686, published Feb. 22, 1949. Class 23.
Behr-Manning Corporation, Troy, N. Y. Coated abrasives. 510,498, June 7; Serial No. 523,643, published Nov. 23, 1948. Class 4.
Bell Chemical Co., Chicago, Ill. White shoe cleaner and shoe cream. 510,661, June 7; Serial No. 545,334, published Mar. 1, 1949. Class 4.
Bemis Bro. Bag Company, St. Louis, Mo. Paper bags. 510,506, June 7; Serial No. 526,845, published Feb. 22, 1949. Class 2.
Bemis Bro. Bag Company, St. Louis, Mo. Bags and sacks. 510,507, June 7; Serial No. 526,857, published Feb. 22, 1949. Class 2.
Bemis Bro. Bag Company, St. Louis, Mo. Fabric bags and sacks. 510,508, June 7; Serial No. 526,860, published Feb. 22, 1949. Class 2.
Bemis Bro. Bag Company, St. Louis, Mo. Fabric and paper bags and sacks. 510,509, June 7; Serial No. 526,874, published Feb. 22, 1949. Class 2.
Bemis Bro. Bag Company, St. Louis, Mo. Fabric and paper bags and sacks. 510,511, June 7; Serial No. 526,889, published Feb. 22, 1949. Class 2.
Benard & Honnorat, doing business as Molinard, Grasse (Alpes Maritimes), France. Perfume, toilet water, cologne, etc. 510,690, June 7; Serial No. 548,320, published Mar. 1, 1949. Class 6.
Bestwar Company: *See*—
Tanner, Harold H.
Betan Company: *See*—
Vernon and Vermont Pharmacy.
Better Finishes and Coatings, Inc., Newark, N. J. Coating materials. 425,247, Nov. 12, 1946. Republished June 7. Class 16.
Better Finishes and Coatings, Inc., Newark, N. J. Resinous coating compositions. 425,521, Nov. 26, 1946. Republished June 7. Class 16.
Bird, J. A. & W., & Co., Boston, Mass., to The Flintkote Company, New York, N. Y. Roofing-felt and roofing-paper. 73,611, re-renewed May 4, 1949. O. G. June 7. Class 12.

Black Diamond Paint & Varnish Works, Inc., The, Cincinnati, Ohio. Belt dressings. 510,691, June 7; Serial No. 548,322, published Feb. 15, 1949. Class 4.

Blakeslee, G. S., & Co., Chicago, Ill. Electrically powered dish washing machines and glass washing machines, electrically powered food mixing machines, etc. 510,545, June 7; Serial No. 531,193, published Feb. 22, 1949. Class 23.

Bloch Brothers Tobacco Co., The, Wheeling, W. Va. Chewing and smoking tobacco. 510,619, June 7; Serial No. 539,636, published Mar. 1, 1949. Class 17.

Block Drug Company, Inc., Jersey City, N. J. Hand deodorant cream. 510,700, June 7; Serial No. 549,695, published Mar. 8, 1949. Class 6.

Bloomer Bros. Company, Newark, N. Y. Ice cream pails of cardboard. 293,501, Apr. 26, 1932. Republished June 7. Class 2.

Bloomer Bros. Company, Newark, N. Y. Ice cream pails of cardboard. 295,531, July 5, 1932. Republished June 7. Class 2.

Bloomer Bros. Company, Newark, N. Y. Ice cream pails of cardboard. 324,816, June 4, 1935. Republished June 7. Class 2.

Bloomint Products, Inc., Chicago, Ill. Liquid dye. 510,785, June 7; Serial No. 517,461. Class 6.

Blue Ridge Textile Co., Inc., Bangor, Pa. Fabrics of nylon. 510,738, June 7; Serial No. 556,243, published Mar. 1, 1949. Class 42.

Bock, H. Anton, Co. Inc., New York, N. Y. Cigars. 510,649, June 7; Serial No. 544,035, published Mar. 1, 1949. Class 17.

Boker, H., & Co., Inc., New York, N. Y. Pocket knives. 442,857, June 7; Serial No. 522,391, published Feb. 22, 1949. Class 23.

Bonwit Teller Inc., New York, N. Y., assignor to Consolidated Cosmetics, by Consolidated Cosmetics, Chicago, Ill. Perfumes. 421,946, June 25, 1946. Republished June 7. Class 6.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 42,199, Mar. 8, 1904. Republished June 7. Class 39.

Boss Manufacturing Company, The, Kewanee, Ill. Husking devices and implements. 42,225, Mar. 8, 1904. Republished June 7. Class 23.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 87,151, July 2, 1912. Republished June 7. Class 39.

Boss Manufacturing Company, The, Kewanee, Ill. Corn husking implements. 113,936, Nov. 14, 1916. Republished June 7. Class 23.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves 7. Class 39.

Boss Manufacturing Company, The, Kewanee, Ill. Fabric and leather working gloves and mittens. 189,372, Sept. 16, 1924. Republished June 7. Class 39.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 194,413, Jan. 27, 1925. Republished June 7. Class 39.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 210,819, Mar. 23, 1926. Republished June 7. Class 39.

Boston Implement Co., Boston, Mass. Portable control mechanism for radio-receiving sets. 510,557, June 7; Serial No. 532,551, published Mar. 1, 1949. Class 21.

Boye Needle Company, The, Chicago, Ill. Phonograph needles. 510,620, June 7; Serial No. 539,805, published Feb. 22, 1949. Class 36.

Boye Needle Company, The, Chicago, Ill. Knitting pins. 510,906, June 7; Serial No. 550,579. Class 40.

Boyle and Company, Los Angeles, Calif. Vitamin capsules, ferrous sulfate tablets, ointment, etc. 510,719, June 7; Serial No. 551,686, published Mar. 1, 1949. Class 6.

Boyle Leather Goods Co. Inc., New York, N. Y. Wardrobe travelling bags, wardrobe trunks, suit cases, etc. 510,795, June 7; Serial No. 534,238. Class 3.

Bradford, Elva H., doing business as Presto Mange Remedy Company, Oklahoma City, Okla. Mange remedy. 510,599, June 7; Serial No. 537,285, published Mar. 8, 1949. Class 6.

Brendlin-Rice and Company, San Luis Obispo, Calif. Fresh vegetables and frozen vegetables. 510,609, June 7; Serial No. 538,350, published Feb. 22, 1949. Class 46.

Brill, H. C., Company, Inc., Newark, N. J. Cake mix. 241,267, renewed Sept. 10, 1929. O. G. June 7. Class 46.

Bristol Laboratories Inc., Syracuse, N. Y. Unhydrolyzed protein granules. 510,632, June 7; Serial No. 541,507, published Mar. 1, 1949. Class 6.

British Glues & Chemicals Limited, London, to British Glues & Chemicals Limited, Welwyn Garden City, England. Cattle foods. 254,896, renewed Apr. 2, 1949. O. G. June 7. Class 46.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard chalk. 187,770, Aug. 12, 1924. Republished June 7. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cloth. 204,531, Oct. 20, 1926. Republished June 7. Class 42.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cloth. 212,477, May 4, 1928. Republished June 7. Class 42.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cloth. 220,818, Nov. 16, 1926. Republished June 7. Class 42.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Mops. 344,684, Mar. 30, 1937. Republished June 7. Class 29.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard table covers. 371,011, Sept. 12, 1939. Republished June 7. Class 50.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard table cloth. 398,502, Aug. 6, 1941. Republished June 7. Class 42.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard cloth. 406,445, Apr. 4, 1944. Republished June 7. Class 42.

Bucksaff Company, The, Oshkosh, Wis. End tables, breakfast tables, drop-leaf tables, etc. 254,908, renewed Apr. 2, 1949. O. G. June 7. Class 32.

Buffington's, Incorporated, Worcester, Mass. Injectable medicinal solution. 510,710, June 7; Serial No. 551,514, published Feb. 22, 1949. Class 6.

Buffington's, Incorporated, Worcester, Mass. Medicinal preparation. 510,711, June 7; Serial No. 551,515, published Feb. 22, 1949. Class 6.

Buffington's, Incorporated, Worcester, Mass. Medicinal tablet. 510,712, June 7; Serial No. 551,516, published Feb. 22, 1949. Class 6.

Buffington's, Incorporated, Worcester, Mass. Medicinal ointment. 510,713, June 7; Serial No. 551,517, published Feb. 22, 1949. Class 6.

Buffington's, Incorporated, Worcester, Mass. Medicinal tablet. 510,714, June 7; Serial No. 551,518, published Feb. 22, 1949. Class 6.

Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Toilet soap. 510,757, June 7; Serial No. 559,578, published Mar. 1, 1949. Class 4.

Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Soap. 510,758, June 7; Serial No. 559,579, published Mar. 1, 1949. Class 4.

Business Machine Products, Inc., New York, N. Y. Typewriter bases. 442,866, June 7; Serial No. 526,785, published Mar. 8, 1949. Class 50.

Cabot, Godfrey L., Inc., Boston, Mass. Liquid obtained from pine wood by distillation. 510,626, June 7; Serial No. 540,773, published Feb. 22, 1949. Class 6.

California Walnut Growers Association, Los Angeles, Calif. Walnuts. 510,574, June 7; Serial No. 534,993, published Mar. 1, 1949. Class 46.

Campbell, Donald E., doing business as The Ace Company, Ocala, Fla. Portable hand-manipulated electric blower. 439,156, June 8, 1948. Republished June 7. Class 21.

Canales, V. R.: *See*—
Salazar, Lucila.

Canamin Corporation, New York, N. Y. Skin and face ointments, lotions, facial creams, etc. 510,693, June 7; Serial No. 546,636, published Mar. 1, 1949. Class 6.

Canby, Ach & Canby Co., The, Dayton, Ohio, to William S. Scull Company, Camden, N. J. Blended coffee and peanut butter. 258,251, renewed July 2, 1949. O. G. June 7. Class 46.

Canning Trading Company, Fort Worth, Tex. Small electric clear and table crosses. 510,616, June 7; Serial No. 539,490, published Mar. 1, 1949. Class 50.

Canoga Citrus Association, Owensmouth, to Canoga Citrus Association, Canoga Park, Calif. Fresh citrus fruits. 260,171, renewed Aug. 20, 1949. O. G. June 7. Class 46.

Capital City Products Company, The, Columbus, Ohio. Hydrogenated whole cocoanut oil. 510,657, June 7; Serial No. 544,848, published Feb. 22, 1949. Class 46.

Carborundum Company, The, to The Carborundum Company, Niagara Falls, N. Y. Abrasive materials and tools. 75,154, re-renewed Sept. 7, 1949. O. G. June 7. Class 4.

Cardinal Chemical Corporation, Newark, N. J. Lubricating oils. 510,586, June 7; Serial No. 536,498, published Feb. 22, 1949. Class 15.

Cargill, W. H. Co.: *See*—
Cargill, Walter H.

Cargill, Walter H., doing business as W. H. Cargill Co., Columbus, Ga., to Penick & Ford, Ltd., Incorporated, New York, N. Y. Sugar-cane syrup. 260,295, renewed Aug. 20, 1949. O. G. June 7. Class 46.

Carman & Co., Inc., New York, N. Y. Soap, soap powder, washing powder, etc. 510,719–20, June 7; Serial Nos. 552,221–2, published Mar. 8, 1949. Class 4.

Carmel, William, Chicago, Ill. Bottle crushers. 510,550, June 7; Serial No. 531,888, published Feb. 15, 1949. Class 23.

Carnrick, G. W., Co., Newark, N. J. Endocrine tonic. 259,725, renewed Aug. 6, 1949. O. G. June 7. Class 6.

Carnrick, G. W., Co., Newark, N. J. Endocrine tonic. 259,769, renewed Aug. 6, 1949. O. G. June 7. Class 6.

Carr, Adams & Collier Company, Dubuque, Iowa. Garage doors. 510,663, June 7; Serial No. 545,560, published Feb. 8, 1940. Class 12.

Carter Dry Goods Co., Louisville, Ky. Percales in the piece. 171,452, Aug. 7, 1923. Republished June 7. Class 42.

Carter Dry Goods Company, Louisville, Ky. Cotton piece goods, and muslins in the piece. 242,786, June 5, 1928. Republished June 7. Class 42.

Carter Dry Goods Co., Louisville, Ky. Cotton piece goods. 244,414, July 17, 1928. Republished June 7. Class 42.

Carter Dry Goods Co., Louisville, Ky. Hosiery. 248,090, Oct. 16, 1928. Republished June 7. Class 39.

Carter Dry Goods Co. Louisville, Ky. Textile blankets. 251,324, Jan. 1, 1929. Republished June 7. Class 42.

Carter Dry Goods Company, Inc., Louisville, Ky. Tobacco canvas. 248,994, Nov. 6, 1928. Republished June 7. Class 42.

Cates, Chas. F., & Sons, Inc., Faison, N. C. Pickles. 510,650, June 7; Serial No. 544,053, published Feb. 22, 1949. Class 46.

Central Chemical Company: *See*—
Goldberg, Mike S.

Chain Belt Company, Milwaukee, Wis. Food processing machines and equipment. 510,478, June 7; Serial No. 487,308, published Feb. 22, 1949. Class 23.

Chance, A. B., Company, Centralia, Mo. Line tap clamps, tap connections, grounding sets, etc. 510,621, June 7; Serial No. 540,333, published Feb. 15, 1949. Class 21.

Charles, Jean: *See*—
Marra, Mario C.

Cherokee Mills, by Cherokee Mills, Nashville, Tenn. Self rising flour. 237,270, Jan. 3, 1928. Republished June 7. Class 46.

Cherokee Mills, by Cherokee Mills, Nashville, Tenn. Self-rising flour. 237,844, Jan. 17, 1928. Republished June 7. Class 46.

Chicago Pharmacal Company, Chicago, Ill. Preparations for the treatment of diseases of the skin, the treatment of anti-arthritic, and anti-rheumatic conditions, etc. 396,710, July 26, 1942. Republished June 7. Class 6.

Chickasha Milling Company, Chickasha, Okla. Hard wheat flour. 510,576, June 7; Serial No. 535,482, published Feb. 22, 1949. Class 46.

Chicopee Manufacturing Corporation, Chicopee Falls, Mass., by Personal Products Corporation, North Brunswick Township, N. J. Sanitary napkins. 215,220, July 13, 1926. Republished June 7. Class 44.

Chilton Paint Company, College Point, N. Y. Ready-mixed, liquid, semi-paste, and paste paints, paint enamels, varnishes, etc. 300,927, Feb. 14, 1933. Republished June 7. Class 16.

Chipman Chemical Company, Inc.: *See*—
Chipman Chemical Engineering Company, Incorporated.

Chipman Chemical Engineering Company, Incorporated, Middlesex, to Chipman Chemical Company, Inc., Bound Brook, N. J. Compound for destroying vegetation. 259,588, renewed Aug. 6, 1949. O. G. June 7. Class 6.

Church & Dwight Co., Inc., New York, N. Y. Sal soda, washing soda, monohydrated carbonate of soda, etc. 510,504, June 7; Serial No. 526,776, published Sept. 14, 1948. Class 6.

Ciba Pharmaceutical Products, Inc., Summit, N. J. Bacteriostatic agent. 510,761, June 7; Serial No. 560,449, published Mar. 1, 1949. Class 6.

Cinderella Foods, assignor, by mesne assignments, to Cinderella Foods Division of Stephens Industries, Inc., by Cinderella Foods, Division of Stevens Industries, Inc., Dawson, Ga. Peanut butter, mayonnaise, salad dressing, etc. 434,803, Dec. 9, 1947. published June 7. Class 46.

Cinderella Foods Division of Stephens Industries, Inc.: *See*—
Cinderella Foods.

Clark, Cleo, Selma, Ala. Cleaning preparation. 510,802, June 7; Serial No. 547,102. Class 4.

Clark, J. R., Company, The, Minneapolis and Spring Park, Minn. Ironing tables, ironing table pad and cover sets, and clothes drying racks. 510,538, June 7; Serial No. 530,374, published Mar. 1, 1949. Class 24.

Clark, W. H., Fruit Company, Jacksonville, Fla. Fresh citrus fruits. 510,612, June 7; Serial No. 539,134, published Feb. 22, 1949. Class 46.

Cleveland Heater Company, The, Cleveland, Ohio. Gas, oil, and vapor burning water heaters, etc. 254,650, renewed Mar. 26, 1949. O. G. June 7. Class 34.

Cleveland Heater Company, The, Cleveland, Ohio. Metallic fittings and alloys. 510,482, June 7; Serial No. 502,946, published Mar. 1, 1949. Class 21.

Climax Industries, Inc., Clinton, Iowa, assignor to Liberty Products Mfg. Co., Inc., Kansas City, Mo. Rotary plows. 510,531, June 7; Serial No. 529,438, published Jan. 4, 1949. Class 23.

Clinton Metallic Paint Company, Clinton, N. Y. Cement coloring material, etc. 510,604, June 7; Serial No. 537,563, published Feb. 15, 1949. Class 12.

Clorox Chemical Co., Oakland, Calif. Liquid preparation for general cleaning purposes. 510,797, June 7; Serial No. 542,281. Class 4.

Clyde Porcelain Steel Corporation: *See*—
Porcelain Tile Company.

Cobb and Doflemyer, by W. Todd Doflemyer & Son, Exeter, Calif. Oranges and grapefruit. 121,596, May 14, 1918. Republished June 7. Class 46.

Colgate-Palmolive-Peet Company: *See*—
Kirkman & Son.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. 510,718, June 7; Serial No. 552,122, published Mar. 8, 1949. Class 4.

Collings, William A., Los Angeles, Calif., assignor to Silica Products Co., to National Lead Company, Sayreville, N. J., and New York, N. Y. Waterproofing material. 250,677, renewed Dec. 11, 1948. O. G. June 7. Class 12.

Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 222,267, Dec. 28, 1926. Republished June 7. Class 46.

Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 248,980, Mar. 25, 1930. Republished June 7. Class 46.

Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 289,581, Dec. 1, 1931. Republished June 7. Class 46.

Colorado Milling & Elevator Co., The, Denver, Colo. Self-rising flour. 311,949, Apr. 10, 1934. Republished June 7. Class 46.

Colorado Milling & Elevator Co., The, Denver, Colo. Pancake flour. 387,897, May 13, 1941. Republished June 7. Class 46.

Color-Craft Co., The: *See*—
Kearney, Dwight S.

Colton Razor Blade Company: *See*—
Ruble Blade Corporation.

Comey, R. H., Companies Consolidated, by R. H. Comey Company, Inc., Brooklyn, N. Y. Dyed and bleached braids. 245,919, Aug. 28, 1928. Republished June 7. Class 40.

Comey, R. H., Companies Consolidated, by R. H. Comey Company, Inc., Brooklyn, N. Y. Straw braid for use in men's hats. 245,995, Aug. 28, 1928. Republished June 7. Class 40.

Comey, R. H., Company, Inc.: *See*—
Comey, R. H., Companies Consolidated.

Commercial Hat and Cap Company: *See*—
Reinsberg, Ad.

Compania Swift de Montevideo, S. A., Montevideo, Uruguay. Toilet and laundry soap. 510,759, June 7; Serial No. 559,902, published Mar. 8, 1949. Class 4.

Concord Recordings: *See*—
Lane, Dorothy.

Conn, C. G., Ltd., Elkhart, Ind. Musical, various sound-emitting, and percussion instruments, parts thereof and attachments therefor. 510,533, June 7; Serial No. 529,528, published Feb. 8, 1949. Class 26.

Conn, C. G., Ltd., Elkhart, Ind. Pianos. 510,596, June 7; Serial No. 537,012, published Mar. 1, 1949. Class 36.

Conn, C. G., Ltd., Elkhart, Ind. Accordions. 510,614, June 7; Serial No. 539,397, published Mar. 1, 1949. Class 36.

Connor, J. & K., Limited, London, England. Ladies' and children's hats. 255,163, renewed Apr. 16, 1949. O. G. June 7. Class 39.

Consolidated Cosmetics: *See*—
Bonwit Teller Inc.

Consolidated Millinery Company, Chicago, Ill. Ladies' and misses' hats. 251,317, Jan. 1, 1929. Republished June 7. Class 39.

Consolidated Rendering Company, Boston, Mass. Oleo oil. 159,853, Oct. 10, 1922. Republished June 7. Class 46.

Consolidated Rendering Company, Boston, Mass. Oleo, oleo oil and shortening. 172,462, Aug. 28, 1923. Republished June 7. Class 46.

Consolidated Rendering Company, Boston, Mass. Lard, oleo oils, poultry and stock feeds, gelatine, etc. 244,353, July 17, 1928. Republished June 7. Class 46.

Consolidated Rendering Company, Boston, Mass. Plant food. 260,267, Aug. 20, 1929. Republished June 7. Class 10.

Consolidated Rendering Company, Boston, Mass. Wool shorn from sheep, furs, and bone, hides from horses and cattle, calfskins. 260,595, Aug. 27, 1929. Republished June 7. Class 1.

Consolidated Rendering Company, Boston, Mass. Fertilizers, plant food and agricultural chemicals. 321,749, Feb. 12, 1935. Republished June 7. Class 10.

Consolidated Rendering Company, Boston, Mass. Soap, grease and tallow used for soap making. 323,241, Apr. 9, 1935. Republished June 7. Class 4.

Consolidated Rendering Company, Boston, Mass. Glue. 323,306, Apr. 9, 1935. Republished June 7. Class 5.

Consolidated Rendering Company, Boston, Mass. Wool shorn from sheep, furs, and bone, hides from horses and cattle, and calfskins. 323,358, Apr. 9, 1935. Republished June 7. Class 1.

Consolidate Rendering Company, Boston, Mass. Lard, oleo stearine, oleo stearine oils and animal shortening, etc. 323,854, May 7, 1935. Republished June 7. Class 46.

Consolidated Rendering Company, Boston, Mass. Fertilizers. 356,904, May 24, 1938. Republished June 7. Class 10.

Consolidated Rendering Company, Boston, Mass. Fertilizer. 404,484, Nov. 30, 1943. Republished June 7. Class 10.

Conte, Joseph J., Chicago, Ill. Shave cream. 442,845, June 7; Serial No. 514,238, published Mar. 1, 1949. Class 4.

Continental Electric Company, Geneva, Ill. Electronic and lighting devices. 510,481, June 7; Serial No. 502,856, published Feb. 15, 1949. Class 21.

Continental Optical Company, to Continental Optical Company, Inc., Indianapolis, Ind. Ophthalmic lenses. 259,418, renewed July 30, 1949. O. G. June 7. Class 26.

Continental Optical Company, Inc.: *See*—
Continental Optical Company.

Continental Rubber Works, Erie, Pa. Rubber fabric or metal reinforced or jacketed hose. 510,708, June 7; Serial No. 550,897, published Mar. 1, 1949. Class 35.

Contour Hosiery Mills, Rockford, Ill. Hosiery. 357,615, June 7, 1938. Republished June 7. Class 39.

Coopers International Union of North America, Boston, Mass. Wooden barrels. 510,771, June 7; Serial No. 537,015, published Feb. 22, 1949. Class 2.

Coraltex, Inc., Los Angeles, Calif. Fiber board for construction purposes. 510,647, June 7; Serial No. 543,788, published Feb. 15, 1949. Class 12.

Cornel Drug Stores, Inc., New York, to P. M. Products, Inc., Jackson Heights, Long Island, N. Y. Preparation for the kidneys. 254,638, renewed Mar. 26, 1949. O. G. June 7. Class 6.

Cornel Drug Stores Inc., New York, to P. M. Products, Inc., Jackson Heights, Long Island, N. Y. Preparation for headache, colds, influenza, etc. 254,639, renewed Mar. 26, 1949. O. G. June 7. Class 6.

County Perfumery Company, Inc., The, Bloomfield, N. J. Tooth paste. 442,845, June 7; Serial No. 511,381, published Mar. 8, 1949. Class 6.

Cowin & Co., Inc., Minneapolis, Minn. Aluminum and steel prefabricated building structures. 510,543, June 7; Serial No. 530,921, published Feb. 15, 1949. Class 12.

Coxhead, Ralph C., Corporation, New York, N. Y. Office composing machines and repair parts therefor. 510,548, June 7; Serial No. 531,653, published Feb. 22, 1949. Class 23.

Crofut & Knapp Co., The, South Norwalk, by Hat Corporation of America, Norwalk, Conn. Hats for men and women. 234,609, Nov. 1, 1927. Republished June 7. Class 39.

Crofut & Knapp Co., The, South Norwalk, by Hat Corporation of America, Norwalk, Conn. Headwear. 287,266, Sept. 10, 1931. Republished June 7. Class 39.

Crump, B. T., Company, Inc., Richmond, Va. Harness and saddlery. 510,798, June 7; Serial No. 542,290. Class 3.

Cudahy Brothers Co., Cudahy, Wis. Hog food. 510,790, June 7; Serial No. 522,087. Class 46.

Cudahy Packing Company, The, Chicago, Ill. Soap powder. 510,706, June 7; Serial No. 550,791, published Feb. 15, 1949. Class 4.

Davies, William, Co., Inc.: *See*—
Davies, William, Company, Limited.

Davies, William, Company, Limited, The, by William Davies Co., Inc., Chicago, Ill. Bacon. 130,695, May 4, 1920. Republished June 7. Class 46.

Davis & Catterall, New York, N. Y. Ladies' scarves and handkerchiefs. 439,750, July 20, 1948. Republished June 7. Class 39.

Dayton Scale Company, Dayton, to The Hobart Manufacturing Company, Troy, Ohio. Reading lens. 259,937, renewed Aug. 13, 1949. O. G. June 7. Class 26.

Deere & Company, Moline, Ill. Tractors. 442,633, June 7; Serial No. 501,902, published Feb. 22, 1949. Class 23.

Delavelle (G. B.) Limited, London, England. Perfumes, toilet waters, preparations for the hair, etc. 510,633, June 7; Serial No. 541,521, published Feb. 22, 1949. Class 6.

Denniston Company, The, Chicago, Ill. Nails. 379,005, June 25, 1940. Republished June 7. Class 13.

Denaco, Incorporated, Denver, Colo. Methyl methacrylate denture material. 510,809, June 7; Serial No. 552,307. Class 44.

Derma Products, New York, N. Y. Adhesive strips. 409,943, Oct. 31, 1944. Republished June 7. Class 44.

Detroit Graphite Company, Detroit, Mich. Caulking and glazing compound. 510,675, June 7; Serial No. 546,680, published Feb. 15, 1949. Class 12.

Devere Company, Racine, Wis. Laundry machinery and equipment. 510,496, June 7; Serial No. 521,119, published Mar. 1, 1949. Class 24.

Dewey and Almy Chemical Company, North Cambridge, Mass. Gas absorbents. 510,563, June 7; Serial No. 526,701, published Mar. 8, 1949. Class 6.

Diamond Chain Company, Inc., Indianapolis, Ind. Power transmission chains and parts thereof, sprockets and sprocket wheels, etc. 510,501, June 7; Serial No. 526,532, published Feb. 22, 1949. Class 23.

Diamond Power Specialty Corporation, Detroit, Mich. Television transmitting and receiving apparatus 510,611, June 7; Serial No. 539,035, published Feb. 22, 1949. Class 21.

Dime Silver Club, Inc., The, Atlanta, Ga. Silver plated tableware. 510,803, June 7; Serial No. 549,135. Class 28.

Diversey Corporation, The, Chicago, Ill. Cleaning compound. 510,684, June 7; Serial No. 547,520, published Feb. 15, 1949. Class 4.

Diversey Corporation, The, Chicago, Ill. Cleaning compound. 510,746, June 7; Serial No. 557,734, published Feb. 22, 1949. Class 4.

Dixie Mills Company, East St. Louis, Ill. Poultry feeds. 387,302, May 13, 1941. Republished June 7. Class 46.

Dixie-Portland Flour Co.: *See*—
Plant Flour Mills Company.

Doflemyer, W. Todd, & Son: *See*—
Cobb and Doflemyer.

D'Orsay Perfumeries Corporation, New York, N. Y. Soaps. 510,703, June 7; Serial No. 550,586, published Mar. 6, 1949. Class 4.

Doyle Packing Company, Los Angeles, Calif. Canned dog food. 510,653, June 7; Serial No. 544,428, published Feb. 22, 1949. Class 46.

Dunlap & Co., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Hats. 176,834, Dec. 4, 1923. Republished June 7. Class 39.

Dunlap & Co., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Straw hats and felt hats. 180,056, Feb. 19, 1924. Republished June 7. Class 39.

Du Pont, E. I., de Nemours and Company: *See*—
Newport Manufacturing Company.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Rust solvent. 258,573, renewed July 9, 1949. O. G. June 7. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Seed disinfectant. 259,006, renewed July 23, 1949. O. G. June 7. Class 6.

Durham-Enders Razor Corporation, Mystic, Conn. Stropper outfits. 510,717, June 7; Serial No. 551,956, published Mar. 1, 1949. Class 4.

E Z Thread Company, New York, N. Y. Shoulder pads. 510,781, June 7; Serial No. 510,580. Class 40.

Eagle Electric Mfg. Co., Inc., Long Island City, N. Y. Electric attachment plugs. 342,027, Dec. 29, 1936. Republished June 7. Class 21.

Eastern Amplifier Corporation, New York, N. Y. Radio-receiving sets, radio-transmitting sets, television-receiving sets, etc. 442,824, June 7; Serial No. 489,950, published Feb. 22, 1949. Class 21.

Eastern Tube and Tool Co., Inc., Brooklyn, N. Y. Non-metallic cable conduit or tube. 510,617, June 7; Serial No. 539,503, published Feb. 15, 1949. Class 21.

Eastman Oil Well Survey Company, Denver, Colo. Oil well tools. 510,485, June 7; Serial No. 507,674, published Feb. 22, 1949. Class 23.

Eaton Manufacturing Company, Cleveland, Ohio. Lock washers. 510,808, June 7; Serial No. 551,878. Class 13.

Edmilton Corporation, Ridgefield, Conn. Portable perfume dispensers for cosmetic use. 442,852, June 7; Serial No. 517,838, published Mar. 2, 1948. Class 2.

Elam Mills, Inc., Chicago, Ill. Whole wheat flour, whole wheat meal, whole corn meal, etc. 510,639, June 7; Serial No. 542,216, published Feb. 22, 1949. Class 46.

Electric Specialty Company Incorporated, Stamford, Conn. Direct and alternating current motors, generators, motor-generators, etc. 510,589, June 7; Serial No. 536,610, published Feb. 22, 1949. Class 21.

Electric Eye Equipment Corporation, Danville, Ill. Electronically timed telegraph key with automatic keying relay and monitor. 510,662, June 7; Serial No. 545,359, published Feb. 8, 1949. Class 21.

Electro Manufacturing Corporation, Chicago, Ill. Fluorescent lamps and lighting fixtures. 510,529, June 7; Serial No. 528,917, published Mar. 1, 1949. Class 21.

Ellison Louvre Company, Inc., Marietta, Ohio. Metal ventilators. 510,542, June 7; Serial No. 530,748, published Feb. 8, 1949. Class 12.

Emeterio Flores, New York, N. Y., to E. Flores, Espinardo, Spain. Paprika. 241,946, renewed May 8, 1948. O. G. June 7. Class 46.

Empire Box Corporation: *See*—
Empire Box Corporation of Delaware.

Empire Box Corporation, Chicago, Ill., by Empire Box Corporation, Garfield, N. J. Paper boxes and cartons. 281,134, Mar. 10, 1931. Republished June 7. Class 2.

Empire Box Corporation, Garfield, N. J., and Chicago, Ill., by Empire Box Corporation, Garfield, N. J. Collapsible glued boxes, cartons, and trays. 385,606, Mar. 11, 1941. Republished June 7. Class 2.

Empire Box Corporation, Garfield, N. J. Egg cartons. 421,311, May 28, 1946. Republished June 7. Class 2.

Empire Box Corporation, Garfield, N. J. Collapsible glued boxes, cartons and trays. 426,728–9. Jan. 7, 1947. Republished June 7. Class 2.

Empire Box Corporation of Delaware, New Brunswick, by Empire Box Corporation, Garfield, N. J. Boxboard. 316,936, Sept. 11, 1934. Republished June 7. Class 37.

Enid Mfg. Co., to Malden Form Brassiere Co., New York, N. Y., Brassieres. 262,399, renewed Feb. 5, 1949. O. G. June 7. Class 39.

Enrich, Henry A., & Co., Inc., New York, N. Y. Garment bags and shoe bags. 510,567, June 7; Serial No. 534,238, published Mar. 8, 1949. Class 2.

Erie Brewing Company, The, Erie, Pa. Ale. 439,974, Aug. 3, 1948. Republished June 7. Class 48.

Ernecke and Salmstein, by Ernecke & Salmstein Co., Chicago, Ill. Enamel-paint. 71,334, Nov. 17, 1908. Republished June 7. Class 16.

Ernecke & Salmstein Co.: *See*—
Ernecke and Salmstein.

Esbelman, John W., & Sons, Lancaster, Pa. Poultry foods and livestock foods. 242,461, May 22, 1928. Republished June 7. Class 46.

Esbelman, John W., & Sons, Lancaster, Pa. Livestock foods. 242,462–3, May 22, 1928. Republished June 7. Class 46.

Esso Standard Oil Company: *See*—
Stanco Incorporated.

Euclid Candy Company, Inc., The: *See*—
Euclid Underwriting Corporation, The.

Euclid Underwriting Corporation, The, by The Euclid Candy Company, Inc., Brooklyn, N. Y. Candy. 418,404, Dec. 18, 1945. Republished June 7. Class 46.

F. E. I. Corporation, The, Pittsburgh, Pa. and Dover, Del. Super-quick drying waveset, nail polish, nail polish remover, etc. 510,679, June 7; Serial No. 546,988, published Mar. 1, 1949. Class 6.

Far Eastern Manufacturing Co., Long Island City, N. Y. Shredded coconut. 510,546, June 7; Serial No. 531,320, published Feb. 22, 1949. Class 46.

Farmers Exchange, Inc., Onley, Va. Fresh vegetables. 442,849, June 7; Serial No. 516,541, published Feb. 22, 1949. Class 46.

Fat Men's Shop, Inc.: *See*—
Greenberger, Eva K.

Faucett, James V.: *See*—
Faucett, John H.

Faucett, John H., to J. V. Faucett, Bath, N. Y. Anthracite and bituminous coal. 254,053, renewed Mar. 12, 1949. O. G. June 7. Class 1.

Fels & Company, Philadelphia, Pa. Soap. 510,801, June 7; Serial No. 544,562. Class 4.

Fernandes, Manuel A., Los Angeles, Calif. Cigars. 442,850, June 7; Serial No. 497,086, published Mar. 1, 1949. Class 17.

Fifty-Fifty Manufacturing Co.: *See*—
Tizio, Vincent.

Fischel, Henry A., Inc., Philadelphia, Pa. Tobacco in its various forms for use as a poultry and stock vermicide and vermifuge. 313,399, May 29, 1934. Republished June 7. Class 6.

Fischer, Carl, Inc., to Carl Fischer Musical Instrument Co., Inc., New York, N. Y. Woodwind, brass, and reed musical instruments, etc. 250,802, renewed Dec. 18, 1948. O. G. June 7. Class 36.

Fischer, Carl, Musical Instrument Co., Inc.: *See*—
Fischer, Carl, Inc.

Fisher Company: *See*—
Respondek, John E.

Flintkote Company, The: *See*—
Bird, J. A. & W., & Co.

Flintkote Company, The, Boston, Mass., to The Flintkote Company, New York, N. Y. Asphaltic composition roofing in roll form. 255,449, renewed Apr. 23, 1949. O. G. June 7. Class 12.

Flotatone Company, The, Milwaukee, Wis. Sound amplifying attachments. 510,565, June 7; Serial No. 533,671, published Mar. 1, 1949. Class 21.

Fluid Systems, Incorporated, Hamden, Conn. Apparatus consisting of an electrical transformer, an electrical control panel and a tank unit. 510,780, June 7; Serial No. 504,480. Class 21.

Food Machinery and Chemical Corporation: *See*—
Westvaco Chlorine Products Corporation.

Forstner Chain Corporation, Irvington, N. J. Chains for personal adornment. 144,393–4, July 5, 1921. Republished June 7. Class 28.

Forstner Chain Corporation, Irvington, N. J. Key chains, watch chains, tie holders, etc. 349,267, Aug. 24, 1937. Republished June 7. Class 28.

Fougera, E., & Company, Inc., New York, N. Y. Liquid used in X-ray and Roentgen ray photography. 510,692, June 7; Serial No. 548,357, published Feb. 22, 1949. Class 6.

Friedman Manufacturing Company: *See*—
Armour and Company.

Fritzsche Brothers, Inc., New York, N. Y. Odor mask. 510,655, June 7; Serial No. 544,583, published Mar. 1, 1949. Class 6.

Frost, A. W., Co.: *See*—
Frost, Avery W.

Frost, Avery W., doing business as A. W. Frost Co., Chicago, Ill., to S. Henry, New York, N. Y. Face powder, toilet powder, tissue cream, etc. 254,176, renewed Mar. 12, 1949. O. G. June 7. Class 6.

Fuller, B. B., & Co., Inc., New York, N. Y. Textile fabrics in the piece. 510,819, June 7; Serial No. 568,605. Class 42.

G-M Laboratories, Inc., Chicago, Ill. Electrical fans and portable electrical knife sharpeners. 510,645, June 7; Serial No. 543,173, published Mar. 1, 1949. Class 21.

Gamewell Company, The, Newton and Newton Upper Falls, Mass. Electrical fire alarm systems, electrical police signalling systems, and electrical telephone systems, etc. 300,644, Jan. 31, 1933. Republished June 7. Class 21.

General Dyestuff Corporation: *See*—
I. G. Farbenindustrie Aktiengesellschaft.

General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Fatty acids. 510,733, June 7; Serial No. 554,660, published Mar. 8, 1949. Class 6.

General Tractor Company, The, Cleveland, Ohio, to The Oliver Corporation, Chicago, Ill. Tractors. 252,919, renewed Feb. 19, 1949. O. G. June 7. Class 23.

Gerber Legendary Blades, Portland, Oreg. Steak knives. 510,568, June 7; Serial No. 534,622, published Feb. 15, 1949. Class 28.

Gevaert Photo-Producten: *See*—
Gevaert Photo Producten.
Gevaert Photo Producten N. V.

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Gevaert Photo Producten, Oude-God, near Antwerp, Belgium, to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamloze Vennootschap or Societe Anonyme, Mortsel, near Antwerp, Belgium. Cameras, photographic films on spools, etc. 162,250–2, renewed Dec. 12, 1942. O. G. June 7. Class 26.

Gevaert Photo-Producten, Oude-God, near Antwerp, Belgium, to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamloze Vennootschap or Societe Anonyme, Mortsel, near Antwerp, Belgium. Cameras, photographic films on spools, etc. 165,667–9, renewed Mar. 20, 1943. O. G. June 7. Class 26.

Gevaert Photo-Producten, Oude-God, near Antwerp, Belgium, to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamloze Vennootschap or Societe Anonyme, Mortsel, near Antwerp, Belgium. Cameras, photographic films on spool, film packs, etc. 165,756, renewed Mar. 20, 1943. O. G. June 7. Class 26.

Gevaert Photo Producten, Oude-God, near Antwerp, Belgium, to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamloze Vennootschap or Societe Anonyme, Mortsel, near Antwerp, Belgium. Cameras, photographic films on spools, etc. 166,000, renewed Mar. 27, 1943. O. G. June 7. Class 26.

Gevaert Photo Producten, Oude-God, near Antwerp, Belgium, to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamloze Vennootschap or Societe Anonyme, Mortsel, near Antwerp, Belgium. Cameras, photographic films on spools, etc. 166,053, renewed Mar. 27, 1943. O. G. June 7. Class 26.

Gevaert Photo-Producten, Oude-God, near Antwerp, Belgium, to Gevaert Photo-Producten (also doing business as Photo-Produits Gevaert), Naamloze Vennootschap or Societe Anonyme, Mortsel, near Antwerp, Belgium. Sensitized photographic papers. 190,178, renewed Oct. 7, 1944. O. G. June 7. Class 26.

Gibbs, Malcolm G., doing business as Key Chemical Company, by Associated Products Company, Washington, D. C. Preparation for treatment of headache, neuralgia, nervousness, etc. 181,279, Mar. 18, 1924. Republished June 7. Class 6.

Gibson Incorporated, Kalamazoo, Mich. Guitars, mandolins, violins, banjos, etc. 510,594, June 7; Serial No. 536,891, published Mar. 8, 1949. Class 36.

Gift of The Month, Inc., New York, N. Y. Liquid air purifier and cleanser of a chemical nature. 510,690, June 7; Serial No. 549,630, published Mar. 1, 1949. Class 6.

Gillette Publishing Company, Chicago, Ill. Annual publication. 442,872, June 7; Serial No. 523,520. Class 38.

Girard Manufacturing Company, Jersey City, N. J. Trunks, hand bags, suitcases. 442,870, June 7; Serial No. 508,520. Class 3.

Gold Banner Association, Redlands, Calif. Fresh citrus fruits. 255,479, renewed Apr. 23, 1949. O. G. June 7. Class 46.

Goldberg, Mike S., doing business as Central Chemical Company, Dallas, Tex. Deodorant. 510,629, June 7; Serial No. 541,132, published Mar. 1, 1949. Class 6.

Goldman-Baer Company, to The Goldman Company, Baltimore, Md. Middy blouses, ladies', children's, and misses' dresses; knickers, etc. 257,220, renewed June 4, 1949. O. G. June 7. Class 39.

Goldman Company, The: *See*—
Goldman-Baer Company.

Gollomp, N., & Sons, New York, N. Y. Misses' and women's dresses. 415,718, Aug. 14, 1945. Canceled. O. G. June 7. Class 39.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Accelerators for the vulcanization of rubber. 510,762, June 7; Serial No. 550,701, published Mar. 1, 1949. Class 6.

Gordon Gordon, Ltd., Chicago, Ill. Eyelash and eyebrow groomer and beautifier in mascara form. 442,830, June 7; Serial No. 503,901, published July 20, 1948. Class 6.

Grady-Travers Company, Incorporated, The, New York, N. Y. Cotton twine, cotton rope, jute, hemp, etc. 510,792, June 7; Serial No. 526,736. Class 7.

Grancell, Paul, doing business as Paul Grancell Co., Los Angeles, Calif. Rotatable spatula. 510,554, June 7; Serial No. 532,288, published Feb. 22, 1949. Class 23.

Grancell, Paul Co.: *See*—
Grancell, Paul.

Gray Company, Inc., Minneapolis, Minn., assignor to Gray Company, Inc. Treadle, hand, air, and/or mechanically operated cleaning machines, etc. 442,825, June 7; Serial No. 490,589, published Feb. 22, 1949. Class 23.

Graybar Electric Company, Inc., New York, N. Y. Radio receiving sets and parts thereof. 261,080, renewed Sept. 3, 1949. O. G. June 7. Class 21.

Great American Tea Company, The, New York, N. Y. Liquid preparation for removing spots from fabrics, clothing, carpets, etc., and a cleaning preparation. 510,704, June 7; Serial No. 550,687, published Feb. 15, 1949. Class 4.

Great American Tea Company, The, New York, N. Y. Laundry washing powder. 510,706, June 7; Serial No. 550,686, published Mar. 1, 1949. Class 4.

Greenberger, Eva K., to Fat Men's Shop, Inc., New York, N. Y. Men's dress shirts, work shirts, undershirts, etc. 340,338, Nov. 3, 1936. New certificate. O. G. June 7. Class 39.

Gregory & Read Company, Lynn, Mass. Womens' boots, shoes and slippers. 308,733, Dec. 19, 1933. Republished June 7. Class 39.

Greif Bros. Cooperage Corporation, The, Cleveland, Ohio. Barrels and drums. 510,564, June 7; Serial No. 533,561, published Feb. 22, 1949. Class 2.

Guth, Edwin F., Company The, St. Louis, Mo. Electric lighting fixtures. 510,514, June 7; Serial No. 527,019, published Feb. 22, 1949. Class 21.

Guth, Edwin F., Company, The, St. Louis, Mo. Electric lighting fixtures. 510,515, June 7; Serial No. 527,024, published Feb. 22, 1949. Class 21.

Guth, Edwin F., Company, The, St. Louis, Mo. Fixtures for electric lights. 510,516, June 7; Serial No. 527,098, published Mar. 1, 1949. Class 21.

Guth, Edwin F., Company, The, St. Louis, Mo. Fixtures for electric lights. 510,518, June 7; Serial No. 527,161, published Mar. 1, 1949. Class 21.

Haarer & Sons, Ann Arbor, Mich. Salves and ointments. 94,446, Dec. 9, 1913. Republished June 7. Class 6.

Haas-Miller Corporation, Philadelphia, Pa. White, crystalline alkali. 510,760, June 7; Serial No. 560,104, published Mar. 1, 1949. Class 4.

Haase, Wilbert W., doing business as Winnebago Steel Products Company, Fond du Lac, Wis. Concrete burial vault hoist apparatus. 510,535, June 7; Serial No. 530,066, published Feb. 22, 1949. Class 23.

Hall Hardware Company, Minneapolis, Minn. Varnish. 422,748, Aug. 13, 1946. Republished June 7. Class 16.

Hall & Rockel, Inc., New York, N. Y. Skin lotion. 510,729, June 7; Serial No. 553,853, published Feb. 22, 1949. Class 6.

Hallemite Manufacturing Co., The, Cleveland, Ohio. Quick setting non-shrinking cement. 510,642, June 7; Serial No. 542,565, published Feb. 15, 1949. Class 12.

Hanes Associated Mills, Inc., by F. W. Woolworth Co., New York, N. Y. Women's hosiery. 370,883, Sept. 12, 1939. Republished June 7. Class 39.

Hardison, T. W., doing business as Petit Jean Springs Company, Morrilton, Ark. Natural spring water. 389,052, July 22, 1941. Republished June 7. Class 45.

Harper and Kensell, Bethany, Okla. Short wave current generating apparatus used for therapeutic purposes. 510,772, June 7; Serial No. 482,533. Class 44.

Hartmann Company, Racine, Wis. Suitcases, luggage-carrying cases, and wardrobe suitcases. 439,535, July 8, 1948. Republished June 7. Class 3.

Hat Corporation of America: *See*—
Crofut & Knapp Co., The.
Dunlap & Co.
Hodahon-Berg, Incorporated.
Knox Hat Company, Inc.

Hat Corporation of America, Norwalk, Conn. Hats for men and women. 305,702, Aug. 22, 1933. Republished June 7, 1949. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for men and women. 318,089, Oct. 16, 1934. Republished June 7. Class 39.

Hat Corporation of America, Norwalk, Conn. Wearing apparel. 324,141, May 14, 1935. Republished June 7. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for men and women. 324,229, May 14, 1935. Republished June 7. Class 39.

Hat Corporation of America, Norwalk, Conn. Felt hats for men. 328,730, Oct. 1, 1935. Republished June 7. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for men and women. 336,542, July 7, 1936. Republished June 7. Class 39.

Hat Corporation of America, Norwalk, Conn. Felt and fabric hats for men and women. 342,551, Jan. 19, 1937. Republished June 7. Class 39.

Hat Corporation of America, Norwalk, Conn. Wearing apparel. 351,978, Nov. 16, 1937. Republished June 7. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for men and women. 355,402, Mar. 15, 1938. Republished June 7. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for men. 367,212, May 9, 1939. Republished June 7. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for men and women. 385,636, Mar. 11, 1941. Republished June 7. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for men and women. 393,635, Feb. 24, 1942. Republished June 7. Class 39.

Hat Corporation of America, Norwalk, Conn. Wearing apparel. 412,772, Mar. 27, 1945. Republished June 7. Class 39.

Hat Corporation of America, Norwalk, Conn. Ladies' reticules, purses, pocketbooks, and pouches. 421,932, June 25, 1946. Republished June 7. Class 3.

Hat Corporation of America, Norwalk, Conn. Hats for men and women. 438,476, Apr. 20, 1948. Republished June 7. Class 39.

Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Iwilei, Hawaii, to Hawaiian Tuna Packers, Limited, Honolulu, Territory of Hawaii. Canned fruits and fruit juices for food-flavoring purposes. 256,965, renewed May 28, 1949. O. G. June 7. Class 46.

Hawaiian Tuna Packers, Limited: *See*—
Hawaiian Pineapple Company, Ltd.

Health-Aids Research: *See*—
Hecker, Milton.

Hecker, Milton, doing business as Health-Aids Research, Chicago, Ill. Preparation for home treatment and relief of drunkenness. 510,747, June 7; Serial No. 557,923, published Mar. 1, 1949. Class 6.

Heckmann, Hans J., doing business as Hans J. Heckmann Company, Towson, Md. Detergent. 510,749, June 7; Serial No. 558,786, published Mar. 1, 1949. Class 4.

Heckmann, Hans J., Company: *See*—
Heckmann, Hans J.

Henry Laboratories, Inc., Nashville, Tenn. Nerve preparation. 510,685, June 7; Serial No. 547,543, published Mar. 1, 1949. Class 6.

Henry, Sidney: *See*—
Frost, Avery W.

Herb Farm Shop, Ltd., The, Elizabeth, N. J. Skin lotion. 510,634, June 7; Serial No. 541,624, published Feb. 22, 1949. Class 6.

Hercules Powder Company, Wilmington, Del. Hydroabietyl alcohol. 510,743, June 7; Serial No. 557,356, published Feb. 22, 1949. Class 6.

Heribert, Herbert J., New York, N. Y. Adhesives in the form of cements, glues, and pastes, etc. 417,298, Oct. 23, 1945. Canceled. O. G. June 7. Class 5.

Heribert, Herbert J., New York, N. Y. Adhesive cement. 417,704, Nov. 13, 1945. Canceled. O. G. June 7. Class 5.

Heribert, Herbert J., New York, N. Y. Solution to be used as a coating, finish, or lacquer for textiles and for plastics, etc. 421,947, June 25, 1946. Canceled. O. G. June 7. Class 6.

Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y., to Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Safes. 70,369, re-renewed Aug. 25, 1948. O. G. June 7. Class 25.

Herring-Hall-Marvin Safe Company, Hamilton, Ohio, and New York, N. Y., to Herring-Hall-Marvin Safe Company, Hamilton, Ohio. Safes. 70,411, re-renewed Aug. 25, 1948. O. G. June 7. Class 25.

Hester Battery Manufacturing Company, Inc., Nashville, Tenn. Storage batteries. 510,671, June 7; Serial No. 546,222, published Mar. 1, 1949. Class 21.

Hewitt Soap Company, Inc., The, Dayton, Ohio. Sudsing cleaner, cleanser, and detergent. 510,524, June 7; Serial No. 527,932, published Feb. 15, 1949. Class 4.

Hieber, William S., doing business as Henri Monet, Atlanta, Ga. Perfumes. 442,836, June 7; Serial No. 503,196, published Feb. 22, 1949. Class 6.

Hightowec Laboratories, Los Angeles, Calif. Medicinal dosages containing vitamins, minerals, and hormones. 442,840, June 7; Serial No. 505,651, published May 6, 1947. Class 6.

Hill Packing Company, Topeka, Kans. Dog food. 510,577–8, June 7; Serial Nos. 535,526–7, published Feb. 22, 1949. Class 46.

Hirsch, G. B., Co. Inc., New York, N. Y. Machetes. 510,673, June 7; Serial No. 546,448, published Feb. 8, 1949. Class 23.

Hobart Manufacturing Company, The: *See*—
Dayton Scale Company.

Hudshon-Berg, Incorporated, Norwalk, Conn., and New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Hats for men and women. 294,496, May 31, 1932. Republished June 7. Class 39.

Hollins, William, & Co. Limited: *See*—
Hollins, William, and Company, Limited.

Hollins, William, and Company, Limited, Mansfield, Bedford, Nottingham, Bridgeton, and London, England, and Glasgow, Scotland, to William Hollins & Co. Limited, Nottingham, England. Women's garments. 74,515, re-renewed July 20, 1949. O. G. June 7. Class 39.

Holman, H. J., & Sons Inc., by Lakeland Mfg. Co., Sheboygan, Wis. Men's and boys' cotton, silk, wool, and flannel negligee, work, and dress shirts; overalls, etc. 240,479, Mar. 27, 1928. Republished June 7. Class 39.

Holyoke Belting Company, Holyoke, Mass. Leather belting. 434,275, Nov. 18, 1947. Republished June 7. Class 35.

Hoover Company, The, North Canton, Ohio. Electrical domestic and commercial suction cleaners and parts therefor. 510,519, June 7; Serial No. 527,225, published Mar. 1, 1949. Class 21.

Houdaille-Hershey Corporation: *See*—
Houde Engineering Corporation.

Houde Engineering Corporation, Buffalo, N. Y., by Houdaille-Hershey Corporation, Detroit, Mich. Shock absorber fluid. 305,688–9, Aug. 22, 1933. Republished June 7. Class 6.

Houde Engineering Corporation, Buffalo, N. Y., by Houdaille-Hershey Corporation, Detroit, Mich. Shock absorber fluid. 306,514–15, Sept. 19, 1933. Republished June 7. Class 15.

Hougbland Packing Co., Inc., The, Franklin, Ind. Canned vegetables. 510,566, June 7; Serial No. 533,894, published Mar. 1, 1949. Class 46.

Household Products Company: *See*—
Simmons, George W., Corporation.

Howe Chain Company, Muskegon, Mich., by Link-Belt Company, Chicago, Ill. Drive chains. 178,179, Jan. 8, 1924. Republished June 7. Class 13.

Huber, J. M., Corporation, Locust, N. J., and New York, N. Y. Printing inks. 510,569, June 7; Serial No. 534,630, published Feb. 22, 1949. Class 11.

Hummel and Downing Company, Milwaukee, Wis. Fiber board cartons. 510,498, June 7; Serial No. 523,672, published Feb. 1, 1949. Class 2.

Hyco Products, Cincinnati, Ohio. Liquid laundry starch. 442,831, June 7; Serial No. 497,180, published June 17, 1947. Class 6.

Hysan Products Company, Chicago, Ill. Chemical cleaning powder. 510,765, June 7; Serial No. 562,062, published Feb. 15, 1949. Class 4.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, by General Dyestuff Corporation, New York, N. Y. Chemicals. 252,556, Feb. 12, 1929. Republished June 7. Class 6.

Ihtholine Limited, Brentford, Middlesex, England. Shaving soap. 510,766, June 7; Serial No. 563,184, published Feb. 15, 1949. Class 4.

Imporial Minerals, Inc., Denver, Colo. Dietary mineral feed supplement for live stock and poultry. 510,637, June 7; Serial No. 542,135, published Feb. 22, 1949. Class 6.

Independent Stio Company, St. Paul, Minn. Caulking of various mixtures and consistencies for caulking openings. 442,823, June 7; Serial No. 462,006, published May 25, 1948. Class 12.

Industrial Molded Products Co., Inc., Chicago, Ill. Molded plastic articles. 510,491, June 7; Serial No. 515,226, published Feb. 22, 1949. Class 21.

Industrial Tape Corporation, North Brunswick Township, N. J. Transparent adhesive tapes. 385,834, Mar. 18, 1941. Republished June 7. Class 5.

Industrial Tape Corporation, North Brunswick Township, N. J. Pressure-sensitive adhesive tapes. 388,238, June 17, 1941. Republished June 7. Class 5.

Industrial Tape Corporation, North Brunswick Township, N. J. Pressure sensitive adhesive tapes. 401,619, May 25, 1943. Republished June 7. Class 5.

Industrial Tape Corporation, North Brunswick Township, N. J. Colored, translucent, and non-transparent adhesive tapes. 417,602, Nov. 6, 1945. Republished June 7. Class 5.

Industrial Tape Corporation, North Brunswick Township, N. J. Adhesive surgical tapes. 428,860, Apr. 8, 1947. Republished June 7. Class 44.

Industrial Tape Corporation, North Brunswick Township, N. J. Adhesive tape dispensers. 432,554, Sept. 2, 1947. Republished June 7. Class 2.

Industrial Tape Corporation, North Brunswick Township, N. J. Adhesive cements. 433,551, Oct. 21, 1947. Republished June 7. Class 5.

Industrial Tape Corporation, North Brunswick Township, N. J. Plastic coated mending tape. 435,827, Jan. 13, 1948. Republished June 7. Class 5.

Industrial Television, Inc., Clifton, N. J. Television receivers. 510,680, June 7; Serial No. 547,126, published Feb. 22, 1949. Class 21.

Interchemical Corporation, New York, N. Y. Printing inks and offset compounds. 510,571, June 7; Serial No. 534,784, published Feb. 22, 1949. Class 11.

International Brotherhood of Electrical Workers, Washington, D. C. Electrical equipment and supplies, telephones and telephone supplies, household appliances. 442,826, June 7; Serial No. 491,328, published Feb. 8, 1949. Class 21.

International Brotherhood of Electrical Workers, Washington, D. C. Electrical equipment and supplies, telephones and telephone supplies, etc. 442,827, June 7; Serial No. 491,329, published Feb. 8, 1949. Class 21.

International Harvester Company, Chicago, Ill. Cotton pickers, cotton harvesters, and parts thereof. 510,480, June 7; Serial No. 494,973, published Feb. 8, 1949. Class 23.

International Shoe Co.: *See*—
Roberts, Johnson, & Rand Shoe Company.

International Shoe Co., St. Louis, Mo. Boots and shoes of leather. 258,435, renewed July 9, 1949. O. G. June 7. Class 39.

Iowa Master Breeders, Incorporated, Onawa and Sioux City, Iowa. Baby chicks. 510,559, June 7; Serial No. 533,026, published Mar. 1, 1949. Class 1.

Iowa Master Breeders, Incorporated, Onawa and Sioux City, Iowa. Inhalant preparation. 510,715, June 7; Serial No. 551,562, published Mar. 1, 1949. Class 6.

Jaeger Machine Company, The, Columbus, Ohio. Construction machines. 510,544, June 7; Serial No. 530,937, published Feb. 22, 1949. Class 23.

James Brothers, by James Candy Company, Atlantic City, N. J. Candies. 183,364, Apr. 29, 1924. Republished June 7. Class 46.

James Brothers, by James Candy Company, Atlantic City, N. J. Candy. 184,680, May 27, 1924. Republished June 7. Class 46.

James Brothers, by James Candy Company, Atlantic City, N. J. Candies and ice cream. 184,690, May 27, 1924. Republished June 7. Class 46.

James Candy Company: *See*—
James Brothers.
James, Inc.

James, H. A., New York, N. Y. Men's and boys' knit polo shirts, knit pajamas, and knit T-shirts, etc. 440,181, Aug. 10, 1948. Republished June 7. Class 39.

James, Inc., by James Candy Company, Atlantic City, N. J. Confections. 290,903, Jan. 19, 1932. Republished June 7. Class 46.

James, Inc., by James Candy Company, Atlantic City, N. J. Confections. 366,781, May 2, 1939. Republished June 7. Class 46.

Jamestown-Royal Upholstery Corp., Jamestown, N. Y. Upholstered furniture. 329,586, Nov. 5, 1935. Republished June 7. Class 32.

Janisch Roofing Company: *See*—
Janisch, Walter C.

Janisch, Walter C., doing business as Janisch Roofing Company, Janesville, Wis. Specially prepared loose fill thermal insulation. 510,601, June 7; Serial No. 537,456, published Feb. 8, 1949. Class 12.

Jaques Mfg. Co., Chicago, Ill. Baking-powder. 86,807, June 4, 1912. Amended. O. G. June 7. Class 6.

Jenkin-Guerin Inc., St. Louis, Mo. Lubricating oils and greases. 510,522, June 7; Serial No. 527,420, published Feb. 22, 1949. Class 15.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Toilet soap. 510,697, June 7; Serial No. 549,154, published Feb. 15, 1949. Class 4.

Jerry, Bernard L., doing business as Richmond Belting Company, Richmond, Va. Transmission belting. 510,725, June 7; Serial No. 553,284, published Mar. 1, 1949. Class 35.

Jimenez, Antonio L., Almeria, Spain. Perfumes, colognes, and toilet waters. 510,640, June 7; Serial No. 542,321, published Feb. 22, 1949. Class 6.

Joheur, Inc., Paterson, N. J. Chemicals for treating and preserving flowers and foliage. 510,737, June 7; Serial No. 535,944, published Mar. 1, 1949. Class 6.

Johnson & Johnson: *See*—
Johnson Suture Corporation.
Lee, J. Elwood, Company.
Lister Surgical Company.
Van Horn & Sawtell.

Johnson & Johnson, New Brunswick, N. J. Plasters. 49,280, Jan. 30, 1906. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Surgical dressings. 49,282, Jan. 30, 1906. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Soap. 49,381, Feb. 6, 1906. Republished June 7. Class 4.

Johnson & Johnson, New Brunswick, N. J. Felted absorbent cotton. 52,956, May 22, 1906. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Suspensory bandages. 54,285, June 26, 1906. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Surgical dressings. 56,288, Sept. 4, 1906. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Suspensory bandages. 60,328, Feb. 5, 1907. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Soaps. 86,068, Aug. 27, 1912. Republished June 7. Class 4.

Johnson & Johnson, New Brunswick, N. J. Surgical dressings, adhesive plasters, sputum-cups, etc. 92,678, July 22, 1913. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Surgical dressings, etc. 96,680, Apr. 28, 1914. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Medicinal plasters, digestive tablets, fumigators, and toilet powders. 97,478, June 9, 1914. Republished June 7. Class 6.

Johnson & Johnson, New Brunswick, N. J. First-aid cases. 96,067, June 30, 1914. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Sanitary napkins. 188,120, Aug. 19, 1924. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Bandages for orthopedic use. 196,666, Mar. 24, 1925. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Adhesive plasters. 208,532, Feb. 2, 1926. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Surgical dressings. 211,176, Apr. 6, 1926. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Bandages. 213,891, May 25, 1926. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Surgical dressings. 226,831, Apr. 26, 1927. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Ligatures. 270,970, May 20, 1930. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Surgical dressings. 290,478, Jan. 5, 1932. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Prepared bandaging material. 306,307, Sept. 19, 1933. Republished June 7. Class 44.

Johnson & Johnson, New Brunswick, N. J. Adhesive plaster. 320,112, Dec. 18, 1934. Republished June 7. Class 44.
Johnson & Johnson, New Brunswick, N. J. Adhesive plaster. 380,506, Aug. 20, 1940. Republished June 7. Class 44.
Johnson & Johnson, New Brunswick, N. J. Baby oil. 400,154, Feb. 16, 1943. Republished June 7. Class 6.
Johnson & Johnson, New Brunswick, N. J. Surgical dressings. 406,916, May 9, 1944. Republished June 7. Class 44.
Johnson & Johnson, New Brunswick, N. J. Surgical dressings. 407,177, May 23, 1944. Republished June 7. Class 44.
Johnson & Johnson, New Brunswick, N. J. Ligatures and sutures and needles therefor. 409,616, Oct. 10, 1944. Republished June 7. Class 44.
Johnson & Johnson, New Brunswick, N. J. Fibrous wadding or batting. 417,444, Oct. 30, 1945. Republished June 7. Class 50.
Johnson & Johnson, New Brunswick, N. J. Sanitary napkins. 417,688, Nov. 13, 1945. Republished June 7. Class 44.
Johnson & Johnson, New Brunswick, N. J. Surgical dressings, surgical sponges, and surgical packs. 437,676, Mar. 30, 1948. Republished June 7. Class 44.
Johnson Suture Corporation, Chicago, Ill., by Johnson & Johnson, New Brunswick, N. J. Gut string for rackets. 281,163, Mar. 10, 1931. Republished June 7. Class 22.
Johnson Suture Corporation, Chicago, Ill., by Johnson & Johnson, New Brunswick, N. J. Gut strings for rackets. 282,429, Apr. 21, 1931. Republished June 7. Class 22.
Johnson Suture Corporation, Chicago, Ill., by Johnson & Johnson, New Brunswick, N. J. Gut strings for rackets. 295,617, July 5, 1932. Republished June 7. Class 22.
Johnson Suture Corporation, Chicago, Ill., by Johnson & Johnson, New Brunswick, N. J. Racket strings. 340,345, Nov. 3, 1936. Republished June 7. Class 22.
Joyce-Cridland Co., The, Dayton, Ohio. Lifting mechanisms. 510,586, June 7; Serial No. 536,093, published Feb. 22, 1949. Class 23.
Joyce-Cridland Co., The, Dayton, Ohio. Hydraulic lifting jacks. 510,587, June 7; Serial No. 536,094, published Feb. 15, 1949. Class 23.
KBG Products Company, Narberth, Pa. Household cleaner. 510,767, June 7; Serial No. 563,188, published Mar. 8, 1949. Class 4.
K-D Manufacturing Company, Lancaster, Pa. Hack-saw frames, hack-saw blades, nail pullers, etc. 510,572, June 7; Serial No. 534,894, published Feb. 15, 1949. Class 23.
Kaufmann Department Stores, Inc., Pittsburgh, Pa., by The May Department Stores Company, St. Louis, Mo. Negligee shirts. 250,317, Dec. 4, 1928. Republished June 7. Class 39.
Kay Gases Co., Chicago, Ill. Propane, oxygen, hydrogen, etc. 510,479, June 7; Serial No. 492,925, published Nov. 23, 1948. Class 6.
Kayser, Julius, & Co., New York, N. Y. Women's and children's hosiery. 258,162, renewed June 26, 1940. O. G. June 7. Class 39.
Kearney, Dwight S., doing business as The Color-Craft Co., Buffalo, N. Y. Dye composition. 510,488, June 7; Serial No. 512,781, published Mar. 1, 1949. Class 6.
Kellogg, R. M., Company, Three Rivers, Mich. Flower plants. 510,495, June 7; Serial No. 520,281, published Mar. 1, 1949. Class 1.
Kennel Food Supply Company, Incorporated, The, Fairfield, Conn. Dog food. 510,805, June 7; Serial No. 549,733. Class 46.
Kessler Chemical Co., Inc., Philadelphia, Pa. Monohydric alcohol, polyhydric alcohol and glycol esters. 510,688, June 7; Serial No. 548,000, published Mar. 1, 1949. Class 6.
Key Chemical Company: *See*—
Gibbs, Malcolm G.
Kickbusch, A., Grocery Company, Wausau, Wis. Toilet paper and writing tablets. 262,534, Oct. 15, 1929. Republished June 7. Class 37.
King Plow Company, Atlanta, Ga. Fertilizer distributors, stalk cutter and plows, cotton and corn planters, etc. 352,214, Nov. 23, 1937. Republished June 7. Class 23.
King Plow Company, Atlanta, Ga. Agricultural scrapes. 352,399, Nov. 30, 1937. Republished June 7. Class 23.
Kirkman & Son, Brooklyn, N. Y., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Hand lotion. 258,646, renewed July 9, 1949. O. G. June 7. Class 6.
Kiwi Polish Company Proprietary Limited, The, Richmond, near Melbourne, Australia. Polishing preparations. 294,323, May 24, 1932. Amended. O. G. June 7. Class 4.
Knott, Wm. T., Company, Inc., New York, N. Y., to Mercantile Stores Company, Inc., Wilmington, Del. Sheets, pillow cases, and sheetings. 252,765, renewed Feb. 12, 1949. O. G. June 7. Class 42.
Knox Hat Company, Inc., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Hats and caps. 104,221, May 11, 1915. Republished June 7. Class 39.
Knox Hat Company, Inc., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Hats. 170,820, July 24, 1923. Republished June 7. Class 39.
Knox Hat Company, Inc., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Hats and caps for men. 246,280, Sept. 4, 1928. Republished June 7. Class 39.
Koehring Company, Milwaukee, Wis. Concrete mixing and paving machines. 510,539, June 7; Serial No. 536,518, published Feb. 22, 1949. Class 23.
Kohler & Campbell, Inc., New York, N. Y. Pianos. 510,676, June 7; Serial No. 546,709, published Mar. 8, 1949. Class 36.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Laundry starch. 58,406–7, Dec. 11, 1906. Republished June 7. Class 0.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Coal-tar dyes and vegetable dye extracts for confectioners' use. 59,661, Jan. 8, 1907. Republished June 7. Class 6.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Wheat starch and corn starch. 82,093, May 30, 1911. Republished June 7. Class 46.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Laundry starch. 100,837, Oct. 27, 1914. Republished June 7. Class 0.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Fruit concentrates, essences, essential oils and synthetic flavors for use in flavoring extracts. 100,841, Oct. 27, 1914. Republished June 7. Class 46.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Laundry starch. 100,842, Oct. 27, 1914. Republished June 7. Class 0.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Flavoring extracts for foods. 103,818, Apr. 13, 1915. Republished June 7. Class 46.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Flavoring extracts for foods. 103,856, Apr. 20, 1915. Republished June 7. Class 46.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Flavoring extract for foods. 125,747, June 10, 1919. Republished June 7. Class 46.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Coloring for foods. 126,028, July 22, 1919. Republished June 7. Class 6.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Flavoring extract for foods. 130,780, May 4, 1920. Republished June 7. Class 46.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Cloth covering. 139,337, Feb. 1, 1921. Republished June 7. Class 42.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Paste colors for foods. 144,596, July 12, 1921. Republished June 7. Class 6.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Coal-tar colors. 147,122, Oct. 4, 1921. Republished June 7. Class 6.
Kohnstamm, H., & Co., by H. Kohnstamm & Co., Inc., New York, N. Y. Coal-tar dyes. 147,123, Oct. 4, 1921. Republished June 7. Class 6.
Kohnstamm, H., & Co., assignor to H. Kohnstamm & Co., Inc., by H. Kohnstamm & Co., Inc., New York, N. Y. Washing powder. 167,727, May 8, 1923. Republished June 7. Class 4.
Kohnstamm, H., & Co., Inc.: *See*—
Kohnstamm, H., & Co.
Kohnstamm, H., & Co., Inc., New York, N. Y. Aniline blues. 161,192, Nov. 7, 1922. Republished June 7. Class 6.
Kohnstamm, H., & Co., Inc. New York, N. Y. Laundry and textile sour. 182,917, Apr. 22, 1924. Republished June 7. Class 6.
Kohnstamm, H., & Co., Inc., New York, N. Y. Powdered soap. 196,744, Mar. 24, 1925. Republished June 7. Class 4.
Kohnstamm, H., & Co., Inc. New York, N. Y. Soap. 196,862, Mar. 31, 1925. Republished June 7. Class 4.
Kohnstamm, H., & Co., Inc., New York, N. Y. Soap. 273,198, July 22, 1930. Republished June 7. Class 4.
Kohnstamm, H., & Co., Inc., New York, N. Y. Wax compound. 276,001, Oct. 7, 1930. Republished June 7. Class 6.
Kohnstamm, H., & Co., Inc., New York, N. Y. Colors in the form of powder and pulp used in the manufacture of inks. 354,375, Feb. 8, 1938. Republished June 7. Class 11.
Kohnstamm, H., & Co., Inc., New York, N. Y. Colors in the form of powder and pulp. 354,530, Feb. 15, 1938. Republished June 7. Class 6.
Kohnstamm, H., & Co., Inc., New York, N. Y. Pigment colors and lake colors. 361,935, Nov. 8, 1938. Republished June 7. Class 6.
Kohnstamm, H., & Co., Inc., New York, N. Y. Coal-tar dyes. 379,299, July 9, 1940. Republished June 7. Class 6.
Kohnstamm, H., & Co., Inc., New York, N. Y. Coal-tar colors. 379,300, July 9, 1940. Republished June 7. Class 6.
Kohnstamm, H., & Co., Inc., New York, N. Y. Coal-tar dyes. 380,822, Aug. 20, 1940. Republished June 7. Class 6.
Kohnstamm, H., & Co., Inc., New York, N. Y. Washing compound. 395,910, June 16, 1942. Republished June 7. Class 4.
Kohnstamm, H., & Co., Inc., New York, N. Y. Water softener and laundry break compound. 414,150, May 29, 1945. Republished June 7. Class 6.

Kohnstamm, H., & Co., Inc., New York, N. Y. Liquid bleach. 416,711, Aug. 14, 1945. Republished June 7. Class 6.
Kohnstamm, H., & Co., Inc., New York, N. Y. Bluing. 417,104, Oct. 16, 1945. Republished June 7. Class 6.
Kohnstamm, H., & Co., Inc., New York, N. Y. Colors in the form of powder and pulp, etc. 422,362, July 10, 1946. Republished June 7. Class 6.
Kohnstamm, H., & Co., Inc., New York, N. Y. Heat resistant cover cloth. 437,335, Mar. 16, 1948. Republished June 7. Class 42.
Krause, J. Marvin, trustee: *See*—
Victory Engineering & Machine Works, Inc.
Lahusen & Cia. Ltda., Buenos Aires, Argentina. Carpet wools. 510,558, June 7; Serial No. 532,664, published Mar. 1, 1949. Class 1.
Lake Cove Growers, Inc., Finley, Calif. Fresh deciduous fruits. 434,596, Nov. 25, 1947. Republished June 7. Class 46.
Lake Cove Growers, Inc., Finley, Calif. Fresh deciduous fruits. 439,688, July 13, 1948. Republished June 7. Class 46.
Lakeland Mfg. Co.: *See*—
Holman, H. J., & Sons Inc.
Lane, Dorothy, doing business as Concord Recordings, Chicago, Ill. Mechanically grooved musical recordings. 510,592, June 7; Serial No. 536,621, published Feb. 22, 1949. Class 36.
La-Ray Cosmetics, Inc., Newark, N. J. Face powder, rouge, skin ointment, etc. 313,817, June 12, 1934. Republished June 7. Class 6.
Lau, H. P., Co., Lincoln, Nebr. Canned fruits, vegetables, applesauce, etc. 510,551, June 7; Serial No. 532,130, published Mar. 1, 1949. Class 46.
Lee, J. Ellwood, Company, Conshohocken, Pa., by Johnson & Johnson, New Brunswick, N. J. Medicinal and adhesive plasters. 66,523, Oct. 2, 1900. Republished June 7. Class 44.
Lee County Packing Company, Fort Myers, Fla. Fresh citrous fruits. 176,253, Nov. 20, 1923. Republished June 7. Class 46.
Lee County Packing Company, Fort Myers, Fla. Fresh oranges, lemons, grapefruit, etc. 358,750, July 26, 1938. Republished June 7. Class 46.
Lee County Packing Company, Fort Myers, Fla. Fresh oranges, lemons, grapefruit, etc. 367,367, May 16, 1939. Republished June 7. Class 46.
Lee County Packing Company, Fort Myers, Fla. Fresh oranges, lemons, grapefruit, etc. 372,060, Oct. 24, 1939. Republished June 7. Class 46.
Lehn & Fink Products Corporation, Bloomfield, N. J. Cleansing cream and toilet water. 439,913, July 27, 1948. Republished June 7. Class 6.
Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 510,751, June 7; Serial No. 558,899, published Mar. 1, 1949. Class 4.
Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 510,752, June 7; Serial No. 558,902, published Mar. 1, 1949. Class 4.
Le Tourneau, R. G., Inc., Stockton, Calif., and Peoria, Ill. Earth working, construction, and industrial equipment. 510,584, June 7; Serial No. 535,972, published Jan. 25, 1949. Class 23.
Lewis, I., Cigar Manufacturing Company, Newark, N. J. Cigars. 510,646, June 7; Serial No. 543,490, published Mar. 1, 1949. Class 17.
Lewis, Miles C. T., doing business as Select Shaker Co., Berkeley, Calif. Combination salt and pepper shakers. 510,787, June 7; Serial No. 520,634. Class 2.
Liberty Products Mfg. Co., Inc.: *See*—
Climax Industries, Inc.
Lincoln Industrial Chemical) Co. Inc., The, Lincoln Park, Pa. Liquid soap. 510,754, June 7; Serial No. 559,234, published Feb. 15, 1949. Class 4.
Lincoln Industrial Chemical Co, Inc. The, doing business as The Lincoln Industrial Insecticide Co., Lincoln Park, Pa. Liquid soap. 510,755, June 7; Serial No. 559,235, published Feb. 15, 1949. Class 4.
Lincoln Industrial Insecticide Co., The: *See*—
Lincoln Industrial Chemical Co. Inc., The.
Link-Belt Company: *See*—
Howe Chain Company.
Link-Belt Company, Chicago, Ill. Sprocket wheels. 204,153, Oct. 6, 1925. Republished June 7. Class 28.
Link-Belt Company, Chicago, Ill. Chains. 220,199, Nov. 2, 1926. Republished June 7. Class 13.
Link-Belt Company, Chicago, Ill. Chains. 220,207, Nov. 2, 1926. Republished June 7. Class 13.
Link-Belt Company, Chicago, Ill. Take-ups, screw take-ups, and parts thereof. 280,761, Feb. 24, 1931. Republished June 7. Class 23.
Link-Belt Company, Chicago, Ill. Combined electric motor and hydraulic coupling drives. 426,624, Jan. 7, 1947. Republished June 7. Class 21.
Lipman Bros., by Lipman Bros. Dress Co. Inc., New York, N. Y. Ladies' dresses and suits. 371,098, Oct. 17, 1939. Republished June 7. Class 39.
Lipman Bros. Dress Co. Inc.: *See*—
Lipman Bros.
Lister Surgical Company, by Johnson & Johnson, New Brunswick, N. J. Absorbent cotton, gauze. 70,693, Sept. 22, 1908. Republished June 7. Class 44.
Lubald Company: *See*—
Sauerborn, Leo J.
Lyman-Ross Co.: *See*—
Patterson, Alexander R.
Lyon, Incorporated, Detroit, Mich. Cleaning fluid. 442,859, June 7; Serial No. 523,400, published Feb. 22, 1949. Class 4.
M. V. C. Laboratories, Inc., Toledo, Ohio. Nail polish drier. 419,403, Feb. 19, 1946. Republished June 7. Class 6.
Macy, R. H., & Co., Inc.: *See*—
Bamberger, L., & Co.
Malden Form Brassiere Co.: *See*—
Enid Mfg. Co.
Mallinckrodt Chemical Works, St. Louis, Mo. Acetamide, acetic anhydride, acetone, etc. 510,512, June 7; Serial No. 526,919, published Mar. 1, 1949. Class 6.
Marathon Corporation: *See*—
Menasha Products Company, The.
Marcalus Manufacturing Co., Inc., Elizabeth, N. J. Drinking straws. 373,031, Nov. 21, 1939. Republished June 7. Class 50.
Maril, Louis A.: *See*—
Van Name, Livingston C.
Marra, Mario C., doing business as Jean Charles, Jackson Heights, N. Y. Perfume and toilet water. 442,856, June 7; Serial No. 509,155, published Mar. 8, 1949. Class 6.
Marshall Field & Company, by McCoy, Jones & Company, Inc., Chicago, Ill. Common pins, shoe laces, crochet hooks, etc. 201,417, July 28, 1925. Republished June 7. Class 40.
Master Builders Company, The, Cleveland, Ohio. Material to be used as an ingredient in concrete. 258,095–6, renewed July 16, 1949. O. G. June 7. Class 12.
Master Builders Company, The, Cleveland, Ohio. Material to be applied to the surface of masonry. 260,656, renewed Aug. 27, 1949. O. G. June 7. Class 12.
Matthews, W. N., Corporation, St. Louis, Mo. Quick-release portable wire slack pullers, portable, adjustable reel machines, lamp changers, etc. 510,517, June 7; Serial No. 527,130, published Jan. 18, 1949. Class 23.
Maxim Chemical Company, Inc., New York, N. Y. Chemicals; medicines, and pharmaceutical preparations. 510,658, June 7; Serial No. 544,890, published Mar. 1, 1949. Class 6.
May Department Stores Company, The: *See*—
Kaufmann Department Stores, Inc.
McCoy, Jones & Company, Inc.: *See*—
Marshall Field & Company.
McCullough, J. Chas., Seed Company, The, Cincinnati, Ohio. Wild bird seed. 442,853, June 7; Serial No. 510,077, published Mar. 1, 1949. Class 46.
McGinty Cigar Company: *See*—
McGinty, Joseph B.
McGinty, Joseph B., doing business as McGinty Cigar Company, Minneapolis, Minn. Cigars. 510,484, June 7; Serial No. 507,647, published Feb. 8, 1949. Class 17.
McGraw-Hill Publishing Company, Inc., New York, N. Y. House organ. 510,724, June 7; Serial No. 552,997, published Feb. 8, 1949. Class 38.
McKay Maxim Company, West Allis, Wis. Liquid injection for treatment of strain and sprains to muscles, tendons, and ligaments in horses, ointment, and liniment. 510,742, June 7; Serial No. 557,295, published Mar. 8, 1949. Class 6.
Menasha Products Company, The, Chicago, Ill., to Marathon Corporation, Rothschild, Wis. Paper napkins. 256,786, renewed May 21, 1949. O. G. June 7. Class 37.
Menasha Products Company, The, Chicago, Ill., to Marathon Corporation, Rothschild, Wis. Paper napkins. 257,864, renewed June 4, 1949. O. G. June 7. Class 37.
Menasha Products Company, The, Chicago, Ill., to Marathon Corporation, Rothschild, Wis. Wrapping paper, shelving paper, wrapping tissue, etc. 258,776, renewed July 16, 1949. O. G. June 7. Class 37.
Menkhaus, B. J., assignee: *See*—
Victory Engineering & Machine Works, Inc.
Mercantile Stores Company, Inc.: *See*—
Knott, Wm. T. Company, Inc.
Mexico Refractories Company, Mexico, Mo. Crushed fire brick aggregate. 510,635, June 7; Serial No. 541,858, published Feb. 8, 1949. Class 12.
Mexico Refractories Company, Mexico, Mo. Refractory coating material. 510,636, June 7; Serial No. 542,086, published Feb. 8, 1949. Class 12.
Meyer, Geo. J., Manufacturing Co., Cudahy, Wis. Vacuum type liquid deserator and beverage mixer. 412,519, Mar. 13, 1945. Republished June 7. Class 28.
Michael, David, and Company, Incorporated, Philadelphia, Pa. Artificial vanilla flavor. 510,648, June 7; Serial No. 543,954, published Feb. 22, 1949. Class 46.
Michigan Chemical Corporation, St. Louis, Mich. Chemicals for pest control. 442,835, June 7; Serial No. 502,911, published Feb. 22, 1949. Class 6.
Middleby, Jos., Jr., Inc., Boston, Mass. Pie fillings. 85,463, Feb. 20, 1012. Republished June 7. Class 46.
Miller, Doris, Inc., New York, N. Y. Children's and young ladies' underwear. 431,521, July 22, 1947. Canceled. O. G. June 7. Class 39.
Miller, J. C., Company, Grand Rapids, Mich. Cloth buffing wheels. 510,726, June 7; Serial No. 563,302, published Mar. 1, 1949. Class 4.

Mills, Barbet, Incorporated, Gastonia, N. C. Knitted fabrics. 502,971, Oct. 12, 1948. Canceled. O. G. June 7. Class 42.

Minneapolis-Moline Company: *See*—
Minneapolis-Moline Power Implement Company.

Minneapolis-Moline Power Implement Company, Minneapolis, assignor to Minneapolis-Moline Company, Hopkins, Minn. Agricultural implements. 510,525, June 7; Serial No. 528,359, published Feb. 22, 1949. Class 23.

Minty: *See*—
Palmers, Limited.

Modern Melodies, Inc., Chicago, Ill. Mechanically grooved phonograph records. 510,578, June 7; Serial No. 534,911, published Feb. 22, 1949. Class 36.

Moera Mill Inc., Nashville, Tenn. Anklets or bobby socks and men's, women's, and children's hosiery. 510,773, June 7; Serial No. 484,577. Class 39.

Molinard: *See*—
Benard & Honnorat.

Monet, Henri: *See*—
Hieber, William S.

Monsanto Chemical Company, St. Louis, Mo. Functional chemical fluids. 510,769, June 7; Serial No. 568,111, published Mar. 8, 1949. Class 6.

Mor-Pac Preserving Corporation, San Francisco, Calif. Canned fruit and vegetables. 403,996, Oct. 26, 1943. Republished June 7. Class 46.

Morrell, John, & Co.: *See*—
Morrell, John, & Company Limited.

Morrell, John, & Co., Ottumwa, Iowa. Canned pork product. 439,173, June 8, 1948. Republished June 7. Class 46.

Morrell, John, & Company Limited, Liverpool, England, and Ottumwa, Iowa, to John Morrell & Co., Ottumwa, Iowa. Sliced beef, summer-sausage, sliced cooked ham, etc. 74,557, re-renewed July 20, 1949. O. G. June 7. Class 46.

Morris, Philip, & Co. Ltd.: *See*—
Axton Fisher Tobacco Co., The.

Mueller Chemical Works: *See*—
Mueller, Kenneth L.

Mueller, Kenneth L., doing business as Mueller Chemical Works, Kasota, Minn. Sodium hypochlorite solution. 510,674, June 7; Serial No. 546,508, published Mar. 1, 1949. Class 6.

Munsingwear Corporation, The, Munsingwear, Inc., Minneapolis, Minn. Hosiery and underwear. 147,873, Oct. 11, 1921. Republished June 7. Class 39.

Munsingwear Corporation, The, by Munsingwear, Inc., Minneapolis, Minn. Women's and misses' underwear. 296,165, July 26, 1932. Republished June 7. Class 39.

Munsingwear, Inc.: *See*—
Munsingwear Corporation, The.

Munsingwear, Inc., Minneapolis, Minn. Girdles, foundation garments, bandeaux, and brassières. 355,220, Mar. 6, 1928. Republished June 7. Class 39.

Munsingwear, Inc., Minneapolis, Minn. Men's underwear. 377,217, Apr. 23, 1940. Republished June 7. Class 39.

Munsingwear, Inc., Minneapolis, Minn. Men's and boys' underwear and outer shirts. 418,553, Jan. 1, 1946. Republished June 7. Class 39.

Munsingwear, Inc., Minneapolis, Minn. Women's pajamas. 430,648, June 17, 1947. Republished June 7. Class 39.

Munsingwear, Inc., Minneapolis, Minn. Women's nightgowns. 431,480–1, July 22, 1947. Republished June 7. Class 39.

Munsingwear, Inc., Minneapolis, Minn. Women's and girls' panties. 433,438, Oct. 14, 1947. Republished June 7. Class 39.

Munsingwear, Inc., Minneapolis, Minn. Women's sleeping gowns and sleeping pajamas. 437,204, Mar. 9, 1948. Republished June 7. Class 39.

Murphy, John R.: *See*—
Shreveport Syrup Company, Inc.

Murphy Laboratories, Inc., Clifton Heights, Pa. Disinfectant. 510,701, June 7; Serial No. 549,828, published Mar. 1, 1949. Class 6.

Murphy, P. S., & Co., Inc., New York, N. Y. File sticks. 510,799, June 7; Serial No. 542,330. Class 44.

Nacon, E. N., & Co., San Francisco, Calif. Bulletin color paints and exterior house paints. 510,677, June 7; Serial No. 546,361, published Jan. 11, 1949. Class 16.

National Broadcasting Company, Inc., New York, N. Y. Mechanically grooved sound records. 510,630, June 7; Serial No. 541,822, published Mar. 8, 1949. Class 36.

National Canine Products, Inc., New York and Brooklyn, N. Y. Foods for animals of the dog family. 442,883, June 7; Serial No. 525,233, published Feb. 22, 1949. Class 46.

National Carbon Company, Inc., New York, N. Y. Brushes for use in electrical apparatus and electrical machines, granular carbon for use in telephone transmitters, etc. 442,867, June 7; Serial No. 525,925, published Feb. 24, 1948. Class 21.

National Cylinder Gas Company, Chicago, Ill. Compressed gases. 510,670, June 7; Serial No. 546,122, published Mar. 1, 1949. Class 6.

National Cylinder Gas Company, Chicago, Ill. Chemical fluxes and compressed gases. 510,721, June 7; Serial No. 552,477, published Mar. 1, 1949. Class 6.

National Cylinder Gas Company, Chicago, Ill. Chemical fluxes and compressed gases. 510,722, June 7; Serial No. 552,485, published Mar. 1, 1949. Class 6.

National Lead Company: *See*—
Collings, William A.

National Lime & Stone Company, The, Findlay, Ohio. Agricultural lime. 262,656, Oct. 22, 1929. Republished June 7. Class 10.

National Lime & Stone Company, The, Findlay, Ohio. Fluxing lime. 263,088, Oct. 29, 1929. Republished June 7. Class 0.

National Lime & Stone Company, The, Findlay, Ohio. Finishing lime, powdered lime, mason's lime, etc. 275,617–18, Sept. 23, 1930. Republished June 7. Class 12.

National Lime & Stone Company, The, Findlay, Ohio. Product for neutralizing an acid ingredient. 401,872, May 11, 1943. Republished June 7. Class 6.

National Southern Products Corporation, New York, N. Y. Ester of tall oil. 510,694, June 7; Serial No. 548,666, published Mar. 1, 1949. Class 6.

National Tea Co., Chicago, Ill. Butter and eggs. 510,537, June 7; Serial No. 530,238, published Mar. 1, 1949. Class 46.

National Twist Drill & Tool Company, Rochester, Mich. Milling cutters. 510,575, June 7; Serial No. 535,255, published Feb. 15, 1949. Class 23.

National Union Radio Corporation, Newark, N. J. Electrical components. 442,854, June 7; Serial No. 520,768, published Mar. 1, 1949. Class 21.

Neuro Chemical Company: *See*—
VanName, Livingston C.

Newport Manufacturing Company, Carrollville, Wis., to E. I. du Pont de Nemours and Company, Wilmington, Del. Photographic chemicals, dyestuffs, and hexahydrophenol. 258,538, renewed July 9, 1949. O. G. June 7. Class 6.

Noma Electric Corporation, New York, N. Y. Decorative lighting fixtures. 254,013, renewed Mar. 12, 1949. O. G. June 7. Class 21.

Nordberg Manufacturing Company, Milwaukee, Wis. Machines for cleaning track ballast. 431,629, July 29, 1947. Republished June 7. Class 23.

Oconomowoc Canning Company, Oconomowoc, Wis. Canned vegetables. 249,772, Nov. 20, 1928. Republished June 7. Class 46.

Okonite-Callender Cable Company, Incorporated, The, Paterson, N. J. Impregnating or filling compounds. 510,536, June 7; Serial No. 530,116, published Feb. 22, 1949. Class 21.

Oliver Corporation, The: *See*—
General Tractor Company, The.

Oneida Ltd.: *See*—
Rogers, Wm. A., Limited.

Onyx Oil & Chemical Company, Jersey City, N. J. Wetting and emulsifying agent and penetrant. 434,050, Nov. 4, 1947. Republished June 7. Class 6.

Orefraction Incorporated, Pittsburgh, Pa. Ceramic grinding bodies and ceramic abrasive bodies. 442,862, June 7; Serial No. 525,022, published Feb. 22, 1949. Class 23.

Oxford Paper Company, New York, N. Y. Printing paper. 254,870, renewed Apr. 2, 1949. O. G. June 7. Class 37.

P. M. Products, Inc.: *See*—
Cornel Drug Stores, Inc.

Pacific Chemical Company, by American-Marietta Company, Los Angeles, Calif. Insecticides, deodorants, disinfectants, etc. 438,818, May 11, 1948. Republished June 7. Class 6.

Palazzolo, Andrew, doing business as Andre-Lee, New York, N. Y. Perfumery. 442,828, June 7; Serial No. 493,392, published Mar. 1, 1949. Class 6.

Palmers, Limited, doing business as Minty, Montreal, Quebec, Canada, by Consolidated Cosmetics, Chicago, Ill. Bleach creams, beauty creams, cold creams, etc. 160,264, Oct. 17, 1922. Republished June 7. Class 6.

Pappas, Clement, & Co., Cedarville, N. J. Canned vegetables, canned berries and jams. 510,547, June 7; Serial No. 531,358, published Jan. 11, 1949. Class 46.

Paramount Pest Control Service, Oakland, Calif. Ant syrup, insect powder, moth spray, etc. 442,834, June 7; Serial No. 501,925, published Feb. 22, 1949. Class 6.

Parker Pen Company, The, Janesville, Wis. Writing ink. 510,520, June 7; Serial No. 527,344, published Feb. 22, 1949. Class 11.

Parks, T. M.: *See*—
Small, L. K., Company.

Pass & Seymour, Inc.: *See*—
Pass & Seymour, Incorporated.

Pass & Seymour, Incorporated, Solvay, to Pass & Seymour, Inc., Syracuse, N. Y. Sockets, receptacles, plugs, and shade holders, etc. 72,721, re-renewed Feb. 16, 1949. O. G. June 7. Class 21.

Pastene & Co., Inc., New York, N. Y. Medicinal bitters having a laxative preparation. 510,731, June 7; Serial No. 554,405, published Mar. 1, 1949. Class 6.

Pate Oil Company, Milwaukee, Wis. Gasoline. 510,579, June 7; Serial No. 535,606, published Feb. 22, 1949. Class 15.

Patterson, Alexander R., doing business as Lyman-Ross Co., Seattle, Wash. Washing powder. 510,490, June 7; Serial No. 514,964, published Feb. 22, 1949. Class 4.

Peabody Coal Company, Chicago, Ill. Coal. 510,500, June 7; Serial No. 524,147, published Mar. 1, 1949. Class 1.

Peacock, H. J., Canning Co.: *See*—
Seacoast Canning Co.

Pearson Remedy Co., by Pearson Remedy Company, Inc., Burlington, N. C. Medicinal compound. 218,291, Sept. 21, 1926. Republished June 7. Class 6.

Pearson Remedy Company, Inc.: *See*—
Pearson Remedy Co.

Peerless Products Company, Jersey City, N. J. Combs. 510,775, June 7; Serial No. 500,568. Class 40.

Penick & Ford, Limited, Shreveport and New Orleans, La., to Penick & Ford, Ltd., Incorporated, New York, N. Y. Syrup. 75,132, re-renewed Sept. 7, 1940. O. G. June 7. Class 46.

Penick & Ford, Ltd., Incorporated: *See*—
Cargill, Walter H.
Penick & Ford, Limited.

Pennsylvania Flexible Metallic Tubing Co., Philadelphia, Pa. Barrel fillers. 94,664, Dec. 23, 1913. Republished June 7. Class 23.

Pepperell Manufacturing Company, Boston, Mass. Sheets, pillowcases, and blankets. 510,672, June 7; Serial No. 546,237, published Mar. 1, 1949. Class 42.

Perfex Co., The, Shenandoah, Iowa. Dry cleaning preparation. 510,669, June 7; Serial No. 546,025, published Mar. 1, 1949. Class 4.

Perkins, Dan, Company, Memphis, Tenn. Binder for sausage and sausage meats. 510,777, June 7; Serial No. 503,662. Class 46.

Perkins, Dan, Company, Memphis, Tenn. Binder for sausage and sausage meats. 510,778, June 7; Serial No. 503,667. Class 46.

Perkins, Dan, Company, Memphis, Tenn. Mixtures of spices. 510,779, June 7; Serial No. 503,668. Class 46.

Personal Products Corporation: *See*—
Chicopee Manufacturing Corporation.

Petit Jean Springs Company: *See*—
Hardison, T. W.

Philadelphia Quartz Company, Philadelphia, Pa. Sodium silicate. 125,499, May 20, 1919. Republished June 7. Class 6.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 350,513, Sept. 28, 1937. Republished June 7. Class 6.

Phillips Manufacturing Company, Chicago, Ill. Power spray washers for metal cleaning. 442,841, June 7; Serial No. 506,195, published Feb. 8, 1949. Class 23.

Phoenix Pharmacal Company: *See*—
Salazar, Lucila.

Photo-Produits Gevaert: *See*—
Gevaert Photo Producten.
Gevaert Photo Producten N. V.

Pilgrim Curtain Co., Inc., New York, N. Y. Window curtains. 510,793, June 7; Serial No. 531,944. Class 42.

Pillsbury Flour Mills Company, to Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 254,822, renewed Apr. 2, 1949. O. G. June 7. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company.

Pinguely Chemical & Drug Co.: *See*—
Pinguely, Douglas B.

Pinguely, Douglas B., doing business as Pinguely Chemical & Drug Co., Erie, Pa. Healing salve. 510,807, June 7; Serial No. 551,819. Class 6.

Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Coal. 510,502, June 7; Serial No. 526,576, published Mar. 1, 1949. Class 1.

Plant Flour Mills Company, St. Louis, Mo., by Dixie-Portland Flour Co., Memphis, Tenn. Wheat flour, prepared wheat flour, corn meal, etc. 242,470, May 22, 1928. Republished June 7. Class 46.

Platt Luggage, Inc., Chicago, Ill. Men's hand luggage and women's hand luggage. 510,818, June 7; Serial No. 564,524. Class 3.

Polar Water Company: *See*—
Water Delivery Company.

Pollack, Augustus, Incorporated, Wheeling, W. Va. Stogies. 510,644, June 7; Serial No. 542,879, published Mar. 1, 1949. Class 17.

Pollack, Augustus, Incorporated, Wheeling, W. Va. Stogies. 510,663, June 7; Serial No. 545,391, published Mar. 1, 1949. Class 17.

Porcelain Tile Company, Chicago, Ill., by Clyde Porcelain Steel Corporation, Clyde, Ohio. Tiles and foundation sheets. 246,871, Sept. 18, 1928. Republished June 7. Class 12.

Porcelain Tile Company, Chicago, Ill., by Clyde Porcelain Steel Corporation, Clyde, Ohio. Wall and floor tiles and foundation sheets for tiles. 283,220, May 19, 1931. Republished June 7. Class 12.

Portland Plastics Limited, London, England. Synthetic resin plastics. 442,850, June 7; Serial No. 516,917, published Mar. 1, 1949. Class 1.

Practical Products Company, Minneapolis, Minn. Liquid solvent and cleaner. 442,843, June 7; Serial No. 516,376, published Mar. 6, 1949. Class 4.

Premier Oil Refining Company of Texas, Longview, Tex. Lubricating oils. 510,613, June 7; Serial No. 539,347, published Feb. 22, 1949. Class 15.

Press Comb Co.: *See*—
Schoenwald, Irving.

Presto Mange Remedy Company: *See*—
Bradford, Elva H.

Procter & Gamble Company, The, Cincinnati, Ohio. Shampoo. 439,806, July 27, 1948. Republished June 7. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Cake make-up and creme-pak face powder. 510,402, June 7; Serial No. 516,918, published Mar. 1, 1949. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing detergent in paste form. 510,540, June 7; Serial No. 530,563, published Feb. 22, 1949. Class 4.

Products Research Co., Los Angeles, Calif. Materials for the manufacturing of gasketing. 510,735, June 7; Serial No. 535,014, published Mar. 1, 1949. Class 35.

Pruett-Schaffer Chemical Company, The, Pittsburgh, Pa. Ready-mixed paints, dry colors, asphalt paint, paint-oil, etc. 135,778, Oct. 19, 1920. Republished June 7. Class 16.

Pure Oil Company, The, Chicago, Ill. Lubricating oils and greases. 510,521, June 7; Serial No. 527,353, published Jan. 18, 1949. Class 15.

Puritan Company, Incorporated, Rochester, N. Y. Brake fluid. 506,660, Feb. 15, 1940. Corrected. O. G. June 7. Class 6.

Quaker Chemical Products Corporation: *See*—
Quaker Oil Products Corporation.

Quaker Oats Company, The, Chicago, Ill. Prepared baby food. 510,541, June 7; Serial No. 530,681, published Feb. 22, 1949. Class 46.

Quaker Oil Products Corporation, to Quaker Chemical Products Corporation, Conshohocken, Pa. Lubricating greases. 260,144, renewed Aug. 20, 1949. O. G. June 7. Class 15.

Quaker Petroleum Company, also doing business as The Quaker Petroleum Co. Inc., Omaha, Nebr. Lubricating oils. 510,526, June 7; Serial No. 528,500, published Jan. 18, 1949. Class 15.

Quaker Petroleum Co. Inc., The: *See*—
Quaker Petroleum Company.

Quaker Rubber Corporation, Philadelphia, Pa. Hose and flange and joint sheet packing. 510,732, June 7; Serial No. 554,604, published Feb. 22, 1949. Class 35.

Quik-Seal, Inc., Kansas City, Mo. Sealing machines. 510,528, June 7; Serial No. 528,517, published Feb. 22, 1949. Class 23.

Quinn, William R., Houston, Tex. Grooved musical recordings. 442,844, June 7; Serial No. 512,705, published Feb. 22, 1949. Class 36.

Raxor Corporation, New York, N. Y. Mechanically grooved phonograph records and phonograph record albums. 510,656, June 7; Serial No. 544,765, published Feb. 22, 1949. Class 36.

Red Jacket Manufacturing Co., Davenport, Iowa. Well-pumps, well-pump pipes, well-pump-pipe couplings, and cylinders for well-pumps. 90,838, Mar. 25, 1913. Republished June 7. Class 23.

Red Jacket Manufacturing Co., Davenport, Iowa. Water systems, pumps, etc. 370,044, Aug. 15, 1939. Republished June 7. Classes 23 and 31.

Red Jacket Manufacturing Co., Davenport, Iowa. Pumps. 379,364, July 9, 1940. Republished June 7. Class 23.

Red Jacket Manufacturing Co., Davenport, Iowa. Water systems, pumps, water well accessories, etc. 389,854, Aug. 26, 1941. Republished June 7. Class 23.

Redlands Foothill Groves, Redlands, Calif. Fresh citrus fruits. 348,517, July 27, 1937. Republished June 7. Class 46.

Redlands Foothill Groves, Redlands, Calif. Fresh citrus fruits. 417,848, Nov. 20, 1945. Republished June 7. Class 46.

Reflex Spark Plug Company, The, Cleveland, Ohio. Spark plugs. 442,842, June 7; Serial No. 507,937, published Feb. 22, 1949. Class 21.

Reimers Electric Appliance Company, Inc., West New York, N. J. Electric pressing irons, electric steam irons, electric heating elements or reoils, etc. 510,685, June 7; Serial No. 542,160, published Mar. 1, 1949. Class 21.

Reinsberg, Ad., to Commercial Hat and Cap Company, Chicago, Ill. Rainhats. 429,855, May 20, 1947. New certificate. O. G. June 7. Class 39.

Reliance Gauge Column Company, The, Cleveland, Ohio. Filling-liquids for liquid level gauge instruments. 510,534, June 7; Serial No. 529,607, published Feb. 22, 1949. Class 6.

Respondek, John E., doing business as Fisher Company, Detroit, Mich. Liquid anti-acid preparation. 510,477, June 7; Serial No. 474,510, published Mar. 1, 1949. Class 6.

Revlon Products Corporation, New York, N. Y. Lipsticks. 510,783, June 7; Serial No. 516,310. Class 6.

Rhoads, J. E., & Sons, Philadelphia, Pa. Flat leather belting. 510,597, June 7; Serial No. 537,241, published Mar. 1, 1949. Class 35.

Rhodes Pharmacal Co., Inc., Cleveland, Ohio. Preparation containing manganese salicylate, aspirin, caffeine, etc. 510,695, June 7; Serial No. 548,846, published Mar. 8, 1949. Class 6.

Rice, A. H., Co., Pittsfield, Mass. Thread. 268,143, renewed June 28, 1949. O. G. June 7. Class 43.

Richmond Belting Company: *See*—
Jerry, Bernard L.

Rite Tool, Inc., Fall River, Mass. Hand actuated tools. 510,486, June 7; Serial No. 509,471, published Feb. 22, 1949. Class 23.

Riverbank Wine Co.: *See*—
Salomone, Salvatore A.

Riverbank Wine Company: *See*—
Salomone, Salvatore A.

Roberts, Johnson, & Rand Shoe Company, to International Shoe Co., St. Louis, Mo. Leather boots and shoes. 73,664, re-renewed May 11, 1949. O. G. June 7. Class 39.

Robertson Paper Box Company, Inc., Montville, Conn. Folding paper boxes. 510,600, June 7; Serial No. 537,364, published Mar. 8, 1949. Class 2.

Robeson Process Company, New York, N. Y. Chemical compound. 510,744, June 7; Serial No. 557,389, published Mar. 1, 1949. Class 6.

Roddenbery Brothers: *See*—
Roddenbery Bros.

Roddenbery Bros., by W. B. Roddenbery Company, Inc., doing business as Roddenbery Brothers, Cairo, Ga. Pure Georgia cane syrup. 150,496, Sept. 26, 1922. Republished June 7. Class 46.

Roddenbery Brothers, by W. B. Roddenbery Company, Inc., doing business as Roddenbery Brothers, Cairo, Ga. Table syrup. 197,035, Apr. 7, 1925. Republished June 7. Class 46.

Roddenbery, W. B., Company, Inc.: *See*—
Roddenbery Bros.

Rogers, Wm., A., Limited, Toronto, Ontario, Canada, and Niagara Falls, N. Y., to Oneida Ltd., Oneida & Sherrill, N. Y. Metal-polish. 73,579, re-renewed May 4, 1949. O. G. June 7. Class 4.

Rogers, Wm., A., Limited, Toronto, Ontario, Canada, and Niagara Falls, N. Y., to Oneida Ltd., Oneida & Sherrill, N. Y. Polish for gold, silver, plated-ware, etc. 253,173, renewed Feb. 19, 1949. O. G. June 7. Class 4.

Rohm & Haas Company, Philadelphia, Pa. Resin suspensions or dispersions. 510,723, June 7; Serial No. 552,803, published Feb. 22, 1949. Class 6.

Rokeach, I., & Sons, Inc., Brooklyn, N. Y. Fruit preserves, vegetable fat, salad oil, etc. 254,045, renewed Mar. 12, 1949. O. G. June 7. Class 46.

Ruberoid Co., The, New York, N. Y., and Bound Brook, N. J. Asphalt composition roofing shingles. 510,687, June 7; Serial No. 547,776, published Feb. 8, 1949. Class 12.

Ruble Blade Corporation, New York, N. Y., to Colton Razor Blade Company, Boston, Mass. Razor blades. 254,440, renewed Mar. 26, 1949. O. G. June 7. Class 23.

Ruskin Vegetable Distributors, Ruskin, Fla. Fresh vegetables. 510,493, June 7; Serial No. 517,200, published Feb. 22, 1949. Class 46.

Ruth, Paul A., doing business as Paul A. Ruth Company, Tolleson, Ariz. Fresh vegetables. 510,631, June 7; Serial No. 541,468, published Feb. 22, 1949. Class 46.

Ruth, Paul A., Company: *See*—
Ruth, Paul A.

S. & F. Company, Hartford, Conn. Bags made of cloth and wire. 510,580, June 7; Serial No. 535,832, published Feb. 22, 1949. Class 2.

S-M-S Corporation, Detroit, Mich. Trade catalog. 510,681, June 7; Serial No. 547,153, published Feb. 15, 1949. Class 38.

Salazar, Lucila, Los Angeles, Calif., assignee of V. R. Canales, doing business as Phoenix Pharmacal Company. Preparation for the treatment of dandruff. 510,784, June 7; Serial No. 516,888. Class 6.

Salomone, Salvatore A., doing business as Riverbank Wine Co., by Riverbank Wine Company, Brooklyn, N. Y. Wines. 392,750, Jan. 13, 1942. Republished June 7. Class 47.

Sandwick-Bowen Corporation, Bethesda, Md. Electric phonographs. 510,497, June 7; Serial No. 523,029, published Mar. 1, 1949. Class 21.

Sanger Citrus Association, Sanger, Calif. Fresh citrus fruits. 510,395, June 7; Serial No. 536,956, published Mar. 1, 1949. Class 46.

San Pat Vegetable Company, Sinton, Tex. Fresh vegetables. 370,272, Aug. 22, 1939. Republished June 7. Class 46.

Sauerborn, Leo J., doing business as Lubaid Company, Milwaukee, Wis. Carbon binder solvent, sludge solvent, etc. 510,622, June 7; Serial No. 540,450, published Oct. 5, 1948. Class 6.

Schnefel Bros. Corporation, Newark, N. J. Cosmetic items. 510,740, June 7; Serial No. 556,990, published Feb. 22, 1949. Class 6.

Schoenwald, Irving, doing business as Press Comb Co., Kansas City, Mo. Hair straightening combs. 510,776, June 7; Serial No. 501,946. Class 40.

Scholl Mfg. Co., Inc., The: *See*—
Scholl Manufacturing Company, Inc.
Sherwood Shoe Company.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Foot balm, antiseptic foot powder, bromidrosis remedy, etc. 199,000, June 2, 1925. Republished June 7. Class 6.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Plasters for corns, bunions, and callouses and warts. 208,177, Jan. 19, 1926. Republished June 7. Class 6.

Scholl Manufacturing Company, Inc., by The Scholl Mfg. Co., Inc., Chicago, Ill. Pads and plasters for corns, bunions, and callouses. 224,953, Mar. 8, 1927. Republished June 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive medicated shield, pads, or plasters. 369,502, July 25, 1939. Republished June 7. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive unmedicated felt corn pads. 369,999, Aug. 8, 1939. Republished June 7. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Chemical preparation. 386,107, Mar. 25, 1941. Republished June 7. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Adhesive medicated shields or pads. 406,534, Apr. 11, 1944. Republished June 7. Class 6.

Schwartz, Rudolph L., doing business as Watertecter Company, Buffalo, N. Y. Composition of matter including an ingredient which changes color upon contact with water. 510,696, June 7; Serial No. 549,006, published Feb. 22, 1949. Class 6.

Scientific Pharmacals Limited, London, England. Toilet cream. 510,745, June 7; Serial No. 557,470, published Mar. 1, 1949. Class 6.

Scranton Battery Corporation, Archbald, Pa. Storage batteries. 442,804, June 7; Serial No. 525,255, published Mar. 1, 1949. Class 21.

Scull, William S., Company: *See*—
Canby, Ach & Canby Co., The.

Seacoast Canning Co., Eastport, by R. J. Peacock Canning Co., Lubec, Maine. Sardines. 88,122, Aug. 27, 1912. Republished June 7. Class 46.

Seacoast Canning Company, Eastport, by R. J. Peacock Canning Co., Lubec, Maine. Canned sardines. 89,149, Nov. 12, 1912. Republished June 7. Class 46.

Searle, G. D., & Co., Chicago, Ill. Sedative cough preparation. 510,741, June 7; Serial No. 557,159, published Mar. 1, 1949. Class 6.

Select Shaker Co.: *See*—
Lewis, Miles C. T.

Selto (Eastbourne) Limited, Eastbourne, England. Salt tooth powder. 510,666, June 7; Serial No. 545,779, published Mar. 1, 1949. Class 6.

Semet-Solvay Company, to Allied Chemical & Dye Corporation, New York, N. Y. Coke. 260,579, renewed Aug. 27, 1949. O. G. June 7. Class 1.

Seneca Oil Works, to United Refining Company, Warren, Pa. Gasoline, kerosene, fuel oil, etc. 250,892, renewed Dec. 11, 1948. O. G. June 7. Class 15.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Immunogenic preparations. 510,734, June 7; Serial No. 554,819, published Feb. 22, 1949. Class 6.

Sherer-Gillett Company, Marshall, Mich. Bakers' refrigerators. 346,130, May 18, 1937. Republished June 7. Class 31.

Sherer-Gillett Company, Marshall, Mich. Refrigerated display cases and produce cases, etc. 354,102, Jan. 17, 1939. Republished June 7. Class 31.

Sherwood Shoe Company, Rochester, N. Y., by The Scholl Mfg. Co., Inc., Chicago, Ill. Women's shoes. 324,330, May 14, 1935. Republished June 7. Class 39.

Shotwell Mfg. Co., The, Chicago, Ill. Marshmallows. 254,141, renewed Mar. 12, 1949. O. G. June 7. Class 46.

Shreveport Syrup Company: *See*—
Shreveport Syrup Company, Inc.

Shreveport Syrup Company, Inc., to J. R. Murphy, trading as Shreveport Syrup Company, Shreveport, La. Canned table syrups. 259,653, renewed Aug. 6, 1949. O. G. June 7. Class 46.

Shrode-Nelson Produce Co., Goleta, Calif. Fresh vegetables. 423,807, Sept. 10, 1946. Republished June 7. Class 46.

Silica Products Co., assignee: *See*—
Collings, William A.

Simmons, George W., Corporation, New York, N. Y., to Household Products Company, Evanston, Ill. Cleansing powder, steel wool, toilet and laundry soap, etc. 260,099, renewed Aug. 13, 1949. O. G. June 7. Class 4.

Sinclair, H. M., Jr., trustee for the partnership, The Sinclair Manufacturing Company, Toledo, Ohio. Chlorinated lime. 510,513, June 7; Serial No. 527,004, published Feb. 22, 1949. Class 6.

Sinclair, John, Limited, Newcastle-on-Tyne, England. Smoking tobacco, cigarettes, and cigars. 251,404, Jan. 8, 1929. Republished June 7. Class 17.

Sinclair, John, Limited, Newcastle-on-Tyne, England. Smoking tobacco and cigarettes. 427,133, Jan. 28, 1947. Republished June 7. Class 17.

Sinclair, John, Limited, Newcastle-on-Tyne, England. Smoking tobacco and cigarettes. 431,415, July 22, 1947. Republished June 7. Class 17.

Sinclair, John, Limited, Newcastle-on-Tyne, England. Smoking tobacco and cigarettes. 432,239, Aug. 26, 1947. Republished June 7. Class 17.

Sinclair Manufacturing Company, The: *See*—
Sinclair, H. M., Jr., trustee.

Sitroux, Inc.: *See*—
Tissue Brands, Inc.

Sitroux, Inc., New York, N. Y. Facial tissues. 421,155, May 21, 1946. Republished June 7. Class 37.

Small, L. K., Company, Los Angeles, to T. M. Parks, Lompoc, Calif. Fresh deciduous fruits, fresh citrus fruits, fresh vegetables, etc. 250,070, renewed July 23, 1949. O. G. June 7. Class 46.

Smith, J. Hungerford, Co., Rochester, N. Y. Chocolate syrup. 256,207, renewed May 7, 1949. O. G. June 7. Class 46.

Smith & Kanzler Company, Linden, N. J. Wallboard. 510,709, June 7; Serial No. 551,487, published Feb. 22, 1949. Class 12.

Smyrna Imports Co., Inc., New York, N. Y. Dates. 442,860, June 7; Serial No. 523,432, published Feb. 22, 1949. Class 46.

Snoddy Medicine Company, The, Slater, Mo. Croup medicine. 255,673, renewed Apr. 30, 1949. O. G. June 7. Class 6.

Societe a Responsabilite Limitee: Cottan, Parfumeur, Asnieres, France. Perfume. 510,788, June 7; Serial No. 521,475. Class 6.

Societe Anonyme des Industries Chimiques de Wilsele: *See*—
Ste. Ame. des Industries Chimiques Wilsele.

Ste. Ame. des Industries Chimiques Wilsele, Wilsele-les-Louvain to Societe Anonyme des Industries Chimiques de Wilsele, Wilsele, near Louvain, Belgium. Chemicals and paints. 158,540, renewed Sept. 5, 1942. O. G. June 7. Class 16.

Societe Anonyme Societe Technique de Parfumerie F. Millot, Paris, France. Perfumes, toilet waters, colognes, etc. 510,702, June 7; Serial No. 550,563, published Feb. 22, 1949. Class 6.

Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Medicinal preparation. 510,707, June 7; Serial No. 550,836, published Mar. 1, 1949. Class 6.

Société Genevoise D'Instruments De Physique, Geneva, Switzerland. Machine-tools. 442,838, June 7; Serial No. 503,766, published Feb. 22, 1949. Class 23.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Hydrocarbon solvent. 510,664, June 7; Serial No. 545,403, published Mar. 1, 1949. Class 6.

Somis Lemon Association, Oxnard, Calif. Fresh citrus fruits. 438,575, May 4, 1948. Republished June 7. Class 46.

Southern Heater Corporation, Compton, Calif. Water heaters. 510,555, June 7; Serial No. 532,355, published Jan. 18, 1949. Class 34.

Southwest Tablet Manufacturing Company, by Southwest Tablet Manufacturing Company, Dallas, Tex. Paper-terles, writing paper, correspondence paper, etc. 201,337, July 21, 1925. Republished June 7. Class 37.

Spartan Tool Company, Chicago, Ill. Flexible cable type portable, hand manipulated tools. 442,637, June 7; Serial No. 503,332, published Feb. 22, 1949. Class 23.

Spaulding & Company, Chicago, Ill. Articles of chinaware, crockery, pottery, etc. 442,832, June 7; Serial No. 500,841, published Feb. 15, 1949. Class 30.

Spir-It, Inc., Malden, Mass. Spatulas. 442,847, June 7; Serial No. 515,466, published Feb. 22, 1949. Class 23.

Stadium Company, Inc., Philadelphia, Pa. Ironing board cover. 431,539, July 22, 1947. Canceled. O. G. June 7. Class 24.

Stahl-Meyer, Inc., New York, N. Y. Smoked meats. 442,855, June 7; Serial No. 521,293, published Feb. 22, 1949. Class 46.

Staley Milling Company, North Kansas City, Mo. Chick feed. 427,548, Feb. 11, 1947. Republished June 7. Class 46.

Staley Milling Company, North Kansas City, Mo. Hog and pig feed. 434,203, Nov. 11, 1947. Republished June 7. Class 46.

Stanco Incorporated, to Esso Standard Oil Company, New York, N. Y. White mineral oil. 254,173, renewed Mar. 12, 1949. O. G. June 7. Class 6.

Stanco Incorporated, to Esso Standard Oil Company, New York, N. Y. Nose and throat spray. 254,432, renewed Mar. 26, 1949. O. G. June 7. Class 6.

Standard Utilities, Inc., Pasadena, Calif. Flushing apparatus. 510,505, June 7; Serial No. 526,840, published Feb. 22, 1949. Class 23.

Sta-Rite Ginnie-Lou, Inc., Shelbyville, Ill. Hair clasps. 501,816, June 7; Serial No. 555,777. Class 40.

Startomatic Corporation, The, Los Angeles, to The Startomatic Corporation, West Los Angeles, Calif. Automatic starting apparatus for automobiles. 257,534, renewed June 11, 1949. O. G. June 7. Class 21.

Sta-Tite Snath Company, Shelbyville, Ind. Scythe snaths. 510,643, June 7; Serial No. 542,677, published Feb. 8, 1949. Class 23.

Stauffer Chemical Company, San Francisco, Calif. Stripper preparation. 510,727, June 7; Serial No. 553,417, published Mar. 1, 1949. Class 6.

Steel Products Manufacturing Company, St. Louis, Mo. Can openers, jar openers and knife sharpeners. 510,585, June 7; Serial No. 536,006, published Feb. 15, 1949. Class 23.

Stephens-Adamson Mfg. Co., Aurora, Ill. Variable gear and belt speed reducers. 442,858, June 7; Serial No. 523,333, published Jan. 18, 1949. Class 23.

Stevens & Thompson Paper Company, Greenwich, N. Y. Wax-lined paper dishes. 510,602, June 7; Serial No. 537,481, published Mar. 8, 1949. Class 2.

Stuart, D. A., Oil Co., Limited, Chicago, Ill. Cutting oils. 510,570, June 7; Serial No. 534,690, published Feb. 15, 1949. Class 15.

Stuver Bros. Company, The, Kenmore, to The Stuver Bros. Company, Barberton, Ohio. Coal. 253,990, renewed Mar. 12, 1949. O. G. June 7. Class 1.

Sun Chemical Corporation, New York, N. Y. Chemical compounds. 510,764, June 7; Serial No. 561,350, published Feb. 22, 1949. Class 6.

Sun Oil Company, Philadelphia, Pa. Non-soluble cutting oil. 442,846, June 7; Serial No. 514,507, published Jan. 18, 1949. Class 15.

Sun Oil Company, Philadelphia, Pa. Chemical anti-friction compound, insecticides, shock absorber fluid, etc. 442,865, June 7; Serial No. 525,420, published Feb. 22, 1949. Class 6.

Sun Oil Company, Philadelphia, Pa. Upper cylinder lubricating oil. 442,868–9, June 7; Serial Nos. 525,978–9, published Jan. 18, 1949. Class 15.

Sun Vacuum Stores, Los Angeles, Calif. Electric vacuum cleaners. 439,814, July 27, 1948. Republished June 7. Class 21.

Sunflower Packing Association: *See*—
Sunflower Packing Corp.

Sunflower Packing Corp., by Sunflower Packing Association, Porterville, Calif. Fresh citrus fruit. 347,265, June 22, 1937. Republished June 7. Class 46.

Sunflower Packing Corp., by Sunflower Packing Association, Porterville, Calif. Fresh citrus fruits. 390,166, Sept. 0, 1941. Republished June 7. Class 46.

Sunflower Packing Corp., by Sunflower Packing Association, Porterville, Calif. Fresh citrus fruit. 397,842, Sept. 22, 1942. Republished June 7. Class 46.

Superior Paper Products Company, Carnegie, Pa. Corrugated-paper shipping containers. 247,445, Sept. 25, 1928. Republished June 7. Class 2.

Sutliff Tobacco Company, San Francisco, Calif. Smoking tobacco. 510,678, June 7; Serial No. 546,884, published Mar. 1, 1949. Class 17.

Swift Canadian Company, Limited, Toronto, Ontario, Canada. Bacon. 248,434, renewed Oct. 23, 1948. O. G. June 7. Class 46.

Swift and Company: *See*—
Agricultural Chemical Works, Inc.

Swift and Company, Chicago, Ill. Gelatin. 246,768, Sept. 11, 1928. Canceled. O. G. June 7. Class 46.

Sylvania Electric Products Inc.: *See*—
Sylvania Products Company.

Sylvania Products Company, Emporium, Pa., to Sylvania Electric Products Inc., Salem, Mass. Incandescent electric lamps. 254,018, renewed Mar. 12, 1949. O. G. June 7. Class 21.

Syracuse Smelting Works, Brooklyn, N. Y. Babbitt metal. 103,579, Feb. 15, 1916. Republished June 7. Class 14.

Syracuse Smelting Works, Brooklyn, N. Y. Babbitt metal. 113,312, Oct. 10, 1916. Republished June 7. Class 14.

Syracuse Smelting Works, Brooklyn, N. Y. Babbitt metal. 124,054, Dec. 31, 1918. Republished June 7. Class 14.

Tanner, Harold H., doing business as Beetway Company, St. Paul, Minn. Cold permanent wave kit. 442,871, June 7; Serial No. 518,179. Class 44.

Tecalemit Limited, Middlesex, England. Flexible hose. 510,659, June 7; Serial No. 544,931, published Mar. 1, 1949. Class 35.

Techniicon Co., The, New York, N. Y., assignor to The Techicon Company. Automatic immersion apparatus. 510,831, June 7; Serial No. 517,931, published Mar. 1, 1949. Class 26.

Teco Société Anonyme, Bois-de-Breux, near Liege, Belgium. Apparatus for protection against shock caused by short circuits. 442,829, June 7; Serial No. 494,168, published Feb. 22, 1949. Class 21.

Texarkana Cotton Oil Co., by Texarkana Cotton Oil Corporation, Texarkana, Ark. Cottenseed meal, and cottonseed hulls. 221,077, Nov. 23, 1926. Republished June 7. Class 46.

Texarkana Cotton Oil Corporation: *See*—
Texarkana Cotton Oil Co.

Thomson-Smeltzly Corporation, Chicago, Ill. Preparation to be used as a disinfectant, germicide, and deodorant. 510,804, June 7; Serial No. 549,594. Class 6.

Times Publishing Company, Inc., The, St. Cloud, Minn. Daily newspaper. 227,871, May 17, 1927. Republished June 7. Class 38.

Timmerman Lumber & Mfg. Co., Hibbing, Minn. Prefabricated, wood, frame, buildings. 510,683, June 7; Serial No. 547,406, published Feb. 15, 1949. Class 12.

Tissue Brands, Inc., by Sitroux, Inc., New York, N. Y. Facial tissues and paper make-up capes. 326,097, July 16, 1935. Republished June 7. Class 37.

Tirio, Vincent, doing business as Fifty-Fifty Manufacturing Co., Brooklyn, N. Y. Cleaning, disinfecting, germicidal and deodorising compound. 510,626, June 7; Serial No. 540,739, published Feb. 22, 1949. Class 6.

Tobacco By-Products and Chemical Corporation, Louisville, Ky. Parasiticides. 345,719, May 4, 1937. Republished June 7. Class 6.

Tobacco By-Products and Chemical Corporation, Louisville, Ky. Parasiticides. 345,721, May 4, 1937. Republished June 7. Class 6.

Tolerton & Warfield Company, Sioux City, Iowa. Food products. 259,280, renewed July 30, 1949. O. G. June 7. Class 46.

Topp Oil & Chemical Co., Milwaukee, Wis. Lubricating oils and greases. 510,606, June 7; Serial No. 538,199, published Jan. 18, 1949. Class 15.

Topp Oil & Chemical Co., Milwaukee, Wis. Lubricating oils and greases. 510,615, June 7; Serial No. 539,459, published Feb. 22, 1949. Class 15.

Traficante, Minneapolis, Minn. Accordions. 510,595, June 7; Serial No. 537,255, published Mar. 8, 1949. Class 36.

Tupper Corporation, Farnumsville, Mass. Plastic bowls. 510,623, June 7; Serial No. 540,492, published Mar. 8, 1949. Class 2.

Twin City Wholesale Grocer Co., St. Paul, Minn. Canned fish, canned fruits, evaporated canned milk, etc. 510,641, June 7; Serial No. 542,422, published Feb. 15, 1949. Class 46.

Twin City Wholesale Grocer Co., St. Paul, Minn. Canned fruits, canned veletables, canned fish, etc. 510,736, June 7; Serial No. 535,903, published Feb. 1, 1949. Class 46.

Union Carbide and Carbon Corporation, New York, N. Y. Synthetic oil and solid derivatives thereof. 442,861, June 7; Serial No. 524,836, published Feb. 22, 1949. Class 15.

Union Steel Chest Corporation, Le Roy, N. Y. Tool chests. 510,624, June 7; Serial No. 540,495, published Mar. 8, 1949. Class 2.

United American Metals Corporation, Brooklyn, N. Y. Non-ferrous alloys. 139,906, Feb. 22, 1921. Republished June 7. Class 14.

United Co-Operatives, Inc., Alliance, Ohio. Poultry feeders, poultry drinking fountains. 510,581, June 7; Serial No. 535,907, published Mar. 1, 1949. Class 50.

United Co-Operatives, Inc., Alliance, Ohio. Asphaltic roll roofing, thick butt strip shingles and hexagonal shingles. 510,582, June 7; Serial No. 535,908, published Feb. 8, 1949. Class 12.

United Refining Company: *See*—
Seneca Oil Works.

U. S. Automatic Corporation, Amherst, Ohio. Screw machine products. 442,822, June 7; Serial No. 460,460, published Jan. 18, 1949. Class 23.

United States Gypsum Company, Chicago, Ill. Plaster. 252,085, Jan. 22, 1929. Amended. O. G. June 7. Class 12.

Universal Laboratories, Inc., East Orange, N. J. Bath salts, cologne, cake make-up, etc. 510,728, June 7; Serial No. 533,791, published Mar. 8, 1949. Class 6.

Urbana Manufacturing Company, Urbana, Ohio. Electric motors. 510,686, June 7; Serial No. 547,594, published Feb. 22, 1949. Class 21.

Utility Products Co., Rumford, R. I. Insulated waterproof bags. 510,603, June 7; Serial No. 537,491, published Mar. 8, 1949. Class 2.

Valley Flower Co-Operative Creamery Co., Ferndale, Calif. Butter. 258,909, renewed July 16, 1949. O. G. June 7. Class 46.

Vanderbilt Tire & Rubber Corp., New York, N. Y. Automobile tires and tubes. 510,800, June 7; Serial No. 543,342. Class 35.

Van Horn & Sawtell, New York, N. Y., by Johnson & Johnson, New Brunswick, N. J. Antiseptic non-fatty and soluble lubricating jelly. 54,124, June 16, 1906. Republished June 7. Class 6.

Van Name, Livingston C., to L. A. Marli, doing business as Neuro Chemical Company, New York, N. Y. Preparation in powdered form for the treatment of neuralgia, toothache, etc. 265,150, Dec. 17, 1929. New certificate. O. G. June 7. Class 6.

Van Pelt & Brown, Inc., Richmond, Va. Analgesic tablets. 440,105, Aug. 10, 1948. Republished June 7. Class 6.

Vando Company, The, Kansas City, Mo. Combination mechanically and electrically operated door opening mechanism. 510,489, June 7; Serial No. 513,958, published Mar. 1, 1949. Class 21.

Vernon and Vermont Pharmacy, doing business as Betan Company, Los Angeles, Calif. Suntan oil. 510,666, June 7; Serial No. 532,529, published Feb. 22, 1949. Class 6.

Veronica Olive Oil Company, Oakland, Calif. Vegetable oils. 510,530, June 7; Serial No. 529,110, published Sept. 14, 1948. Class 46.

Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets. 510,774, June 7; Serial No. 489,888. Class 35.

Victory Engineering & Machine Works, Inc., St. Louis, Mo.; J. M. Krause, trustee of Victory Engineering & Machine Works, Inc., bankrupt, assignor to B. J. Menkhaus, House Springs, Mo. Washboards. 510,667, June 7; Serial No. 545,918, published Mar. 1, 1949. Class 24.

Virginia-Carolina Chemical Corporation, Richmond, Va. General cleanser in powder form. 510,748, June 7; Serial No. 558,425, published Feb. 22, 1949. Class 4.

Wakefield, F. W., Brass Company, The, Vermilion, Ohio. Electric luminaires and electric lighting fixtures. 510,532, June 7; Serial No. 529,509, published Mar. 1, 1949. Class 21.

Walbert Manufacturing Company, Inc., Chicago, Ill., to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa. Toy horseshoe games. 228,749, renewed June 7, 1947. O. G. June 7. Class 22.

Wanamaker, John, New York, New York, N. Y. Soap. 510,668, June 7; Serial No. 545,919, published Feb. 15, 1949. Class 4.

Waples-Platter & Company, Fort Worth, Tex. Bleach. 510,753, June 7; Serial No. 558,974, published Mar. 1, 1949. Class 6.

Ward Leonard Electric Company, Mount Vernon, N. Y. Electric resistance units or tubes or coils, electric rheostats, electric motor starters, etc. 510,593, June 7; Serial No. 536,825, published Feb. 15, 1949. Class 21.

Warner, William R., & Co., Inc., New York, N. Y. Hormone containing liquid. 510,651, June 7; Serial No. 544,232, published Feb. 22, 1949. Class 6.

Warner, William R., & Co., Inc., New York, N. Y. Hormone containing liquid. 510,652, June 7; Serial No. 544,233, published Mar. 1, 1949. Class 6.

Washington Missionary College, Tacoma Park, Md. Folding ironing board. 510,810, June 7; Serial No. 538,478, published Feb. 1, 1949. Class 24.

Water Delivery Company, by Polar Water Company, Pittsburgh, Pa. Ginger-ale, sarsaparilla, lemon-soda, etc. 84,705, Dec. 26, 1911. Republished June 7. Class 45.

Watertecter Company: *See*—
Schwarts, Rudolph L.

Wawak Company, Inc., Chicago, Ill. Woolen piece goods. 510,730, June 7; Serial No. 554,055, published Mar. 1, 1949. Class 42.

Wayne Knitting Mills, Fort Wayne, Ind. Hosiery. 248,637, Oct. 23, 1928. Republished June 7. Class 39.

Wayne Pump Company, The, Fort Wayne, Ind. Portable and stationary aircraft refueling systems. 510,494, June 7; Serial No. 519,846, published Feb. 22, 1949. Class 23.

West Disinfecting Company, Long Island City, N. Y. Insecticide. 439,926, July 27, 1948. Republished June 7. Class 6.

Westerfield Pharmacal Co. Inc., Dayton, Ohio. Ointment medicinal preparation. 510,739, June 7; Serial No. 536,858, published Mar. 1, 1949. Class 6.

Westvaco Chemical Corporation, now by merger to Food Machinery and Chemical Corporation, New York, N. Y. Degreasing solvents. 510,768, June 7; Serial No. 563,961, published Mar. 8, 1949. Class 4.

Westvaco Chlorine Products Corporation, New York, N. Y., Carteret, N. J., South Charleston, W. Va., and Newark, Calif., now by change of name and merger to Food Machinery and Chemical Corporation, New York, N. Y. Dairy equipment cleanser. 510,590, June 7; Serial No. 536,568, published Feb. 15, 1949. Class 4.

Westvaco Chlorine Products Corporation, South Charleston, W. Va., Newark, Calif., and New York, N. Y., now by change of name and merger to Food Machinery and Chemical Corporation, New York, N. Y. Insecticide. 510,627, June 7; Serial No. 540,950, published Mar. 1, 1949. Class 6.

West Virginia Pulp and Paper Company, New York, N. Y. Crude tall oil (talloel) soap. 510,750, June 7; Serial No. 559,408, published Feb. 22, 1949. Class 4.

Wilson-Albrecht Co. Inc., Minneapolis, Minn. Interior and exterior scaffolds. 510,607, June 7; Serial No. 538,214, published Mar. 1, 1949. Class 50.

Wilson Cabinet Co., Inc., Smyrna, Del. Normal temperature reach-in refrigerators. 510,812, June 7; Serial No. 553,327. Class 31.

Wilson Cabinet Co., Inc., Smyrna, Del. Normal temperature walk-in refrigerated rooms. 510,813, June 7; Serial No. 553,328. Class 31.

Wilson Cabinet Co., Inc., Smyrna, Del. Low temperature reach-in refrigerators. 510,814, June 7; Serial No. 553,329. Class 31.

Wilson Cabinet Co., Inc., Smyrna, Del. Low temperature walk-in refrigerated rooms. 510,815, June 7; Serial No. 553,330. Class 31.

Wilson, Roy W., Chicago, Ill. Children's one-piece sleeper suits. 510,786, June 7; Serial No. 519,612. Class 39.

Winnebago Steel Products Company: *See*—
Haase, Wilbert W.

Winorr Canning Company, The, Circleville, Ohio. Canned vegetables and canned tomato juice. 510,660, June 7; Serial No. 544,953, published Feb. 22, 1949. Class 46.

Wix Accessories Corporation, Gastonia, N. C. Automobile light. 510,605, June 7; Serial No. 538,059, published Mar. 1, 1949. Class 21.

Wolf Bros. & Co., Red Lion, Pa. Cigars. 510,654, June 7; Serial No. 544,491, published Mar. 1, 1949. Class 17.

Wolverine Supply and Manufacturing Company: *See*—
Walbert Manufacturing Company, Inc.

Woolf Brothers, Inc., Kansas City, Mo. Men's and boys' clothing. 258,393, renewed July 9, 1949. O. G. June 7. Class 30.

Woolworth, F. W., Co.: *See*—
Hanes Associated Mills, Inc.

Worldsbest Industries, Inc., Cudahy, Wis. Curtain stretchers. 510,794, June 7; Serial No. 532,890. Class 24.

Wright Sales Company, Inc., Cleveland, Ohio. Venetian blind cord. 510,811, June 7; Serial No. 553,162. Class 7.

Wurzburg Brothers, by Wurzburg Brothers, Incorporated, Memphis, Tenn. Bale tie twisters, tag dispensers, baling presses, etc. 439,372, June 22, 1948. Republished June 7. Class 23.

Wurzburg Brothers, Incorporated: *See*—
Wurzburg Brothers.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Detergent compound. 510,560, June 7; Serial No. 533,097, published Feb. 22, 1949. Class 4.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkaline detergent compound. 510,561–2, June 7; Serial Nos. 533,098–9, published Feb. 22, 1949. Class 4.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning compound. 510,563, June 7; Serial No. 533,102, published Feb. 22, 1949. Class 4.

Wyzenbeek & Staff, Inc., Chicago, Ill. Flexible shafts of metal, flexible shaft cutting, polishing and abrading tools, rotary hole cutters, etc. 510,523, June 7; Serial No. 527,657, published Feb. 22, 1949. Class 23.

Yankee Polish Co., Inc., New York, N. Y. Polishes and dressings. 239,115, Feb. 21, 1928. Republished June 7. Class 16.

Youngbusband, James L.: *See*—
Associated Distributors, Inc.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Chicks, Baby. Iowa Master Breeders, Incorporated. 510,559, June 7; Serial No. 533,026, published Mar. 1, 1949.

Coal. Peabody Coal Company. 510,500, June 7; Serial No. 524,147, published Mar. 1, 1949.

Coal. Pittsburgh Consolidation Coal Company. 510,502, June 7; Serial No. 526,576, published Mar. 1, 1949.

Coal. The Stuver Bros. Company. 253,990, renewed Mar. 12, 1949. O. G. June 7.

Coal, Anthracite and bituminous. J. H. Faucett. 254,053, renewed Mar. 12, 1949. O. G. June 7.

Coke. Semet-Solvay Company. 260,579, renewed Aug. 27, 1949. O. G. June 7.

Plants, Flower. R. M. Kellogg Company. 510,495, June 7; Serial No. 520,281, published Mar. 1, 1949.

Plastic masses. Advance Solvents & Chemical Corporation. 442,851, June 7; Serial No. 517,683, published Mar. 8, 1949.

Plastics, Synthetic resin. Portland Plastics Limited. 442,850, June 7; Serial No. 516,917, published Mar. 1, 1949.

Wool shorn from sheep, furs, and bone, hides from horses and cattle, calfskins. Consolidated Rendering Company. 260,595, Aug. 27, 1929. Republished June 7.

Wool shorn from sheep, furs, and bone, hides from horses and cattle, and calfskins. Consolidated Rendering Company. 323,358, Apr. 9, 1935. Republished June 7.

Wools, Carpet. Lahusen & Cia. Ltda. 510,558, June 7; Serial No. 532,664, published Mar. 1, 1949.

CLASS 2

Bags and sacks. Bemis Bro. Bag Company. 510,507, June 7; Serial No. 526,857, published Feb. 22, 1940.

Bags and sacks, Fabric. Bemis Bro. Bag Company. 510,508, June 7; Serial No. 526,860, published Feb. 22, 1949.

Bags and sacks, Fabric and paper. Bemis Bro. Bag Company. 510,509, June 7; Serial No. 526,874, published Feb. 22, 1949.

Bags and sacks, Fabric and paper. Bemis Bro. Bag Company. 510,511, June 7; Serial No. 526,889, published Feb. 22, 1949.

Bags, Garment, and shoe bags. Henry A. Enrich & Co., Inc. 510,567, June 7; Serial No. 534,258, published Mar. 8, 1949.

Bags, Insulated waterproof. Utility Products Co. 510,603, June 7; Serial No. 537,491, published Mar. 8, 1949.

Bags made of cloth and wire. S. & F. Company. 510,580, June 7; Serial No. 535,632, published Feb. 22, 1949.

Bags, Paper. Bemis Bro. Bag Company. 510,506, June 7; Serial No. 526,845, published Feb. 22, 1949.

Barrels and drums. The Greif Bros. Cooperage Corporation. 510,564, June 7; Serial No. 533,561, published Feb. 22, 1949.

Barrels, Wooden. Coopers International Union of North America. 510,771, June 7; Serial No. 537,015, published Feb. 22, 1949.

Bowls, Plastic. Tupper Corporation. 510,623, June 7; Serial No. 540,492, published Mar. 8, 1949.

Boxes and cartons, Paper. Empire Box Corporation. 281,134, Mar. 10, 1931. Republished June 7.

Boxes, cartons, and trays, Collapsible glued. Empire Box Corporation. 385,606, Mar. 11, 1941. Republished June 7.

Boxes, cartons, and trays, Collapsible glued. Empire Box Corporation. 426,728–9, Jan. 7, 1947. Republished June 7.

Boxes, Folding paper. Robertson Paper Box Company, Inc. 510,600, June 7; Serial No. 537,364, published Mar. 8, 1949.

Boxes, Paper. N. André. 510,782, June 7; Serial No. 511,129.

Cartons, Egg. Empire Box Corporation. 421,311, May 28, 1946. Republished June 7.

Cartons, Fiber board. Hummel and Downing Company. 510,499, June 7; Serial No. 523,672, published Feb. 1, 1949.

Chests, Tool. Union Steel Chest Corporation. 510,624, June 7; Serial No. 540,495, published Mar. 8, 1949.

Containers, Corrugated-paper shipping. Superior Paper Products Company. 247,445, Sept. 25, 1928. Republished June 7.

Dishes, Wax-lined paper. Stevens & Thompson Paper Company. 510,602, June 7; Serial No. 537,481, published Mar. 8, 1949.

Dispensers, Adhesive tape. Industrial Tape Corporation. 432,554, Sept. 2, 1947. Republished June 7.

Dispensers for cosmetic use, Portable perfume. Edmilton Corporation. 442,852, June 7; Serial No. 517,838, published Mar. 2, 1948.

Pails of cardboard, Ice cream. Bloomer Bros. Company. 293,501, Apr. 26, 1932. Republished June 7.

Pails of cardboard, Ice cream. Bloomer Bros. Company. 295,531, July 5, 1932. Republished June 7.

Pails of cardboard, Ice cream. Bloomer Bros. Company. 324,818, June 4, 1935. Republished June 7.

Shakers, Combination salt and pepper. M. C. T. Lewis. 510,787, June 7; Serial No. 520,634.

CLASS 3

Bags, Wardrobe travelling, wardrobe trunks, suit cases, etc. Boyle Leather Goods Co. Inc. 510,795, June 7; Serial No. 534,238.

Harness and saddlery. B. T. Crump Company, Inc. 510,798, June 7; Serial No. 542,290.

Luggage, Men's hand, and women's hand luggage. Platt Luggage, Inc. 510,818, June 7; Serial No. 564,524.

Reticules, purses, pocketbooks, and pouches, Ladies'. Hat Corporation of America. 421,932, June 25, 1946. Republished June 7.

Suitcases, luggage-carrying cases, and wardrobe suitcases. Hartmann Company. 439,585, July 6, 1948. Republished June 7.

Trunks, hand bags, suitcases. Girard Manufacturing Company. 442,870, June 7; Serial No. 508,520.

CLASS 4

Abrasive materials and tools. The Carborundum Company. 75,104, re-renewed Sept. 7, 1949. O. G. June 7.

Abrasives, Coated. Behr-Manning Corporation. 510,498, June 7; Serial No. 523,648, published Nov. 23, 1948.

Alkali, White, crystalline. Haas-Miller Corporation. 510,760, June 7; Serial No. 560,104, published Mar. 1, 1949.

Buffing wheels, Cloth. J. C. Miller Company. 510,726, June 7; Serial No. 553,302, published Mar. 1, 1949.

Cleaner, cleanser, and detergent, Sudsing. The Hewitt Soap Company, Inc. 510,524, June 7; Serial No. 527,932, published Feb. 15, 1949.

Cleaner, Household. KBG Products Company. 510,767, June 7; Serial No. 563,188, published Mar. 8, 1949.

Cleaner, Paint. John T. Bartley & Co. 510,682, June 7; Serial No. 547,420, published Mar. 8, 1949.

Cleaner, White shoe, and shoe cream. Bell Chemical Co. 510,661, June 7; Serial No. 545,334, published Mar. 1, 1949.

Cleaning compound. The Diversey Corporation. 510,654, June 7; Serial No. 547,520, published Feb. 15, 1949.

Cleaning compound. The Diversey Corporation. 510,746, June 7; Serial No. 557,734, published Feb. 22, 1949.

Cleaning compound. Wyandotte Chemicals Corporation. 510,563, June 7; Serial No. 533,102, published Feb. 22, 1949.

Cleaning fluid, Lyon, Incorporated. 442,859, June 7; Serial No. 523,400, published Feb. 22, 1949.

Cleaning powder, Chemical. Hysan Products Company. 510,765, June 7; Serial No. 562,062, published Feb. 15, 1949.

Cleaning preparation. C. Clark. 510,802, June 7; Serial No. 547,102.

Cleaning preparation, Dry. The Perfex Co. 510,669, June 7; Serial No. 546,025, published Mar. 1, 1949.

Cleanser, Dairy equipment. Westvaco Chlorine Products Corporation. 510,590, June 7; Serial No. 536,568, published Feb. 15, 1949.

Cleanser in powder form, General. Virginia-Carolina Chemical Corporation. 510,748, June 7; Serial No. 558,425, published Feb. 22, 1949.

Cleansing powder, steel wool, toilet and laundry soap, etc. George W. Simmons Corporation. 260,099, renewed Aug. 13, 1949. O. G. June 7.

Detergent. H. J. Heckmann. 510,749, June 7; Serial No. 558,786, published Mar. 1, 1949.

Detergent compound. Wyandotte Chemicals Corporation. 510,560, June 7; Serial No. 533,097, published Feb. 22, 1949.

Detergent compound, Alkaline. Wyandotte Chemicals Corporation. 510,581–2, June 7; Serial Nos. 533,098–9, published Feb. 22, 1949.
Detergent in paste form, Sudsing. The Procter & Gamble Company. 510,840, June 7; Serial No. 530,563, published Feb. 22, 1949.
Dressings, Belt. The Black Diamond Paint & Varnish Works, Inc. 510,691, June 7; Serial No. 548,322, published Feb. 15, 1949.
Liquid preparation for removing spots from fabrics, clothing, carpets, etc., and a cleaning preparation. The Great American Tea Company. 510,704, June 7; Serial No. 550,687, published Feb. 15, 1949.
Metal-polish. Wm. A. Rogers, Limited. 73,579, re-renewed May 4, 1949. O. G. June 7.
Polish for gold, silver, plated ware, etc. Wm. A. Rogers, Limited. 253,178, renewed Feb. 19, 1949. O. G. June 7.
Polishing preparations. The Kiwi Polish Company Proprietary Limited. 294,323, May 24, 1932. Amended. O. G. June 7.
Polishing wheels. Armstrong Cork Company. 510,698, June 7; Serial No. 549,221, published Mar. 1, 1949.
Preparation for general cleaning purposes, Liquid. Clorox Chemical Co. 510,797, June 7; Serial No. 542,281.
Shave cream. J. J. Conte. 442,845, June 7; Serial No. 514,238, published Mar. 1, 1949.
Soap. Burroughs Wellcome & Co. (U. S. A.) Inc. 510,758, June 7; Serial No. 559,579, published Mar. 1, 1949.
Soap. Fels & Company. 510,801, June 7; Serial No. 544,562.
Soap. Johnson & Johnson. 49,881, Feb. 6, 1906. Republished June 7.
Soap. H. Kohnstamm & Co., Inc. 196,862, Mar. 31, 1925. Republished June 7.
Soap. H. Kohnstamm & Co., Inc. 273,198, July 22, 1930. Republished June 7.
Soap. John Wanamaker New York. 510,668, June 7; Serial No. 545,919, published Feb. 15, 1949.
Soap, Crude tall oil (talloel). West Virginia Pulp and Paper Company. 510,756, June 7; Serial No. 559,408, published Feb. 22.
Soap, grease, and tallow used for soap making. Consolidated Rendering Company. 323,241, Apr. 9, 1935. Republished June 7.
Soap, Liquid. The Lincoln Industrial Chemical Co. Inc. 510,754, June 7; Serial No. 559,234, published Feb. 15, 1949.
Soap, Liquid. The Lincoln Industrial Chemical Co. Inc. 510,755, June 7.; Serial No. 559,235, published Feb. 15, 1949.
Soap powder. The Cudahy Packing Company. 510,706, June 7; Serial No. 550,791, published Feb. 15, 1949.
Soap, Powdered. H. Kohnstamm & Co., Inc. 196,744, Mar. 24, 1925. Republished June 7.
Soap, Shaving. Iktholine Limited. 510,706, June 7; Serial No. 563,184, published Feb. 15, 1949.
Soap, soap powder, washing powder, etc. Carman & Co., Inc. 510,719–20, June 7; Serial Nos. 552,221–2, published Mar. 8, 1949.
Soap, Toilet. Burroughs Wellcome & Co. (U. S. A.) Inc. 510,757, June 7; Serial No. 559,578, published Mar. 1, 1949.
Soap, Toilet. Colgate-Palmolive-Peet Company. 510,718, June 7; Serial No. 552,122, published Mar. 8, 1949.
Soap, Toilet. The Andrew Jergens Company. 510,697, June 7; Serial No. 549,154, published Feb. 15, 1949.
Soap, Toilet and laundry. Compania Swift de Montevideo, S. A. 510,759, June 7; Serial No. 559,902, published Mar. 8, 1949.
Soaps. D'Orsay Perfumeries Corporation. 510,703, June 7; Serial No. 550,586, published Mar. 8, 1949.
Soaps. Johnson & Johnson. 88,088, Aug. 27, 1912. Republished June 7.
Soaps, Toilet. Les Parfums de Dana, Inc. 510,751, June 7; Serial No. 558,899, published Mar. 1, 1949.
Soaps, Toilet. Les Parfums de Dana, Inc. 510,752, June 7; Serial Nn. 558,902, published Mar. 1, 1949.
Solvent and cleaner, Liquid. Practical Products Company. 442,848, June 7; Serial No. 510,376, published Mar. 8, 1949.
Solvents, Degreasing. Westvaco Chemical Corporation. 510,768, June 7; Serial No. 563,961, published Mar. 8, 1949.
Stropper outfits. Durham-Euders Razor Corporation. 510,717, June 7; Serial No. 551,956, published Mar. 1, 1949.
Washing compound. H. Kohnstamm & Co., Inc. 395,910, June 10, 1942. Republished June 7.
Washing powder. H. Kohnstamm & Co. 167,727, May 8, 1923. Republished June 7.
Washing powder. A. R. Patterson. 510,490, June 7; Serial No. 514,064, published Feb. 22, 1949.
Washing powder, Laundry. The Great American Tea Company. 510,706, June 7; Serial No. 550,088, published Mar. 1, 1949.

CLASS 5

Adhesives in the form of cements, glues, and pastes, etc. H. J. Neribert. 417,298, Oct. 23, 1945. Canceled. O. G. June 7.
Cement, Adhesive. H. J. Heribert. 417,704, Nov. 13, 1945. Canceled. O. G. June 7.
Cements, Adhesive. Industrial Tape Corporation. 438,551, Oct. 21, 1947. Republished June 7.
Glue. Consolidated Rendering Company. 323,306, Apr. 9, 1935. Republished June 7.
Tape, Plastic coated mending. Industrial Tape Corporation. 435,827, Jan. 13, 1948. Republished June 7.
Tapes, Colored, translucent, and non-transparent adhesive. Industrial Tape Corporation. 417,602, Nov. 6, 1945. Republished June 7.
Tapes, Pressure-sensitive adhesive. Industrial Tape Corporation. 388,238, June 17, 1941. Republished June 7.
Tapes, Pressure-sensitive adhesive. Industrial Tape Corporation. 401,619, May 25, 1943. Republished June 7.
Tapes, Transparent adhesive. Industrial Tape Corporation. 385,834, Mar. 18, 1941. Republished June 7.

CLASS 6

Accelerators for the vulcanization of rubber. The Goodyear Tire & Rubber Company. 510,762, June 7; Serial No. 560,701, published Mar. 1, 1949.
Acetamide, acetic anhydride, acetone, etc. Mallinckrodt Chemical Works. 510,512, June 7; Serial No. 526,919, published Mar. 1, 1949.
Alcohol, Hydroabietyl. Hercules Powder Company. 510,743, June 7; Serial No. 557,356, published Feb. 22, 1949.
Alcohol, Monohydric, polyhydric alcohol, and glycol esters. Kessler Chemical Co., Inc. 510,688, June 7; Serial No. 548,000, published Mar. 1, 1949.
Analgesic tablets. Van Pelt & Brown, Inc. 440,105, Aug. 10, 1948. Republished June 7.
Aniline blues. H. Kohnstamm & Co., Inc. 161,192, Nov. 7, 1922. Republished June 7.
Anti-acid preparation, Liquid. J. E. Respondek. 510,477, June 7; Serial No. 474,510, published Mar. 1, 1949.
Bacteriostatic agent. Ciba Pharmaceutical Products, Inc. 510,761, June 7; Serial No. 560,449, published Mar. 1, 1949.
Baking-powder. Jaques Mfg. Co. 86,807, June 4, 1912. Amended. O. G. June 7.
Bath salts, cologne, cake make-up, etc. Universal Laboratories, Inc. 510,728, June 7; Serial No. 553,791, published Mar. 8, 1949.
Bleach. Waples-Platter & Company. 510,753, June 7; Serial No. 558,974, published Mar. 1, 1949.
Bleach creams, beauty creams, cold creams, etc. Palmers, Limited. 160,264, Oct. 17, 1922. Republished June 7.
Bleach, Liquid. H. Kohnstamm & Co., Inc. 415,711, Aug. 14, 1945. Republished June 7.
Bluing. H. Kohnstamm & Co., Inc. 417,164, Oct. 16, 1945. Republished June 7.
Carbon binder solvent, sludge solvent, etc. L. J. Sauerborn. 510,022, June 7; Serial No. 540,459, published Oct. 5, 1948.
Chemical anti-friction compound, insecticides, shock absorber fluid, etc. Sun Oil Company. 442,865, June 7; Serial No. 525,420, published Feb. 22, 1949.
Chemical compound. Robeson Process Company. 510,744, June 7; Serial No. 557,389, published Mar. 1, 1949.
Chemical compounds. Sun Chemical Corporation. 510,764, June 7; Serial No. 561,350, published Feb. 22, 1949.
Chemical fluids, Functional. Monsanto Chemical Company. 510,769, June 7; Serial No. 568,111, published Mar. 8, 1949.
Chemical fluxes and compressed gases. National Cylinder Gas Company. 510,721, June 7; Serial No. 552,477, published Mar. 1, 1949.
Chemical fluxes and compressed gases. National Cylinder Gas Company. 510,722, June 7; Serial No. 552,485, published Mar. 1, 1949.
Chemical preparation. The Scholl Mfg. Co., Inc. 386,107, Mar. 25, 1941. Republished June 7.
Chemicals. I. G. Farbenindustrie Aktiengesellschaft. 252,556, Feb. 12, 1929. Republished June 7.
Chemicals for pest control. Michigan Chemical Corporation. 442,835, June 7; Serial No. 502,911, published Feb. 22, 1949.
Chemicals for treating and preserving flowers and foliage. Jofleur, Inc. 510,737, June 7; Serial No. 555,944, published Mar. 1, 1949.
Chemicals, medicines, and pharmaceutical preparations. Maxim Chemical Company, Inc. 510,658, June 7; Serial No. 544,890, published Mar. 1, 1949.
Chemicals, Photographic, dyestuffs, and hexahydrophenol. Newport Manufacturing Company. 258,538, renewed July 9, 1949. O. G. June 7.
Cleaning, disinfecting, germicidal, and deodorizing compound. V. Tizio. 510,625, June 7; Serial No. 540,739, published Feb. 22, 1949.
Cleansing cream and toilet water. Lehn & Fink Products Corporation. 439,913, July 27, 1948. Republished June 7.
Coloring for foods. H. Kohnstamm & Co. 126,028, July 22, 1919. Republished June 7.
Colors, Coal-tar. H. Kohnstamm & Co. 147,122, Oct. 4, 1921. Republished June 7.
Colors, Coal-tar. H. Kohnstamm & Co., Inc. 379,300, July 9, 1940. Republished June 7.
Colors for foods, Paste. H. Kohnstamm & Co. 144,596, July 12, 1921. Republished June 7.
Colors in the form of powder and pulp. H. Kohnstamm & Co., Inc. 354,530, Feb. 15, 1938. Republished June 7.

Colors in the form of powder and pulp, etc. H. Kohnstamm & Co., Inc. 422,362, July 16, 1946. Republished June 7.
Colors, Pigment, and lake colors. H. Kohnstamm & Co., Inc. 361,935, Nov. 8, 1938. Republished June 7.
Composition of matter including an ingredient which changes color upon contact with water. R. L. Schwartz. 510,696, June 7; Serial No. 540,008, published Feb. 22, 1949.
Compound for destroying vegetation. Chipman Chemical Engineering Company, Incorporated. 259,588, renewed Aug. 6, 1949. O. G. June 7.
Compound, Wax. H. Kohnstamm & Co., Inc. 276,001, Oct. 7, 1930. Republished June 7.
Cosmetic items. Schnefel Bros. Corporation. 510,740, June 7; Serial No. 556,990, published Feb. 22, 1949.
Cough preparation, Sedative. G. D. Searle & Co. 510,741, June 7; Serial No. 557,159, published Mar. 1, 1949.
Deodorant. M. S. Goldberg. 510,629, June 7; Serial No. 541,132, published Mar. 1, 1949.
Deodorant cream, Hand. Block Drug Company, Inc. 510,700, June 7; Serial No. 549,695, published Mar. 8, 1949.
Disinfectant. Murphy Laboratories, Inc. 510,701, June 7; Serial No. 549,828, published Mar. 1, 1949.
Disinfectant, Seed. E. I. du Pont de Nemours and Company. 259,006, renewed July 23, 1949. O. G. June 7.
Drier, Nail polish. M. V. C. Laboratories, Inc. 419,493, Feb. 19, 1946. Republished June 7.
Dye composition. D. S. Kearney. 510,488, June 7; Serial No. 512,781, published Mar. 1, 1949.
Dye, Liquid. Bloomtint Products, Inc. 510,785, June 7; Serial No. 517,451.
Dyes, Coal-tar. H. Kohnstamm & Co. 147,123, Oct. 4, 1921. Republished June 7.
Dyes, Coal-tar. H. Kohnstamm & Co., Inc. 379,299, July 9, 1940. Republished June 7.
Dyes, Coal-tar. H. Kohnstamm & Co., Inc. 380,322, Aug. 20, 1940. Republished June 7.
Dyes, Coal-tar, and vegetable dye extracts for confectioners' use. H. Kohnstamm & Co. 50,561, Jan. 8, 1907. Republished June 7.
Endocrine tonic. G. W. Carnrick Co. 259,725, renewed Aug. 6, 1949. O. G. June 7.
Endocrine tonic. G. W. Carnrick Co. 259,769, renewed Aug. 6, 1949. O. G. June 7.
Ester of tall oil. National Southern Products Corporation. 510,694, June 7; Serial No. 548,665, published Mar. 1, 1949.
Eyelash and eyebrow groomer and beautifier in mascara form. Gordon Gordon, Ltd. 442,839, June 7; Serial No. 503,901, published July 20, 1948.
Face powder. The Armand Company. 254,135, renewed Mar. 12, 1949. O. G. June 7.
Face powder, rouge, skin ointment, etc. La-Ray Cosmetics, Inc. 313,817, June 12, 1934. Republished June 7.
Face powder, toilet powder, tissue cream, etc. A. W. Frost. 254,176, renewed Mar. 12, 1949. O. G. June 7.
Fatty acids. General Mills, Inc. 510,733, June 7; Serial No. 554,660, published Mar. 8, 1949.
Fatty acids, Mixed. Armour and Company. 510,626, June 7; Serial No. 540,961, published Mar. 1, 1949.
Feed supplement for live stock and poultry, Dietary mineral. Imperial Minerals, Inc. 510,637, June 7; Serial No. 542,135, published Feb. 22, 1949.
Filling-liquids for liquid level gauge instruments. The Reliance Gauge Column Company. 510,534, June 7; Serial No. 529,697, published Feb. 22, 1949.
Fluid, Brake. Puritan Company, Incorporated. 506,060, Feb. 15, 1949. Corrected. O. G. June 7.
Fluid, Shock absorber. Houde Engineering Corporation. 305,688–9, Aug. 22, 1933. Republished June 7.
Foot balm, antiseptic foot powder, bromidrosis remedy, etc. Scholl Manufacturing Company, Inc. 199,000, June 2, 1925. Republished June 7.
Gas absorbents. Dewey and Almy Chemical Company. 510,503, June 7; Serial No. 526,701, published Mar. 8, 1949.
Gases, Compressed. National Cylinder Gas Company. 510,670, June 7; Serial No. 546,122, published Mar. 1, 1949.
Hormone containing liquid. William R. Warner & Co., Inc. 510,651, June 7; Serial No. 544,232, published Feb. 22, 1949.
Hormone containing liquid. William R. Warner & Co., Inc. 510,652, June 7; Serial No. 544,233, published Mar. 1, 1949.
Immunogenic preparations. Sharp & Dohme, Incorporated. 510,734, June 7; Serial No. 554,819, published Feb. 22, 1949.
Inhalent preparation. Iowa Master Breeders, Incorporated. 510,715, June 7; Serial No. 551,562, published Mar. 1, 1949.
Injection, Liquid, for treatment of strains and sprains to muscles, tendons, and ligaments in horses, ointment and liniament. McKay Maxlin Company. 510,742, June 7; Serial No. 557,295, published Mar. 8, 1949.
Insecticide. West Disinfecting Company. 439,925, July 27, 1948. Republished June 7.
Insecticide. Westvaco Chlorine Products Corporation. 510,627, June 7; Serial No. 540,950, published Mar. 1, 1949.
Insecticides, deodorants, disinfectants, etc. Pacific Chemical Company. 438,618, May 11, 1948. Republished June 7.
Jelly, Antiseptic non-fatty and soluble lubricating. Van Horn & Sawtell. 54,124, June 19, 1906. Republished June 7.
Laundry and textile sour. H. Kohnstamm & Co., Inc. 182,917, Apr. 22, 1924. Republished June 7.
Laundry starch, Liquid. Hyco Products. 442,831, June 7; Serial No. 497,180, published June 17, 1947.
Lime, Chlorinated. H. M. Sinclair, Jr. 510,518, June 7; Serial No. 527,004, published Feb. 22, 1949.
Lime, Fluxing. The National Lime & Stone Company. 263,038, Oct. 29, 1929. Republished June 7.
Lipstick, rouge, face powder, eyelash and eyebrow mascara, etc. Associated Distributors, Inc. 380,423, Aug. 20, 1940. Republished June 7.
Lipsticks. Revlon Products Corporation. 510,763, June 7; Serial No. 516,310.
Liquid obtained from pine wood by distillation. G. L. Cabot, Inc. 510,626, June 7; Serial No. 540,773, published Feb. 22, 1949.
Liquid used in X-ray and Roentgen ray photography. E. Fougera & Company, Inc. 510,602, June 7; Serial No. 548,357, published Feb. 22, 1949.
Lotion, Hand. Kirkman & Son. 258,640, renewed July 9, 1949. O. G. June 7.
Lotion, Skin. Hall & Ruckel, Inc. 510,729, June 7; Serial No. 553,853, published Feb. 22, 1949.
Lotion, Skin. The Herb Farm Shop, Ltd. 510,634, June 7; Serial No. 541,624, published Feb. 22, 1949.
Make-up, Cake, and creme-pak face powder. The Procter & Gamble Company. 510,492, June 7; Serial No. 516,918, published Mar. 1, 1949.
Mange remedy. E. H. Bradford. 510,599, June 7; Serial No. 537,285, published Mar. 8, 1949.
Mask, Odor. Fritzsche Brothers, Inc. 510,655, June 7; Serial No. 544,563, published Mar. 1, 1949.
Mealliko substance used in destroying garden and lawn insects. Agricultural Chemical Works, Inc. 254,044, renewed Mar. 12, 1949. O. G. June 7.
Medicated preparation in tablet form. Allied Laboratories Limited. 510,583; Serial No. 535,919, published Feb. 22, 1949.
Medicinal bitters having a laxative preparation. Pastene & Co., Inc. 510,731, June 7; Serial No. 554,405, published Mar. 1, 1949.
Medicinal compound. Pearson Remedy Co. 218,291, Sept. 21, 1926. Republished June 7.
Medicinal dosages containing vitamins, minerals, and hormones. Hightower Laboratories. 442,840, June 7; Serial No. 505,651, published May 6, 1947.
Medicinal ointment. Buffington's, Incorporated. 510,713, June 7; Serial No. 551,517, published Feb. 22, 1949.
Medicinal plasters, digestive tablets, fumigators, and toilet powders. Johnson & Johnson. 97,478, June 9, 1914. Republished June 7.
Medicinal preparation. Buffington's, Incorporated. 510,711, June 7; Serial No. 551,515, published Feb. 22, 1949.
Medicinal preparation. Societe des Usines Chimiques Rhone-Poulenc. 510,707, June 7; Serial No. 550,830, published Mar. 1, 1949.
Medicinal solution, Injectable. Buffington's, Incorporated. 510,710, June 7; Serial No. 551,514, published Feb. 22, 1949.
Medicinal tablet. Buffington's, Incorporated. 510,712, June 7; Serial No. 551,516, published Feb. 22, 1949.
Medicinal tablet. Buffington's, Incorporated. 510,714, June 7; Serial No. 551,518, published Feb. 22, 1949.
Medicine, Croup. The Snoddy Medicine Company. 255,673, renewed Apr. 30, 1940. O. G. June 7.
Mineral oil, White. Stanco Incorporated. 254,173, renewed Mar. 12, 1949. O. G. June 7.
Nerve preparation. Henry Laboratories, Inc. 510,685, June 7; Serial No. 547,543, published Mar. 1, 1940.
Oil, Baby. Johnson & Johnson. 400,154, Feb. 10, 1943. Republished June 7.
Ointment medicinal preparation. Westerfield Pharmacal Co. Inc. 510,739, June 7; Serial No. 556,658, published Mar. 1, 1949.
Ointments, lotions, facial creams, etc., Skin and face. Canamin Corporation. 510,693, June 7; Serial No. 548,636, published Mar. 1, 1949.
Parasiticides. Tobacco By-Products and Chemical Corporation. 345,719, May 4, 1937. Republished June 7.
Parasiticides. Tobacco By-Products and Chemical Corporation. 345,721, May 4, 1937. Republished June 7.
Pectorals and throat tablets. Aktieselskabet Lagerman Junr. 510,689, June 7; Serial No. 548,224, published Feb. 22, 1949.
Perfume. Societe a Responsabilite Limitee: Cottan, Parfumeur. 510,788, June 7; Serial No. 521,478.
Perfume and toilet water. M. C. Marra. 442,856, June 7; Serial No. 509,155, published Mar. 8, 1949.
Perfume, toilet water, cologne, etc. Benard & Honnorat. 510,669, June 7; Serial No. 548,320, published Mar. 1, 1949.
Perfume, toilet water, compacts, etc. Avon Products, Inc. 510,591, June 7; Serial No. 536,675, published Feb. 22, 1949.
Perfumery. A. Palazzolo. 442,828, June 7; Serial No. 493,392, published Mar. 1, 1949.
Perfumes. Bonwit Teller Inc. 421,946, June 25, 1940. Republished June 7.
Perfumes. W. S. Hieber. 442,836, June 7; Serial No. 503,198, published Feb. 22, 1949.

Perfumes, colognes and toilet waters. A. L. Jimenez. 510,640, June 7; Serial No. 542,321, published Feb. 22, 1949.

Perfumes, toilet waters, colognes, etc. Societe Anonyme Societe Technique de Parfumerie F. Millet. 510,702, June 7; Serial No. 550,563, published Feb. 22, 1949.

Perfumes, toilet waters, preparations for the hair, etc. Delaville (G. L.) Limited. 510,633, June 7; Serial No. 541,521, published Feb. 22, 1949.

Pills. Barclay & Barclay. 69,488, re-renewed June 16, 1948. O. G. June 7.

Plasters for corns, bunions and callouses and warts. Scholl Manufacturing Company, Inc. 208,177, Jan. 19, 1926. Republished June 7.

Preparation containing manganese salicylate, aspirin, caffeine, etc. Rhodes Pharmacal Co., Inc. 510,695, June 7; Serial No. 548,846, published Mar. 8, 1949.

Preparation for headache, colds, influenza, etc. Cornel Drug Stores Inc. 254,839, renewed Mar. 26, 1949. O. G. June 7.

Preparation for home treatment and relief of drunkenness. M. Hecker. 510,747, June 7; Serial No. 557,923, published Mar. 1, 1949.

Preparation for the kidneys. Cornel Drug Stores, Inc. 254,838, renewed Mar. 26, 1949. O. G. June 7.

Preparation for the treatment of dandruff. L. Salazar. 510,784, June 7; Serial No. 516,888.

Preparation for treatment of headache, neuralgia, nervousness, etc. M. G. Gibbs. 181,279, Mar. 18, 1924. Republished June 7.

Preparation in powdered form for the treatment of neuralgia, toothache, etc. L. C. Van Name. 265,150, Dec. 17, 1929. New certificate. O. G. June 7.

Preparation to be used as a disinfectant, germicide, and deodorant. Thomson-Smeltzly Corporation. 510,804, June 7; Serial No. 549,594.

Preparation used in tanning. Allied Chemical & Dye Corporation. 510,783, June 7; Serial No. 560,954, published Mar. 1, 1949.

Preparations containing vitamin, mineral, and/or desiccated glandular products. Anabolic Food Products, Inc. 510,750, June 7; Serial No. 558,845, published Mar. 1, 1949.

Preparations for the treatment of diseases of the skin, the treatment of anti-arthritic, and anti-rheumatic conditions, etc. Chicago Pharmacal Company. 396,710, June 28, 1942. Republished June 7.

Product for neutralising an acid ingredient. The National Lime & Stone Company. 401,372, May 11, 1943. Republished June 7.

Propane, oxygen, hydrogen, etc. Kay Gases Co. 510,479, June 7; Serial No. 492,926, published Nov. 23, 1948.

Protein granules, Unhydrolyzed. Bristol Laboratories, Inc. 510,632, June 7; Serial No. 541,507, published Mar. 1, 1949.

Purifier, Liquid air, and cleanser of a chemical nature. Gift of The Month, Inc. 510,699, June 7; Serial No. 549,630, published Mar. 1, 1949.

Resin suspensions or dispersions. Rohm & Haas Company. 510,723, June 7; Serial No. 552,803, published Feb. 22, 1949.

Rust solvent. E. I. du Pont de Nemours and Company. 268,573, renewed July 9, 1949. O. G. June 7.

Sal soda, washing soda, monohydrated carbonate of soda, etc. Church & Dwight Co., Inc. 510,504, June 7; Serial No. 526,778, published Sept. 14, 1948.

Salve, Healing. D. B. Pinguely. 510,807, June 7; Serial No. 551,819.

Salves and ointments. Haarer & Sons. 94,446, Dec. 9, 1913. Republished June 7.

Serum, Anti-hog cholera. Anchor Serum Company. 180,222, Feb. 26, 1924. Republished June 7.

Shampoo. The Procter & Gamble Company. 439,806, July 27, 1948. Republished June 7.

Shields or pads, Adhesive medicated. The Scholl Mfg. Co., Inc. 406,534, Apr. 11, 1944. Republished June 7.

Shields, pads, or plasters, Adhesive medicated. The Scholl Mfg. Co., Inc. 389,502, July 25, 1939. Republished June 7.

Silicate of soda. Philadelphia Quartz Company. 350,513, Sept. 28, 1937. Republished June 7.

Sodium hypochlorite solution. K. L. Mueller. 510,674, June 7; Serial No. 546,508, published Mar. 1, 1949.

Sodium silicate. Philadelphia Quartz Company. 125,499, May 20, 1919. Republished June 7.

Softener, Water, and laundry break compound. H. Kohnstamm & Co., Inc. 414,150, May 29, 1945. Republished June 7.

Solution to be used as a coating, finish or lacquer for textiles and for plastics, etc. H. J. Herlbert. 421,947, June 25, 1946. Canceled. O. G. June 7.

Solvent, Hydrocarbon. Socony-Vacuum Oil Company, Incorporated. 510,664, June 7; Serial No. 545,403, published Mar. 1, 1949.

Spray, Nose and throat. Stanco Incorporated. 254,432 renewed Mar. 26, 1949. O. G. June 7.

Starch, Laundry. H. Kohnstamm & Co. 58,406–7, Dec 11, 1906. Republished June 7.

Starch, Laundry. H. Kohnstamm & Co. 100,837, Oct. 27, 1914. Republished June 7.

Starch, Laundry. H. Kohnstamm & Co. 100,842, Oct. 27, 1914. Republished June 7.

Stripper preparation. Stauffer Chemical Company. 510,727, June 7; Serial No. 553,417, published Mar. 1, 1949.

Suntan oil. Vernon and Vermont Pharmacy. 510,556, June 7; Serial No. 532,629, published Feb. 22, 1949.

Syrup, Ant, insect powder, moth spray, etc. Paramount Pest Control Service. 442,834, June 7; Serial No. 501,025, published Feb. 22, 1940.

Tobacco in its various forms for use as a poultry and stock vermicide and vermifuge. Henry A. Fischel, Inc. 313,399, May 20, 1934. Republished June 7.

Toilet cream. Scientific Pharmacals Limited. 510,745, June 7; Serial No. 557,470, published Mar. 1, 1949.

Tooth paste. The County Perfumery Company, Inc. 442,843, June 7; Serial No. 511,381, published Mar. 8, 1949.

Tooth powder, Salt. Selto (Eastbourne) Limited. 510,666, June 7; Serial No. 545,779, published Mar. 1, 1949.

Vitamin capsules, ferrous sulfate tablets, ointment, etc. Hoyle and Company. 510,716, June 7; Serial No. 551,686, published Mar. 1, 1949.

Waveset, Super-quick drying, nail polish, nail polish remover, etc. The F. E. I. Corporation. 510,679, June 7; Serial No. 546,988, published Mar. 1, 1949.

Wetting and emulsifying agent and penetrant. Onyx Oil & Chemical Company. 434,050, Nov. 4, 1947. Republished June 7.

CLASS 7

Cord, Venetian blind. Wright Sales Company, Inc. 510,811, June 7; Serial No. 563,162.

Twine, Cotton, cotton rope, jute, hemp, etc. The Grady-Travers Company, Incorporated. 510,792, June 7; Serial No. 528,786.

CLASS 10

Fertilizer. Consolidated Rendering Company. 404,484, Nov. 30, 1943. Republished June 7.

Fertilizers. Consolidated Rendering Company. 356,994, May 24, 1938. Republished June 7.

Fertilizers, plant food, and agricultural chemicals. Consolidated Rendering Company. 321,749, Feb. 12, 1935. Republished June 7.

Lime, Agricultural. The National Lime & Stone Company. 262,656, Oct. 22, 1929. Republished June 7.

Plant food. Consolidated Rendering Company. 260,267, Aug. 20, 1929. Republished June 7.

CLASS 11

Colors in the form of powder and pulp used in the manufacture of inks. H. Kohnstamm & Co., Inc. 354,375, Feb. 8, 1938. Republished June 7.

Ink, Writing. The Parker Pen Company. 510,520, June 7; Serial No. 527,344, published Feb. 22, 1949.

Inks, Printing. J. M. Huber Corporation. 510,569, June 7; Serial No. 534,630, published Feb. 22, 1949.

Inks, Printing, and offset compounds. Interchemical Corporation. 510,571, June 7; Serial No. 534,784, published Feb. 22, 1949.

CLASS 12

Building structures, Aluminum and steel prefabricated. Cowin & Co. Inc. 510,543, June 7; Serial No. 530,921, published Feb. 15, 1949.

Buildings, Prefabricated, wood, frame. Timmerman Lumber & Mfg. Co. 510,683, June 7; Serial No. 547,496, published Feb. 15, 1949.

Caulking and glazing compound. Detroit Graphite Company. 510,675, June 7; Serial No. 546,680, published Feb. 15, 1949.

Caulking of various mixtures and consistencies for caulking openings. Independent Silo Company. 442,823, June 7; Serial No. 462,096, published May 25, 1948.

Cement, Quick setting non-shrinking. The Hallemite Manufacturing Co. 510,642, June 7; Serial No. 542,565, published Feb. 15, 1949.

Coating material, Refractory. Mexico Refractories Company. 510,636, June 7; Serial No. 542,036, published Feb. 8, 1949.

Coloring material, Cement, etc. Clinton Metallic Paint Company. 510,604, June 7; Serial No. 537,583, published Feb. 15, 1949.

Doors, Garage. Carr, Adams & Collier Company. 510,665, June 7; Serial No. 545,580, published Feb. 8, 1949.

Fiber board for construction purposes. Coraltex, Inc. 510,647, June 7; Serial No. 543,788, published Feb. 15, 1949.

Fire brick aggregate, Crushed. Mexico Refractories Company. 510,635, June 7; Serial No. 541,858, published Feb. 8, 1949.

Lime, Finishing, powdered lime, mason's lime, etc. The National Lime & Stone Company. 275,617–18, Sept. 23, 1930. Republished June 7.

Material to be applied to the surface of masonry. The Master Builders Company. 260,656, renewed Aug. 27, 1949. O. G. June 7.

Material to be used as an ingredient in concrete. The Master Builders Company. 258,695–6, renewed July 16, 1949. O. G. June 7.

Plaster. United States Gypsum Company. 252,065, Jan. 22, 1929. Amended. O. G. June 7.

Roofing, Asphaltic roll, thick butt strip shingles and hexagonal shingles. United Co-operatives, Inc. 510,582, June 7; Serial No. 535,908, published Feb. 8, 1949.

Roofing-felt and roofing-paper. J. A. & W. Bird & Co. 73,611, re-renewed May 4, 1940. O. G. June 7.

Roofing in roll form, Asphaltic composition. The Flintkote Company. 255,449, renewed Apr. 23, 1949. O. G. June 7.

Shingles, Asphalt composition roofing. The Ruberoid Co. 510,687, June 7; Serial No. 547,776, published Feb. 8, 1949.

Thermal insulation, Specially prepared loose fill. W. C. Janisch. 510,601, June 7; Serial No. 537,456, published Feb. 8, 1949.

Tiles and foundation sheets. Porcelain Tile Company. 246,871, Sept. 18, 1928. Republished June 7.

Tiles, Wall and floor, and foundation sheets for tiles. Porcelain Tile Company. 283,220, May 19, 1931. Republished June 7.

Ventilators, Metal. Ellison Louvre Company, Inc. 510,542, June 7; Serial No. 530,748, published Feb. 8, 1949.

Wallboard. Smith & Kanzler Company. 510,709, June 7; Serial No. 551,487, published Feb. 22, 1949.

Waterproofing material. W. A. Collings. 250,677, renewed Dec. 11, 1948. O. G. June 7.

CLASS 13

Chains. Link-Belt Company. 220,199, Nov. 2, 1926. Republished June 7.

Chains. Link-Belt Company. 220,207, Nov. 2, 1926. Republished June 7.

Chains, Drive. Howe Chain Company. 178,179, Jan. 8, 1924. Republished June 7.

Nails. The Denison Company. 379,005, June 25, 1940. Republished June 7.

Washers, Lock. Eaton Manufacturing Company. 510,808, June 7; Serial No. 551,878.

CLASS 14

Alloys, Non-ferrous. United American Metals Corporation. 139,906, Feb. 22, 1921. Republished June 7.

Brass, copper, aluminum, etc., in various shapes and forms. Atlantic Brass & Copper Co., Inc. 510,791, June 7; Serial No. 523,279.

Metal, Babbitt. Syracuse Smelting Works. 108,579, Feb. 13, 1936. Republished June 7.

Metal, Babbitt. Syracuse Smelting Works. 113,312, Oct. 10, 1916. Republished June 7.

Metal, Babbitt. Syracuse Smelting Works. 124,054, Dec. 21, 1918. Republished June 7.

Solders comprised primarily of lead and tin. Alpha Metals, Inc. 510,617, June 7; Serial No. 557,579.

CLASS 15

Fluid, Shock absorber. Houde Engineering Corporation. 306,514–15, Sept. 19, 1933. Republished June 7.

Gasoline. Pate Oil Company. 510,579, June 7; Serial No. 535,606, published Feb. 22, 1949.

Gasoline, kerosene, fuel oil, etc. Seneca Oil Works. 250,602, renewed Dec. 11, 1948. O. G. June 7.

Greases, Lubricating. Quaker Oil Products Corporation. 260,144, renewed Aug. 20, 1949. O. G. June 7.

Oil, Non-soluble cutting. Sun Oil Company. 442,846, June 7; Serial No. 514,507, published Jan. 18, 1949.

Oil, Synthetic, and solid derivatives thereof. Union Carbide and Carbon Corporation. 442,861, June 7; Serial No. 524,836, published Feb. 22, 1949.

Oil, Upper cylinder lubricating. Sun Oil Company. 442,868–9, June 7; Serial Nos. 525,978–9, published Jan. 18, 1949.

Oils and greases, Lubricating. Jenkin-Guerin Inc. 510,522, June 7; Serial No. 527,420, published Feb. 22, 1949.

Oils and greases, Lubricating. The Pure Oil Company. 510,521, June 7; Serial No. 527,353, published Jan. 18, 1949.

Oils and greases, Lubricating. Topp Oil & Chemical Co. 510,606, June 7; Serial No. 538,199, published Jan. 18, 1949.

Oils and greases, Lubricating. Topp Oil & Chemical Co. 510,615, June 7; Serial No. 539,459, published Feb. 22, 1949.

Oils, Cutting. D. A. Stuart Oil Co., Limited. 510,570, June 7; Serial No. 534,690, published Feb. 15, 1949.

Oils, Lubricating. Cardinal Chemical Corporation. 510,588, June 7; Serial No. 536,496, published Feb. 22, 1949.

Oils, Lubricating. Premier Oil Refining Company of Texas. 510,613, June 7; Serial No. 539,347, published Feb. 22, 1949.

Oils, Lubricating. Quaker Petroleum Company. 510,526, June 7; Serial No. 528,509, published Jan. 18, 1949.

Waxes, Petroleum. The Atlantic Refining Company. 510,553, June 7; Serial No. 532,265, published Feb. 8, 1949.

CLASS 16

Chemicals and paints. Ste. Ame. des Industries Chimiques Wilaels. 166,546, renewed Sept. 5, 1942. O. G. June 7.

Coating compositions, Resinous. Better Finishes and Coatings, Inc. 425,521, Nov. 26, 1946. Republished June 7.

Coating materials. Better Finishes and Coatings, Inc. 425,247, Nov. 12, 1946. Republished June 7.

Enamel-paint. Ernecke and Salmstein. 71,334, Nov. 17, 1908. Republished June 7.

Paints, Bulletin color, and exterior house paints. R. N. Nason & Co. 510,677, June 7; Serial No. 546,861, published Jan. 11, 1949.

Paints, Ready-mixed, dry colors, asphalt paint, paint-oil, etc. The Pruett-Schaffer Chemical Company. 135,778, Oct. 19, 1920. Republished June 7.

Paints, Ready-mixed, liquid, semi-paste, and paste, paint enamels, varnishes, etc. Chilton Paint Company. 300,927, Feb. 14, 1933. Republished June 7.

Polishes and dressings. Yankee Polish Co. Inc. 230,115, Feb. 21, 1928. Republished June 7.

Varnish. Hall Hardware Company. 422,748, Aug. 13, 1946. Republished June 7.

CLASS 17

Cigarettes. The Axton Fisher Tobacco Co. 257,969, renewed June 25, 1949. O. G. June 7.

Cigars. H. Anton Bock Co. Inc. 510,640, June 7; Serial No. 544,035, published Mar. 1, 1949.

Cigars. M. A. Fernandez. 442,830, June 7; Serial No. 497,086, published Mar. 1, 1949.

Cigars. I. Lewis Cigar Manufacturing Company. 510,646, June 7; Serial No. 543,490, published Mar. 1, 1949.

Cigars. J. B. McGinty. 510,484, June 7; Serial No. 507,647, published Feb. 8, 1949.

Cigars. Wolf Bros. & Co. 510,654, June 7; Serial No. 544,401, published Mar. 1, 1949.

Stogies. Augustus Pollack, Incorporated. 510,644, June 7; Serial No. 542,679, published Mar. 1, 1949.

Stogies. Augustus Pollack, Incorporated. 510,663, June 7; Serial No. 545,301, published Mar. 1, 1949.

Tobacco, Chewing and smoking. The Bloch Brothers Tobacco Co. 510,619, June 7; Serial No. 539,636, published Mar. 1, 1949.

Tobacco, Smoking. Sutliff Tobacco Company. 510,678, June 7; Serial No. 546,884, published Mar. 1, 1949.

Tobacco, Smoking, and cigarettes. John Sinclair Limited. 427,153, Jan. 28, 1947. Republished June 7.

Tobacco, Smoking, and cigarettes. John Sinclair Limited. 431,415, July 22, 1947. Republished June 7.

Tobacco, Smoking, and cigarettes. John Sinclair Limited. 432,230, Aug. 26, 1947. Republished June 7.

Tobacco, Smoking, cigarettes, and cigars. John Sinclair Limited. 251,404, Jan. 8, 1929. Republished June 7.

CLASS 21

Apparatus consisting of an electrical transformer, an electrical control panel, and a tank unit. Fluid Systems, Incorporated. 510,780, June 7; Serial No. 564,480.

Apparatus for protection against shock caused by short circuits. Teco Société Anonyme. 442,829, June 7; Serial No. 404,168, published Feb. 22, 1949.

Attachments, Sound amplifying. The Flotatone Company. 510,563, June 7; Serial No. 533,671, published Mar. 1, 1949.

Batteries, Storage. Hester Battery Manufacturing Company, Inc. 510,671, June 7; Serial No. 546,222, published Mar. 1, 1949.

Batteries, Storage. Scranton Battery Corporation. 442,864, June 7; Serial No. 525,256, published Mar. 1, 1949.

Blower, Portable hand-manipulated electric. D. E. Campbell. 439,156, June 8, 1948. Republished June 7.

Brushes for use in electrical apparatus and electrical machines, granular carbon for use in telephone transmitters, etc. National Carbon Company, Inc. 442,867, June 7; Serial No. 525,925, published Feb. 24, 1948.

Components, Electrical. National Union Radio Corporation. 442,854, June 7; Serial No. 520,763, published Mar. 1, 1949.

Conduit or tube, Non-metallic cable. Eastern Tube and Tool Co., Inc. 510,617, June 7; Serial No. 539,503, published Feb. 15, 1949.

Control mechanism for radio-receiving sets, Portable. Boston Implement Co. 510,557, June 7; Serial No. 532,551, published Mar. 1, 1949.

Door opening mechanism, Combination mechanically and electrically operated. The Vendo Company. 510,489, June 7; Serial No. 513,955, published Mar. 1, 1949.

Electrical equipment and supplies, telephones and telephone supplies, etc. International Brotherhood of Electrical Workers. 442,827, June 7; Serial No. 491,329, published Feb. 8, 1949.

Electrical equipment and supplies, telephones and telephone supplies, household appliances. International Brotherhood of Electrical Workers. 442,826, June 7; Serial No. 491,323, published Feb. 3, 1949.

Electronic and lighting devices. Continental Electric Company. 510,481, June 7; Serial No. 502,886, published Feb. 15, 1949.

Fans, Electrical, and portable electrical knife sharpeners. G-M Laboratories, Inc. 510,645, June 7; Serial No. 543,173, published Mar. 1, 1949.

Fire alarm systems, Electrical, electrical police signalling systems, and electrical telephone systems, etc. The Gamewell Company. 300,644, Jan. 31, 1933. Republished June 7.

Fittings and alloys, Metallic. The Cleveland Heater Company. 510,482, June 7; Serial No. 502,946, published Mar. 1, 1949.
Fixtures, Electric-lighting. The Edwin F. Guth Company. 510,514, June 7; Serial No. 527,019, published Feb. 22, 1949.
Fixtures, Electric lighting. The Edwin F. Guth Company. 510,515, June 7; Serial No. 527,024, published Feb. 22, 1949.
Fixtures for electric lights. The Edwin F. Guth Company. 510,516, June 7; Serial No. 527,098, published Mar. 1, 1949.
Fixtures for electric lights. The Edwin F. Guth Company. 510,518, June 7; Serial No. 527,161, published Mar. 1, 1949.
Impregnating or filling compounds. The Okonite-Callender Cable Company, Incorporated. 510,536, June 7; Serial No. 530,114, published Feb. 22, 1949.
Irons, Electric pressing, electric steam irons, electric heating elements or refills, etc. Reimers Electric Appliance Company, Inc. 510,638, June 7; Serial No. 542,189, published Mar. 1, 1949.
Lamps and lighting fixtures, Fluorescent. Electro Manufacturing Corporation. 510,529, June 7; Serial No. 528,917, published Mar. 1, 1949.
Lamps, Incandescent electric. Sylvania Products Company. 254,018, renewed Mar. 12, 1949. O. G. June 7.
Light, Automobile. Wix Accessories Corporation. 510,605, June 7; Serial No. 538,059, published Mar. 1, 1949.
Lighting fixtures, Decorative. Noma Electric Corporation. 254,013, renewed Mar. 12, 1949. O. G. June 7.
Luminaires, Electric, and electric lighting fixtures. The F. W. Wakefield Brass Company. 510,532, June 7; Serial No. 529,509, published Mar. 1, 1949.
Motor and hydraulic coupling drives, Combined electric. Link-Belt Company. 426,024, Jan. 7, 1947. Republished June 7.
Motors, Electric. Urbana Manufacturing Company. 510,686, June 7; Serial No. 547,594, published Feb. 22, 1949.
Motors, generators, motor-generators, Direct and alternating current, etc. Electric Specialty Company Incorporated. 510,589, June 7; Serial No. 536,510, published Feb. 22, 1949.
Phonographs, Electric. Sandwick-Bowen Corporation. 510,497, June 7; Serial No. 523,029, published Mar. 1, 1949.
Plastic articles, Molded. Industrial Molded Products Co., Inc. 510,491, June 7; Serial No. 515,226, published Feb. 22, 1949.
Plugs, Electric attachment. Eagle Electric Mfg. Co., Inc. 342,027, Dec. 29, 1936. Republished June 7.
Radio receiving sets. The Aeolian Company. 510,487, June 7; Serial No. 510,922, published Mar. 1, 1949.
Radio receiving sets and parts thereof. Graybar Electric Company, Inc. 261,080, renewed Sept. 3, 1949. O. G. June 7.
Radio-receiving sets, radio-transmitting sets, television-receiving sets, etc. Eastern Amplifier Corporation. 442,824, June 7; Serial No. 489,950, published Feb. 22, 1949.
Sockets, receptacles, plugs and shade holders, etc. Pass & Seymour, Incorporated. 72,721, re-renewed Feb. 16, 1949. O. G. June 7.
Spark plugs. The Reflex Spark Plug Company. 442,842, June 7; Serial No. 507,937, published Feb. 22, 1949.
Starting apparatus for automobiles, Automatic. The Startomatic Corporation. 257,534, renewed June 11, 1949. O. G. June 7.
Suction cleaners and parts therefor, Electrical domestic and commercial. The Hoover Company. 510,519, June 7; Serial No. 527,225, published Mar. 1, 1949.
Tap clamps, Line, tap connections, grounding sets, etc. A. B. Chance Company. 510,621, June 7; Serial No. 540,383, published Feb. 15, 1940.
Telegraph key with automatic keying relay and monitor, Electronically timed. Electric Eye Equipment Corporation. 510,602, June 7; Serial No. 545,359, published Feb. 8, 1949.
Television receivers. Industrial Television, Inc. 510,680, June 7; Serial No. 547,126, published Feb. 22, 1949.
Television transmitting and receiving apparatus. Diamond Power Specialty Corporation. 510,611, June 7; Serial No. 539,035, published Feb. 22, 1949.
Units or tubes or coils, Electric resistance, electric rheostats, electric motor starters, etc. 510,593, June 7; Serial No. 536,825, published Feb. 15, 1949.
Vacuum cleaners, Electric. Sun Vacuum Stores. 439,814, July 27, 1948. Republished June 7.

CLASS 22

Chalk, Billiard. The Brunswick-Balke-Collender Company. 187,770, Aug. 12, 1924. Republished June 7.
Strings for rackets, Gut. Johnson Suture Corporation. 281,183, Mar. 10, 1931. Republished June 7.
Strings for rackets, Gut. Johnson Suture Corporation. 282,429, Apr. 21, 1931. Republished June 7.
Strings for rackets, Gut. Johnson Suture Corporation. 295,617, July 5, 1932. Republished June 7.
Strings, Racket. Johnson Suture Corporation. 340,345, Nov. 3, 1936. Republished June 7.
Toy horseshoe games. Walbert Manufacturing Company, Inc. 228,749, renewed June 7, 1947. O. G. June 7.

CLASS 23

Agricultural implements. Minneapolis-Moline Power Implement Company. 510,525, June 7; Serial No. 528,359, published Feb. 22, 1949.
Axes, hammers, hatchets, etc. The American Fork and Hoe Company. 510,483, June 7; Serial No. 506,222, published Feb. 22, 1949.
Blades, Razor. Rubie Blade Corporation. 254,440, renewed Mar. 26, 1949. O. G. June 7.
Chains and parts thereof, Power transmission, sprockets and sprocket wheels, etc. Diamond Chain Company, Inc. 510,501, June 7; Serial No. 526,532, published Feb. 22, 1949.
Cleaning machines, etc., Treadle, hand, air, and/or mechanically operated. Gray Company, Inc. 442,825, June 7; Serial No. 490,589, published Feb. 22, 1949.
Composing machines and repair part therefor, Office. R. C. Coshead Corporation. 510,548, June 7; Serial No. 531,653, published Feb. 22, 1949.
Concrete mixing and paving machines. Koehring Company. 510,539, June 7; Serial No. 530,518, published Feb. 22, 1949.
Construction machines. The Jaeger Machine Company. 510,544, June 7; Serial No. 530,937, published Feb. 22, 1949.
Crushers, Bottle. W. Carmel. 510,550, June 7; Serial No. 531,888, published Feb. 15, 1949.
Cutters, Milling. National Twist Drill & Tool Company. 510,575, June 7; Serial No. 535,255, published Feb. 15, 1949.
Deaerator and beverage mixer, Vacuum type liquid. Geo. J. Meyer Manufacturing Co. 412,519, Mar. 13, 1945. Republished June 7.
Devices and implements, Husking. The Boss Manufacturing Company. 42,225, Mar. 8, 1904. Republished June 7.
Dish washing machines and glass washing machines, Electrically powered, electrically powered food mixing machines, etc. G. S. Blakeslee & Co. 510,545, June 7; Serial No. 531,193, published Feb. 22, 1949.
Earth working, construction and industrial equipment. R. G. Le Thourneau, Inc. 510,584, June 7; Serial No. 535,972, published Jan. 25, 1949.
Fertilizer-distributors, stalk cutter and plows, cotton and corn planters, etc. King Plow Company. 352,214, Nov. 23, 1937. Republished June 7.
Fillers, Barrel. Pennsylvania Flexible Metallic Tubing Co. 94,664, Dec. 23, 1913. Republished June 7.
Fire extinguisher valves, Self-contained, valve reseating tools, rethreading dies, etc. The Bastian-Blessing Company. 510,527, June 7; Serial No. 528,680, published Feb. 22, 1949.
Flushing apparatus. Standard Utilities, Inc. 510,505, June 7; Serial No. 526,840, published Feb. 22, 1949.
Frames for carrying printing plates and index tabs. Addressograph-Multigraph Corporation. 510,549, June 7; Serial No. 531,874, published Feb. 22, 1949.
Frames, Hack-saw, hack-saw blades, nail pullers, etc. K-D Manufacturing Company. 510,572, June 7; Serial No. 534,894, published Feb. 15, 1949.
Grinding bodies, Ceramic, and ceramic abrasive bodies. Grefraction Incorporated. 442,862, June 7; Serial No. 528,022, published Feb. 22, 1949.
Holst apparatus, Concrete burial vault. W. W. Haase. 510,533, June 7; Serial No. 530,066, published Feb. 22, 1949.
Implements, Corn husking. The Boss Manufacturing Company. 113,936, Nov. 14, 1916. Republished June 7.
Jacks, Hydraulic lifting. The Joyce-Cridland Co. 510,587, June 7; Serial No. 536,094, published Feb. 15, 1949.
Knives, Pocket. H. Boker & Co., Inc. 442,857, June 7; Serial No. 522,391, published Feb. 22, 1949.
Knives, Steak. Gerber Legendary Blades. 510,568, June 7; Serial No. 534,622, published Feb. 15, 1949.
Machetes. O. B. Hirsch Co. Inc. 510,673, June 7; Serial No. 546,448, published Feb. 8, 1949.
Machine-tools. Société Genevoise D'Instruments De Physique. 442,838, June 7; Serial No. 503,766, published Feb. 22, 1949.
Machines and equipment, Food processing. Chain Belt Company. 510,478, June 7; Serial No. 487,308, published Feb. 22, 1949.
Machines for cleaning track ballast. Nordberg Manufacturing Company. 431,629, July 29, 1947. Republished June 7.
Machines for preparing, tilling and cultivating soil. Ariens Company. 510,552, June 7; Serial No. 532,190, published Feb. 22, 1949.
Mechanisms, Lifting. The Joyce-Cridland Co. 510,586, June 7; Serial No. 536,093, published Feb. 22, 1949.
Openers, Can, jar openers and knife sharpeners. Steel Products Manufacturing Company. 510,585, June 7; Serial No. 536,006, published Feb. 15, 1949.
Pickers, Cotton, cotton harvesters, and parts thereof. International Harvester Company. 510,480, June 7; Serial No. 494,973, published Feb. 8, 1949.
Plows, Rotary. Climax Industries, Inc. 510,531, June 7; Serial No. 529,438, published Jan. 4, 1949.
Pumps. Red Jacket Manufacturing Co. 379,364, July 9, 1940. Republished June 7.
Refueling systems, Portable and stationary aircraft. The Wayne Pump Company. 510,494, June 7; Serial No. 519,846, published Feb. 22, 1949.

Rolls, crushers, pulverisers, etc. American Car and Foundry Company. 439,727, July 13, 1948. Republished June 7.
Scrapes, Agricultural. King Plow Company. 352,390, Nov. 30, 1937. Republished June 7.
Screw machine products. U. S. Automatic Corporation. 442,822, June 7; Serial No. 460,460, published Jan. 18, 1949.
Sealing machines. Qolk-Seal, Inc. 510,528, June 7; Serial No. 528,817, published Feb. 22, 1949.
Shafts of metal, Flexible, flexible shaft cutting, polishing, and abrading tools, rotary bole cutters, etc. Wynenbeek & Staff, Inc. 510,523, June 7; Serial No. 527,657, published Feb. 22, 1949.
Snaths, Scythe. Sta-Tite Snath Company. 510,648, June 7; Serial No. 542,677, published Feb. 8, 1949.
Spatula, Rotatable. P. Grancell. 510,554, June 7; Serial No. 532,288, published Feb. 22, 1949.
Spatulas. Spir-It, Inc. 442,847, June 7; Serial No. 515,466, published Feb. 22, 1949.
Speed reducers, Variable gear and belt. Stephens-Adamson Mfg. Co. 442,858, June 7; Serial No. 523,838, published Jan. 18, 1949.
Take-ups, screw take-ups, and parts thereof. Link-Belt Company. 280,761, Feb. 24, 1931. Republished June 7.
Tools, Flexible cable type portable, hand manipulated. Spartan Tool Company. 442,837, June 7; Serial No. 503,332, published Feb. 22, 1949.
Tools, Hand actuated. Rite Tool, Inc. 510,486, June 7; Serial No. 509,471, published Feb. 22, 1949.
Tools, Oil well. Eastman Oil Well Survey Company. 510,485, June 7; Serial No. 507,674, published Feb. 22, 1949.
Tractors. Deere & Company. 442,833, June 7; Serial No. 501,902, published Feb. 22, 1949.
Tractors. The General Tractor Company. 262,919, renewed Feb. 19, 1949. O. G. June 7.
Twisters, Bale tie, tag dispensers, baling presses, etc. Wurzburg Brothers. 439,372, June 22, 1948. Republished June 7.
Washers for metal cleaning, Power spray. Phillips Manufacturing Company. 442,841, June 7; Serial No. 506,195, published Feb. 8, 1949.
Water systems, pumps, etc. Red Jacket Manufacturing Co. 370,044, Aug. 15, 1939. Republished June 7.
Water systems, pumps, water well accessories, etc. Red Jacket Manufacturing Co. 880,854, Aug. 26, 1941. Republished June 7.
Well-pumps, well-pump pipes, well-pump-pipe couplings, and cylinders for well-pumps. Red Jacket Manufacturing Co. 90,838, Mar. 25, 1913. Republished June 7.
Wheels, Sprocket. Link-Belt Company. 204,153, Oct. 6, 1925. Republished June 7.
Wire slack pullers, Quick-release portable, portable-adjustable reel machines, lamp changers, etc. W. N. Matthews Corporation. 510,517, June 7; Serial No. 527,150, published Jan. 18, 1949.

CLASS 24

Cover, Ironing board. Stadham Company, Inc. 431,530, July 22, 1947. Canceled. O. G. June 7.
Ironing board, Folding. Washington Missionary College. 510,610, June 7; Serial No. 538,478, published Feb. 1, 1949.
Ironing tables, Ironing table pad and cover sets, and clothes drying racks. The J. R. Clark Company. 510,538, June 7; Serial No. 530,374, published Mar. 1, 1949.
Laundry appliances and machines, Gas. American Gas Association, Inc. 510,770, June 7; Serial No. 536,865, published Mar. 1, 1949.
Laundry machinery and equipment. Devere Company. 510,496, June 7; Serial No. 521,119, published Mar. 1, 1949.
Streichers, Curtain. Worldsbest Industries, Inc. 510,704, June 7; Serial No. 532,896.
Washboards. Victory Engineering & Machine Works, Inc. 510,667, June 7; Serial No. 545,018, published Mar. 1, 1949.

CLASS 25

Safes. Herring-Hall-Marvin Safe Company. 70,869, re-renewed Aug. 25, 1948. O. G. June 7.
Safes. Herring-Hall-Marvin Safe Company. 70,411, re-renewed Aug. 25, 1948. O. G. June 7.

CLASS 26

Cameras, photographic films on spools, etc. Gevaert Photo Producten. 162,250–2, renewed Dec. 12, 1942. O. G. June 7.
Cameras, photographic films on spools, etc. Gevaert Photo-Producten. 165,667–9, renewed Mar. 20, 1943. O. G. June 7.
Cameras, photographic films on spools, etc. Gevaert Photo Producten. 166,000, renewed Mar. 27, 1943. O. G. June 7.
Cameras, photographic films on spools, etc. Gevaert Photo Producten. 166,053, renewed Mar. 27, 1943. O. G. June 7.
Immersion apparatus, Automatic. The Technicon Co. 510,831, June 7; Serial No. 517,981, published Mar. 1, 1949.

Lens, Reading. Dayton Scale Company. 259,937, renewed Aug. 13, 1949. O. G. June 7.
Lenses, Opthalmic. Continental Optical Company. 250,418, renewed July 30, 1949. O. G. June 7.
Photographic films on spools, film packs, etc. Gevaert Photo-Producten. 165,756, renewed Mar. 20, 1943. O. G. June 7.
Photographic papers, Sensitized. Gevaert Photo-Producten. 190,178, renewed Oct. 7, 1944. O. G. June 7.

CLASS 28

Chains for personal adornment. Forstner Chain Corporation. 144,393–4, July 5, 1921. Republished June 7.
Chains, Key, watch chains, tie holders, etc. Forstner Chain Corporation. 849,267, Aug. 24, 1937. Republished June 7.
Tableware, Silver plated. The Dime Silver Club, Inc. 510,803, June 7; Serial No. 540,135.

CLASS 29

Mops. The Brunswick-Balke-Collender Company. 344,684, Mar. 30, 1937. Republished June 7.

CLASS 30

Articles of chinaware, crockery, pottery, etc. Spaulding & Company. 442,832, June 7; Serial No. 500,841, published Feb. 15, 1949.

CLASS 31

Cases, Refrigerated display, and produce cases, etc. Sherer-Gillett Company. 364,102, Jan. 17, 1939. Republished June 7.
Refrigerated rooms, Low temperature walk-in. Wilson Cabinet Co., Inc. 510,815, June 7; Serial No. 553,330.
Refrigerated rooms, Normal temperature walk-in. Wilson Cabinet Co., Inc. 510,813, June 7; Serial No. 553,328.
Refrigerators, Bakers' Sherer-Gillett Company. 346,130, May 18, 1937. Republished June 7.
Refrigerators, Low temperature reach-in. Wilson Cabinet Co., Inc. 510,814, June 7; Serial No. 553,329.
Refrigerators, Normal temperature reach-in. Wilson Cabinet Co., Inc. 510,812, June 7; Serial No. 553,327.
Water systems, pumps, etc. Red Jacket Manufacturing Co. 370,044, Aug. 15, 1939. Republished June 7.

CLASS 32

Furniture, Upholstered. Jamestown-Royal Upholstery Corp. 329,566, Nov. 5, 1935. Republished June 7.
Tables, End, breakfast tables, drop-leaf tables, etc. The Buckstaff Company. 254,906, renewed Apr. 2, 1949. O. G. June 7.

CLASS 33

Crystals, Watch. American Perfit Crystal Corporation. 510,618, June 7; Serial No. 539,616, published Feb. 22, 1949.

CLASS 34

Heaters, Gas, oil, and vapor burning water, etc. The Cleveland Heater Company. 254,650, renewed Mar. 26, 1940. O. G. June 7.
Heaters, Water. Southern Heater Corporation. 510,585, June 7; Serial No. 532,355, published Jan. 18, 1949.

CLASS 35

Belting, Flat leather. J. E. Rhoads & Sons. 510,597, June 7; Serial No. 537,241, published Mar. 1, 1949.
Belting, Leather. Holyoke Belting Company. 434,276, Nov. 18, 1947. Republished June 7.
Belting, Transmission. B. L. Jerry. 510,725, June 7; Serial No. 553,264, published Mar. 1, 1949.
Gaskets. Victor Manufacturing & Gasket Co. 510,774, June 7; Serial No. 480,888.
Hose and flange and joint sheet packing. Quaker Rubber Corporation. 510,732, June 7; Serial No. 554,604, published Feb. 22, 1949.
Hose, Flexible. Tecalemit Limited. 510,659, June 7; Serial No. 544,931, published Mar. 1, 1949.
Hose, Rubber fabric or metal reinforced or jacketed. Continental Rubber Works. 510,708, June 7; Serial No. 550,897, published Mar. 1, 1949.
Materials for the manufacturing of gasketing. Products Research Co. 510,735, June 7; Serial No. 556,014, published Mar. 1, 1949.
Piston rings. Antajen Industries, Limited. 438,945, May 18, 1948. Republished June 7.
Tires and tubes, Automobile. Vanderbilt Tire & Rubber Corp. 510,800, June 7; Serial No. 543,342.

CLASS 36

Accordions. C. G. Conn, Ltd. 510,614, June 7; Serial No. 539,897, published Mar. 1, 1949.
Accordions. Trademarte. 510,598, June 7; Serial No. 537,256, published Mar. 8, 1949.
Guitars, mandolins, violins, banjos, etc. Gibson Incorporated. 510,594, June 7; Serial No. 536,891, published Mar. 8, 1949.
Instruments, Musical, various sound-emitting, and percussion, parts thereof and attachments therefor. C. G. Conn, Ltd. 510,583, June 7; Serial No. 529,628, published Feb. 8, 1949.

Instruments, Woodwind, brass, and reed musical, etc. Carl Fischer, Inc. 250,862, renewed Dec. 18, 1948. O. G. June 7.
Needles, Phonograph. The Boye Needle Company. 510,620, June 7; Serial No. 529,806, published Feb. 22, 1949.
Pianos. C. G. Conn, Ltd. 510,566, June 7; Serial No. 537,012, published Mar. 1, 1949.
Pianos. Kohler & Campbell, Inc. 510,676, June 7; Serial No. 546,709, published Mar. 8, 1949.
Recordings, Grooved musical. W. R. Quinn. 442,844, June 7; Serial No. 512,795, published Feb. 22, 1949.
Recordings, Mechanically grooved musical. D. Lane. 510,562, June 7; Serial No. 536,621, published Feb. 22, 1949.
Records, Mechanically grooved phonograph. Modern Melodies, Inc. 510,575, June 7; Serial No. 534,911, published Feb. 22, 1949.
Records, Mechanically grooved phonograph, and phonograph record albums. Raxor Corporation. 510,656, June 7; Serial No. 544,765, published Feb. 22, 1949.
Records, Mechanically grooved sound. National Broadcasting Company, Inc. 510,630, June 7; Serial No. 541,322, published Mar. 8, 1949.

CLASS 37

Boxboard. Empire Box Corporation of Delaware. 316,936, Sept. 11, 1934. Republished June 7.
Napkins, Paper. The Menasha Products Company. 258,736, renewed May 21, 1949. O. G. June 7.
Napkins, Paper. The Menasha Products Company. 267,864, renewed June 4, 1949. O. G. June 7.
Paper, Printing. Oxford Paper Company. 254,870, renewed Apr. 2, 1949. O. G. June 7.
Paper, Toilet. Albany Perforated Wrapping Paper Company. 250,814, renewed Dec. 16, 1948. O. G. June 7.
Paper, Toilet, and writing tablets. A. Kickbusch Grocery Company. 262,534, Oct. 15, 1929. Republished June 7.
Paper, Wrapping, shelving paper, wrapping tissue, etc. The Menasha Products Company. 256,776, renewed July 16, 1949. O. G. June 7.
Papeteries, writing paper, correspondence paper, etc. Southwest Tablet Manufacturing Company. 201,337, July 21, 1926. Republished June 7.
Pencils, Lead. American Lead Pencil Company. 74,114, re-renewed June 22, 1949. O. G. June 7.
Tissues, Facial. Sitroux, Inc. 421,155, May 21, 1946. Republished June 7.
Tissues, Facial, and paper make-up capes. Tissue Brands, Inc. 326,097, July 16, 1935. Republished June 7.

CLASS 38

Catalog, Trade. S-M-S Corporation. 510,681, June 7; Serial No. 547,153, published Feb. 15, 1949.
House organ. McGraw-Hill Publishing Company, Inc. 510,724, June 7; Serial No. 552,997, published Feb. 8, 1949.
Magazine, Legal. The American Law Book Company. 510,739, June 7; Serial No. 522,027.
Newspaper, Daily. The Times Publishing Company, Inc. 227,871, May 17, 1927. Republished June 7.
Publication, Annual. Gillette Publishing Company. 442,872, June 7; Serial No. 523,520.

CLASS 39

Anklets or bobby socks and men's, women's, and children's hosiery. Moore Mills Inc. 510,778, June 7; Serial No. 454,577.
Blouses, Middy, ladies', children's, and misses' dresses; knickers, etc. Goldman-Baer Company. 257,220, renewed June 4, 1949. O. G. June 7.
Boots and shoes, Leather. Roberts Johnson & Rand Shoe Company. 73,664, re-renewed May 11, 1949. O. G. June 7.
Boots and shoes of leather. International Shoe Co. 258,435, renewed July 9, 1949. O. G. June 7.
Boots, shoes, and slippers, Women's. Gregory & Read Company. 306,733, Dec. 19, 1933. Republished June 7.
Brassières. Reid Mfg. Co. 252,399, renewed Feb. 5, 1949. O. G. June 7.
Clothing, Men's and boys'. Woolf Brothers, Inc. 258,393, renewed July 9, 1949. O. G. June 7.
Coats, suits, pants, etc., for men and boys, etc. Arkwright Merchandising Corporation. 303,765, June 6, 1933. Republished June 7.
Dresses and suits, Ladies'. Lipman Bros. 371,998, Oct. 17, 1939. Republished June 7.
Dresses, Misses' and women's. N. Gollomp & Sons. 415,718, Aug. 14, 1946. Canceled. O. G. June 7.
Garments, Women's. William Hollins and Company, Limited. 74,515, re-renewed July 20, 1949. O. G. June 7.
Girdles, foundation garments, bandeaux and brassières. Munsingwear, Inc. 305,220, Mar. 8, 1938. Republished June 7.
Gloves and mittens. The Boss Manufacturing Company. 42,199, Mar. 8, 1904. Republished June 7.
Gloves and mittens. The Boss Manufacturing Company. 87,161, July 2, 1912. Republished June 7.
Gloves and mittens. The Boss Manufacturing Company. 114,219, Dec. 5, 1916. Republished June 7.
Gloves and mittens. The Boss Manufacturing Company. 194,413, Jan. 27, 1925. Republished June 7.
Gloves and mittens. The Boss Manufacturing Company. 210,819, Mar. 23, 1926. Republished June 7.
Gloves and mittens, Fabric and leather working. The Boss Manufacturing Company. 189,372, Sept. 18, 1924. Republished June 7.
Gowns, Women's sleeping, and sleeping pajamas. Munsingwear, Inc. 437,204, Mar. 9 1946. Republished June 7.
Hats. Dunlap & Co. 176,834, Dec. 4, 1923. Republished June 7.
Hats. Knox Hat Company, Inc. 170,820, July 24, 1923. Republished June 7.
Hats and caps. Knox Hat Company, Inc. 104,221, May 11, 1915. Republished June 7.
Hats and caps for men. Knox Hat Company, Inc. 246,260, Sept. 4, 1928. Republished June 7.
Hats for men. Hat Corporation of America. 367,212, May 9, 1939. Republished June 7.
Hats for men and women. The Crofut & Knapp Co. 234,609, Nov. 1, 1927. Republished June 7.
Hats for men and women. Hat Corporation of America. 305,702, Aug. 22, 1933. Republished June 7.
Hats for men and women. Hat Corporation of America. 318,089, Oct. 16, 1934. Republished June 7.
Hats for men and women. Hat Corporation of America. 324,229, May 14, 1935. Republished June 7.
Hats for men and women. Hat Corporation of America. 336,542, July 7, 1936. Republished June 7.
Hats for men and women. Hat Corporation of America. 355,402, Mar. 15, 1938. Republished June 7.
Hats for men and women. Hat Corporation of America. 385,636, Mar. 11, 1941. Republished June 7.
Hats for men and women. Hat Corporation of America. 393,635, Feb. 24, 1942. Republished June 7.
Hats for men and women. Hat Corporation of America. 438,476, Apr. 20, 1948. Republished June 7.
Hats for men and women. Hodshon-Berg, Incorporated. 204,496, May 31, 1932. Republished June 7.
Hats for men and women, Felt and fabric. Hat Corporation of America. 342,551, Jan. 19, 1937. Republished June 7.
Hats for men, Felt. Hat Corporation of America. 328,730, Oct. 1, 1935. Republished June 7.
Hats, Ladies' and children's. J. & K. Connor, Limited. 255,163, renewed Apr. 16, 1949. O. G. June 7.
Hats, Ladies' and misses'. Consolidated Millinery Company. 251,317, Jan. 1, 1929. Republished June 7.
Hats, Straw, and felt hats. Dunlap & Co. 180,056, Feb. 19, 1924. Republished June 7.
Headwear. The Crofut & Knapp Co. 287,266, Sept. 15, 1931. Republished June 7.
Hosiery. Carter Dry Goods Co. 248,090, Oct. 16, 1928. Republished June 7.
Hosiery. Contour Hosiery Mills. 357,615, June 7, 1938. Republished June 7.
Hosiery. Wayne Knitting Mills. 248,637, Oct. 23, 1928. Republished June 7.
Hosiery and underwear. The Munsingwear Corporation. 147,373, Oct. 11, 1921. Republished June 7.
Hosiery, Men's, and women's, and children's. L. Bamberger & Co. 256,764, renewed May 21, 1949. O. G. June 7.
Hosiery, Women's. Hanes Associated Mills, Inc. 370,883, Sept. 12, 1939. Republished June 7.
Hosiery, Women's and children's. Julius Kayser & Co. 258,162, renewed June 25, 1949. O. G. June 7.
Nightgowns, Women's. Munsingwear, Inc. 431,480–1, July 22, 1947. Republished June 7.
Pajamas, Women's. Munsingwear, Inc. 430,648, June 17, 1947. Republished June 7.
Panties, Women's and girls'. Munsingwear, Inc. 433,438, Oct. 14, 1947. Republished June 7.
Rainhats. A. Reinsberg. 429,855, May 20, 1947. New certificate. O. G. June 7.
Scarves and handkerchiefs, Ladies'. Davis & Catterall. 439,750, July 20, 1948. Republished June 7.
Shirts, Men's and boys' cotton, silk, wool and flannel negligee, work, and dress, overalls, etc. H. J. Holman & Sons Inc. 240,479, Mar. 27, 1928. Republished June 7.
Shirts, Men's and boys' knit polo, knit pajamas, knit T-shirts, etc. H. A. James. 440,131, Aug. 10, 1948. Republished June 7.
Shirts, Men's dress, work shirts, under shirts, etc. E. K. Greenberger. 340,338, Nov. 3, 1936. New certificate. O. G. June 7.
Shirts, Negligee. Kaufmann Department Stores, Inc. 250,317, Dec. 4, 1928. Republished June 7.
Shoes. L. Bamberger & Co. 255,167, renewed Apr. 16, 1949. O. G. June 7.
Shoes, Women's. Sherwood Shoe Company. 324,330, May 14, 1935. Republished June 7.
Sleeper suits, Children's one-piece. R. W. Wilson. 510,786, June 7; Serial No. 519,612.
Underwear and outer shirts, Men's and boys'. Munsingwear, Inc. 418,558, Jan. 1, 1946. Republished June 7.
Underwear, Children's and young ladies'. Doris Miller, Inc. 431,521, July 22, 1947. Canceled. O. G. June 7.
Underwear, Men's. Munsingwear, Inc. 377,217, Apr. 23, 1940. Republished June 7.
Underwear, Women's and misses'. The Munsingwear Corporation. 296,163, July 26, 1932. Republished June 7.
Wearing apparel. Hat Corporation of America. 324,141, May 14, 1935. Republished June 7.
Wearing apparel. Hat Corporation of America. 351,978, Nov. 16, 1937. Republished June 7.

Wearing apparel. Hat Corporation of America. 412,772, Mar. 27, 1945. Republished June 7.

CLASS 40

Braid for use in men's hats, Straw. R. H. Comey Companies Consolidated. 245,995, Aug. 28, 1928. Republished June 7.
Braids, Dyed and bleached. R. H. Comey Companies Consolidated. 245,919, Aug. 28, 1928. Republished June 7.
Clasps, Hair. Sta-Rite Glenie-Lou, Inc. 510,816, June 7; Serial No. 555,777.
Combs. Peerless Products Company. 510,775, June 7; Serial No. 500,568.
Combs, Hair straightening. I. Schoenwald. 510,776, June 7; Serial No. 501,946.
Pads, Shoulder. E. Z. Thread Company. 510,781, June 7; Serial No. 510,580.
Pins, Common, shoe laces, crochet hooks, etc. Marshall Field & Company. 201,417, July 28, 1925. Republished June 7.
Pins, Knitting. The Boye Needle Company. 510,806, June 7; Serial No. 550,379.
Straps, Shoulder. R. G. Barry Corp. 510,810, June 7; Serial No. 552,912.

CLASS 42

Blankets, Textile. Carter Dry Goods Co. 251,324, Jan. 1, 1929. Republished June 7.
Canvas, Tobacco. Carter Dry Goods Company, Inc. 248,994, Nov. 6, 1928. Republished June 7.
Cloth, Billiard. The Brunswick-Balke-Collender Company. 204,531, Oct. 20, 1925. Republished June 7.
Cloth, Billiard. The Brunswick-Balke-Collender Company. 212,477, May 4, 1926. Republished June 7.
Cloth, Billiard. The Brunswick-Balke-Collender Company. 220,818, Nov. 15, 1926. Republished June 7.
Cloth, Billiard. The Brunswick-Balke-Collender Company. 406,445, Apr. 4, 1944. Republished June 7.
Cloth, Billiard table. The Brunswick-Balke-Collender Company. 389,502, Aug. 5, 1941. Republished June 7.
Cloth covering. H. Kohnstamm & Co. 130,337, Feb. 1, 1921. Republished June 7.
Cover cloth, Heat resistant. H. Kohnstamm & Co., Inc. 437,335, Mar. 16, 1946. Republished June 7.
Curtains, Window. Pilgrim Curtain Co., Inc. 510,793, June 7; Serial No. 531,944.
Fabrics, Knitted. Mills, Barbet, Incorporated. 502,971, Oct. 12, 1948. Canceled. O. G. June 7.
Fabrics of nylon. Blue Ridge Textile Co., Inc. 510,738, June 7; Serial No. 556,243, published Mar. 1, 1949.
Percales in the piece. Carter Dry Goods Co. 171,452, Aug. 7, 1923. Republished June 7.
Piece goods, Cotton. Carter Dry Goods Co. 244,414, July 17, 1928. Republished June 7.
Piece goods, Cotton, and muslins in the piece. Carter Dry Goods Company. 242,786, June 5, 1928. Republished June 7.
Piece goods, Woolen. Wawak Company, Inc. 510,730, June 7; Serial No. 554,055, published Mar. 1, 1949.
Sheets, pillowcases and blankets. Pepperell Manufacturing Company. 510,672, June 7; Serial No. 546,237, published Mar. 1, 1949.
Sheets, pillow cases, and sheetings. Wm. T. Knott Company, Inc. 252,765, renewed Feb. 12, 1949. O. G. June 7.
Textile fabrics in the piece. B. B. Fuller Co., Inc. 510,819, June 7; Serial No. 566,605.

CLASS 43

Cotton, Sewing. R. F. & J. Alexander & Company Limited. 106,923, Nov. 9, 1915. Republished June 7.
Thread. A. H. Rice Co. 258,143, renewed June 25, 1949. O. G. June 7.
Threads in balls, Sewing cotton. R. F. & J. Alexander & Company Limited. 301,070, Feb. 14, 1933. Republished June 7.

CLASS 44

Absorbent cotton and gauze. Lieter Sorgical Company. 79,893, Sept. 22, 1906. Republished June 7.
Absorbent cotton, Felted. Johnson & Johnson. 52,956, May 22, 1906. Republished June 7.
Bandages. Johnson & Johnson. 213,391, May 25, 1926. Republished June 7.
Bandages for orthopedic use. Johnson & Johnson. 196,666, Mar. 24, 1925. Republished June 7.
Bandages, Suspensory. Johnson & Johnson. 54,235, June 26, 1906. Republished June 7.
Bandages, Suspensory. Johnson & Johnson. 60,328, Feb. 5, 1907. Republished June 7.
Bandaging material, Prepared. Johnson & Johnson. 306,367, Sept. 19, 1933. Republished June 7.
Cases, First-aid. Johnson & Johnson. 98,067, June 30, 1914. Republished June 7.
Denture material, Methyl methacrylate. Denseo, Incorporated. 510,809, June 7; Serial No. 552,307.
Dressings, Surgical. Johnson & Johnson. 49,282, Jan. 30, 1906. Republished June 7.
Dressings, Surgical. Johnson & Johnson. 56,268, Sept. 4, 1906. Republished June 7.
Dressings, Surgical. Johnson & Johnson. 211,176, Apr. 6, 1926. Republished June 7.
Dressings, Surgical. Johnson & Johnson. 226,931, Apr. 26, 1927. Republished June 7.
Dressings, Surgical. Johnson & Johnson. 290,476, Jan. 5, 1932. Republished June 7.
Dressings, Surgical. Johnson & Johnson. 406,916, May 9, 1944. Republished June 7.
Dressings, Surgical. Johnson & Johnson. 407,177, May 23, 1944. Republished June 7.
Dressings, Surgical, adhesive plasters, sputum-cups, etc. Johnson & Johnson. 92,678, July 22, 1913. Republished June 7.
Dressings, Surgical, etc. Johnson & Johnson. 96,680, Apr. 28, 1914. Republished June 7.
Dressings, Surgical, surgical sponges, and surgical packs. Johnson & Johnson. 437,676, Mar. 30, 1948. Republished June 7.
File sticks. P. S. Murphy & Co., Inc. 510,799, June 7; Serial No. 542,330.
Generating apparatus used for therapeutic purposes, Short wave current. Harper and Kensell. 510,772, June 7; Serial No. 482,533.
Legs, Artificial. Bardach & Schoene Co., Inc. 510,796, June 7; Serial No. 541,752.
Ligatures. Johnson & Johnson. 270,970, May 20, 1930. Republished June 7.
Ligatures and sutures and needles therefor. Johnson & Johnson. 409,616, Oct. 10, 1944. Republished June 7.
Pads, Adhesive unmedicated felt corn. The Scholl Mfg. Co., Inc. 369,960, Aug. 8, 1939. Republished June 7.
Pads and plasters for corns, bunions, and callouses. Scholl Manufacturing Company, Inc. 224,953, Mar. 8, 1927. Republished June 7.
Permanent wave kit, Cold. H. H. Tanner. 442,871, June 7; Serial No. 516,179.
Plaster, Adhesive. Johnson & Johnson. 320,112, Dec. 18, 1934. Republished June 7.
Plaster, Adhesive. Johnson & Johnson. 380,506, Aug. 20, 1940. Republished June 7.
Plasters. Johnson & Johnson. 49,280, Jan. 30, 1906. Republished June 7.
Plasters, Adhesive. Johnson & Johnson. 208,532, Feb. 2, 1926. Republished June 7.
Plasters, Medicinal and adhesive. J. Ellwood Lee Company. 56,523, Oct. 2, 1906. Republished June 7.
Sanitary napkins. Chicopee Manufacturing Corporation. 215,220, July 13, 1926. Republished June 7.
Sanitary napkins. Johnson & Johnson. 188,120, Aug. 19, 1924. Republished June 7.
Sanitary napkins. Johnson & Johnson. 417,688, Nov. 13, 1945. Republished June 7.
Strips, Adhesive. Derma Products. 409,942, Oct. 31, 1944. Republished June 7.
Tapes, Adhesive surgical. Industrial Tape Corporation. 428,860, Apr. 8, 1947. Republished June 7.

CLASS 45

Ginger-ale, sarsaparilla, lemon-soda, etc. Water Delivery Company. 84,705, Dec. 26, 1911. Republished June 7.
Water, Natural spring. T. W. Hardison. 389,052, July 22, 1941. Republished June 7.

CLASS 46

Bacon. The William Davies Company, Limited. 130,695, May 4, 1920. Republished June 7.
Bacon. Swift Canadian Company, Limited. 246,454, renewed Oct. 23, 1948. O. G. June 7.
Beef, Sliced, summer-sausage, sliced cooked ham, etc. John Morrell & Company Limited. 74,557, re-renewed July 20, 1949. O. G. June 7.
Binder for sausage and sausage meats. Dan Perkins Company. 510,777, June 7; Serial No. 508,662.
Binder for sausage and sausage meats. Dan Perkins Company. 510,778, June 7; Serial No. 508,607.
Butter. Valley Flower Co-operative Creamery Co. 258,909, renewed July 16, 1949. O. G. June 7.
Butter and eggs. National Tea Co. 510,527, June 7; Serial No. 530,238, published Mar. 1, 1949.
Cake mix. H. C. Brill Company, Inc. 261,267, renewed Sept. 10, 1929. O. G. June 7.
Candies. James Brothers. 183,364, Apr. 29, 1924. Republished June 7.
Candies and ice cream. James Brothers. 184,690, May 27, 1924. Republished June 7.
Candy. The Euclid Underwriting Corporation. 418,404, Dec. 18, 1945. Republished June 7.
Candy. James Brothers. 184,689, May 27, 1924. Republished June 7.
Canned dog food. Doyle Packing Company. 510,553, June 7; Serial No. 544,428, published Feb. 22, 1949.
Canned fish, canned fruits, evaporated canned milk, etc. Twin City Wholesale Grocer Co. 510,641, June 7; Serial No. 542,422, published Feb. 15, 1949.
Canned fruit and vegetables. Mor-Pac Preserving Corporation. 403,926, Oct. 26, 1942. Republished June 7.
Canned fruits and fruit juices for food-flavoring purposes. Hawaiian Pineapple Company, Ltd. 256,965, renewed May 25, 1949. O. G. June 7.
Canned fruits, canned vegetables, canned fish, etc. Twin City Wholesale Grocer Co. 510,736, June 7; Serial No. 535,903, published Feb. 1, 1949.
Canned fruits, vegetables, applesauce, etc. H. P. Lau Co. 510,651, June 7; Serial No. 532,139, published Mar. 1, 1949.

Canned pork product. John Morrell & Co. 439,173, June 8, 1948. Republished June 7.
Canned sardines. Seacoast Canning Company. 89,149, Nov. 12, 1912. Republished June 7.
Canned table syrups. Shreveport Syrup Company, Inc. 259,653, renewed Aug. 6, 1949. O. G. June 7.
Canned vegetables. The Houghland Packing Co., Inc. 510,566, June 7; Serial No. 533,894, published Mar. 1, 1949.
Canned vegetables. Oconomowoc Canning Company. 249,772, Nov. 20, 1928. Republished June 7.
Canned vegetables and canned tomato juice. The Winorr Canning Company. 510,660, June 7; Serial No. 544,953, published Feb. 22, 1949.
Canned vegetables, canned berries, and jams. Pappas, Clement & Co. 510,547, June 7; Serial No. 531,358, published Jan. 1, 1949.
Chocolate syrup. J. Hungerford Smith Co. 256,207, renewed May 7, 1949. O. G. June 7.
Cocoanut oil, Hydrogenated whole. The Capital City Products Company. 510,657, June 7; Serial No. 544,848, published Feb. 22, 1949.
Coconut, Shredded. Far Eastern Manufacturing Co. 510,548, June 7; Serial No. 531,320, published Feb. 22, 1949.
Coffee, Blended, and peanut butter. The Canby, Ach & Canby Co. 258,251, renewed July 2, 1949. O. G. June 7.
Concentrates, Fruit, essences, essential oils, and synthetic flavors for use in flavoring extracts. H. Kohnstamm & Co. 100,841, Oct. 27, 1914. Republished June 7.
Confections. James', Inc. 290,903, Jan. 19, 1932. Republished June 7.
Confections. James', Inc. 366,781, May 2, 1939. Republished June 7.
Dates. Smyrna Imports Co. Inc. 442,860, June 7; Serial No. 523,432, published Feb. 22, 1949.
Extracts for foods, Flavoring. H. Kohnstamm & Co. 103,818, Apr. 13, 1915. Republished June 7.
Extracts for foods, Flavoring. H. Kohnstamm & Co. 103,856, Apr. 20, 1915. Republished June 7.
Extract for foods, Flavoring. H. Kohnstamm & Co. 125,747, June 10, 1919. Republished June 7.
Extract for foods, Flavoring. H. Kohnstamm & Co. 130,780, May 4, 1920. Republished June 7.
Feed, Chick. Staley Milling Company. 427,548, Feb. 11, 1947. Republished June 7.
Feed, Hog and pig. Staley Milling Company. 434,203, Nov. 11, 1947. Republished June 7.
Feeds, Livestock and poultry. Allied Mills, Inc. 317,588, Oct. 2, 1934. Republished June 7.
Feeds, Poultry. Dixie Mills Company. 387,302, May 13, 1941. Republished June 7.
Fillings, Pie. Jos. Middleby, Jr., Inc. 85,463, Feb. 20, 1912. Republished June 7.
Flour, Hard wheat. Chickasha Milling Company. 510,576, June 7; Serial No. 535,482, published Feb. 22, 1949.
Flour, Pancake. The Colorado Milling & Elevator Co. 387,397, May 13, 1941. Republished June 7.
Flour, Self rising. Cherokee Mills. 237,270, Jan. 3, 1928. Republished June 7.
Flour, Self-rising. Cherokee Mills. 237,844, Jan. 17, 1928. Republished June 7.
Flour, Self-rising. The Colorado Milling & Elevator Co. 311,949, Apr. 10, 1934. Republished June 7.
Flour, Wheat. The Colorado Milling & Elevator Co. 222,257, Dec. 28, 1926. Republished June 7.
Flour, Wheat. The Colorado Milling & Elevator Co. 268,980, Mar. 25, 1930. Republished June 7.
Flour, Wheat. The Colorado Milling & Elevator Co. 289,581, Dec. 1, 1931. Republished June 7.
Flour, Wheat. Pillsbury Flour Mills Company. 254,822, renewed Apr. 2, 1949. O. G. June 7.
Flour, Wheat, prepared wheat flour, corn meal, etc. Plant Flour Mills Company. 242,470, May 22, 1928. Republished June 7.
Flour, Whole wheat, whole wheat meal, whole corn meal, etc. Elam Mills, Inc. 510,639, June 7; Serial No. 542,216, published Feb. 22, 1949.
Food, Dog. Hill Packing Company. 510,577-8, June 7; Serial No. 535,526-7, published Feb. 22, 1949.
Food, Dog. The Kennel Food Supply Company, Incorporated. 510,805, June 7; Serial No. 549,733.
Food for animals of the dog family. National Canine Products, Inc. 442,863, June 7; Serial No. 525,233, published Feb. 22, 1949.
Food, Hog. Cudahy Brothers Co. 510,790, June 7; Serial No. 522,087.
Food, Prepared baby. The Quaker Oats Company. 510,541, June 7; Serial No. 530,681, published Feb. 22, 1949.
Food products. Tolerton & Warfield Company. 259,280, renewed July 30, 1949. O. G. June 7.
Foods, Cattle. British Glues & Chemicals Limited. 254,896, renewed Apr. 2, 1949. O. G. June 7.
Foods, Livestock. John W. Eshelman & Sons. 242,462-3, May 22, 1928. Republished June 7.
Foods, Poultry, and livestock foods. John W. Eshelman & Sons. 242,461, May 22, 1928. Republished June 7.
Fruit, Fresh citrus. Sunflower Packing Corp. 347,265, June 22, 1937. Republished June 7.
Fruit, Fresh citrus. Sunflower Packing Corp. 397,842, Sept. 22, 1942. Republished June 7.
Fruits, Fresh citrous. Lee County Packing Company. 176,253, Nov. 20, 1923. Republished June 7.
Fruits, Fresh citrus. Canoga Citrus Association. 260,171, renewed Aug. 20, 1949. O. G. June 7.
Fruits, Fresh citrus. W. H. Clark Fruit Company. 510,612, June 7; Serial No. 539,134, published Feb. 22, 1949.
Fruits, Fresh citrus. Gold Banner Association. 255,479, renewed Apr. 23, 1949. O. G. June 7.
Fruits, Fresh citrus. Redlands Foothill Groves. 348,517, July 27, 1937. Republished June 7.
Fruits, Fresh citrus. Redlands Foothill Groves. 417,848, Nov. 20, 1945. Republished June 7.
Fruits, Fresh citrus. Sanger Citrus Association. 510,595, June 7; Serial No. 536,956, published Mar. 1, 1949.
Fruits, Fresh citrus. Somis Lemon Association. 438,575, May 4, 1948. Republished June 7.
Fruits, Fresh citrus. Sunflower Packing Corp. 390,166, Sept. 9, 1941. Republished June 7.
Fruits, Fresh deciduous. Lake Cove Growers, Inc. 434,596, Nov. 25, 1947. Republished June 7.
Fruits, Fresh deciduous. Lake Cove Growers, Inc. 439,688, July 13, 1948. Republished June 7.
Fruits, Fresh deciduous, fresh citrus fruits, fresh vegetables, etc. L. K. Small Company. 259,070, renewed July 23, 1949. O. G. June 7.
Gelatin. Swift and Company. 246,768, Sept. 11, 1928. Canceled. O. G. June 7.
Jelly, Guava. Allied Food Corporation of America. 438,961, May 25, 1948. Republished June 7.
Lard, oleo oils, poultry and stock feeds, gelatine, etc. Consolidated Rendering Company. 244,353, July 17, 1928. Republished June 7.
Lard, oleo stearine, oleo stearine oils and animal shortening, etc. Consolidated Rendering Company. 323,854, May 7, 1935. Republished June 7.
Marshmallows. The Shotwell Mfg. Co. 254,141, renewed Mar. 12, 1949. O. G. June 7.
Meal, Cottonseed, and cottonseed hulls. Texarkana Cotton Oil Co. 221,077, Nov. 23, 1926. Republished June 7.
Meats, Smoked. Stahl-Meyer, Inc. 442,855, June 7; Serial No. 521,293, published Feb. 22, 1949.
Mixture of spices. Dan Perkins Company. 510,779, June 7; Serial No. 503,668.
Oleo oil. Consolidated Rendering Company. 159,853, Oct. 10, 1922. Republished June 7.
Oleo, oleo oil and shortening. Consolidated Rendering Company. 172,462, Aug. 28, 1923. Republished June 7.
Oleomargarine. Armour and Company. 510,510, June 7; Serial No. 526,876, published Mar. 1, 1949.
Oranges and grapefruit. Cobb and Domemyer. 121,596, May 14, 1918. Republished June 7.
Oranges, lemons, grapefruit, etc., Fresh. Lee County Packing Company. 358,759, July 26, 1938. Republished June 7.
Oranges, lemons, grapefruit, etc., Fresh. Lee County Packing Company. 367,367, May 16, 1939. Republished June 7.
Oranges, lemons, grapefruit, etc., Fresh. Lee County Packing Company. 372,066, Oct. 24, 1939. Republished June 7.
Paprika. Emeterio Flores. 241,946, renewed May 8, 1948. O. G. June 7.
Peanut butter, mayonnaise, salad dressing, etc. Cinderella Foods. 434,803, Dec. 9, 1947. Republished June 7.
Pickles. Chas. F. Cates & Sons, Inc. 510,650, June 7; Serial No. 544,053, published Feb. 22, 1949.
Preserves, Fruit, vegetable fat, salad oil, etc. I. Rokeach & Sons, Inc. 254,045, renewed Mar. 12, 1949. O. G. June 7.
Sardines. Seacoast Canning Co. 88,122, Aug. 27, 1912. Republished June 7.
Seed, Wild bird. The Chas. J. McCullough Seed Company. 442,853, June 7; Serial No. 519,077, published Mar. 1, 1949.
Starch, Wheat, and corn starch. H. Kohnstamm & Co. 82,003, May 30, 1911. Republished June 7.
Sugar, Granulated. The American Sugar Refining Company. 73,094, re-renewed Mar. 16, 1949. O. G. June 7.
Sugar, Granulated. The American Sugar Refining Company. 73,096, re-renewed Mar. 16, 1949. O. G. June 7.
Sugar, Hard. The American Sugar Refining Company. 73,101, re-renewed Mar. 16, 1949. O. G. June 7.
Syrup. Penick & Ford, Limited. 75,132, re-renewed Sept. 7, 1949. O. G. June 7.
Syrup, Pure Georgia cane. Roddenbery Bros. 159,496, Sept. 26, 1922. Republished June 7.
Syrup, Sugar-cane. W. H. Cargill. 260,295, renewed Aug. 20, 1949. O. G. June 7.
Syrup, Table. Roddenbery Brothers. 197,035, Apr. 7, 1925. Republished June 7.
Vanilla flavor, Artificial. David Michael and Company. 510,646, June 7; Serial No. 543,954, published Feb. 22, 1949.
Vegetable oils. Veronica Olive Oil Company. 510,530, June 7; Serial No. 529,115, published Sept. 14, 1948.
Vegetables, Fresh. Farmers Exchange, Inc. 442,849 June 7; Serial No. 516,541, published Feb. 22, 1949.
Vegetables, Fresh. Ruskin Vegetable Distributors. 510,493, June 7; Serial No. 517,200, published Feb. 22, 1949.
Vegetables, Fresh. P. A. Ruth. 510,631, June 7; Serial No. 541,468, published Feb. 22, 1949.
Vegetables, Fresh. San Pat Vegetable Company. 370,272, Aug. 22, 1939. Republished June 7.

Vegetables, Fresh. Shrode-Nelson Produce Co. 423,807, Sept. 10, 1946. Republished June 7.
Vegetables, Fresh, and frozen vegetables. Brendlin-Rice and Company. 510,809, June 7; Serial No. 538,350, published Feb. 22, 1949.
Walnuts, California Walnut Growers Association. 510,574, June 7; Serial No. 534,993, published Mar. 1, 1949.

CLASS 47

Wines. S. A. Salomone. 392,750, Jan. 13, 1942. Republished June 7.

CLASS 48

Ale. The Erie Brewing Company. 439,074, Aug. 3, 1948. Republished June 7.

CLASS 50

Bases, Typewriter. Business Machine Products, Inc. 442,866, June 7; Serial No. 525,785, published Mar. 8, 1949.
Canvas goods. Baker-Lockwood Awning & Tent Company. 510,608, June 7; Serial No. 538,344, published Mar. 1, 1949.
Covers, Billiard table. The Brunswick-Balke-Collender Company. 371,011, Sept. 12, 1939. Republished June 7.
Crosses, Small electric altar and table. Canning Trading Company. 510,618, June 7; Serial No. 539,490, published Mar. 1, 1949.
Feeders, Poultry, poultry drinking fountains. United Co-Operatives, Inc. 510,581, June 7; Serial No. 535,907, published Mar. 1, 1949.
Scaffolds, Interior and exterior. Wilson-Albrecht Co. Inc. 510,607, June 7; Serial No. 538,214, published Mar. 1, 1949.
Straws, Drinking. Marcalus Manufacturing Co., Inc. 378,031, Nov. 21, 1939. Republished June 7.
Wadding or batting, Fibrous. Johnson & Johnson. 417,444, Oct. 30, 1945. Republished June 7.

LIST OF PLANT PATENTEES

Brownell, Josephine D., Little Compton, R. I. Rose plant. 845, June 7.

Brownell, Josephine D., Little Compton, R. I. Rose plant. 846, June 7.

LIST OF DESIGN PATENTEES

Aciform Corporation, assignee: *See*—
Werner, John, and Zeigler.

American Safety Razor Corporation, assignee: *See*—
Stahl, Gerald P.

American Seating Company, assignee: *See*—
Bond, Willard H., Jr.

Amyot, Pierre, Quebec, Quebec, Canada. Brassière. 154,013, June 7.

Anderson, Eric G. O., Cranston, assignor to Everfine Jewelry Manufacturing Company, Providence, R. I. Wrist watch bracelet. 154,014, June 7.

Anderson, Eric G. O., Cranston, assignor to Everfine Jewelry Manufacturing Company, Providence, R. I. Top shell for an expansible bracelet or similar article. 154,015, June 7.

Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Finger ring or the like. 154,016, June 7.

Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Finger ring or the like. 154,017, June 7.

Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Finger ring or the like. 154,018, June 7.

Barbieri, Nicholas, Providence, R. I., assignor to Uncas Manufacturing Company. Ring or similar article. 154,019, June 7.

Bardach, Paul, Providence, R. I. Jewelry chain. 154,020, June 7.

Bond, Willard H., assignor to American Seating Company, Grand Rapids, Mich. Chair end standard. 154,021, June 7.

Boucher, Harry H.: *See*—
Phillips, Harvey M., and Boucher.

Bretney, Carl E., Toledo, Ohio. Measuring spoon. 154,022, June 7.

Bridges, Vascar N.: *See*—
Weaver, Walter E., and Bridges.

Brown & Bigelow, assignee: *See*—
Fischer, Howard L.

Buckner, Anthony J., Jackson Heights, assignor to Grosfeld House, Inc., New York, N. Y. Sofa. 154,023, June 7.

Campana Sales Company, assignee: *See*—
Crull, Irving W.

Chicago Streamlite Corporation, assignee: *See*—
Ham, Donald F.

Clark & Coombs Company, assignee: *See*—
Hoeckele, Anton.

Conroy, Edward J., assignor to The International Silver Company, Meriden, Conn. Spoon or other article of flatware. 154,024, June 7.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Crull, Irving W., Geneva, assignor to Campana Sales Company, Batavia, Ill. Combined display case and lipstick exhibit. 154,025, June 7.

Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Box cover switch. 154,026, June 7.

Dreyfuss, Henry, New York, N. Y., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner casing. 154,027, June 7.

Du Mont Corporation, The, assignee: *See*—
Du Mont, William B.

Du Mont, William B., assignor to The du Mont Corporation, Greenfield, Mass. Holder for a keyway broach and bushing set. 154,028, June 7.

Du Mont, William B., assignor to The du Mont Corporation, Greenfield, Mass. Holder for a keyway broach and bushing set. 154,029, June 7.

Duvalet, Maurice, Congera, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Necklace. 154,030, June 7.

Eisendrath, Robert N., Chicago, Ill. Combination love seat, loonge, and bed. 154,031, June 7.

Ernst, Earl A., Bakersfield, Calif. Trailer for grading articles. 154,032, June 7.

Everfine Jewelry Manufactoring Company, assignee: *See*—
Anderson, Eric G. O.

Ferguson, Harry, Inc., assignee: *See*—
Nelson, Noral A.

Ferriot, Joseph V., Akron, Ohio. Artificial fish lure. 154,033, June 7.

Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Writing instrument. 154,034, June 7.

Griffith, Floyd P., Appalachia, Va. Pen and pencil clip. 154,035, June 7.

Grosfeld House, Inc., assignee: *See*—
Buckner, Anthony J.

Grubb, Melvin R. and N. C., Mission, Kans. Kneeling hammock. 154,036, June 7.

Grubb, Nerina C.: *See*—
Grubb, Melvin R. and N. C.

Guior, Armand M., assignor to Imperial Dania Silver Corp., New York, N. Y. Handle for table flatware. 154,037, June 7.

Ham, Donald F., assignor to Chicago Streamlite Corporation, Chicago, Ill. Combined table, sink, stove, and cabinet unit for vehicle trailer. 154,038, June 7.

Hoeckele, Anton, Providence, R. I., assignor to Clark & Coombs Company. Ring or similar article. 154,039, June 7.

Hoover Company, The, assignee: *See*—
Dreyfuss, Henry.

Imperial Dania Silver Corp., assignee: *See*—
Guior, Armand M.

International Silver Company, The, assignee: *See*—
Conroy, Edward J.

Johnson, Dan R., Los Angeles, Calif. Desk or similar article. 154,040, June 7.

Johnson, Gerald C., Bronxville, and A. A. Perelman, Brooklyn, assignors to Lily-Tulip Cup Corporation, New York, N. Y. Telescopic paper cup dispenser. 154,041, June 7.

Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 154,042, June 7.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 154,043, June 7.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 154,044. June 7.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 154,045. June 7.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 154,046, June 7.

Kilsby, Perry, Inc., assignee: *See*—
Storm, Frederick K., Jr.

Lammi, David G., Chicago, Ill. Single spindle hydraulic paper drill or similar article. 154,047, June 7.

Le Vaggi, Gloria, Attleboro, Mass., assignor to Swank, Inc. Cuff link. 154,048, June 7.

Lily-Tulip Cup Corporation, assignee: *See*—
Johnson, Gerald C., and Perelman.

Lipton, Nat, Long Beach, Calif. Combined toothpaste dispenser and toothbrush holder. 154,049, June 7.

Mandina, William S., Kansas City, Mo. Child's rocking horse. 154,050, June 7.

Marquardt, Oswald F., Montclair, N. J. Wrapping paper. 154,051, June 7.

Marquardt, Oswald F., Montclair, N. J. Wrapping paper. 154,052, June 7.

McCann, Clyde D., Des Moines, Iowa. Lighting fixture. 154,053, June 7.

Medgyes, Ladislas, assignor to Helena Rubinstein, Inc., New York, N. Y. Nail polish bottle holder and finger rest. 154,054, June 7.

Miller, Irving, New York, N. Y. Animal figure. 154,055, June 7.

Moffats Limited, assignee: *See*—
Reynolds, Carl, Jr.

Nelson, Jennings, St. Paul, Minn. Ash tray. 154,056, June 7.

Nelson, Noral A., Royal Oak, assignor to Harry Ferguson, Inc., Detroit, Mich. Manure spreader. 154,057, June 7.

Nitardy, Carl, Ipswich, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lighting fixture. 154,058, June 7.

Olson, Roland K., Newton, Mass. Illuminable rule. 154,059, June 7.

Osborn, John G., Sheboygan, Wis. Combination chest and hutch. 154,060, June 7.

Pass & Seymour, Inc., assignee: *See*—
Despard, Victor R.

Patty, James S., New York, N. Y. Finger ring. 154,061, June 7.

Patty, James S., New York, N. Y. Finger ring. 154,062, June 7.

Perelman, Albert A.: *See*—
Johnson, Gerald C., and Perelman.
Philco Corporation, assignee: *See*—
Schaefer, Carl W. D.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 154,063, June 7.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 154,064, June 7.
Phillips, Harvey M., and H. H. Boucher, Dallas, Tex. Combination fishing rod and walking cane. 154,065, June 7.
Provenzano, Joseph, New York, N. Y. Lamp with illuminable base. 154,066, June 7.
Reynolds, Carl, Jr., Detroit, Mich., assignor to Moffats Limited, Weston, Ontario, Canada. Electrical heating apparatus. 154,067, June 7.
Rives, Walter L., Jacksonville, Fla. Fishing rod reel mount. 154,068, June 7.
Rubinstein, Helena, Inc., assignee: *See*—
Medgyes, Ladislas.
Schaefer, Carl W. D., Dayton, Ohio, assignor to Philco Corporation, Philadelphia, Pa. Phonograph tone arm. 154,069, June 7.
Simpson, David M., Hawthorne, Calif. Scooter. 154,070, June 7.
Smith, Frederick R., Toledo, Ohio. Vegetable cutter. 154,071, June 7.
Sorrentino, Vincent, Providence, R. I., assignor to Uncas Manufacturing Company. Ring or similar article. 154,072, June 7.
Spear, Arthur S., Providence, R. I., assignor to Sperry Mfg. Co. Clasp. 154,073, June 7.
Spear, Arthur S., Providence, R. I., assignor to Sperry Mfg. Co. Clasp. 154,074, June 7.
Spear, Arthur S., Providence, R. I., assignor to Sperry Mfg. Co. Clasp. 154,075, June 7.
Spear, Arthur S., Providence, R. I. Jewelry chain. 154,076, June 7.
Spear, Arthur S., Providence, R. I. Jewelry chain. 154,077, June 7.
Spear, Arthur S., Providence, R. I. Jewelry chain. 154,078, June 7.
Sperry Mfg. Co., assignee: *See*—
Spear, Arthur S.
Stahl, Gerald E., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Table lighter. 154,079, June 7.
Stevens, Clifford B., Milwaukee, Wis. Automobile. 154,080, June 7.
Storm, Frederick K., Jr., assignor to Perry Kilsby, Inc., Los Angeles, Calif. Dishwasher. 154,081, June 7.
Swank, Inc., assignee: *See*—
Le Vaggi, Gloria.
Sylvania Electric Products Inc., assignee: *See*—
Nitardy, Carl.
Thrailkill, Orville W., Wellington, Kans. Merchandise container or the like. 154,082, June 7.
Trautner, Wagn, Syracuse, N. Y. Automobile lamp. 154,083, June 7.
Trautner, Wagn, Syracuse, N. Y. Automobile lamp. 154,084, June 7.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Uncas Manufacturing Company, assignee: *See*—
Barbieri, Nicholas.
Sorrentino, Vincent.
Van Cleef & Arpels, Inc., assignee: *See*—
Duvalet, Maurice.
Victor Industries Corporation, assignee: *See*—
Jung, Albert H.
Warren, Arthur E., Des Moines, Iowa. Quarter boot. 154,085, June 7.
Weaver, Walter E., Nacogdoches, and V. N. Bridges, Houston, Tex.; said Bridges assignor to said Weaver. Pipe holder. 154,086, June 7.
Weil, Joe: *See*—
Zitenfield, Abraham, and Weil.
Werner, John, Chicago, and A. H. Zeigler, Kenilworth, assignors to Aciform Corporation, Chicago, Ill. Combined chair and vibrator. 154,087, June 7.
White, Constance R., Beverly Hills, Calif. Toy roly-poly or similar article. 154,088, June 7.
Zeigler, Albert H.: *See*—
Werner, John, and Zeigler.
Zitenfield, Abraham, and J. Weil, New York, N. Y. Toll coin or token device for automobiles. 154,089, June 7.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF JUNE, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories, assignee: *See*—
Moore, Majorie B. and E. E.
Ackerly, Orville B., Jr., Piedmont, assignor to Oliver United Filters Incorporated, Oakland, Calif. Rotary drum filter. 2,472,558, June 7.
Ackles, Virgil E., Los Angeles, Calif., assignor to Doughnut Corporation of America, New York, N. Y. Glaze applying machine. 2,472,545, June 7.
Acorn Designing Co., assignee: *See*—
Barrie, Arthur J., and Dwyer.
Actiengesellschaft Joh. Jacob Rieter & Cie., assignee: *See*—
Naegeli, Werner.
Adam, Frank, Electric Company, assignee: *See*—
Schmelig, Nicholas J., and Green.
Adams, Harold A., Bakersfield, and M. Eichelberger, Kernville, Calif., assignors to E. A. B. Incorporated. Fluid weighing system. 2,472,080, June 7.
Advance Transformer Co., assignee: *See*—
Epstein, Hirsch.
Aero Supply Mfg. Co., Inc., assignee: *See*—
Downey, George T.
Aerovox Corporation, assignee: *See*—
Schmitt, Frank R.
Aetna-Standard Engineering Company, The, assignee: *See*—
Rodder, William.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Mehltretter, Charles L., Rist, and Alexander.
Reitz, Henry C.
Air Reduction Company, Incorporated, assignee: *See*—
Hoover, Charles O.
Akeroyd, Ewart L.: *See*—
Prescott, William G., Akeroyd, and Holmes.
Albiau, Luis G., Ponce, P. R. Clinical exercise table. 2,472,301, June 7.
Aldeborgh, Erik H., Poughkeepsie, and A. H. Emery, Wappingers Falls, assignors to Standard Gage Company, Inc., Poughkeepsie, N. Y. Bore gauge. 2,472,139, June 7.
Alexander, Arthur F., Cleveland, Ohio. Screw driver. 2,472,302, June 7.
Alexander, Benjamin H.: *See*—
Hebltretter, Charles L., Rist, and Alexander.
Allegheny Ludlum Steel Corporation, assignee: *See*—
Kiefer, George C.
Allen, James G., Ubly, Mich. Door check and closer. 2,472,508, June 7.
Allen, Raymond P., Akron, assignor to Seiberling Rubber Company, Barberton, Ohio. Apparatus for the treatment of fabrics. 2,472,057, June 7.
Aluminum Company of America, assignee: *See*—
Mason, Ralph B.
Ambrose, Leo, assignee: *See*—
Rundle, George W.
American Brake Company, The, assignee: *See*—
Mueller, Emil G.
American Catheter Corporation, assignee: *See*—
Krippendorf, Louis H.
American Cyanamid Company, assignee: *See*—
Baker, Bernard R., and Querry.
Boothe, James H.
Hultquist, Martin E., and Dreisbach.
Hultquist, Martin E., and Seeger.
Stewart, Hugh W.
American Home Foods, Inc., assignee: *See*—
Ornfelt, John.
American-La France-Foamite Corporation, assignee: *See*—
McGlenn, Robert C.
American Locomotive Company, assignee: *See*—
Gantvoort, John M.
American Optical Company, assignee: *See*—
Splaine, Edward M.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Avallone, Samuel C., Harris, and Whiting.
American Telephone and Telegraph Company, assignee: *See*—
Gordon, Chester S., Lally, and Zieschang.
Matthew, Henry J.
American Viscose Corporation, assignee: *See*—
Rivers, George W.
Wicker, Dan B., and Cox.
Anderson, Christopher J., Peru, Ind. Blade-shearing band-saw attachment. 2,472,509, June 7.
Andresen, John H., Jr., Port Washington, and E. Kasner, Brooklyn, N. Y., assignors to Square D Company, Detroit, Mich. Polyphase supply circuit. 2,472,807, June 7.
Anest, William, North Platte, Nebr. Snap chuck. 2,472,184, June 7.
Anglo-Canadian Pulp and Paper Mills Limited, assignee: *See*—
O'Halloran, James.
Anicetti, Robert J., Beverly, Mass., assignor to the United States of America as represented by the United States Atomic Energy Commission. Crucible and making crucibles. 2,472,456, June 7.
Ansingh, Herman K., Beaufort, N. C., assignee to F. J. Raybould, Lakewood, Ohio. Dual grip contractible hose coupling. 2,472,455, June 7.
Apel, Arno A., Ventnor, N. J. Seat for small boats. 2,472,185, June 7.
Armstrong, George C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermal switch. 2,472,082, June 7.
Arnold, Edwin E., Pittsburgh, and J. S. Newton, Lansdowne, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Planetary gearing. 2,472,559, June 7.
Arnold, Gilbert E., Grenville, Quebec, Canada. Apparatus for collecting urine from horses and other animals. 2,471,186, June 7.
Arsem, William C., Bethesda, Md. Active halogen compounds and their production. 2,472,361, June 7.
Artley, Wayne C., Des Moines, Iowa. Tube and instrument holder. 2,472,058, June 7.
Arwood, James A., Birmingham, Ala. Fishing rod holder. 2472,059, June 7.
Ash, Isaac E., Athens, Ohio. Vent system for sanitary toilets. 2,472,457, June 7.
Atherton, Thomas, and P. E. Ryder, assignors to Dorman & Smith Limited, Salford, England. Electrical plug. 2,472,690, June 7.
Atlantic Refining Company, The, assignee: *See*—
Ferris, Seymour W., Lamson, and Smith.
Gzemski, Felix C.
Hersberger, Arthur B.
Automatic Electric Laboratories, Inc., assignee: *See*—
Herrick, Roswell H.
Jones, Roy W.
Peterson, Edward S.
Automotive Products Company Limited, assignee: *See*—
Chouings, Leslie C.
Avallone, Samuel C., Cleveland Heights, A. W. Harris and E. J. Whiting, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Process and bath for copper coating ferrous metal. 2,472,393, June 7.
Avery, Charles R., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass feeder shear mechanism actuating means. 2,472,560, June 7.
Aviation Developments Limited, assignee: *See*—
Diaper, Herbert E.
Backer, Christian B., Ottawa, Ontario, Canada. Terminal block. 2,472,738, June 7.
Baker, Allister L., Jersey City, assignor to Keuffel & Esser Company, Hoboken, N. J. Sealed adjustable eyepiece for optical instruments. 2,472,739, June 7.
Baker, Bernard R., Nanuet, and M. V. Querry, Pearl River, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Imidazolido thiophanes and preparing same. 2,472,458, June 7.
Baldock, Harold: *See*—
Smith, Arthur E. W., Scaife, and Baldock.
Banks, Clarence K.: *See*—
Brooker, Leslie G. S., Holcomb, and Banks.
Banks, Daniel B., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Method and apparatus for feeding adsorbent materials to streams of liquid hydrocarbons. 2,472,459, June 7.
Banks, Harry R., Creston, Iowa, assignor of one-half to C. A. Overturf, Algonac, Mich. Vegetable peeler. 2,472,460, June 7.
Barbagallo, Alfred, West Palm Beach, assignor of one-half to A. J. Longo, Palm Beach, Fla. Shoe stitch remover. 2,472,643, June 7.
Barber, Edward A., A. D. Collins, and H. C. Sylvester, St. Albans, Vt. Automatic window lock. 2,472,395, June 7.
Barcus, John W., assignor of fifty per cent to N. R. Kneass, Baltimore, Md. Gear hobbing machine attachment. 2,472,644, June 7.
Barker, Charley S., Ithaca, N. Y. Indoor golf. 2,472,187, June 7.
Barnebey, Herbert L., Oakmont, and J. B. Shields, assignors to Blaw-Knox Company, Pittsburgh, Pa. Heat-exchange apparatus. 2,472,362, June 7.

Barnes, Harold, Smethwick, England. Hand drying or cleaning apparatus. 2,472,272, June 7.

Barnett, David, Wellesley, Mass. Piano key action. 2,472,740, June 7.

Barraket, Jacob A., Brooklyn, N. Y. Locking device. 2,472,394, June 7.

Barrie, Arthur J., and B. J. Dwyer, assignors to Acorn Designing Co., Toledo, Ohio. Metalworking machine. 2,472,561, June 7.

Barth, William E.: *See*—
Van Sittert, Paul, and Barth.

Bartholdy, Carl O., San Francisco, Calif. Machine-tool fixture. 2,472,083, June 7.

Bashark, Nicholas: *See*—
Grant, David, and Bashark.

Bassick Company, The, assignee: *See*—
Claud-Mantle, Arthur.

Bates, Robert L., Lexington, Va. Apparatus for production of relief surfaces. 2,472,273, June 7.

Batten, Percy H., trustee, assignee: *See*—
Boestad, Gustav K. W., and Nilsson.

Beach, Harold W.: *See*—
Salinger, Hans W. G., and Beach.

Beleskas, Stanley M., Oaklyn, N. J., assignor to Radio Corporation of America. High-frequency coaxial cable switch. 2,472,274, June 7.

Bell Telephone Laboratories, Incorporated: *See*—
Bond, Walter L.
Brown, John T. L., and Pollard.
Gordon, Chester S., Lally, and Zieschang.
Knapp, Harry M.
Mason, Warren P.
Ostendorf, Bernard, Jr.

Beller, Hans, Cranford, R. E. Christ, and F. Wuerth, Elizabeth, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Carburetor process for acetylene reactions. 2,472,084, June 7.

Beller, Hans, Cranford, R. E. Christ, and F. Wuerth, Elizabeth, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Carburetor process for making N-vinyl compounds. 2,472,085, June 7.

Beller, Hans, Cranford, R. E. Christ, and F. Wuerth, Elizabeth, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. Carburetor process for acetylene reactions. 2,472,086, June 7.

Bendix Aviation Corporation, assignee: *See*—
Dickey, John W., and Trout.
Du Bois, William H.
McHenry, Harland L.
McNulty, John V.
Thomas, Michael J., and Fricke.
Waterman, Herbert C.

Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
Eaton, Wilfred A.

Bennett, Azzel C., Hudson, N. Y., and W. G. Engler, Chicago, Ill., assignors to Gifford-Wood Company, Hudson, N. Y. Ice breaker. 2,472,188, June 7.

Bennett, Loren E., Winnetka, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire twisting device. 2,472,510, June 7.

Bennett, William P., San Bernardino, Calif. Door holder and buffer. 2,472,397, June 7.

Benthall, Arthur P., assignor to Bird & Company, Calcutta, Bengal, British India. Manufacture of blankets, blanket material, felt substitutes, and carpet material. 2,472,511, June 7.

Benthall, Arthur P., assignor to Bird & Company, Calcutta, Bengal, British India. Blankets, blanket material, felt substitutes, and carpet material. 2,472,512, June 7.

Berardinelli, Frank: *See*—
Palst, Walter D., and Berardinelli.

Berger, Jack, Laurelton, Long Island, assignor to Diesel Oil Burner Corporation of New York, Jamaica, N. Y. Arrangement for operating oil burners. 2,472,398, June 7.

Berger, Paul, assignor, by mesne assignments, of one-half to H. Epstein and one-half to L. R. Duman, Chicago, Ill. Lighting transformer. 2,472,140, June 7.

Bergs, E. A., Fabriks Aktiebolag, assignee: *See*—
Österdahl, Eric L. L.

Berninger, Kenneth L., and C. H. Lowrey, assignors to The Hidee Products Company, Dayton, Ohio. Light control. 2,472,741, June 7.

Berquist, Nils O., Appelviken, near Stockholm, Sweden. Belt driving device. 2,472,513, June 7.

Berryman, Lloyd M., Baltimore, Md. Air conditioning apparatus including a sterilizing means. 2,472,243, June 7.

Bethlehem Steel Company, assignee: *See*—
Fairchild, Theodore M.

Beylerian, Beedge K., Los Angeles, Calif. Simulating surface structures. 2,472,060, June 7.

Bienfait, Henri, and C. F. Veenemans, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Thermionic tube having a secondary-emission electrode. 2,472,189, June 7.

Bierman, Carroll M., assignor of one-half to F. J. Wagner, Franklin Square, N. Y. Roller skate wheel hubcap. 2,472,087, June 7.

Bierwirth, Rudolph A., Kingston, N. J., assignor to Radio Corporation of America. Dehydrating effervescent liquids. 2,472,362, June 7.

Bievenoger, Francis L., Rochester, N. Y. Necktie clasp. 2,472,190, June 7.

Bird & Company, assignee: *See*—
Benthall, Arthur P.

Blackburn, Luther A., Lynwood, Calif. Chain support. 2,472,461, June 7.

Blackinton, James G., Flint, assignor of one-half to D. G. B. Hill, Corunna, Mich. Building block. 2,472,363, June 7.

Blaw-Knox Company, assignee: *See*—
Barnebey, Herbert L., and Sheilds.

Bloss, Richard R., and A. R. McLerran, Beaumont, Tex., assignors to International Derrick & Equipment Company, Columbus, Ohio. Rotary swivel for drilling rigs. 2,472,091, June 7.

Boddie, Clarence A., Belmar, N. J. Oscillator tube. 2,472,088, June 7.

Boestad, Gustav K. W., Lidingo, and H. B. Nilsson, Fredhall, Stockholm, Sweden, assignors, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Turbine casing construction. 2,472,062, June 7.

Bogert, Leslie S.: *See*—
Miller, Frank G., and Bogert.

Boldue, Gerard, Manchester, N. H. Polishing chuck. 2,472,399, June 7.

Bollmann, Karl, Zurich, and H. Meier, assignors to Landis & Gyr, A. G., Zug, Switzerland. Electric switch. 2,472,275, June 7.

Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Protecting metal surfaces against hydrogen sulfide corrosion. 2,472,400, June 7.

Bond, Walter L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,472,691, June 7.

Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch point support. 2,472,364, June 7.

Bonner, William A., H. Woods, and C. D. Hurd, Evanston, Ill., assignors to Corn Products Refining Company, New York, N. Y. Production of arylidesoxyglycoses and diarylidesoxyalditols. 2,472,276, June 7.

Bonner, William A., H. Woods, and C. D. Hurd, Evanston, Ill., assignors to Corn Products Refining Company, New York, N. Y. Monosubstituted desoxyglycoses and preparing the same. 2,472,277, June 7.

Boothe, James H., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Preparing pteroic acid and amino acid amidee thereof. 2,472,462, June 7.

Borkowski, Casimer J., Oak Ridge, Tenn., assignor to The United States of America as represented by the United States Atomic Energy Commission. Alpha particle counting. 2,472,365, June 7.

Botha, Louis, New York, N. Y. Convertible garment. 2,472,141, June 7.

Boucek, James F., Chicago, Ill. Mica splitting machine. 2,472,401, June 7.

Boulin Instrument Corporation, assignee: *See*—
Boulin, Jean J.

Boulin, Jean J., Chatham, N. J., assignor to Boulin Instrument Corporation, New York, N. Y. Tensiometer. 2,472,142, June 7.

Bourland, Eli, Millbrae Highlands, assignor to Pacific Can Company, San Francisco, Calif. Can line divider. 2,472,563, June 7.

Boyle, Edward J., Oak Ridge, Tenn., assignor to The New Jersey Zinc Company, New York, N. Y. Zinc-copper-titanium alloys. 2,472,402, June 7.

Brady, Wilson M., Catonsville, Md. Iron support. 2,472,244, June 7.

Braitberg, Leo D.: *See*—
Friedman, Harris L., and Braitberg.

Brandon, Richard C., Elizabeth, and M. C. K. Jones, Mountainside, N. J., assignors to Standard Oil Development Company. The distillation of a mixture of hydrocarbons. 2,472,463, June 7.

Brauch, Albert L., assignor to H. A. Smith and B. E. Kaslow, Omaha, Nebr. Attachment for tractors. 2,472,278, June 7.

Brennan, Linn S., Dayton, Ohio. Coil winder. 2,472,089, June 7.

Brewer, Nathaniel, Hatfield, assignor to Fischer & Porter Company, Hatboro, Pa. Flow-actuated valve. 2,472,090, June 7.

Brinkley, David T., Elk Park, N. C. Roller track. 2,472,514, June 7.

Brinkoeter, Paul H., assignor to Ed Friedrich, Inc., San Antonio, Tex. Dies. 2,472,515, June 7.

Briskin, Jack, assignor to Revere Camera Company, Chicago, Ill. Self-threading device for motion-picture apparatus. 2,472,143, June 7.

Britten, Edwin F., Jr., Short Hills, assignor to Monroe Calculating Machine Company, Orange, N. J. Actuator controlling means for calculating machines. 2,472,564, June 7.

Brode, Robert B., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Thermal time delay. 2,472,366, June 7.

Brooker, Leslie G. S., Rochester, N. Y., W. F. Holcomb and C. K. Banks, Detroit, Mich., assignors to Eastman Kodak Company, Rochester, N. Y. Pyrimido-2'-cyanine dyes. 2,472,505, June 7.

Brooks, Harry: *See*—
McCune, Donald C., and Brooks.

Brown, Alexander M.: *See*—
Carlile, Alfred E., and Brown.

Brown, Henry A., Cleveland, Ohio. Safety control for track switches. 2,472,063, June 7.

Brown, John T. L., Short Hills, and C. E. Pollard, Jr., Hohokus, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control circuit. 2,472,564, June 7.

Brown, Leo H., Glenville, Conn. Bore sight for insertion in the breech chamber of guns to provide overlapping images of muzzle portions of the gun bores. 2,472,091, June 7.

Brown, Morris C., Richmond Heights, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,472,692, June 7.

Brown and Sharpe Manufacturing Company, assignee: *See*—
Mathewson, Maxwell I.

Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Adjustable axle and wheel assembly. 2,472,742, June 7.

Brown, Thomas W. F., Newcastle on Tyne, assignor to The Parsons and Marine Engineering Turbine Research and Development Association, Wallsend, England. Pipe expansion joint. 2,472,279, June 7.

Brown, William V., Flushing, assignor to Republic Aviation Corporation, near Farmingdale, N. Y. Pitch indicator for variable pitch propellers. 2,472,693, June 7.

Bruce, William A., Tulsa, Okla., assignor to Standard Oil Development Company. Well analyzer. 2,472,464, June 7.

Broderlin, Henry H., Venice, Calif. Brassière. 2,472,280, June 7.

Broderlin, Henry H., Venice, Calif. Garment. 2,472,281, June 7.

Bruen, George C., assignor of seventy and one-half per cent to S. E. Bruen, Chicago, five per cent to E. V. Dickinson, Highland Park, nine per cent to S. M. Bullock, Wilmette, Ill., ten and one-half per cent to O. A. Stuart, Washington, D. C., two per cent to J. Fisher, Chicago, one per cent to M. Thoenen, Elmwood Park, Chicago, one per cent to G. H. Frederickson, Chicago, Ill., and one per cent to E. M. Thorsen, St. Joseph, Mo. Card filing equipment. 2,472,567, June 7.

Bruen, Sophie E., assignee: *See*—
Bruen, George C.

Brush Development Company, The, assignee: *See*—
Malone, Edward J.

Bullock, Sarah M., assignee: *See*—
Bruen, George C.

Burbage, George H.: *See*—
Toth, Emerick, and Burbage.

Burchett, Ray L., Newark, N. J., assignor to Ronson Art Metal Works, Inc. Pyrophoric lighter construction. 2,472,282, June 7.

Burt Manufacturing Company, The, assignee: *See*—
Manville, Charles J.

Burt, Ralph, assignor to Syntron Company, Homer City, Pa. Fluid operated vibrator. 2,472,568, June 7.

Burwen, Charles B., assignee: *See*—
Burwen, Solomon.

Burwen, Frank W., assignee: *See*—
Burwen, Solomon.

Burwen, Solomon, Swampscott, assignor of one-third to F. W. Burwen, Marblehead, and one-third to C. B. Burwen, Lynn, Mass. Steel wool pad holder. 2,472,403, June 7.

Busse, William M., Massillon, Ohio, assignor to The Griscom Russell Company, New York, N. Y. Finning engine cylinders. 2,472,245, June 7.

Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Carton. 2,472,516, June 7.

Byers, George W., Glen Mills, Pa., assignor to American Viscose Corporation, Wilmington, Del. Slubbing device. 2,472,283, June 7.

Cadwell, Wallace H., New Carlisle, Ohio. Handle operated latch for receptacles. 2,472,404, June 7.

Caldwell, Percy G., and L. W. Hope-Walton, London, England. Securing a pipe fitting to a plate, wall, or the like. 2,472,569, June 7.

Calhoun, John V., Haverford, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heater for softening thermoplastics. 2,472,144, June 7.

Campbell, Alvin A., Hackettstown, N. J. Dispensing and measuring device. 2,472,092, June 7.

Cantrell, Troy L.: *See*—
Smith, Herschel G., Cantrell, and Petera.

Cantrell, Troy L., Lansdowne, and H. G. Smith, Wallingford, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents for mineral oil lubricants. 2,472,517, June 7.

Cantrell, Troy L., Lansdowne, and H. G. Smith, Wallingford, assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents for mineral oil lubricants. 2,472,518, June 7.

Cappell, Charles W., Allison Park, assignor to E. L. Wiegand Company, Pittsburg, Pa. Manufacture of electric heaters. 2,472,145, June 7.

Carlile, Alfred E., Great Neck, N. Y., and A. M. Brown, Spring Lake Heights, N. J., assignors to Talon, Inc. End stop for slide fasteners. 2,472,743, June 7.

Carlsen, John, Copenhagen, Denmark. Key-operated differential actuator. 2,472,519, June 7.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Muddiman, Earll R.

Carroll, James, Scranton, Pa. Animated cartoon. 2,472,191, June 7.

Carroll, Joseph D., McKeesport, Pa. Applying and securing antiskid chains. 2,472,766, June 7.

Carter Carburetor Corporation, assignee: *See*—
Brown, Morris C.

Carter, Robert, Johnstown, Pa. Automatic signal mailbox. 2,472,192, June 7.

Celanese Corporation of America, assignee: *See*—
Palst, Walter D., and Berardinelli.
Ward, George C., and Genazzani.

Charron, Robert R.: *See*—
Cournoyer, Charles E., and Charron.

Cheney, Harry A.: *See*—
Nixon, Alan C., Lehwalder, and Cheney.

Chownings, Leslie C., assignor to Automotive Products Company Limited, Leamington Spa, England. Liquid pressure operated controlling system. 2,472,694, June 7.

Chownings, Leslie C., assignor to Automotive Products Company Limited, Leamington Spa, England. System operated by liquid pressure. 2,472,695, June 7.

Christ, Robert E.: *See*—
Beller, Hans, Christ, and Wuerth.

Christian, Rodney E., Royal Oak, and Alfred W. Widerstedt, Detroit, Mich., assignors to Kerr Manufacturing Company. Centrifugal casting machine. 2,472,246, June 7.

Christie, Stanley J. A., Oshawa, Ontario, Canada. Work-supporting adjustable mandrel for band saws. 2,472,570, June 7.

Ciba Limited, assignee: *See*—
Rossi, Carlo.

Cities Service Oil Company, assignee: *See*—
Dermer, Otis C.

Clark, John M., Northfield, N. J. Cylinder back pressure valve. 2,472,284, June 7.

Clark, William J., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Thermal conductivity analysis of gases. 2,472,645, June 7.

Clary Multiplier Corporation, assignee: *See*—
Drake, Edward P.

Claud-Mantle, A., Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Lid fastener. 2,472,285, June 7.

Clayton, Benjamin, assignor, by mesne assignments, to B. Clayton, Houston, Tex., doing business as Refining, Unincorporated. Electronic drying of foots. 2,472,193, June 7.

Cleveland Welding Company, The, assignee: *See*—
Mueller, Homer L.

Cochran, Clyde E., assignor to The Elwell Parker Electric Company, Cleveland, Ohio. Speed control for industrial trucks or the like. 2,472,646, June 7.

Coleman, Edwin J., assignor to Crane Packing Company, Chicago, Ill. Fast-setting compound of resin and powdered metal. 2,472,247, June 7.

Collins, Alwin D.: *See*—
Barber, Edward A., Collins, and Sylvester.

Collins Radio Company, assignee: *See*—
Reinschmidt, Edward H., Jr.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Savard, Arthur J.

Continental Electric Company, assignee: *See*—
Hutchings, John H.

Continental Motors Corporation, assignee: *See*—
McGowen, Frank, and Travis.

Cook, Carroll R., Lenawee County, Mich. Farm implement or loader. 2,472,194, June 7.

Cooper, Victor J., Writtle, and E. Green, Writtle, Chelmsford, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge tube high-frequency amplifier and modulating circuits therefor. 2,472,195, June 7.

Corbyn, David B., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Electrically operated vibrator apparatus. 2,472,367, June 7.

Cork, Bruce B., Cambridge, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Transmit-receive system. 2,472,196, June 7.

Corn Products Refining Company, assignee: *See*—
Bonner, William A., and Hurd.

Cornell, Robert C., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for the treatment of molten metals. 2,472,485, June 7.

Corning Glass Works, assignee: *See*—
Hood, Harrison P.

Cossor, A. C., Limited, assignee: *See*—
Woodbridge, Leonard A.

Cottingham, Rufus F., Scunthorpe, England. Golf exercising apparatus. 2,472,065, June 7.

Cotton, William, Limited, assignee: *See*—
Start, Harry W., and Ernest.

Counts, Ewell C., La Habra, and N. H. Le Roy, Brea, Calif., assignors to Shaffer Tool Works. Landing head for plural casings and oil tubings. 2,472,466, June 7.

Cournoyer, Charles E., Port Washington, and R. R. Charron, New York, N. Y. Cleaning tool for tubes. 2,472,093, June 7.

Covins, Meyer, Danville, Ill. Double-acting reciprocating pump. 2,472,647, June 7.

Cowles, Florence E., New Braunfels, Tex. Clothespin sack. 2,472,094, June 7.

Cox, Charles W.: *See*—
Wicker, Dan B., and Cox.

Cox, Clyde W., High Point, N. C., assignor by decree of distribution to Ethel W. Cox. Wrap yarn controlled stop motion mechanism for knitting machines. 2,472,649, June 7.

Cox, Ethel W., assignee: *See*—
Cox, Clyde W.

Cox, Irvin W., West Allis, and L. D. Drugmand, Greenfield, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Plasticity responsive welder. 2,472,368, June 7.

Cox, James M., Fall River, Mass. Pump primer. 2,472,648, June 7.

Cox, James V., Buffalo, assignor to B. F. Gladding & Company, Inc., South Otselic, N. Y. Spool. 2,472,248, June 7.

Crane Packing Company, assignee: *See*—
Coleman, Edwin J.
Matter, Albert J.
Payne, Frank E.

Crary, Selden B., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 2,472,571, June 7.

Criss, Allen B., Biloxi, Miss. Sifter top. 2,472,520, June 7.

Crittall-Federal, Inc., assignee: *See*—
Kuney, Clarence F., Wurst, and Serzow.

Crookston, Robert R., Houston, Tex., assignor by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Friction lining assembly for brake bands. 2,472,467, June 7.

Cross, Carroll N., Middleboro, Mass. Easel hinge. 2,472,405, June 7.

Crouch, Willie W.: *See*—
Schulze, Walter E., and Crouch.

Crump, Robert S.: *See*—
Hamill, William W., and Crump.

Cullen, James, assignee: *See*—
Rundle, George W.

Curd, Francis H. S., C. G. Raison, and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. 2-arylamino-4-halogenoquinolines. 2,472,066, June 7.

Curlee, Harvey P., near Charlotte, N. C. Confection making machine. 2,472,650, June 7.

Curtiss-Wright Corporation, assignee: *See*—
Schoenbaum, Joseph R.

Cutler-Hammer, Inc., assignee: *See*—
Cox, Irvin W., and Drugmand.
Drugmand, L. D.

Dalley, Lewis A., Oshkosh, Wis. Landing net. 2,472,572, June 7.

Damiano, Frank, Newburgh, N. Y. Toy bank. 2,472,064, June 7.

Danenbauer, George M., Chicago, Ill., assignor, by mesne assignments, to The Diamond Match Company, New York, N. Y. Packaging. 2,472,521, June 7.

Daruis, Joseph, Jr., Kenosha, Wis. Bowling ball. 2,472,406, June 7.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Stop for the operating bar of door fasteners. 2,472,146, June 7.

David, Herbert J., Rockaway Beach, and M. Zausner, Brooklyn, N. Y. Folding cart. 2,472,407, June 7.

Davis, Lincoln K., Brockton, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Rheostat. 2,472,369, June 7.

Dawson, John W., Auburndale, assignor to Raytheon Manufacturing Company, Newton, Mass. Resistance welding system. 2,472,095, June 7.

Deere & Company, assignee: *See*—
Brown, Theophilus.

De Forest, Taber, Chicago, Ill., assignor, by mesne assignments, to J. L. and R. C. Switzer. Leak detection. 2,472,522, June 7.

Degering, Edward F.: *See*—
Spence, John A., and Degering.

De Giers, Clarence A., Forest Hills, and A. Edelman, New York, assignors to The Liquidometer Corporation, Long Island City, N. Y. Liquid level measuring device with oscillator. 2,472,249, June 7.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,472,573, June 7.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,472,574, June 7.

Dennis, Charles E., United States Navy. Radio-frequency testing circuit. 2,472,096, June 7.

Dentists' Supply Company of New York, The, assignee: *See*—
Saffir, Jacob A.

Dermer, Otis C., Stillwater, assignor to Cities Service Oil Company, Bartlesville, Okla. Dibenzylidene derivatives of 2,2,6,6, - tetramethylolcyclohexanol. 2,472,147, June 7.

Detroit Lubricator Company, assignee: *See*—
Dillman, Earnest J.

Dexter Company, The, assignee: *See*—
Snyder, Gry L.

Diamond Match Company, The, assignee: *See*—
Danenbauer, George M.

Di Angelo, Carlo, Hostetter, Pa. Combined castanet and tambourine. 2,472,408, June 7.

Diaper, Herbert E., Bitterne, Southampton, assignor to Aviation Developments Limited, Garden City, Hertford County, England. Fastener. 2,472,651, June 7.

Dickey, John W., Newfield, and N. S. Tcont, Jr., Elmira, N. Y., assignors to Bendix Aviation Corporation. Electromagnetic pump. 2,472,067, June 7.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. N-(4,5-dihydroxy-n-amyl) and n-(4,5-diacyloxy-n-amyl) aromatic amines. 2,472,575, June 7.

Dickinson, Edna V., assignee: *See*—
Bruen, George C.

Didato, Thomas P., Middlesex, N. J. Staple setting machine. 2,472,409, June 7.

Diesel Oil Burner Corporation of New York, assignee: *See*—
Berger, Jack.

Digby, Emmet B., Atlanta, Ga. Machine for automatically removing the feathers from fowl. 2,472,468, June 7.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Thermostatic expansion valve. 2,472,149, June 7.

Dillon, John J., Needham, and M. Needle, Chelsea, Mass. Backing or chill ring. 2,472,523, June 7.

Dobrick, August C., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Flush valve. 2,472,576, June 7.

Doersam, Charles H., Jr., Palisade, N. J. Multiplying mechanism. 2,472,097, June 7.

Donovan, Alfred F., Boston, assignor to E. T. Wright & Co., Incorporated, Rockland, Mass. Machine for operating on sole parts. 2,472,524, June 7.

D'Orsai, Anthony A., Spokane, Wash. Device for enlarging pictures. 2,472,148, June 7.

Dorman & Smith Limited, assignee: *See*—
Atherton, Thomas, and Ryder.

Doughnut Corporation of America, assignee: *See*—
Achica, Virgil E.

Dow Chemical Company, The, assignee: *See*—
Cornell, Robert C.
Frevel, Ludo K.
Moll, Harold W.
Peake, John S.

Dowd, Thomas A., Siler City, N. C. Straddle-type log handling cart with hydraulic lift. 2,472,197, June 7.

Downey, George T., assignor to Aero Supply Mfg. Co., Inc., Corry, Pa. Bellows seal for valve plugs. 2,472,652, June 7.

Drake, Edward P., Glendale, assignor to Clary Multiplier Corporation, Los Angeles, Calif. Tens transfer mechanism. 2,472,696, June 7.

Drasnin, Akivah, Buffalo, N. Y. Umbrella carrying garment. 2,472,286, June 7.

Dreisbach, Paul F.: *See*—
Hultquist, Martin E., and Dreisbach.

Drugmand, Lester D.: *See*—
Cox, Irvin W., and Drugmand.

Drugmand, Lester D., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrode for high-frequency heating of insulation preforms. 2,472,370, June 7.

Du Bois, William H., assignor to Bendix Aviation Corporation, South Bend, Ind. Automatically adjustable disk brake. 2,472,097, June 7.

Dufault, Homer D., Easthampton, assignor to Heatbath Corporation, Springfield, Mass. Combined cooking and air heating stove. 2,472,198, June 7.

Duke, Vernon J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Double time-constant circuit for direct-current restoration. 2,472,577, June 7.

Duman, Louis R., assignee: *See*—
Berger, Paul.

Dumore Company, The, assignee: *See*—
Nash, William W.

Duncan, Richard L., West Lafayette, Ind. Navigational map projection device. 2,472,098, June 7.

Dunn, Ralph L.: *See*—
Yamins, Hyam G., and Dunn.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Holmen, Reynold E.
Leekley, Robert M.
Mighton, Charles J.
Pratt, Burt C.
Shirley, David A.
Weinmayr, Viktor.

Durant, Lyndon A., Chicago, Ill., assignor to Royal Patent Corporation. Automatic time control device for coin-operated phonograph apparatus. 2,472,287, June 7.

Dwyer, Raymond J.: *See*—
Barrie, Arthur J., and Dwyer.

E. A. B. Incorporated, assignee: *See*—
Adams, Harold A., and Eichelberger.

Eastman Kodak Company, assignee: *See*—
Brooker, Leslie G. S., Holcomb, and Banks.
Dickey, Joseph B.
Fuerst, Carl C.
Gregory, Walter A.
Harvey, Douglass C.
Kenyon, William O., and Fowler, Jr.
Kenyon, William O., and Unruh.
Kons, Charles J.
Lubosbez, Benjamin E.
McRae, Daniel B., and McLeod.
Mihalyi, Joseph.
Reed, Alfred B.
Smith, William F., and Stauffer.
Smith, William F., and Trivelli.
Stachle, Henry C.
Stauffer, Robert E., and Smith.
Sun, Kuan-Han.
Utermohlen, William P., Jr.

Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure control mechanism. 2,472,653, June 7.

Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Preparation of mercaptans. 2,472,470, June 7.

Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Preparation of thio-ethers. 2,472,471, June 7.

Edelman, Abraham: *See*—
De Giers, Clarence A., and Edelman.

Edtmiller, Anthony G., assignor to Hummel and Downing Company, Milwaukee, Wis. Knockdown carton. 2,472,698, June 7.

Edwards and Company, Inc., assignee: *See*—
Fish, George R.
Miller, Christian.

Edwards, Samuel H., Richmond, Calif. Fluid pressure operated valve. 2,472,525, June 7.

Eichelberger, Merrill: *See*—
Adams, Harold A., and Eichelberger.

Elsner, Josef, Allestree, Derby, assignor to George Fletcher and Company Limited, Derby, England. Evaporator. 2,472,409, June 7.

Eldee Products Company, The, assignee: *See*—
Berninger, Kenneth L., and Lowrey.

Ellsworth, Carl E., assignor to The Girdler Corporation, Louisville, Ky. Loading tray. 2,472,472, June 7.

Emery, Alfred H.: *See*—
Aldeborgh, Erik H., and Emery.

Endsley, Louis E., Pittsburgh, Pa., W. W. Schettler, and J. H. Lentell, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Fluxing. 2,472,288, June 7.

Engelke Engineering, Incorporated, assignee: *See*—
Engelke, Herman G.

Engelke, Herman G., West Bend, assignor to Engelke Engineering, Incorporated, Hartford, Wis. Pipe-line support. 2,472,654, June 7.

Engle, Loy S., Harrington Park, N. J., and W. Fiker, Jackson Heights, assignors to Interchemical Corporation, New York, N. Y. Rust inhibiting coating compositions. 2,472,099, June 7.

Engler, Walter G.: *See*—
Bennett, Azzel C., and Engler.

Epstein, Hirsch, assignee: *See*—
Berger, Paul.

Epstein, Hirsch, assignor to Advance Transformer Co., Chicago, Ill. Core clamp. 2,472,150, June 7.

Ermert, Carl, Cincinnati, Ohio. Banana pulp free from starch. 2,472,289, June 7.

Eson, Gordon F., assignor to Ex-Cell-O Corporation, Detroit, Mich. Machine tool. 2,472,744, June 7.

Etnyre, E. D. & Co., assignee: *See*—
Etnyre, George M.

Etnyre, George M., assignor to E. D. Etnyre & Co., Oregon, Ill. Distributor for bitumen and like material. 2,472,199, June 7.

Evans Products Company, assignee: *See*—
Sanders, Elmore J.

Everhart, Edgar, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Variable frequency magnetron circuit. 2,472,200, June 7.

Ewaldson, Waldemar C., Millington, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Counterbalancing apparatus. 2,472,151, June 7.

Ex-Cell-O Corporation, assignee: *See*—
Eson, Gordon F.

Eyges, Leonard J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,472,201, June 7.

Fair, William F., Jr., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Bituminous mastic coated metal sheet. 2,472,100, June 7.

Fairbanks, Morse & Co., assignee: *See*—
Endsley, Louis E., Schettler, and Lentell.

Fairchild Camera and Instrument Corporation, assignee: *See*—
Moore, David W., Jr.
Roters, Herbert C.

Fairchild Engine and Airplane Corporation, assignee: *See*—
Gregory, Alfred T.

Fairchild, Theodore M., Johnstown, Pa., assignor to Bethlehem Steel Company. Bottom for metallurgical furnaces. 2,472,655, June 7.

Farkas, Adalbert, and A. F. Stribley, Jr., Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Diesel engine fuel. 2,472,152, June 7.

Farley, Kathryn, Chicago, Ill. Expansible core for use in molding hollow concrete walls. 2,472,068, June 7.

Farnsworth Research Corporation, assignee: *See*—
Mayle, Louis F.
Salinger, Hans W. G., and Beach.
Selgin, Paul J.

Fearon, Robert E., assignor to Well Surveys, Incorporated, Tulsa, Okla. Method and apparatus for detecting radiations. 2,472,153, June 7.

Federal Telephone and Radio Corporation, assignee: *See*—
Mahren, Arthur A.

Fernstrum, Robert W., Detroit, assignor to Joy Products Company, Menominee, Mich. Hellcopter kite. 2,472,290, June 7.

Ferrell, Milton F., and J. K. Moore, Flagstaff, Ariz. Sack holder. 2,472,410, June 7.

Ferris, Seymour W., Mount Holly, N. J., and E. R. Lamson, Hatboro, and D. M. Smith, Norwood, assignors to The Atlantic Refining Company, Philadelphia, Pa. Contacting fluids. 2,472,578, June 7.

Fetterly, Lloyd C., Long Beach, assignor to Shell Development Company, San Francisco, Calif. Conversion of hydrosulfides to neutral sulfur substances. 2,472,473, June 7.

Fikar, Walter: *See*—
Engle, Loy S., and Fikar.

Florito, Grace Z., Woodhaven, N. Y. Maternity garment. 2,472,154, June 7.

Flecher & Porter Company, assignee: *See*—
Brewer, Nathaniel.

Fish, George R., assignor to Edwards and Company, Inc., Norwalk, Conn. Musical chime signal construction. 2,472,371, June 7.

Fish, George R., assignor to Edwards and Company, Inc., Norwalk, Conn. Musical chime signal construction. 2,472,372, June 7.

Fish, George R., assignor to Edwards and Company, Inc., Norwalk, Conn. Musical chime signal construction. 2,472,373, June 7.

Fish, Walter D., Claremont, N. H., assignor to Joy Manufacturing Company. Tool retainer. 2,472,202, June 7.

Fisher, Jay, assignee: *See*—
Bruen, George C.

Fletcher, George, and Company Limited, assignee: *See*—
Elsner, Josef.

Folger, Wayne O., Wichita, Kans. Tractor trailer electrical coupling. 2,472,069, June 7.

Folkers, Karl, Plainfield, and F. R. Koniuszy, Roselle Park, assignors to Merck & Co., Inc., Rahway, N. J. Alkylating phenolic hydroxyl group containing alkaloids and the resulting products. 2,472,411, June 7.

Food Machinery and Chemical Corporation, assignee: *See*—
Krueger, Frank W.

Ford, Harry D.: *See*—
Vennerholm, Gosta, Ford, and Young.

Ford, Henry, Dearborn, and E. Nador, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Stabilizer. 2,472,291, June 7.

Ford Motor Company, assignee: *See*—
Ford, Henry, and Nador.
Groven, Frederick J.
Sorensen, Charles E., and Miller.
Vennerholm, Gosta, Ford, and Young.
Zoerlein, Emil.

Forsberg, Arthur W.: *See*—
Kraner, Otto, and Forsberg.

Forse, Harry D., Anderson, Ind. Pressing machine head control. 2,472,656, June 7.

Fowler, William F., Jr.: *See*—
Kenyon, William O., and Fowler, Jr.

Frasee, Albert C., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Underspeed motor protective system. 2,472,526, June 7.

Fredericksen, George H., assignee: *See*—
Bruen, George C.

Freeman, Roland J., Baldwin, N. Y. Knockdown desk. 2,472,579, June 7.

Frevel, Ludo K., assignor to The Dow Chemical Company, Midland, Mich. Apparatus for producing a convergent X-ray beam. 2,472,745, June 7.

Fricke, Goy C.: *See*—
Thomas, Michael J., and Fricke.

Friedman, Harris L., New York, and L. D. Braitberg, assignors to Pyridium Corporation, Yonkers, N. Y. Benzylideneamino compounds of pyridine. 2,472,292, June 7.

Friedmann, Erna: *See*—
Friedmann, Siegfried and E.

Friedmann, Siegfried and E., St. Louis, Mo. Collapsible parcel carrier. 2,472,206, June 7.

Friedrich, Ed, Inc., assignee: *See*—
Brinkoeter, Paul H.

Friech, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Steam drying apparatus. 2,472,101, June 7.

Fritz, Walter E., Monroeville, Ohio. Impeller for centrifugal force pumps. 2,472,412, June 7.

Fryer, Ross L., Jr., Washington, D. C. Metering device. 2,472,102, June 7.

Fubini, Eugene, New York, N. Y., H. C. Kriegel, Houston, Tex., and J. G. Stephenson, Mineola, N. Y., assignors to the United States of America as represented by the Secretary of War. High-frequency concentric line oscillator. 2,472,204, June 7.

Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter with automatic diaphragm. 2,472,580, June 7.

G-M Laboratories, Inc., assignee: *See*—
McMaster, Archie J.

Gaino, John, Cleveland, Ohio. Machine for cleaning the surfaces of Venetian blind slats. 2,472,155, June 7.

Gangemi, John, Corona, N. Y. Fruit and vegetable slicer. 2,472,609, June 7.

Gantvoort, John M., Somerville, N. J., assignor to American Locomotive Company, New York, N. Y. Heat exchanger. 2,472,413, June 7.

Garretson, Owen L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Pressure controlled liquid outlet valve. 2,472,070, June 7.

Gas Machinery Company, The, assignee: *See*—
Stookey, Kenneth W.

Gash, Charles B., Oak Park, Ill. Latch. 2,472,474, June 7.

Gathmann, Emil, Baltimore, assignor to Gathmann Research Incorporated, Catonsville, Baltimore, Md. Mold assembly for producing cast metal slabs. 2,472,071, June 7.

Gathmann, Emil, Baltimore, assignor to Gathmann Research Incorporated, Catonsville, Baltimore, Md. Ingot mold. 2,472,072, June 7.

Gathmann Research Incorporated, assignee: *See*—
Gathmann, Emil.

Gaveco Laboratories, Inc., assignee: *See*—
Krauer, Otto, and Forsberg.

Gay, Fraser W., Metuchen, N. J. Disconnecting a faulted feeder circuit from a power circuit. 2,472,657, June 7.

Geater, Harold L., Vinton, Iowa. Lawn trimming machine. 2,472,414, June 7.

Geigy, J. R., A. G., assignee: *See*—
Hindermann, Peter.

Geisse, John H., Washington, D. C. Cross-wind landing gear shock absorber for airplanes. 2,472,415, June 7.

Genassani, Roger U.: *See*—
Ward, George C., and Genassani.

General Aniline & Film Corporation, assignee: *See*—
Beller, Hans, Christ, and Wuerth.

General Controls Co., assignee: *See*—
Ray, William A.

General Electric Company, assignee: *See*—
Crary, Selden B.
Hayward, Claude D.
Smith, Sidney E., Jr.
Sprung, Murray M.
Welch, Alanson U., Jr.
Yetter, John W., and Langer, Jr.

General Railway Signal Company, assignee: *See*—
Hailes, William D.

Gerber, Francis G., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Panel access-opening closure. 2,472,156, June 7.

Gibson, Robert M., Pittsburgh, Pa. Blowing tube for molten metal. 2,472,416, June 7.

Giesen, Josef H., U. S. Navy. Modified bone screw holder for surgical drills. 2,472,103, June 7.

Gleesy, A. E., assignee: *See*—
Smith, David C.

Gifford-Wood Company, assignee: *See*—
Bennett, A. Clark, and Engler.

Gilbert, Clyde L., Elkhart, Ind. Rack and pawl actuated quick-acting clamp. 2,472,658, June 7.

Giles, John E., Diablo Heights, C. Z. Resurfacing tool. 2,472,374, June 7.

Gingold, Rudolf, New York, N. Y. Container for a comb. 2,472,700, June 7.

Girdler Corporation, The, assignee: *See*—
Ellsworth, Carl E.

Gladding, B. F., & Company, Inc., assignee: *See*—
Cox, James V.

Goets, Maurus T., assignor to Teletype Corporation, Chicago, Ill. Tape feed suppressor. 2,472,701, June 7.

Goldstine, Hallan R., Port Jefferson, N. Y., assignor to Radio Corporation of America. Signaling system. 2,472,709, June 7.

Gosse, Max, Forest-Brussels, assignor to Solvay & Cie, Brussels, Belgium. Manufacture of glycol. 2,472,417, June 7.

Goodrich, B. F., Company, The, assignee: *See*—
Gerber, Francis G.
Kreis, Alvin S.
Tittle, Harry W.

Gordon, Chester S., Boonton, W. J. Lally, Madison, and G. H. Zieschang, Morristown, N. J., said Gordon and said Lally assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., said Zieschang, assignor to American Telephone and Telegraph Company. Drop wire clamp. 2,472,527, June 7.

Gordon, George H., Bradford Woods, assignor to E. L. Wiegand Company, Pittsburgh, Pa. Control system. 2,472,157, June 7.

Gough, Leslie F., Toronto, Ontario, Canada. Heating unit, including reciprocating grates. 2,472,746, June 7.

Grant, David, Los Angeles, Calif., and N. Bashark, Dayton, Ohio. Infinite stage pump. 2,472,104, June 7.

Green, Ernest: *See*—
Cooper, Victor J., and Green.

Green, Floyd S.: *See*—
Schmelig, Nicholas J., and Green.

Green, Glenn, Lakeville, Ohio, assignor to Syntron Company, Homer City, Pa. Deflocculating bacteria. 2,472,419, June 7.

Green, William E., Los Angeles, Calif. Food container. 2,472,582, June 7.

Greene, Ls E., Muskegon, Mich. Cementitious refractory and making. 2,472,206, June 7.

Greensboro Textile Supply Company, assignee: *See*—
Pons, John A.

Greenstein, Hyman, Brooklyn, N. Y. Knitting finger ring. 2,472,702, June 7.

Greer, John J., Conimicut, R. I. Torque tool with yielding drive. 2,472,659, June 7.

Greer, William J.: *See*—
Wellwood, Elisabeth, McBride, Greer, and Wellwood.

Gregory, Alfred T., Massapequa, assignor to Fairchild Engine and Airplane Corporation, Farmingdale, N. Y. Engine cooling baffle. 2,472,418, June 7.

Gregory, Walter A., Oak Ridge, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparation of alkoxy pyrasolones. 2,472,581, June 7.

Greider, Paul S., Aberdeen, Md. Rheostat for welding. 2,472,205, June 7.

Grimes, Lawrence E., Bristol, Ind. Leather lace skiver. 2,472,528, June 7.

Grossmith, George W., assignor of one-half to Strachan & Henshaw, Limited, Bristol, England. Car and wagon tippler or dumper. 2,472,703, June 7.

Groven, Fredrick J., Highland Park, assignor to Ford Motor Company, Dearborn, Mich. Ventilated and shielded infrared oven. 2,472,293, June 7.

Guinness, Arthur, Son and Company Limited, Messrs., assignee: *See*—
Hughes, Arthur H.

Gulf Oil Corporation, assignee: *See*—
Cantrell, Troy L., and Smith.
Smith, Herschel G., Cantrell, and Peters.

Gundel, Louis M., Chicago, Ill. Fish lure retriever. 2,472,207, June 7.

Gzemski, Felix C., assignor to The Atlantic Refining Company, Philadelphia, Pa. Production of cyclic nitrogen base sulfonates. 2,472,583, June 7.

H-P-M Development Corporation, assignee: *See*—
Purcell, Howard M.

Haahr, Poul, Copenhagen, Denmark. Hydraulic pump. 2,472,529, June 7.

Hackert, Albert B., St. Paul, Minn. Backstop for bowling alleys. 2,472,208, June 7.

Hadley, Wilfred N., assignor to Parks & Woolson Machine Co., Springfield, Vt. Napping machine. 2,472,584, June 7.

Haecks, Erwin, San Francisco, Calif. Dough cutting and placing machine. 2,472,073, June 7.

Hagner, Frederick H., San Antonio, Tex. Touch signal level. 2,472,420, June 7.

Haig, John, & Company, assignee: *See*—
Whittam, Albert.

Hailes, William D., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Single channel radio communication system affording break-in operation. 2,472,585, June 7.

Hale, George C., Dover, N. J. Explosive composition. 2,472,105, June 7.

Hall, Monroe D., Wilmington, Calif. Hydraulic system for vehicle jacks. 2,472,294, June 7.

Hall, William M., Lexington, Mass. Cathode-ray circuit. 2,472,209, June 7.

Hamill, William W., Little Aston, and R. S. Crump, Birmingham, England. Attaching wheels to shafts. 2,472,421, June 7.

Hamilton, Tolbert, Oakland, Calif. Centrifugal amalgamator. 2,472,475, June 7.

Hansen, William W., Garden City, N. Y., assignor to The Sperry Corporation. Broad band antenna. 2,472,106, June 7.

Hardt Foundation, assignee: *See*—
Hardt, Leo L.

Hardt, Leo L., Chicago, Ill., assignor to Hardt Foundation. Antacid composition. 2,472,476, June 7.

Harrington, Ferris T., Detroit, and J. Robinson, Huntington Woods, assignors to Vickers Incorporated, Detroit, Mich. Volume control system for pumps. 2,472,477, June 7.

Harris, Arch W.: *See*—
Avallone, Samuel C., Harris, and Whiting.

Harris, Frederic R., New York, N. Y. Operating and controlling apparatus for dry dock side walls. 2,472,295, June 7.

Harris, Leonard B., and V. R. Pascale, New York, N. Y. Finger-grip shoe tree. 2,472,074, June 7.

Harrison, Alma J., assignor to Proctor & Schwartz, Inc., Philadelphia, Pa. Pipe coupling tool. 2,472,530, June 7.

Hartford-Empire Company, assignee: *See*—
Avery, Charles R.

Hartford National Bank and Trust Company, assignee: *See*—
Blenfait, Henri, and Veenemans.
Mak, Gerrit.

Hartnell, Merton R., Chicago, Ill. Soldering iron tip. 2,472,296, June 7.

Harvey, Douglass C., assignor to Eastman Kodak Company, Rochester, N. Y. Detachable shutter mount for cameras. 2,472,586, June 7.

Harvey, Douglass C., assignor to Eastman Kodak Company, Rochester, N. Y. Blade and cover blind shutter with built-in flash synchronizer. 2,472,587, June 7.

Harwood, Paul D., assignor to Dr. Hess & Clark, Inc., Ashland, Ohio. Coccidiostatic composition. 2,472,422, June 7.

Hathaway, C. F., Co., assignee: *See*—
Logan, Ashley J.

Hawes, Albert H., Erdington, Birmingham, assignor, by mesne assignments, to Kwikform Limited, Small Heath, Birmingham, England. Scaffolding. 2,472,423, June 7.

Hayes, Harvey C., and E. Klein, Washington, D. C. Aconstical apparatus. 2,472,107, June 7.

Hayward, Claude D., Lansdowne, Pa., assignor to General Electric Company. Electric switch. 2,472,588, June 7.

Hazeltine Research, Inc., assignee: *See*—
Loughlin, Bernard D.

Heatbath Corporation, assignee: *See*—
Dufault, Homer D.

Heather, Harold B.: *See*—
Heggs, William H., and Heather.

Heggs, William H., and H. G. Heather, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for assembling and molding shoe bottom parts. 2,472,210, June 7.

Heller, Joseph I., assignor to Panoramic Radio Corporation, New York, N. Y. Panoramic receiver with pulse narrowing systems. 2,472,531, June 7.

Hellman, Jacob J., Atlanta, Ga. Button card. 2,472,532, June 7.

Helterline, Lee L., Jr., Danvers, assignor to Sylvania Electric Products, Inc., Salem, Mass. Resistance apparatus for converting mechanical movement into electrical pulses. 2,472,770, June 7.

Henry, James M., Needham, Mass., assignor to American Telephone and Telegraph Company. Radio beacon system. 2,472,158, June 7.

Hercules Powder Company, assignee: *See*—
Pratt, Yolanda T.

Herrick, Roswell H., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Antisinging gain controlled repeater. 2,472,211, June 7.

Hersberger, Arthur B., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Polymerization of alpha alkyl styrenes. 2,472,589, June 7.

Hess, Dr., & Clark, Inc., assignee: *See*—
Harwood, Paul D.

Heyman, Moses D., Woodmere, N. Y. Mica base heating sheet. 2,472,533, June 7.

Heywood-Wakefield Company, assignee: *See*—
Patton, John W.
Smith, George C.

Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Thrust gauge for projectiles. 2,472,108, June 7.

Hill, Douglas G. B., assignee: *See*—
Blackinton, James G.

Hindermann, Peter, assignor to J. R. Geigy A. G., Basel, Switzerland. Metallisable monoazo dipyrazolones. 2,472,109, June 7.

Hinds, Sherwood, Columbia City, assignor to The Wayne Pump Company, Fort Wayne, Ind. Variating mechanism. 2,472,478, June 7.

Hinnekens, Maurice G., Paterson, N. J. Tenter clip. 2,472,375, June 7.

Hirschler, Alfred E., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Separating hydrocarbons by adsorption. 2,472,250, June 7.

Hoff, John G., assignor to The Tappan Stove Company, Mansfield, Ohio. Handle mounting. 2,472,479, June 7.

Holcomb, Walter F.: *See*—
Brooker, Leslie G. S., Holcomb, and Banks.

Hole, Harvey K., Dayton, Ohio. Flying kite and control. 2,472,075, June 7.

Holmen, Reynold E., Ann Arbor, Mich., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous interpolymers. 2,472,661, June 7.

Holmes, Eric L.: *See*—
Prescott, William G., Akeroyd, and Holmes.

Holt, Harry C., Cranston, R. I. Exploding ship toy. 2,472,297, June 7.

Homan, Paul, Napoleon, Ohio. Outboard motor mounting. 2,472,704, June 7.

Homrighous, John H., Oak Park, Ill. Time division carrier multiplex telephone system. 2,472,706, June 7.

Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Apparatus for molding glass. 2,472,660, June 7.

Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of cuprous naphthenate in the treatment of petroleum oil. 2,472,253, June 7.

Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of cuprous naphthenate. 2,472,424, June 7.

Hope-Walton, Lionel W.: *See*—
Caldwell, Percy G., and Hope-Walton.

Horne, Gilder S., Charlotte, N. C. Tobacco curing apparatus. 2,472,534, June 7.

Houghton, John B., Sanger, Calif. Hoisting device. 2,472,251, June 7.

Howard, Charles W., Franklin, Ohio. Pipe joint. 2,472,425, June 7.

Howe, George R., Medaryville, Ind. Scraper guide. 2,472,076, June 7.

Hudspeth, Emmett L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Locating beacons. 2,472,212, June 7.

Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Reduction drive mechanism. 2,472,771, June 7.

Hughes, Arthur H., assignor to Messrs. Arthur Guinness Son and Company Limited, Dublin, Eire. Preservation of beer. 2,472,252, June 7.

Huhn, John, Jr., Detroit, Mich. Clothes rack. 2,472,480, June 7.

Hulst, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Pulse transmission system. 2,472,706, June 7.

Hulsted, George E., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Antenna system. 2,472,213, June 7.

Hultquist, Martin E., and D. R. Seeger, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing pterins. 2,472,481, June 7.

Hultquist, Martin E., Bound Brook, and F. F. Dreisbach, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing substituted pterins. 2,472,482, June 7.

Hummel and Downing Company, assignee: *See*—
Edtmiller, Anthony G.

Hunt, Ernest R.: *See*—
Rhodes, Thornton R., and Hunt.

Hurd, Charles D.: *See*—
Bonner, William A., and Hurd.

Horvitz, Hyman, Washington, D. C. Pressure responsive electrical resistor. 2,472,214, June 7.

Hutchings, John H., assignor to Continental Electric Company, Geneva, Ill. Cathode structure for electric discharge devices. 2,472,077, June 7.

Husenlaub, Erich G., Brentford, England, assignor to Mars and Husenlaub, Chicago, Ill. Enriching the endosperm of cereal grains with natural vitamins. 2,472,426, June 7.

Hybler, Bretislav, Hubalov, Czechoslovakia. Electric headlighting for vehicles. 2,472,078, June 7.

Hydrocarbon Research, Inc., assignee: *See*—
Keith, Percival C.

Imperial Brass Manufacturing Company, The, assignee: *See*—
Dobrick, August C.

Imperial Chemical Industries Limited, assignee: *See*—
Clark, William J.
Curd, Francis H. S., Raison, and Rose.
McLean, Andrew, and Marrian.
Sexton, Wilfred A.
Smith, Arthur E. W., Scaife, and Baldock.
Wilkinson, Donald G.

Ingebretsen, Olaf M., Prospect Park, Pa. Tobacco pipe. 2,472,159, June 7.

Insley Manufacturing Corporation, assignee: *See*—
Russell, Louis R.

Interchemical Corporation, assignee: *See*—
Engle, Loy S., and Fikar.
Rietz, Charles A.

International Derrick & Equipment Company, assignee: *See*—
Blose, Richard R., and McLerran.

Iscber, Hans, Basel, assignor to the firm Sandoz Ltd., Fribourg, Switzerland. Diazo dyestuffs and their manufacture. 2,472,215, June 7.

Ivers-Lee Company, assignee: *See*—
Salfisberg, Leroy I.

James, Louise, and J. E. Jubin, New Orleans, La. Combined hat stay and compartmenting means for hat boxes. 2,472,079, June 7.

Jaros, John: *See*—
Klein, William, and Jaros.

Jatul, Bernard B.: *See*—
Wilcox, Paul W., and Jatul.

Jenkins, Cecil: *See*—
Woolslayer, Homer J., Jenkins, and Luttgen.

Jensen, Charles A., Buffalo, N. Y. Cleaning, penetrating, and corrosion loosening composition. 2,472,298, June 7.

Jerome, Ivan, Massapequa, N. Y. Universal motion and still picture camera. 2,472,299, June 7.

Johns, S. W., assignee: *See*—
Schulse, John J.

Johnson, Ava J., Oakland, assignor to Shell Development Company, San Francisco, Calif. Apparatus and method for carrying out catalytic reactions. 2,472,254, June 7.

Johnson, Everett A., Park Ridge, assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon synthesis with fluidized catalyst regeneration. 2,472,427, June 7.
Johnson, John A.: *See*—
Kyle, Anthony, and Johnson.
Johnson, S. C., & Son, Inc., assignee: *See*—
Newhall, Joseph F. P.
Jones, Alvin J., and C. C. W. Williams, assignors to Landis Tool Company, Waynesboro, Pa. Work leading device for grinding machines. 2,472,707, June 7.
Jones, John W., Jr., Los Angeles, Calif., assignor to Radio Corporation of America. Wood adhering machine. 2,472,708, June 7.
Jones, Minor C. K.: *See*—
Brandon, Richard C., and Jones.
Jones, Roy W., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. All relay telephone line circuit and line finder. 2,472,428, June 7.
Jones, Walter R., Emporium, Pa., assignor to Sylvania Electric Products, Inc. Base shield. 2,472,747, June 7.
Jones, William, assignor to Pye Limited, Cambridge, England. Electric remote-control or indicating system. 2,472,535, June 7.
Jordan, William D., Anamosa, Iowa. Barrel contracting tool. 2,472,080, June 7.
Joy Manufacturing Company, assignee: *See*—
Fish, Walter D.
Joy Products Company, assignee: *See*—
Fernstrum, Robert W.
Jubin, Joseph E.: *See*—
James, Louise, and Jubin.
Kadleck, John H., Pasadena, Calif. Shutter-fold awning. 2,472,429, June 7.
Kantor, Abraham I., Bloomfield, N. J. Binding for linoleum. 2,472,081, June 7.
Kasik, Robert J., Chicago, Ill. Window stop. 2,472,216, June 7.
Kaslow, Ben E., assignee: *See*—
Brauch, Albert L.
Kasner, Edward: *See*—
Andresen, John H., Jr., and Kasner.
Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,472,772, June 7.
Kearsley, William K., Schenectady, A. F. Winslow, Scotia, and H. A. Liebhafsky, Schenectady, N. Y., assignors by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Electric cell of the immersion type. 2,472,376, June 7.
Kell, Otto C., Jr., Quakertown, and J. H. Lofton, Havertown, assignors to Philco Corporation, Philadelphia, Pa. Tuning indicator system. 2,472,536, June 7.
Keiser, Bernhard: *See*—
De Groote, Melvin, and Keiser.
Keith, Percival C., Peapack, N. J., assignor to Hydrocarbon Research, Inc., New York, N. Y. Hydrocarbon synthesis. 2,472,377, June 7.
Kemplin, Ray V., Chicago, Ill. Self-fastening cord holder. 2,472,300, June 7.
Kenyon, William O., and C. C. Unruh, assignors to Eastman Kodak Company, Rochester, N. Y. Oxidation of starch with nitrogen dioxide. 2,472,590, June 7.
Kenyon, William O., and W. F. Fowler, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Preparing an oxidized nitrated cellulose. 2,472,591, June 7.
Kerchal, Edward R.: *See*—
Lanta, Jewell M., and Kerchal.
Kerr Manufacturing Company, assignee: *See*—
Christian, Rodney E.
Keuffel & Esser Company, assignee: *See*—
Baker, Allister L.
Kiefer, George C., Springdale, Pa., assignor to Allegheny Ludlum Steel Corporation. Inorganic insulating coating for electrical steel sheet and strip. 2,472,592, June 7.
Kimball, Thomas B., Greenwich, Conn., assignor to Sinclair Refining Company, New York, N. Y. Hydrocarbon conversion with fluidized catalyst. 2,472,537, June 7.
King, Earl W., New York, N. Y. Ball bearing drawer. 2,472,593, June 7.
King, Frank W., Portland, Oreg. Separable rim. 2,472,328, June 7.
Kinz, Wilbert W., Bellevue, Ohio. Suspension clamp. 2,472,662, June 7.
Kinner Manufacturing Company, assignee: *See*—
Lavash, Francis L.
Kispert, Joseph J., Mount Carmel, Conn. Garment. 2,472,329, June 7.
Klein, Elias: *See*—
Hayes, Harvey C., and Klein.
Klein, William, and J. Jaros, Warroad, Minn. Weed eradicating machine. 2,472,330, June 7.
Kleine, Carl W. A. and M. R. S., Stockholm, Sweden. Cattle feed. 2,472,663, June 7.
Kleine, Milena Regina Stella: *See*—
Kleine, Carl W. A. and M. R. S.
Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser welding system. 2,472,110, June 7.
Knapp, Harry M., Scotch Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control of electrical contacting elements. 2,472,709, June 7.
Kneass, N. B., assignee: *See*—
Barcus, John W.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency modulated-amplitude modulated receiver. 2,472,301, June 7.
Koehler, Fred G., Chicago, Ill. Traction attachment for motor vehicles. 2,472,331, June 7.
Koeln, Carl C., St. Louis County, Mo. Removable drilling bit. 2,472,710, June 7.
Kohl, Everard F., Lakewood, Ohio. Circuit interrupting device. 2,472,332, June 7.
Kohl, Everard F., Lakewood, Ohio. Snap acting electric switch. 2,472,333, June 7.
Konlussy, Frank R.: *See*—
Folkers, Karl, and Konlussy.
Koppers Company, Inc., assignee: *See*—
Fair, William F., Jr.
Krauer, Otto, Yonkers, and A. W. Forsberg, New Gardens, assignors by mesne assignments, to Gaveco Laboratories, Inc., New York, N. Y. Alternator control system. 2,472,538, June 7.
Kriegel, Hegar C.: *See*—
Fubini, Eugene, Kriegel, and Stephenson.
Krippendorf, Louis H., White Plains, assignor to American Catheter Corporation, Port Chester, N. Y. Catheter-type instrument. 2,472,483, June 7.
Krippendorf, Louis H., White Plains, assignor to American Catheter Corporation, Port Chester, N. Y. Catheter-type instrument. 2,472,484, June 7.
Krippendorf, Louis H., White Plains, assignor to American Catheter Corporation, Port Chester, N. Y. Catheter-type instrument. 2,472,485, June 7.
Kroeger, William J., and C. W. Musser, Philadelphia, Pa. Recoilless firearm and ammunition therefor. 2,472,111, June 7.
Krots, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Flexible truck for rail vehicles. 2,472,160, June 7.
Krueger, Frank W., Atherton, Calif., assignor to Food Machinery and Chemical Corporation, Apparatus for capping containers. 2,472,664, June 7.
Kryl, Godfried, Inwood, N. Y. Vacuum-actuated abrading device. 2,472,161, June 7.
Kuehn, Jack W., Minneapolis, Minn., and M. J. Rosefield, Alameda, Calif. Apparatus for progressively melting and dispensing solidified materials. 2,472,594, June 7.
Kuney, Clarence F., H. J. Wurst, and R. J. Berrow, assignors to Crittall-Federal, Inc., Waukesha, Wis. Mullion. 2,472,162, June 7.
Kuns, Charles J., assignor to Eastman Kodak Company, Rochester, N. Y. Removal of excess liquid from wet film. 2,472,596, June 7.
Kuns, Jacob T., North Hills, assignor to Schulmerich Electronics, Incorporated, Sellersville, Pa. Musical instrument. 2,472,595, June 7.
Kwikform Limited, assignee: *See*—
Hawes, Albert H.
Kyle, Anthony, and J. A. Johnson, Los Angeles, Calif. Toolholder. 2,472,255, June 7.
Labus, Otto A., assignor to The Trans Company, La Crosse, Wis. Air register. 2,472,748, June 7.
Ladner, Bruce, New Orleans, La. Liquid level signal device for tanks. 2,472,665, June 7.
Lake, William F., Los Angeles, Calif. Well reaming tool. 2,472,749, June 7.
Lally, William J.: *See*—
Gorden, Chester S., Lally, and Zicschang.
Lamson, Edward R.: *See*—
Ferris, Seymour W., Lamson, and Smith.
Landis & Gyr, A. G., assignee: *See*—
Bollmann, Karl, and Meier.
Landis Tool Company, assignee: *See*—
Jones, Alvin J., and Williams.
Langan, Eugene E., Rutherford, N. J., N. E. Lemmon and F. W. Schuessler, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Refining hydrocarbon oils. 2,472,217, June 7.
Langer, Frederick G., Jr.: *See*—
Yetter, John W., and Langer, Jr.
Lanta, Jewell M., Oswego, and E. R. Kerchal, Portland, Oreg. Connecting rod aligning jig. 2,472,163, June 7.
Lavash, Francis L., Dedham, assignor to Kinney Manufacturing Company, Jamaica Plain, Mass. Multiple clinch. 2,472,750, June 7.
Lawson, Herbert E., Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of the Navy. Battery electrolyte with phosphoric acid. 2,472,379, June 7.
Lawson, James L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Detection of high-frequency electric oscillations. 2,472,378, June 7.
Leatherman, Martin, U. S. Army. Fireproofing coating composition. 2,472,112, June 7.
Le Clair, Harriette, Brockton, Mass. Glove incorporating a change purse. 2,472,751, June 7.
Lee, Chite S., Detroit, Mich. Forming paper clips. 2,472,711, June 7.
Lee, Hoard, Houston, Tex., assignor of one-half to T. S. McFarland, Cook County, Ill. Cigar and cigarette lighter. 2,472,773, June 7.
Leekley, Robert M., Chicago, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of dye intermediates. 2,472,666, June 7.
Lehwalder, David C.: *See*—
Nixon, Alan C., Lehwalder, and Chaney.

Lemmen, Norman E.: *See*—
Langan, Eugene E., Lemmen, and Schnessler.
Lentell, John H.: *See*—
Endsley, Louis E., Schettler, and Lentell.
Le Roy, Norman H.: *See*—
Counts, Ewell C., and Le Roy.
Lesnick, Robert N.: *See*—
Matsen, Leslie E., and Lesnick.
Lessard, Maurice J., Grand Forks, N. Dak. Manicuring device. 2,472,667, June 7.
Levinson, George, New York, N. Y. Locking means for cases, containers, and the like. 2,472,486, June 7.
Levy, Milton C., Chicago, Ill. Fluorescent lamp and assembly therefor. 2,472,597, June 7.
Lewandowski, Frank B., Detroit, Mich. Putty knife. 2,472,668, June 7.
Liebhafsky, Herman A.: *See*—
Kearsley, William K., Winslow, and Liebhafsky.
Lifschitz, Morris, New York, N. Y. Roll paper dispenser. 2,472,712, June 7.
Lijoi, Ernesto, Brooklyn, N. Y. Electric water-heating system. 2,472,713, June 7.
Liquidometer Corporation, The, assignee: *See*—
de Giers, Clarence A., and A. Edelman.
Litt, Edward: *See*—
Litt, Samuel and E.
Litt, Samuel and E., New York, N. Y. Feminine garment. 2,472,302, June 7.
Lofton, Jesse H.: *See*—
Kell, Otto C., Jr., and Lofton.
Logan, Ashley J., assignor to C. F. Hathaway Co., Waterville, Maine. Collar. 2,472,480, June 7.
Long, John H., New York, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Screen for optical displacement gauges. 2,472,380, June 7.
Longo, Andrew J., assignee: *See*—
Barbagallo, Alfred.
Loughlin, Bernard D., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Ultra high frequency oscillation generator. 2,472,598, June 7.
Lovell, John B., Baton Rouge, La., assignor to Standard Oil Development Company. Butadiene extraction. 2,472,487, June 7.
Lowrey, Chauncey H.: *See*—
Berninger, Kenneth L., and Lowrey.
Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Dental X-ray film package. 2,472,599, June 7.
Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Optical erecting prism for folding a light path. 2,472,600, June 7.
Lucia, Louis V., assignee: *See*—
Short, Frank.
Luttgen, William H.: *See*—
Woolslayer, Homer J., Jenkins, and Luttgen.
Lyon, Ernest F., Hinton, Okla. Combination shade and curtain rod holder. 2,472,220, June 7.
Lyons, Leland R., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Synthesis of hydrocarbons. 2,472,219, June 7.
Lyons, Walter, Wenonah, N. J., assignor to Radio Corporation of America. Radio reception. 2,472,218, June 7.
Mackereth, Edward J., Mimico, Ontario, Canada. Mounting bracket for transformers. 2,472,752, June 7.
Mahren, Arthur A., Long Island City, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cable end receptacle. 2,472,113, June 7.
Mak, Gerrit, Hendon, South Australia, Australia, assignor to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Voltage stabilizer. 2,472,256, June 7.
Makewsky, J., Corporation, assignee: *See*—
Van Rosen, Robert.
Mallory, Henry R., assignor to Pioneer Parachute Company, Inc., Manchester, Conn. Parachute canopy. 2,472,601, June 7.
Malone, Edward J., Maple Heights, assignor to The Brush Development Company, Cleveland, Ohio. Growing crystals. 2,472,303, June 7.
Maltheuse, Ernest G., Sheffield, England. Erection of brickwork structures. 2,472,221, June 7.
Mankin, Arthur H., North Merrick, N. Y., assignor to Philco Corporation, Philadelphia, Pa. Automatic focus control for cathode-ray tubes. 2,472,165, June 7.
Mannheimer, Carl, St. Paul, Minn. Cooking apparatus. 2,472,164, June 7.
Manville, Charles J., Pontiac, Mich., assignor, by mesne assignments, to The Burt Manufacturing Company, Akron, Ohio. Overhead door structure. 2,472,602, June 7.
Marble, Jarvis, assignee, trustee: *See*—
Boestad, Gustav K. W., and Nilsson.
Marcil, Mitchell M., Springfield, Mass. Universal height gauge attachment. 2,472,431, June 7.
Marder, Herbert B., Chicago, Ill. Visual training device. 2,472,114, June 7.
Marrian, Stanley F.: *See*—
McLean, Andrew, and Marrian.
Mars and Huzenlaub, assignee: *See*—
Huzenlaub, Erich G.

Martin, Glenn L., Company, The, assignee: *See*—
Schnize, Richard B.
Mason, Ralph B., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Etching aluminum. 2,472,304, June 7.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,472,715, June 7.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,472,753, June 7.
Massa, Frank, Cleveland Heights, Ohio. Piezoelectric sound pressure microphone. 2,472,714, June 7.
Mathewson, Albert, Mount Vernon, N. Y. Malleable display holder. 2,472,166, June 7.
Mathewson, Maxwell L., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Grinding machine. 2,472,222, June 7.
Mathy, Eugene V., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preventing coke formation in preheater tubes. 2,472,060, June 7.
Matson, Leslie E., Jr., Collingswood, and R. N. Lesnick, Camden, N. J., assignors to Radio Corporation of America. Frequency sensitive circuit. 2,472,167, June 7.
Matter, Albert J., Park Ridge, assignor to Crane Packing Company, Chicago, Ill. Shaft seal with internal drive. 2,472,257, June 7.
Maxwell, Albert A. F., assignee, trustee: *See*—
Ramage, Alexander S.
Mayer, Leonard L., New York, N. Y. Form for electric winding coil. 2,472,603, June 7.
Mayer, William G., Asbury Park, N. J. Triggered spark gap. 2,472,115, June 7.
Mayle, Louis F., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Irregular interlace scanning system. 2,472,774, June 7.
Maynes, Emma C., assignee: *See*—
Maynes, Hyla F.
Maynes, Hyla F., assignor of one-half to E. C. Maynes, Miami, Fla. Syringe holder. 2,472,116, June 7.
McBride, Robert J.: *See*—
Wellwood, Elisabeth, McBride, and Wellwood.
McCleery, Harold L., and C. B. Stair, Downers Grove, Ill.; said McCleery assignor to said Stair. Traffic analyzer. 2,472,258, June 7.
McCrea, James W.: *See*—
Owens, William G., and McCrea.
McCune, Donald C., and H. Brooks, Cleveland, Ohio. Trailer hitch. 2,472,432, June 7.
McDonald, Eugene F., Jr., Chicago, Ill. Rheostat with switch. 2,472,604, June 7.
McElhinney, Eric M., Dysart, and T. A. Podhajsky, Traer, Iowa. Loader machine. 2,472,223, June 7.
McFarland, James, Racine, Wis. Hand truck. 2,472,670, June 7.
McFarland, T. S., assignee: *See*—
Lee, Hoard.
McGlenn, Robert C., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Fire extinguishing powder. 2,472,539, June 7.
McGowen, Frank, and M. C. Travis, assignors to Continental Motors Corporation, Muskegon, Mich. Combustion chamber construction. 2,472,117, June 7.
McHenry, Harland L., Sayre, Pa., assignor to Bendix Aviation Corporation. Reciprocating electromagnetic motor. 2,472,334, June 7.
McLean, Andrew, West Kilbride, and S. F. Marrian, Ardrossan, Scotland, assignors to Imperial Chemical Industries Limited. Flameproofing combustible cellulosic material. 2,472,335, June 7.
McLeod, John H.: *See*—
McRae, Daniel B., and McLeod.
McLerran, Archie R.: *See*—
Bless, Richard R., and McLerran.
McLoughlin, James E.: *See*—
Quinn, Gerald S., and McLoughlin.
McMaster, Archie J., assignor to G-M Laboratories, Inc., Chicago, Ill. Two range exposure meter. 2,472,381, June 7.
McNaught, Robert P., San Francisco, Calif. Window clothesline support. 2,472,488, June 7.
McNulty, John V., Binghamton, assignor to Bendix Aviation Corporation, New York, N. Y. Electrical apparatus. 2,472,671, June 7.
McPherson, Duncan, Los Gatos, Calif. Producing three-dimensional pictures. 2,472,259, June 7.
McRae, Daniel B., San Diego, Calif., and J. H. McLeod, assignors to Eastman Kodak Company, Rochester, N. Y. Depositing optical interference coatings. 2,472,605, June 7.
Mead, Warren J., Belmont, Mass. Making and maintaining an impression of the shape of an object. 2,472,764, June 7.
Meador, Jim C., Shreveport, La. Piston ring. 2,472,540, June 7.
Mehltretter, Charles L., C. E. Rist, and B. H. Alexander, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of D-glucosaccharic acid. 2,472,108, June 7.
Meier, Hans: *See*—
Bollmann, Karl, and Meier.
Merck & Co., Inc., assignee: *See*—
Folkers, Karl, and Konlussy.
Wolf, Frank J., and Tishler.

Merrill, Leslie M., assignee, trustee: *See*—
Boestad, Gustav K. W., and Nilsson.
Michaelson, Rose, New York, N. Y. Brassière. 2,472,606, June 7.
Mighton, Charles J., Christiana Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinyl sulfone-diene interpolymers. 2,472,672, June 7.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Variable aperture curtain shutter for cameras. 2,472,607, June 7.
Millen, Edward L., Brookline, Mass. Screw driver having expanding screw holding bit. 2,472,673, June 7.
Miller, Charles F., Denver, Colo. Post puller. 2,472,305, June 7.
Miller, Christian, assignor to Edwards and Company, Inc., Norwalk, Conn. Musical chime signal construction. 2,472,332, June 7.
Miller, Frank O., Farmingdale, and L. S. Bogert, Richmond Hill, assignors to Republic Aviation Corporation, Farmingdale, N. Y. Spanner wrench with work-retaining loop. 2,472,716, June 7.
Miller, Logan C.: *See*—
Sorensen, Charles E., and Miller.
Miller, Walter J., South Bend, Ind. Bed beater. 2,472,224, June 7.
Milnor, Joseph W., Maplewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Means and method for switching of telegraph messages. 2,472,008, June 7.
Milster, Arthur N., Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake testing device. 2,472,341, June 7.
Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Minster Machine Company, The, assignee: *See*—
Wiseman, Reuben E.
Minukas, Alfred, assignee: *See*—
Nissen, Henry.
Minuto, Octavio J., Philadelphia, Pa. Taper measuring instrument. 2,472,306, June 7.
Mistretta, Vincent F.: *See*—
Schneider, Helmuth G., and Mistretta.
Moerman, Nathan A., Brooklyn, assignor to Potter Instrument Company, Inc., Flushing, N. Y. Electronic totalising system. 2,472,542, June 7.
Moll, Harold W., assignor to The Dow Chemical Company, Midland, Mich. Di-(2-chloro-cyclohexyl)-sulfide as insecticide. 2,472,755, June 7.
Möller, Ragnar O. J., Finspong, Sweden. Radial-flow turbine of double rotation type. 2,472,543, June 7.
Monroe Calculating Machine Company, assignee: *See*—
Britten, Edwin F., Jr.
Montres Rolex SA (Rolex Watch Co. Ltd.) assignee: *See*—
Prefre, Armand.
Moore, David W., Jr., New York, N. Y., assignor to Fairchild Camera and Instrument Corporation. Elastic fluid-flow measuring system. 2,472,609, June 7.
Moore, Edmond E.: *See*—
Moore, Marjorie B., and E. E.
Moore, Joseph K.: *See*—
Ferrell, Milton F., and Moore.
Moore, Lee C., Corporation, assignee: *See*—
Woolslayer, Homer J., Jenkins and Luttgen.
Moore, Marjorie B., and E. E., Wankegan, Ill., assignors to Abbott Laboratories. Biotin intermediate. 2,472,433, June 7.
Moore, Wiley T., U. S. Army, Laverne, Okla., and R. N. Nelson, Black River Falls, Wis., assignors to the United States of America, as represented by the Secretary of War. Explosive bullet. 2,472,118, June 7.
Morand, Emil, Jersey City, N. J. Duplex box or carton. 2,472,674, June 7.
Morey, Carlyle J., Minneapolis, Minn. Lubricating oil purifier. 2,472,717, June 7.
Morrill, Melvin A., Laton, Calif. Side delivery rake. 2,472,260, June 7.
Morris Motors Limited, assignee: *See*—
Skinner, Peter G.
Muddiman, Earll R., Wilkinsburg, Pa., assignor to Carnegie-Illinois Steel Corporation. Sheet piling apparatus. 2,472,225, June 7.
Mueller, Alfred I., Hoopeston, Ill. Side posture chiropractic adjusting table. 2,472,675, June 7.
Mueller, Emil G., Churchill Borough, assignor to The American Brake Company, Swissvale, Pa. Brake rigging. 2,472,169, June 7.
Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Crankshaft and making same. 2,472,261, June 7.
Mueller, William S., Amherst, Mass., assignor to the United States of America as represented by the Secretary of War. Stabilization of butter. 2,472,119, June 7.
Mullan, Charles F., Long Branch, N. J., assignor to Republic Aviation Corporation, Farmingdale, N. Y. Sorter. 2,472,718, June 7.
Mullen, Josephine H., Dayton, Ohio. Clothes hanger. 2,472,262, June 7.
Murphy, Ivester R., U. S. Army. Explosively actuated tool. 2,472,120, June 7.
Musser, Clarence W.: *See*—
Kroeger, William J., and Musser.
Myrela, George, New York, N. Y. Peg game board. 2,472,719, June 7.
Nader, Emory: *See*—
Ford, Henry, and Nader.
Naegeli, Werner, assignor to Actiengesellschaft, Joh. Jacob Rieter & Cie, Winterthur, Switzerland. Driving arrangement for spindles of spinning and doubling frames. 2,472,226, June 7.
Nagel, Henryk, Bronx, N. Y. Coupling device for detachably securing sunshades, filter holders, and like accessories to the lens barrels of cameras. 2,472,307, Jun 7.
Nagel, Theodore, Brooklyn, N. Y. Burning oil. 2,472,720, June 7.
Naras Research Inc., assignee: *See*—
Schwartz, Nathan R.
Nash, William W., Salem, assignor to The Dumore Company, Racine, Wis. Supplying lubrication as a fine mist. 2,472,170, June 7.
Nashua Gummed and Coated Paper Company, assignee: *See*—
Smith, Robert L.
National Folding Box Company, Incorporated, assignee: *See*—
Williamson, Marshall I.
National Lock Company, assignee: *See*—
Stone, Roy A.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Brode, Robert B.
Davis, Lincoln K.
Kearsley, William K., Winslow, and Liebhafsky.
Lawson, Herbert E.
Lawson, James L.
Long, John H.
Thuras, Albert L.
Needle, Michael: *See*—
Dillon, John J., and Needle.
Nelson, Charles R.: *See*—
Weber, Martin K., and Nelson.
Nelson, Richard N.: *See*—
Moore, Wiley T., and Nelson.
Nelson, William R.: *See*—
Roach, Harding F., and Nelson.
Nelsson, Nels, assignor to United States Gypsum Company, Chicago, Ill. Partition structure. 2,472,756, June 7.
Nergaard, Leon S., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device employing cavity resonator circuits. 2,472,721, June 7.
Newhall, Joseph F. P., St. Petersburg, Fla., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Treating potatoes. 2,472,775, June 7.
New Jersey Zinc Company, The, assignee: *See*—
Boyle, Edward J.
Newman, Donald K.: *See*—
Yocam, Lee E., and Newman.
Newstead, Ralph, New York, N. Y. Vertically adjustable table. 2,472,722, June 7.
Newton, John S.: *See*—
Arnold, Edwin E., and Newton.
New York Air Brake Company, The, assignee: *See*—
Whittingham, David J.
Nilsson, Hans R.: *See*—
Boestad, Gustav K. W., and Nilsson.
Nissen, Henry, assignor to A. Minukas, Hartford, Conn. Electromagnetic hill holder for vehicles. 2,472,544, June 7.
Nixon, Alan C., Berkeley, D. C. Lehwalder, Oakland, and H. A. Cheney, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Distillation of olefin-hydrogen chloride mixtures. 2,472,610, June 7.
Nixon, Leslie R., New Eltham, London, assignor to J. Stone & Company, Limited, Deptford, England. Apparatus for testing voltage regulators. 2,472,545, June 7.
Nunnally, William B., Jr., Atlanta, Ga. Smoothing iron holder. 2,472,676, June 7.
Oblinger, Leroy I., assignee: *See*—
Smith, David C.
O'Halloran, James, assignor to Anglo-Canadian Pulp and Paper Mills Limited, Quebec, Quebec, Canada. Segmental chute for loading materials. 2,472,808, June 7.
Oliver United Filters Incorporated, assignee: *See*—
Ackerly, Orville E., Jr.
Olson, Norman B., San Diego, Calif. Key container. 2,472,337, June 7.
Opsahl, Earl J., North Hollywood, Calif. Swimming pool apparatus. 2,472,309, June 7.
Ornfelt, John, Morristown, N. J., assignor, by mesne assignments, to American House Foods, Inc. Decaffeinated soluble coffee. 2,472,121, June 7.
Oroshnik, William, Brooklyn, N. Y., assignor to Ortho Pharmaceutical Corporation. Preparing the ethynyl carbinol of β-ionone. 2,472,310, June 7.
Ortho Pharmaceutical Corporation, assignee: *See*—
Oroshnik, William.
Osborn, Katharine S., assignee, executrix: *See*—
Sprong, Severn D.
Ostendorf, Bernard, Jr., Jamaica, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control circuit. 2,472,611, June 7.
Österdahl, Eric L. L., Stockholm, assignor to E. A. Bergs Fabriks Aktiebolag, Eskilstuna, Sweden. Wedge locked, sliding side jaw wrench. 2,472,388, June 7.
Oswald, Marcel V., assignor to Societe Le Carbone Lorraine, Paris, France. Producing electrodes for electric arcs. 2,472,171, June 7.

Ouellette, Maxime E., Macwahoc, Maine. Switch mechanism for fire alarms. 2,472,266, June 7.
Outboard, Marine & Manufacturing Company, assignee: *See*—
Sidell, Philip A.
Ovens, William G., Midland Park, and J. W. McCrea, Radburn, N. J., assignors to Wright Aeronautical Corporation. Hose clamp. 2,472,172, June 7.
Overturf, C. A., assignee: *See*—
Banks, Harry J.
Owens, Fred L., Long Beach, Calif. Air conditioning attachment for toilets. 2,472,368, June 7.
Pacific Can Company, assignee: *See*—
Boarland, Eli.
Page, Thomas M., Detroit, Mich. Razor sharpener. 2,472,231, June 7.
Paillard S. A., assignee: *See*—
Prezioso, Giuseppe.
Palat, Walter D., Orange, and F. Berardinelli, Newark, N. J., assignors to Celanese Corporation of America. Stabilizing a cellulose ether. 2,472,227, June 7.
Panoramic Radio Corporation, assignee: *See*—
Heller, Joseph I.
Parker, Elwell Electric Company, The, assignee: *See*—
Cochran, Clyde E.
Parks & Woolson Machine Co., assignee: *See*—
Hadley, Wilfred N.
Parrish, Sherman S., Minneapolis, Minn. Putter. 2,472,312, June 7.
Parsons and Marine Engineering Turbine Research and Development Association, The, assignee: *See*—
Brown, Thomas W. F.
Pascale, Vito R.: *See*—
Harris, Leonard B., and Pascale.
Pasko, William, Toronto, Ontario, Canada. Producing felt footwear. 2,472,263, June 7.
Patton, John W., Philadelphia, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass. Seat, especially for rail cars. 2,472,339, June 7.
Paulsen, Hans C., Medford, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Trimming machine. 2,472,228, June 7.
Payne, Frank E., Glenview, assignor to Crane Packing Company, Chicago, Ill. Double seal. 2,472,264, June 7.
Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Heat-treating particle-form solid absorbents. 2,472,776, June 7.
Peake, John S., assignor to The Dow Chemical Company, Midland, Mich. Mechanical method for grain refining magnesium alloys. 2,472,757, June 7.
Pechukas, Alphonse, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparing vinyl esters of polycarboxylic acids. 2,472,434, June 7.
Peet, Nick P., Goose Creek, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Removal of metal compounds from oil feed to fluid catalyst cracking. 2,472,723, June 7.
Permutit Company, The, assignee: *See*—
Prescott, William G., Akeroyd, and Holmes.
Peters, John G.: *See*—
Smith, Herschel G., Cantrell, and Peters.
Peterson, Dana, Oakland, Calif. Measuring ruler. 2,472,229, June 7.
Peterson, Dana, Newton, Mass. Container cap. 2,472,436, June 7.
Peterson, Edward S., Elmwood Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Wire recording system. 2,472,435, June 7.
Petroleite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, and Keiser.
Pevney, Paul, Massapequa, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Seal. 2,472,724, June 7.
Phelon, Russell E., West Springfield, Mass. Flywheel magneto. 2,472,813, June 7.
Philco Corporation, assignee: *See*—
Keil, Otto C., Jr., and Lofton.
Mankin, Arthur H.
Phillips, Delbert L., Culver City, assignor to W. R., W. S., and R. Whittaker, R. M. and R. D. Vandegrift, and D. L. Phillips, co-partners, doing business as Wm. R. Whittaker Co., Ltd., Los Angeles, Calif. Drain cock. 2,472,677, June 7.
Phillips, Harry, New York, N. Y. Securing together moccasin vamps and plugs. 2,472,265, June 7.
Phillips Petroleum Company, assignee: *See*—
Garretson, Owen L.
Mathy, Eugene V.
Schulze, Walter A., and Crouch.
Pickron, Earl C., Creston, Iowa. Cartridge clip. 2,472,678, June 7.
Pierce, Jerry A., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of clay catalysts. 2,472,480, June 7.
Pilkington, William, Beckley, W. Va. Support for drills. 2,472,679, June 7.
Pioneer Parachute Company, Inc., assignee: *See*—
Mallory, Henry R.
Pittsburgh Plate Glass Company, assignee: *See*—
Pechukas, Alphonse.
Plank, Charles J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparing porous glass catalysts. 2,472,490, June 7.
Podhajsky, Theodore A.: *See*—
McElhinney, Eric M., and Podhajsky.
Poland, Frank F., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Electric furnace. 2,472,412, June 7.
Poland, Frank F., assignor to Revere Copper and Brass Incorporated, Rome, N. Y. Electric resistance furnace. 2,472,613, June 7.
Polaroid Corporation, assignee: *See*—
Wolff, Otto E.
Polivka, Dorothy R., executrix: *See*—
Polivka, George J.
Polivka, George J., La Grange, Ill., deceased; D. R. Polivka, executrix. Milking barn. 2,472,122, June 7.
Pollard, Charles E., Jr.: *See*—
Brown, John T. L., and Pollard.
Polymerisable Products Limited, assignee: *See*—
Weizmann, Charles.
Pomeroy, Richard C., Westchester, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Adjustable current transformer. 2,472,546, June 7.
Ponomareff, Alexander I., Hatvertown, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Condenser apparatus. 2,472,615, June 7.
Pons, John A., Morganton, assignor to Greensboro Textile Supply Company, Greensboro, N. C. Tension device. 2,472,614, June 7.
Potter Instrument Company, Inc., assignee: *See*—
Moerman, Nathan A.
Powell, Raymond E., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding electrode. 2,472,173, June 7.
Powers, Conlons E., Natches, Miss. Tire making machine. 2,472,123, June 7.
Pratt, Burt C., Brandywine Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making coating compositions using polyethylene coated pigments. 2,472,080, June 7.
Pratt, Yolanda T., Mount Rainier, Md., assignor to Hercules Powder Company, Wilmington, Del. Dehydroabietic acid derivatives. 2,472,437, June 7.
Prescott, William G., E. L. Akeroyd, and E. L. Holmes, London, England, assignors to The Permutit Company, New York, N. Y. Treatment of water. 2,472,816, June 7.
Pretre, Armand, Geneva, Switzerland, assignor to Montres Rolex SA (Rolex Watch Co. Ltd.). Expansible bracelet. 2,472,314, June 7.
Prezioso, Giuseppe, Yverdon, Switzerland, assignor to Paillard S. A. Sheet feeding and positioning mechanism for typewriters. 2,472,340, June 7.
Price, Voris V., Brazil, Ind. Swinging and rotating reflecting device for motor vehicles. 2,472,438, June 7.
Proctor & Schwartz, Inc., assignee: *See*—
Harrison, Alma J.
Prodromos, George and M., Winston-Salem, N. C. Trimmer. 2,472,617, June 7.
Prodromos, Marcus: *See*—
Prodromos, George and M.
Proll, Gustave, Newark, N. J. Toy musical instrument. 2,472,681, June 7.
Przybylski, Daniel F., Winona, Minn. Trench excavator shovel and scraper. 2,472,758, June 7.
Pummer, Rudolph L., assignee: *See*—
Rundle, George W.
Purcell, Howard M., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Servomotor mechanism. 2,472,547, June 7.
Purdue Research Foundation, assignee: *See*—
Spence, John A., and Degering.
Pure Oil Company, The, assignee: *See*—
Bond, Donald C., and Savoy.
Putney, David H., assignor to Stratford Development Corporation, Kansas City, Mo. Triple tube cyclone separator. 2,472,777, June 7.
Pye Limited, assignee: *See*—
Jones, William.
Pyrene Company Limited, The, assignee: *See*—
Zieschang, Richard.
Pyridium Corporation, assignee: *See*—
Friedman, Harris L., and Braitberg.
Querry, Merle V.: *See*—
Baker, Bernard R., and Querry.
Quinn, Gerald S., Salem, Mass., and J. E. McLoughlin, New Haven, Conn., assignors to Sylvania Electric Products Inc., Salem, Mass. Coil clamping method and apparatus. 2,472,778, June 7.
Quinton, Bernard, Tuckahoe, N. Y. Mobile luggage. 2,472,491, June 7.
Radio Corporation of America, assignee: *See*—
Beleskas, Stanley M.
Bierwirth, Rudolph A.
Cooper, Victor J., and Green.
Duke, Vernon J.
Goldstine, Hailan E.
Hulst, George D., Jr.
Jones, John W., Jr.
Koch, Winfield R.
Lyons, Walter.
Matson, Leslie E., and Lesnick.
Nergaard, Leon S.
Rehmar, John H.
Rennie, Alexander M.

Raison, Clifford G.: *See*—
Curd, Francis H. S., Raison, and Rose.
Ramage, Alexander S., assignor to A. A. F. Maxwell, Detroit, Mich, as trustee. Production of ethyl alcohol. 2,472,615, June 7.
Rand, H. J., Washing Machine Corp., assignee: *See*—
Rand, Henry J.
Rand, Henry J., Fairfield, Conn., assignor to H. J. Rand Washing Machine Corp., Cleveland, Ohio. Washing machine with squeezer extractor. 2,472,682, June 7.
Randall, Edmund A., and V. B. Slifer, New York, N. Y. Tool. 2,472,124, June 7.
Raspet, August, Locust Valley, N. Y. Thermopile for measuring air temperatures. 2,472,759, June 7.
Ratchford, Harry L., Williamsport, assignor to Sylvania Electric Products Inc., Emporium, Pa. Electrode for electron discharge devices. 2,472,760, June 7.
Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Gas-burner control system. 2,472,384, June 7.
Raybould, Frank J., assignee: *See*—
Ansingh, Herman K.
Raytheon Manufacturing Company, assignee: *See*—
Dawson, John W.
Klemperer, Hans.
Reed, Alfred B., assignor to Eastman Kodak Company, Rochester, N. Y. Picture selector. 2,472,619, June 7.
Reed, Arthur B., Shreveport, La. Tape dispenser. 2,472,761, June 7.
Reed Roller Bit Company, assignee: *See*—
Van Sittert, Paul.
Van Sittert, Paul, and Barth.
Refining, Unincorporated, assignee: *See*—
Clayton, Benjamin.
Reinschmidt, Edward H., Jr., assignor to Collins Radio Company, Cedar Rapids, Iowa. Rotary electrical switch. 2,472,230, June 7.
Reisner, John H., Collingswood, N. J., assignor to Radio Corporation of America. Varying the gap spacing of pole pieces for electron optical apparatus. 2,472,315, June 7.
Reits, Henry C., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Preparing gluten sulfate and salts thereof. 2,472,267, June 7.
Rennie, Alexander M., Philadelphia, Pa., assignor to Radio Corporation of America. Electron optical instrument. 2,472,316, June 7.
Republic Aviation Corporation, assignee: *See*—
Brown, William V.
Miller, Frank G., and Bogert.
Mullen, Charles F.
Pevney, Paul.
Revere Camera Company, assignee: *See*—
Briskin, Jack.
Revere Copper and Brass Incorporated, assignee: *See*—
Poland, Frank F.
Rhodes, Thornton R., South Gate, and E. R. Hunt, Los Angeles, Calif. Pressure cooker. 2,472,620, June 7.
Richardson, William D., Ontario, Calif. Container for bathroom supplies. 2,472,683, June 7.
Rieta, Charles A., Park Ridge, Ill., assignor to Interchemical Corporation, New York, N. Y. Printing inks. 2,472,125, June 7.
Rist, Carl E.: *See*—
Mehltretter, Charles L., Rist, and Alexander.
Roach, Harding F., and W. R. Nelson, Des Moines, Iowa. Motor acceleration means. 2,472,341, June 7.
Robinson, Hugh S., U. S. Navy. Micrometer caliper. 2,472,126, June 7.
Robinson, James: *See*—
Harrington, Ferris T., and Robinson.
Roequin, Camille J., New Orleans, La. Rake. 2,472,342, June 7.
Rodder, William, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Drawbench. 2,472,231, June 7.
Rodeck, Jack F., Odessa, Wash. Airplane. 2,472,763, June 7.
Rogers, Alban E., Swarthmore, Pa. Device for teaching arithmetic. 2,472,439, June 7.
Roliman, Michael A., Landisville, Pa. Massage device. 2,472,385, June 7.
Ronson Art Metal Works, Inc.: *See*—
Burchett, Ray L.
Ross, Anthony G., Lyndhurst, N. J. Fountain pen. 2,472,343, June 7.
Rose, Francis L.: *See*—
Curd, Francis H. S., Raison, and Rose.
Rosefield, Marvin J.: *See*—
Kuehn, Jack W., and Rosefield.
Rosenberger, Clifford W., Indianapolis, Ind. Cigarette case with clip fastener. 2,472,344, June 7.
Rossi, Carlo, assignor to Ciba Limited, Basel, Switzerland. Removing corrosion products from surfaces containing heavy metals. 2,472,684, June 7.
Roters, Herbert C., Roslyn, N. Y., assignor to Fairchild Camera and Instrument Corporation. Impulse motor. 2,472,621, June 7.
Royal Patent Corporation, assignee: *See*—
Durant, Lyndon A.
Rundle, George W., assignor to R. L. Plummer, J. Culleu, and S. L. Ambrose, Los Angeles, Calif. Crushing and grinding machine. 2,472,725, June 7.
Russell, Griscom, Company, The: *See*—
Busse, William M.
Russell, Louis R., Edison, Ohio, assignor to Insley Manufacturing Corporation, Indianapolis, Ind. Excavating and load handling machine. 2,472,726, June 7.
Ryder, Francis E.: *See*—
Atherton, Thomas, and Ryder.
Saffir, Jacob A., Kew Gardens, assignor to The Dentists' Supply Company of New York, New York, N. Y. Cast or molded denture. 2,472,492, June 7.
Sage, Harry C., assignor to Thomson-Sage, Inc., Stockton, Calif. Harvester. 2,472,762, June 7.
Salisbury, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Machine for fabricating packages. 2,472,440, June 7.
Salinger, Haus W. G., and H. W. Beach, Fort Wayne, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation. Voltage distribution system. 2,472,727, June 7.
Saunders, Elmore J., San Gabriel, Calif., assignor to Evans Products Company, Detroit, Mich. Front type thermostat mounting. 2,472,728, June 7.
Sandos Ltd., assignee: *See*—
Ischer, Hans.
Sauers, E. W., assignee: *See*—
Smith, David C.
Savard, Arthur J., San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation. Vapor recovery system for airplane fuel tanks. 2,472,622, June 7.
Savoy, Michael: *See*—
Bond, Donald C., and Savoy.
Scaife, Charles W.: *See*—
Smith, Arthur E. W., Scaife, and Baldock.
Scharmer, George, New Milford, N. J. Kitchen cabinet structure. 2,472,685, June 7.
Schäublin S. A., assignee: *See*—
Schäublin-Villeneuve, Charles.
Schäublin-Villeneuve, Charles, assignor to Schäublin S. A., Bevilard, Switzerland. Milling machine with pivoting and sliding head. 2,472,345, June 7.
Schettler, Wesley W.: *See*—
Endsley, Louis E., Schettler, and Lentell.
Schindler, Ernst, Biel, Switzerland. Milling machine for formed cutters. 2,472,346, June 7.
Schmeisel, Theodore G., Fresno, Calif. Soil pulverizing and rolling implement. 2,472,386, June 7.
Schmelig, Nicholas J., and F. S. Green, assignors to Frank Adam Electric Company, St. Louis, Mo. Pull-out switch. 2,472,268, July 7.
Schmitt, Frank R., Hollis, N. Y., assignor by mesne assignments, to Aerovox Corporation, New Bedford, Mass. Sheet feeding. 2,472,441, June 7.
Schneider, Helmuth G., Westfield, and V. F. Mistretta, Fanwood, N. J., assignors to Standard Oil Development Company. Catalytic dehydrogenation of alcohols. 2,472,493, June 7.
Schneider, William H., Pittsburgh, Pa. Keeper for door bolts. 2,472,174, June 7.
Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Automatic tensioning device for reels. 2,472,548, June 7.
Schoenbaum, Joseph R., Roseland, N. J., assignor to Curtiss-Wright Corporation. Electrical speed control system. 2,472,396, June 7.
Schueler, Theodore, Wood River, Ill. Brake lock. 2,472,442, June 7.
Schuessler, Frederick W.: *See*—
Langan, Eubene E., Lemmon, and Schuessler.
Schulmerich Electronics, Incorporated, assignee: *See*—
Kuns, Jacob T.
Schulse, John J., assignor of one-half to S. W. Johns, Chicago, Ill. Bed tray. 2,472,549, June 7.
Schulze, Richard B., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Air transportation of small parcels. 2,472,623, June 7.
Schulze, Walter A., and W. W. Crouch, Bartlesville, Okla., assignors to Phillips Petroleum Company. Butadiene emulsion polymerization in the presence of a glycol mono-ether. 2,472,232, June 7.
Schwartz, Nathan R., assignor to Naras Research Inc., New York, N. Y. Work hump support. 2,472,024, June 7.
Science Associates Inc., assignee: *See*—
Szent-Györgyi, Albert E.
Scovill Manufacturing Company, assignee: *See*—
Huelsler, Otto J.
Seeger, Doris R.: *See*—
Hultquist, Martin E., and Seeger.
Seiberling Rubber Company, assignee: *See*—
Allen, Raymond P.
Selvin, Paul J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Cathode-ray tube amplifier. 2,472,779, June 7.
Sersow, Roland J.: *See*—
Kuney, Clarence F., Wurst, and Sersow.
Sexton, Wilfred A., Manchester, England, assignor to Imperial Chemical Industries Limited. Prevention and destruction of weeds. 2,472,347, June 7.
Shaffer, Harvey H., Berwick, Pa. Dead lever fulcrum. 2,472,443, June 7.
Shaffer Tool Works, assignee: *See*—
Counts, Ewell C., and Le Roy.
Sharp & Dohme, Incorporated, assignee: *See*—
Wilcox, Paul W., and Jatul.

Shell Development Company, assignee: *See*—
Fetterly, Lloyd C.
Johnson, Ava J.
Nixon, Alan C., Lebwalder, and Cheney.
Van der Minne, Johan L.
Weber, Martin K., and Nelson.
Shepherd, Clarence G., Fontana, Calif. Drinking fountain. 2,472,387, June 7.
Shields, James R.: *See*—
Barnabey, Herbert L., and Shields.
Shirley, David A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 2,2-bis-(4-methylthiophenyl)-1,1,1-trichloroethane. 2,472,269, June 7.
Short, Frank, Burke, Va., assignor of one-half to L. V. Lucia, West Hartford, Conn. Circuit breaker. 2,472,233, June 7.
Shulman, Louis, New York, N. Y. Brassière. 2,472,764, June 7.
Shulman, Louis, New York, N. Y. Strapless brassière. 2,472,765, June 7.
Sidell, Philip A., assignor to Outboard, Marine & Manufacturing Company, Galesborg, Ill. Refrigeration system. 2,472,729, June 7.
Sinclair Refining Company, assignee: *See*—
Kimball, Thomas B.
Skinner, Peter G., Cook Hill, near Alcester, assignor to Morris Motors Limited, Cowley, England. Measuring or comparing device. 2,472,348, June 7.
Slason, Frank K., U. S. Navy. Temperature compensated vibration pick-up. 2,472,127, June 7.
Slifer, Vernon B.: *See*—
Randall, Edmund A., and Slifer.
Slotterbeck, Ober C., Rahway, N. J., assignor to Standard Oil Development Company. Safety fuel ingredients and their preparation. 2,472,494, June 7.
Smatt, Edward E., Lyndhurst, Ohio. Pipe. 2,472,444, June 7.
Smith, Arthur E. W., C. W. Scaife, and H. Baldock, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Manufacture of organic nitro compounds. 2,472,550, June 7.
Smith, David C., Toledo, assignor of thirty per cent to E. W. Sauers, thirty per cent to A. E. Giesey, Cleveland, and twenty per cent to L. I. Ohlinger, Toledo, Ohio. Door latch mechanism. 2,472,730, June 7.
Smith, Douglas M.: *See*—
Ferris, Seymour W., Lamson, and Smith.
Smith, George C., Glenside, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass. Reversible seat. 2,472,340, June 7.
Smith, Harold A., Rochester, N. Y. Truck tail gate lock. 2,472,234, June 7.
Smith, Harry A., assignee: *See*—
Brauch, Albert L.
Smith, Herschel G.: *See*—
Cantrell, Troy L., and Smith.
Smith, Herschel O., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Addition agents for mineral oil lubricants. 2,472,552, June 7.
Smith, Robert L., Amherst, assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Producing surface decorated plastic sheets. 2,472,551, June 7.
Smith, Sidney E., Jr., Pittsfield, Mass., assignor to General Electric Company. Electric circuit breaker. 2,472,625, June 7.
Smith, William F.: *See*—
Stauffer, Robert E., and Smith.
Smith, William F., and A. P. H. Trivelli, assignors to Eastman Kodak Company, Rochester, N. Y. Fog inhibitor for photographic emulsions. 2,472,626, June 7.
Smith, William F., and R. E. Stauffer, assignors to Eastman Kodak Company, Rochester, N. Y. Fog inhibitor for photographic emulsions. 2,472,627, June 7.
Snyder, Ory L., Newark, N. Y., assignor of forty-nine per cent to The Dexter Company, Fairfield, Iowa. Caster. 2,472,680, June 7.
Société Anonyme Teco, assignee: *See*—
Theunissen, Francois J. M.
Societe Le Carbone Lorraine, assignee: *See*—
Oswald, Marcel V.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Payne, John W.
Plank, Charles J.
Solvay & Cie, assignee: *See*—
Gonze, Max.
Sorensen, Charles E., Detroit, and L. C. Miller, Ann Arbor, assignors to Ford Motor Company, Dearborn, Mich. Aircraft fuselage construction. 2,472,317, June 7.
Sparks, William J., Cranford, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Condensation product of a polyhalogenated aliphatic hydrocarbon and a copolymer of a polymerizable cyclic compound and an unsaturated aliphatic hydrocarbon. 2,472,495, June 7.
Spence, John A., San Pablo, Calif., and E. F. Degering, West Lafayette, assignors to Purdue Research Foundation, La Fayette, Ind. Preparing C-acetylated and O-acetylated compounds. 2,472,628, June 7.
Sperry Corporation, The, assignee: *See*—
Hansen, William W.
Streeter, Edward C., Jr.
Splaine, Edward M., assignor to American Optical Company, Southbridge, Mass. One-piece channeled lens mounting. 2,472,731, June 7.
Sprong, Severn D., Monroe, N. Y.; K. S. Osborn (K. W. Sprong), executrix of Severn D. Sprong, deceased, assignor to the Thermactor Company, New York, N. Y. Apparatus for treating oil and gas bearing strata. 2,472,445, June 7.
Sprung, Murray M., Scotia, N. Y., assignor to General Electric Company. Preparation of dimethyl silicone gums. 2,472,829, June 7.
Square D Company, assignee: *See*—
Andresen, John H., Jr., and Kasner.
Stachle, Henry C., assignor to Eastman Kodak Company, Rochester, N. Y. Coloring ceramic objects. 2,472,128, June 7.
Stair, Carlyle B., assignee: *See*—
McCleery, Harold L., and Stair.
Standard Gage Company, Inc., assignee: *See*—
Aldeborgh, Erik H., and Emery.
Standard Oil Company, assignee: *See*—
Johnson, Everett A.
Langan, Eugene E., Lemmon, and Schuessler.
Lyons, Leland R.
Standard Oil Development Company, assignee: *See*—
Brandon, Richard C., and Jones.
Bruce, William A.
Crookston, Robert R.
Eby, Lawrence T.
Lovell, John B.
Peet, Nick P.
Pierce, Jerry A.
Schneider, Helmuth G., and Mistretta.
Slotterbeck, Ober C.
Sparks, William J., and Young.
Sweetser, Sumner B.
Tyson, Charles W.
Winning, Carl.
Standfast, George A., Jefferson City, Mo. Railway rail joint. 2,472,446, June 7.
Start, Ernest: *See*—
Start, Harry W., and Ernest.
Start, Harry W., Carlton, and E. Start, Kylestrome, Wilford, assignors to William Cotton Limited, Loughborough, Leicestershire, England. Straight-bar knitting machine. 2,472,176, June 7.
Stator Corporation, assignee: *See*—
Whitney, Lyman F.
Stauffer, Robert E.: *See*—
Smith, William F., and Stauffer.
Stauffer, Robert E., and W. F. Smith, assignors to Eastman Kodak Company, Rochester, N. Y. Palladium complexes as photographic emulsion stabilisers. 2,472,631, June 7.
Steel Heddle Manufacturing Company, assignee: *See*—
Kaufmann, John J.
Stephenson, John G.: *See*—
Fubini, Eugene, Kriegel, and Stephenson.
Stern, Charles, Jersey City, N. J. Throttle control device for steam locomotives. 2,472,176, June 7.
Stevenson, John F., Belfast, Northern Ireland. Cover means for vegetables and other plants. 2,472,630, June 7.
Steward, Hugh W., Plainfield, N. J., assignor to American Cyanamid Company, New York, N. Y. 1-carbethoxy-4-methylpiperazine, its salts and preparing same. 2,472,496, June 7.
Stillwell, Ralph, Baldwin, N. Y. Range finder mounting for camera lens turrets. 2,472,732, June 7.
Stinchcomb, Franklin P., Baltimore, Md. Portable drill press holder. 2,472,270, June 7.
Stone, Charles M., Long Beach, Calif., assignor to The Texas Company, New York, N. Y. Solvent extraction of oil. 2,472,499, June 7.
Stone, J., & Company, Limited, assignee: *See*—
Nixon, Leslie R.
Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Catch. 2,472,498, June 7.
Stookey, Kenneth W., Shaker Heights, assignor to The Gas Machinery Company, Cleveland, Ohio. Furnace. 2,472,497, June 7.
Strachan & Henshaw, Limited, assignee: *See*—
Grossmith, George W.
Stratford Development Corporation, assignee: *See*—
Putney, David H.
Streeter, Edward C., Jr., Old Westbury, N. Y., assignor to The Sperry Corporation. Radio navigation system. 2,472,129, June 7.
Stribley, Arthur F., Jr.: *See*—
Farkas, Adalbert, and Stribley, Jr.
Suhkow, Philip, Los Angeles, Calif. Inhibitor. 2,472,318, June 7.
Sullivan, Raymond V., St. Louis, Mo. Garment fastener. 2,472,235, June 7.
Sun, Kuan-Han, assignor to Eastman Kodak Company, Rochester, N. Y. Lead-titanium-borate glass. 2,472,447, June 7.
Sun, Kuan-Han, assignor to Eastman Kodak Company, Rochester, N. Y. Thallium-silicate glass. 2,472,448, June 7.
Sun Oil Company, assignee: *See*—
Banks, Daniel B.
Hirschler, Alfred E.

Sutherland Paper Company, assignee: *See*—
Buttery, Kenneth T.
Swan, Carl W., Skokie, assignor to Teletype Corporation, Chicago, Ill. Key operated transmitter. 2,472,733, June 7.
Swanson, Lavarne E., Manistee, Mich. Grappling tool for joists and studs. 2,472,500, June 7.
Sweetser, Sumner B., Baton Rouge, La., assignor to Standard Oil Development Company. Regenerating synthesis catalyst with oxygen and return of oxidized catalyst to the synthesis reactor. 2,472,501, June 7.
Switzer, Joseph L., assignee: *See*—
De Forest, Taber.
Switzer, Robert C., assignee: *See*—
De Forest, Taber.
Sylvania Electric Products, Inc., assignee: *See*—
Heiterline, Leo L., Jr.
Jones, Walter B.
Quinn, Gerald S., and McLoughlin.
Ratchford, Harry L.
Zetka, Joseph B.
Sylvester, Harold C.: *See*—
Barber, Edward A., Collins, and Sylvester.
Syntron Company, assignee: *See*—
Burt, Ralph.
Green, Glenn.
Szent-Györgyi, Albert E., London, England, assignor to Science Associates Inc., New York, N. Y. Preparation of a mixture of nucleotides containing predominantly adenosintriphosphate. 2,472,130, June 7.
Taber, Clifford W., Pasadena, Calif. Welding electrode holder. 2,472,177, June 7.
Talon, Inc., assignee: *See*—
Carille, Alfred, and Brown.
Tappan Stove Company, The, assignee: *See*—
Hoff, John G.
Taylor, Roswell M., Noank, Conn. Hosiery supporter. 2,472,350, June 7.
Teletype Corporation, assignee: *See*—
Goetz, Maurice T.
Swan, Carl W.
Temple, Sidney J., Forest Hills, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating. 2,472,178, June 7.
Texas Company, The, assignee: *See*—
Stone, Charles M.
Thermactor Company, assignee: *See*—
Sprong, Severn D.
Theunissen, François J. M., Brussels, assignor to Societe Anonyme Teco, Bois-de-Breux (Liege), Belgium. Electromagnet. 2,472,553, June 7.
Thoenes, Marie, assignee: *See*—
Bruen, George C.
Thomas, John W., assignor to Thomas, Stone & French, Inc., Wichita, Kans. Cereal grain cracking machine. 2,472,780, June 7.
Thomas, Michael J., Birmingham, and G. C. Fricke, Pleasantridge, Mich., assignors to Bendix Aviation Corporation, South Bend, Ind. Fuel control system. 2,472,734, June 7.
Thomas, Robert W., Grand Rapids, Mich. Hydraulic boost device. 2,472,236, June 7.
Thomas, Stone & French, Inc., assignee: *See*—
Thomas, John W.
Thomson-Sage, Inc., assignee: *See*—
Sage, Harry C.
Thorsen, E. M., assignee: *See*—
Bruen, George C.
Thuras, Albert L., New London, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Magnetostrictive oscillator. 2,472,388, June 7.
Tibbetts Laboratories, Inc., assignee: *See*—
Tibbetts, Raymond W.
Tibbetts, Raymond W., assignor to Tibbetts Laboratories, Inc., Camden, Maine. Piezoelectric device. 2,472,179, June 7.
Tishler, Max: *See*—
Wolf, Frank J., and Tishler.
Tittle, Harry W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fluorescent inspection lamp. 2,472,180, June 7.
Toth, Emerick, Takoma Park, Md., and G. H. Burbage, Washington, D. C. Vacuum tube socket. 2,472,131, June 7.
Trane Company, The, assignee: *See*—
Labus, Otto A.
Travis, Marion C.: *See*—
McGowen, Frank, and Travis.
Trivelli, Adrian P. H.: *See*—
Smith, William F., and Trivelli.
Trompeter, David, Sandy Hook, Conn. Lamp. 2,472,632, June 7.
Trout, Norwood S., Jr.: *See*—
Dickey, John W., and Trout, Jr.
Turner, Howard L., Jackson, Mich. Magnetic gauge for conduits. 2,472,319, June 7.
Turner, Slade W., Danville, Ky. Bottle carrier. 2,472,237, June 7.
Tyler, Edward P., North Hollywood, Calif. Combined watchcase and bracelet. 2,472,351, June 7.
Tyson, Charles W., Summit, N. J., assignor to Standard Oil Development Company. Apparatus for stripping finely divided solids. 2,472,502, June 7.
Ulrich, Carl J., Minneapolis, Minn. Barometric instrument. 2,472,735, June 7.
Union Oil Company of California, assignee: *See*—
Farkas, Adalbert, and Scribbey, Jr.
Union Switch & Signal Company, The, assignee: *See*—
Bone, Herbert L.
Corbyn, David B.
United Shoe Machinery Corporation, assignee: *See*—
Heggs, William H., and Heather.
Paulsen, Hans C.
United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Anicetti, Robert J.
Borkowski, Casimer J.
United States Gypsum Company, assignee: *See*—
Nelson, Nels.
Unruh, Cornelius C.: *See*—
Kenyon, William O., and Unruh.
Utermohlen, William P., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Acylating amines. 2,472,633, June 7.
Vandegrift, Robert M., assignee: *See*—
Phillips, Delbert L.
Vandegrift, Roger D., assignee: *See*—
Phillips, Delbert L.
Van Dercar, Lewis E., Miami, Fla. Water closet flushing mechanism. 2,472,624, June 7.
Van der Minne, Johan L., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Lubricating oil compositions. 2,472,503, June 7.
Van Rosen, Robert, New York, N. Y., assignor to J. Makowsky Corporation. Display box. 2,472,449, June 7.
Van Sittert, Paul, Shaker Heights, Ohio, assignor, by mesne assignments, to Reed Roller Bit Company, Houston, Tex. Fluid actuated tool. 2,472,352, June 7.
Van Sittert, Paul, Shaker Heights, and W. E. Barth, Vermilion, Ohio, assignors, by mesne assignments, to Reed Roller Bit Company, Houston, Tex. Nailing attachment for pneumatic hammers. 2,472,353, June 7.
Van Vleck, Horace R., Upper Montclair, N. J. Motor vehicle. 2,472,450, June 7.
Veenemans, Cornelis F.: *See*—
Blenfait, Henri, and Veenemans.
Vensenholm, Oosta, Dearborn, H. D. Ford and F. C. Young, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Heat-treating steel. 2,472,320, June 7.
Vickers Incorporated, assignee: *See*—
Harrington, Ferrie T., and Robinson.
Vinson, Walter L., Sherman Oaks, Calif. Receptacle closure lock. 2,472,321, June 7.
Volle, Harry G., Detroit, Mich. Expansible reamer. 2,472,554, June 7.
Von Stoeser, Walter, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Float control for liquid dispensing devices. 2,472,389, June 7.
Vosbikian, Peter S.: *See*—
Vosbikian, Thomas S. and P. S.
Vosbikian, Thomas S. and P. S., Melrose, Pa. Scrubbing and mopping device. 2,472,781, June 7.
Wagner Electric Corporation, assignee: *See*—
Milster, Arthur N.
Schnell, Steve.
Wagner, Frank J., assignee: *See*—
Hierman, Carroll M.
Walker, William H., Alameda, Calif. Automobile clothes rack. 2,472,132, June 7.
War, United States of America as represented by the Secretary of, assignee: *See*—
Cork, Bruce.
Everhart, Edgar.
Eyges, Leonard J.
Fubini, Eugene, Kriegel, and Stephenson.
Hickman, Clarence N.
Hudspeth, Emmett L.
Hulstede, George E.
Moore, Wiley T., and Nelson.
Mueller, William S.
Yamins, Hyam G., and Dunn.
Ward, George C., Cumberland, Md., and R. U. Genaszani, New York, N. Y., assignors to Celanese Corporation of America. Recovery of wool from wool-acetate fabrics. 2,472,238, June 7.
Ward, Joseph G., Staten Island, N. Y. Container cap and valve therefor. 2,472,555, June 7.
Waterman, Herbert C., assignor to Bendix Aviation Corporation, South Bend, Ind. Motor control. 2,472,736, June 7.
Waters, Cecil P., Fort Lauderdale, Fla. Coconut husk removing tool. 2,472,354, June 7.
Wayne Pump Company, The, assignee: *See*—
Hinds, Sherwood.
Weber, Martin K., Berkeley, and C. R. Nelson, San Carlos, assignors to Shell Development Company, San Francisco, Calif. Inhibiting acid attack on brick. 2,472,635, June 7.
Weimmayr, Viktor, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiophenthraquinone derivatives. 2,472,133, June 7.
Weiss, Francis P., Gary, Ind. Direct current apparatus. 2,472,134, June 7.
Weissman, David, New York, N. Y. Sanitary trap for bathtubs. 2,472,822, June 7.
Weissman, Eugene, Baltimore, Md. Apparatus for preparing coffee substitutes. 2,472,636, June 7.

Weizmann, Charles, assignor to Polymerisable Products Limited, London, England. Manufacture of condensation products. 2,472,136, June 7.
Welch, Alanson U., Jr., Pittsfield, Mass., assignor to General Electric Company. Arc welding. 2,472,323, June 7.
Well Surveys, Incorporated, assignee: *See*—
Pearon, Robert E.
Weller, Coy A., Flint, Mich. Paper roll holder. 2,472,239, June 7.
Wellwood, Elisabeth, R. J. McBride, W. J. Greer, and J. Wellwood, Belfast, Northern Ireland. Antisplash device for attachment to the heels of shoes or the like. 2,472,687, June 7.
Wellwood, Joseph: *See*—
Wellwood, Elisabeth, McBride, Greer, and Wellwood.
Werth, Frederick W., Jr., Clifton, N. J., assignor to Wright Aeronautical Corporation. Propeller governor. 2,472,181, June 7.
West, George, assignor to Whitin Machine Works, Whitinsville, Mass. Bobbin clinch. 2,472,240, June 7.
West, William L., Belmont, N. C. Rotary helicopter and support. 2,472,556, June 7.
Western Electric Company, Incorporated, assignee: *See*—
Bennett, Loren E.
Ewaldson, Waldemar C.
Pomeroy, Richard C.
Powell, Raymond E.
Western Union Telegraph Company, The, assignee: *See*—
Milner, Joseph W.
Westinghouse Air Brake Company, The, assignee: *See*—
France, Albert C.
Westinghouse Electric Corporation, assignee: *See*—
Armstrong, George C.
Arnold, Edwin E., and Newton.
Ponomareff, Alexander I.
Weyandt, Carl S., Homer City, Pa. Vibratory motor. 2,472,637, June 7.
Wheeler, Foster, Corporation, assignee: *See*—
Frisch, Martin.
White, Everett H., St. Paul, Minn. Thermostatic control device. 2,472,638, June 7.
Whitin Machine Works, assignee: *See*—
West, George.
Whiting, Esther J.: *See*—
Avallone, Samuel C., Harris, and Whiting.
Whitlock, Rex S., Dayton, Ohio. Aiming and fire control system. 2,472,136, June 7.
Whitney, Lyman F., Cambridge, Mass., assignor by mesne assignments, to Stator Corporation, Providence, R. I. Pressure cooker. 2,472,451, June 7.
Whittaker, Beulah, assignee: *See*—
Phillips, Delbert L.
Whittaker, William R., assignee: *See*—
Phillips, Delbert L.
Whittaker, Wm. R., Co., Ltd., assignee: *See*—
Phillips, Delbert L.
Whittaker, William S., assignee: *See*—
Phillips, Delbert L.
Whittam, Albert, assignor of one-half to John Haig & Company, Limited, Markinch, Scotland. Nonrefillable bottle closure. 2,472,182, June 7.
Whittingham, David J., Westertown, N. Y., assignor to The New York Air Brake Company. Pump. 2,472,355, June 7.
Wickens, Clarence W., Portland, Oreg. Wiggler. 2,472,639 June 7.
Wicker, Dan B., Dunbar, and C. W. Cox, St. Albans, W. Va., assignors to American Viscose Corporation, Wilmington, Del. Apparatus for handling liquid suspensions. 2,472,324, June 7.
Widerstedt, Alfred W.: *See*—
Christian, Rodney E., and Widerstedt.
Wiegand, Edwin L., Company, assignee: *See*—
Calhoun, John Y.
Cappell, Charles W.
Gordon, George H.
Temple, Sidney J.
Wilcox, Paul W., Lansdowne, and B. J. Jatul, Norwood, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Clear aqueous solutions of tyrothricin. 2,472,640, June 7.
Wilkinson, Donald G., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. 4:7-dichloro-(2:1-1)-naphthindole-2:2' - (2':1')-naphthathionaphthene indigo. 2,472,755, June 7.
Williams, Charles C. W.: *See*—
Jones, Alvin J., and Williams.
Williams, Chester, Ypsilanti, Mich. Tow bar. 2,472,325, June 7.
Williamson, Marshall I., New Haven, Conn., assignor by mesne assignments, to National Folding Box Company, Incorporated. Container. 2,472,183, June 7.
Wills, Alton G., Robstown, Tex. Vehicle for transporting tanks. 2,472,557, June 7.
Wilson, Charles R., Pekin, Ill. Mill cutter center locator. 2,472,241, June 7.
Wilson, Frank C., Arcade, N. Y. Hydraulic press. 2,472,390, June 7.
Wiseman, Carl, Westfield, N. J., assignor to Standard Oil Development Company. Organometallic compound. 2,472,504, June 7.
Winslow, Arthur F.: *See*—
Kearsley, William K., Winslow, and Liebhafsky.
Winslow, Edward N., Chagrin Falls, Ohio. Kite. 2,472,137, June 7.
Wise, Solomon, Shaker Heights, Ohio. Liquid fuel tank cap. 2,472,787, June 7.
Wiseman, Reuben E., assignor to The Minster Machine Company, Minster, Ohio. Air actuated clutch and brake device. 2,472,452, June 7.
Wolf, Abraham, Vineland, N. J. Mobile body. 2,472,857, June 7.
Wolf, Frank J., Westfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Streptomycin composition of reduced toxicity. 2,472,453, June 7.
Wolff, Otto E., assignor to Polaroid Corporation, Cambridge, Mass. Film holder. 2,472,358, June 7.
Wood, Reginald T., St. Albans, England. Landing gear for aircraft. 2,472,641, June 7.
Woodbridge, Leonard A., Woodford, assignor to A. C. Cossor, Limited, London, England. Cathode-ray tube. 2,472,766, June 7.
Woolslayer, Homer J., C. Jenkins, and W. H. Luttgen, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa. Oil well drilling apparatus having crown block movable lengthwise of mast. 2,472,359, June 7.
Wright Aeronautical Corporation, assignee: *See*—
Ovens, William G., and McCrea.
Werth, Frederick W., Jr.
Wright, E. T., & Co., Incorporated, assignee: *See*—
Donovan, Alfred F.
Wright, Frank R., Nezperce, Idaho. Potato digger blade. 2,472,360, June 7.
Wuerth, Fritz: *See*—
Beller, Hans, Christ, and Wuerth.
Wurlitzer, Rudolph, Company, The, assignee: *See*—
Von Stoeser, Walter.
Wurst, Howard J.: *See*—
Kuney, Clarence F., Wurst, and Serrow.
Wydra, Frank K., Chicago, Ill. Dispenser having step-by-step rotating valve with means to prevent reverse rotation thereof. 2,472,688, June 7.
Yamins, Hyam G., Asbury Park, and R. L. Dunn, West Belmar, N. J., assignors to the United States of America as represented by the Secretary of War. Plotter computer for determining shellfire position. 2,472,138, June 7.
Yardeny, Michel N., New York, N. Y. Antihunting means for control devices. 2,472,271, June 7.
Yetter, John W., Lansdowne, and F. G. Langer, Jr., Philadelphia, Pa., assignors to General Electric Company. Switching control for field windings of dynamoelectric machinery. 2,472,642, June 7.
Yocam, Lee R., and D. K. Newman, Vancouver, Wash. Animated fishing lure. 2,472,505, June 7.
Youker, Malcolm P., assignee: *See*—
Youker, Mildred D.
Youker, Mildred D., Los Angeles, assignor, by mesne assignments, to M. P. Youker, Santa Rosa, Calif. Cylinder rotating mechanism for revolvers. 2,472,326, June 7.
Young, David W.: *See*—
Sparks, William J., and Young.
Young, Frederick C.: *See*—
Vennerholm, Oosta, Ford, and Young.
Zausner, Max.: *See*—
David, Herbert J., and Zausner.
Zetka, Joseph B., Clifton, N. J., assignor to Sylvania Electric Products, Inc. Electron tube grid structure. 2,472,767, June 7.
Ziegler, Fred H., Cullman, Ala. Harrow tooth mounting. 2,472,242, June 7.
Zieschang, Gustav H.: *See*—
Gordon, Chester S., Lally, and Zieschang.
Zieschang, Richard, assignor to The Pyrene Company Limited, Brentford, England. Fire extinguisher. 2,472,506, June 7.
Zoerlein, Emil, assignor to Ford Motor Company, Dearborn, Mich. Distributor coupling. 2,472,327, June 7.

LIST OF PLANT INVENTIONS

Rose plant. J. D. Brownell. 845–6, June 7.

LIST OF DESIGN INVENTIONS

Ash tray. J. Nelson. 154,056, June 7.
Automobile. C. B. Stevens. 154,080, June 7.
Boot, Quarter. A. E. Warren. 154,085, June 7.
Bracelet, Wrist watch. E. G. O. Anderson. 154,014, June 7.
Brassière. P. Amyot. 154,013, June 7.
Cap, Container. A. H. Jung. 154,042, June 7.
Casing, Suction cleaner. H. Dreyfuss. 154,027, June 7.
Chain, Jewelry. P. Bardach. 154,020, June 7.
Chain, Jewelry. A. S. Spear. 154,076–8, June 7.
Chair and vibrator, Combined. J. Werner and A. H. Zeigler. 154,087, June 7.
Chest and hutch, Combination. J. G. Osborn. 154,060, June 7.
Clasp. A. S. Spear. 154,073–5, June 7.
Clip, Pen and pencil. F. P. Griffith. 154,035, June 7.
Coin, Toll, or token device for automobiles. A. Zitenfield and J. Weil. 154,089, June 7.
Container or the like, Merchandise. O. W. Trailkill. 154,062, June 7.
Cuff link. G. Le Vaggi. 154,048, June 7.
Cutter, Vegetable. F. R. Smith. 154,071, June 7.
Desk or similar article. D. R. Johnson. 154,040, June 7.
Dishwasher. F. K. Storm, Jr. 154,081, June 7.
Dispenser and toothbrush holder, Combined toothpaste. N. Lipton. 154,049, June 7.
Dispenser, Telescopic paper cup. G. C. Johnson and A. A. Perelman. 154,041, June 7.
Display case and lipstick exhibit, Combined. I. W. Crull. 154,025, June 7.
Drill or similar article, Single spindle hydraulic paper. D. G. Lammi. 154,047, June 7.
Figure, Animal. I. Miller. 154,055, June 7.
Fish, lure, Artificial. J. V. Ferriot. 154,038, June 7.
Fishing rod and walking cane, Combination. H. M. Phillipe and E. H. Boucher. 154,065, June 7.
Fixture, Fluorescent lighting. C. Nitardy. 154,058, June 7.
Fixture, Lighting. C. D. McCann. 154,053, June 7.
Hammock, Kneeling. M. R. Grubb and N. C. Grubb. 154,036, June 7.
Handle for table flatware. A. M. Guior. 154,037, June 7.
Heating apparatus, Electrical. C. Reynolds, Jr. 154,067, June 7.
Holder for a keyway broach and bushing set. W. B. du Mont. 154,029–9, June 7.
Holder, Nail polish bottle, and finger rest. L. Medgyes. 154,054, June 7.
Holder, Pipe. W. E. Weaver and V. N. Bridges. 154,086, June 7.
Instrument, Writing. H. L. Fischer. 154,034, June 7.
Lamp, Automobile. W. Trautner. 154,083–4, June 7.
Lamp with illuminable base. J. Provenzano. 154,066, June 7.
Lighter, Table. G. E. Stahl. 154,079, June 7.
Love seat, lounge, and bed, Combination. R. N. Eisendrath. 154,031, June 7.
Mount, Fishing rod reel. W. L. Rives. 154,068, June 7.
Necklace. M. Duvalet. 154,030, June 7.
Necklace or similar article. A. Katz. 154,043–6, June 7.
Necklace or similar article. A. Philippe. 154,063–4, June 7.
Paper, Wrapping. O. F. Marquardt. 154,051–2, June 7.
Ring, Finger. J. S. Patty. 154,061–2, June 7.
Ring or similar article. N. Barbieri. 154,019, June 7.
Ring or similar article. A. Hoeckele. 154,039, June 7.
Ring or similar article. V. Sorrentino. 154,072, June 7.
Ring or the like, Finger. N. Barbieri. 154,016–18, June 7.
Rocking horse, Child's. W. S. Mandina. 154,050, June 7.
Rule, Illuminable. R. K. Olson. 154,059, June 7.
Scooter. D. M. Simpson. 154,070, June 7.
Shell for an expansible bracelet or similar article, Top. E. G. O. Anderson. 154,015, June 7.
Sofa. A. J. Buckner. 154,023, June 7.
Spoon, Measuring. C. E. Bretney. 154,022, June 7.
Spoon or other article of flatware. E. J. Conroy. 154,024, June 7.
Spreader, Manure. N. A. Nelson. 154,057, June 7.
Standard, Chair end. W. H. Bond, Jr. 154,021, June 7.
Switch, Box cover. V. R. Deepard. 154,026, June 7.
Table, sink, stove, and cabinet unit for vehicle trailer, Combined. D. F. Ham. 154,033, June 7.
Tone arm, Phonograph. C. W. D. Schaefer. 154,069, June 7.
Toy roly-poly or similar article. C. R. White. 154,088, June 7.
Trailer for grading articles. E. A. Ernst. 154,032, June 7.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF JUNE, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading device, Vacuum-actuated. G. Kryl. 2,472,161, June 7.
Acid attack on brick, Inhibiting. M. K. Weber and C. R. Nelson. 2,472,635, June 7.
Acoustical apparatus. H. C. Hayes and E. Klein. 2,472,107, June 7.
Actuator controlling means for calculating machines. E. F. Britten, Jr. 2,472,564, June 7.
Actuator, Key-operated differential. J. Carlsen. 2,472,519, June 7.
Acylating amines. W. P. Utermohlen, Jr. 2,472,633, June 7.
Addition agents for mineral oil lubricants. T. L. Cantrell and H. G. Smith. 2,472,517–18, June 7.
Addition agents for mineral oil lubricants. H. G. Smith, T. L. Cantrell, and J. G. Peters. 2,472,552, June 7.
Adhering machine, Wood. J. W. Jones, Jr. 2,472,708, June 7.
Aiming and fire control system. R. S. Whitlock. 2,472,136, June 7.
Air conditioning apparatus including a sterilising means. L. M. Berryman. 2,472,243, June 7.
Aircraft fuselage construction. C. E. Sorensen and L. C. Miller. 2,472,317, June 7.
Airplane. J. F. Rodeck. 2,472,763, June 7.
Alcohols, Catalytic dehydrogenation of. H. G. Schneider and V. F. Mistretta. 2,472,493, June 7.
Alkoxy pyrasolones, Preparation of. W. A. Gregory. 2,472,581, June 7.
Alkylating phenolic hydroxyl group containing alkaloids and the resulting products. K. Folkers and F. R. Koniuszy. 2,472,411, June 7.
Alloys, Zinc-copper-titanium. E. J. Boyle. 2,472,402, June 7.
Alpha particle counting. C. J. Borkowski. 2,472,365, June 7.
Aluminum, Etching. R. B. Mason. 2,472,304, June 7.
Amalgamator, Centrifugal. T. Hamilton. 2,472,475, June 7.
Amplifier and modulating circuits therefor, Electron discharge tube high-frequency. V. J. Cooper and E. Green. 2,472,195, June 7.
Amplifier, Cathode-ray tube. P. J. Selgin. 2,472,779, June 7.
Analysis of gases, Thermal conductivity. W. J. Clark. 2,472,645, June 7.
Analyzer, Traffic. H. L. McCleery and C. B. Stair. 2,472,258, June 7.
Analyzer, Well. W. A. Bruce. 2,472,464, June 7.
Antacid composition. L. L. Hardt. 2,472,476, June 7.
Antenna. L. J. Eyges. 2,472,201, June 7.
Antenna, Broad band. W. W. Hansen. 2,472,106, June 7.
Antenna system. G. E. Hulstede. 2,472,213, June 7.
Antihunting means for control devices. M. N. Yardeny. 2,472,271, June 7.
Antisplash device for attachment to the heels of shoes or the like. E. Wellwood, R. J. McBride, W. J. Greer, and J. Wellwood. 2,472,687, June 7.
Apparatus and method for carrying out catalytic reactions. A. J. Johnson. 2,472,254, June 7.
Apparatus for capping containers. F. W. Krueger. 2,472,694, June 7.
Apparatus for collecting urine from horses and other animals. G. E. Arnold. 2,472,186, June 7.
Apparatus for handling liquid suspensions. D. B. Wicker and C. W. Cox. 2,472,324, June 7.
Apparatus for molding glass. H. P. Hood. 2,472,660, June 7.
Apparatus for preparing coffee substitutes. E. Weissman. 2,472,636, June 7.
Apparatus for producing a convergent X-ray beam. L. K. Frevel. 2,472,745, June 7.
Apparatus for production of relief surfaces. R. L. Bates. 2,472,273, June 7.
Apparatus for progressively melting and dispensing solidified materials. J. W. Kuehn and M. J. Rosefield. 2,472,594, June 7.
Apparatus for stripping finely divided solids. C. W. Tyson. 2,472,502, June 7.
Apparatus for testing voltage regulators. L. R. Nixon. 2,472,545, June 7.
Apparatus for the treatment of fabrics. R. P. Allen. 2,472,057, June 7.
Apparatus for the treatment of molten metals. R. C. Cornell. 2,472,465, June 7.
Apparatus for treating oil and gas bearing strata. S. D. Sprong. 2,472,445, June 7.
Arc welding. A. U. Welch, Jr. 2,472,323, June 7.
Arrangement for operating oil burners. J. Berger. 2,472,308, June 7.
Aryldesoxyglycoses and diaryldesoxyalditols, Production of. W. A. Bonner and C. D. Hurd. 2,472,276, June 7.
Assembly for brake bands, Friction lining. R. R. Crookston. 2,472,467, June 7.
Attachment for motor vehicles, Traction. F. G. Koehler. 2,472,331, June 7.
Attachment for pneumatic hammers, Nailing. P. Van Sittert and W. E. Barth. 2,472,353, June 7.
Attachment for toilets, Air conditioning. F. L. Owens. 2,472,383, June 7.
Attachment for tractors. A. L. Brauch. 2,472,278, June 7.
Automatic window lock. E. A. Barber, A. D. Collins, and H. C. Sylvester. 2,472,895, June 7.
Automatically adjustable disk brake. W. H. Du Bois. 2,472,697, June 7.
Automobile clothes rack. W. H. Walker. 2,472,132, June 7.
Awning, Shutter-fold. J. H. Kadleck. 2,472,429, June 7.
Axle and wheel assembly, Adjustable. T. Brown 2,472,742, June 7.
Backstop for bowling alleys. A. B. Hackert. 2,472,208. June 7.
Backing or chill ring. J. J. Dillon and M. Needle. 2,472,523, June 7.
Bacteria, Deflocculating. G. Green. 2,472,419, June 7.
Ball, Bowling. J. Darula, Jr. 2,472,406, June 7.
Band-saw attachment, Blade-shearing. C. J. Anderson 2,472,509, June 7.
Bar: *See*—
Tow bar.
Barn, Milking. G. J. Polivka. 2,472,122, June 7.
Barrel contracting tool. W. D. Jordan. 2,472,080, June 7.
Bed heater. W. J. Miller. 2,472,224, June 7.
Beer, Preservation of. A. H. Hughes. 2,472,252, June 7.
Belt driving device. N. O. Berquist. 2,472,513, June 7.
Benzylideneamino compounds of pyridine. H. L. Friedman and L. D. Braitberg. 2,472,292, June 7.
Binding for linoleum. A. I. Kantor. 2,472,081, June 7.
Biotin intermediate. M. B. and E. E. Moore. 2,472,433, June 7.
Bit: *See*—
Removable drilling bit.
Blade, Potato digger. F. R. Wright. 2,472,360, June 7.
Blankets, blanket material, felt substitutes, and carpet material. A. P. Benthall. 2,472,512, June 7.
Blankets, blanket material, felt substitutes, and carpet material, Manufacture of. A. P. Benthall. 2,472,511, June 7.
Block: *See*—
Building block. Terminal block.
Board: *See*—
Peg game board.
Bobbin clutch. G. West. 2,472,240, June 7.
Boost device, Hydraulic. R. W. Thomas. 2,472,236, June 7.
Bore gauge. E. H. Aldeborgh and A. H. Emery. 2,472,139, June 7.
Bore sight for insertion in the breech chamber of guns to provide overlapping images of muzzle portions of the gun bores. L. H. Brown. 2,472,091, June 7.
Bottle carrier. S. W. Turner. 2,472,237, June 7.
Bottle closure, Nonrefillable. A. Whitlam. 2,472,182, June 7.
Bottom for metallurgical furnaces. T. M. Fairchild. 2,472,655, June 7.
Box: *See*—
Display box.
Box or carton, Duplex. E. Morand. 2,472,674, June 7.
Bracelet, Expansible. A. Pretre. 2,472,314, June 7.
Brake: *See*—
Automatically adjustable disk brake.
Brake lock. T. Schueler. 2,472,442, June 7.
Brake rigging. E. G. Mueller. 2,472,169, June 7.
Brassière. H. H. Bruderlin. 2,472,280, June 7.
Brassière. R. Michaelson. 2,472,606, June 7.
Brassière. L. Shulman. 2,472,764, June 7.
Brassière, Strapless. L. Shulman. 2,472,765, June 7.
Brickwork structures, Erection of. E. G. Malthouse. 2,472,221, June 7.
Building block. J. G. Blackinton. 2,472,363, June 7.
Bullet, Explosive. W. T. Moore and R. N. Nelson. 2,472,118, June 7.
Butadiene emulsion polymerization in the presence of a glycol mono-ether. W. A. Schulze and W. W. Crouch. 2,472,232, June 7.
Butadiene extraction. J. B. Lovell. 2,472,487, June 7.
C-acetylated and O-acetylated compounds, Preparing. J. A. Spence and E. F. Degering. 2,472,628, June 7.

LIST OF INVENTIONS

Cabinet structure, Kitchen. G. Scharmer. 2,472,685, June 7.
Cable end receptacle. A. A. Mahren. 2,472,113, June 7.
Caliper, Micrometer. H. S. Robinson. 2,472,126, June 7.
Camera, Universal motion and still picture. I. Jerome. 2,472,299, June 7.
Canopy, Parachute. H. E. Mallory. 2,472,601, June 7.
Cap: *See*—
Container cap. Liquid fuel tank cap.
Cap and valve therefor, Container. J. G. ward. 2,472,555, June 7.
Carburetor. M. C. Brown. 2,472,092, June 7.
Carburetor process for acetylene reactions. H. Beller, R. E. Christ, and F. Wuerth. 2,472,084, June 7.
Carburetor process for acetylene reactions. H. Beller, R. E. Christ, and F. Wuerth. 2,472,086, June 7.
Carburetor process for making N-vinyl compounds. H. Beller, R. E. Christ, and F. Wuerth. 2,472,085, June 7.
Card, Button. J. J. Heilman. 2,472,532, June 7.
Carrier: *See*—
Bottle carrier. Collapsible parcel carrier.
Cart, Folding. H. J. David and M. Zaumer. 2,472,407, June 7.
Cart with hydraulic lift, Straddle-type log handling. T. A. Dowd. 2,472,197, June 7.
Carton: *See*—
Knockdown carton.
Carton. A. T. Buttery. 2,472,516, June 7.
Cartoon, Animated. J. Carroll. 2,472,191, June 7.
Cartridge clip. E. C. Pickron. 2,472,673, June 7.
Case with cap fastener, Cigarette. C. W. Rosenberger. 2,472,344, June 7.
Castanet and tambourine, Combined. C. Di Angelo. 2,472,406, June 7.
Caster. O. L. Snyder. 2,472,686, June 7.
Casting machine, Centrifugal. R. E. Christian and A. W. Widergatedt. 2,472,246, June 7.
Catch. R. A. Stone. 2,472,498, June 7.
Cathode-ray circuit. W. M. Hall. 2,472,209, June 7.
Cathode-ray tube. L. A. Woodbridge. 2,472,766, June 7.
Cathode structure for electric discharge devices. J. H. Hutchings. 2,472,077, June 7.
Cellulosic material, Flameproofing combustible. A. McLean and S. F. Harrian. 2,472,335, June 7.
Cementitious refractory and making. L. E. Greene. 2,472,206, June 7.
Ceramic objects, Coloring. H. C. Staehle. 2,472,128, June 7.
Chain support. L. A. Blackburn. 2,472,461, June 7.
Chains, Applying and securing anklekid. J. D. Carroll. 2,472,765, June 7.
Check and closer, Door. J. G. Allen. 2,472,508, June 7.
Chuck, Polishing. G. Bolduc. 2,472,399, June 7.
Chuck, Snap. W. Apest. 2,472,184, June 7.
Chute for loading materials, Segmental. J. O'Halloran. 2,472,308, June 7.
Circuit: *See*—
Cathode-ray circuit. Radio-frequency testing circuit.
Frequency sensitive circuit. Variable frequency magnetron circuit.
Motor control circuit.
Polyphase supply circuit.
Circuit breaker. F. Short. 2,472,233, June 7.
Circuit breaker, Electric. S. R. Smith, Jr. 2,472,625, June 7.
Circuit for direct-current restoration, Double time-constant. V. J. Duke. 2,472,577, June 7.
Circuit interrupting device. E. F. Kohl. 2,472,332, June 7.
Clamp: *See*—
Core clamp. Rack and pawl actuated quick-acting clamp.
Drop wire clamp. Suspension clamp.
Hose clamp.
Clasp, Neckties. F. L. Bievenouer. 2,472,190, June 7.
Clay catalysts, Preparation of. J. A. Pierce. 2,472,489, June 7.
Cleaning, penetrating, and corrosion loosening composition. C. A. Jensen. 2,472,298, June 7.
Clinical exercise table. L. G. Albisu. 2,472,391, June 7.
Clip: *See*—
Cartridge clip. Tenter clip.
Clips, Forming paper. C. S. Lee. 2,472,711, June 7.
Clothes hanger. J. H. Mullen. 2,472,202, June 7.
Clothes rack. J. Huhn, Jr. 2,472,480, June 7.
Clutch: *See*—
Bobbin clutch. Multiple clutch.
Clutch and brake device, Air actuated. R. E. Wiseman. 2,472,452, June 7.
Coating composition, Fireproofing. M. Leatherman. 2,472,112, June 7.
Coating compositions, Rust inhibiting. L. S. Engle and W. Fikar. 2,472,099, June 7.
Coating compositions using polyethylene coated pigments, Making. B. C. Pratt. 2,472,680, June 7.
Coating for electrical steel sheet and strip, Inorganic insulating. G. C. Kiefer. 2,472,592, June 7.
Coccidiostatic composition. P. D. Harwood. 2,472,422, June 7.
Coconut husk removing tool. C. P. Waters. 2,472,854, June 7.
Coffee, Decaffeinated soluble. J. Ornfelt. 2,472,121, June 7.
Coil clamping method and apparatus. G. S. Quinn and J. E. McLoughlin. 2,472,778, June 7.
Collapsible parcel carrier. S. and E. Friedmann. 2,472,203, June 7.
Collar. A. J. Logan. 2,472,430, June 7.
Combination shade and curtain rod holder. E. F. Lyon. 2,472,220, June 7.
Combustion chamber construction. F. McGowen and M. C. Travis. 2,472,117, June 7.
Communication system affording break-in operation, Single channel radio. W. D. Hailes. 2,472,585, June 7.
Compound of resin and powdered metal, Fast-setting. E. J. Coleman. 2,472,247, June 7.
Computer for determining shellfire position, Plotter. H. G. Yamins and R. L. Dunn. 2,472,138, June 7.
Condensation product of a polyhalogenated aliphatic hydrocarbon and a copolymer of a polymerizable cyclic compound and an unsaturated aliphatic hydrocarbon. W. J. Sparks and D. W. Young. 2,472,495, June 7.
Condensation products, Manufacture of. C. Weismann. 2,472,135, June 7.
Condenser apparatus. A. I. Ponomareff. 2,472,615, June 7.
Confection making machine. H. P. Curlee. 2,472,650, June 7.
Contacting fluids. S. W. Ferris, E. R. Lamson, and D. M. Smith. 2,472,578, June 7.
Container: *See*—
Food container. Key container.
Container. M. L. Williamson. 2,472,153, June 7.
Container cap. D. Petersen. 2,472,436, June 7.
Container for a comb. R. Gingold. 2,472,700, June 7.
Container for bathroom supplies. W. D. Richardson. 2,472,683, June 7.
Control device for coin-operated phonograph apparatus, Automatic time. L. A. Durant. 2,472,287, June 7.
Control devices for steam locomotives, Throttle. C. Stern. 2,472,176, June 7.
Control for field windings of dynamoelectric machinery, Switching. J. W. Yetter and F. G. Langer, Jr. 2,472,642, June 7.
Control for industrial trucks or the like, Speed. C. E. Cochran. 2,472,646, June 7.
Control for track switches, Safety. H. A. Brown. 2,472,063, June 7.
Control mechanism, Fluid pressure. W. A. Eaton. 2,472,653, June 7.
Control of electrical contacting elements. H. M. Knapp. 2,472,709, June 7.
Control system. G. H. Gordon. 2,472,157, June 7.
Control system, Alternator. O. Krauer and A. W. Forsberg. 2,472,538, June 7.
Control system, Electrical speed. J. R. Schoenbaum. 2,472,390, June 7.
Control system for pumps, Volume. F. T. Harrington and J. Robinson. 2,472,477, June 7.
Control system, Fuel. M. J. Thomas and G. C. Fricke. 2,472,734, June 7.
Control system, Gas-burner. W. A. Ray. 2,472,384, June 7.
Controlling system, Liquid pressure operated. L. C. Chouings. 2,472,694, June 7.
Conversion of hydrosulfides to neutral sulfur substances. L. C. Fetterly. 2,472,473, June 7.
Cooker, Pressure. T. R. Rhodes and E. R. Hunt. 2,472,620, June 7.
Cooker, Pressure. L. F. Whitney. 2,472,451, June 7.
Cooking apparatus. C. Mannheimer. 2,472,164, June 7.
Copper coating ferrous metal, Process and bath for. S. C. Avallone, A. W. Harris, and E. J. Whiting. 2,472,393, June 7.
Core clamp. H. Epstein. 2,472,150, June 7.
Core for use in molding hollow concrete walls, Expansible. K. Farley. 2,472,068, June 7.
Corrosion products from surfaces containing heavy metals, Removing. C. Rossi. 2,472,694, June 7.
Counterbalancing apparatus. W. C. Ewaldson. 2,472,151, June 7.
Coupling: *See*—
Distributor coupling. Tractor trailer electrical coupling.
Dual grip contractible hose coupling.
Coupling device for detachably securing sunshades, filter holders, and like accessories to the lens barrels of cameras. H. Nagel. 2,472,307, June 7.
Cover means for vegetables and other plants. J. F. Stevenson. 2,472,630, June 7.
Cracking machine, Cereal grain. J. W. Thomas. 2,472,780, June 7.
Crankshaft and making same. H. L. Mueller. 2,472,261, June 7.
Crucible and making crucibles. R. J. Anicetti. 2,472,456, June 7.
Crushing and grinding machine. G. W. Rundle. 2,472,725, June 7.
Crystal apparatus, Piezoelectric. W. L. Bond. 2,472,691, June 7.
Crystal apparatus, Piezoelectric. W. P. Mason. 2,472,715, June 7.
Crystal apparatus, Piezoelectric. W. P. Mason. 2,472,753, June 7.
Crystals, Growing. E. J. Malone. 2,472,203, June 7.
Cuprous naphthenate in the treatment of petroleum oil, Production of. C. O. Hoover. 2,472,253, June 7.
Cutting and placing machine, Dough. M. Haecks. 2,472,073, June 7.

LIST OF INVENTIONS

Cyclic nitrogen base sulfonates, Production of. F. C. Giemski. 2,472,583, June 7.
Cylinder back pressure valve. J. M. Clark. 2,472,284, June 7.
Cylinder rotating mechanism for revolvers. M. D. Yonker. 2,472,326, June 7.
D-gluco-saccharic acid, Preparation of. C. L. Mehltretter, C. E. Rist, and B. H. Alexander. 2,472,166, June 7.
Dehydroabietic acid derivatives. Y. T. Pratt. 2,472,487, June 7.
Denture, Cast or molded. J. A. Saffir. 2,472,492, June 7.
Desk, Knockdown. R. J. Freeman. 2,472,579, June 7.
Detecting radiations, Method and apparatus for. R. E. Fearon. 2,472,185, June 7.
Detection of high-frequency electric oscillations. J. L. Lawson. 2,472,375, June 7.
Device for enlarging pictures. A. A. D'Orazi. 2,472,148, June 7.
Device for teaching arithmetic. A. E. Rogers. 2,472,439, June 7.
Dibenzylidene derivative of 2,2,6,6-tetramethylcyclohexanol. G. C. Dermer. 2,472,147, June 7.
Dice. P. H. Brinkoeter. 2,472,515, June 7.
Dimethyl silicone gums, Preparation of. M. M. Sprung. 2,472,629, June 7.
Direct-current apparatus. F. P. Weiss. 2,472,134, June 7.
Dispenser: *See*—
Roll paper dispenser. Tape dispenser.
Dispenser having step-by-step rotating valve with means to prevent reverse rotation thereof. F. K. Wydra. 2,472,688, June 7.
Dispensing and measuring device. A. A. Campbell. 2,472,092, June 7.
Display box. R. Van Rosen. 2,472,449, June 7.
Distillation of a mixture of hydrocarbons, The. R. C. Brandon and M. C. K. Jones. 2,472,465, June 7.
Distillation of olefin-hydrogen chloride mixtures. A. C. Nixon, D. C. Lehwalder, and H. A. Cheney. 2,472,610, June 7.
Distributor coupling. E. Zoerlein. 2,472,327, June 7.
Distributor for bitumen and like material. G. M. Etnyre. 2,472,199, June 7.
Di-(2-chloro-cyclohexyl)-sulfide as insecticide. H. W. Moll. 2,472,755, June 7.
Divider, Can line. E. Bourland. 2,472,563, June 7.
Door structure, Overhead. C. J. Manville. 2,472,602, June 7.
Double-acting reciprocating pump. M. Covihs. 2,472,647, June 7.
Drain cock. D. L. Phillips. 2,472,677, June 7.
Drawbench. W. Rodder. 2,472,231, June 7.
Dry wear, Ball bearing. E. W. King. 2,472,598, June 7.
Drilling apparatus having crown block movable lengthwise of mast, Oil well. H. J. Woolslayer, C. Jenkins, and W. H. Luttgen. 2,472,359, June 7.
Drive mechanism, Reduction. O. J. Huelster. 2,472,771, June 7.
Driving arrangement for spindles of spinning and doubling frames. W. Naegeli. 2,472,226, June 7.
Drop wire clamp. C. S. Gordon, W. J. Lally, and G. H. Zirachang. 2,472,527, June 7.
Drying apparatus, Steam. M. Frisch. 2,472,101, June 7.
Drying of foots, Electronic. B. Clayton. 2,472,193, June 7.
Drying or cleaning apparatus, Hand. H. Barnes. 2,472,272, June 7.
Dual grip contractible hose coupling. H. K. Ansingh. 2,472,455, June 7.
Dye intermediates, Production of. R. M. Leekley. 2,472,666, June 7.
Dyestuffs and their manufacture, Diazo. H. Fischer. 2,472,215, June 7.
Electric cell of the immersion type. W. K. Kearsley, A. F. Winslow, and H. A. Liebhafsky. 2,472,376, June 7.
Electric furnace. F. F. Poland. 2,472,612, June 7.
Electric heating. S. J. Temple. 2,472,178, June 7.
Electric resistance furnace. F. F. Poland. 2,472,613, June 7.
Electric switch. K. Bollmann and H. Meier. 2,472,275, June 7.
Electric switch. C. D. Hayward. 2,472,588, June 7.
Electrical apparatus. J. V. McNulty. 2,472,671, June 7.
Electrical plug. T. Atherton and F. E. Ryder. 2,472,690, June 7.
Electrode for high-frequency heating of insulation preforms. L. D. Draigmand. 2,472,370, June 7.
Electrodes for electric arcs, Producing. M. V. Oswald. 2,472,171, June 7.
Electrode for electron discharge devices. H. L. Ratchford. 2,472,760, June 7.
Electrolyte with phosphoric acid, Battery. H. E. Lawson. 2,472,379, June 7.
Electromagnet. F. J. M. Theunissen. 2,472,553, June 7.
Electromagnetic pump. J. W. Dickey and N. S. Trout, Jr. 2,472,067, June 7.
Electron discharge device employing cavity resonator circuits. L. S. Nergaard. 2,472,721, June 7.
End stop for slide fasteners. A. E. Carlile and A. M. Brown. 2,472,743, June 7.
Engine cooling baffle. A. T. Gregory. 2,472,418, June 7.
Enriching the endosperm of cereal grains with natural vitamins. E. G. Hueniaub. 2,472,426, June 7.
Ethyl alcohol, Production of. A. S. Ramage. 2,472,618, June 7.
Ethynyl carbinol of β-ionone, Process for preparing the. W. Oroshalk. 2,472,310, June 7.
Evaporator. J. Elsner. 2,472,400, June 7.
Excavating and load handling machine. L. R. Russell. 2,472,726, June 7.
Explosive composition. G. C. Hale. 2,472,105, June 7.
Explosively actuated tool. I. R. Murphy. 2,472,120, June 7.
Extraction of oil, Solvent. C. M. Stone. 2,472,499, June 7.
Eyepiece for optical instruments, Sealed adjustable. A. L. Baker. 2,472,739, June 7.
Fastener: *See*—
Garment fastener. Lid fastener.
Fastener. H. E. Diaper. 2,472,651, June 7.
Feed, Cattle. C. W. A. and M. R. S. Kleine. 2,472,663, June 7.
Feeder circuit from a power circuit, Disconnecting a faulted. F. W. Gay. 2,472,657, June 7.
Feeding absorbent materials to streams of liquid hydrocarbons, Method and apparatus for. D. B. Banks. 2,472,459, July 7.
Filing equipment, Card. G. C. Bruen. 2,472,567, June 7.
Film holder. O. E. Wolf. 2,472,358, June 7.
Filter: *See*—
Rotary drum filter.
Finning engine cylinders. W. M. Busse. 2,472,245, June 7.
Firearm and ammunition therefor, Recoilless. W. J. Kroeger and C. W. Musser. 2,472,111, June 7.
Fire extinguisher. R. Zieschang. 2,472,506, June 7.
Fish lure retriever. L. M. Gundel. 2,472,207, June 7.
Fishing lure, Animated. L. R. Yoeam and D. K. Newman. 2,472,505, June 7.
Fishing rod holder. J. A. Arwood. 2,472,089, June 7.
Fixture, Machine tool. C. O. Bartholdy. 2,472,083, June 7.
Float control for liquid dispensing devices. W. Von Steeser. 2,472,389, June 7.
Flow-actuated valve. N. Brewer. 2,472,090, June 7.
Fluid actuated tool. P. Van Sittert. 2,472,352, June 7.
Fluid pressure operated valve. S. H. Edwards. 2,472,523, June 7.
Fluorescent inspection lamp. H. W. Tittle. 2,472,180, June 7.
Flush valve. A. C. Dobrick. 2,472,576, June 7.
Flushing mechanism, Water closet. L. E. Van Dercar. 2,472,634, June 7.
Focus control for cathode-ray tubes, Automatic. A. H. Mankin. 2,472,165, June 7.
Fog inhibitor for photographic emulsions. W. F. Smith and R. E. Stauder. 2,472,627, June 7.
Fog inhibitor for photographic emulsions. W. F. Smith and A. P. H. Trivelli. 2,472,626, June 7.
Food container. W. E. Green. 2,472,582, June 7.
Footwear, Producing felt. W. Pasko. 2,472,263, June 7.
Form for electric winding coil. L. L. Mayer. 2,472,603, June 7.
Fountain, Drinking. C. G. Shepherd. 2,472,367, June 7.
4:7-dichloro-(2:1)-naphthindole-2:2'-(2'':1'')-naphthathionaphthene indigo. D. G. Wilkinson. 2,472,356, June 7.
Frequency sensitive circuit. L. E. Matson, Jr., and R. N. Lemick. 2,472,167, June 7.
Front type thermostat mounting. E. J. Sanders. 2,472,728, June 7.
Fuel, Diesel engine. A. Farkas and A. F. Stribley, Jr. 2,472,152, June 7.
Fuel ingredients and their preparation, Safety. O. C. Slotterbeck. 2,472,494, June 7.
Furnace: *See*—
Electric furnace.
Electric resistance furnace.
Furnace. K. W. Stookey. 2,472,497, June 7.
Garment. H. H. Broderlin. 2,472,281, June 7.
Garment. J. J. Klapert. 2,472,329, June 7.
Garment, Convertible. L. Botha. 2,472,141, June 7.
Garment fastener. R. V. Sullivan. 2,472,233, June 7.
Garment, Feminine. S. and E. Litt. 2,472,302, June 7.
Garment, Maternity. G. Z. Florito. 2,472,154, June 7.
Garment, Umbrella carrying. A. Drasnin. 2,472,286, June 7.
Gauge: *See*—
Bore gauge.
Gauge attachment, Universal height. M. M. Marcil. 2,472,431, June 7.
Gauge for conduits, Magnetic. H. L. Turner. 2,472,319, June 7.
Gauge for projectiles, Thrust. C. N. Hickman. 2,472,108, June 7.
Gear for aircraft, Landing. R. T. Wood. 2,472,641, June 7.
Gearing, Planetary. E. E. Arnold and J. S. Newton. 2,472,559, June 7.
Generator: *See*—
Ultra high frequency oscillation generator.
Glass catalysts, Preparing porous. C. J. Plank. 2,472,490, June 7.
Glass feeder shear mechanism actuating means. C. R. Avery. 2,472,560, June 7.
Glass, Lead-titanium-borate. K.-H. Sun. 2,472,447, June 7.
Glass, Thallium-silicate. K.-H. Sun. 2,472,448, June 7.

Glaze applying machine. V. E. Ackles. 2,472,454, June 7.
Glove, Incorporating a change purse. H. Le Clair. 2,472,751, June 7.
Gluten sulfate and salts thereof, Preparing. H. C. Reitz. 2,472,267, June 7.
Glycol, Manufacture of. M. Gonze. 2,472,417, June 7.
Golf exercising apparatus. R. F. Cottingham. 2,472,065, June 7.
Golf, Indoor. C. S. Barker. 2,472,187, June 7.
Governor, Propeller. F. W. Werth, Jr. 2,472,181, June 7.
Grinding machine. M. I. Mathewson. 2,472,222, June 7.
Guide, Scraper. G. R. Howe. 2,472,076, June 7.
Halogen compounds and their production, Active. W. C. Arsem. 2,472,361, June 7.
Handle mounting. J. G. Hoff. 2,472,479, June 7.
Hanger: *See*—
  Clothes hanger.
Harness, Loom. J. J. Kaufmann. 2,472,772, June 7.
Harrow tooth mounting. F. H. Ziegler. 2,472,242, June 7.
Harvester. H. C. Sage. 2,472,762, June 7.
Hat stay and compartmenting means for hat boxes, Combined. L. James and J. E. Jubin. 2,472,079, June 7.
Headlighting for vehicles, Electric. B. Hybler. 2,472,078, June 7.
Heat-exchange apparatus. H. L. Barnebey and J. R. Shields. 2,472,362, June 7.
Heat exchanger. J. M. Gantwoort. 2,472,413, June 7.
Heat-treating particle-form solid adsorbents. J. W. Payne. 2,472,776, June 7.
Heat-treating steel. G. Vennerholm, H. D. Ford, and F. C. Young. 2,472,320, June 7.
Heater: *See*—.
  Bed-heater.
Heater for softening thermoplastics, Electric. J. V. Calhoun. 2,472,144, June 7.
Heaters, Manufacture of electric. C. W. Cappell. 2,472,145, June 7.
Heating sheet, Mica base. M. D. Heyman. 2,472,533, June 7.
Heating unit, including reciprocating grates. L. F. Gough. 2,472,746, June 7.
Helicopter and support, Rotary. W. L. West. 2,472,556, June 7.
Helicopter kite. R. W. Fernstrum. 2,472,290, June 7.
High-frequency coaxial cable switch. S. M. Beleskas. 2,472,274, June 7.
Hinge, Easel. C. N. Cross. 2,472,405, June 7.
Hitch, Trailer. D. C. McCune and H. Brooks. 2,472,432, June 7.
Hoisting device. J. B. Houghton. 2,472,251, June 7.
Holder: *See*—
  Combination shade and curtain rod holder.
  Film holder.
  Fishing rod holder.
  Malleable display holder.
  Paper roll holder.
  Portable drill press holder.
  Sack holder.
  Self-fastening cord holder.
  Smoothing iron holder.
  Steel wool pad holder.
  Syringe holder.
  Tube and instrument holder.
  Welding electrode holder.
Holder and buffer, Door. W. P. Bennett. 2,472,397, June 7.
Holder for surgical drills, Modified bone screw. J. H. Giesen. 2,472,103, June 7.
Holder for vehicles, Electromagnetic hill. H. Nissen. 2,472,544, June 7.
Hose clamp. W. G. Ovens and J. W. McCrea. 2,472,172, June 7.
Hydraulic press. F. C. Wilson. 2,472,390, June 7.
Hydraulic pump. P. Hashr. 2,472,529, June 7.
Hydraulic system for vehicle jacks. M. D. Hall. 2,472,294, June 7.
Hydrocarbon conversion with fluidized catalyst. T. B. Kimball. 2,472,537, June 7.
Hydrocarbon oils, Refining. E. E. Langan, N. E. Lemmon, and F. W. Schuessler. 2,472,217, June 7.
Hydrocarbon synthesis. P. C. Keith. 2,472,377, June 7.
Hydrocarbon synthesis with fluidized catalyst regeneration. E. A. Johnson. 2,472,427, June 7.
Ice breaker. A. C. Bennett and W. O. Engler. 2,472,188, June 7.
Imidasolido thiophanes and preparing same. B. R. Baker and M. V. Querry. 2,472,458, June 7.
Impeller for centrifugal force pumps. W. B. Fritz. 2,472,412, June 7.
Implement or loader, Farm. C. R. Cook. 2,472,194, June 7.
Implement, Soil pulverizing and rolling. T. G. Schmeiser. 2,472,386, June 7.
Impression of the shape of an object, Making and maintaining an. W. J. Mead. 2,472,754, June 7.
Impulse motor. H. C. Roters. 2,472,621, June 7.
Indicator for variable pitch propellers, Pitch. W. V. Brown. 2,472,693, June 7.
Indicator system, Tuning. O. C. Keil, Jr., and J. H. Loftun. 2,472,536, June 7.
Infinite stage pump. D. Grant and N. Bashark. 2,472,104, June 7.
Ingot mold. E. Gathmann. 2,472,072, June 7.
Inhibitor. P. Subkow. 2,472,318, June 7.
Inks, Printing. C. A. Rietz. 2,472,126, June 7.
Instrument, Barometric. C. J. Ulrich. 2,472,735, June 7.
Instrument, Catheter-type. L. H. Krippendorf. 2,472,483-5, June 7.
Instrument, Musical. J. T. Kuns. 2,472,595, June 7.
Instrument, Taper measuring. O. J. Minuto. 2,472,306, June 7.
Instruments, Electron optical. A. M. Rennie. 2,472,316, June 7.
Interpolymers, Resinous. R. E. Holmen. 2,472,661, June 7.
Iron support. W. M. Brady. 2,472,244, June 7.
Iron tip, Soldering. M. R. Hartnell. 2,472,296, June 7.
Jig, Connecting rod aligning. J. M. Lantz and E. R. Kerchal. 2,472,163, June 7.
Joint: *See*—
  Pipe expansion joint.
  Pipe joint.
  Railway rail joint.
Keeper for door bolts. W. H. Schneider. 2,472,174, June 7.
Key container. N. E. Olson. 2,472,337, June 7.
Kite. E. N. Winslow. 2,472,137, June 7.
Kite and control, Flying. H. K. Hole. 2,472,075, June 7.
Knife, Putty. F. B. Lewandowski. 2,472,668, June 7.
Knitting finger ring. H. Greenstein. 2,472,702, June 7.
Knitting machine, Straight-bar. H. W. and E. Start. 2,472,175, June 7.
Knockdown carton. A. G. Edtmiller. 2,472,698, June 7.
Lamp: *See*—
  Fluorescent inspection lamp.
Lamp. D. Trompeter. 2,472,632, June 7.
Lamp and assembly therefor, Flourescent. M. C. Levy. 2,472,597, June 7.
Landing head for plural casings and oil tubings. E. C. Counts and N. H. Le Roy. 2,472,466, June 7.
Latch. C. B. Gaeh. 2,472,474, June 7.
Latch for receptacles, Handle operated. W. H. Cadwell. 2,472,404, June 7.
Latch mechanism, Door. D. C. Smith. 2,472,730, June 7.
Leak detection. T. de Forest. 2,472,522, June 7.
Lever fulcrum, Dead. H. H. Shaffer. 2,472,443, June 7.
Lid fastener. A. Claud-Mantle. 2,472,285, June 7.
Light control. K. L. Beninger and C. H. Lowrey. 2,472,741, June 7.
Lighter, Cigar and cigarette. H. Lee. 2,472,773, June 7.
Lighter construction, Pyrophoric. R. L. Burchett. 2,472,282, June 7.
Line circuit and line finder, All relay telephone. R. W. Jones. 2,472,428, June 7.
Liquid from wet film, Removal of excess. C. J. Kunz. 2,472,590, June 7.
Liquid fuel tank cap. S. Wise. 2,472,737, June 7.
Liquids, Dehydrating effervescent. R. A. Bierwirth. 2,472,562, June 7.
Loader machine. E. M. McElhinney and T. A. Podhajsky. 2,472,223, June 7.
Loading device for grinding machines, Work. A. J. Jones and C. C. W. Williams. 2,472,707, June 7.
Locating beacons. E. L. Hudspeth. 2,472,212, June 7.
Locator, Mill cutter center. C. R. Wilson. 2,472,241, June 7.
Lock: *See*—
  Automatic window lock.
  Brake lock.
  Receptacle closure lock.
  Truck tail gate lock.
Locking device. J. A. Barraket. 2,472,394, June 7.
Locking means for cases, containers, and the like. G. Levinson. 2,472,486, June 7.
Luggage, Mobile. B. Quinton. 2,472,491, June 7.
Machine attachment, Gear hobbing. J. W. Barcus. 2,472,644, June 7.
Machine for assembling and molding shoe buttom parts. W. H. Hegga and H. G. Heather. 2,472,210, June 7.
Machine for automatically removing the feathers from fowl. E. B. Digby. 2,472,468, June 7.
Machine for cleaning the surfaces of Venetian blind slats. J. Gaino. 2,472,155, June 7.
Machine for operating on sole parts. A. F. Donovan. 2,472,524, June 7.
Machine head control, Pressing. H. D. Forse. 2,472,656, June 7.
Machine tool. G. F. Eason. 2,472,744, June 7.
Machine with squeezer extractor, Washing. H. J. Rand. 2,472,682, June 7.
Magneto, Flywheel. R. E. Phelon. 2,472,313, June 7.
Mailbox, Automatic signal. R. Carter. 2,472,192, June 7.
Mailable display holder. A. Mathewson. 2,472,166, June 7.
Maudrel for band saws, Work-supporting adjustable. S. J. A. Christie. 2,472,570, June 7.
Manicuring device. M. J. Lessard. 2,472,667, June 7.
Massage device. M. A. Bollman. 2,472,385, June 7.
Measuring device with oscillator, Liquid level. C. A. de Cillers and A. Edelman. 2,472,249, June 7.
Measuring or comparing device. P. G. Skinner. 2,472,348, June 7.
Measuring system, Elastic fluid-flow. D. W. Moore, Jr. 2,472,609, June 7.
Mechanical method for grain refining magnesium alloys. J. S. Peake. 2,472,757, June 7.
Mercaptans, Preparation of. L. T. Eby. 2,472,470, June 7.
Metal compounds from oil feed to fluid catalyst cracking, Removal of. N. P. Peet. 2,472,723, June 7.
Metal sheet, Bituminous mastic coated. W. F. Fair, Jr. 2,472,100, June 7.
Metal surfaces against hydrogen sulfide corrosion, Protecting. D. C. Bond and M. Savoy. 2,472,400, June 7.
Metalworking machine. A. J. Barrie and R. J. Dwyer. 2,472,561, June 7.

Meter: *See*—
  Two range exposure meter.
Metering device. R. L. Fryer, Jr. 2,472,102, June 7.
Mica splitting machine. J. F. Boucek. 2,472,401, June 7.
Microphone, Piezoelectric sound pressure. F. Massa. 2,472,714, June 7.
Milling machine for formed cutters. E. Schludier. 2,472,346, June 7.
Milling machine with pivoting and sliding head. C. Schlablin-Villeneuve. 2,472,345, June 7.
Mixture of nucleotides containing predominantly adenosintriphosphate, Preparation of. A. E. Szent-Györgyi. 2,472,130, June 7.
Mobile body. A. Wolf. 2,472,357, June 7.
Moccasin vamps and plugs, Securing together. H. Phillips. 2,472,265, June 7.
Mold: *See*—
  Ingot mold.
Mold assembly for producing cast metal slabs. E. Gathmann. 2,472,071, June 7.
Monoazo dipyrazolones, Metallizable. P. Hindermann. 2,472,109, June 7.
Monosubstituted desoxyglycoses and preparing the same. W. A. Bonner, H. Woods, and C. D. Hurd. 2,472,277, June 7.
Motor: *See*—
  Impulse motor.
  Reciprocating electromagnetic motor.
  Vibratory motor.
Motor acceleration means. H. F. Roach and W. R. Nelson. 2,472,341, June 7.
Motor control. H. C. Waterman. 2,472,736, June 7.
Motor control circuit. J. T. L. Brown and C. E. Pollard, Jr. 2,472,566, June 7.
Motor control circuit. B. Ostendorf, Jr. 2,472,611, June 7.
Motor protective system, Underspeed. A. C. Frazee. 2,472,526, June 7.
Motor vehicle. H. R. Van Vleck. 2,472,450, June 7.
Mount for cameras, Detachable shutter. D. C. Harvey. 2,472,586, June 7.
Mounting: *See*—
  Front type thermostat mounting.
  Handle mounting.
  Harrow tooth mounting.
  One-piece channeled lens mounting.
  Outboard motor mounting.
Mounting bracket for transformers. E. J. Mackereth. 2,472,752, June 7.
Mounting for camera lens turrets, Range finder. R. Stillwell. 2,472,732, June 7.
Mullion. C. F. Kuney, H. J. Wurst, and R. J. Serxow. 2,472,162, June 7.
Multiple clutch. F. L. Lavash. 2,472,750, June 7.
Multiplying mechanism. C. H. Doersam, Jr. 2,472,097, June 7.
N-(4,5-dihydroxy-n-amyl) and n-(4,5-diacyloxy-n-amyl) aromatic amines. J. B. Dickey. 2,472,575, June 7.
Naphthenate, Production of cuprons. C. O. Hoover. 2,472,424, June 7.
Napping machine. W. N. Hadley. 2,472,584, June 7.
Navigation system, Radio. E. C. Streeter, Jr. 2,472,129, June 7.
Net, Landing. L. A. Dailey. 2,472,572, June 7.
Nitro compounds, Manufacture of organic. A. E. W. Smith, C. W. Scaife, and H. Baldock. 2,472,550, June 7.
Oil, Burning. T. Nagel. 2,472,720, June 7.
Oil compositions, Lubricating. J. L. van der Minne. 2,472,503, June 7.
Oil purifier, Lubricating. C. J. Morey. 2,472,717, June 7.
1-carbethoxy-4-methylpiperazine, its salts, and preparing same. H. W. Steward. 2,472,496, June 7.
One-piece channeled lens mounting. E. M. Splaine. 2,472,731, June 7.
Operating and controlling apparatus for dry dock side walls. F. R. Harris. 2,472,295, June 7.
Optical interference coatings, Depositing. D. B. McRae and J. H. McLeod. 2,472,605, June 7.
Organometallic compound. C. Winning. 2,472,504, June 7.
Oscillator, High-frequency concentric line. E. Fubini, H. C. Kriegel, and J. G. Stephenson. 2,472,204, June 7.
Oscillator, Magnetostrictive. A. L. Thuras. 2,472,388, June 7.
Oscillator tube. C. A. Boddie. 2,472,088, June 7.
Outboard motor mounting. P. Homan. 2,472,704, June 7.
Oven, Ventilated and shielded infrared. F. J. Groven. 2,472,293, June 7.
Oxidized nitrated cellulose, Preparing an. W. O. Kenyon and W. F. Fowler, Jr. 2,472,591, June 7.
Package, Dental X-ray film. B. E. Luboshes. 2,472,599, June 7.
Packaging. G. M. Danenbauer. 2,472,521, June 7.
Palladium complexes as photographic emulsion stabilizers. R. E. Stauffer and W. F. Smith. 2,472,631, June 7.
Panel access-opening closure. F. G. Gerber. 2,472,156, June 7.
Paper roll holder. C. A. Weller. 2,472,239, June 7.
Partition structure. N. Nelson. 2,472,766, June 7.
Peeler, Vegetable. H. R. Banks. 2,472,460, June 7.
Peg game board. G. Mysels. 2,472,719, June 7.
Pen, Fountain. A. G. Rosa. 2,472,343, June 7.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,472,573-4, June 7.
Piano key action. D. Barnett. 2,472,740, June 7.
Pick-up, Temperature compensated vibration. F. K. Slason. 2,472,127, June 7.
Piezoelectric device. R. W. Tibbetts. 2,472,179, June 7.
Pipe: *See*—
  Tobacco pipe.
Pipe. E. E. Smatt. 2,472,444, June 7.
Pipe coupling tool. A. J. Harrison. 2,472,530, June 7.
Pipe expansion joint. T. W. F. Brown. 2,472,279, June 7.
Pipe joint. C. W. Howard. 2,472,425, June 7.
Pipe-line support. H. G. Engelke. 2,472,654, June 7.
Piston. L. E. Endsley, W. W. Schettler, and J. H. Lentell. 2,472,288, June 7.
Piston ring. J. C. Meador. 2,472,540, June 7.
Plastic sheets, Producing surface decorated. R. L. Smith. 2,472,551, June 7.
Plug: *See*—
  Electrical plug.
Polymerization of alpha alkyl styrenes. A. B. Hersberger. 2,472,589, June 7.
Polyphase supply circuit. J. H. Andresen, Jr., and E. Kasner. 2,472,507, June 7.
Portable drill press holder. F. P. Stinchcomb. 2,472,270, June 7.
Post puller. C. F. Miller. 2,472,305, June 7.
Potatoes, Treating. J. F. P. Newhall. 2,472,775, June 7.
Powder, Fire extinguishing. B. C. McGlenn. 2,472,639, June 7.
Press: *See*—
  Hydraulic press.
Pressure controlled liquid outlet valve. O. L. Garretson. 2,472,070, June 7.
Preventing coke formation in preheater tubes. E. V. Mathy. 2,472,669, June 7.
Prevention and destruction of weeds. W. A. Sexton. 2,472,347, June 7.
Primer, Pump. J. M. Cox. 2,472,648, June 7.
Prism for folding a light path, Optical erecting. B. E. Luboshes. 2,472,600, June 7.
Projection device, Navigational map. R. L. Duncan. 2,472,098, June 7.
Pterins, Preparing. M. E. Hultquist and D. R. Seeger. 2,472,481, June 7.
Pterins, Preparing substituted. M. E. Hultquist and P. F. Dreisbach. 2,472,482, June 7.
Pteroic acid and amino acid amides thereof, Preparing. J. H. Boothe. 2,472,462, June 7.
Puller: *See*—
  Post puller.
Pull-out switch. N. J. Schmelig and F. S. Green. 2,472,268, June 7.
Pulp free from starch, Banana. C. Ermert. 2,472,289, June 7.
Pump: *See*—
  Double-acting reciprocating pump.
  Electromagnetic pump.
  Hydraulic pump.
  Infinite stage pump.
Pump. D. J. Whittingham. 2,472,355, June 7.
Putter. S. S. Parrish. 2,472,312, June 7.
Pyrimido-2'-cyanine dyes. L. G. S. Brooker, W. F. Holcomb, and C. K. Banks. 2,472,565, June 7.
Rack: *See*—
  Automobile clothes rack.
  Clothes rack.
Rack and pawl actuated quick-acting clamp. C. L. Gilbert. 2,472,658, June 7.
Radio beacon system. J. M. Henry. 2,472,158, June 7.
Radio-frequency testing circuit. C. E. Dennis. 2,472,096, June 7.
Radio reception. W. Lyons. 2,472,218, June 7.
Railway rail joint. G. A. Standfast. 2,472,446, June 7.
Railway switch point support. H. L. Boue. 2,472,364, June 7.
Rake. C. J. Rocquin. 2,472,342, June 7.
Rake, Side delivery. M. A. Morrill. 2,472,260, June 7.
Reamer, Expansible. H. G. Volis. 2,472,554, June 7.
Receiver, Frequency modulated-amplitude modulated. W. E. Koch. 2,472,301, June 7.
Receiver with pulse narrowing systems, Panoramic. J. I. Heller. 2,472,531, June 7.
Receptacle: *See*—
  Cable end receptacle.
  Receptacle closure lock.
Reciprocating electromagnetic motor. H. L. McHenry. 2,472,384, June 7.
Recording system, Wire. E. S. Peterson. 2,472,435, June 7.
Reflecting device for motor vehicles, Swinging and rotating. V. V. Price. 2,472,438, June 7.
Refrigeration system. P. A. Sidell. 2,472,729, June 7.
Regenerating synthesis catalyst with oxygen and return of oxidized catalyst to the synthesis reactor. S. B. Sweetser. 2,472,501, June 7.
Register, Air. C. A. Labus. 2,472,748, June 7.
Regulating system. S. B. Crary. 2,472,671, June 7.
Remote-control or indicating system, Electric. W. Jones 2,472,535, June 7.
Removable drilling bit. C. C. Koeln. 2,472,710, June 7.
Remover, Shoe stitch. A. Barbagallo. 2,472,643, June 7.
Repeater, Antisinging gain controlled. R. H. Herrick. 2,472,211, June 7.
Resistance apparatus for converting mechanical movement into electrical pulses. L. L. Helterline, Jr. 2,472,770, June 7.
Resistor, Pressure responsive electrical. H. Hurvitz. 2,472,214, June 7.

Resurfacing tool. J. E. Giles. 2,472,374, June 7.
Reversible seat. G. C. Smith. 2,472,549, June 7.
Rheostat. L. K. Davis. 2,472,369, June 7.
Rheostat for welding. P. S. Greider. 2,472,205, June 7.
Rheostat with switch. E. F. McDonald, Jr. 2,472,604, June 7.
Rim, Separable. F. W. King. 2,472,328, June 7.
Ring: *See*—
Backing or chill ring. Piston ring.
Knitting finger ring.
Roll paper dispenser. M. Lifschitz. 2,472,712, June 7.
Roller skate wheel bubcap. C. M. Bierman. 2,472,087, June 7.
Rotary drum filter. O. B. Ackerly, Jr. 2,472,558, June 7.
Rotary electrical switch. E. H. Reinschmidt, Jr. 2,472,230, June 7.
Ruler, Measuring. D. Peterson. 2,472,229, June 7.
Sack, Clothespin. F. E. Cowles. 2,472,094, June 7.
Sack holder. M. F. Ferrell, and J. K. Moore. 2,472,410, June 7.
Scaffolding. A. H. Hawes. 2,472,423, June 7.
Seaming system, Irregular interlace. L. F. Mayle. 2,472,774, June 7.
Screen for optical displacement gauges. J. H. Long. 2,472,380, June 7.
Screw driver. A. F. Alexander. 2,472,392, June 7.
Screw driver having expanding screw holding bit. E. L. Millen. 2,472,673, June 7.
Scrubbing and mopping device. T. S. and P. S. Voskikian. 2,472,781, June 7.
Seal. P. Pevney. 2,472,724, June 7.
Seal, Double. F. E. Payne. 2,472,264, June 7.
Seal for valve plugs, Bellows. G. T. Downey. 2,472,652, June 7.
Seat: *See*—
Reversible seat.
Seat, especialy for rail cars. J. W. Patton. 2,472,389, June 7.
Seat for small boats. A. A. Apel. 2,472,185, June 7.
Securing a pipe fitting to a plate, wall or the like. P. G. Caldwell, and L. W. Hope-Walton. 2,472,569, June 7.
Selector, Picture. A. B. Reed. 2,472,619, June 7.
Self-fastening cord holder. R. V. Kemplin. 2,472,300, June 7.
Self-threading device for motion-picture apparatus. J. Briskin. 2,472,143, June 7.
Separating hydrocarbons by adsorption. A. E. Hirschler. 2,472,250, June 7.
Separator: *See*—
Triple tube cyclone separator.
Servomotor mechanism. H. M. Purcell. 2,472,547, June 7.
Shaft seal with internal drive. A. J. Matter. 2,472,257, June 7.
Sharpener, Razor. T. M. Page. 2,472,311, June 7.
Sheet feeding. F. R. Schmitt. 2,472,441, June 7.
Sheet feeding and positioning mechanism for typewriters. G. Presioso. 2,472,340, June 7.
Sheet piling apparatus. E. R. Muddiman. 2,472,225, June 7.
Shield, Base. W. R. Jones. 2,472,747, June 7.
Shock absorber for airplanes, Cross-wind landing gear. J. H. Geisse. 2,472,415, June 7.
Shoe tree, Finger-grip. L. B. Harris, and V. E. Pascale. 2,472,074, June 7.
Shovel and scraper, Trench excavator. D. F. Przbylski. 2,472,758, June 7.
Shutter for cameras, Variable aperture curtain. J. Mihalyi. 2,472,607, June 7.
Shutter with automatic diaphragm, Camera. C. C. Fuerst. 2,472,580, June 7.
Shutter with built-in flash synchronizer, Blade and cover blind. D. C. Harvey. 2,472,587, June 7.
Side posture chiropractic adjusting table. A. I. Mueller. 2,472,675, June 7.
Signal construction, Musical chime. G. R. Fish. 2,472,371–3, June 7.
Signal construction, Musical chime. C. Miller. 2,472,382, June 7.
Signal device for tanks, Liquid level. B. Ladner. 2,472,665, June 7.
Signal level, Touch. F. H. Hagner. 2,472,420, June 7.
Signaling system. H. E. Goldstine. 2,472,769, June 7.
Skiver, Leather lace. L. E. Grimes. 2,472,528, June 7.
Slicer, Fruit and vegetable. J. Gangemi. 2,472,699, June 7.
Slubbing device. G. W. Byers. 2,472,283, June 7.
Smoothing iron holder. W. B. Nunnally, Sr. 2,472,676, June 7.
Snap acting electric switch. E. F. Kohl. 2,472,333, June 7.
Socket, Vacuum tube. E. Toth, and G. H. Burbage. 2,472,181, June 7.
Solutions of tyrothricin, Clear aqueous. P. W. Wilcox, and B. B. Jatul. 2,472,640, June 7.
Sorter. C. F. Mullen. 2,472,718, June 7.
Spark gap, Triggered. W. G. Mayer. 2,472,115, June 7.
Spool. J. V. Cox. 2,472,248, June 7.
Stabilization of butter. W. S. Mueller. 2,472,119, June 7.
Stabiliser. H. Ford and E. Nador. 2,472,291, June 7.
Stabilising a cellulose ether. W. D. Paist, and F. Berardinelli. 2,472,227, June 7.
Staple setting machine. T. P. Didato. 2,472,469, June 7.
Starch with nitrogen dioxide, Oxidation of. W. O. Kenyon, and C. C. Unruh. 2,472,590, June 7.
Steel wool pad holder. B. Burwes. 2,472,403, June 7.
Stop for the operating bar of door fasteners. G. E. Dath. 2,472,146, June 7.
Stop-motion mechanism for knitting machines, Wrap yarn controlled. C. W. Cox. 2,472,649, June 7.
Stop, Window. R. J. Kasik. 2,472,216, June 7.
Stove, Combined cooking and air heating. H. D. Dufault. 2,472,198, June 7.
Streptomycin composition of reduced toxicity. F. J. Wolf, and M. Tishler. 2,472,453, June 7.
Supplying lubrication as a fine mist. W. W. Nash. 2,472,170, June 7.
Support: *See*—
Chain support. Window clothesline support.
Iron support. Work lamp support.
Pipe-line support.
Railway switch point support.
Support for drills. W. Pilkington. 2,472,679, June 7.
Suporter, Hosiery. R. M. Taylor. 2,472,350, June 7.
Surface structures, Simulating. B. K. Beylerian. 2,472,060, June 7.
Suspension clamp. W. W. King. 2,472,662, June 7.
Swimming pool apparatus. E. J. Opsahl. 2,472,309, June 7.
Switch: *See*—
Electric switch. Rotary electrical switch.
High-frequency coaxial cable switch. Snap acting electric switch.
Pull-out switch. Thermal switch.
Rheostat with switch.
Switch mechanism for fire alarms. M. E. Ouellette. 2,472,266, June 7.
Swivel for drilling rigs, Rotary. R. R. Bloss, and A. R. McLerran. 2,472,001, June 7.
Synthesis of hydrocarbons. L. R. Lyons. 2,472,219, June 7.
Syringe holder. H. F. Mayues. 2,472,110, June 7.
System operated by liquid pressure. L. C. Chouings. 2,472,695, June 7.
Table: *See*—
Clinical exercise table. Vertically adjustable table.
Side posture chiropractic adjusting table.
Tape dispenser. A. B. Reed. 2,472,761, June 7.
Tape feed suppressor. M. T. Goetz. 2,472,701, June 7.
Telegraph messages, Switching of. J. W. Milner. 2,472,608, June 7.
Telephone system. Time division carrier multiplex. J. H. Homrighous. 2,472,705, June 7.
Tensiometer. J. J. Boulin. 2,472,142, June 7.
Tension device. J. A. Pons. 2,472,614, June 7.
Tensioning device for reels, Automatic. S. Schnell. 2,472,548, June 7.
Tenter clip. M. G. Hinnekens. 2,472,375, June 7.
Terminal block. C. B. Backer. 2,472,738, June 7.
Testing device, Brake. A. N. Milster. 2,472,541, June 7.
Thermal switch. G. C. Armstrong. 2,472,082, June 7.
Thermopile for measuring air temperatures. A. Raspet. 2,472,759, June 7.
Thermostatic control device. E. H. White. 2,472,638, June 7.
Thermostatic expansion valve. R. J. Dillman. 2,472,149, June 7.
Thioethers, Preparation of. L. T. Eby. 2,472,471, June 7.
Thiophanthraquinone derivatives. V. Weinmayr. 2,472,133, June 7.
Three-dimensional pictures, Producing. D. McPherson. 2,472,259, June 7.
Time delay, Thermal. R. R. Brode. 2,472,366, June 7.
Tippler or dumper, Car and wagon. G. W. Grossmith. 2,472,765, June 7.
Tire making machine. C. E. Powers. 2,472,123, June 7.
Tobacco curing apparatus. G. S. Horne. 2,472,534, June 7.
Tobacco pipe. O. M. Ingebretsen. 2,472,159, June 7.
Tool: *See*—
Barrel contracting tool. Machine tool.
Coconut husk removing tool. Pipe coupling tool.
Explosively actuated tool. Resurfacing tool.
Fluid actuated tool. Well reaming tool.
Tool. E. A. Randall, and V. B. Slifer. 2,472,124, June 7.
Tool for joists and studs, Grappling. L. E. Swanson. 2,472,500, June 7.
Tool for tubes, Cleaning. C. E. Cournoyer and R. R. Charron. 2,472,093, June 7.
Toolholder. A. Kyle, and J. A. Johnson. 2,472,255, June 7.
Tool retainer. W. D. Fish. 2,472,202, June 7.
Tool with yielding drive, Torque. J. J. Greer. 2,472,659, June 7.
Top, Sifter. A. B. Criss. 2,472,520, June 7.
Totalizing system, Electronic. N. A. Moerman. 2,472,542, June 7.
Tow bar. C. Williams. 2,472,325, June 7.
Toy bank. F. Damiano. 2,472,064, June 7.
Toy, Exploding ship. H. C. Holt. 2,472,297, June 7.
Toy musical instrument. G. Proll. 2,472,681, June 7.

Track, Roller. D. T. Brinkley. 2,472,514, June 7.
Tractor trailer electrical coupling. W. O. Folger. 2,472,069, June 7.
Training device, Visual. H. B. Marder. 2,472,114, June 7.
Transfer mechanism, Tens. E. P. Drake. 2,472,696, June 7.
Transformer, Adjustable current. R. C. Pomeroy. 2,472,546, June 7.
Transformer, Lighting. P. Berger. 2,472,140, June 7.
Transmission system, Pulse. G. D. Hulst, Jr. 2,472,706, June 7.
Transmit-receive system. B. B. Cork. 2,472,196, June 7.
Transmitter, Key operated. C. W. Swan. 2,472,733, June 7.
Transportation of small parcels, Air. R. B. Schulze. 2,472,623, June 7.
Trap for bathtubs, Sanitary. D. Weissman. 2,472,322, June 7.
Tray, Bed. J. J. Schulze. 2,472,549, June 7.
Tray, Loading. C. E. Ellsworth. 2,472,472, June 7.
Trimmer. G. and M. Prodromos. 2,472,617, June 7.
Trimming machine. H. C. Paulsen. 2,472,228, June 7.
Trimming machine, Lawn. H. L. Geater. 2,472,414, June 7.
Triple tube cyclone separator. D. H. Putney. 2,472,777, June 7.
Truck for rail vehicles, Flexible. A. S. Krots. 2,472,160, June 7.
Truck, Hand. J. McFarland. 2,472,670, June 7.
Truck tail gate lock. H. A. Smith. 2,472,234, June 7.
Tube: *See*—
Cathode-ray tube. Oscillator tube.
Tube and instrument holder. W. C. Artley. 2,472,058, June 7.
Tube for molten metal, Blowing. R. M. Gibson. 2,472,416, June 7.
Tube grid structure, Electron. J. B. Zetka. 2,472,767, June 7.
Tube having a secondary-emission electrode, Thermionic. H. Blenfait and C. F. Veenemans. 2,472,189, June 7.
Turbine casing construction. G. K. W. Boestad and H. R. Nilsson. 2,472,062, June 7.
Turbine of double rotation type, Radial-flow. R. G. J. Möller. 2,472,543, June 7.
2-arylamino-4-halogenoquinolines. F. H. S. Curd, C. G. Raison, and F. L. Rose. 2,472,066, June 7.
Two range exposure meter. A. J. McMaster. 2,472,381, June 7.
2,2-bis-(4-methylthiophenyl)-1,1,1-trichloroethane. D. A. Shirley. 2,472,269, June 7.
Ultra high frequency oscillation generator. B. D. Loughlin. 2,472,598, June 7.
Valve: *See*—
Cylinder back pressure valve. Flush valve.
Flow-actuated valve. Pressure controlled liquid outlet valve.
Fluid pressure operated valve. Thermostatic expansion valve.
Vapor recovery system for airplane fuel tanks. A. J. Savard. 2,472,622, June 7.
Variable frequency magnetron circuit. E. Everhart. 2,472,200, June 7.
Variating mechanism. S. Hinds. 2,472,478, June 7.
Varying the gap spacing of pole pieces for electron optical apparatus. J. H. Reisner. 2,472,315, June 7.
Vehicle: *See*—
Motor vehicle.
Vehicle for transporting tanks. A. G. Wills. 2,472,557, June 7.
Vent system for sanitary toilets. I. E. Ash. 2,572,457, June 7.
Vertically adjustable table. R. Newstead. 2,472,722, June 7.
Vibrator apparatus, Electrically operated. D. B. Corbyn. 2,472,367, June 7.
Vibrator, Fluid operated. R. Burt. 2,472,568, June 7.
Vibratory motor. C. S. Weyandt. 2,472,687, June 7.
Vinyl esters of polycarboxylic acids, Preparing. A. Pechukas. 2,472,434, June 7.
Vinyl sulfone-diene interpolymers. C. J. Mighton. 2,472,672, June 7.
Voltage distribution system. H. W. G. Salinger and H. W. Beach. 2,472,727, June 7.
Voltage stabiliser. G. Mak. 2,472,256, June 7.
Watchcase and bracelet, Combined. E. P. Tyler. 2,472,351, June 7.
Water-heating system, Electric. E. Liljol. 2,472,718, June 7.
Water, Treatment of. W. G. Prescott, E. I. Akeroyd, and E. L. Holmes. 2,472,616, June 7.
Wedge locked, sliding side jaw wrench. E. L. L. Österdahl. 2,472,335, June 7.
Weed eradicating machine. W. Klein and J. Jacos. 2,473,330, June 7.
Weighing system, Fluid. H. A. Adams and M. Eichelberger. 2,472,689, June 7.
Welder, Plasticity responsive. I. W. Cox and L. D. Drugmand. 2,472,306, June 7.
Welding electrode. R. E. Powell. 2,472,173, June 7.
Welding electrode holder. C. W. Taber. 2,472,177, June 7.
Welding system, Condenser. H. Klemperer. 2,472,110, June 7.
Welding system, Resistance. J. W. Dawson. 2,472,095, June 7.
Well reaming tool. W. F. Lake. 2,472,740, June 7.
Wheels to shafts, Attaching. W. W. Hamill and R. S. Crump. 2,472,421, June 7.
Wiggler. C. W. Wickens. 2,472,630, June 7.
Winder, Coil. L. S. Brennan. 2,472,089, June 7.
Window clothesline support. R. P. McNaught. 2,472,488, June 7.
Wire twisting device. L. E. Bennett. 2,472,510, June 7.
Wool from wool-acetate fabrics, Recovery of. G. C. Ward and R. U. Genazzani. 2,472,238, June 7.
Work lamp support. N. R. Schwartz. 2,472,624, June 7.
Wrench: *See*—
Wedge locked, sliding side jaw wrench.
Wrench with work-retaining loop, Spanner. F. G. Miller and L. S. Bogert. 2,472,716, June 7.

CLASSIFICATION OF PATENTS

ISSUED JUNE 7, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 3: 2,472,469
46.1: 2,472,353
2— 37: 2,472,329
42: 2,472,240
2,472,251
2,472,606
2,472,764
2,472,765
74: 2,472,184
80: 2,472,302
90: 2,472,141
132: 2,472,430
160: 2,472,751
247: 2,472,266
300: 2,472,350
4— 12: 2,472,457
44: 2,472,634
189: 2,472,585
215: 2,472,383
5— 317: 2,472,514
8— 140: 2,472,238
9— 7: 2,472,183
12— 17: 2,472,210
2,472,324
85: 2,472,228
88: 2,472,517
103: 2,472,543
128.2: 2,472,074
142: 2,472,285
13— 20: 2,472,513
35: 2,472,513
16— 4: 2,472,098
77: 2,472,155
146: 2,472,781
209: 2,472,403
16— 44: 2,472,686
65: 2,472,508
114: 2,472,479
147: 2,472,285
17— 11.1: 2,472,468
18— 47.5: 2,472,551
53: 2,472,060
55: 2,472,754
55.1: 2,472,492
20— 18: 2,472,602
22— 65: 2,472,246
139: 2,472,071
2,472,072
23— 154: 2,472,635
224: 2,472,473
288: 2,472,502
24— 3: 2,472,344
49: 2,472,190
126: 2,472,527
205.11: 2,472,743
211: 2,472,651
345: 2,472,255
257: 2,472,172
25— 128: 2,472,088
26— 29: 2,472,564
61: 2,472,375
28— 72.3: 2,472,263
76: 2,472,511
80: 2,472,513
29— 6: 2,472,251
157.3: 2,472,245
199: 2,472,296
286: 2,472,317
30— 160: 2,472,098
33— 76: 2,472,139
107: 2,472,289
164: 2,472,126
172: 2,472,431
174: 2,472,306
178: 2,472,139
185: 2,472,241
208: 2,472,420
34— 1: 2,472,193
14: 2,472,506
60: 2,472,203
95: 2,472,272
35— 26: 2,472,146
31: 2,472,439
50: 2,472,619
74: 2,472,114
36— 70: 2,472,057
37— 96: 2,472,758
37— 135: 2,472,076
38— 27: 2,472,656
107: 2,472,244
40—124.1: 2,472,186
41— 1: 2,472,273
42— 67: 2,472,326
87: 2,472,678
43— 30: 2,472,207
42.01: 2,472,505
42.05: 2,472,639
44— 87: 2,472,152
45— 6: 2,472,579
77: 2,472,508
46— 2: 2,472,064
25: 2,472,363
191: 2,472,408
47— 29: 2,472,630
61: PLPt.545
PLPt.846
49— 14: 2,472,560
29: 2,472,060
51— 103: 2,472,707
156: 2,472,311
166: 2,472,232
176: 2,472,161
52— 15: 2,472,106
55— 36: 2,472,242
77: 2,472,396
137: 2,472,360
56— 23: 2,472,762
25.4: 2,472,414
377: 2,472,200
400.17: 2,472,142
57— 38: 2,472,293
100: 2,472,228
59— 79: 2,472,314
60— 51: 2,472,390
2,472,695
52: 2,472,477
62— 3: 2,472,720
129: 2,472,343
63: 2,472,585
57: 2,472,590
64— 126: 2,472,176
146: 2,472,614
164: 2,472,649
67— 7.1: 2,472,282
2,472,775
68— 21: 2,472,682
69— 20: 2,472,528
70— 456: 2,472,337
73— 37: 2,472,221
46: 2,472,756
73— 1: 2,472,545
27: 2,472,645
128: 2,472,541
144: 2,472,142
167: 2,472,108
194: 2,472,609
200: 2,472,249
385: 2,472,735
74— 229: 2,472,513
242.14: 2,472,481
242.9: 2,472,771
353: 2,472,478
472: 2,472,341
489: 2,472,442
526: 2,472,178
601: 2,472,097
755: 2,472,559
76— 67: 2,472,757
178: 2,472,402
77— 7: 2,472,270
33: 2,472,744
64: 2,472,679
76: 2,472,554
78— 47: 2,472,124
81— 52.4: 2,472,659
90: 2,472,716
151: 2,472,336
82— 4: 2,472,374
36: 2,472,255
84— 1.14: 2,472,595
375: 2,472,681
433: 2,472,740
88— 1: 2,472,001
2,472,307
88— 1: 2,472,600
14: 2,472,348
16: 2,472,191
16.6: 2,472,259
17: 2,472,143
18.3: 2,472,290
23: 2,472,881
24: 2,472,098
32: 2,472,730
41: 2,472,731
98: 2,472,436
89— 1.7: 2,472,111
28: 2,472,136
90— 4: 2,472,644
11: 2,472,151
15: 2,472,346
17: 2,472,345
60: 2,472,083
91— 3: 2,472,454
2,472,650
17: 2,472,057
93— 3: 2,472,440
2,472,521
94— 3: 2,472,081
95— 5.5: 2,472,126
7: 2,472,626
2,472,527
2,472,631
11.5: 2,472,567
44: 2,472,732
53: 2,472,590
57: 2,472,807
63: 2,472,580
66: 2,472,358
97— 10: 2,472,330
98— 40: 2,472,746
99— 2: 2,472,663
11: 2,472,496
45: 2,472,252
70: 2,472,121
100: 2,472,289
164: 2,472,119
166: 2,472,775
236: 2,472,636
102— 55: 2,472,118
70: 2,472,365
103— 11: 2,472,529
38: 2,472,104
53: 2,472,067
115: 2,472,648
116: 2,472,412
174: 2,472,335
175: 2,472,647
104— 189: 2,472,160
106— 15: 2,472,112
47: 2,472,447
52: 2,472,445
68: 2,472,206
197: 2,472,227
2,472,073
107— 7: 2,472,073
110— 36: 2,472,745
113— 49: 2,472,515
111: 2,472,523
114— 45: 2,472,295
116— 169: 2,472,371
2,472,372
2,472,373
2,472,382
117— 73: 2,472,335
93: 2,472,605
130: 2,472,393
119— 16: 2,472,122
31: 2,472,357
95: 2,472,186
120— 44: 2,472,543
121— 31: 2,472,352
41: 2,472,206
2,472,347
136: 2,472,394
123— 119: 2,472,734
146.5: 2,472,327
171: 2,472,418
191: 2,472,117
125— 24: 2,472,401
126— 5: 2,472,198
25: 2,472,164
343.6: 2,472,894
128— 57: 2,472,385
216: 2,472,116
129— 16: 2,472,567
131— 202: 2,472,444
218: 2,472,159
132— 9: 2,472,700
74.5: 2,472,667
136— 4: 2,472,759
90: 2,472,876
154: 2,472,879
137— 68: 2,472,070
93: 2,472,578
139: 2,472,523
2,472,544
144: 2,472,694
152: 2,472,090
138— 49: 2,472,483
2,472,484
2,472,485
139— 92: 2,472,772
140— 82: 2,472,711
149: 2,472,510
142— 132: 2,472,570
157: 2,472,509
144— 305: 2,472,658
145— 50: 2,472,073
52: 2,472,103
146— 7: 2,472,354
49: 2,472,480
147: 2,472,640
147— 4: 2,472,080
148— 6.16: 2,472,009
6.20: 2,472,502
16.5: 2,472,320
150— 1.5: 2,472,094
151— 32: 2,472,394
152— 211: 2,472,331
241: 2,472,768
472: 2,472,326
153— 32: 2,472,163
73: 2,472,561
154— 10: 2,472,123
45.9: 2,472,100
155— 95: 2,472,849
171: 2,472,339
156— 29: 2,472,398
36.3: 2,472,109
117.1: 2,472,384
117.5: 2,472,720
157— 47: 2,472,562
160— 183: 2,472,429
161— 1: 2,472,287
164— 84.5: 2,472,761
167— 30: 2,472,755
45: 2,472,347
53.1: 2,472,422
55: 2,472,476
65: 2,472,433
2,472,640
74: 2,472,130
109— 31: 2,472,506
170— 159: 2,472,357
160.13: 2,472,728
160.22: 2,472,693
171— 119: 2,472,546
209: 2,472,127
2,472,134
2,472,313
327: 2,472,179
2,472,303
2,472,661
2,472,715
2,472,753
172— 126: 2,472,234
2,472,627
173— 326: 2,472,068
2,472,113
2,472,131
2,472,738
361: 2,472,600
2,472,747
174— 35: 2,472,706
175— 183: 2,472,096
2,472,119
294: 2,472,643
338: 2,472,553
355: 2,472,506
356: 2,472,130
176— 133: 2,472,171
177— 311: 2,472,636
2,472,665
353: 2,472,536
380: 2,472,733
386: 2,472,588
178— 3: 2,472,608
7.5: 2,472,577
7.7: 2,472,774
17: 2,472,701
44: 2,472,211
2,472,286
2,472,274
179— 8: 2,472,435
15: 2,472,705
18: 2,472,426
100.41: 2,472,770
110: 2,472,714
180— 83: 2,472,450
181— .5: 2,472,107
182— 20: 2,472,322
183— 83: 2,472,777
109: 2,472,101
184— 55: 2,472,170
188— 56: 2,472,189
72: 2,472,697
205: 2,472,443
249: 2,472,467
189— 15: 2,472,350
192— .02: 2,472,162
.092: 2,472,564
18: 2,472,452
48: 2,472,730
193— 11: 2,472,308
31: 2,472,503
195— 75: 2,472,419
196—14.26: 2,472,499
14.49: 2,472,578
26: 2,472,253
35: 2,472,463
38: 2,472,217
52: 2,472,537
2,472,728
71: 2,472,669
147: 2,472,459
197— 128: 2,472,340
198— 40: 2,472,526
200— 76: 2,472,338
82: 2,472,332
98: 2,472,275
104: 2,472,709
106: 2,472,588
108: 2,472,657
113: 2,472,625
114: 2,472,295
122: 2,472,052
2,472,293
142: 2,472,295
158: 2,472,290
201— 48: 2,472,214
2,472,604
61: 2,472,205
63: 2,472,533
67: 2,472,145
202— 57: 2,472,610
204— 17: 2,472,304
205— 3: 2,472,231
206— 8: 2,472,079
45.13: 2,472,449
45.31: 2,472,183
79: 2,472,532
209— 90: 2,472,718
199: 2,472,475
210— 11: 2,472,309
23: 2,472,616
150.5: 2,472,717
202: 2,472,558
202.5: 2,472,324
211— 86: 2,472,480
114: 2,472,058
110.08: 2,472,466
212— 99: 2,472,726
214— 52: 2,472,703
65.4: 2,472,670
75: 2,472,557
121: 2,472,194
140: 2,472,278
214— 141: 2,472,223
215— 22: 2,472,182
43: 2,472,436
217— 57: 2,472,496
219— 3: 2,472,778
4: 2,472,005
2,472,110
2,472,173
2,472,368
8: 2,472,177
19: 2,472,144
33: 2,472,445
38: 2,472,224
39: 2,472,713
41: 2,472,178
43: 2,472,451
47: 2,472,370
2,472,472
2,472,708
220— 4: 2,472,620
40: 2,472,737
41: 2,472,962
56: 2,472,404
58: 2,472,321
222— 67: 2,472,389
163: 2,472,092
248: 2,472,586
223— 89: 2,472,263
224— 4: 2,472,351
20: 2,472,132
82: 2,472,664
220— 30: 2,472,516
36: 2,472,674
38: 2,472,646
232— 17: 2,472,192
235— 61: 2,472,464
2,472,542
82: 2,472,619
92: 2,472,258
138: 2,472,696
236— 92: 2,472,146
238— 230: 2,472,446
240— 11.4: 2,472,180
51.12: 2,472,567
128: 2,472,632
241— 157: 2,472,725
243: 2,472,188
245: 2,472,760
242— 4: 2,472,069
46.4: 2,472,240
53.2: 2,472,239
75: 2,472,548
90: 2,472,300
124: 2,472,245
126: 2,472,603
140: 2,472,703
244— 13: 2,472,765
82: 2,472,653
83: 2,472,724
100: 2,472,641
103: 2,472,415
118: 2,472,623
129: 2,472,156
135: 2,472,622
148: 2,472,601
153: 2,472,075
2,472,127
154: 2,472,290
246— 227: 2,472,053
435: 2,472,364
248— 4: 2,472,704
14: 2,472,732
35: 2,472,605
42: 2,472,050
49: 2,472,654
97: 2,472,410
117.1: 2,472,676
140: 2,472,251
267: 2,472,220
317: 2,472,662
346: 2,472,694
250— 2: 2,472,129
6: 2,472,585
13: 2,472,196
17: 2,472,709
20: 2,472,218
2,472,801

250— 20: 2,472,378
2,472,531
27.5: 2,472,077
2,472,760
2,472,767
35: 2,472,106
33.63: 2,472,201
2,472,213
36: 2,472,088
2,472,204
2,472,598
2,472,721
38: 2,472,115
49.5: 2,472,313
66: 2,472,316
69: 2,472,599
71: 2,472,522
83.6: 2,472,153
2,472,365
145: 2,472,745
157: 2,472,766
174: 2,472,189
220: 2,472,380
251— 51: 2,472,677
113: 2,472,652
252— 7: 2,472,539
8.55: 2,472,400
37.5: 2,472,503
42.7: 2,472,517
2,472,518
2,472,552
45: 2,472,318
49.9: 2,472,208
84: 2,472,684

252— 340: 2,472,574
341: 2,472,573
410: 2,472,776
432: 2,472,490
450: 2,472,489
253— 16.5: 2,472,543
69: 2,472,062
254— 30: 2,472,305
86: 2,472,294
139.1: 2,472,197
255— 61: 2,472,710
63: 2,472,120
73: 2,472,749
257— 2: 2,472,409
6: 2,472,362
26: 2,472,615
245: 2,472,413
259— 1: 2,472,568
260— 4: 2,472,680
19: 2,472,247
28.5: 2,472,495
33.2: 2,472,125
37: 2,472,629
41: 2,472,661
71: 2,472,361
79.3: 2,472,672
83.7: 2,472,232
93.5: 2,472,589
97: 2,472,437
112: 2,472,267
162: 2,472,109
177: 2,472,215
209: 2,472,590
220: 2,472,591

260— 236: 2,472,411
240: 2,472,292
2,472,585
247: 2,472,633
251: 2,472,462
2,472,481
2,472,482
268: 2,472,496
286: 2,472,583
288: 2,472,666
289: 2,472,575
309: 2,472,458
310: 2,472,581
315: 2,472,085
322: 2,472,356
329: 2,472,133
2,472,433
333: 2,472,278
2,472,277
338: 2,472,147
2,472,666
410.9: 2,472,086
438: 2,472,424
449.6: 2,472,219
2,472,377
2,472,427
2,472,501
465: 2,472,135
473: 2,472,628
485: 2,472,434
528: 2,472,168
596: 2,472,493
609: 2,472,209
2,472,470

260— 609: 2,472,471
2,472,504
614: 2,472,064
617: 2,472,310
635: 2,472,417
639: 2,472,618
644: 2,472,550
666: 2,472,250
668: 2,472,254
681.5: 2,472,467
683.15: 2,472,494
261— 34: 2,472,692
263— 40: 2,472,534
42: 2,472,497
48: 2,472,456
264— 6: 2,472,181
265— 47: 2,472,689
266— 34: 2,472,416
2,472,465
43: 2,472,655
267— 66: 2,472,291
271— 30: 2,472,441
71: 2,472,225
272— 31: 2,472,556
81: 2,472,391
273— 35: 2,472,065
36: 2,472,187
53: 2,472,208
63: 2,472,406
77: 2,472,312
100: 2,472,719
102.1: 2,472,297
279— 8: 2,472,399
19.1: 2,472,202

279— 82: 2,472,392
280—33.14: 2,472,325
33.17: 2,472,432
36: 2,472,407
37: 2,472,491
51: 2,472,203
143: 2,472,234
285— 1: 2,472,530
10: 2,472,425
22: 2,472,466
25: 2,472,560
86: 2,472,455
90: 2,472,061
129: 2,472,279
286— 11: 2,472,257
2,472,264
287— 12: 2,472,549
53: 2,472,184
2,472,421
289— 7: 2,472,571
292— 18: 2,472,498
70: 2,472,397
120: 2,472,474
169: 2,472,730
173: 2,472,395
218: 2,472,148
340: 2,472,174
343: 2,472,216
294—87.24: 2,472,287
92: 2,472,500
299— 34: 2,472,199
301— 108: 2,472,087
128: 2,472,742
304— 2: 2,472,423

306— 45: 2,472,572
309— 16: 2,472,268
44: 2,472,540
311— 7: 2,472,675
39: 2,472,722
312—31.1: 2,472,683
39: 2,472,712
315— 13: 2,472,779
24: 2,472,727
30: 2,472,209
31: 2,472,165
79: 2,472,078
84: 2,472,157
97: 2,472,140
111: 2,472,323
201: 2,472,671
360: 2,472,741
318— 30: 2,472,167
33: 2,472,271
122: 2,472,621
132: 2,472,367
257: 2,472,611
263: 2,472,736
289: 2,472,566
305: 2,472,646
325: 2,472,369
321— 7: 2,472,507
322— 28: 2,472,538
332— 5: 2,472,200
24: 2,472,769
66: 2,472,195
343— 5: 2,472,212
112: 2,472,158
118: 2,472,515

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,472,068:	211—114
2,472,086:	260—410.9
2,472,092:	222—163
2,472,097:	74—691
2,472,102:	158—36.3
2,472,120:	255—63
2,472,123:	154—10
2,472,130:	167—74
2,472,134:	171—209
2,472,157:	315—84
2,472,160:	105—189
2,472,172:	24—257
2,472,184:	287—53
2,472,191:	88—16
2,472,193:	34—1
2,472,195:	332—66
2,472,197:	264—139.1
2,472,209:	315—30

2,472,216:	292—343
2,472,220:	248—257
2,472,232:	200—83.7
2,472,237:	294—87.24
2,472,248:	242—124
2,472,251:	248—140
2,472,256:	178—44
2,472,279:	285—129
2,472,292:	260—240
2,472,296:	20—199
2,472,299:	88—18.3
2,472,304:	204—17
2,472,305:	254—30
2,472,308:	193—11
2,472,316:	250—66
2,472,323:	315—111
2,472,324:	210—202.5
2,472,335:	117—73

2,472,348:	88—14
2,472,352:	121—31
2,472,359:	189—15
2,472,361:	260—71
2,472,369:	318—325
2,472,371:	116—169
2,472,372:	116—169
2,472,373:	116—169
2,472,380:	250—230
2,472,382:	116—169
2,472,392:	279—62
2,472,454:	91—3
2,472,457:	4—12
2,472,472:	219—47
2,472,491:	280—37
2,472,495:	260—28.5
2,472,500:	294—92
2,472,503:	252—37.5

2,472,507:	321—7
2,472,508:	16—65
2,472,526:	198—40
2,472,527:	24—126
2,472,546:	171—119
2,472,556:	272—31
2,472,559:	74—785
2,472,566:	318—289
2,472,575:	260—289
2,472,578:	196—14.49
2,472,583:	260—286
2,472,593:	45—77
2,472,603:	242—129
2,472,605:	117—93
2,472,612:	13—35
2,472,620:	220—4
2,472,622:	244—135
2,472,629:	260—37

2,472,635:	21—154
2,472,639:	43—42.03
2,472,649:	66—164
2,472,651:	24—211
2,472,654:	248—49
2,472,661:	260—41
2,472,662:	248—317
2,472,664:	226—82
2,472,669:	196—71
2,472,671:	315—201
2,472,672:	260—79.3
2,472,680:	260—4
2,472,684:	252—84
2,472,693:	170—160.22
2,472,698:	239—38
2,472,701:	178—17
2,472,712:	312—39
2,472,717:	210—150.5

2,472,719:	273—100
2,472,721:	250—36
2,472,723:	196—52
2,472,725:	241—157
2,472,726:	212—69
2,472,728:	170—160.13
2,472,729:	62—3
2,472,730:	318—213
2,472,740:	84—433
2,472,741:	315—360
2,472,745:	250—145
2,472,752:	248—14
2,472,756:	37—86
2,472,766:	250—157
2,472,769:	332—24
2,472,780:	241—248
2,472,781:	15—146

CLASSIFICATION OF DESIGNS

D 4— 3: Des. 154,049
D 9— 2: Des. 154,027
D14— 3: Des. 154,082
Des. 154,088
Des. 154,090
D15— 1: Des. 154,087
8: Des. 154,021
Des. 154,036
11: Des. 154,023
Des. 154,031
D17— 7: Des. 154,048
D20— 4: Des. 154,013
D26—13: Des. 154,026

D26—14: Des. 154,069
D31— 4: Des. 154,033
Des. 154,065
Des. 154,068
D33— 7: Des. 154,040
19: Des. 154,060
D34— 2: Des. 154,055
4: Des. 154,088
15: Des. 154,080
Des. 154,070
D35— 2: Des. 154,057
D38—11: Des. 154,085
D44—29: Des. 154,022

D45— 4: Des. 154,014
Des. 154,015
Des. 154,073
Des. 154,074
Des. 154,075
10: Des. 154,016
Des. 154,017
Des. 154,018
Des. 154,019
Des. 154,039
Des. 154,081
Des. 154,082
Des. 154,072

D45—16: Des. 154,020
Des. 154,030
Des. 154,043
Des. 154,044
Des. 154,045
Des. 154,046
Des. 154,063
Des. 154,064
Des. 154,076
Des. 154,077
Des. 154,078
D48— 4: Des. 154,053
20: Des. 154,066

D48—23: Des. 154,058
27: Des. 154,079
32: Des. 154,083
Des. 154,084
D49— 1: Des. 154,061
D52— 2: Des. 154,041
4: Des. 154,089
D54—12: Des. 154,024
Des. 154,037
D55— 1: Des. 154,047
D58—26: Des. 154,042
D59— 2: Des. 154,051
Des. 154,052

D74— 1: Des. 154,035
Des. 154,059
24: Des. 154,034
D80— 5: Des. 154,028
Des. 154,029
Des. 154,092
9: Des. 154,025
D81—10: Des. 154,067
D85— 2: Des. 154,056
8: Des. 154,086
D86—10: Des. 154,054
D89— 1: Des. 154,071

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Contents

	Page
Issue of June 14, 1949	314
Patents Expiring	314
Applications Under Examination	315
Decisions of the U. S. Courts	
Carlton v. Robie et al.	317
In re Robinson	319
Patent Suits	321
Notices	
Adverse Decisions in Interferences	322
Classification Bulletin No. 166	322
Cross-References in Cases Relating to Same Subject	322
Important Information	322
Register of Patents Available for Licensing or Sale	323
Trade-Marks	
Published (259 Applications)	327
Registrations Granted	359
Registrations Renewed	374
Registrations Amended, Surrendered, Disclaimed, Corrected, etc.	378
Registrations—New Certificates	378
Registrations Republished (324 Registrations)	378
Reissues	421
Plant Patents	422
Patents Granted	423
Designs	609

June 14, 1949

Trade-Marks	32—No.	442,873 to No.	442,904, inclusive
T. M. (Act of 1946)	293—No.	510,820 to No.	511,112, inclusive
T. M. Renewals	91		
Reissues	4—No.	23,120 to No.	23,123, inclusive
Plant Patents	1—No.	847	
Patents	715—No.	2,472,782 to No.	2,473,496, inclusive
Designs	104—No.	154,090 to No.	154,193, inclusive
Total	1,240		

Patents expiring: Patent Numbers 1,862,518 to 1,863,553, inclusive, issued June 14, 1932, expire June 14, 1949

Condition of Applications Under Examination at Close of Business May 20, 1949

Total number of patent applications awaiting action, 147,132. Date of oldest new application, June 25, 1947; date of oldest amended application, November 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	4-5-48	7-26-47	2674
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	2-16-48	5-6-47	2718
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	10-23-48	10-11-48	945
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Mining, Quarrying, and Ice Harvesting.	11-26-47	7-10-47	3220
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	3-15-48	9-30-47	1422
6. SUELE, H., Carbon Chemistry (part)	5-28-48	6-10-48	1907
7. HANLIN, GEORGE, Optics; Photographic Apparatus	5-20-48	6-3-48	1470
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	8-1-47	5-28-47	4078
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	3-6-48	7-19-47	2063
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	8-7-48	6-17-48	1584
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	6-1-48	10-4-47	1966
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	7-22-48	8-14-47	1897
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	8-6-47	9-9-47	2078
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	8-14-48	6-12-48	1251
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	8-31-48	1-2-48	1784
16. LOVEWELL, N. N., Television; Telephony	9-1-48	2-4-48	1532
17. LEIGHEY, R. A., (acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	11-26-47	1-4-47	2297
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices, Rotary Internal Combustion Engines.	4-19-48	9-29-47	2429
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	8-28-48	1-2-48	1648
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	4-1-48	6-26-47	1978
21. MADER, R. C., Textiles	4-10-48	2-26-48	1326
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	2-26-48	9-5-47	1470
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-23-48	7-15-47	1120
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	5-6-48	5-3-48	2340
25. BLAKELY, O. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	8-20-48	12-9-47	1631
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	8-21-48	1-30-48	1068
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	12-18-47	9-25-47	3285
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horse-power Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	10-27-47	7-14-47	1777
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	9-18-47	9-4-47	3203
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating Systems; Heat Exchange (part); Illuminating Burners.	11-1-48	11-2-48	627
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)— e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	9-28-48	9-27-48	1930
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	12-13-47	9-15-47	1849
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	9-9-47	8-26-47	3720
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	5-17-48	2-12-48	1261
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	2-25-48	3-5-47	3588
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	8-4-47	6-5-47	1902
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	5-26-48	2-2-48	1323
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	6-10-48	4-17-48	1671
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	7-29-48	5-2-47	3045
40. DRUMMOND, E. J., Receptacles (part); Packages	8-2-48	9-11-47	3210
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	6-7-48	3-19-47	2800
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	10-16-48	10-9-48	943
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	9-9-48	6-28-48	1133
44. HARVEY, L. P., Refrigeration	2-9-48	6-30-47	948
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	5-26-48	9-15-47	2477
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	3-16-48	5-9-47	1926

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 147,132. Date of oldest new application, June 25, 1947; date of oldest amended application, November 16, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	8-25-48	3-10-48	1978
48. BEBNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	9-30-48	11-12-47	1485
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	1-2-48	9-4-47	2342
50. LEVIN, SAMUEL, Synthetic Resins	10-15-48	6-15-48	1844
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	8-26-48	7-1-48	1437
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	5-19-48	8-1-47	3642
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	4-15-48	7-31-47	2158
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	8-31-48	9-25-47	1380
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	8-21-48	3-13-48	1699
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	6-18-48	5-25-48	1967
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	3-5-48	5-3-47	3399
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	6-25-47	10-20-47	1722
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	5-24-48	9-24-48	1480
60. BAXTER, H. M., (Acting), Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	8-16-48	5-7-48	1101
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	6-27-47	1-8-47	3666
62. LOWE, D. B., (Acting), Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	8-14-48	4-14-48	1497
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	5-6-48	12-17-47	2140
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	10-25-48	10-25-48	1798
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	8-26-48	3-5-48	2287
66. LISANN, L., Geometrical Instruments	7-16-48	11-16-46	1940
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	8-20-48	12-2-47	1863
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	9-24-48	7-1-48	1438
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	4-19-48	8-7 47	2182
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	8-26-48	2-11-48	979
DEMONS: BREHM, G. L.	8-11-47	12-6-48	6885

Total number of trade-mark applications awaiting action (including renewals and republications), 30,237. Date of oldest new application, Mar. 1, 1948; date of oldest amended application, May 26, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	4-16-48	10-1-48	4106
2. KASCHUB, H. E., Classes 2, 36, 46	3-1-48	8-2-48	5107
3. SUMMERS, G. S., Classes 21, 23, 26	3-16-48	11-15-48	4284
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	3-6-48	8-28-48	4204
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	4-5-48	8-17-48	3737
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	4-27-48	7-24-48	3700
7. KEYS, C. M., Classes 16, 19, 55	4 10-48	5-26-48	2060
8. GEDIMAN, H. W. [Renewals / Republications] All Classes	3-20-49 10-16-48	4-16-49 3-18-49	214 2825

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

CARLTON *v.* ROBIE ET AL.

No. 5491. Decided February 1, 1949

[173 F.2d 362; 81 USPQ 202]

1. INTERFERENCE—PRIORITY—BURDEN OF PROOF.

Appellant being the junior party had the burden of establishing priority of invention by a preponderance of the evidence.

2. SAME—REDUCTION TO PRACTICE—PRIOR APPLICATION.

Held that appellees are entitled to the benefit of the earlier applications, which they filed together with two others as a four-party application, and that they can rely on the dates thereof to establish constructive reduction to practice.

3. SAME—RECORD ON APPEAL—TESTIMONY TAKEN IN ANOTHER INTERFERENCE.

Where during the taking of testimony counsel for appellant offered in evidence a copy of the printed record of his testimony in Interference No. 80,225, *Held* that such testimony cannot properly be considered as part of the record herein.

4. APPEAL TO COURT — REASONS OF APPEAL — ABANDONMENT.

While in his reasons of appeal counsel for appellant may be considered to have included error in the decision of the Board, on the evidence, we find nothing in his brief in which that alleged error has been discussed; *Held* that we assume that reason of appeal has been abandoned.

5. INTERFERENCE—PRIORITY—FLEXIBLE HEAT-RESISTANT ABRASIVE ARTICLE.

Held that the decision of the Board of Interference Examiners awarding priority of invention of the subject matter of three counts relating to a flexible heat-resistant abrasive article, to appellees, is affirmed.

APPEAL from the Patent Office. Interference No. 81,422.

AFFIRMED.

Harold J. Kinney (*Carpenter, Abbott, Coulter & Kinney* and *Richard K. Stevens* of counsel) for Carlton.

William H. Webb, Donald A. Gardiner, Stebbins, Blenko & Webb, and *Webb, Mackey & Burden* for Robie et al.

JACKSON, *J.*:

This is an appeal in an interference proceeding from a decision of the Board of Interference Examiners awarding priority of invention of the subject matter of three counts to appellees.

The interference is a companion to a three party interference, No. 80,225, the issues of which have been decided by us concurrently herewith in appeal Nos. 5485 and 5486.

The counts read as follows:

1. A flexible heat-resistant abrasive article of the coated abrasive type comprising a flexible backing, a layer of abrasive grits, and a bond for uniting said grits to said backing, said bond comprising a primary bonding or grit binder coating comprising glue, and a secondary or sandsize coat comprising a silicate cement, the silicate cement coating being shielded from air by a protective coating of a waterproofing agent.

2. A heat-resistant abrasive article of the coated abrasive type comprising a backing, a layer of abrasive grits, and a bond for uniting said grits to said backing, said bond comprising a primary bonding or grit binder coating including a hydrophilic organic gelatinous adhesive material and a secondary or sandsize coating comprising a silicate cement, said sandsize coat being rendered resistant to air by inclusion therein of a waterproofing agent.

3. A heat-resistant abrasive article of the coated abrasive type comprising a backing, a layer of abrasive grits, and a bond for uniting said grits to said backing, said bond comprising a primary bonding or grit binder coating including a hydrophilic organic gelatinous adhesive material and a secondary or sandsize coating comprising a silicate cement, said sandsize coat being treated with an agent to shield the same from air.

The involved invention is for a flexible heat-resistant coated abrasive article including a flexible backing to the surface of which abrasive grits are secured by a layer of adhesive. The adhesive consists of two coats: the first of which comprises glue and may be called a primary holding coating between the backing of the article and the grits, and a second or sandsize coating is applied over the layer of grits and comprises a silicate cement which is shielded from the air by a protective coating of a waterproofing agent.

The interference involves an application of appellant, Serial No. 433,027, filed March 2, 1942, as a continuation-in-part of his application, Serial No. 261,069, filed March 10, 1939, and an application of appellees, Serial No. 457,174, filed September 8, 1942. Appellees together with two other applicants filed earlier applications and relied on the dates thereof to establish constructive reduction to practice. The first of those applications is Serial No. 137,796, filed April 19, 1937, and the second is Serial No. 336,212, filed May 30, 1940, while the former application was still pending. The application of May 30, 1940, was pending when appellees' involved application was filed September 3, 1942.

The same applications of the parties are involved in said appeal Nos. 5485 and 5486.

The present interference, as originally declared, consisted of counts 1 and 2. During the interlocutory period, appellant moved to dissolve the interference, which motion was dismissed. He also moved to shift the burden of proof. Appellees filed a motion to amend the interference by adding other counts. The Primary Examiner denied the motion

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to shift the burden of proof and granted the motion to amend with respect to one proposed count, which is count 3 of this interference.

The counts before us define an abrasive article similar to that which is the subject matter of the said two companion appeals, but in addition provide for making a silicate cement coating resistant to air by treatment with a waterproofing agent. That agent may be incorporated in the silicate coating or applied over that coating as a protective film.

When the interference was first declared, appellees were given the benefit of the application, No. 396,212, filed May 20, 1940. In appellant's motion to shift he contended that he was entitled to the benefit of his application, Serial No. 261,069, filed March 10, 1939. In that motion, anticipating that appellees would claim the date of April 19, 1937, of the application, Serial No. 137,796, appellant contended they were not entitled to that date. The Primary Examiner held appellees were entitled to the date of the earliest application, No. 136,796, and confirmed such holding in a second decision. While the Examiner at first held that he found no support for count 1 in the earlier application of appellant, on reconsideration he held that it read upon that application as well as did the other counts. After the said motions had been disposed of, the interference was redeclared, adding count 3 as aforesaid.

Each party filed two preliminary statements. In his first statement, appellant alleged with respect to counts 1 and 2 that a first written description of the subject matter of count 1 had been made as early as about November 25, 1936, and of count 2 as early as November 20, 1936; first disclosure of the invention to others as early as the fall of 1936, but prior to November 26 of that year; reduction to practice of the invention defined by count 1 as early as November 27, 1936, and by count 2 as early as November 20, 1936, and that appellant exercised reasonable diligence in adapting and perfecting his invention at least as early as the fall of 1936 and prior to November 26 of that year. In his second preliminary statement, appellant alleged first written description of the subject matter defined in count 3, disclosure of it to others, reduction of the invention to practice, and the exercise of reasonable diligence at least as early as the fall of 1936 and prior to November 20 of that year. Appellees in their preliminary statements allege a first written description of the invention, disclosure of it to others, and the making of the first drawings as of on or about November 6, 1936. Reduction to practice of all the counts is alleged as of the date of April 19, 1937, their filing date. In addition they allege the exercise of reasonable diligence in adapting and perfecting the subject matter of all of the counts as of November 1936.

[1] Appellant took testimony. Appellees not having taken testimony were confined to the date of April 19, 1937, for constructive reduction to practice. Appellant being the junior party had the burden of establishing priority of invention by a preponderance of the evidence.

The Board of Interference Examiners held that the evidence offered on behalf of appellant was not sufficient to overcome the 1937 filing date of appellees in that he failed to establish an actual reduction to practice prior to his filing date or diligence "during the period it was incumbent upon him to do so."

[2] Appellant challenges the award of priority to appellees in this appeal and also in appeal Nos. 5485 and 5486 on the same grounds. All through those proceedings he has contended that the subject matter of those interferences were not disclosed in the application filed April 19, 1937, and also that appellees are not entitled to the benefit of that filing date even though that earliest application contains a full disclosure of the subject matter of the counts.

It is argued in the brief for appellant that that application does not disclose the subject matter of the counts involved in appeal Nos. 5485 and 5486, and therefore can not support the similar but more specific counts here involved.

In this interference as well as that involved in appeal Nos. 5485 and 5486, it was held by the Board that the earliest application relied upon by appellees supports the counts of both interferences. Since in our decision in appeal Nos. 5485 and 5486 we have held that the earliest application relied upon by appellees discloses the subject matter involved in the counts of those appeals, it is only necessary to discuss the said disclosure with reference to the specific differences between the counts there and the counts herein.

In the application of April 19, 1937, it is stated that flexible abrasive articles such as discs can be strengthened or reinforced "by applying to them a coating of a soluble silicate." It is pointed out in that application that such coating may be applied to articles "bonded with glue, varnish, resin or the like, or to the improved silicate bonded articles of our invention. The reinforcing coating may be applied by any suitable means and may extend over the whole area of the articles if desired, * * *." It is further disclosed in that application that "These silicate solutions may be used in applying both the making coat and the sizing coat or either of these * * *." It is our opinion that such quotations disclose the use of a silicate cement in the sizing coat over the abrasive article which has a primary bonding coat comprising glue. While the disclosure of the April 19, 1937, application applies clearly to sandpaper, as does the application of appellant, it is clear that the disclosure embraces other abrasive articles. The counts in the present interference are not limited to sandpaper, but may apply to many other forms of abrasive articles. The limitation of the counts defining waterproofing of the adhesive is likewise found in the 1937 disclosure wherein it is stated as follows:

> It is frequently desired to provide an abrasive article which, in addition to resistance to the influence of atmospheric humidity, will also have a resistance to water. We have discovered that a high degree of water resistance can be imparted to our improved silicate bonded flexible abrasive articles by coating the article with a thin film of a protective substance which is preferably waterproof.

That quotation clearly discloses a protective coating of a waterproofing agent over the sandsize coating which comprises silicate cement. The application further specifically discloses a number of different materials usable as waterproofing agents in the coating.

By reason of what has hereinbefore been set out, we agree with the decision of the Board that the disclosure of April 19, 1937, fully supports all of the limitations of the counts herein.

We are further of opinion that appellees are entitled to the benefit of April 19, 1937, for the same reasons that are given on that issue in said appeal Nos. 5485 and 5486.

[3] During the taking of testimony, counsel for appellant offered in evidence a copy of the printed record of his testimony in said interference No. 80,225. Under the authority of the case of *Noxon* v. *Potts*, 25 CCPA (Patents) 859, 94 F.2d 888, 36 USPQ 329, the Board correctly held that such testimony taken in that interference can not properly be considered as part of the record herein. The Board quoted the language from the case of *Olson v. Poapeshil*, 50 App. D. C. 183, 269 F. 698, which we approved in the Noxon case as follows:

> Rule 157 provides the only manner in which a record in another case may be used, namely, by filing a motion in the proper tribunal, with proof of service, as required by Rule 153. It then provides that, when the motion has been allowed and a former record, or portions thereof, are introduced, the contesting party may call witnesses to rebut it.

[4] Counsel for appellant in their brief state that appellant will not attempt to carry the date of his invention back of his filing date of March 10, 1939, except that should the decision of the Board be affirmed by this court, and only in that event appellant will contend that he has proved the exercise of diligence "beginning just prior to April 19, 1937, and ending March 10, 1939." While in his reasons of appeal, counsel for appellant may be considered to have included error in the decision of the Board on the evidence, we find nothing in his brief in which that alleged error has been discussed, and therefore we assume that reason of appeal has been abandoned. *In re Krasnow et al.*, 35 CCPA (Patents) 939, 166 F.2d 196, 76 USPQ 567; *In re McCabe*, 24 CCPA (Patents) 1224, 90 F.2d 111, 33 USPQ 539.

[5] For the reasons hereinbefore set out, the decision of the Board of Interference Examiners is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE ROBINSON

No. 5583. Decided March 1, 1949

[173 F.2d 356; 81 USPQ 205]

1. PATENTABILITY—ANTICIPATION—FOREIGN PUBLICATION. Where claims are rejected on a foreign publication using terms with a plurality of recognized meanings, *Held* that such terms must be translated in view of the context in which they are used.

2. SAME—PARTICULAR SUBJECT MATTER—PROJECTILE. Certain claims for a projectile *Held* properly rejected for lack of invention over the combination of references cited.

APPEAL from the Patent Office. Serial No. 418,497.

AFFIRMED.

Irving F. Goodfriend for Robinson.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

JACKSON, J.:

After having been allowed 17 claims, appellant appealed from a decision of the Board of Appeals of the United States Patent Office affirming final rejection by the Primary Examiner of claims 84, 87 and 88 of an application for a patent defining new and useful improvements in "Projectile Methods and Means" for lack of invention over the following prior art: Wilkins, 1,307,607, June 24, 1919, LeBrun (French), 797,983, February 24, 1936.

The rejected claims read as follows:

> 84. In a device of the type described, an elongated body adapted to be directed along a course, normally inoperative discharge means in said body having an outlet arranged to exert a force component to impel said body forwardly upon discharge, normally inoperative energy responsive means and re-directing means on said body for re-directing the body at an angle to said course, and means controlled by said energy responsive means for operating said re-directing means and said discharge means.
>
> 87. In an elongated projectile having a body, adapted to be directed along a course, operative discharge means in said body having an outlet arranged to exert a force component to impel said body forwardly upon discharge, energy responsive means and re-directing means on said body for redirecting the body at an angle to said course, and means co-operating with said energy responsive means for operating said re-directing means during forward movement of said body, whereby the exerted impelling force would continue to operate on its new course.
>
> 88. In an elongated projectile having a body, adapted to be directed along a course, operative discharge means in said body having an outlet arranged to exert a force component to impel said body forwardly upon discharge, pick-up means responsive to radiation on said body, re-directing means responsive to the pick-up means on said body for re-directing the body at an angle to said course, and means cooperating with said pick-up means for operating said re-directing means during forward movement of said body whereby the exerted impelling force would continue to operate on its new course.

The invention relates to projectiles, particularly to anti-aircraft shells comprising means for self-direction in its flight to the target. In the nose of the projectile a number of radiant energy responsive means are mounted, each of which is responsive to rays or beams received from a particular direction. When one of those responsive means is affected by the target, a means for directing the shell or projectile toward the target is accomplished. The projectile comprises an explosive jet which impels it toward the target, or the directing means may be a vane projecting from the shell and influenced by the air to divert the shell from a straight flight to a desired direction. At about the time when the direction of the shell is changed, a jet is discharged from its rear which accelerates the movement in the changed direction.

The Wilkins' patent relates to projectiles and particularly to an explosive projectile or shell. It discloses a shell having a secondary propelling charge therein which is fired by means of fuse ignition a short time subsequent to the time that the projectile is fired from a gun. The purpose of the secondary charge is to give the shell an additional forward

impulse. There is nothing in the patent disclosing any means for directing the shell after it has left the gun.

The French patent to LeBrun relates to the change of direction of a projectile toward a specific target after it has left the barrel of the gun from which it is discharged. There is disclosed a projectile which has in the nose thereof a light-sensitive means which when the target is sighted extends one of several vanes from the side of the projectile in such manner that the passing air stream impels the projectile to turn toward the target.

The Primary Examiner rejected the involved claims as unpatentable over the LeBrun patent in view of the patent to Wilkins, holding that no invention is involved in providing the anti-aircraft shell of the LeBrun patent with a delayed-action rocket type propelling means, as shown in the Wilkins patent. Subsequent to the decision of the Examiner finally rejecting the involved claims, appellant requested, pursuant to Patent Office rule 138, that the application be remanded to the Primary Examiner for the purpose of considering three affidavits which had been filed on behalf of appellant. The application was remanded to the Primary Examiner for reconsideration, pursuant to Patent Office rule 76. The Examiner in his second statement considered the affidavits in detail, but adhered to his former decision.

[1] It appears that there was a clear difference of opinion between the appellant and the Examiner with respect to the meaning of certain language in French appearing in the LeBrun patent reading:

Ce projectile (fusée d'artifice, obus, torpille, etc.) comporte une enveloppe exterieure 1 qui contient une charge explosive 2.

which according to the Examiner's translation reads in English:

This projectile (rocket, shell, torpedo, etc.) comprises an exterior casing 1 which contains an explosive charge 2.

The difference of opinion arises from the translation of the expression "fusée d'artifice."

Two of the affidavits were made by qualified translators from the French to the English language. According to those translations, the expression "fusée d'artifice" is interpreted to mean a "pyrotechnic fuse," a "time fuse," a "delayed action fuse" or a "powder fuse."

An examination of several standard French-English and English-French dictionaries discloses that the word "fusée" has different recognized English meanings among which are the English words "fuse" and "rocket." The same situation applies to the French word "artifice" which among other meanings is defined as "pyrotechnic." It is clear that the disputed expression may be literally translated as either "pyrotechnic fuse" or "pyrotechnic rocket." Where we have foreign terms with a plurality of recognized meanings, we think it is elementary, as was stated by the Examiner, that such terms must be translated in view of the context in which they are used. Therefore, we must consider the text of the LeBrun patent.

That patent relates particularly to a steered anti-aircraft projectile comprising radiant energy responsive means for the purpose of steering the projectile toward an enemy aircraft. There is no disclosure in the patent of a fuse as means for firing the explosive contained therein, and the invention relates solely to the steering of the shell and not to the firing of the explosive carried therein. The words "fusée d'artifice obus, torpille, etc." all preceded by the expression "Ce projectile" quite obviously mean that the "projectile" is generic to those of several types of projectiles and the inclusion of rocket, shell, torpedo merely specify examples of projectiles. In our opinion it can not in reason be considered that a "fuse" is such an example, but clearly a "rocket" is well known to be a recognized form of military projectile. As was said in the Examiner's second statement, "It is obvious from the LeBrun disclosure that he is not interested in amusing enemy aviators or the anti-aircraft gunner with a pyrotechnic display, but is interested in directing an explosive charge to the enemy aircraft."

The Board in affirming the rejection by the Examiner stated that it was immaterial as to what the disputed meaning of the French words may be for the reason that the claims, as worded, are met by the combination of the references even though the French patent does not disclose a rocket.

[2] We find no error in the decision of the tribunals below.

There can be no question but that the French patent discloses means in a shell for turning the projectile. It is also clear that in the patent to Wilkins there is disclosed a shell which contains a rearwardly directed rocket means. The rocket means does not function until after the time the shell has been fired from the gun, and the purpose of the rocket shown in the patent to Wilkins is to add an additional impulse to the impulse given by the firing of the gun.

It is our opinion, therefore, that even though the projectile of the LeBrun patent is not called a rocket, there can certainly be no invention in applying his directing means to a rocket such as is disclosed in the Wilkins patent.

We have examined with care all of the interesting arguments contained in the brief of counsel for appellant, but do not deem it necessary to discuss the issue in further detail.

For the reasons stated, the decision of the Board of Appeals is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,779,848. (See Re. 19,887.)

1,856,627 (a), H. W. Fletcher, Cutter for earth boring drill, filed May 3, 1949, D. C. W. D. Okla. (Muskogee), Doc. 4370, *Hughes Tool Co.* v. *D. B. Cole.* Doc. 4374, *Hughes Tool Co.* v. *B. F. Conaghan.*

1,856,627 (b), H. W. Fletcher, Cutter for earth boring drill; 1,983,316, Scott & Garfield, Three cone bit, filed May 3, 1949, D. C., E. D. Okla. (Muskogee), Doc. 2537, *Hughes Tool Co.* v. *R. W. Ford.* Doc. 2538, *Hughes Tool Co.* v. *B. F. Shedd.*

1,872,296. (See Re. 19,887.)

1,903,037. I. N. Fraver, Car heating, cooling and ventilating means, filed May 6, 1949, D. C., W. D. Pa., Doc. 7828, *I. N. Fraver* v. *The Studebaker Corp.*

1,912,410. W. Shotey, Device for dressing grinding wheels, filed May 3, 1949, D. C., E. D. Mich., S. Div., Doc. 6158, *W. Shotey* v. *Colonial Broach Co.*

1,983,316. (See 1,856,627(b).)

2,060,472. (See Re. 19,887.)

2,073,103. (See Re. 19,887.)

2,073,876, 2,134,886, G. C. Oliver, Core barrel, D. C., S. D. Calif (Los Angeles), Doc. 7832-WM, *J. E. Talbot et al.* v. *Sail Coring Service.* Judgment holding claim 12 of 2,073,876 valid and infringed, injunction Jan. 25, 1949.

2,076,385. (See Re. 19,887.)

2,094,974. (See 2,101,031.)

2,101,031. C. E. Little, Apparatus for handling concrete; 2,094,974, C. W. Wood, Concrete placing and finishing machine, D. C., N. D. Calif., S. Div., Doc. 27602-G, *Guntert & Zimmerman* v. *Vinnell Co., Inc.* Judgment decreeing claims 1 to 5 inclusive, 8, 9, and 13 of 2,101,031, and claims 1 and 3 of 2,094,974 invalid for lack of invention May 4, 1949.

2,134,886. (See 2,073,876.)

2,141,844, G. F. Reznor, Signaling device, filed May 6, 1949, D. C., S. D. Calif., C. Div., Doc. 9653-Y, *G. F. Reznor* v. *Sutone Corp. et al.*

2,190,517. (See Re. 19,887.)

2,229,412. (See Re. 19,887.)

2,247,053, L. H. Garlinghouse, Wheelbarrow chassis and body construction, D. C., N. D. Calif., S. Div., Doc. 27587-G, *Garlinghouse Bros.* v. *Belmont Engineering Co. et al.* Consent decree adjudging patent valid and infringed, injunction granted Apr. 22, 1949.

2,266,111, A. F. Willat, Permanent waving of hair, filed Apr. 25, 1949, D. C., N. D. Calif., S. Div., Doc. 28808-R, *A. F. Willat* v. *Hollywood Beauty Salon.*

2,266,625, C. W. Cundiff, Terracer and grader, D. C., N. D. Tex. (Lubbock), Doc. 690, *Owensboro Ditcher & Grader Co.* v. *Phares-Wilkins Mfg. Co. et al.* Judgment enjoining defendants from infringement, cause dismissed May 7, 1949.

2,285,770. (See Re. 19,887.)

2,329,362. (See Re. 19,887.)

2,354,037, C. W. Barker, Work-holding device having a ball and socket as a means for universal adjustment, filed Mar. 30, 1949, D. C., S. D. Calif., C. Div., Doc. 9466-Y, *H. Vogl et al.* v. *Troup Engineering Co. et al.*

2,398,382, D. A. Lyon, Method for coating optical elements, filed May 6, 1949, D. C., W. D. N. Y. Doc. 4168, *D. A. Lyon* v. *Bausch & Lomb Optical Co.*

2,425,966, E. H. Tjomsland, Shuffleboard, filed May 5, 1949, D. C., N. J. (Newark), Doc. 322/49, *Vibro Vita Products Co. et al.* v. *Sun-Glo Shuffleboard Supplies, Inc., et al.* Doc. 301/49, *Vibro Vita Products Co. et al.* v. *Sun-Glo, Inc., et al.* Dismissed May 5, 1949.

2,445,467, A. Berke, Shipping container, suit for declaratory judgment filed May 5, 1949, D. C., S. D. N. Y., Doc. 50/30, *Metro Container Corp.* v. *Victory Container Corp.*

2,450,866, Morehouse & Mayfield, Poultry treatment composition, filed May 6, 1949, D. C., W. D. Mo., W. Div., Doc. 5689, *Dr. Salsbury's Laboratories* v. *J. D. Russell Co.*

2,460,438, M. Treiman, Garment hanger, filed May 3, 1949, D. C., S. D. N. Y., Doc. 50/108, *Allird Plastics Co.* v. *Berney-Stempler & Sons, Inc.*

2,464,365, F. J. Aves, Curbing signal, filed May 4, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 9636-PH, *F. J. Aves et al.* v. *Sutone Corp.* Doc. 9637-PH, *F. J. Aves* v. *B. C. B. Co.*

Re. 19,887 (of 1,872,296), O. S. Jennings, Panel circuit breaker; 2,190,517, 2,229,412, same, Circuit breaker; Re. 21,429 (of 2,076,385), C. M. Petersen, Circuit control device; 1,779,848, R. Logstadt, Circuit breaker; 2,060,472, J. Sandin, same; 2,073,103, C. H. Hodgkins, same; 2,329,362, R. H. Swingle, same, D. C., N. D. W. Va. (Wheeling), Doc. 229-W, *Westinghouse Electric & Mfg. Co.* v. *Bullday Electric Products Co.* Defendant's motion for summary judgment of dismissal (2,285,770, Frank & Messing, Circuit breaker), filed May 22, 1948, granted, and this cause and plaintiff's bill of complaint dismissed Apr. 12, 1949.

Re. 21,429. (See Re. 19,887.)

Des. 148,514, K. C. Atkin, Rotary disc surface finishing machine, filed May 7, 1949, D. C., W. D. Mich. (Grand Rapids), Doc. 1323, *Clarke Sanding Machine Co.* v. *Pope Hardware Co. et al.*

Des. 151,884, Des. 1,152,679, Des. 152,680, M. Duvalet, Brooch, D. C., S. D. N. Y., Doc. 40/545, *Van Cleef & Arpels, Inc.* v. *David's Fifth Avenue, Inc.* Order of dismissal without prejudice May 4, 1949.

Des. 151,733, W. G. Bley, Lady's stocking, filed May 3, 1949, D. C., E. D. Pa., Doc. 9643, *Sanson Hosiery Mills, Inc., et al.* v. *Pennsheer Hosiery Co.*

Des. 152,679. (See Des. 151,684.)

Des. 152,680. (See Des. 151,684.)

NOTICES

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,349,281, G. H. Kendall, Pulley bearing, decided Apr. 12, 1949, claims 1 and 2.

Pat. 2,439,906, W. W. Rigrod, Tuning means for electron discharge devices, decided May 17, 1949, claims 1, 2, and 3.

Classification Bulletin No. 166

Classification Bulletin Number 166 containing the definitions of Class 250, Radiant Energy, is now available. Copies of this publication may be procured from the Commissioner of Patents at 30 cents per copy.

Cross-References in Cases Relating to Same Subject

When an applicant files an application claiming an invention disclosed in a prior filed application of the same applicant, the second application must contain a reference to the prior application, identifying it by serial number and filing date and indicating the relationship of the applications. When an applicant files, or a common assignee owns, two or more applications relating to the same subject matter of invention, with one or more of the applications disclosing unclaimed matter that is disclosed and claimed in another of the applications, the applications not claiming it must refer to and identify the application claiming it. Cross-references to other related applications may be made when appropriate.

Important Information

In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz:

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REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Group" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,445,082. FOLDABLE SHELF. Patented July 13, 1948. Shelf panel is hinged to a T-shaped bar (attached to wall or door) so that shelf may be swung to horizontal position. The shelf is supported in horizontal position by a U-shaped frame or bracket pivotally mounted on the vertical portion of the T-shaped bar. In use, the frame is also utilized to support a number of clothes hangers. When shelf is unsupported, it is inconspicuously folded downwardly flat against wall, hiding empty coat hangers and carrying a mirror or advertising matter on its upper surface. (Owners) John L. Posun, Le Roy Houghton, Howard C. Faust. Correspondence to John L. Posun, 303 Fairfield Ave., Johnstown, Pa. Groups 25—41; 33—49; 40. Reg. No. 19,614.

Pat. 2,458,889. COLLET CHUCK. Patented Jan. 11, 1949. A collet chuck for attachment to the nose of a lathe spindle to support the work. The advantages of the chuck are two-fold: The full size of the bore in the spindle of the machine can be used to accommodate the greatest number of sizes of work stock; improved structure for opening and closing the chuck is an additional attribute flowing from the structural components of the device. (Owner) Donald W. Bloomquist, 104 North Oak St., Bloomington, Ill. Group 35—43. Reg. No. 19,615.

Pat. 2,442,998. CLOTHESBASKET. Patented June 8, 1948. Basket has a rigid metallic frame consisting of a top hoop and a bottom hoop connected by spaced, vertically inclined side stays. Opposite ends of each stay terminate in hooks, with one hook welded to bottom hoop and the other in interlocking engagement in a channel of top hoop. The stays and hoops may be wrapped or otherwise covered with reed, cloth, etc., and bottom and sides of frame may be closed by weaving panels of suitable material thereto. (Owner) Joseph Egel, 824 Homer St., Toledo 8, Ohio. Groups 25—51—52; 33—49. Reg. No. 19,616.

Pat. 2,452,726. MULTIROTOR HELICOPTER WITH TILTABLE ROTORS. Patented Nov. 2, 1948. Dual rotor helicopter having a pair of rotors mounted for universal movement is of substantially the compactness of a conventional craft having a single rotor. A single tiltable and rotatable control "stick" is provided for angularly adjusting the rotors simultaneously in opposite directions relative to each other to steer craft. The rotors are angularly mounted directly above the upper corners of fuselage on the protruding ends of a pair of downwardly extending converging rotor shafts inside fuselage. The shafts extend through and are supported for universal movement in bearings in upper corners of fuselage. The lower ends of the shafts disposed beneath floor boards of fuselage are connected for universal movement to the opposite ends of a horizontal bar rigidly secured to lower end of control "stick." A transverse shaft disposed directly below top of fuselage for driving the rotors in opposite directions has bevel gears on opposite ends meshing with bevel gears on the rotor shafts. (Co-owner) Milton H. Lees, Jr., 9 Sutter St., San Francisco 4, Calif. Group 37—21—22. Reg. No. 19,617.

Pat. 2,460,522. MANICURE SET. Patented Feb. 1, 1949. A compact unit containing articles necessary for a complete pedicure consists of a handle body and a removable cap which encloses, when not in use, a nail clipper and a callus scraper. A pair of files having the same transverse curvature as the handle body are secured to the sides. The scraper (resembling a safety razor head) has a stem portion which may be screwed into an axial threaded socket or bore at opposite end of handle body. When not in use, the cutting edges of scraper are protected by an arcuate resilient cover. (Owner) Anthony J. Miller, Freeman, S. Dak. Groups 33—51—53; 34—54; 39—81—91. Reg. No. 19,618.

Des. Pat. 151,274. DESIGN FOR A HOSE REEL. Patented Oct. 5, 1948. (Owner) Henry E. Kirschner, 5606 King Hill Ave., St. Joseph 48, Mo. Groups 25—99; 35—99. Reg. No. 19,619.

Pat. 2,454,592. CABLE EYE AND METHOD OF SPLICING THE SAME. Patented Nov. 23, 1948. A method of forming an eye at the end of a rable, with the ends firmly spliced to the cable body. The end of the cable is divided into two parts, each bundle of strands preserving its original convolution. The two parts are crossed forming an eye, and the ends intertwined toward the crotch formed by the separation. Detailed directions are given for manipulating the free ends of the separate strands of each bundle to form with the body of the cable a spliced joint that is symmetrical in appearance and strong enough to withstand heavy pull and stress. (Owner) Joseph Budzinski, 1510 Thirty-fifth St., Kenosha, Wis. Groups 22—98; 33—41—49; 36—31; 37—32. Reg. No. 19,620.

Pat. 2,437,718. EXPANDING MANDREL. Patented Mar. 16, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Cylindrical mandrel consisting of a series of expansible cylindrical sections may be used in the fabrication of suitably shaped heat insulating covers for valves, fittings, pipe flanges, etc., by merely adjusting various sections to the shape desired. The expansible feature of each section consists of radial segmental shoes of inverted U-shape movably mounted on a pair of disks. Each section carries a rack bar and a latch to hold the shoes in any position of adjustment. All disks of all sections are mounted on a common shaft. Any section may be adjusted independently of all other sections by simply grasping a selected section in one hand to hold it against rotation (after releasing latch) while the shaft is turned with other hand to cause the shoes to move radially, either inwardly or outwardly depending upon the direction of rotation of the shaft. (Co-owner) Mercer L. Whitson, General Delivery, Los Alamos, N. Mex. Group 35—43. Reg. No. 19,621.

Pat. 2,460,326. EXPANSIBLE MANDREL. Patented Feb. 1, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 767.) Cylindrical mandrel, for use in fabricating heat insulating pipe covers, may be expanded and then collapsed to permit removal of

fabricated cover. Mandrel consists of radial segmental staves (T-shaped in cross section) engaging a pair of oppositely disposed cones slidably mounted on the ends of a shaft. A longitudinally slotted spool mounted on the shaft between the cones engages and prevents longitudinal movement of the staves. Mandrel may be adjusted by holding the staves against rotation while the shaft is rotated in the desired direction to slide the cones toward or away from each other to move the staves radially, either inwardly or outwardly. (Co-owner) Mercer L. Whitson, General Delivery, Los Alamos, N. Mex. Group 35—43. Reg. No. 19,622.

Pat. 2,456,419. FOLDING BOX. Patented Dec. 14, 1948. Knock-down box consists of a number of sections connected by strap hinges. All sections, with the exception of the end pieces, are of approximately the same size, being made of wire mesh welded onto a wire frame or any other suitable material. The box may be made in any dimension that will serve a number of different purposes such as a live-bait box, chicken coop, etc. No clamps, hooks, or clasps are required to hold the box in folded position. (Owners) Alphonsus L. Jackson and Herbert A. Brown, St. Clair, Mo. Group 33—49. Reg. No. 19,623.

Pat. 2,460,015. MOTION TRANSMITTING MECHANISM. Patented Jan. 25, 1949. A magnetic clutch includes a closed cylindrical main casing, one end of which is formed with an axial cylindrical indentation constituting a secondary casing isolated from the interior of the main casing. An outer non-magnetic cup-shaped rotor is supported from the opposite end to rotate within the main casing and has a rim portion surrounding the secondary casing. A second disk-shaped rotor has spaced recesses in alignment with recesses in the outer rotor. The recesses of the two rotors receive horseshoe permanent magnets. The polarity of the opposed magnets on the two rotors is reversed. Upon turning either rotor the force of the mutual attraction of the opposed poles of their magnets will cause the other rotor to turn in the same direction and synchronize therewith. (Owner) Neven J. Jones, Box 327, Natrona Heights, Pa. Group 36—31. Reg. No. 19,624.

Pat. 2,448,592. PLUG CONNECTOR. Patented Sept. 7, 1948. Plug of the type to be screwed into a socket consists of a plug body and a cap member separably clamped together by a bayonet joint inside plug. Cap member has an axial guide rod extension and a pair of contact prongs to fit into and engage a pair of conductors inside plug body. When cap is turned to clamp it to plug body, contact shoes on the prongs are rotatably brought into frictional contact with arcuate contact heads on the conductors. The shoes also strike stop flanges on the heads to limit turning movement of the cap so that good electrical connection between the prongs and conductors is assured. (Owners) Carl F. Hart, Carl J. Fredrickson, and Paul J. Mueller. Correspondence to Carl F. Hart, 511 N. W. 62nd Ave., Miami, Fla. Group 36—11. Reg. No. 19,625.

Pat. 2,256,965. REMOTE CONTROL FOR CAMERA SHUTTERS. Patented Sept. 23, 1941. A remote control for operating the shutter release cable of a camera so the operator may take a picture of himself. A frame has two parallel end members which support a plunger with an operating knob at one end and a rubber cup at other end to receive the shutter release cable. A block of Bakelite or the like attached to end of frame has a U-shaped bracket pivoted thereto. The arms of bracket are attached to springs at sides of plunger. An armature pivoted to the block lies in a notch in plunger. An electro-magnet below the free end of the armature is attached to a storage battery. When energized, the magnet attracts the armature against resistance of a leaf spring and withdraws the armature from the plunger. The plunger will press on cable and operate the camera shutter. (Owner) DeLaney E. Sexton, 426 Gilpin St., Dallas 11, Tex. Group 39—12. Reg. No. 19,626.

Pat. 2,392,968. ELECTAIC BRAKE. Patented Jan. 1, 1946. A brake for lathes includes a rotatable body driven by an electric motor and controlled by a brake band. One end of the band is attached to a linkage connected to two independently actuated solenoids. One solenoid applies a continuous force to the rotating body. The other solenoid is energized intermittently to actuate the brake at a predetermined place determined by the position of an adjustable reflecting surface thereon. A lens focused on the reflecting surface projects a light ray from a lamp to the reflecting surface where it is reflected through another lens onto a photoelectric cell. (Owner) DeLaney E. Sexton, 426 Gilpin St., Dallas 11, Tex. Group 35—43. Reg. No. 19,627.

Pat. 2,430,441. LUBRICATING FITTING CAP. Patented Nov. 11, 1947. Cylindrical cap for protecting the nipple of fittings to which a grease gun is to be applied consists of an inner cork portion fitted with a rubber cap. A centered spherical recess is provided in the cork portion, as well as a flared bottom opening, so that it fits the nipple and cone-shaped shoulder of a conventional type of lubricant fitting. The cork portion is tightly fitted with a rubber cap which includes a beveled edge which forms a continuation of the flared opening in the cork portion so that the shoulder of the fitting is fully covered. (Owner) Seth Abramson, 11014 108th Ave. S. E., Renton, Wash. Groups 35—61; 36—31. Reg. No. 19,628.

Pat. 2,450,196. BRAKE SHOE ADJUSTING GAUGE. Patented Sept. 28, 1948. A gauge for adjusting brake shoes of automobiles and the like, which permits a visual inspection of the adjustment being made. An open-ended adjusting cylinder has a longitudinal slot throughout its length to provide a pair of spaced edges. A pair of anchor blocks adjacent the spaced edges are joined by an adjusting screw. Rotation of the screw will vary the spacing between the blocks and increase or decrease the diameter of the cylinder. Gauging surfaces are provided at one end of cylinder. One gauge is inserted in the brake drum and the adjusting screw turned until the gauge fits snugly into the drum. The other gauge surface is simultaneously adjusted, and the cylinder may be removed and this gauge surface placed over the assembled brake shoes. (Owner) John Meridith Houston, Woodson, Tex. Groups 35—43; 36—31. Reg. No. 19,629.

Pat. 2,451,702. PIPE CLAMP. Patented Oct. 19, 1948. Clamp for large pipes is used to hold the end of a short pipe to the side of another pipe in assembled relation so that the seam between the pipes may be welded. Clamp has a frame consisting of an elongated flat plate having upturned sides with an adjustable slide retained in one end and a transverse shaft rotatably mounted in opposite end. A flexible clamping strap wound on the shaft has a ring on its free end to detachably engage a lug on the outer end of the slide. In use, the clamp is placed with the bottom of the frame resting on the outer end of the short pipe with the strap embracing the bottom of other pipe. The shaft is then rotated to tension the strap, reverse rotation of shaft being prevented by a releasable pawl engaging a pair of ratchet wheels mounted on the shaft. Clamp will accommodate pipes of different diameter by adjusting the slide. (Owner) F. G. Weigand, 431 West 5th St., Mount Carmel, Ill. Group 35—60. Reg. No. 19,630.

Pat. 2,460,813. PLATENLESS TYPEWRITER. Patented Feb. 8, 1949. Portable typewriter is designed to operate primarily on plane and drawings of practically any size. The machine moves bodily over the material during typing operations, while the material remains stationary in horizontal position on any suitable supporting surface, such as a desk. It has the general appearance and operating structure of a conventional typewriter, except that the platen is omitted. Its operation requires only ordinary typing skill since all movements both longitudinally and laterally are accomplished by conventional typing operations. Rotatable balls carried by legs of machine support it on the work and move it thereover. The balls are frictionally rotated by disks, which have concave peripheral surfaces. (Owner) Charles W. Dohn, 70—41 67th Place, Glendale, Long Island 27, N. Y. Group 35—72—79. Reg. No. 19,631.

Pat. 2,460,133. ALARM DEVICE. Patented Jan. 25, 1949. Alarm individually rouses person desiring to be awakened by means of noiseless vibration. One arm of a U-shaped spring is subjected to the impulses of a coil magnet to produce vibration which is rendered silent by a sound dampening plug. The spring is enclosed within a casing which may be inserted under a coil mattress (to spread the vibration). The alarm is used in combination with an electric clock. (Owner) William E. La Pedus. Correspondence to Dawson, Ooms, Booth & Spangenberg, 209 South La Salle St., Chicago 4, Ill. Groups 34—61; 36—62. Reg. No. 19,632.

Pat. 2,245,271. SAFETY CUTOFF VALVE. Patented June 10, 1941. A safety cutoff valve for high pressure gas equipment to be inserted between the source of supply and the source of consumption. A casing for a valve chamber has a valve seat at one end and a valve abutment at opposite end. The valve is normally held open against the abutment by a biasing spring. The chamber wall has grooves between the abutment and valve seat. Grooves in the abutment-engaging portion of the valve communicate with the wall grooves so liquid can bypass around the open valve. Upon loss of pressure in the conduit the sudden rush of gas through the valve overcomes the force of the spring and the valve automatically closes. (Owner) Howard A. Guill, General Delivery, Brunswick, Ga. Group 35—42—60. Reg. No. 19,633.

Pat. 2,461,779. ROAD SANDER. Patented Feb. 15, 1949. Sander delivers air-dried sand to the road in front of rear wheels of an automotive vehicle to prevent slipping. Controlled by a switch on the dash. Sander housing attached to a vehicle chassis has a removable sand reservoir, and a motor-driven conveyor and fan. A flexible conduit connects the reservoir to a heating chamber around the air exhaust conduit and the fan draws the warm air into the reservoir. A Y-shaped coupling secured to a sand outlet has a pair of delivery conduits with nozzles to be clamped to the chassis in front of the rear wheels. (Owner) Elmer J. Schall, 1303 Pratt St., Elmira, N. Y. Group 38—11—31. Reg. No. 19,634.

Pat. 2,460,634. ALARM CLOCK. Patented Feb. 1, 1949. This alarm clock is designed to have light signals of sufficient volume and intensity to awaken a sleeping person. A light signal box (with a circular opening through which a lamp bulb extends) houses a lamp socket, toggle switch, and wires, and forms the base for the clock housing. The alarm circuit switch comprises two alarm signal contacts with a switch arm fulcrumed below having an insulated bridging piece. A pin on a push rod passes through a slot in switch arm. A head plate on push rod is within range of a dog which when rotated by the alarm spring presses against the head plate and operates the switch arm. The casing also carries a toggle switch controlling the circuit of the alarm signal contacts and a plug socket in the alarm circuit for connection of the signal lamp. An auxiliary alarm bell may be provided. (Owner) R. F. Heckmer, 247 West Scott St., Youngstown, Ohio. Group 34—61. Reg. No. 19,635.

Pat. 2,435,934. LIQUID COOLER. Patented Jan. 27, 1948. Cooling element consists of a double wall backed by insulation and enclosed within a casing, the element being bent to form a series of step-like transverse troughs. Distributor pipes embedded in the insulation receive refrigerant in liquid form forced from a receiving tank. The refrigerant passes through an expansion valve and is converted into a gas which is drawn between the hollow walls of the element. Gas reaching the upper limits of the element is reconverted to a liquid by a heat exchanger and flows back to the tank for re-circulation. Milk or other fluid cascading down the element is cooled as it spills from trough to trough. A spout is provided at lower end of casing. (Owner) Eugene F. Chisholm, 2005 N. E. Dekum, Portland, Oreg. Group 35—84. Reg. No. 19,636.

The following four patents are offered for license by Winfield B. Heins, Middlebrook Road, Bound Brook, N. J.

Pat. 2,343,181. AUTOMATIC TENSION CONTROL. Patented Feb. 29, 1944. A loop of traveling strand material, such as fabric, paper, etc., is engaged by a movable roller which constitutes a tension detector. The roller is resiliently journaled to a piston, the action of which is regulated by a vane interposed between the opposed vents of a pair of pressure supply lines. In accordance with the alteration of the position of the vane, a brake engageable with the unwinding reel is controlled. In its intermediate position, the vane equalizes pressure in the supply lines to the piston. As the vane is moved closer to either of the vents, by changes in the tension of the traveling strands, flow is decreased in one supply line and pressure is raised in the corresponding supply line. Thus constant tension is maintained regardless of the various strains to which the strand material is subjected. Groups 35—52; 36—13. Reg. No. 19,637.

Pat. 2,389,047. TENSION REGULATING MECHANISM. Patented Nov. 13, 1945. Winding mechanism is incorporated in machines such as dyeing jigs in which material is wound from one roll to another as it passes through a dye bath. Essentially, variations in tension are utilized to control a rheostat that governs the output of the motor. The shaft of the motor drive rotates in one direction until the effective diameters of the winding rolls are equal, at which time rotation ceases. At this time a switch becomes effective to disconnect the drive of the motor from the roll that was originally driven and transfers it to the roller having the smaller diameter. Groups 35—52; 36—13. Reg. No. 19,638.

Pat. 2,392,226. TENSION REGULATING MECHANISM FOR DIFFERENTIAL DRIVES. Patented Jan. 1, 1946. Apparatus for winding and unwinding strip material from a rotatable mandrel includes a driven roll and a differential gearing having the three usual power transmission elements. Driving connections are provided between one of the elements and the roll and between the second element and the mandrel as well as a continuously variable transmission. A pump is driven by the third element. A reversing motor is responsive to the pressure of the pump to vary the output speed of the transmission. The circuit for the motor includes a reversing switch operated by the pressure of the pump. Groups 35—52; 36—13. Reg. No. 19,639.

Pat. 2,422,531. APPARATUS FOR CUTTING BARS, TUBES, AND THE LIKE. Patented June 17, 1947. Work to be cut (pipes, bars, etc.) is clamped between jaws of an oscillating or rotating vise of a cylindrical holder so that new faces of the work are alternately brought into contact with the edge of a grinding wheel. Wheel is supported in a slide having a rear pulley and adjustable weight arrangement to provide floating feed for uniformly advancing the wheel into the work during cutting operation. Apparatus has several advantages: Less friction and heat are developed by relieving previously cut portions of the work from contact with the wheel; the floating force

exerted by the pulley and weight arrangement permits change of position of the work without damage to the cutting wheel, reducing time and power required to make a given cut. Groups 35—52; 36—13. Reg. No. 19,640.

Pat. 2,462,424. WINDOW LOCKING DEVICE. Patented Feb. 22, 1949. An inconspicuous detachable locking device for window sashes. A hollow casing has a rectangular base with a V-shaped groove which fits over a thin wedge-shaped member screwed to upper edge of lower sash frame. Within the casing is a comparatively short plunger which is brought into frictional contact with the lower stile of the upper sash by manipulation of a threaded thumb screw mounted in the casing, thus preventing movement of either sash. Casing is easily installed or removed when upper sash is lowered below upper edge of lower sash. (Owner) Bayard P. Sparks, P. O. Box 476, St. James, Long Island, N. Y. Groups 24—31; 28—59—83. Reg. No. 19,641.

Pat. 2,461,689. VALVE ASSEMBLY FOR HYDRAULIC STEERING SYSTEMS. Patented Oct. 19, 1948. Hydraulic system for easier steering and for preventing road shocks to the steering wheel. By rotating the wheel, fluid is forced from a pump into a case containing two valve chambers and a plunger. Fluid is forced through the valve chamber, closing or opening the valve, and enters the steering motor and forces the guide wheels attached thereto to turn in either direction. (Owner) Everett Nelson, 704 Holcombe Ave. South, Litchfield, Minn. Groups 35—61; 36—31. Reg. No. 19,642.

Pat. 2,455,313. HEAT EXCHANGING AIRPLANE PROPELLER. Patented Nov. 30, 1948. A heat exchanger embodied in an airplane propeller for reducing the temperature of oil which has been used for cooling the engine and at the same time warming the propellers to prevent formation of ice thereon. A main circulating conduit in the propeller hub has two sections arranged lengthwise in each blade and connected at top of blade through which the oil to be cooled is circulated. One section (insulated) is connected to an outlet of the engine and receives heated oil therefrom. The other section (not insulated) connects with an inlet of the engine through a main return conduit within the propeller hub and returns the cooled oil to the engine. (Owner) Irving Osofsky, 457 Glenwood Ave., Buffalo 8, N. Y. Group 37—22. Reg. No. 19,643.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 14, 1949

[VOL. 623. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 3, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 508,477. HARCO CHEMICAL COMPANY, East Cranford, N. J. Filed Sept. 4, 1946.

MASKIT

FOR SOAP COMPOUNDS FOR APPLICATION TO THE WALLS OF PAINT SPRAY BOOTHS AS A PROTECTIVE COATING TO PREVENT PAINT MATERIAL FROM ADHERING THERETO AND WHICH MAY BE READILY REMOVED BY A WATER SPRAY.

Claims use since Feb. 19, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 519,021. LUCKY CALF MFG. CO., Chambers, Nebr. Filed Mar. 14, 1947.

LUCKY CALF

Applicant disclaims the word "Calf" except in the association shown.

FOR REMEDY FOR CALF SCOURS.

Claims use since Nov. 6, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 474,561. VITA-VAR CORPORATION, Newark, N. J. Filed Sept. 23, 1944.

VITA-CLOR

FOR WATERPROOFING COMPOUND FOR WOOD, BRICK, CONCRETE, AND LIKE BUILDING MATERIALS, THE SAID COMPOUND BEING APPLIED TO SURFACES BY A BRUSH, TROWEL, OR SPRAY AND ALSO BY MIXING IT IN CONCRETE BUILDING MATERIALS.

Claims use since Aug. 10, 1944.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 508,967. MORRIS F. BOOTH, Alden, Mich. Filed Sept. 13, 1946.

VIZ-U-CATOR

FOR TOYS MADE OF WOOD, PLASTIC, OR LIKE MATERIAL IN THE FORM OF ADDING BLOCKS FOR TEACHING CHILDREN RUDIMENTARY ARITHMETIC.

Claims use since July 1, 1946.

Ser. No. 514,199. WALTER D. HEDENKAMP, doing business as B. L. Fry Products Company, St. Louis, Mo. Filed Dec. 13, 1946.

BARN YARD

FOR GAME PLAYED WITH CARDS AND A SPINNING ARROW.

Claims use since July 7, 1937.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 521,422. ARENCO AKTIEBOLAG, Stockholm, Sweden. Filed Apr. 28, 1947.

ARENCO

FOR MATCH MAKING MACHINES; CIGAR AND CIGARETTE MACHINES; MACHINES FOR DISINTEGRATING, STEMMING, MOISTENING, DRYING AND CURING TOBACCO; MACHINES FOR ENVELOPING, PACKING, AND FILLING PULVEROUS, GRANULAR, LIQUID, OR PASTY MATERIAL; MACHINES FOR APPLYING SEALING STRIPS; LABELLING MACHINES; CAPPING MACHINES; MACHINES FOR PACKING CIGARS, CIGARETTES, SNUFF, SMOKING-TOBACCO, OR CHEWING-TOBACCO; ENVELOPE AND BAG MACHINES; MACHINE-TOOLS—NAMELY, LATHES, DRILLING, BORING, MILLING, PLANING, GRINDING, AND TAPPING MACHINES; BOTTLE FILLING AND BOTTLE CLEANING MACHINES; KNITTING MACHINES; MACHINES FOR TREATING AND REFINING PAPER, CARDBOARD AND SIMILAR MATERIALS; LITHOGRAPHIC MACHINES; BOX MACHINES; MACHINES FOR THE MANUFACTURE OF AMMUNITION;

ASSORTING MACHINES, INCLUDING FISH ASSORTING MACHINES; FISH COLLECTING MACHINES; FISH DRESSING MACHINES, INCLUDING MACHINES FOR EVISCERATING, KIPPERING, BEHEADING, OR OTHER CUTTING OF FISH; TOOLS—NAMELY, DRILLS, TURNING CHISELS, MILLING CUTTERS, BROACHES, REAMERS, SCREW TAPS, SCREW STOCKS, CHUCKS, AND TOLL HOLDERS.
Claims use since Sept. 1, 1920.

Ser. No. 521,442. EFCO MANUFACTURING, INC., Hamilton, R. I. Filed Apr. 28, 1947.

EFCO

FOR WRENCHES AND WRENCH PARTS.
Claims use since Jan. 2, 1947.

Ser. No. 523,991. JOHN WALDRON CORPORATION, Highland Park, N. J. Filed July 3, 1947.

SYNCROSET

FOR MACHINES FOR COATING PAPER WEBS WITH COATING COMPOUNDS OF STARCH, CLAY, AND THE LIKE TO PRODUCE BRIGHT, GLOSSY STOCK FOR PRINTING.
Claims use since Nov. 20, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 500,232. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y. Filed Apr. 15, 1946.

Linde

FOR SYNTHETIC SAPPHIRE, SYNTHETIC RUBY, AND SYNTHETIC SPINEL.
Claims use since 1942 in respect to synthetic ruby and synthetic sapphire; and since April 1945 in respect to synthetic spinel.

Ser. No. 525,590. HAMILTON WATCH COMPANY, Lancaster, Pa. Filed July 2, 1947. Under section 5b of the act of 1905 as amended. One year extension of 10-year proviso.

Hamilton

FOR LEATHER AND FABRIC ARTICLES—I. E., WRIST WATCH STRAPS.
Claims use since November 1922.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 519,891. NATIONAL SLEEP PRODUCTS, INC., Brooklyn, N. Y. Filed Mar. 31, 1947.

SLEEPO-MAT

FOR MATTRESSES.
Claims use since May 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 514,735. ALFRED ALLEN WATTS CO., INC., New York, N. Y. Filed Dec. 23, 1946.

WATTSPEED COPYSETS

No exclusive claim is made to the word "Copysets" apart from the mark as shown in the drawing.
FOR LETTER COPY SETS, PRE-COLLATED WITH ONE-TIME CARBON.
Claims use since December 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 515,101. GERARD LAWRENCE STANNARD, New York, N. Y. Filed Dec. 31, 1946.

Save and Travel

The word "Travel" is disclaimed apart from the mark.
FOR MAGAZINES PUBLISHED FROM TIME TO TIME.
Claims use since Dec. 31, 1946.

CLASS 39

CLOTHING

Ser. No. 483,039. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed May 5, 1945.

Korrecto

FOR SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND/OR COMBINATIONS THEREOF.
Claims use since Dec. 9, 1924.

Ser. No. 505,912. GREGOIRE OVSIANICO, Paris, France. Filed July 19, 1946.



The term "Paris" is disclaimed.
FOR COATS, HATS, SUITS, UNDERWEAR, AND GLOVES FOR MEN, WOMEN, AND CHILDREN; SOCKS, CAPS, AND SHIRTS FOR MEN AND CHILDREN; CAPES AND SCARVES FOR WOMEN AND CHILDREN; DRESSES AND GOWNS FOR WOMEN; AND SCARVES FOR MEN.
Claims use since Apr. 1, 1946.

Ser. No. 514,097. BARACUTA (CLOTHIERS) LIMITED, Manchester, England. Filed Dec. 12, 1946.

Baracuta

FOR CLOTHING FOR MEN, WOMEN, AND CHILDREN—NAMELY, WATERPROOF AND RAINPROOF COATS, OVERCOATS, SPORTS JACKETS, FLANNEL TROUSERS, SUITS, GOLF JACKETS, GOLF TROUSERS.
Claims use since July 1, 1936.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 520,327. DEL-MAR QUALITY FOOD CO., Culver City, Calif. Filed Apr. 8, 1947.

FELBRO

FOR FRENCH DRESSING, MAPLE FLAVOR SYRUP FOR FOOD PURPOSES, BARBECUE SAUCE, FOOD FLAVORING EXTRACT, SUCH AS GRAVY FLAVOR, FOOD FLAVORING SYRUPS, SUCH AS IMITATION VANILLA FLAVOR AND IMITATION LEMON FLAVOR, MARASCHINO CHERRIES, IMITATION RASPBERRY JELLY, RASPBERRY GELATIN DESSERT PREPARATIONS.
Claims use since Feb. 11, 1947.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 548,703. ABEL & BACH, INC., Milwaukee, Wis. Filed Feb. 4, 1948. Under section 2f of the act of 1946. Applicant claims ownership of Registration No. 236,599.

The Stetson

FOR SUITCASES.
Claims use since Aug. 7, 1926.

Ser. No. 571,157. NASH, INC., Jersey City, N. J. Filed Dec. 27, 1948. Under section 2f of the act of 1946.



Applicant claims ownership of Registration No. 410,996.
FOR WALLETS, KEY CASES, PURSES, PORTFOLIOS, CATALOGUE CASES, BILL FOLDS, SCHOOL BAGS, BRIEF CASES, HANDBAGS, AND POCKETBOOKS, OF LEATHER AND OF LEATHER AND FABRIC.
Claims use since Nov. 1, 1943.

Ser. No. 571,237. RONAY, INC., New York, N. Y. Filed Dec. 28, 1948. Under section 2f of the act of 1946.

Ronay

Applicant claims ownership of Registration No. 354,419.
FOR LADIES', WOMEN'S, AND MISSES' POCKETBOOKS, HANDBAGS, PURSES, WALLETS, BILLFOLDS.
Claims use since Sept. 1, 1936.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 508,237. PARFUMERIE & SAVONNERIE GILOT SOCIETE ANONYME, Paris, France. Original filed Aug. 29, 1946, under the act of 1905; amended under act of 1946, July 27, 1948. Under section 2f of the act of 1946.

GILOT

Applicant claims ownership of French Registration No. 345,726 dated June 11, 1943.
FOR SOAPS.

Ser. No. 529,858. ARMOUR AND COMPANY, Chicago, Ill. Filed July 29, 1947. Under section 2f of the act of 1946.

GARNET

The word "Garnet" is disclaimed apart from the mark as shown.
FOR COATED ABRASIVE PRODUCTS HAVING A FLEXIBLE BACKING WITH AN ABRASIVE SECURED TO THE BACKING BY AN ADHESIVE.
Claims use since 1932.

Ser. No. 530,183. THE FLEISCHER MILLS, INC., Cincinnati, Ohio. Filed Aug. 1, 1947.

KLIX

FOR NON-INFLAMMABLE DRY CLEANING FLUID.
Claims use since April 1932.

Ser. No. 531,603. INLAND RUBBER CORPORATION, Chicago, Ill. Filed Aug. 16, 1947.

INLAND

FOR CLEANERS AND SOLVENTS FOR CLEANING SURFACE OF RUBBER ARTICLES PREPARATORY TO MENDING OR PATCHING.
Claims use since May 1943.

Ser. No. 537,352. PITKIN, INC., Newark, N. Y. Filed Oct. 9, 1947. Under section 2f of the act of 1946.

Linda Lee

The mark is not the name of any particular individual.
FOR TOILET SOAP.
Claims use since November 1933.

Ser. No. 548,456. ARMOUR AND COMPANY, Chicago, Ill. Filed Jan. 31, 1948.

H.G. VEGETABLE

The word "Vegetable" is disclaimed.
FOR SOAP.
Claims use since Apr. 12, 1933.

Ser. No. 557,839. FISCHER INDUSTRIES, INC., Cincinnati, Ohio. Filed May 26, 1948.

FICON

FOR CONCENTRATED LATHERING SYNTHETIC DETERGENT IN LIQUID FORM TO BE USED FOR GENERAL CLEANING WHEN DISSOLVED IN WATER.
Claims use since Feb. 11, 1948.

Ser. No. 559,413. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Feb. 27, 1948. Under section 2f of the act of 1946.

JUNE GERANIUM

Applicant claims ownership of Registrations Nos. 236,338 and 230,829.
FOR BATH AND TOILET SOAPS.
Claims use since January 1917.

Ser. No. 565,561. H. KOHNSTAMM & CO., INC., New York, N. Y. Filed Sept. 21, 1948. Under section 2f of the act of 1946.

COLORSUDS

Applicant claims ownership of Registration No. 417,795.
FOR SOAP, USED FOR LAUNDRY PURPOSES.
Claims use since Aug. 31, 1933.

Ser. No. 565,607. BLUE SUDS COMPANY, Detroit, Mich. Filed Sept. 22, 1948. Under section 2f of the act of 1946.

BLUE SUDS

No claim is made to the word "Suds" apart from the mark as shown in the drawing. Applicant claims ownership of Registration No. 401,662.
FOR WASHING COMPOUND.
Claims use since Aug. 12, 1935.

Ser. No. 565,638. WALTER G. LEGGE COMPANY, INC., New York, N. Y. Filed Sept. 22, 1948.

SPIRCO

FOR CLEANSER FOR WOOD, CORK AND LINOLEUM.
Claims use since July 6, 1948.

Ser. No. 565,640. WALTER G. LEGGE COMPANY, INC., New York, N. Y. Filed Sept. 22, 1948.

TRAFCO

FOR CLEANSER FOR WOOD, CORK, AND LINOLEUM.
Claims use since June 4, 1948.

CLASS 5

ADHESIVES

Ser. No. 549,149. INDUSTRIAL TAPE CORPORATION, New Brunswick and North Brunswick Township, N. J. Filed Feb. 9, 1948.

BONDEX HOT IRON TAPE

The words "Hot Iron Tape" are disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 435,827.
FOR HEAT-REACTIVE ADHESIVE SHEETS, TAPES, AND APPLIQUES.
Claims use since Apr. 1, 1946.

Ser. No. 556,591. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed May 8, 1948. Under section 2f of the act of 1946.

SCOTCH

Applicant claims ownership of Registration No. 417,265.
FOR PRESSURE-SENSITIVE ADHESIVE COATED ABRASION RESISTANT SHEET MATERIAL FOR MAKING STENCILS USED IN SANDBLASTING.
Claims use since February 1933.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 519,153. HARVEY J. FISCHER, doing business under the firm and style name of Le Maire, Oak Park, Ill. Original filed Mar. 17, 1947, under the act of 1905; amended to application under act of 1946, Dec. 4, 1947. Under section 2f of the act of 1946.

Neoplasma

FOR FACIAL MASKING CREAM FOR CONDITIONING THE FACIAL TISSUES.
Claims use since Apr. 5, 1924.

Ser. No. 523,402. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Original filed June 2, 1947, under the act of 1905; amended to application under act of 1946, July 5, 1947.

Si-O-Lite

FOR SILICA GEL HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.
Claims use since May 23, 1947.

Ser. No. 526,208. CARLO ERBA, SOCIETA' ANONIMA, Milan, Italy. Original filed July 4, 1947, under the act of 1905; amended to application under act of 1946, Jan. 30, 1948. Under section 2f of the act of 1946.

CARLO ERBA MILANO

The exclusive use of the word "Milano" is disclaimed. The words "Carlo Erba" comprise the name of the deceased founder of applicant's business. Applicant claims ownership of Registrations Nos. 64,729, 76,787, 76,788, 77,455 (renewed); Italian Registration No. 7,754, dated Jan. 7, 1907.

FOR PREPARATIONS FOR ANAEMIA, ASTHENIA AND TONICS, PREPARATIONS FOR ARTHRITIS AND URIC ACIDS, PREPARATIONS FOR SYPHILIS, PREPARATIONS FOR NEURALGIA, RHEUMATISM, PREPARATIONS FOR DYSENTERY AND INTESTINE ANTISEPTICS, PREPARATIONS FOR TUBERCULOSIS, PREPARATIONS FOR COUGH, ASTHMA AND BRONCHITIS; CARDIOTONICS AND ANALEPTICS; CHEMIOTHERAPICS AND SULPHONAMIDES; PREPARATIONS FOR DIGESTIVE TROUBLES AND CHOLAGOGUES; PREPARATIONS FOR THYROID TROUBLES; SEDATIVES, HYPNOTICS AND ANTHALGICS; HYPOTHENSIVES AND ANTISTENOCARDICS; ORGANIC AND INORGANIC IODINE PREPARATIONS, RHADIOLOGIC EXAMINATION MEANS; PREPARATIONS FOR UTERUS AND OVARY TROUBLES; HORMONIC PREPARATIONS, HORMONIC EXTRACTS AND SYNTHETIC HORMONES; CALCIUM PREPARATIONS; VITAMINIC PREPARATIONS; VITAMINIC EXTRACTS AND SYNTHETIC VITAMINS; PREPARATIONS FOR SCAB; PREPARATIONS FOR URETHRAL DISEASE AND URINARY TROUBLES; PURGATIVE EXTRACTS AND SYNTHETIC PURGATIVES; TAMARIND EXTRACTS.

Claims use since 1894.

Ser. No. 530,395. GALEEN PRODUCTS CO., INC., New York, N. Y. Filed Aug. 4, 1947.

HYPO

FOR MOTH PREVENTATIVE AND INSECTICIDE.
Claims use since January 1930.

Ser. No. 537,961. ASSOCIATED PRODUCTS, INC., Chicago, Ill., assignor to Chen Yu, Inc., New York, N. Y., a corporation of New York. Filed Oct. 16, 1947.

Lucky Strike RED

Applicant disclaims the word "Red" apart from the mark as shown. The drawing is lined for the color red.
FOR LIPSTICK AND NAIL LACQUER.
Claims use since July 7, 1947.

Ser. No. 544,197. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Dec. 12, 1947.

Revlon Lastron

Applicant claims ownership of Registration No. 326,840.
FOR NAIL ENAMEL, LIPSTICK, FACE POWDER, CHEEK STICK, AND CAKE ROUGE.
Claims use since Oct. 30, 1946.

Ser. No. 551,719. MORTON PRODUCTS INC., Akron, Ohio. Filed Mar. 11, 1948.

ENCA

FOR HAND LOTION AND MEDICINAL PREPARATION FOR TREATMENT OF EXTERNALLY CAUSED SKIN ERUPTIONS.
Clamis use sluce Sept. 9, 1947.

Ser. No. 555,644. A/S M. AARSLEFF & Co., Copenhagen, Denmark. Filed Apr. 27, 1948.

ESPRIT DU ROI.

Priority claimed under section 44(d). Applicant claims ownership of Danish Registration No. 387—1948, dated Mar. 13, 1948.
FOR COLOGNE, TOILET WATER, HAIR LOTIONS, HAIR OILS, LIQUID PREPARATION FOR USE IN STRAIGHTENING HAIR, AND AFTER-SHAVE LOTION.

Ser. No. 555,656. DEXTER CHEMICAL CORPORATION, New York, N. Y. Filed Apr. 27, 1948.

STRODEX

FOR CHEMICAL LIQUID OR SOLID FOR USE AS A DETERGENT, WETTING AGENT, OR DYE ASSISTANT IN TREATING TEXTILES.
Claims use since Nov. 15, 1946.

Ser. No. 557,207. CARMINE PAULANTONIO, doing business as The Paul Laboratories, New York, N. Y. Filed May 17, 1948.

PAULDERMA

FOR ANTISEPTIC MEDICATED SKIN PREPARATION FOR RELIEF OF THE DISCOMFORTS OF ITCHING AND BURNING.
Claims use since Feb. 3, 1947.

Ser. No. 557,313. TILLIE SCHWARTS, New Haven, Conn. Filed May 18, 1948.

ADHEALAGE

FOR TONIC FOR RELIEF OF HEART TROUBLE AND DIABETES.
Claims use since Apr. 10, 1948.

Ser. No. 558,556. GERARD J. DANCO, INC., New York, N. Y. Filed June 5, 1948.

DANCO

FOR ESSENTIAL OILS FOR THE PREFUMERY TRADE, PHENYLETHYL ALCOHOL, AND RHODINOL.
Claims use since May 13, 1948.

Ser. No. 559,178. THE PURO CO., INC., St. Louis, Mo. Filed June 14, 1948.

Deod-o-Matic

FOR DEODORANT BLOCKS OF THE CHEMICAL TYPE AND DEODORIZERS OF THE CHEMICAL TYPE CONTAINING SUCH DEODORIZING BLOCKS.
Claims use since June 4, 1948.

Ser. No. 560,660. SANDOZ CHEMICAL WORKS, INC., New York, N. Y. Filed July 2, 1948.

XANTHERGINE

FOR PREPARATION RECOMMENDED FOR THE TREATMENT OF HEADACHES.
Claims use since June 9, 1948.

Ser. No. 561,126. LACLEDE LABORATORIES, INC., St. Louis, Mo. Filed July 10, 1948.

TOPI-FLUOR

FOR PREPARATION FOR APPLICATION TO THE TEETH TO PREVENT OR RETARD DECAY AND A SUBSTANCE FOR USE AFTER SUCH APPLICATION TO CONTROL THE PERIOD OF THERAPEUTIC ACTIVITY.
Claims use since June 11, 1948.

Ser. No. 562,262. DR. HESS & CLARK, INC., Ashland, Ohio. Filed July 27, 1948.

NFZ

FOR MEDICAL PREPARATION FOR THE PREVENTION AND CONTROL OF CECAL COCCIDIOSIS OF POULTRY.
Claims use since Feb. 17, 1948.

Ser. No. 562,263. DR. HESS & CLARK, INC., Ashland, Ohio. Filed July 27, 1948.

PŌL

FOR ESCHAROTIC PREPARATION FOR USE IN DEHORNING CALVES AND KIDS.
Claims use since July 23, 1946.

Ser. No. 563,981. POND'S EXTRACT COMPANY, New York, N. Y. Filed Mar. 19, 1948. Under secttion 2f of the act of 1946.

Cheeks

Applicant claims ownership of Registration No. 402,800.
FOR COSMETIC ROUGE.
Claims use since Nov. 25, 1941.

Ser. No. 566,228. HARTMAN-LEDDON COMPANY, INCORPORATED, Philadelphia, Pa. Filed Oct. 1, 1948.

H·S·R

FOR DRIED SYNTHETIC RESIN AND COMPOUNDS AND PREPARED TOLUENE AND/OR XYLENE SOLUTIONS FOR USE AS MICROSCOPIC MOUNTING MEDIA AND SOLUTIONS IN SUCH OTHER SOLVENTS AS MAY BE REQUIRED FOR THE SAME PURPOSE.
Claims use since Sept. 10, 1947.

Ser. No. 566,820. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Oct. 15, 1948.

SULFALIDINE

Applicant claims ownership of Registration No. 408,341.
FOR PREPARATION FOR INTERNAL USE FOR DISEASES IN THE DIGESTION CANAL.
Claims use since Oct. 11, 1948.

Ser. No. 566,945. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Oct. 13, 1948.

HISTADRINA

FOR MEDICINAL PREPARATION OF THENYLPYRAMINE AND EPHEDRINE HYDROCHLORIDE FOR USE IN THE TREATMENT OF ALLERGIC SYMPTOMS.
Claims use since Sept. 1, 1948.

Ser. No. 567,185. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Oct. 19, 1948.

ARGO

FOR CHEMICALS DERIVED FROM CORN—NAMELY, POLYSACCHARIDE, ZEIN, CALCIUM PHYTATE, AND INOSITOL.
Claims use on polysaccharide since Aug. 13, 1948; on zein since Aug. 25, 1948; on calcium phytate since Sept. 3, 1948; and on inositol since Oct. 1, 1948.

CLASS 7
CORDAGE

Ser. No. 570,248. CLEVELAND MILL AND POWER COMPANY, Lawndale, N. C. Filed Dec. 9, 1948.

BIG-BOY

FOR CLOTHES LINES SOLD IN BULK AND IN INDIVIDUAL LENGTHS.
Claims use since July 15, 1940.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 514,175. BRIDGEPORT FABRICS, INC., Bridgeport, Conn. Original filed Dec. 13, 1946, under the act of 1905; amended to application under act of 1946, Mar. 12, 1948. Under section 2f of the act of 1946.

BRIDGEPORT FABRICS

The word "Fabrics" is disclaimed.
FOR RUBBERIZED FABRIC WEATHER STRIPPING.
Claims use since 1920.

Ser. No. 539,191. OSCAR GEORGE MATTHEUS, doing business as O. G. Mattheus Co., Pensacola, Fla. Filed Oct. 27, 1947.



The word "Baths" is disclaimed apart from the mark. The portrait appearing on the drawing is a likeness of Eddie Eugene Day, whose consent has been made a part of this application.
FOR BATH UNIT CONTAINING TUB WITH SHOWER, COMMODE, LAVATORY, AND OTHER FIXTURES WHICH NORMALLY COMPRISE A COMPLETE BATHROOM, SAID UNIT BEING ASSEMBLED BEFOREHAND AND MOVED TO A PARTICULAR SITE.
Claims use since Jan. 15, 1947.

Ser. No. 541,943. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Nov. 21, 1947.

HILOSET

The syllable "Set" is disclaimed. Applicant claims ownership of Registration No. 381,868.
FOR FIRE BRICK MORTAR.
Claims use since Oct. 1, 1930.

Ser. No. 543,783. CHENEY INDUSTRIES, Trenton, N. J. Filed Dec. 9, 1947.

ALAMO

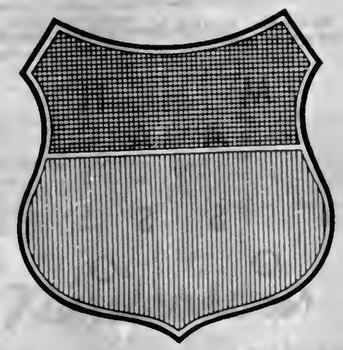
FOR ALUMINUM AND METAL CORRUGATED ROOFING USED IN THE BUILDING AND CONSTRUCTION INDUSTRIES.
Claims use since Nov. 25, 1947.

Ser. No. 544,376. PACIFIC IRON & STEEL CO., Los Angeles, Calif. Filed Dec. 15, 1947.



The representation of the framework of the building is disclaimed.
FOR STEEL INDUSTRIAL BUILDINGS.
Claims use since Jan. 1, 1947.

Ser. No. 545,342. CONGOLEUM-NAIRN, INC., Kearny, N. J. Filed Dec. 24, 1947.



The drawing is lined for the colors red and black. Applicant claims ownership of Registrations Nos. 247,213, 291,477, 299,946, 368,487, 368,488, and 369,035.
FOR PIGMENTED COMPOSITION TILES FOR INTERIOR FLOOR COVERINGS.
Claims use since July 15, 1947.

Ser. No. 552,439. THE COLOTRYM COMPANY, Seattle, Wash. Filed Mar. 19, 1948.

HANDI-TRYM

Applicant disclaims the notation "Trym" apart from the mark as shown.
FOR METALLIC MOLDING STRIPS AND TRIM ELEMENTS FOR USE IN CONNECTION WITH HARDBOARD AND OTHER SHEET-LIKE WALL COVERING.
Claims use since Jan. 1, 1947.

Ser. No. 555,930. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa. Filed Apr. 30, 1948.

ALCOR

Applicant claims ownership of Registration No. 269,083.
FOR FIRE-BRICK.
Claims use since Jan. 17, 1928.

Ser. No. 557,141. LEATHERTONE, INC., Boston, Mass. Filed May 15, 1948.

Wallco

FOR PLASTIC WALL TILE.
Claims use since May 5, 1948.

Ser. No. 558,154. NATIONAL TILEBOARD CORP., New York, N. Y., assignor to Roxdale Building Products Corporation, New York, N. Y., a corporation of New York. Filed May 29, 1948.

ROXDALE

FOR TILES AND TILEBOARD OF COMPOSITE FIBROUS MATERIALS AND OF METAL.
Claims use since Apr. 15, 1948.

Ser. No. 558,399. LEWIS & OWENS MANUFACTURING COMPANY, INC., Knoxville, Tenn. Filed June 3, 1948.

Duralite

FOR ALUMINUM WINDOW SASHES.
Claims use since Aug. 15, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 517,664. THE REPUBLIC STAMPING & ENAMELING COMPANY, Canton, Ohio. Original filed Feb. 17, 1947, under the act of 1905; amended to application under act of 1946, Apr. 12, 1948. Under section 2f of the act of 1946.

TRIPLE /// CHECK

FOR BASE METAL COOKING, KITCHEN, HOUSEHOLD AND HOSPITAL WARE—NAMELY, WASH BASINS, INFANTS' OVAL BATH BASINS, JUMBO BASINS, DOUBLE BOILERS AND COVERS, BOWLS, BATTER BOWLS, MIXING BOWLS, PORRIDGE BOWLS, CHAMBERS, CHAMBER COVERS, COFFEE POTS AND COVERS, COFFEE BOILERS AND COVERS, COLANDERS, COMBINETS AND COVERS, COOKERS AND STEAMERS AND COVERS, CUPS, DRINKING CUPS, OPEN HANDLE CUPS, CUSPIDORS, OVAL DISH PANS, ROUND DISH PANS, OBLONG VEGETABLE DISHES, OVAL FOOT TUBS, CONVEX KETTLES AND COVERS, TAPERED KETTLES AND RECESSED DOME COVERS, MILK KETTLES AND COVERS, PRESERVING KETTLES, PERCOLATORS AND INSETS AND SPREADERS THEREFOR, PITCHERS AND COVERS, PLATES, BABY PLATES, DINNER PLATES, SOUP PLATES, PIE PLATES, PLATTERS, OVAL MEAT PLATTERS, CONVEX POTS AND COVERS, STRAIGHT POTS AND COVERS, TAPERED POTS AND RECESSED DOME COVERS, PUDDING PANS, REFRIGERATOR PANS AND COVERS, REFRIGERATOR DISHES AND COVERS, RICE BOILERS AND COVERS, OVAL ROASTERS, SAUCERS, CONVEX SAUCE PANS AND COVERS, LIP SAUCE PANS, TAPERED SAUCE PANS AND RECESSED DOME COVERS, SINK STRAINERS AND COVERS, OBLONG STOVE PANS, TEA POTS, INDIVIDUAL TEA POTS, TEA KETTLES AND COVERS, TRAYS AND BUTCHER TRAYS.

Claims use since January 1941.

Ser. No. 517,667. THE REPUBLIC STAMPING & ENAMELING COMPANY, Canton, Ohio. Original filed Feb. 17, 1947, under the act of 1905; amended to application under act of 1946, Apr. 12, 1948.

REPUBLIC

FOR BASE METAL COOKING, KITCHEN, HOUSEHOLD AND HOSPITAL WARE—NAMELY, WASH BASINS, INFANTS' OVAL BATH BASINS, JUMBO BASINS, DOUBLE BOILERS AND COVERS, BOWLS, BATTER BOWLS, MIXING BOWLS, PORRIDGE BOWLS, CHAMBERS, CHAMBER COVERS, COFFEE POTS AND COVERS, COFFEE BOILERS AND COVERS, COLANDERS, COMBINETS AND COVERS, COOKERS AND STEAMERS AND COVERS, CUPS, DRINKING CUPS, OPEN HANDLE CUPS, CUSPIDORS, OVAL DISH PANS, ROUND DISH PANS, OBLONG VEGETABLE DISHES, OVAL FOOT TUBS, CONVEX KETTLES AND COVERS, TAPERED KETTLES AND RECESSED DOME COVERS, MILK KETTLES AND COVERS, PRESERVING KETTLES, PERCOLATORS AND INSETS AND SPREADERS THEREFOR, PITCHERS AND COVERS, PLATES, BABY PLATES, DINNER PLATES, SOUP PLATES, PIE PLATES, PLATTERS, OVAL MEAT PLATTERS, CONVEX POTS AND COVERS, STRAIGHT POTS AND COVERS, TAPERED POTS AND RECESSED DOME COVERS, PUDDING PANS, REFRIGERATOR PANS AND COVERS, REFRIGERATOR DISHES AND COVERS, RICE BOILERS AND COVERS, OVAL ROASTERS, SAUCERS, CONVEX SAUCE PANS AND COVERS, LIP SAUCE PANS, TAPERED SAUCE PANS AND RECESSED DOME COVERS, SINK STRAINERS AND COVERS, OBLONG STOVE PANS, TEA POTS, INDIVIDUAL TEA POTS, TEA KETTLES AND COVERS, TRAYS AND BUTCHER TRAYS.

Claims use since January 1941.

Ser. No. 519,734. COOK ELECTRIC COMPANY, Chicago, Ill. Original filed Mar. 25, 1947, under the act of 1905; amended to application under act of 1946, Mar. 30, 1948.

DIAPHLEX

FOR BELLOWS OF METAL.

Claims use since Sept. 1, 1946.

Ser. No. 549,816. HARRY E. MATSON, Los Angeles, Calif. Filed Feb. 16, 1948.

MATSON

FOR DOOR AND WALL RACK FOR HOLDING HATS COMPRISING A SINGLE METALLIC FRAMEWORK FOR ATTACHMENT TO A DOOR, WALL, OR SHELF TO SUPPORT A HAT THEREON.

Claims use since January 1948.

Ser. No. 554,156. RED DEVIL TOOLS, Irvington, N. J. Filed Apr. 8, 1948.

Red Devil

Applicant claims ownership of Registrations Nos. 144,940, 307,170, 335,645, and 409,316.

FOR METAL WASHERS AND LOCK WASHERS, LAWN SPRINKLERS, GLAZIER POINTS, AND WEDGES FOR TOOL HANDLES.

Claims use since Feb. 1, 1900, on metal washers and lock washers; since May 1, 1933, on lawn sprinklers; since Jan. 1, 1927, on glazier points; and since September 1937 on wedges for tool handles.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 566,210. CARNEGIE-ILLINOIS STEEL CORPORATION, Pittsburgh, Pa. Filed Oct. 1, 1948.

CARILLOY

FOR STEEL INGOTS, BLOOMS, SLABS, BILLETS, SHEETS, STRIPS, PLATES, BARS, STRUCTURAL SHAPES, AND SPECIAL BAR SECTIONS.

Claims use since October 1936.

Ser. No. 566,990. THE MIDVALE COMPANY, Philadelphia, Pa. Filed Oct. 14, 1948.

MIDVALE NO. 77

Applicant claims ownership of Registrations Nos. 274,656, 286,061, and others.

FOR OIL-HARDENING TOOL STEEL.

Claims use since Feb. 29, 1936.

CLASS 15

OILS AND GREASES

Ser. No. 487,139. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa., by change of name from Merco Nordstrom Valve Company. Original filed Aug. 14, 1945, under the act of 1905; amended to application under act of 1946, Dec. 1, 1947.

Nordcoseal

The word "Seal" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 349,221.

FOR VALVE LUBRICATING GREASES, LUBRICATING OILS AND SOLID LUBRICATING COMPOUNDS IN STICK OR BULK FORM.

Claims use since June 27, 1945.

Ser. No. 551,325. SINCLAIR REFINING COMPANY, New York, N. Y. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

LACLEDE

Applicant claims ownership of Registration No. 245,010.

FOR LUBRICATING OILS AND GREASES.

Claims use since Jan. 2, 1916.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 525,429. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Original filed July 1, 1947, under the act of 1905; amended to application under act of 1946, Feb. 26, 1948.



The drawing is lined to indicate the color red.

FOR PLUG, TWIST, AND SMOKING TOBACCO.

Claims use since June 1, 1885.

Ser. No. 525,436. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Original filed July 1, 1947, under the act of 1905; amended to application under act of 1946, Feb. 25, 1948.

CHEW FOOT PRINTS TOBACCO

Applicant disclaims the exclusive right to the use of the words "Chew" and "Tobacco" as shown.

FOR PLUG AND TWIST TOBACCO.

Claims use since Jan. 1, 1900.

Ser. No. 541,588. A. SENSENBRENNER SONS, Los Angeles, Calif. Filed Nov. 18, 1947.

SANTA FE



The portrait appearing on the drawing is fanciful.

Applicant claims ownership of Registrations Nos. 317,622, 276,498, 396,981, 276,494, 317,621, and 276,497.

FOR CIGARS.

Claims use since 1930.

Ser. No. 547,489. A. SENNEBRENNER SONS, Los Angeles, Calif. Filed Jan. 19, 1948.



The portrait appearing on the drawing is fanciful. Applicant claims ownership of Registrations Nos. 430,297 and 502,583.
FOR CIGARS.
Claims use since 1934.

Ser. No. 552,108. THE AMERICAN TOBACCO COMPANY, New York, N. Y. Filed Mar. 17, 1948.

MINERS AND PUDDLERS

FOR SMOKING TORACCO.
Claims use since 1879.

Ser. No. 553,094. FLEMING-HALL TOBACCO CO., INC., New York, N. Y. Filed Mar. 26, 1948.

GOLDEN LION



The drawing is lined for the color gold.
FOR CIGARETTES.
Claims use since Mar. 8, 1948.

Ser. No. 553,664. THE AMERICAN TOBACCO COMPANY, New York, N. Y. Filed Apr. 2, 1948.

GREENBACK

FOR SMOKING TOBACCO.
Claims use since July 1868.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 517,811. THE AMERICAN ROLLING MILL COMPANY, Middletown, Ohio, now by change of name Armco Steel Corporation. Original filed Feb. 20, 1947, under the act of 1905; amended to application under act of 1946, July 28, 1947. Under section 2f of the act of 1946.

CARLITE

FOR SILICON STEEL SHEET MATERIALS FOR MAGNETIC USES AND HAVING ELECTRICALLY INSULATIVE COATINGS.
Claims use since Feb. 3, 1947.

Ser. No. 524,932. ARMSTRONG CORK COMPANY, Lancaster, Pa. Original filed June 27, 1947, under the act of 1905; amended to application under act of 1946, Feb. 24, 1948. Under section 2f of the act of 1946.

ARMSTRONG A CORK COMPANY

FOR ELECTRICAL INSULATORS OF GLASS.
Claims use since Dec. 1, 1938.

Ser. No. 527,974. BURGESS BATTERY COMPANY, Chicago, Ill. Filed July 5, 1947.



The vertical lining on the mark as shown indicates red color.
FOR PORTABLE ELECTRIC ENGRAVING AND CUTTING IMPLEMENTS.
Claims use since 1941.

Ser. No. 540,545. THE MAGNAVOX COMPANY, Fort Wayne, Ind. Filed Nov. 8, 1947.

Traditional

FOR RADIO RECEIVING SETS AND RADIO PHONOGRAPH COMBINATION SETS.
Claims use since June 1, 1947.

Ser. No. 544,333. DAMON RECORDING STUDIOS, INC., Kansas City, Mo. Filed Dec. 15, 1947. Under section 2f of the act of 1946 as to "Damon."



The words "Recording Studios Inc." and the representation of the goods are disclaimed apart from the mark as shown in the drawing.
FOR MAGNETIC SOUND RECORDS OF THE DISC, TAPE, WIRE, AND FILM TYPE AND ELECTRIC SOUND RECORDING APPARATUS.
Claims use since 1933.

Ser. No. 546,062. SENTINEL RADIO CORPORATION, Evanston, Ill. Filed Jan. 2, 1948.

VOLTA

Applicant claims ownership of Registration No. 208,959.
FOR RADIO RECEIVING AND TRANSMITTING SETS AND PARTS THEREOF AND THEREFOR.
Claims use since Dec. 13, 1924.

Ser. No. 546,625. THE SUPERIOR MANUFACTURING COMPANY, Fitchburg, Mass. Filed Jan. 9, 1948. Under section 2f of the act of 1946.

Superior

Applicant claims ownership of Registration No. 223,524.
FOR INSULATED SADDLE STAPLES.
Claims use since Aug. 3, 1925.

Ser. No. 549,560. MCGILL MANUFACTURING COMPANY, INC., Valparaiso, Ind. Filed Feb. 12, 1948.

Levolier

Applicant claims ownership of Registrations Nos. 125,627 and 371,686.
FOR ELECTRIC SWITCH SOCKETS, ELECTRIC SWITCH PORCELAIN BRACKETS, AND OTHER ELECTRIC SWITCH MECHANISMS FOR DOMESTIC AND COMMERCIAL USES—NAMELY, LINK SWITCHES, FIXTURE SWITCHES, WALL SWITCHES, CANOPY SWITCHES, SINGLE CIRCUIT AND MULTI-CIRCUIT CONTROL SWITCHES.
Claims use since Aug. 30, 1918.

Ser. No. 549,776. AMERICAN BATTERY MFG. COMPANY, doing business as Century Battery Company, Kansas City, Mo., and Kansas City, Kans. Filed Feb. 16, 1948.

Century

FOR ELECTRIC STORAGE BATTERIES.
Claims use since 1938.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 536,650. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

UNIFORM

FOR SOFTBALLS.
Claims use since 1938.

Ser. No. 538,669. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Oct. 22, 1947.

SPEED-WIN

FOR TENNIS RACKETS, BADMINTON RACKETS, SQUASH RACKETS, AND TABLE TENNIS BATS.
Claims use since 1930.

Ser. No. 557,048. RICHARD G. KRUBORR, INCORPORATED, New York, N. Y. Filed May 14, 1948.

BUTTON BUDDY

The word "Button" is disclaimed apart from the mark.
Applicant claims ownership of Registration No. 405,154.
FOR STUFFED TOYS—NAMELY, STUFFED DOLLS AND ANIMALS.
Claims use since June 21, 1948.

Ser. No. 557,057. LALLA MAPLES, Granville, N. Y. Filed May 14, 1948.

DIMIJA

FOR CARD GAME.
Claims use since Apr. 23, 1948.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.

Ser. No. 512,186. McDOWELL MANUFACTURING COMPANY, Millvale, Pa. Original filed Nov. 7, 1946, under the act of 1905; amended to application under act of 1946, Feb. 21, 1948.

DILVER

FOR HAND OPERATED PRESSES FOR THE EXTRACTION OF FRUIT AND VEGETABLE JUICES, AND USED AS A SIEVE, COLANDER, AND RICER.
Claims use since 1910.

Ser. No. 520,278. J. P. HONE CORPORATION, Youngstown, Ohio. Original filed Apr. 7, 1947, under the act of 1905; amended to application under act of 1946, July 28, 1947. Under section 2f of the act of 1946.

J.P.

FOR HONING MACHINES AND PARTS THEREOF.
Claims use since Apr. 2, 1943.

Ser. No. 522,835. BEACON DEVICES, North Tonawanda, N. Y. Original filed May 22, 1947, under the act of 1905; amended to application under act of 1946, Feb. 20, 1948.

BEACON

Applicant claims ownership of Registration No. 228,854.
FOR METAL FLASKS FOR HOLDING COMPRESSED GASES AND PROVIDED WITH AN ASSOCIATED CONTROLLING VALVE FOR REGULATING THE DISCHARGE OF THE GAS, SUCH FLASKS AND THE CONTROLLING VALVES CONSTITUTING DEVICES FOR USE IN THE INFLATION OF TIRES AND ALSO FOR USE IN EXTINGUISHING FIRES.
Claims use since Aug. 7, 1926.

Ser. No. 530,863. SMITH ENGINEERING WORKS, Milwaukee, Wis. Filed Aug. 8, 1947.

TELSMITH

FOR ROCK, ORE, SAND AND GRAVEL HANDLING EQUIPMENT—NAMELY, GYRATORY, JAW AND ROLL CRUSHERS AND BREAKERS; VIBRATORY AND ROTARY SCREENS AND GRIZZLIES; WASHERS, SCRUBBERS AND CLASSIFIERS; BELT, CHAIN, BUCKET, FLIGHT AND SCREW CONVEYORS AND ELEVATORS; AND BIN GATES AND PLATE, APRON AND SCREW FEEDERS.
Claims use since Jan. 1, 1912.

Ser. No. 532,408. TWIN DISK CLUTCH COMPANY, Racine, Wis. Filed Aug. 16, 1947. Under section 2f of the act of 1946.

TWIN DISC

Applicant claims ownership of Registrations Nos. 240,524, 389,134, and 390,561.
FOR CLUTCHES, POWER TAKE-OFF UNITS, REDUCTION GEAR UNITS, MARINE REVERSE GEARS, HYDRAULIC TORQUE CONVERTERS, AND HYDRAULIC COUPLINGS.
Claims use on clutches since Feb. 10, 1927; on power take-off units and reduction gear units since Jan. 1, 1928; on marine reverse gears since Dec. 30, 1937; on hydraulic torque converters since Sept. 26, 1938; and on hydraulic couplings since Aug. 7, 1939.

Ser. No. 534,212. J. H. WILLIAMS & Co., Buffalo, N. Y. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

MEASURRENCH

Applicant claims ownership of Registration No. 370,819.
FOR WRENCHES, WRENCH SETS, WRENCH SOCKETS, AND TOOL HANDLES.
Claims use since July 15, 1938.

Ser. No. 534,358. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Sept. 11, 1947.



Applicant claims ownership of Registrations Nos. 428,477, 428,478, and 428,699.
FOR WOOD WORKING MACHINES CONSISTING OF ROUTING AND BORING MACHINES, LATHES, CIRCULAR SAWS, SCROLL SAWS, BAND SAWS, JOINTERS, SANDERS; SAFETY SHIELDS FOR USE AS ATTACHMENTS FOR ABRASIVE GRINDING MACHINES, SAW TABLES; POWER TOOLS FOR BORING, SAWING, SHAPING, AND SURFACE FINISHING WOOD, METAL, AND OTHER MATERIALS, INCLUDING WOOD TURNING CHISELS; WORK HOLDING ATTACHMENTS FOR GRINDING MACHINES; GRINDERS WITH RECIPROCATORY BEDS; ADJUSTABLE WORK HEADS FOR MACHINE TOOLS; MACHINE TOOLS—NAMELY, DRILL PRESSES; PLANERS, SAW TABLE MACHINES, SHAPERS, CUT-OFF MACHINES, DISK GRINDERS FOR WOOD AND METAL, HOLLOW-CHISEL, MORTICERS, WOOD AND METAL WORKING LATHES; CARTONING MACHINES—NAMELY, MACHINES FOR ERECTING, FILLING, AND CLOSING CARTONS; POWER PRESSES, BENCH PRESSES, PUNCHING PRESSES, DOUBLE ACTION PRESSES, ARCH PRESSES, REDUCING PRESSES, THREAD ROLLING MACHINES, ROLL FEEDS AND DIAL FEEDS; FOUNDRY MOLDING MACHINERY—NAMELY, CORE MOLDING MACHINES, JOLTERS, AND COMPONENT PARTS THEREOF; PLANER BASE, JOINER PEDESTAL, JOINER FRAME, SAW-FRAME, SHAPER PEDESTAL, DISC SANDER PEDESTAL, LATHE FRAME; HOLLOW CHISEL MORTICER FRAME; COFFEE MILLS; AND COMPONENT PARTS THEREOF.
Claims use since Dec. 13, 1945.

Ser. No. 534,560. THE ALDEN SPEARE'S SONS CO., Cambridge, Mass. Filed Sept. 18, 1947.

ROBO

FOR KNIFE SHARPENING MACHINES.
Claims use since Sept. 9, 1947.

Ser. No. 536,627. THE NATIONAL TELEPHONE SUPPLY COMPANY, Cleveland, Ohio. Filed Oct. 3, 1947.

NICOPRESS

Applicant claims ownership of Registrations Nos. 378,901 and 378,905.
FOR COMPRESSION TOOLS FOR COMPRESSING WIRE CONNECTING AND TERMINATING SLEEVES UPON A WIRE, THE TERM WIRE INCLUDING SINGLE OR MULTIPLE STRANDED WIRES, CABLE WIRES, ROPE WIRES, AND THE LIKE.
Claims use since Jan. 25, 1934.

Ser. No. 536,708. THE NATIONAL TELEPHONE SUPPLY COMPANY, Cleveland, Ohio. Filed Oct. 3, 1947.

Nicopress

Applicant claims ownership of Registrations Nos. 378,901 and 378,905.
FOR COMPRESSION TOOLS FOR COMPRESSING WIRE CONNECTING AND TERMINATING SLEEVES UPON A WIRE, THE TERM WIRE INCLUDING SINGLE OR MULTIPLE STRANDED WIRES, CABLE WIRES, ROPE WIRES, AND THE LIKE.
Claims use since Jan. 25, 1934.

Ser. No. 545,944. L. O. BRAND TOOL COMPANY, Lancaster, Pa. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

LAWRENCE

FOR REAMERS, BUSHING REMOVERS AND INSERTERS, PISTONS, PISTON PINS, VALVE GRINDERS, REAMER DRIVE MACHINES, RIDGE REAMERS, AXLE, WHEEL AND BEARING PULLERS, PISTON PIN REMOVERS, COMBINED REAMERS AND BUSHING DRIVERS, VALVE RESEATING TOOLS, STEEL MANDRELS AND MAT AND GASKET CUTTERS.
Claims use since May 1936.

Ser. No. 546,506. RED DEVIL TOOLS, Irvington, N. J. Filed Jan. 9, 1948.

Red Devil

Applicant claims ownership of Registrations Nos. 169,874, 298,461, 337,409, 376,308, and 380,327.
FOR NON-ELECTRIC FLOOR POLISHERS AND METALWORKING AND WOODWORKING LATHES.
Claims use since July 1, 1947.

Ser. No. 547,076. VITAL PRODUCTS MANUFACTURING COMPANY, Cleveland, Ohio. Filed Jan. 14, 1948.

Calkmaster

FOR CAULKING GUNS.
Claims use since Jan. 2, 1948.

Ser. No. 547,300. VITAL PRODUCTS MANUFACTURING COMPANY, Cleveland, Ohio. Filed Jan. 16, 1948.

Vital-Calker

The word "Calker" is disclaimed apart from the mark.
FOR CAULKING GUNS.
Claims use since Jan. 7, 1948.

Ser. No. 547,302. VITAL PRODUCTS MANUFACTURING COMPANY, Cleveland, Ohio. Filed Jan. 16, 1948.

VITAL-SWEEPER

No claim is made for the word "Sweeper" apart from the mark "Vital-Sweeper."
FOR CARPET SWEEPER.
Claims use since Jan. 12, 1948.

Ser. No. 547,869. JOHN OSTER MANUFACTURING COMPANY, Racine, Wis. Filed Jan. 23, 1948.

KRU-KUT

The word "Kut" is disclaimed.
FOR HAIR CLIPPERS, BOTH ELECTRICALLY AND HAND OPERATED, AND PARTS THEREOF.
Claims use since Oct. 31, 1947.

Ser. No. 549,737. CLIPPER MANUFACTURING COMPANY, Kansas City, Mo. Filed Feb. 16, 1948.

Clipper Hoist

The words "Hoist" and "Sails Right Thru" are disclaimed. The drawing is lined to indicate the colors yellow and orange.

FOR POWER AND HAND DRIVEN HOISTS AND DERRICKS.

Claims use since Sept. 4, 1940.

Ser. No. 549,845. IRENE SAEMANN, doing business as Lake City Machine Shop, Mentone, Ind., assignor, by mesne assignments, to Frank Manufacturing Co., Inc., Mentone, Ind., a corporation of Indiana. Filed Feb. 16, 1948.

COVERALL

FOR COULTERS DESIGNED FOR USE ON BREAKING PLOWS.

Claims use since Oct. 10, 1946.

Ser. No. 550,076. SCOTTDEL, INC., Swanton, Ohio. Filed Feb. 18, 1948.

SCOTTDEL

FOR CORN SHELLERS, FEED MIXERS, AND GRAIN CONVEYORS.

Claims use since Sept. 1, 1945.

Ser. No. 550,476. AMERICAN SAW MILL MACHINERY COMPANY, Hackettstown, N. J. Filed Feb. 25, 1948.

SET-A-MATIC

No claim is made herein to the word "Set" apart from the mark "Set-A-Matic."

FOR SAW MILLS.

Claims use since Aug. 7, 1947.

Ser. No. 550,561. SIGNODE STEEL STRAPPING COMPANY, Chicago, Ill. Filed Feb. 25, 1948.

SIGNODE SYSTEM

The word "System" is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 116,691, 116,692, 116,862, 116,863, 116,624, 397,726, and 399,088.

FOR STRETCHING OR TENSIONING TOOLS, SEALING TOOLS, STRAPPING MACHINES, REELS, HOLDERS AND COIL BOXES FOR PACKAGE BUNDLE AND LOAD BINDING STRAPPING; CUTTERS FOR STRAPPING; AUTOMATIC MACHINES FOR BINDING PACKAGES AND BUNDLES WITH STRAPPING; STAPLING TOOLS.

Claims use since June 20, 1947.

Ser. No. 550,987. THE AMERICAN LAUNDRY MACHINERY COMPANY, Cincinnati, Ohio. Filed Mar. 2, 1948.

TAHARA

FOR BURNISHING MACHINES.

Claims use since 1915.

Ser. No. 551,718. MCCROSKY TOOL CORPORATION, Meadville, Pa. Filed Mar. 11, 1948.

WIZARD

Applicant claims ownership of Registration No. 142,597.

FOR CHUCKS AND COLLETS.

Claims use since Aug. 1, 1908.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 535,371. THE AMERICAN LAUNDRY MACHINERY COMPANY, Cincinnati, Ohio. Filed Sept. 23, 1947.

NOEX

FOR DRY-CLEANING MECHANISM AND APPARATUS—NAMELY, DRY-CLEANING WASHERS, DRYING TUMBLERS, AND EXTRACTORS, AND FILTERS AND STILLS FOR USE AS A PART OF DRY-CLEANING APPARATUS, AND PARTS THEREOF.

Claims use since April 1942.

Ser. No. 536,023. WIL-STAN PRODUCTS COMPANY, Akron, Ohio. Filed Sept. 27, 1947.

WIL-STAN

FOR IRON STORAGE HOLDERS FOR FLAT IRONS.

Claims use since May 13, 1947.

CLASS 25

LOCKS AND SAFES

Ser. No. 550,910. GATE-WAY, INC., Los Angeles, Calif. Filed Mar. 1, 1948.

KWIKSET

FOR DOORLOCKS.

Claims use since Mar. 25, 1948.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 510,282. L. C. SMITH & CORONA TYPEWRITERS, INC., Syracuse, N. Y. Original filed Oct. 4, 1946, under the act of 1905; amended to application under act of 1946, Oct. 17, 1947.

Smith-Corona

The surname "Smith" is disclaimed apart from the mark as shown. Applicant claims ownership of Registrations Nos. 86,343, 205,066, 224,784, and 286,004.

FOR ADDING MACHINES, CASHIERS (MACHINES COMBINING AN ADDING MACHINE AND A CASH DRAWER), AND PARTS THEREOF.

Claims use since June 25, 1945, on adding machines; and since Mar. 30, 1946, on cashiers.

Ser. No. 515,247. B. C. AMES CO., Waltham, Mass. Original filed Jan. 4, 1947, under the act of 1905; amended to application under act of 1946, June 22, 1948. Under section 2f of the act of 1946.

AMES

FOR DIAL MICROMETER GAUGES, DIAL MICROMETER INDICATORS, DIAL COMPARATORS, CYLINDER GAUGES, AND HARDNESS TESTERS, THE LATTER FOR DETERMINING THE PHYSICAL HARDNESS OR COMPRESSIBILITY OF SOLID MATERIALS BY APPLYING THERETO A PRESSURE EXERTING INSTRUMENTALITY.

Claims use since 1910.

Ser. No. 535,792. BURRELL TECHNICAL SUPPLY COMPANY, Pittsburgh, Pa. Filed Sept. 26, 1947.

INDUSTRO

FOR PORTABLE APPARATUS FOR ANALYZING FLUE GASES, BLAST FURNACE GAS, HEAT TREATING FURNACE ATMOSPHERES, AND THE LIKE.

Claims use since Sept. 1, 1941.

Ser. No. 552,750. COUTANT & MATHOT, Paris, France. Filed Mar. 23, 1948.

CAMÉ

Applicant claims ownership of French Registration No. 378,974, dated July 9, 1947.

FOR CAMERAS AND PROJECTORS FOR MOTION PICTURE AND STILL PICTURE PHOTOGRAPHY AND PARTS THEREOF.

Ser. No. 552,959. DUNCAN METER CORPORATION, Chicago, Ill., now by change of name Duncan Parking Meter Corporation, a corporation of Illinois. Filed Mar. 25, 1948.

The Automaton

FOR PARKING METERS.

Claims use since Nov. 17, 1947.

Ser. No. 560,982. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed July 9, 1948.

FUN

FOR SUN GLASSES.

Claims use since May 28, 1948.

Ser. No. 560,963. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed July 9, 1948.

jauntee

FOR SPECTACLE FRAMES AND MOUNTINGS.

Claims use since July 1, 1946.

Ser. No. 561,585. THE FREDERICK POST COMPANY, Chicago, Ill. Filed July 16, 1948.

TRICON

FOR DRAFTSMAN'S TRIANGULAR SCALE.
Claims use since Jan. 9, 1948.

Ser. No. 562,429. ABRAHAM & STRAUS, INC., Brooklyn, N. Y. Filed July 29, 1948. Under section 2f of the act of 1946.

Biltwell

Applicant claims ownership of Registration No. 307,076.
FOR BATH ROOM SCALES.
Claims use since March 1931.

Ser. No. 562,540. CLARY MULTIPLIER CORPORATION, Los Angeles, Calif. Filed July 30, 1948.

cadet

FOR ADDING MACHINES.
Claims use since July 6, 1948.

Ser. No. 562,690. CHARLES FOSTER & CO., INC., New York, N. Y. Filed Aug. 3, 1948.

HIGHLANDER

FOR OPTICAL GOODS—NAMELY, SPECTACLES, GOGGLES, LENSES FOR SUN GLASSES AND GLASSES, FRAMES, MOUNTINGS, AND PARTS THEREOF.
Claims use since Aug. 7, 1947.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 523,759. BULOVA WATCH COMPANY, INC., New York, N. Y. Original filed June 7, 1947, under the act of 1905; amended to application under act of 1946, June 8, 1948. Under section 2f of the act of 1946.

Lady Springfield

The name "Lady Springfield" is merely fictitious.
FOR MEN'S AND LADIES' WATCHES.
Claims use since Nov. 18, 1919.

Ser. No. 523,763. BULOVA WATCH COMPANY, INC., New York, N. Y. Original filed June 7, 1947, under the act of 1905; amended to application under act of 1946, June 8, 1948. Under section 2f of the act of 1946.

Lord Springfield

The name "Lord Springfield" is merely fictitious.
FOR MEN'S AND LADIES' WATCHES.
Claims use since Nov. 18, 1919.

Ser. No. 523,789. MONTRES NOVA, BIEDERMANN FRERES S. A., Neuveville, Switzerland. Original filed June 7, 1947, under the act of 1905; amended to application under act of 1946, Jan. 24, 1948.

NOVAMATIC

Applicant claims ownership of Swiss Registration No. 119,018, dated Jan. 10, 1947, and United States Registration No. 439,712.
FOR WATCHES AND PARTS THEREOF.

Ser. No. 534,076. L. ADELS COMPANY, New York, N. Y., assignor to Winton Watch Company, Inc., New York, N. Y. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

WINTON

Applicant claims ownership of Registrations Nos. 166,999, 199,071, and 199,072.
FOR WATCHES, WATCH CASES, WATCH MOVEMENTS, AND PARTS THEREOF.
Claims use since May 1, 1919.

Ser. No. 534,077. L. ADELS COMPANY, New York, N. Y., assignor to Winton Watch Company, Inc., New York, N. Y. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

ELBON

Applicant claims ownership of Registration No. 244,470.
FOR WATCHES, WATCH CASES, WATCH MOVEMENTS, AND PARTS THEREOF.
Claims use since Jan. 1, 1927.

Ser. No. 550,824. NUTONE, INC., Chicago, Ill. Filed Feb. 28, 1948. Under section 2f of the act of 1946.

NUTONE

FOR CLOCKS.
Claims use since May 1940.

Ser. No. 556,303. PAUL WYLER, New York, N. Y. Filed May 5, 1948. Under section 2f of the act of 1946.

Wyler
incaflex

Applicant claims ownership of Registrations Nos. 350,845, 420,780, and 417,664.
FOR WATCHES CASED AND UNCASED.
Claims use since Apr. 20, 1937.

Ser. No. 556,328. FABRIQUE D'HORLOGERIE RAYVILLE S. A. (Rayville Watch Manufacturing Co. Ltd.), Berne, Switzerland. Filed May 6, 1948.

Rayville

Right of priority under Section 44d is claimed. Applicant claims ownership of Swiss Registration No. 123,124, dated Dec. 10, 1947.
FOR WATCHES AND PARTS OF WATCHES.

Ser. No. 558,157. OLLENDORFF WATCH CO. INC., New York, N. Y. Filed May 29, 1948.



The word "Gotham" is disclaimed. Applicant claims ownership of Registrations Nos. 285,938, 431,192, and 431,193.
FOR WATCHES AND CLOCKS.
Claims use since Jan. 5, 1948.

Ser. No. 558,159. OLLENDORFF WATCH CO. INC., New York, N. Y. Filed May 29, 1948.

GOTHAM
GOTHAMATIC

The word "Gotham" is disclaimed. Applicant claims ownership of Registration No. 431,192.
FOR WATCHES AND CLOCKS.
Claims use since Jan. 5, 1948.

Ser. No. 558,160. OLLENDORFF WATCH CO., INC., New York, N. Y. Filed May 29, 1948.

GOTHAM
GOTHAMETER

The word "Gotham" is disclaimed. Applicant claims ownership of Registration No. 431,192.
FOR WATCHES AND CLOCKS.
Claims use since Jan. 5, 1948.

Ser. No. 558,993. THE BALL COMPANY, Chicago, Ill. Filed June 11, 1948.

Garland

Applicant claims ownership of Registration No. 405,356.
FOR WATCHES, WATCH MOVEMENTS, AND PARTS OF WATCHES.
Claims use since June 30, 1922.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 485,445. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn., by change of name from International Silver Company. Original filed July 4, 1945, under the act of 1905; amended to application under act of 1946, Dec. 2, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of Registrations Nos. 165,269, 183,369, 296,358, 299,410, 316,810, and 355,124.
FOR SILVERPLATED HOLLOW-WARE FOR TABLE USE.
Claims use since 1921.

Ser. No. 542,930. GRANAT BROS., INC., San Francisco, Calif. Filed Dec. 2, 1947.

Two Become One

FOR FINGER RINGS.
Claims use since Aug. 1, 1947.

Ser. No. 545,686. BARDACH BROS. INC., Indianapolis, Ind. Filed Dec. 30, 1947.



FOR JEWELRY, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS.
Claims use since Jan. 2, 1947.

Ser. No. 548,437. THE WECHTER COMPANY, Chicago, Ill. Filed Jan. 30, 1948.

Rembrandt

FOR FINGER RINGS.
Claims use since Dec. 1, 1947.

Ser. No. 553,122. MORRIS, MANN & REILLY, INC., Chicago, Ill. Filed Mar. 26, 1948.

PANDORA

FOR LINK-MESH BAGS, MADE OF OR PLATED WITH PRECIOUS METAL AND BAGS WITH FRAMES, HANDLES AND TRIM MADE OF OR PLATED WITH PRECIOUS METAL; JEWEL BOXES, JEWEL CASES, COMPACTS, POWDER BOXES, COMBINATION COMPACTS CAPABLE OF HOLDING COINS, COIN BOXES WITH A COMPARTMENT ADJACENT WHICH HOLDS BILLS, BILL CASES, CIGARETTE CASES, FITTED TRAVELLING CASES AND DRESSING TABLE ACCESSORIES, ALL MADE OF PRECIOUS METAL; AND BOXES AND CASES FOR HOLDING PLAYING CARDS AND BOXES AND CASES FOR HOLDING PERSONAL CARDS MADE OF PRECIOUS METAL.
Claims use since Spring of 1914.

Ser. No. 557,112. C. N. CHAMBERS, Anderson, Ind. Filed May 15, 1948.

ARA

FOR JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, EARRINGS, NECKLACES, BRACELETS, AND LAPEL PINS.
Claims use since Mar. 15, 1948.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 542,231. O-CEDAR CORP'N, Chicago, Ill. Filed Aug. 16, 1947.

CEDARINE

Applicant claims ownership of Registration No. 310,897.
FOR MOPS AND DUSTERS.
Claims use since Nov. 25, 1932.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 518,260. W. L. STENGGAARD AND ASSOCIATES, INC., Chicago, Ill. Original filed Feb. 27, 1947, under the act of 1905; amended to application under act of 1946, Dec. 12, 1947.

SEE ALL

FOR TRANSPARENT PLASTIC CABINETS AND DISPLAY DEVICES—NAMELY, TRANSPARENT PLASTIC SHELVES, BACKGROUNDS, PEDESTALS, CURVED ORNAMENTAL PIECES, HAT RACKS, WALL PLAQUES, TABLES, STANDS, BOWLS, AND FLOWER HOLDERS.
Claims use since Dec. 23, 1946.

Ser. No. 536,787. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

CAMBRO

Applicant claims ownership of Registration No. 214,737.
FOR WINDOW SHADES.
Claims use since 1906.

Ser. No. 536,788. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

IVANHOE

Applicant claims ownership of Registration No. 251,478.
FOR WINDOW SHADES.
Claims use since 1916.

Ser. No. 537,564. CLOPAY CORPORATION, Cincinnati, Ohio. Filed Oct. 11, 1947.

PLASTI-FIBRE

No claim is made to the word "Fibre" separate and apart from the mark as shown.
FOR WINDOW SHADE ROLLERS AND VENETIAN BLIND SLATS.
Claims use since Aug. 1, 1947.

CLASS 33

GLASSWARE

Ser. No. 527,951. THE FEDERAL GLASS COMPANY, Columbus, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

HI-BRIGHT

FOR GLASS TUMBLERS.
Claims use since Apr. 1, 1942.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 507,338. GEORGE C. PLUMLEY, trading and doing business as Quietaire Company, Houston, Tex. Original filed Aug. 13, 1946, under the act of 1905; amended to application under act of 1946, July 5, 1947. Under section 2f of the act of 1946.

Quietaire

FOR VENTILATING FANS.
Claims use since Mar. 1, 1937.

Ser. No. 535,099. THATCHER FURNACE COMPANY, Garwood, N. J. Filed Sept. 19, 1947.

COMFORTMASTER

FOR OIL, GAS, AND COAL FIRED AIR CONDITIONING UNITS.
Claims use since May 1, 1937.

Ser. No. 558,301. HESCO CORPORATION, Cleveland, Ohio. Filed June 2, 1948.



FOR WATER HEATERS, BOILERS, FURNACES, STOKERS, OIL BURNERS, AND GAS BURNERS.
Claims use since Nov. 14, 1947.

Ser. No. 558,302. HESCO CORPORATION, Cleveland, Ohio. Filed June 2, 1948.

HESCO

FOR WATER HEATERS, BOILERS, FURNACES, STOKERS, OIL BURNERS, AND GAS BURNERS.
Claims use since Nov. 14, 1947.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 509,595. PERFECT CIRCLE CORPORATION, Hagerstown, Ind., by change of name from The Perfect Circle Company. Original filed Sept. 23, 1946, under the act of 1905; amended to application under act of 1946, Sept. 24, 1947. Under section 2f of the act of 1946 as to "Perfect Circle."

PERFECT CIRCLE Taper Shim

Applicant disclaims the words "Taper Shim" apart from the mark as shown. Applicant claims ownership of Registrations Nos. 317,614 and 403,445.
FOR BEARING ADJUSTERS, IN THE FORM OF SHIMS.
Claims use since Oct. 3, 1921, as to "Perfect Circle"; and since Sept. 5, 1946, to the mark as shown.

Ser. No. 549,602. THE AMERICAN PULLEY COMPANY, Philadelphia, Pa. Filed Feb. 13, 1948. Under section 2f of the act of 1946.

WEDGBELT

Applicant claims ownership of Registration No. 322,640.
FOR FLEXIBLE DRIVE BELTS FOR GROOVED PULLEYS.
Claims use since 1935.

Ser. No. 562,941. KOPPERS COMPANY, INC., Baltimore, Md., and Pittsburgh, Pa. Filed Aug. 6, 1948. Under section 2f of the act of 1946 as to "Koppers."

KOPPERS

FOR PISTON RINGS.
Claims use since June 17, 1948.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 488,868. BOOSEY & HAWKES LIMITED, London, England. Original filed Sept. 24, 1945, act of 1905; amended to application under act of 1946, Sept. 2, 1947.

GOLDEN STRAD

Applicant claims ownership of British Registration No. 868,139 dated June 25, 1915.
FOR STRINGS FOR MUSICAL INSTRUMENTS.

Ser. No. 556,375. BOB SAPPER, doing business as Tru-Blue Record Co., New York, N. Y. Filed May 6, 1948.

TRU-BLUE

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS OF THE DISC TYPE.
Claims use since Apr. 14, 1948.

CLASS 37

PAPER AND STATIONERY

Ser. No. 521,315. BIB-EX CORPORATION, St. Louis, Mo. Original filed Apr. 25, 1947, under the act of 1905; amended to application under act of 1946, Apr. 8, 1948.

Bib-ex

The word "Bib" is disclaimed apart from the mark.
FOR DISPOSABLE BABY BIBS FABRICATED OF PAPER.
Claims use since Apr. 16, 1947.

Ser. No. 524,177. A. W. FABER-CASTELL PENCIL CO., INC., Newark, N. J. Original filed June 14, 1947, under the act of 1905; amended to application under act of 1946, Oct. 25, 1947.

SAPHIR

FOR ERASERS, PENCILS, CRAYONS, RUBBER BANDS, PEN HOLDERS, PEN POINTS, AND FOUNTAIN PENS.
Claims use since February 1931.

Ser. No. 527,641. VALLEY PAPER COMPANY, Holyoke, Mass. Filed July 5, 1947. Under section 2f of the act of 1946.

MATCHLESS

FOR WRITING, TYPEWRITER, AND PRINTING PAPER.
Claims use since 1890.

Ser. No. 527,659. VALLEY PAPER COMPANY, Holyoke, Mass. Filed July 5, 1947.



The word "Bond" is disclaimed apart from the mark shown.
FOR WRITING, TYPEWRITER, AND PRINTING PAPER.
Claims use since 1931.

Ser. No. 531,834. PORT HURON SULPHITE & PAPER CO., Port Huron, Mich. Filed Aug. 19, 1947.

Huronette

FOR MILL STOCK PAPER OTHER THAN BUILDING PAPER AND PRODUCTS TREREOF—NAMELY, MILL STOCK COVERS, BLANK TAGS, BLANK TICKETS, PRINTING BRISTOLS, FANCY PRINTED COVERS, AND SOILPROOF COVERS.
Claims use since 1936.

Ser. No. 532,773. UARCO INCORPORATED, Chicago, Ill. Filed Aug. 28, 1947. Under section 2f of the act of 1946.

MULTI-LINKT

Applicant claims ownership of Registration No. 348,746.
FOR STRIP OF CONTINUOUS FORM STATIONERY PROVIDED WITH SUPERPOSED PACKETS OF FORMS HAVING INTERLEAVED CARBON SHEETS.
Claims use since September 1935.

Ser. No. 532,954. THE MUNISING PAPER COMPANY, Chicago, Ill. Filed Aug. 30, 1947. Under section 2f of the act of 1946.

SEALTITE

Applicant claims ownership of Registrations Nos. 393,624 and 115,102.
FOR WRAPPING PAPER.
Claims use since Sept. 25, 1940.

Ser. No. 535,634. SCHUYLKILL PAPER COMPANY, Philadelphia, Pa. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

SCHUYLKILL LINING PAPER

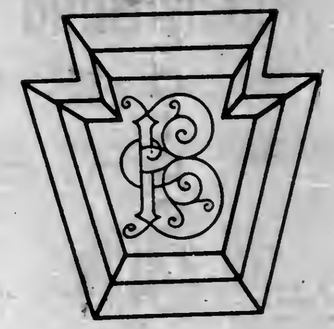
The words "Lining Paper" are disclaimed. Applicant claims ownership of Registration No. 263,183.
FOR END SHEET PAPER, END LEAF PAPER, AND BINDER'S WASTE.
Claims use since Mar. 12, 1927.

Ser. No. 537,801. KAROLTON ENVELOPE COMPANY, Chicago, Ill. Filed Oct. 14, 1947.

CAROL CREST

FOR BLANK CARDS AND SHEETS SUITABLE FOR USE IN THE PRODUCTION OF PRINTED OR ENGRAVED SOCIAL AND COMMERCIAL ANNOUNCEMENTS, AND ENVELOPES THEREFOR.
Claims use since June 1944.

Ser. No. 538,691. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed Oct. 22, 1947.



Applicant claims ownership of Registrations Nos. 71,108, 74,905, and 78,675.
FOR PAPER TABLETS; LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED; LOOSE PAPER FOR DRAWING OR OTHER ART PURPOSES PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED; INDEX CARDS OR GUIDES; AND SCRAP BOOKS, PHOTOGRAPH OR AUTOGRAPH ALBUMS, AND REFILLS THEREFOR.
Claims use since Feb. 24, 1905.

Ser. No. 541,843. GEORGE B. HURD, INC., New York, N. Y. Filed Nov. 20, 1947.

Manor Vellum

FOR WRITING PAPER AND ENVELOPES.
Claims use since January 1934.

Ser. No. 541,845. GEORGE B. HURD, INC., New York, N. Y. Filed Nov. 20, 1947. Under section 2f of the act of 1946.

DERRY LAID

The word "Laid" is disclaimed apart from the mark as shown.
FOR WRITING PAPER AND ENVELOPES.
Claims use since 1921.

Ser. No. 547,612. BROWN & BIGELOW, St. Paul, Minn. Filed Jan. 21, 1948.

Redipen

FOR WRITING INSTRUMENTS—NAMELY, FOUNTAIN PENS AND BALL POINT PENS.
Claims use since July 15, 1945.

Ser. No. 548,331. COAST ENVELOPE COMPANY, Los Angeles, Calif. Filed Jan. 30, 1948. Under section 2f of the act of 1946.

BILT-RITE

FOR BANK CHECK COVERS, BANK PASSBOOKS, AND BOOK COVERS.
Claims use since Dec. 15, 1922.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 511,154. HUGHES TOOL COMPANY, doing business as Hughes Aircraft Company, Culver City, Calif. Original filed Oct. 19, 1946, under the act of 1905; amended to application under act of 1946, Jan. 26, 1948. Under section 2f of the act of 1946.

HUGHESNEWS

FOR PERIODICAL PUBLISHED REGULARLY.
Claims use since Oct. 30, 1940.

Ser. No. 529,125. THE AFRO-AMERICAN COMPANY OF BALTIMORE CITY, Baltimore, Md. Filed July 22, 1947. Under section 2f of the act of 1946.

NEW JERSEY AFRO-AMERICAN

Applicant claims ownership of Registration No. 237,341.
FOR NEWSPAPERS, PUBLISHED AT LEAST WEEKLY.
Claims use since January 1941.

Ser. No. 529,126. THE AFRO-AMERICAN COMPANY OF BALTIMORE CITY, Baltimore, Md. Filed July 22, 1947. Under section 2f of the act of 1946.

THE AFRO-AMERICAN

Applicant claims ownership of Registration No. 237,341.
FOR NEWSPAPERS, PUBLISHED AT LEAST WEEKLY.
Claims use since 1892.

Ser. No. 529,128. THE AFRO-AMERICAN COMPANY OF BALTIMORE CITY, Baltimore, Md. Filed July 22, 1947. Under section 2f of the act of 1946.

WASHINGTON AFRO-AMERICAN

Applicant claims ownership of Registration No. 237,341.
FOR NEWSPAPERS, PUBLISHED AT LEAST WEEKLY.
Claims use since January 1937.

Ser. No. 529,129. THE AFRO-AMERICAN COMPANY OF BALTIMORE CITY, Baltimore, Md. Filed July 22, 1947. Under section 2f of the act of 1946.

RICHMOND AFRO-AMERICAN

Applicant claims ownership of Registration No. 237,341.
FOR NEWSPAPERS, PUBLISHED AT LEAST WEEKLY.
Claims use since July 1939.

Ser. No. 532,805. CONTINENTAL DECALCOMANIA CO., Grand Rapids, Mich. Filed Aug. 29, 1947. Under section 2f of the act of 1946.

Chrom O lac

FOR DECALCOMANIA TRANSFERS.
Claims use since Dec. 15, 1937.

Ser. No. 544,453. KNOXVILLE PUBLISHING COMPANY, Knoxville, Tenn. Filed Dec. 16, 1947. Under section 2f of the act of 1946.

The Knoxville Journal

Applicant claims ownership of Registration No. 236,657.
FOR NEWSPAPERS.
Claims use since Feb. 10, 1925.

Ser. No. 563,349. EDWARD E. LITKENHOUS, Nashville, Tenn. Filed Aug. 13, 1948. Under section 2f of the act of 1946.

LITKENHOUS DIFFERENCE BY SCORE SYSTEM

FOR SPORTS ANALYSIS COLUMN.
Claims use since Oct. 15, 1934.

CLASS 39

CLOTHING

Ser. No. 502,491. SAMUEL CITRON, doing business as Barbara Dance Frocks, New York, N. Y. Original filed May 21, 1946, under the act of 1905; amended to application under act of 1946, Oct. 9, 1948.

BARBARA DANCE FROCKS

The right to the exclusive use of the phrase "Dance Frocks" is disclaimed apart from the mark. The picture of the girl on the drawing is fanciful.
FOR JUNIOR MISSES' DANCE FROCKS.
Claims use since 1939.

Ser. No. 527,857. H. L. BUEHLER, Hubbard Woods, Ill. Filed July 5, 1947.

the DRESS BOX

The drawing is lined for shading only.
FOR LADIES' COATS, SUITS, DRESSES, AND HATS.
Claims use since Nov. 1, 1946.

Ser. No. 533,487. MARKOVITS BROTHERS, INCORPORATED, Philadelphia, Pa. Filed Aug. 18, 1947. Under section 2f of the act of 1946.

MARKO

Applicant claims ownership of Registration No. 126,180.
FOR UNDERWEAR FOR MEN, WOMEN, BOYS, AND GIRLS.
Claims use since Jan. 31, 1906.

Ser. No. 535,311. FASHION PARK, INC., Rochester, N. Y. Filed Sept. 23, 1947. Under section 2f of the act of 1946.

Westlander

Applicant claims ownership of Registration No. 52,828.
FOR MEN'S AND BOYS' SUITS AND OVERCOATS.
Claims use since Nov. 1, 1935.

Ser. No. 535,716. LARGE TEXTILES COMPANY, Bethlehem, Pa. Filed Sept. 25, 1947. Under section 2f of the act of 1946.

DIMENSIONAL

FOR HOSIERY.
Claims use since Sept. 1, 1941.

Ser. No. 536,086. HOOK-FAST SPECIALTIES, INC., Providence, R. I. Filed Sept. 29, 1947. Under section 2f of the act of 1946.

HOOK-FAST

Applicant claims ownership of Registration No. 223,570.
FOR BELTS AND BUCKLES FOR HOLDING UP TROUSERS.
Claims use since Aug. 1, 1926.

Ser. No. 539,836. WINSTED HOSIERY COMPANY, Winsted, Conn. Filed July 17, 1947. Under section 2f of the act of 1946.

HOSIERY WINSTED COMPANY

Applicant disclaims the words "Hosiery Company" appearing in the trade-mark. Applicant claims ownership of Registration No. 108,626.
FOR MEN'S HALF HOSE, MEN'S KNIT UNDERWEAR, AND MEN'S OUTERWEAR—NAMELY, SWEATERS, SPORT COATS, SPORT SHIRTS, AND SPORT VESTS.
Claims use since 1894.

Ser. No. 548,449. HOLLIDAY PAJAMAS, INC., New York, N. Y. Filed Dec. 5, 1947.

Flex-APPEAL Band

No claim is made to the word "Band" apart from the mark shown on the drawing.
FOR LADIES' PAJAMAS.
Claims use since Oct. 16, 1947.

Ser. No. 544,843. CARL GUTMANN & CO., INC., New York, N. Y. Filed Dec. 15, 1947.

LORNA DOONE

"Lorna Doone" is the title and heroine of a well known novel.
FOR LADIES' MISSES', BOYS', AND GIRLS' SWEATERS AND POLO SHIRTS.
Claims use since Sept. 16, 1946.

Ser. No. 544,447. C. F. HATHAWAY CO., Waterville, Maine. Filed Dec. 16, 1947. Under section 2f of the act of 1946.

FREE-FRONT

Applicant claims ownership of Registration No. 405,962.
FOR OUTER SHIRTS.
Claims use since Dec. 4, 1942.

Ser. No. 544,907. RO-NAT SPORTSWEAR CO., INC., New York, N. Y. Filed Dec. 19, 1947.

Ro-Nat

Applicant claims ownership of Registration No. 406,194.
FOR LADIES' AND MISSES' SWEATERS AND SWEATER ENSEMBLES COMPRISING A SLIP-OVER SWEATER AND A CARDIGAN.
Claims use since Apr. 15, 1941.

Ser. No. 545,401. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Dec. 24, 1947. Under section 2f of the act of 1946.

LITTLE OLD NEW YORK

Applicant claims ownership of Registration No. 368,180.
FOR SCARFS AND MUFFLERS.
Claims use since 1928.

Ser. No. 545,422. BARCLAY KNITWEAR CO., INC., Kingston and New York, N. Y. Filed Dec. 26, 1947. Under section 2f of the act of 1946.

Barclay

FOR BOYS' POLO SHIRTS.
Claims use since 1932.

Ser. No. 545,701. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

BURMA

Applicant claims ownership of Registration No. 194,384.
FOR OUTER SHIRTS.
Claims use since Sept. 8, 1923.

Ser. No. 545,702. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Dec. 30, 1947. Under section 2f of the act 1946.

CABOT

Applicant claims ownership of Registration No. 180,186.
FOR OUTER SHIRTS.
Claims use since Sept. 21, 1922.

Ser. No. 545,704. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

DEVON

FOR COLLARS FOR MEN AND BOYS.
Claims use since January 1912.

Ser. No.545,705. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

DREW

FOR OUTER SHIRTS FOR MEN AND BOYS.
Claims use since Sept. 22, 1925.

Ser. No. 545,706. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

DUFF

FOR OUTER SHIRTS FOR MEN AND BOYS.
Claims use since Feb. 12, 1924.

Ser. No. 545,710. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

HULL

FOR OUTER SHIRTS FOR MEN AND BOYS.
Claims use since Nov. 2, 1922.

Ser. No. 545,712. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

MARCY

Applicant claims ownership of Registration No. 198,382.
FOR COLLARS FOR MEN AND BOYS.
Claims use since June 16, 1920.

Ser. No. 545,713. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

NASSAU

FOR COLLARS FOR MEN AND BOYS.
Claims use since Aug. 28, 1910.

Ser. No. 545,714. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

PUNJAB

FOR OUTER SHIRTS FOR MEN AND BOYS.
Claims use since Sept. 18, 1920.

Ser. No. 546,047. HART SCHAFFNER & MARX, Chicago, Ill. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

Hart Schaffner & Marx

Applicant claims ownership of Registration No. 108,999.
FOR COATS, VESTS, TROUSERS, OVERCOATS, AND RAINCOATS.
Claims use since 1887.

Ser. No. 546,048. HART SCHAFFNER & MARX, Chicago, Ill. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

HART SCHAFFNER & MARX



Applicant claims ownership of Registration No. 128,241.
FOR COATS, VESTS, TROUSERS, OVERCOATS, AND RAINCOATS.
Claims use since June 5, 1919.

Ser. No. 546,228. R. H. MACY & CO., INC., New York, N. Y. Filed Jan. 5, 1948.

LANSDOWNE

Applicant claims ownership of Registrations Nos. 147,233 and 202,752.
FOR MEN'S AND BOYS' LEATHER SHOES, HATS AND CAPS, JACKETS, AND OUTER SHIRTS.
Claims use since 1913.

Ser. No. 546,723. NORWICH KNITTING COMPANY, Norwich, N. Y. Filed Jan. 10, 1948. Under section 2f of the act of 1946.

SCRIMMAGE SHIRT

No claim is made to the exclusive use of the word "Shirt" apart from the mark as shown in the drawing.
Applicant claims ownership of Registration No. 351,823.
FOR SWEAT SHIRTS.
Claims use since May 10, 1937.

Ser. No. 547,237. DICKSON-JENKINS MANUFACTURING COMPANY, Fort Worth, Tex. Filed Jan. 16, 1948.

D-J

FOR MEN'S AND BOYS' PANTS AND OUTER SHIRTS AND LADIES' WESTERN STYLE PANTS, SHIRTS, JACKETS, AND SLACKS.
Claims use since January 1932.

Ser. No. 547,470. THE MCKAY PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 19, 1948.

Mid-Nitey

The word "Nitey" is disclaimed apart from the mark as shown, only for the purposes of this registration.
FOR NIGHTGOWNS.
Claims use since Dec. 23, 1947.

Ser. No. 547,700. W. B. COON COMPANY, Rochester, N. Y. Filed Jan. 22, 1948.

Wilbur Coon Shoes

The word "Shoes" is disclaimed apart from the mark. The words "Wilbur Coon" are the facsimile signature of Wilbur Coon, now deceased, the founder of the applicant corporation. Applicant claims ownership of Registration No. 229,156.
FOR BOOTS, SHOES, AND OXFORDS MADE OF LEATHER, FABRIC, AND RUBBER AND COMBINATIONS THEREOF.
Claims use since May 1926.

Ser. No. 547,933. NORWICH KNITTING COMPANY, Norwich, N. Y. Filed Jan. 24, 1948.

RACKETEER

Applicant claims ownership of Registration No. 302,632.
FOR KNIT GOODS FOR MEN, WOMEN, AND CHILDREN—NAMELY, POLO SHIRTS, SWEAT SHIRTS, SWEATERS, AND KNIT UNDERWEAR.
Claims use since Nov. 18, 1932.

Ser. No. 548,802. CONTINENTAL MILLS, INC., Philadelphia, Pa. Filed Feb. 5, 1948.

Coba SWAY-TEX

Applicant claims ownership of Registrations Nos. 330,883 and 365,058.
FOR MEN'S, WOMEN'S, BOYS', GIRLS', CHILDREN'S, AND INFANTS' OVERCOATS, TOPCOATS, COATS, SUITS, VESTS, TROUSERS, SLACKS, CLOAKS, CAPES, COAT SETS AND LEGGING SETS, ALL MADE OF TEXTILE FABRICS.
Claims use since Jan. 5, 1948.

Ser. No. 548,936. DELAWARE HOSIERY MILLS, INC., Philadelphia, Pa. Filed Feb. 6, 1948.

fittingly Yours

FOR HOSIERY.
Claims use since Nov. 18, 1947.

Ser. No. 549,112. BELVEDERE HOSIERY COMPANY, Charlotte, N. C. Filed Feb. 9, 1948.

Bella Donna

FOR LADIES' HOSIERY.
Claims use since September 1947.

Ser. No. 549,765. TOWN AND COUNTRY SHOES, INC., Sedalia, Mo. Filed Feb. 14, 1948.

T & C's

FOR LADIES' AND MISSES' SHOES OF LEATHER AND FABRIC.
Claims use since Jan. 2, 1948.

Ser. No. 550,115. CARMINE C. BONANNI, doing business as Embassy Hosiery Sales, Philadelphia, Pa. Filed Feb. 19, 1948.

Lady Sylvia

FOR WOMEN'S HOSIERY.
Claims use since Apr. 28, 1947.

Ser. No. 550,246. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Feb. 20, 1948.

TEN-ALL

FOR MEN'S SPORT SHIRTS.
Claims use since Jan. 30, 1948.

Ser. No. 550,289. APEX HOSIERY COMPANY, Philadelphia, Pa. Filed Feb. 21, 1948.

APEX

Applicant claims ownership of Registration No. 303,866.
FOR HOSIERY.
Claims use since January 1901.

Ser. No. 550,291. APEX HOSIERY COMPANY, Philadelphia, Pa. Filed Feb. 21, 1948.

PEXCO

Applicant claims ownership of Registration No. 219,998.
FOR HOSIERY.
Claims use since October 1925.

Ser. No. 550,408. HART SCHAFFNER & MARX, Chicago, Ill. Filed Feb. 24, 1948.

TEVIOT

FOR MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES, AND WOMEN'S COATS, OVERCOATS, TOPCOATS, AND SKIRTS.
Claims use since Sept. 4, 1945.

Ser. No. 550,994. CAPEZIO, INC., New York, N. Y. Filed Mar. 2, 1948.

BEN & SALLY

FOR WOMEN'S SLIPPERS, MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since 1923.

Ser. No. 551,187. ROSEN & BARNES MANUFACTURING CO., Chicago, Ill., and Minneapolis, Minn. Filed Mar. 3, 1948.

Birchbay

FOR SNOW SUITS, SKI SUITS, SKI PANTS AND JACKETS.
Claims use since March 1944.

Ser. No. 551,441. COURTSHIRE FASHIONS, INC., New York, N. Y. Filed Mar. 8, 1948.



The word "Fashion" is disclaimed apart from the mark as shown. The drawing is lined for shading purposes only.
FOR LADIES' COATS, SUITS, JACKETS, AND SKIRTS.
Claims use since Apr. 26, 1946.

Ser. No. 553,046. YORKSHEER HOSIERY COMPANY, York, Pa. Filed Mar. 25, 1948.

Yorksheer

FOR HOSIERY.
Claims use since October 1946.

Ser. No. 554,673. INDIAN RIVER TEXTILE CO., INC., Ozark, Ala. Filed Apr. 15, 1948.

Howdy Doody

FOR CHILDREN'S ROMPERS, OVERALLS, COVERALLS, CREEPERS, SHORTS, DRESSES, JACKETS, SUITS, AND TROUSERS.
Claims use since Feb. 27, 1948.

Ser. No. 555,710. UNITED MILLS CORPORATION, Mount Gilead, N. C. Filed Apr. 27, 1948.

Garcrest

Applicant claims ownership of Registrations Nos. 245,458 and 436,443.
FOR MEN'S PAJAMAS, SHORTS, AND UNDERWEAR; LADIES' SLIPS, BEDJACKETS, GOWNS, AND UNDERWEAR; AND CHILDREN'S PAJAMAS AND UNDERWEAR.
Claims use since Jan. 1, 1946.

Ser. No. 560,464. CARL OUTMANN & CO., INC., New York, N. Y. Filed June 30, 1948.

AMERITOGS

FOR LADIES' AND MISSES' SWEATERS, BLOUSES, OUTER SPORT SHIRTS, PANTIES, AND BLOOMERS.
Claims use since Jan. 15, 1947.

Ser. No. 562,776. THE GATES RUBBER COMPANY, Denver, Colo. Filed Aug. 4, 1948. Under section 2f of the act of 1946 as to "Gates."

Gates

FOR RUBBER AND RUBBER-LIKE APRONS.
Claims use since Oct. 28, 1944.

Ser. No. 575,875. VAISEY-BRISTOL SHOE COMPANY, INCORPORATED, Rochester, N. Y. Filed Mar. 22, 1949.

JUMPING-JACKS

Applicant claims ownership of Registrations Nos. 442,147 and 442,148.
FOR SHOES OF LEATHER.
Claims use since July 1, 1944.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 546,833. UNITED STAY COMPANY, INC., Cambridge, Mass. Filed Jan. 6, 1948. Under section 2f of the act of 1946.

Stixtite

FOR PIPING FOR SHOES.
Claims use since Jan. 7, 1929.

Ser. No. 572,610. TILTON & COOK CO., Leominster, Mass. Filed Dec. 15, 1948.

Holdette

FOR COMBS, BARRETTES, HAIR ROLLS AND HAIR CURLERS.
Claims use since August 1938 on combs and barrettes; and since October 1941 on hair rolls and hair curlers.

CLASS 43

THREAD AND YARN

Ser. No. 570,889. W. WARREN THREAD WORKS, Westfield, Mass. Filed Dec. 20, 1948.

TOMAHAWK

FOR THREAD AND YARN.
Claims use since 1933.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 533,838. HERBERT G. BEYER, doing business as Atlantic Manufacturing Company, Baltimore, Md. Filed Sept. 9, 1947.

ATCO

FOR FLAVORING EXTRACTS AND SYRUPS USED IN MAKING MALTLESS SOFT DRINKS.
Claims use since Feb. 27, 1932.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 515,009. MORGAN ADAMS CO. INC., Cayuga, Ind., now by change of name Morgan & Son's Canning Co., Inc. Original filed Dec. 30, 1946, under the act of 1905; amended to application under act of 1946, Oct. 30, 1947. Under section 2f of the act of 1946.

WABASH GOLD

FOR CANNED CORN.
Claims use since Aug. 15, 1940.

Ser. No. 523,557. LILLINGTON ROLLER MILLS, INC., Lillington, N. C. Original filed May 31, 1947, under the act of 1905; amended to application under act of 1946, Jan. 28, 1949.



FOR WHEAT FLOUR AND SELF-RISING FLOUR.
Claims use since June 6, 1944.

Ser. No. 526,968. HORLICKS CORPORATION, Racine, Wis. Filed July 5, 1947. Under section 2f of the act of 1946.

HORLICKS

Applicant claims ownership of Registrations Nos. 105,593, 29,795, 115,965, 117,995, 184,990, 283,451, and 388,029.
FOR MALTED MILK, IN POWDER AND TABLET FORM OF VARIOUS FLAVORS.
Claims use since 1874.

Ser. No. 529,656. DR. ALEXANDER KATZ AND COMPANY, Los Angeles, Calif. Filed July 26, 1947.

VANIFOLIO

FOR IMITATION VANILLA CONCENTRATE FOR FOOD USE IN FLAVORING FOODS.
Claims use since Apr. 10, 1946.

Ser. No. 535,160. FOOD CITY DRIVE-IN, Canton, Ohio. Filed Sept. 20, 1947.

NITEMARE

FOR SANDWICHES.
Claims use since July 3, 1947.

Ser. No. 538,339. A. BOVA, Manteca, Calif. Filed Oct. 3, 1947.

Baby Marie

FOR FRESH GRAPES—NAMELY, ALICANTES.
Claims use since Jan. 10, 1944.

Ser. No. 540,688. MCAFEE CANDY CO., INC., Macon, Ga. Filed Nov. 10, 1947.

COCOANUT HAY STAX

The word "Cocoanut" is disclaimed.
FOR CANDY BARS.
Claims use since Oct. 1, 1938.

Ser. No. 540,871. DONALD A. RAND, doing business as Story Book Farm Co., Hampton, N. H. Filed Nov. 12, 1947.

Story-Book Farm

No claim is made to the word "Farm" apart from the mark. Applicant claims ownership of Registration No. 377,010.
FOR CANDIES.
Claims use since December 1946.

Ser. No. 541,500. BLUM & BERGERON, Houma, La. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

BLUM'S SHRIMP SHRED

No exclusive claim is made to the words "Shrimp Shred" apart from the mark as shown. Applicant claims ownership of Registration No. 293,551.
FOR DRIED SHRIMP.
Claims use since Mar. 9, 1931.

Ser. No. 543,216. PORTLAND CANNING COMPANY, INC., Forest Grove and Sherwood, Oreg. Filed Dec. 3, 1947. Under section 2f of the act of 1946.

Lasselle

FOR CANNED FRUITS AND VEGETABLES.
Claims use since September 1931.

Ser. No. 544,096. MAYFLOWER PRODUCTS INC., South Boston, Mass. Filed Dec. 11, 1947. Under section 2f of the act of 1946.

Barclay

FOR JAMS, FRUIT JELLIES, MARMALADES, AND CRANBERRY SAUCE.
Claims use since January 1936.

Ser. No. 550,694. HOLLYWOOD BRANDS, INC., doing business under the name Hollywood Candy Co., Centralia, Ill. Filed Feb. 27, 1948. Under section 2f of the act of 1946.

Hollywood

Applicant claims ownership of Registration No. 267,496.
FOR CANDY.
Claims use since 1922.

Ser. No. 551,087. CHASE & COMPANY, Sanford, Fla. Filed Mar. 8, 1948.

SEMINOLE

Applicant claims ownership of Registration No. 97,949.
FOR FRESH CITRUS FRUITS.
Claims use since 1888.

CLASS 47

WINES

Ser. No. 555,725. AUSTIN, NICHOLS & CO., INCORPORATED, Brooklyn, N. Y. Filed Apr. 28, 1948.

ANCO

Applicant claims ownership of Registrations Nos. 329,091, 330,305, 397,093, and 407,540.
FOR WINE AND VERMOUTH.
Claims use since Aug. 15, 1934.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 554,288. THE AMERICAN DISTILLING COMPANY, Pekin, Ill., and New York, N. Y. Filed Apr. 10, 1948.

LONGWOOD

FOR WHISKEY.
Claims use since June 11, 1934.

Ser. No. 555,726. AUSTIN, NICHOLS & CO., INCORPORATED, Brooklyn, N. Y. Filed Apr. 28, 1948.

ANCO

Applicant claims ownership of Registrations Nos. 329,091, 330,305, 397,093, and 407,540.
FOR BRANDY, COGNAC, ALCOHOLIC COCKTAILS, ALCOHOLIC CORDIALS, ALCOHOLIC LIQUERS, GIN, CLUB PUNCH, BEING A BLEND OF VARIOUS DISTILLED ALCOHOLIC LIQUORS, RUM VODKA, AND WHISKEY.
Claims use since June 19, 1934.

Ser. No. 556,566. POTTER-MORSON CORP., Newark and Jersey City, N. J., and New York, N. Y. Filed May 8, 1948. Under section 2f of the act of 1946.

Pete Hagen's

The mark is not the name of any living or deceased individual and is purely fictitious. Applicant claims ownership of Registrations Nos. 330,969 and 387,034.

FOR WHISKEY, GIN, RUM, BRANDIES, ALCOHOLIC CORDIALS, ALCOHOLIC LIQUERS, EGG-NOG, AND ALCOHOLIC COCKTAILS.

Claims use since May 15, 1934.

CLASS 50
MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 543,874. BEH AND COMPANY, INCORPORATED, New York, N. Y. Filed Dec. 10, 1947.

Priscilla

FOR RUBBER BATH MATS.

Claims use since May 20, 1947.

TRADE-MARK REGISTRATIONS GRANTED
ACT OF 1905

442,873. BAKING CHOCOLATE. ROCKWOOD & CO., Brooklyn, N. Y.
Filed May 24, 1944, Serial No. 470,584. Published Mar. 1, 1949. Class 46.

442,874. FROZEN APRICOTS, PEACHES, BRUSSELS SPROUTS, AND CAULIFLOWER. STOKELY-VAN CAMP, INC., Indianapolis, Ind.
Filed June 15, 1945, Serial No. 484,602. Published Mar. 1, 1949. Class 46.

442,875. REPLACEABLE FILTER ELEMENTS FOR COFFEEMAKERS OF CLOTH AND OTHER POROUS MATERIAL. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill., now by change of name, Sunbeam Corporation.
Filed Sept. 10, 1945, Serial No. 488,199. Published Mar. 8, 1949. Class 31.

442,876. TICKINGS, READY-MADE PILLOW TICKS. LEVINSOHN TEXTILE CO., New York, N. Y.
Filed Oct. 27, 1945, Serial No. 490,595. Published Feb. 15, 1949. Class 42.

442,877. POLISHING PADS OR BUFFS OF FABRIC AND FOR TANNED SHEEP SKIN POLISHING MITTS OR BONNETS. ROBERT L. FISHER, San Francisco, Calif.
Filed Jan. 26, 1946, Serial No. 495,462. Published Jan. 11, 1949. Class 29.

442,878. METALLIC STRUCTURAL MEMBERS TO WHICH COLLATERAL MATERIALS MAY BE NAILED, ETC. NAILSTEEL, INC., Boston, Mass.
Filed Feb. 9, 1946, Serial No. 496,324. Published Mar. 1, 1949. Class 12.

442,879. WATCHES, WATCH CASINGS, AND PARTS OF WATCHES. SOCIETE ANONYME MIDO, Bienne, Switzerland.
Filed Mar. 19, 1946, Serial No. 498,534. Published Mar. 8, 1949. Class 27.

442,880. OPHTHALMIC MOUNTINGS AND PARTS THEREOF. WILLSON PRODUCTS, INC., Reading, Pa.
Filed Mar. 19, 1946, Serial No. 498,562. Published Jan. 25, 1949. Class 26.

442,881. DECORATIVE HARDBOARD PANELS. PRESTILE MANUFACTURING COMPANY, Chicago, Ill.
Filed Apr. 8, 1946, Serial No. 499,570. Published Mar. 1, 1949. Class 12.

442,882. ELECTRIC GAUGING MECHANISMS FOR DETERMINING PHYSICAL DIMENSIONS. ARLIN PRODUCTS, INCORPORATED, Detroit, Mich.
Filed June 17, 1946, Serial No. 504,023. Published Feb. 8, 1949. Class 26.

442,883. NECKLACES, BRACELETS, FINGER RINGS, JEWELRY CLIPS, BROOCHES, AND EARRINGS. JOSEPH H. MEYER BROS., Brooklyn, N. Y.
Filed July 11, 1946, Serial No. 505,434. Published Mar. 23, 1948. Class 28.

442,884. ENVELOPES, ENVELOPE WINDOWS, PAPERY MATERIAL FOR WRITING, DRAWING, PRINTING AND DECORATIVE PURPOSES, ETC. CRANE CORPORATION OF AMERICA, New York, N. Y.
Filed July 13, 1946, Serial No. 505,556. Published Feb. 8, 1949. Class 37.

442,885. PARALLEL RULERS, STRAIGHTEDGES, T-SQUARES, PARALLEL RULING ATTACHMENTS, ETC. ESTATE OF HAROLD L. DE LISLE, doing business as Engineering Manufacturing Company, Sheboygan, Wis., assignor, by court order and mesne assignments, to Engineering Manufacturing Co., Sheboygan, Wis., a corporation of Wisconsin.
Filed July 17, 1946, Serial No. 505,740. Published Feb. 1, 1949. Class 26.

442,886. METALLISED TEXTILE PIECE GOODS OF COTTON, WOOL, LINEN, RAYON, NYLON, PLASTIC YARN AND GLASS FIBERS AND METALLISED PLASTIC FILMS SUITABLE FOR USE IN MAKING GARMENTS, DRAPERIES, AND SUCH LIKE. CALLENDER-SUCHY DEVELOPMENTS LIMITED, London, England.
Filed July 24, 1946, Serial No. 506,155. Published Mar. 1, 1949. Class 42.

442,887. SHEETING, SHEETS, AND PILLOW CASES. HESSLEIN & CO., INC., New York, N. Y.
Filed Aug. 29, 1946, Serial No. 508,222. Published Mar. 1, 1949. Class 42.

442,888. ELECTRICAL MEASURING INSTRUMENTS—NAMELY, AMMETERS, MILLIAMMETERS, MICROAMMETERS, ETC. QUVAR PRODUCTS INC., West Orange, N. J.
Filed Oct. 7, 1946, Serial No. 510,402. Published Feb. 8, 1949. Class 26.

442,889. FINISHED CENTRIFUGAL CASTINGS OF ALUMINUM, IRON, BRONZE, OR OTHER METALS IN THE NATURE OF DIESEL ENGINE CYLINDER LINERS; LOCOMOTIVE VALVE LINERS; AND STEAM DRIVEN PUMP LINERS. PAXTON-MITCHELL COMPANY, Omaha, Nebr.
Filed Dec. 16, 1946, Serial No. 514,875. Published Mar. 1, 1949. Class 23.

442,890. MEDICINAL PRODUCT FOR THE ACTIVE NUCLEUS OF THE BONE MARROW. GABRIEL SANCHES CORDERO, Mexico, City, Mexico.
Filed Dec. 28, 1946, Serial No. 514,951. Published Mar. 1, 1949. Class 6.

442,891. DYEING PREPARATION FOR CLOTHS, FABRICS, AND THREADS. ALFO BENELLI AND AUGUSTO BENELLI, Florence, Italy.
Filed Jan. 15, 1947, Serial No. 515,742. Published Mar. 1, 1949. Class 6.

442,892. AQUEOUS DISPERSION (NATURAL, SYNTHETIC, AND/OR ARTIFICIAL) OF RUBBER (NATURAL, SYNTHETIC, RECLAIMED, OR ARTIFICIAL); EITHER COMPOUNDED OR UNCOMPOUNDED. LATEX DISTRIBUTORS, INC., New York, N. Y.
Filed Mar. 28, 1947, Serial No. 519,762. Published Mar. 15, 1949. Class 1.

442,893. PIPE UNIONS, THREAD PROTECTORS FOR UNIONS, CLAMP HANDLES FOR VALVES, ETC. WELL EQUIPMENT MFG. CORP., Houston, Tex.
Filed Apr. 2, 1947, Serial No. 520,075. Published Mar. 1, 1949. Class 13.

442,894. CHEMICAL TO BE ADDED TO FIRE FIGHTING LIQUID TO LOWER ITS SURFACE TENSION. ARNOLD, HOFFMAN & CO. INCORPORATED, Providence, R. I.
Filed Apr. 7, 1947, Serial No. 520,249. Published Mar. 8, 1949. Class 6.

442,895. ASPHALT, PITCH, AND TAR. THE LEHON COMPANY, Chicago, Ill.
Filed Apr. 15, 1947, Serial No. 520,715. Published Mar. 15, 1949. Class 1.

442,896. TRICOT KNIT JERSIES IN THE PIECE. CHARMETTE FABRICS COMPANY, INC., New York, N. Y.
Filed May 20, 1947, Serial No. 522,727. Published Feb. 22, 1949. Class 42.

442,897. SWEETENED PREPARATION IN TABLET FORM TO SUPPLY ADDITIONAL VITAMINS, MINERALS, DEXTROS, AND SALT. NUTRITION CORPORATION OF AMERICA, Baltimore, Md.
Filed June 7, 1947, Serial No. 523,795. Published Mar. 8, 1949. Class 6.

442,898. BOND PAPERS, PRINTING PAPERS, BOOK PAPERS, PACKAGING PAPERS, AND DISPLAY PAPERS. BULKLEY, DUNTON & CO. INCORPORATED, New York, N. Y.
Filed June 11, 1947, Serial No. 523,946. Published Jan. 6, 1948. Class 37.

442,899. KNITTED, NETTED, AND TEXTILE FABRICS IN THE PIECE, MADE OF RAYON, NYLON, AND PROTEIN FIBERS AND YARNS. ALGEMEENE KUNSTZIJDE UNIE, N. V., Arnhem, Netherlands.
Filed June 12, 1947, Serial No. 524,039. Published Feb. 15, 1949. Class 42.

442,900. LEATHER IN THE PIECE—NAMELY, BENDS AND STRIPS, AND SQUARES AND BLOCKS CUT OUT OF SOLE LEATHER BENDS. AARON GLICKSMAN, doing business as A. Glicksman and Company, Chicago, Ill.
Filed June 25, 1947, Serial No. 524,793. Published Mar. 15, 1949. Class 1.

442,901. VALVES—NAMELY, BLOW-OFF VALVES FOR BOILERS. THE LUNKENHEIMER COMPANY, Cincinnati, Ohio.
Filed June 25, 1947, Serial No. 524,805. Published Mar. 1, 1949. Class 13.

442,902. CLEANSER CAN STAND—NAMELY, A PLASTIC HOLDER POSITIONED ON THE SINK OR LIKE PLACE IN A KITCHEN, WHICH HOLDER DETACHABLY RETAINS THEREIN A CLEANSER CONTAINING CAN. JOHN H. MILLIGAN, San Francisco, Calif.
Filed June 27, 1947, Serial No. 525,011. Published Feb. 22, 1949. Class 13.

442,903. ELECTRICALLY OPERATED OIL FILTERS FOR INTERNAL COMBUSTION ENGINES; WATER SOFTENERS COMPRISED OF FILTER, TANKS, PIPING, AND FITTINGS, FOR DOMESTIC USE; AND MILK COOLERS. OAKES & COMPANY, Chicago, Ill.
Filed July 1, 1947, Serial No. 525,392. Published Mar. 8, 1949. Class 31.

ACT OF 1920

These registrations are not subject to opposition.

442,904. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EDWARD H. MEIER, Palisades Park, N. J. Filed June 6, 1947, Serial No. 523,656.

PAY AS YOU GO

FOR ADJUSTABLE CALCULATING CHARTS FOR COMPUTING MATHEMATICAL INFORMATION.
Claims use since Apr. 12, 1945.

ACT OF 1946, PRINCIPAL REGISTER

510,820. KNITTING WOOLS. JAMES TEMPLETON & SON LIMITED, Ayrshire, Scotland.
Original filed Nov. 15, 1945, under the act of 1905; amended to application under act of 1946, Sept. 16, 1947, Serial No. 491,685. Published Mar. 1, 1949. Class 43.

510,821. BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS, AND FOR CLEANING, POLISHING, AND SWEEPING. WHITING-ADAMS COMPANY, INC., Boston, Mass.
Original filed July 27, 1946, under the act of 1905; amended to application under act of 1946, Sept. 13, 1947, Serial No. 506,409. Published Feb. 1, 1949. Class 29.

510,822. POWER DRIVEN CULTIVATORS AND PARTS THEREOF. BRAY CORPORATION, Pasadena, Calif.
Original filed Aug. 5, 1946, under the act of 1905; amended to application under act of 1946, Sept. 20, 1947, Serial No. 506,857. Published Mar. 8, 1949. Class 23.

510,823. LENS-TESTING INSTRUMENTS—NAMELY, OPTICAL INSTRUMENTS FOR DETERMINING OPTICAL CHARACTERISTICS OF LENSES. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Original filed Sept. 25, 1946, under the act of 1905; amended to application under act of 1946, Feb. 13, 1948, Serial No. 509,685. Published Mar. 8, 1949. Class 26.

510,824. ROAD SCRAPERS, ROAD GRADERS, ROAD ROLLERS, ETC. THE GALION IRON WORKS & MANUFACTURING COMPANY, Galion, Ohio.
Original filed Oct. 3, 1946, under the act of 1905; amended to application under act of 1946, July 28, 1947, Serial No. 510,167. Published Mar. 1, 1949. Class 23.

510,825. PIPE COUPLINGS. GUSTIN-BACON MANUFACTURING COMPANY, Kansas City, Mo.
Original filed Oct. 23, 1946, under the act of 1905; amended to application under act of 1946, Nov. 10, 1947, Serial No. 511,326. Published Mar. 1, 1949. Class 13.

510,826. LAWN SEED. THE J. CHAS. MCCULLOCH SEED COMPANY, Cincinnati, Ohio.
Original filed Dec. 16, 1946, under the act of 1905; amended to application under act of 1946, Sept. 16, 1947, Serial No. 514,368. Published Mar. 15, 1949. Class 1.

510,827. ROAD CONSTRUCTION AND MAINTENANCE MACHINERY—NAMELY, TRENCH FILLERS, SALT SPREADERS FOR DE-ICING PURPOSES, AND ROAD ROLLERS. ALL-PURPOSE SPREADER COMPANY, Elyria, Ohio.
Original filed Jan. 3, 1947, under the act of 1905; amended to application under act of 1946, Nov. 7, 1947, Serial No. 515,211. Published Mar. 8, 1949. Class 23.

510,828. THIN PLASTIC FILM SOLD AS PIECE GOODS FOR USE IN MAKING INTO GARMENT BAGS, APRONS, HAT COVERS, DISH COVERS, CRIB SHEETS, AND THE LIKE. THE NATIONAL PLASTIC PRODUCTS CO., Odenton, Md.
Original filed Jan. 20, 1947, under the act of 1905; amended to application under act of 1946, Aug. 5, 1948, Serial No. 516,032. Published Mar. 1, 1949. Class 42.

510,829. CARBURETORS, CARBURETOR PARTS, AND ACCESSORIES FOR CARBURETORS. BENDIX AVIATION CORPORATION, Detroit, Mich.
Original filed Jan. 23, 1947, under the act of 1905; amended to application under act of 1946, July 31, 1947, Serial No. 516,168. Published Mar. 8, 1949. Class 23.

510,830. POWDER ACTUATED TOOLS COMPRISING APPARATUS USED IN DRIVING STUDS, BOLTS, SCREWS, RIVETS, PINS, PLUGS, SHAFTS, ETC. TEMPO PRODUCTS COMPANY, Cleveland, Ohio, assignee of Tempo Products Company.
Original filed Feb. 8, 1947, under the act of 1905; amended to application under act of 1946, July 30, 1947, Serial No. 517,215. Published Mar. 8, 1949. Class 23.

510,831. AUTOMATIC IMMERSION APPARATUS USED IN THE PREPARATION OF HISTOLOGICAL SPECIMENS. THE TECHNICON CO., New York, N. Y., assignor to The Technicon Company, New York, N. Y., a firm composed of Edwin C. Weiskopf and Edwin C. Whitehead.
Original filed Feb. 21, 1947, under the act of 1905; amended to application under act of 1946, Aug. 28, 1947, Serial No. 517,031. Published Mar. 1, 1949. Class 26.

510,832. WIDE ELASTIC FABRIC. UNITED STATES RUBBER COMPANY, New York, N. Y.
Original filed May 7, 1947, under the act of 1905; amended to application under act of 1946, Aug. 20, 1947, Serial No. 522,048. Published Feb. 8, 1949. Class 42.

510,833. PORTABLE POWER OPERATED SPRAYERS AND DUSTERS FOR AGRICULTURAL AND HORTICULTURAL USE, ETC. THE F. E. MYERS & BRO. COMPANY, Ashland, Ohio.
Original filed May 15, 1947, under the act of 1905; amended to application under act of 1946, July 24, 1947, Serial No. 522,442. Published Mar. 1, 1949. Class 23.

510,834. PORTABLE HAND OPERATED SPRAYERS FOR AGRICULTURAL AND HORTICULTURAL USE, ACCESSORIES AND PARTS THEREOF. THE F. E. MYERS & BRO. COMPANY, Ashland, Ohio.
Original filed May 15, 1947, under the act of 1905; amended to application under act of 1946, July 24, 1947, Serial No. 522,443. Published Mar. 1, 1949. Class 23.

510,835. ENGINE OR POWER TAKE-OFF OPERATED PORTABLE AND STATIONARY SPRAYERS FOR AGRICULTURAL AND HORTICULTURAL USE, ETC. THE F. E. MYERS & BRO. COMPANY, Ashland, Ohio.
Original filed May 15, 1947, under the act of 1905; amended to application under act of 1946, July 24, 1947, Serial No. 522,444. Published Mar. 1, 1949. Class 23.

510,836. CANNED CITRUS FRUITS AND CANNED CITRUS JUICES. L. MARCY, INC., Frostproof, Fla.
Original filed June 2, 1947, under the act of 1905; amended to application under act of 1946, Sept. 3, 1947, Serial No. 523,405. Published Mar. 8, 1949. Class 46.

510,837. GRASS SEED. ASSOCIATED SEED GROWERS, INCORPORATED, New Haven, Conn.
Filed July 5, 1947, Serial No. 526,540. Published Mar. 15, 1949. Class 1.

510,838. MAGAZINE. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 526,870. Published Mar. 8, 1949. Class 38.

510,839. BLEACHING AND DISINFECTING SOLUTIONS. H. M. SINCLAIR, JR., trustee for the partnership, The Sinclair Manufacturing Company, Toledo, Ohio.
Filed July 5, 1947, Serial No. 526,984. Published Feb. 22, 1949. Class 6.

510,840. UTENSILS FOR PARTITIONING VARIOUS FOODS, PARTICULARLY ICE CREAM, CAKE AND LOAVES OF MEAT, FLOUR, OR VEGETABLE COMPONENTS. CALE J. SCHNEIDER, Toledo, Ohio.
Filed July 5, 1947, Serial No. 527,070. Published Mar. 1, 1949. Class 23.

510,841. LIFT TRUCKS AND PORTABLE ELEVATORS. BARRETT-CRAVENS COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,133. Published Mar. 8, 1949. Class 23.

510,842. CANNED GOODS—NAMELY, BEEF TAMALES AND CALIFORNIA TAMALES, ETC. WORKMAN PACKING COMPANY, San Francisco, Calif.
Filed July 5, 1947, Serial No. 527,175. Published Mar. 8, 1949. Class 46.

510,843. WITHDRAWN.

510,844. JUTE AND COTTON FABRICS. JOHN FLOCKER AND COMPANY, Pittsburgh, Pa.
Filed July 5, 1947, Serial No. 527,010. Published Mar. 1, 1949. Class 42.

510,845. WRITING, TYPEWRITER, AND PRINTING PAPER. VALLEY PAPER COMPANY, Holyoke, Mass.
Filed July 5, 1947, Serial No. 527,650. Published Feb. 8, 1949. Class 37.

510,846. ANALGESIC BALM, ANESTHETIC OINTMENT, ASTRINGENT PREPARATION, BENZOCAINE, BILE SALTS, BONE MEAL FOR USE AS A SOURCE OF CALCIUM AND PHOSPHORUS, CALCIUM PREPARATIONS, ETC. VITAMINERALS, INC., Los Angeles, Calif.
Filed July 5, 1947, Serial No. 527,724. Published Nov. 23, 1948. Class 6.

510,847. CAN OPENERS. ROBERT H. CLARK, doing business as Robert H. Clark Company, Beverly Hills, Calif.
Filed July 5, 1947, Serial No. 528,050. Published Mar. 1, 1949. Class 23.

510,848. CHEMICAL GOODS CONSISTING OF ADDITIVES FOR OIL WELL DRILLING MUDS. MAGNET COVE BARIUM CORPORATION, Houston, Tex.
Filed July 7, 1947, Serial No. 528,065. Published Mar. 8, 1949. Class 6.

510,849. FOUNTAIN PENS, BALL PENS, AND MECHANICAL PENCILS. EVERLAST PEN CORPORATION, New York, N. Y.
Filed July 16, 1947, Serial No. 528,711. Published Feb. 8, 1949. Class 37.

510,850. CREPE PAPER. C. A. REED COMPANY, Williamsport, Pa.
Filed July 23, 1947, Serial No. 529,297. Published Feb. 15, 1949. Class 37.

510,851. CREPE PAPER. C. A. REED COMPANY, Williamsport, Pa.
Filed July 23, 1947, Serial No. 529,298. Published Feb. 15, 1949. Class 37.

510,852. BOND PAPER, LEDGER PAPER, AND PAPER ENVELOPES. HOWARD PAPER MILLS, INC., Dayton, Ohio.
Filed July 30, 1947, Serial No. 529,994. Published Mar. 8, 1949. Class 37.

510,853. PAPER ENVELOPES. HOWARD PAPER MILLS, INC., Dayton, Ohio.
Filed July 30, 1947, Serial No. 530,000. Published Mar. 1, 1949. Class 37.

510,854. COUPLINGS AND FITTINGS FOR METAL HOSE, FLEXIBLE METAL TUBING, AND METAL REINFORCED HOSE. CHICAGO METAL HOSE CORPORATION, Maywood, Ill.
Filed Aug. 5, 1947, Serial No. 530,466. Published Mar. 1, 1949. Class 13.

510,855. PUMPS FOR CONVEYING SOLIDS, LIQUIDS, ETC. YEOMANS BROTHERS COMPANY, Chicago, Ill.
Filed Aug. 8, 1947, Serial No. 530,888. Published Mar. 1, 1949. Class 23.

510,856. RAYON PIECE GOODS. PONEMAH MILLS, Taftville, Conn.
Filed Aug. 9, 1947, Serial No. 530,956. Published Feb. 8, 1949. Class 42.

510,857. REFRIGERATORS, REFRIGERATOR CABINETS, REFRIGERANT COMPRESSORS, REFRIGERANT CONDENSERS, REFRIGERANT EVAPORATORS, AND CONTROLS FOR REFRIGERATING APPARATUS. GIBSON REFRIGERATOR COMPANY, Greenville, Mich.
Filed Aug. 11, 1947, Serial No. 531,025. Published Mar. 8, 1949. Class 31.

510,858. SHAMPOO SPRAYS, BATH SPRAYS, AND FAUCET STRAINERS. KNICKERBOCKER RUBBER COMPANY, Chicago, Ill.
Filed Aug. 15, 1947, Serial No. 531,487. Published Feb. 22, 1949. Class 13.

510,859. OPTICAL GOODS—NAMELY, SPECTACLES, GOGGLES, LENSES, SUN GLASSES, EYE SHADES, FRAMES, MOUNTINGS, AND PARTS THEREOF. CHARLES FOSTER & CO., New York, N. Y., assignor to Charles Foster & Co., Inc., New York, N. Y., a corporation of New York.
Filed Aug. 18, 1947, Serial No. 531,657. Published June 29, 1948. Class 26.

510,860. TENSION, TORSION, AND EXPANSION SPRINGS, AND WIRE FORMS GENERALLY IN THE FORM OF SPRINGS MADE TO ORDER. THE YOST SUPERIOR CO., Springfield, Ohio.
Filed Aug. 18, 1947, Serial No. 531,747. Published Feb. 22, 1949. Class 13.

510,861. REFRIGERATOR SHOWCASES, CARBONATED AND OTHER BEVERAGE DISPENSING FOUNTAINS, REFRIGERATORS FOR HOME AND COMMERCIAL USE, AND BELOW-FREEZING FOOD STORAGE AND HOLDING BOXES FOR DOMESTIC AND COMMERCIAL USE. WEBER SHOWCASE & FIXTURE CO., INC., Los Angeles, Calif.
Filed Aug. 20, 1947, Serial No. 531,972. Published Mar. 8, 1949. Class 31.

510,862. WATCHES, CLOCKS. ARISTOCRAT WATCH & JEWELRY CO. INC., New York, N. Y.
Filed Aug. 22, 1947, Serial No. 532,094. Published Mar. 8, 1949. Class 27.

510,863. WATCHES, CLOCKS. ARISTOCRAT WATCH & JEWELRY CO., INC., New York, N. Y.
Filed Aug. 22, 1947, Serial No. 532,095. Published Mar. 8, 1949. Class 27.

510,864. WATCHES, CLOCKS. ARISTOCRAT WATCH & JEWELRY CO., INC., New York, N. Y.
Filed Aug. 22, 1947, Serial No. 532,097. Published Mar. 8, 1949. Class 27.

510,865. BABY HOT WATER BOTTLES, BREAST PUMPS, BULB SYRINGES, CATHETERS, COLON TUBES, HOT WATER BOTTLES, HOT WATER BOTTLE SYRINGE ATTACHMENTS, ETC. THE FAULTLESS RUBBER COMPANY, Ashland, Ohio.
Filed Aug. 22, 1947, Serial No. 532,128. Published Feb. 8, 1949. Class 44.

510,866. WHEAT FLOUR. NEBRASKA CONSOLIDATED MILLS COMPANY, doing business as Ravenna Mills, Omaha, Nebr.
Filed Sept. 3, 1947, Serial No. 533,194. Published Mar. 1, 1949. Class 46.

510,867. PRINTING INKS; LITHOGRAPHING INKS; AND PIGMENTS, DYES, DYESTUFFS, DRY COLORS, OILS, AND VARNISHES FOR MANUFACTURE OF PRINTING AND LITHOGRAPHING INKS. THE SHERWIN WILLIAMS COMPANY, Cleveland, Ohio.
Filed Aug. 29, 1947, Serial No. 533,508. Published Aug. 10, 1948. Class 11.

510,868. BRUSHES FOR USE BY PAINTERS, PAPERHANGERS, ARTISTS, SIGNWRITERS, AND SIGN PAINTERS, ETC. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed Aug. 29, 1947, Serial No. 538,515. Published Aug. 31, 1948. Class 29.

510,869. SPRINGS FOR ALL PURPOSE MECHANICAL USES SUCH AS COIL SPRINGS AND FLAT SPRINGS OF ALL TYPES AND SIZES, ETC. PARAGON SPRING COMPANY, Chicago, Ill.
Filed Sept. 5, 1947, Serial No. 533,604. Published Mar. 1, 1949. Class 13.

510,870. CHAIN REPAIR LINKS. PEERLESS CHAIN COMPANY, Winona, Minn.
Filed Sept. 5, 1947, Serial No. 533,608. Published Mar. 1, 1949. Class 13.

510,871. CHAINS FOR GENERAL USE AND PARTICULARLY FOR TOWING CHAINS, LOG CHAINS, ETC. PEERLESS CHAIN COMPANY, Winona, Minn.
Filed Sept. 5, 1947, Serial No. 533,611. Published Mar. 1, 1949. Class 13.

510,872. CAN OPENERS, EGG BEATERS, JAR OPENERS, CAP REMOVERS, AND KNIFE SHARPENERS. EDLUND COMPANY, Burlington, Vt.
Filed Sept. 6, 1947, Serial No. 533,868. Published Mar. 8, 1949. Class 23.

510,873. ONION JUICE, GARLIC FLAVOR FOR USE IN FLAVORING FOODS, GRAVY SAUCE, AND SOY SAUCE; TABLE SYRUPS; MARSHMALLOW CREME, GRENADINE FOR FLAVORING PURPOSES; AND WORCESTERSHIRE SAUCE. GIROUX COMPANY, INC., New York, N. Y.
Filed Sept. 9, 1947, Serial No. 533,879. Published Mar. 1, 1949. Class 46.

510,874. SALT. MYLER SALT COMPANY, INC., New Orleans, La., assignor to Morton Salt Company, Chicago, Ill., a corporation of Illinois.
Filed Sept. 9, 1947, Serial No. 533,914. Published Mar. 1, 1949. Class 46.

510,875. LACES AND EMBROIDERIES SOLD AS PIECE GOODS AND BY THE YARD. FORSTER WILLI & CO., St. Gall, Switzerland.
Filed Sept. 11, 1947, Serial No. 534,102. Published Feb. 8, 1949. Class 42.

510,876. CANS AND BOTTLES PROVIDED WITH A PUMP MECHANISM IN PLACE OF A CONVENTIONAL CAP, FOR DISPENSING FLUIDS, SUCH AS ALCOHOL AND BABY OIL. MENDA COMPANY, Altadena, Calif.
Filed Sept. 12, 1947, Serial No. 534,304. Published Mar. 22, 1940. Class 2.

510,877. AMINO ACID PREPARATION USEFUL IN THE RELIEF OF INDIGESTION AND ULCER CONDITIONS, AND FOR REGULATING ACID DISBALANCE. DOUGLAS LABORATORIES, INC., Boston, Mass.
Filed Sept. 13, 1947, Serial No. 534,418. Published Feb. 22, 1949. Class 6.

510,878. AMINO ACID PREPARATION USEFUL IN THE RELIEF OF INDIGESTION AND ULCER CONDITIONS, AND FOR REGULATING ACID DISBALANCE. DOUGLAS LABORATORIES, INC., Boston, Mass.
Filed Sept. 13, 1947, Serial No. 534,419. Published Feb. 22, 1949. Class 6.

510,879. JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES, ETC. J. M. FISHER COMPANY, Attleboro, Mass.
Filed Sept. 13, 1947, Serial No. 534,425. Published Mar. 15, 1949. Class 28.

510,880. FRESH VEGETABLES. SALINAS MARKETING COOPERATIVE, Salinas, Calif.
Filed Sept. 16, 1947, Serial No. 534,576. Published Mar. 1, 1949. Class 46.

510,881. MACAROONS. PERRY H. CHIPURNOI, INC., New York, N. Y.
Filed Sept. 17, 1947, Serial No. 534,744. Published Mar. 1, 1949. Class 46.

510,882. SUCTIONALLY ATTACHABLE SMALL BAR RACK FOR VARIOUS USES AS IN THE HOME AND AUTOMOBILE AND THE LIKE TO HOLD GARMENTS, TOWELS OR OTHER LIGHTWEIGHT ARTICLES THAT MIGHT BE HUNG THEREON OR HELD THEREBY. OTTO W. HUETER, Toledo, Ohio.
Filed Sept. 17, 1947, Serial No. 534,780. Published Mar. 1, 1949. Class 13.

510,883. QUILT PATCHES. MILLER BROTHERS COMPANY, Chattanooga, Tenn.
Filed Sept. 10, 1947, Serial No. 535,064. Published Feb. 1, 1949. Class 40.

510,884. MEAT CURING COMPOUND, COMPOSED ENTIRELY OF SALTS. H. J. MAYER & SONS CO., INC., Chicago, Ill.
Filed Sept. 22, 1947, Serial No. 535,249. Published Mar. 1, 1940. Class 6.

510,885. NAIL FILES. ALEXANDER SILVERMAN, Pittsburgh, Pa.
Filed Sept. 22, 1947, Serial No. 535,266. Published Feb. 22, 1949. Class 44.

510,886. OLIVES. MAWER-GOLDEN-ANNIS, INC., Brooklyn, N. Y.
Filed Sept. 25, 1947, Serial No. 535,730. Published Mar. 1, 1949. Class 46.

510,887. WALLETS OR BILLFOLDS. SWANK, INC., Attleboro, Mass.
Filed Sept. 25, 1947, Serial No. 535,760. Published Feb. 22, 1949. Class 3.

510,888. WALLETS OR BILLFOLDS. SWANK, INC., Attleboro, Mass.
Filed Sept. 25, 1947, Serial No. 535,760. Published Feb. 8, 1949. Class 3.

510,889. SINK PLUGS; ANTI-SPLASH DEVICES FOR TAPS; AND FLEXIBLE ATTACHMENTS FOR TAPS ADAPTED TO BE MANIPULATED BY HAND FOR DIRECTING A STREAM OF WATER TO DIFFERENT PARTS OF SINKS FOR RINSING THEM. P. B. COW & CO. LIMITED, London, England.
Filed Sept. 26, 1947, Serial No. 535,822. Published Mar. 1, 1949. Class 13.

510,890. SPECIAL FLEXIBLE TRANSPARENT GLASSINE FOR USE IN WRAPPING CANDY OR UNUSUAL SHAPE ARTICLES THAT REQUIRE A FLEXIBLE MATERIAL. DANIELS MANUFACTURING COMPANY, Rhinelander, Wis.
Filed Sept. 26, 1947, Serial No. 535,830. Published Mar. 8, 1949. Class 37.

510,891. DENTAL BURRS, DENTAL ARMS, DENTAL MOTORS, AND DENTAL CASTING MACHINES. MEISINGER COMPANY, New York, N. Y.
Filed Sept. 26, 1947, Serial No. 535,850. Published Feb. 22, 1949. Class 44.

510,892. HOME FREEZER CABINETS AND PARTS THEREFOR. THE MAYTAG COMPANY, Newton, Iowa.
Filed Sept. 27, 1947, Serial No. 535,981. Published Mar. 8, 1949. Class 31.

510,893. SHEET PAPERS—NAMELY, ENGLISH FINISH BOOK PAPERS, SUPER BOOK PAPERS, MIMEOGRAPH PAPERS, AND GUMMED PAPERS IN SHEETS. SWIGART PAPER COMPANY, Chicago, Ill.
Filed Sept. 27, 1947, Serial No. 536,013. Published Mar. 1, 1949. Class 37.

510,894. PLUMBING FIXTURES — NAMELY, VITREOUS CHINA WATER CLOSETS, AND WATER CLOSET TANKS. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y.
Filed Oct. 4, 1947, Serial No. 536,763. Published Feb. 22, 1949. Class 13.

510,895. RAILWAY TRACK BOLTS, NUTS AND SPIKES. INLAND STEEL COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,810. Published Mar. 1, 1949. Class 15.

510,896. CHILD'S AUXILIARY TOILET SEAT. DORSET-SCHONLAU COMPANY, Culver City, Calif., assignor to David H. Dorsey, Culver City, Calif., doing business as The Dorsey Company.
Filed Oct. 6, 1947, Serial No. 536,878. Published Mar. 1, 1940. Class 13.

510,897. MAPS AND ATLASES. AMERICAN MAP COMPANY, INC., New York, N. Y.
Filed Oct. 7, 1947, Serial No. 536,963. Published Mar. 1, 1949. Class 38.

510,898. TEXTILE FABRICS IN THE PIECE OF SILK, WOOLEN, COTTON, LINEN, NYLON, AND RAYON. DAZIAN'S INC., New York, N. Y., Chicago, Ill., Los Angeles, Calif., Boston, Mass., and Detroit, Mich.
Filed Oct. 7, 1947, Serial No. 537,019. Published Mar. 1, 1949. Class 42.

510,899. GAS MAIN STOPPERS. ELIZABETH A. GOODMAN, doing business as Safety Gas Main Stopper Co., Brooklyn, N. Y.
Filed Oct. 7, 1947, Serial No. 537,037. Published Mar. 1, 1949. Class 13.

510,900. MECHANICALLY GROOVED PHONOGRAPH RECORDS. DECCA RECORDS, INC., New York, N. Y.
Filed Oct. 8, 1947, Serial No. 537,163. Published Mar. 22, 1949. Class 36.

510,901. APPARATUS FOR REGISTERING PRINTING PLATES WITH THEIR CORRESPONDING FIXED REGISTRY ELEMENTS AND FOR APPARATUS FOR RECEIVING AND FACILITATING THE PROPER SETTING OF TWO COACTING AND PLATE FITTED PRINTING ELEMENTS. H. H. HEINRICH, INC., New York, N. Y.
Filed Oct. 8, 1947, Serial No. 537,191. Published Mar. 1, 1949. Class 23.

510,902. WORSTED PIECE GOODS. GUERIN MILLS INC., Woonsocket, R. I.
Filed Oct. 9, 1947, Serial No. 537,311. Published Feb. 8, 1949. Class 42.

510,903. SELF-PROPELLED, EARTH MOVING SCRAPERS. THE HEIL CO., Milwaukee, Wis.
Filed Oct. 9, 1947, Serial No. 537,312. Published Mar. 1, 1949. Class 23.

510,904. SCREW DRIVERS, DRILLS, SCREW DRIVER BITS, AND COUNTERSINKS. NORTH BROTHERS MANUFACTURING COMPANY, Philadelphia, Pa.
Filed Oct. 10, 1947, Serial No. 537,402. Published Mar. 8, 1949. Class 23.

510,905. NEEDLES FOR HAND SEWING, CROCHET HOOKS AND KNITTING NEEDLES FOR HAND USE, AND EMBROIDERY HOOPS. T. BUETTNER & CO., INC., Chicago, Ill.
Filed Oct. 11, 1947, Serial No. 537,548. Published Feb. 8, 1949. Class 40.

510,906. TALKING-MACHINE NEEDLES. W. H. BAGSHAW Co., Lowell, Mass.
Filed Oct. 13, 1947, Serial No. 537,654. Published Mar. 8, 1949. Class 36.

510,907. COAL AND ROCK DRILLS, MACHINES FOR DRILLING COAL AND ROCK, AND PARTS THEREOF. HOWELLS MINING DRILL COMPANY, Plymouth, Pa.
Filed Oct. 14, 1947, Serial No. 537,798. Published Mar. 8, 1949. Class 23.

510,908. LEAD PENCILS. RICHARD BEST PENCIL COMPANY, INC., Springfield, N. J.
Filed Oct. 16, 1947, Serial No. 537,968. Published Feb. 22, 1949. Class 37.

510,909. BLACK LEAD AND COPYING PENCILS. RICHARD BEST PENCIL COMPANY, INC., Springfield, N. J.
Filed Oct. 16, 1947, Serial No. 537,970. Published Feb. 15, 1949. Class 37.

510,910. HOLDERS FOR BABIES' NURSING BOTTLES. FRANK PETTIT, doing business as Pettl-Products Company, Union, N. J.
Filed Oct. 16, 1947, Serial No. 538,037. Published Feb. 22, 1949. Class 44.

510,911. HAND-OPERATED FORKS, HOES, RAKES, SCOOPS, SPADES, SHOVELS. UNITED CO-OPERATIVES, INC., Alliance, Ohio.
Filed Oct. 16, 1947, Serial No. 538,032. Published Mar. 8, 1949. Class 23.

510,912. STEEL SPLIT PULLEYS. THE AMERICAN PULLEY COMPANY, Philadelphia, Pa.
Filed Oct. 17, 1947, Serial No. 538,064. Published Mar. 1, 1949. Class 23.

510,913. EMBOSSING AND PRINTING MACHINES AND PARTS THEREOF. FARRINGTON MANUFACTURING COMPANY, Boston, Mass.
Filed Oct. 18, 1947, Serial No. 538,261. Published Mar. 8, 1949. Class 23.

510,914. MECHANICALLY OPERATED TURNTABLES FOR MOTION DISPLAY OF VEHICLES, FARM MACHINERY AND THE LIKE. HERBERT H. MACK, doing business as The Mosby-Mack Equipment Company, Topeka, Kans.
Filed Oct. 18, 1947, Serial No. 538,307. Published Mar. 1, 1949. Class 23.

510,915. VARIABLE SPEED DRIVING UNITS FOR MACHINES OF VARIOUS TYPES WHICH ARE BROUGHT TOGETHER AND OPERATED IN A MANUFACTURING SYSTEM. SYCO MANUFACTURING CORPORATION, Syracuse, N. Y.
Filed Oct. 21, 1947, Serial No. 538,571. Published Mar. 1, 1949. Class 23.

510,916. DRAWING PAPER, TRACING PAPER, RULED PAPER, PRINTED CHARTS. DIETERICH-POST COMPANY, San Francisco, Calif.
Filed Oct. 22, 1947, Serial No. 538,617. Published Mar. 1, 1949. Class 37.

510,917. HYDRAULIC DUMP UNITS, HYDRAULIC LIFT MECHANISMS FOR DUMP TRUCKS, ETC. THE HEIL CO., Milwaukee, Wis.
Filed Oct. 22, 1947, Serial No. 538,638. Published Mar. 1, 1949. Class 23.

510,918. FLEXIBLE SHEET HANDLING MECHANISMS—NAMELY, SHEET GUIDERS, EXPANDERS, AND PLAITERS, AND PARTS THEREOF, TEXTILE WEFT STRAIGHTENERS, DETWISTERS, SQUEEZERS, AND PARTS THEREOF. MOUNT HOPE MACHINERY COMPANY, Taunton, Mass.
Filed Nov. 1, 1947, Serial No. 539,892. Published Mar. 8, 1949. Class 23.

510,919. SIMULTANEOUS CLARIFICATION PRECIPITATION PROCESS AND APPARATUS INCLUDING CYANIDE PRECIPITATION APPARATUS—NAMELY, CLARIFYING EQUIPMENT, DEAERATING EQUIPMENT, PRECIPITATING FILTERS, FILTER PRESSES, VACUUM FILTER LEAVES, BAG TYPE FILTERS, AND REAGENT FEEDERS FOR USE IN THE RECOVERY OF GOLD AND SILVER FROM CYANIDE SOLUTIONS. THE MERRILL COMPANY, San Francisco, Calif.
Filed Nov. 3, 1947, Serial No. 539,973. Published Mar. 8, 1949. Class 31.

510,920. MINERAL SEPARATION PROCESS EQUIPMENT—NAMELY, SLUICING SLIME FILTERS, CLARIFYING FILTERS, CLASSIFYING CONES, ZINC FEEDERS, FILTER PROCESSES, CYANIDE PRECIPITATION APPARATUS, INCLUDING CLARIFYING EQUIPMENT, DEAERATING EQUIPMENT, PRECIPITATING FILTERS, FILTER PRESSES, VACUUM FILTER LEAVES, BAG TYPE FILTERS, AND REAGENT FEEDERS FOR USE IN THE RECOVERY OF GOLD AND SILVER FROM CYANIDE SOLUTIONS. THE MERRILL COMPANY, San Francisco, Calif.
Filed Nov. 3, 1947, Serial No. 539,974. Published Mar. 8, 1949. Class 31.

510,921. CRAYONS USED FOR MARKING ON METALS, PAPER, WOOD, TEXTILES, GLASS, RUBBER, CHINAWARE, AND PLASTICS. MARKWELL MANUFACTURING CO., INC., New York, N. Y.
Filed Nov. 10, 1947, Serial No. 540,690. Published Mar. 1, 1949. Class 37.

510,922. SILK FABRICS IN THE PIECE. ONONDAGA SILK COMPANY, INC., New York, N. Y.
Filed Nov. 14, 1947, Serial No. 541,171. Published Mar. 1, 1949. Class 42.

510,923. ACID PUMPS AND LOCOMOTIVE PILOTS. ROBB-MEEHAN FOUNDRIES, Chattanooga, Tenn.
Filed Nov. 17, 1947, Serial No. 541,465. Published Mar. 1, 1949. Class 23.

510,924. SHOE LACES. HERMAN B. LAYMON, doing business as World's Products Company, Spencer, Ind.
Filed Nov. 18, 1947, Serial No. 541,553. Published Mar. 1, 1949. Class 40.

510,925. AIR CLEANERS, DUST COLLECTORS, AND MACHINES OR APPARATUS OF A MECHANICAL TYPE UTILIZING WATER AND FANS OR BLOWERS FOR FILTERING OR SEPARATING DUST AND OTHER FOREIGN PARTICLES FROM THE AIR. GIOVANNI C. ZILIOTTO, Lake Orion, Mich.
Filed Nov. 18, 1947, Serial No. 541,622. Published Mar. 8, 1949. Class 23.

510,926. HAIR ROLLERS. BEN-HUR PRODUCTS, INC., New York, N. Y.
Filed Nov. 21, 1947, Serial No. 541,913. Published Feb. 8, 1949. Class 40.

510,927. QUICK FROZEN FRESH SHELLED BLACK-EYE PEAS AND CANNED FRUITS AND VEGETABLES, ETC. PAN-AM FOODS, INC., Brownsville, Tex.
Filed Nov. 21, 1947, Serial No. 541,955. Published Mar. 1, 1949. Class 46.

510,928. WATCHES, WATCH-MOVEMENTS, WATCH-CASES, AND PARTS THEREOF. HARVEL WATCH COMPANY, New York, N. Y.
Filed Nov. 24, 1947, Serial No. 542,123. Published Mar. 8, 1949. Class 27.

510,929. COTTON SHEETINGS. COLUMBUS MANUFACTURING CO., Columbus, Ga.
Filed Aug. 15, 1947, Serial No. 542,224. Published Mar. 1, 1949. Class 42.

510,930. LOCKING PLATES FOR SCREWS AND BOLTS. TINNERMAN PRODUCTS, INC., Cleveland, Ohio.
Filed Aug. 20, 1947, Serial No. 542,239. Published Mar. 1, 1949. Class 13.

510,931. SAXOPHONES, CORNETS, TRUMPETS, TROMBONES, ALTO HORNS, BARITONE HORNS, FRENCH HORNS, MELLOPHONES, BASS HORNS, CLARINETS, OBOES, BASSOONS, AND FLUTES. THE ELKHART BAND INSTRUMENT COMPANY, Elkhart, Ind.
Filed Sept. 22, 1947, Serial No. 542,416. Published Mar. 15, 1949. Class 26.

510,932. ACRYLIC DENTURE MATERIAL. MYERSON TOOTH CORPORATION, Cambridge, Mass.
Filed Nov. 29, 1947, Serial No. 542,778. Published Feb. 8, 1949. Class 44.

510,933. BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER. NEENAH PAPER COMPANY, Neenah, Wis.
Filed Dec. 1, 1947, Serial No. 542,864. Published Mar. 1, 1949. Class 37.

510,934. FINGER RINGS. GRANAT BROS., INC., San Francisco, Calif.
Filed Dec. 2, 1947, Serial No. 542,923. Published Mar. 15, 1949. Class 28.

510,935. WATCHES. EMIL LEICHTER, New York, N. Y.
Filed Dec. 2, 1947, Serial No. 542,958. Published Mar. 8, 1949. Class 27.

510,936. MACHINES FOR MARKING AND ATTACHING PRICE TAGS TO MERCHANDISE BOTH MECHANICALLY AND ELECTRICALLY POWERED. THE MONARCH MARKING SYSTEM COMPANY, Dayton, Ohio.
Filed Sept. 29, 1947, Serial No. 543,028. Published Mar. 8, 1949. Class 23.

510,937. ICE CREAM DISHERS. SCOVILL MANUFACTURING COMPANY, Racine, Wis., and Waterbury, Conn.
Filed Oct. 7, 1947, Serial No. 543,363. Published Mar. 8, 1949. Class 23.

510,938. SUITCASES. ABEL & BACH, INC., Milwaukee, Wis.
Filed Dec. 5, 1947, Serial No. 543,375. Published Feb. 22, 1949. Class 3.

510,939. ASH BINS, ROCK OR GRAVEL BINS, COAL BINS, HOPPERS, AND SETTLING TANKS (SAND AND SEWAGE). THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio.
Filed Dec. 5, 1947, Serial No. 543,457. Published Mar. 15, 1949. Class 2.

510,940. SHAMPOO. R. B. SEMLER, INC., New Canaan, Conn.
Filed Dec. 5, 1947, Serial No. 543,531. Published Mar. 15, 1949. Class 6.

510,941. HAIR TONIC AND SHAMPOO. R. B. SEMLER, INC., New Canaan, Conn.
Filed Dec. 5, 1947, Serial No. 543,534. Published Mar. 15, 1949. Class 6.

510,942. HAIR TONIC. R. B. SEMLER, INC., New Canaan, Conn.
Filed Dec. 5, 1947, Serial No. 543,536. Published Mar. 15, 1949. Class 6.

510,943. FINGER HOLDER FOR MANICURING PURPOSES. THE BOW CORPORATION, Boston, Mass.
Filed Dec. 10, 1947, Serial No. 543,877. Published Feb. 8, 1949. Class 44.

510,944. TANNED LEATHER FROM WHICH BANDS FOR CAPS AND HATS ARE MADE. BRIZEL LEATHER CORPORATION, New York, N. Y.
Filed Dec. 11, 1947, Serial No. 544,048. Published Mar. 15, 1949. Class 1.

510,945. ARTISTS' BRUSHES. M. GRUMBACHER, INC., New York, N. Y.
Filed Dec. 11, 1947, Serial No. 544,084. Published Jan. 4, 1949. Class 29.

510,946. STERLING SILVER FLATWARE—NAMELY, KNIVES, FORKS, SPOONS, BUTTER SPREADERS, BUTTER PICKS, AND JELLY SERVERS. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass.
Filed Dec. 11, 1947, Serial No. 544,113. Published Mar. 15, 1949. Class 28.

510,947. CLEANSING COMPOUND CONTAINING SILICATE OF SODA, ETC. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Oct. 21, 1947, Serial No. 544,653. Published Feb. 15, 1949. Class 4.

510,948. CLOSET ACCESSORIES MADE OF PLASTIC FILM—NAMELY, GARMENT BAGS, ETC. A. L. SIEGEL CO., INC., New York, N. Y.
Filed Dec. 24, 1947, Serial No. 545,398. Published Mar. 8, 1949. Class 2.

510,949. FILING SPINDLES PARTICULARLY ADAPTED FOR OFFICE USE IN THE FILING OF BILLS AND THE LIKE. PILOT DISTRIBUTING COMPANY, Battle Creek, Mich.
Filed Dec. 26, 1947, Serial No. 545,532. Published Feb. 8, 1949. Class 37.

510,950. DRESS SHIELDS. RAND RUBBER COMPANY, INC., Brooklyn, N. Y.
Filed Dec. 29, 1947, Serial No. 545,845. Published Mar. 1, 1949. Class 40.

510,951. BRUSHES—NAMELY, SCRUB, STREET, TOILET, CLOTHES, SPITTOON, WALL, FLOOR, HAIR, HORSE, NAIL, AND HAND; BROOMS AND FLOOR MOPS. OF FIBRE BRUSH COMPANY, INC., Frederick, Md.
Filed Dec. 30, 1947, Serial No. 545,761. Published Jan. 11, 1949. Class 29.

510,952. FACE POWDER. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed Jan. 2, 1948, Serial No. 545,937. Published Mar. 8, 1949. Class 6.

510,953. COMBS AND COIFFURE COMBS, SAID COMBS NOT CONTAINING ANY PRECIOUS OR SEMIPRECIOUS METAL OR STONES. DIADEM, INC., Leominster, Mass.
Filed Jan. 2, 1948, Serial No. 545,964. Published Mar. 1, 1949. Class 40.

510,954. JEWELRY FOR PERSONAL WEAR AND ADORNMENT, ETC. HENRY POMMIER, INC., New York, N. Y.
Filed Jan. 2, 1948, Serial No. 546,032. Published Mar. 8, 1949. Class 28.

510,955. TOILET PAPER TISSUE. WORTENDYKE MANUFACTURING COMPANY, Richmond, Va.
Filed Jan. 2, 1948, Serial No. 546,076. Published Mar. 1, 1949. Class 37.

510,956. LEAD PENCILS. AMERICAN LEAD PENCIL COMPANY, Hoboken, N. J.
Filed Jan. 3, 1948, Serial No. 546,084. Published Mar. 8, 1949. Class 37.

510,957. GLASS WALL TILE. DEARBORN GLASS COMPANY, Chicago, Ill.
Filed Jan. 3, 1948, Serial No. 546,091. Published Feb. 22, 1949. Class 12.

510,958. UMBRELLAS. POLAN, KATZ & COMPANY, INC., Baltimore, Md.
Filed Aug. 18, 1947, Serial No. 546,153. Published Mar. 1, 1949. Class 41.

510,959. PAPER NAPKINS. FORT HOWARD PAPER COMPANY, Green Bay, Wis.
Filed Jan. 5, 1948, Serial No. 546,213. Published Mar. 1, 1949. Class 37.

510,960. BROOMS. ATLANTIC SOUTHWESTERN BROOM CO., Baltimore, Md.
Filed Jan. 6, 1948, Serial No. 546,277. Published Jan. 11, 1949. Class 29.

510,961. MECHANICALLY GROOVED RECORDS FOR PHONOGRAPHS. THE STARR PIANO COMPANY, INC., Richmond, Ind.
Filed Jan. 6, 1948, Serial No. 546,332. Published Mar. 15, 1949. Class 36.

510,962. SOAP. A. BRESLAUER EXPORT CORP., New York, N. Y.
Filed Jan. 7, 1948, Serial No. 546,352. Published Feb. 15, 1949. Class 4.

510,963. SKIN LOTIONS, TOILET CREAM, TOILET POWDER, ETC. GENATOSAN LIMITED, Loughborough, England.
Filed Jan. 7, 1948, Serial No. 546,387. Published Mar. 8, 1949. Class 6.

510,964. KNIVES, FORKS, SPOONS, FOOD PUSHERS, TONGS, ETC. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass.
Filed Jan. 7, 1948, Serial No. 546,432. Published Mar. 15, 1949. Class 28.

510,965. PAPER NAPKINS, PAPER TOWELS, AND TOILET TISSUE. ERVING PAPER MILLS, Erving, Mass.
Filed Jan. 8, 1948, Serial No. 546,474. Published Mar. 1, 1949. Class 37.

510,966. PAPER NAPKINS. ERVING PAPER MILLS, Erving, Mass.
Filed Jan. 8, 1948, Serial No. 546,478. Published Mar. 1, 1949. Class 37.

510,967. CRAYONS. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed Jan. 9, 1948, Serial No. 546,552. Published Mar. 1, 1949. Class 37.

510,968. AIR MAIL WRITING PAPER AND ENVELOPES. AVERICK PAPER COMPANY, New York, N. Y.
Filed Jan. 10, 1948, Serial No. 546,641. Published Jan. 4, 1949. Class 37.

510,969. LADIES' HANDBAGS, MADE OF LEATHER, FABRIC, AND PLASTIC MATERIALS. NORTH BERGEN LEATHER PRODUCTS CO., North Bergen, N. J.
Filed Jan. 14, 1948, Serial No. 547,024. Published Jan. 25, 1949. Class 3.

510,970. WATER SOLUBLE COLORED INDELIBLE PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Jan. 20, 1948, Serial No. 547,521. Published Feb. 8, 1949. Class 37.

510,971. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Jan. 20, 1948, Serial No. 547,522. Published Feb. 8, 1949. Class 37.

510,972. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Jan. 20, 1948, Serial No. 547,526. Published Feb. 8, 1949. Class 37.

510,973. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Jan. 20, 1948, Serial No. 547,529. Published Feb. 15, 1949. Class 37.

510,974. RED IRON OXIDE ADAPTED ESPECIALLY FOR RUBBER MANUFACTURE. C. K. WILLIAMS & Co., Easton, Pa., assignor to C. K. Williams & Co., East St. Louis, Ill., a corporation of Delaware.
Filed Jan. 20, 1948, Serial No. 547,595. Published Mar. 8, 1949. Class 6.

510,975. MECHANICAL PENCILS. BROWN & BIGELOW, St. Paul, Minn.
Filed Jan. 21, 1948, Serial No. 547,613. Published Mar. 8, 1949. Class 37.

510,976. PIECE GOODS OF COTTON, SILK, RAYON, NYLON, LINEN, HEMP, WOOL, WORSTED OR HAIR, OR MIXTURES OF THESE MATERIALS. WILLIAM PICKLES & COMPANY LIMITED, Manchester, England.
Filed Jan. 21, 1948, Serial No. 547,682. Published Mar. 1, 1949. Class 42.

510,977. COATED AND UNCOATED FABRICS IN THE PIECE, OF COTTON, LINEN, SYNTHETIC FIBRES, AND COMBINATIONS THEREOF, FOR USE AS WINDOW SHADES. BARRET TEXTILE CORPORATION, New York, N. Y.
Filed Jan. 23, 1948, Serial No. 547,819. Published Mar. 1, 1949. Class 42.

510,978. SHEETS AND PILLOW CASES. PACIFIC MILLS, New York, N. Y., and Boston, Mass.
Filed Jan. 23, 1948, Serial No. 547,870. Published Mar. 1, 1949. Class 42.

510,979. BROOMS. YOUNG BROOM CO., INC., West Springfield, Mass.
Filed Jan. 23, 1948, Serial No. 547,884. Published Jan. 4, 1949. Class 29.

510,980. BRUSHES FOR APPLYING COLORING TO THE HAIR. ROUX DISTRIBUTING CO. INC., New York, N. Y.
Filed Jan. 24, 1948, Serial No. 547,942. Published Jan. 11, 1949. Class 29.

510,981. CLEANER AND DETERGENT FOR DISHES, UTENSILS, SILVERWARE, AND GLASSWARE. ALLIED HOME PRODUCTS CORPORATION, Beloit, Wis.
Filed Jan. 26, 1948, Serial No. 547,956. Published Mar. 1, 1949. Class 4.

510,982. MOPS, BROOMS, AND BRUSHES. JANITORS SUPPLY HOUSE, INCORPORATED, Baltimore, Md.
Filed Jan. 26, 1948, Serial No. 547,997. Published Jan. 11, 1949. Class 29.

510,983. FEATURE ADVERTISING, SOLD AS SUCH. WILLIAM G. GRAYELL, doing business as Lakewood Products Company, Norwalk, Ohio.
Filed Jan. 31, 1948, Serial No. 548,497. Published Mar. 1, 1949. Class 38.

510,984. LEATHER, MORE SPECIFICALLY FULL GRAIN SIDES, IN ELK, SMOOTH, OR EMBOSSED LEATHER. A. H. ROSS AND SONS, CO., Chicago, Ill.
Filed Feb. 9, 1948, Serial No. 549,174. Published Mar. 15, 1949. Class 1.

510,985. LEATHER, MORE SPECIFICALLY FULL GRAIN SIDES, IN ELK, SMOOTH, OR EMBOSSED LEATHER. A. H. ROSS AND SONS, CO., Chicago, Ill.
Filed Feb. 9, 1948, Serial No. 549,175 Published Mar. 15, 1949. Class 1.

510,986. PAPER IN THE SHEET AND IN THE ROLL—NAMELY, TISSUE PAPER, WRAPPING PAPER, AND WRITING PAPER. ALDINE PAPER COMPANY, INC., New York, N. Y.
Filed Feb. 10, 1948, Serial No. 549,213. Published Mar. 1, 1949. Class 37.

510,987. SUGAR BEET SEED. THE GREAT WESTERN SUGAR COMPANY, Denver, Colo.
Filed Feb. 12, 1948, Serial No. 549,540. Published Mar. 15, 1949. Class 1.

510,988. SUGAR BEET SEED. THE GREAT WESTERN SUGAR COMPANY, Denver, Colo.
Filed Feb. 12, 1948, Serial No. 549,541. Published Mar. 15, 1949. Class 1.

510,989. WRITING AND PRINTING PAPER. P. H. GLATFELTER COMPANY, Spring Grove, Pa.
Filed Feb. 13, 1948, Serial No. 549,653. Published Mar. 8, 1949. Class 37.

510,990. BATH TOWELS. H. W. BAKER LINEN COMPANY, New York, N. Y.
Filed Feb. 16, 1948, Serial No. 549,860. Published Feb. 8, 1949. Class 42.

510,991. SOFT COAL. CENTRAL INDIANA COAL COMPANY, INC., Indianapolis, Ind.
Filed Feb. 18, 1948, Serial No. 550,020. Published Mar. 15, 1949. Class 1.

510,992. PERFUME, TOILET WATER, EAU DE COLOGNE, FACE POWDER, BATH POWDER, TALCUM POWDER, LIPSTICKS, AND LIP OIL. CHANEL, INC., New York, N. Y.
Filed Feb. 19, 1948, Serial No. 550,120. Published Mar. 8, 1949. Class 6.

510,993. GREETING CARDS AND PRINTED SEALS. ATTLEBORO PRINTING & EMBOSSING CO., INC., Attleboro, Mass.
Filed Feb. 21, 1948, Serial No. 550,202. Published Mar. 8, 1949. Class 38.

510,994. FABRIC IN THE PIECE, MADE OF SPUN RAYON FIBRES—NAMELY, REGENERATED CELLULOSE FIBRES AND CELLULOSE ACETATEE FIBRES OR MIXTURES THEREOF. CHARMETTE FABRICS COMPANY, INC., New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,487. Published Mar. 1, 1949. Class 42.

510,995. KNITTING PINS. THE BOYE NEEDLE COMPANY, Chicago, Ill.
Filed Feb. 26, 1948, Serial No. 550,578. Published Mar. 1, 1949. Class 40.

510,996. SODIUM SALT OF CARBOXYMETHYL CELLULOSE AS AN ADDITIVE FOR DRILLING MUDS. DRILLING SPECIALTIES COMPANY, Bartlesville, Okla.
Filed Feb. 27, 1948, Serial No. 550,675. Published Mar. 15, 1949. Class 6.

510,997. ILLUSTRATED MAGAZINE. GOODMAN MANUFACTURING COMPANY, Chicago, Ill.
Filed Feb. 27, 1948, Serial No. 550,686. Published Mar. 8, 1949. Class 38.

510,998. BOOKS, CONTAINING PRINTED LITERARY AND ARTISTIC WORKS. THE NEW AMERICAN LIBRARY OF WORLD LITERATURE, INC., New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,817. Published Mar. 8, 1949. Class 38.

510,999. SALES PROMOTIONAL PUBLICATIONS FOR EMPLOYEES AND INDEPENDENT CONTRACTORS PUBLISHED FROM TIME TO TIME. PANTHER OIL & GREASE MFG. CO., Fort Worth, Tex.
Filed Mar. 5, 1948, Serial No. 551,306. Published Mar. 8, 1949. Class 38.

511,000. PAPER PATTERNS FOR MAKING CLOTHING. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Mar. 6, 1948, Serial No. 551,405. Published Mar. 1, 1949. Class 26.

511,001. SHOULDER PADS USED IN FEMININE WEARING APPAREL. ELIZABETH DARWIN, Hollywood, Calif.
Filed Mar. 11, 1948, Serial No. 551,699. Published Jan. 18, 1949. Class 40.

511,002. THERMAL INSULATING MATERIAL IN SHEET FORM MADE FROM PAPER. INSUL-WOOL INSULATION CORP., Wichita, Kans.
Filed Mar. 15, 1948, Serial No. 551,976. Published Feb. 22, 1949. Class 12.

511,003. TRUNKS, HANDBAGS, SUITCASES, OVERNIGHT BAGS, MUSETTE BAGS, VALISES, AND BRIEF CASES ALL MADE OF LEATHER. T. J. REGNIER, INCORPORATED, doing business as Weeks Incorporated, Springfield, Mass.
Filed Mar. 15, 1948, Serial No. 552,007. Published Jan. 18, 1949. Class 3.

511,004. CIGARETTE LIGHTERS, CIGARETTE CASES, COMPACTS, VANITY CASES, TOILETWARE, MADE IN WHOLE OF, IN PART OF, AND/OR PLATED WITH PRECIOUS METALS. EVANS CASE CO., North Attleboro, Mass.
Filed Mar. 16, 1948, Serial No. 552,048. Published Mar. 8, 1949. Class 28.

511,005. PERIODICAL PUBLISHED FROM TIME TO TIME. RICHARD HUDNUT, New York, N. Y.
Filed Mar. 17, 1948, Serial No. 552,145. Published Mar. 8, 1949. Class 38.

511,006. PENICILLIN PREPARATION FOR USE AS ANTI-BIOTIC. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed Mar. 17, 1948, Serial No. 552,193. Published Feb. 22, 1949. Class 6.

511,007. MILK FILTER DISCS, BAGS, FLATS, SQUARES, AND TUBES MADE OF FLANNEL, AND SEDIMENT TESTER DISCS FOR MILK AND CREAM. SCHWARTZ MANUFACTURING COMPANY, Two Rivers, Wis.
Filed Mar. 18, 1948, Serial No. 552,274. Published Mar. 8, 1949. Class 51.

511,008. SEWING KITS COMPRISING MEASURING TAPES AND RULES, ETC. C. J. BATES & SON, Chester, Conn.
Filed Dec. 13, 1947, Serial No. 552,332. Published Mar. 1, 1949. Class 40.

511,009. CROCHET HOOKS AND KNITTING NEEDLES FOR HAND USE. C. J. BATES & SON, Chester, Conn.
Filed Dec. 13, 1947, Serial No. 552,333. Published Mar. 1, 1949. Class 40.

511,010. CERTAIN PRECISION INSTRUMENTS—NAMELY, (1) OUTSIDE DIAMETER COMPARATOR GAGES, (2) PLUG GAGES, RING GAGES AND FIXTURE GAGES. SWEDISH GAGE COMPANY OF AMERICA, Detroit, Mich.
Filed Dec. 15, 1947, Serial No. 552,344. Published Mar. 8, 1949. Class 26.

511,011. HOUSE-ORGAN MAGAZINE. RALSTON PURINA COMPANY, St. Louis, Mo.
Filed Mar. 22, 1948, Serial No. 552,710. Published Mar. 1, 1949. Class 38.

511,012. REFRIGERATING APPARATUS—NAMELY, ICE-CUBE-MAKING DEVICES. ICE-FLO CORPORATION, Lonsdale, R. I.
Filed Mar. 23, 1948, Serial No. 552,783. Published Mar. 8, 1949. Class 31.

511,013. GRIPS IN THE NATURE OF BUCKLES FOR GARMENT SUPPORTERS. A. STEIN & COMPANY, Chicago, Ill.
Filed Mar. 24, 1948, Serial No. 552,893. Published Mar. 1, 1949. Class 40.

511,014. HANDBAGS. LILLY DACHE, INC., New York, N. Y.
Filed Mar. 25, 1948, Serial No. 552,955. Published Mar. 8, 1949. Class 3.

511,015. BRAZING AND SOLDERING FLUX. STANDARD METALS CORPORATION, North Attleboro, Mass.
Filed Mar. 26, 1948, Serial No. 553,139. Published Mar. 8, 1949. Class 6.

511,016. PERIODIC PUBLICATION. WILSON L. HANDLEY, doing business as Modern Homeways, Topeka, Kans.
Filed Mar. 30, 1948, Serial No. 553,366. Published Mar. 1, 1949. Class 38.

511,017. SADDLES, SADDLE TREES, AND SADDLE TREE HORNS. N. PORTER SADDLE AND HARNESS COMPANY, Phoenix, Ariz.
Filed Mar. 31, 1948, Serial No. 553,510. Published Mar. 8, 1949. Class 3.

511,018. PENICILLIN COMPOUNDS. BRISTOL LABORATORIES INC., Syracuse, N. Y., assignor to Schenley Laboratories, Inc., New York, N. Y., a corporation of Delaware.
Filed Apr. 10, 1948, Serial No. 554,292. Published Mar. 1, 1949. Class 6.

511,019. PERIODICAL PUBLICATION. MARION HANCOCK, Brewster, N. Y.
Filed Apr. 12, 1948, Serial No. 554,376. Published Mar. 8, 1949. Class 38.

511,020. COPPER COSTUME JEWELRY. JACK MICHELSON, doing business as Bell Indian Trading Post, Albuquerque, N. Mex.
Filed Apr. 12, 1948, Serial No. 554,390. Published Mar. 1, 1949. Class 28.

511,021. CHEST TYPE FREEZERS, HOUSEHOLD REFRIGERATORS, COMMERCIAL REFRIGERATORS, REFRIGERATOR UNITS AND PARTS THEREOF. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed Apr. 15, 1948, Serial No. 554,674. Published Mar. 8, 1949. Class 31.

511,022. WALLETS. D. A. SCHULTE, INC., New York, N. Y.
Filed Apr. 15, 1948, Serial No. 554,720. Published Feb. 1, 1949. Class 3.

511,023. MONTHLY PUBLICATION. AMERICAN PRESS ASSOCIATION, Chicago, Ill., New York, N. Y., Detroit, Mich., and Dallas, Tex.
Filed Apr. 19, 1948, Serial No. 554,941. Published Mar. 8, 1949. Class 38.

511,024. PERIODICAL. SHIPPING DIGEST, INC., New York, N. Y.
Filed Apr. 19, 1948, Serial No. 555,019. Published Mar. 8, 1949. Class 38.

511,025. TRADE PUBLICATIONS. MYER HALPER, doing business as Halper Publishing Co., Chicago, Ill.
Filed Apr. 21, 1948, Serial No. 555,175. Published Mar. 8, 1949. Class 38.

511,026. MAGAZINE. ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill.
Filed Apr. 21, 1948, Serial No. 555,218. Published Mar. 8, 1949. Class 38.

511,027. MAGAZINE. ZIFF-DAVIS PUBLISHING COMPANY, Chicago, Ill.
Filed Apr. 21, 1948, Serial No. 555,219. Published Mar. 8, 1949. Class 38.

511,028. PERFUMED LIQUID SKIN LOTIONS. J. S. ST. B. BAKER, London, England.
Filed Apr. 22, 1948, Serial No. 555,333. Published Mar. 15, 1949. Class 6.

511,029. HAIR CURLERS, EYELASH CURLERS, AND REFILLS FOR EYELASH CURLERS. CURVEX CORPORATION, New York, N. Y.
Filed Apr. 26, 1948, Serial No. 555,506. Published Jan. 18, 1949. Class 40.

511,030. CLEANING COMPOUND IN PULVERULENT FORM. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed Apr. 29, 1948, Serial No. 555,803. Published Feb. 15, 1949. Class 4.

511,031. ELECTRICAL HEARING AIDS. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y.
Filed May 1, 1948, Serial No. 555,995. Published Feb. 22, 1949. Class 44.

511,032. ORGANIZATION PERIODICAL PUBLISHED QUARTERLY. NATIONAL CONGRESS OF COLORED PARENTS AND TEACHERS, Miami, Fla.
Filed May 6, 1948, Serial No. 556,348. Published Mar. 8, 1949. Class 38.

511,033. COTTON PIECE GOODS. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed May 7, 1948, Serial No. 556,470. Published Feb. 8, 1949. Class 42.

511,034. NON-WOVEN CLOTH IN THE ROLL FOR CLEANING, POLISHING, AND LIKE PURPOSES. ESSENTIAL PRODUCTS, INC., Chicago, Ill.
Filed May 11, 1948, Serial No. 556,787. Published Feb. 8, 1949. Class 42.

511,035. PIECE GOODS, MADE OF WOOLEN, LINEN, COTTON, RAYON, AND COMBINATIONS THEREOF FIBRES. ROBERT BRENNER, doing business as Raybrand Textile Company, New York, N. Y.
Filed May 17, 1948, Serial No. 557,175. Published Feb. 22, 1949. Class 42.

511,036. ELECTRICALLY DRIVEN ICE CREAM FREEZERS. LOUISVILLE ELECTRIC MANUFACTURING COMPANY, Louisville, Ky.
Filed May 18, 1948, Serial No. 557,286. Published Mar. 8, 1949. Class 31.

511,037. INORGANIC PHOSPHATES AND ALUMINA IN THE FORM OF PARTICULATE SOLIDS FOR GENERAL USE IN THE INDUSTRIAL ARTS AS ABRASIVES AND POLISHING AGENTS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed May 21, 1948, Serial No. 557,547. Published Feb. 15, 1949. Class 4.

511,038. SYNTHETIC DETERGENT COMPOSITIONS FOR GENERAL CLEANING PURPOSES. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed May 26, 1948, Serial No. 557,862. Published Feb. 22, 1949. Class 4.

511,039. CHEMICAL COMPOSITION FOR USE AS RUST REMOVER. SERVICE INDUSTRIES, Philadelphia, Pa.
Filed May 26, 1948, Serial No. 557,872. Published Mar. 8, 1949. Class 6.

511,040. WHITE LEATHER THONGS, SHOE AND SKATE LACES. CALIFORNIA TANNING COMPANY, St. Louis, Mo.
Filed June 1, 1948, Serial No. 558,214. Published Mar. 8, 1949. Class 40.

511,041. PENICILLIN PREPARATIONS FOR USE AS ANTI-BIOTICS. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed June 1, 1948, Serial No. 558,262. Published Mar. 1, 1949. Class 6.

511,042. SASH CORD, AWNING CORD, AND CLOTHESLINES. FRANK W. WINNE & SON, INC., Philadelphia, Pa.
Filed June 1, 1948, Serial No. 558,264. Published Feb. 1, 1949. Class 7.

511,043. SAFETY PINS. STORK PINS COMPANY, New York, N. Y.
Filed June 2, 1948, Serial No. 558,324. Published Mar. 8, 1949. Class 40.

511,044. MILLINERY BRAIDS. ARMAND SCHWAB & CO., INC., New York, N. Y.
Filed June 8, 1948, Serial No. 558,742. Published Mar. 8, 1949. Class 40.

511,045. RUFFLINGS, NOVELTY TRIMMINGS, AND SKIRT FACINGS. H. FLANZER & SON, New York, N. Y.
Filed June 11, 1948, Serial No. 559,014. Published Jan. 18, 1949. Class 40.

511,046. YARN. THE AMERICAN THREAD COMPANY, New York, N. Y.
Filed June 16, 1948, Serial No. 559,266. Published Feb. 1, 1949. Class 43.

511,047. PHONOGRAPH NEEDLES. PERMO INCORPORATED, Chicago, Ill.
Filed Mar. 17, 1948, Serial No. 559,431. Published Mar. 15, 1949. Class 36.

511,048. PHARMACEUTICAL PRODUCT CONTAINING POLYAMINE RESIN AND GASTRIC MUCIN, INDICATED FOR THE TREATMENT OF PEPTIC ULCERS. NUTRITION RESEARCH LABORATORIES, Chicago, Ill.
Filed June 17, 1948, Serial No. 559,534. Published Mar. 8, 1949. Class 6.

511,049. PHARMACEUTICAL PRODUCT CONTAINING POLYAMINE RESIN AND GASTRIC MUCIN, INDICATED FOR THE TREATMENT OF PEPTIC ULCERS. NUTRITION RESEARCH LABORATORIES, Chicago, Ill.
Filed June 17, 1948, Serial No. 559,535. Published Mar. 15, 1949. Class 6.

511,050. SHOE LACES. CHARLES P. SCHAEFFER, doing business as Schaeffer & Company, Reading, Pa.
Filed June 23, 1948, Serial No. 560,056. Published Jan. 25, 1949. Class 40.

511,051. FLACCID PREPARATION FOR APPLICATION TO THE HAIR AND SCALP, ETC. MAE WOODS, doing business as The May Woods Co., Omaha, Nebr.
Filed June 23, 1948, Serial No. 560,077. Published Mar. 8, 1949. Class 6.

511,052. ART NEEDLEWORK YARNS. BERNHARD ULMANN CO. INC., Long Island City, N. Y.
Filed July 2, 1948, Serial No. 560,667. Published Feb. 8, 1949. Class 43.

511,053. COTTON YARN. AMERICAN YARN AND PROCESSING COMPANY, Mount Holly, N. C.
Filed July 12, 1948, Serial No. 561,178. Published Feb. 8, 1949. Class 43.

511,054. COTTON AND RAYON FABRICS. PRESTON S. SCHWARZ, New York, N. Y.
Filed July 20, 1948, Serial No. 561,775. Published Feb. 22, 1949. Class 42.

511,055. PIECE GOODS COMPRISING A MIXTURE OF WOOL AND MOHAIR. AMERICAN WOOLEN COMPANY, New York, N. Y.
Filed July 30, 1948, Serial No. 562,519. Published Mar. 1, 1949. Class 42.

511,056. DIATOMACEOUS EARTH, KIESELGUHR, AND INFUSORIAL EARTH FILLERS ESPECIALLY PREPARED FOR USE IN POLISHES AND MILD ABRASIVES. GREAT LAKES CARBON CORPORATION, Chicago, Ill.
Filed Aug. 3, 1948, Serial No. 562,699. Published Mar. 1, 1949. Class 4.

511,057. WOOLEN PIECE GOODS. H. W. SCHWAB TEXTILE CORP., New York, N. Y.
Filed Aug. 7, 1948, Serial No. 563,011. Published Mar. 1, 1949. Class 42.

511,058. COTTON DRILLS AND TWILLS IN THE PIECE USED FOR SHIRTINGS AND UNIFORM FABRICS. H. W. SCHWAB TEXTILE CORP., New York, N. Y.
Filed Aug. 7, 1948, Serial No. 563,012. Published Mar. 1, 1949. Class 42.

511,059. UNIFORM FABRICS—VIZ., COTTON AND WOOLEN PIECE GOODS. H. W. SCHWAB TEXTILE CORP., New York, N. Y.
Filed Aug. 7, 1948, Serial No. 563,013. Published Mar. 1, 1949. Class 42.

511,060. ELECTRIC CLOCKS. FORD MOTOR COMPANY, Dearborn, Mich.
Filed Nov. 20, 1948, Serial No. 569,137. Published Mar. 8, 1949. Class 27.

511,061. LOCKS, IGNITION SWITCH LOCKS, FUEL TANK LOCKING CAPS, AND FUEL TANK FILLER LID LOCKS. FORD MOTOR COMPANY, Dearborn, Mich.
Filed Nov. 20, 1948, Serial No. 569,140. Published Mar. 8, 1949. Class 25.

511,062. CANES AND UMBRELLAS. B. ALTMAN & CO., New York, N. Y.
Filed Dec. 8, 1948, Serial No. 570,179. Published Feb. 22, 1949. Class 41.

Service Marks

511,063. HOTEL MANAGEMENT — NAMELY, THE OPERATION OF HOTELS AND TOURIST COURTS. FEDERAL UNDERWRITERS, Dallas, Tex.
Filed July 5, 1947, Serial No. 526,995. Published Feb. 22, 1949. Class 55.

511,064. TELEPHONE ANSWERING SERVICE. TELANSERPHONE, New York, N. Y., assignor to Telanserphone Inc., New York, N. Y., a corporation of Delaware.
Filed July 5, 1947, Serial No. 527,111. Published Mar. 8, 1949. Class 55.

511,065. FIRE EXTENDED COVERAGE, WINDSTORM (INCLUDING HAIL), RIOT AND CIVIL COMMOTION, ETC. NORTHWESTERN MUTUAL FIRE ASSOCIATION, Seattle, Wash.
Filed July 26, 1947, Serial No. 529,680. Published Feb. 22, 1949. Class 55.

511,066. ADVERTISING SERVICE EMPLOYING PERSONAL VISITS TO SPECIAL GROUPS OF PROSPECTIVE PURCHASERS BY A REPRESENTATIVE OF THE SERVICE ORGANIZATION AND THE PRESENTATION OF SAMPLE GIFTS FROM THE SALES ORGANIZATIONS USING THE SERVICE. WELCOME WAGON SERVICE COMPANY, INC., Memphis, Tenn., and New York, N. Y.
Filed Oct. 18, 1947, Serial No. 538,326. Published Feb. 8, 1949. Class 55.

511,067. FIRE AND MARINE INSURANCE. NORTHWESTERN FIRE & MARINE INSURANCE COMPANY, Minneapolis, Minn.
Filed Oct. 20, 1947, Serial No. 538,440. Published Mar. 1, 1949. Class 55.

511,068. TRANSACTION OF COMMERCIAL, SAVINGS, INVESTMENT AND FOREIGN BANKING, TRUST AND REAL ESTATE LOAN BUSINESS. THE FIRST NATIONAL BANK OF CHICAGO, Chicago, Ill.
Filed Dec. 1, 1947, Serial No. 542,846. Published Mar. 15, 1949. Class 55.

511,069. CASUALTY INSURANCE AND FIDELITY AND SURETY BONDING. LUMBERMENS MUTUAL CASUALTY COMPANY, Chicago, Ill.
Filed Dec. 5, 1947, Serial No. 543,504. Published Mar. 15, 1949. Class 55.

511,070. CASUALTY INSURANCE AND FIDELITY AND SURETY BONDING. LUMBERMENS MUTUAL CASUALTY COMPANY, Chicago, Ill.
Filed Dec. 10, 1947, Serial No. 543,948. Published Mar. 15, 1949. Class 55.

511,071. PROCESSING SERVICE WHEREIN FABRICS ARE PROCESSED IN ACCORDANCE WITH INSTRUCTIONS AND THE COMPLETED PRODUCT RETURNED TO THE OWNER, SUCH SERVICES INCLUDING BLEACHING, MERCERIZING, DYEING, AND PRINTING OF TEXTILE FABRICS. COLD SPRING BLEACHERY, Yardley, Pa.
Filed Dec. 11, 1947, Serial No. 544,057. Published Mar. 1, 1949. Class 55.

511,072. SERVICES IN TRANSPORTING PASSENGERS BY MOTOR BUS FOR HIRE, (1) BY SCHEDULED SERVICE BETWEEN POINTS IN DIFFERENT STATES, AND (2) BY CHARTER AND SPECIAL SERVICE BETWEEN POINTS IN DIFFERENT STATES. PUBLIC SERVICE INTERSTATE TRANSPORTATION COMPANY, Newark, N. J.
Filed Dec. 16, 1947, Serial No. 544,461. Published Mar. 15, 1949. Class 55.

511,073. SERVICES IN TRANSPORTING PASSENGERS BY MOTOR BUS FOR HIRE, ETC. PUBLIC SERVICE INTERSTATE TRANSPORTATION COMPANY, Newark, N. J.
Filed Dec. 16, 1947, Serial No. 544,462. Published Mar. 8, 1949. Class 55.

511,074. SHRINKING OF TEXTILE FABRICS IN THE PIECE. AMERICAN-LONDON-SHRINKERS CORPORATION, New York, N. Y.
Filed Dec. 17, 1947, Serial No. 544,528. Published Mar. 1, 1949. Class 55.

511,075. BROKERAGE IN INSURANCE—NAMELY, LIFE, ACCIDENT, COMPENSATION, LIABILITY, AUTO, FIRE, PLATE GLASS, MARINE AND BURGLARY; BONDING; ETC. W. A. ALEXANDER & Co., Chicago, Ill.
Filed Mar. 2, 1948, Serial No. 550,982. Published Mar. 1, 1949. Class 35.

511,076. ACCIDENT, HEALTH AND HOSPITALIZATION INSURANCE SERVICES. CONTINENTAL CASUALTY COMPANY, Chicago, Ill.
Filed Mar. 10, 1948, Serial No. 552,916. Published Mar. 8, 1949. Class 35.

511,077. GENERAL PRACTICE OF CERTIFIED PUBLIC ACCOUNTANCY. SEIDMAN & SEIDMAN, New York, N. Y.
Filed Apr. 30, 1948, Serial No. 555,966. Published Mar. 1, 1949. Class 35.

511,078. RAILWAY PASSENGER AND FREIGHT TRANSPORTATION SERVICES. THE CHESAPEAKE AND OHIO RAILWAY COMPANY, Cleveland, Ohio.
Filed May 27, 1948, Serial No. 557,891. Published Mar. 15, 1949. Class 35.

511,079. RAILWAY PASSENGER TRANSPORTATION SERVICES. THE CHESAPEAKE AND OHIO RAILWAY COMPANY, Cleveland, Ohio.
Filed May 27, 1948, Serial No. 557,892. Published Mar. 15, 1949. Class 35.

511,080. RAILWAY PASSENGER TRANSPORTATION SERVICES. THE CHESAPEAKE AND OHIO RAILWAY COMPANY, Cleveland, Ohio.
Filed May 27, 1948, Serial No. 557,893. Published Mar. 15, 1949. Class 35.

511,081. RAILWAY PASSENGER TRANSPORTATION SERVICES. THE CHESAPEAKE AND OHIO RAILWAY COMPANY, Cleveland, Ohio.
Filed May 27, 1948, Serial No. 557,894. Published Mar. 15, 1949. Class 35.

511,082. RAILWAY PASSENGER TRANSPORTATION SERVICES. THE CHESAPEAKE AND OHIO RAILWAY COMPANY, Cleveland, Ohio.
Filed May 27, 1948, Serial No. 557,895. Published Mar. 15, 1949. Class 35.

511,083. RAILWAY PASSENGER TRANSPORTATION SERVICES. THE CHESAPEAKE AND OHIO RAILWAY COMPANY, Cleveland, Ohio.
Filed May 27, 1948, Serial No. 557,897. Published Mar. 15, 1949. Class 35.

511,084. SHRINKING FABRICS. EASTERN TEXTILE SHRINKERS, INC., New York, N. Y.
Filed July 28, 1948, Serial No. 562,596. Published Mar. 15, 1949. Class 35.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

511,085. (CLASS 37. PAPER AND STATIONERY.) AMERICAN REGISTER COMPANY, Boston, Mass. Filed Mar. 5, 1948, Serial No. 501,354.

Redi-2-Rite

FOR PRINTED MANIFOLDING FORMS, THAT IS FORMS PRINTED, BUT HAVING BLANK SPACES OR AREAS TO RECEIVE INSCRIPTIONS BY A MANIFOLDING OPERATION.
Claims use since Apr. 1, 1946.

511,086. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) LEO H. KAL, doing business under the name of The Kal Craft Co., Chicago, Ill. Filed June 16, 1948, Serial No. 504,981.



FOR LUMINOUS PAINT KITS, CONSISTING OF A BOX OR CARTON CONTAINING A ONE-OUNCE BOTTLE OF LIQUID VEHICLE, A ONE-OUNCE BOTTLE OF LIQUID PRIMER AND PROTECTOR COAT, ONE-HALF-OUNCE BOTTLE OF LUMINOUS PIGMENT, ONE SMALL PAINT BRUSH, ONE MIXING CUP, ONE WOODEN STIRRING ROD, AN INSTRUCTION PAMPHLET.
Claims use since June 15, 1946.

511,087. (CLASS 37. PAPER AND STATIONERY.) WINIFRED L. OLDROYD, Milford, Conn. Filed Mar. 3, 1948, Serial No. 506,954.



FOR FASHION FIGURE DRAWING PADS.
Claims use since June 1, 1946.

511,088. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) SAFIA PLAN, INC., New York, N. Y. Filed Mar. 8, 1949, Serial No. 511,701.

QUALITY MARVIN TEXTILES FABRICS

FOR RAYON, COTTON AND WOOL FABRICS IN THE GREIGE.
Claims use since Aug. 15, 1946.

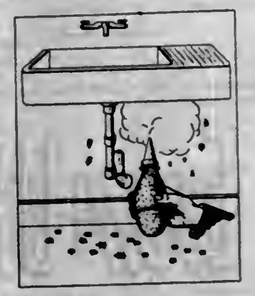
511,089. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) CORO, INC., New York, N. Y. Original filed Apr. 29, 1948; application filed complete Mar. 19, 1949, Serial No. 513,609.

America's best dressed women wear Coro jewelry...

FOR NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME: BEADS, PINS, HAT ORNAMENTS, COMPACTS, COMB CASES, AND JEWELRY INITIALS.
Claims use since March 1946.

511,090. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORENTINO M. CABIGAS, New York, N. Y. Filed July 29, 1948, Serial No. 515,745.

Florentino M. Cabigas



FOR INSECTICIDES.
Claims use since Nov. 7, 1946.

511,091. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MALT-A-PLENTY, INC., Tulsa, Okla. Original filed Feb. 18, 1948; application filed complete Mar. 16, 1949, Serial No. 515,958.

Plenty-Burger

FOR CHOPPED MEAT SANDWICHES.
Claims use since July 7, 1946.

511,092. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) FLINTRIDGE CHINA, Pasadena, Calif. Filed Dec. 15, 1947, Serial No. 517,808.

FLINTRIDGE CHINA

Applicant disclaims any right to the descriptive word "China."
FOR DINNER WARE MANUFACTURED OF CLAY.
Claims use since Jan. 2, 1946.

511,093. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CALIFORNIA THERAPY EQUIPMENT, INC., Los Angeles, Calif. Filed July 30, 1948, Serial No. 518,386.

DRI-AIRE California Lamp

FOR THERAPEUTIC LAMPS.
Claims use since Feb. 1, 1947.

511,094. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) LAWRENCE E. GOELLER, doing business as Kippy-Kit Company, Circleville, Ohio. Filed May 24, 1948, Serial No. 519,188.

KLIPPER KIT

Applicant claims ownership of Registration No. 237,292.
FOR TRAVELLING KIT CONTAINING A CLOTHES-BRUSH, COMB, NAIL FILE, NAIL NIPPERS, SHOE CLOTH, AND BOTTLE OPENER, SOLD AS A UNIT IN A LEATHER CASE.
Claims use since Feb. 13, 1947.

511,095. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JACOB E. POLLACK, Dundalk, Md. Filed May 26, 1948, Serial No. 520,298.

Sanitex DISPOS-A BRUSH DENTIFRICE DIPPED

The lining is intended for the purpose of shading only.
FOR TOOTHBRUSHES.
Claims use since Mar. 21, 1947.

511,096. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM ROSENKRANZ, doing business as The Zo-Tite Products Co., Ozone Park, Long Island, N. Y. Filed Dec. 6, 1948, Serial No. 522,750.

BLOCK SAVER

FOR PREPARATION CONSISTING OF A COMBINATION OF FINE GROUND METALS AND CHEMICAL POWDERS FOR REPAIRING CRACKS IN IRON AND METAL MOTOR PARTS OF VEHICLES.
Claims use since Apr. 17, 1947.

511,097. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCALLY'S IMPERIAL IMPORTING CO., Brooklyn, N. Y. Original filed June 5, 1947, under the act of 1905; amended to application under act of 1946, July 22, 1948, Serial No. 523,621.

SCALLI

FOR CANNED VEGETABLES, TOMATO PASTE, AND OLIVE OIL.
Claims use since Aug. 15, 1946.

511,098. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Original filed June 20, 1947, under the act of 1920; amended to application under act of 1946, Nov. 22, 1947, Serial No. 524,529.

ELIZABETH ARDEN

MILKY LIQUID CLEANSER

The name "Elizabeth Arden" refers to a particular individual. Consent given. Applicant claims ownership of Registration No. 202,576.
FOR LIQUID CLEANSING CREAM.
Claims use since Feb. 18, 1946.

511,099. (CLASS 12. CONSTRUCTION MATERIALS.) WESTERN GYPSUM COMPANY, Salt Lake City, Utah. Filed Aug. 26, 1948, Serial No. 530,608.

WESTERN GYPSUM COMPANY PURE-WITE GYPSUM PRODUCTS DEDICATED TO HELP BUILD THE WEST

FOR FIBRED PLASTER, NON-FIBRED PLASTER, SLOW GAUGING PLASTER AND KEENE'S CEMENT.
Claims use since July 3, 1947.

511,100. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REPUBLIC FOOD PRODUCTS CO., also doing business under the name Loyal Packing Co., Chicago, Ill. Original filed Aug. 7, 1947; application filed complete Jan. 24, 1949, Serial No. 530,765.

BEST-YET

Applicant claims ownership of Registration No. 322,012.
FOR CANNED FOODS FOR DOGS, CATS, AND OTHER CARNIVOROUS ANIMALS.
Claims use since Apr. 18, 1933.

511,101. (CLASS 12. CONSTRUCTION MATERIALS.) AJAX FLOOR PRODUCTS CORP., New York, N. Y. Original filed Sept. 3, 1947; application filed complete Feb. 23, 1949, Serial No. 533,112.

Even-UP

FOR ASPHALT MASTIC USABLE AS A CRACK FILLER AND RESURFACING MATERIAL.
Claims use since Mar. 5, 1940.

511,102. (CLASS 39. CLOTHING.) LINGERIE, INC., Morganton, N. C. Filed Mar. 16, 1949, Serial No. 534,293.

Shadowline

FOR LADIES' PANTIES, NIGHT GOWNS, SLIPS, BANDEAUX, AND PAJAMAS.
Claims use since July 7, 1947.

511,103. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Sept. 12, 1947, Serial No. 534,355.

ROCKWELL r

Applicant claims ownership of Registrations Nos. 428,477, 428,478, and 428,699.
FOR SAW GAGES—NAMELY, RIP GAGES AND MITER GAGES; PRESSURE CORRECTING GAS METERS; FLUID METERS—NAMELY, METERS FOR THE MEASUREMENT OF THE FLOW OF WATER, OILS, AND GREASES; CAST IRON, TIN AND STEEL GAS METERS AND STRAINERS; LARGE CAPACITY POSITIVE GAS METERS; ORIFICE METERS; DEMAND METERS; DOMESTIC AND CURB BOX METERS; COMBINED RECORD GAUGES, WELL TESTING AND PRESSURE GAUGES; METER PROVERS AND TEST METERS; METER RECORDERS; CASH REGISTERS; FARE REGISTERS; TAXIMETERS; FLOW PROVERS—NAMELY, APPARATUS FOR TESTING AND CALIBRATING GAS METERS AT THEIR PROPER RATES OF FLOW; INDICATING FLOW METERS; INTEGRATORS FOR CALIBRATING ORIFICE METER CHARTS; AND COMPONENT PARTS THEREOF.
Claims use since Dec. 13, 1945.

511,104. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WORTH BISCUIT COMPANY, Fort Smith, Ark. Filed Feb. 26, 1949, Serial No. 538,216.

TEN-DER-RIST

FOR CRACKERS.
Claims use since Sept. 20, 1947.

511,105. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHANEL, INC., New York, N. Y. Original filed Nov. 1, 1947; application filed complete June 10, 1948, Serial No. 539,852.



The trade-mark consists of a rectangular label on which the notations "No. 5" and "Chanel" are displayed, said label being affixed to a bottle with a glass stopper of the design shown in the drawing, a seal being fastened to the neck of said bottle by cord. Applicant claims ownership of Registrations Nos. 195,360, 215,550, 233,407, and 422,335.
FOR PERFUME.
Claims use since 1924.

511,106. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) UNCAS MANUFACTURING COMPANY, Providence, R. I. Filed Jan. 29, 1949, Serial No. 542,688.

Jewels of Fashion

FOR JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES — NAMELY, BROOCHES, BRACELETS, NECKLACES, PINS AND EARRINGS.
Claims use since Feb. 10, 1947.

511,107. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) UNCAS MANUFACTURING COMPANY, Providence, R. I. Filed Mar. 31, 1949, Serial No. 542,691.

Spiders in Fashion

FOR JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES — NAMELY, BROOCHES, BRACELETS, NECKLACES, PINS, AND EARRINGS.
Claims use since Feb. 13, 1947.

511,108. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) UNCAS MANUFACTURING COMPANY, Providence, R. I. Original filed Nov. 28, 1947; application filed complete Jan. 29, 1949, Serial No. 542,692.

Stylecraft

FOR JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES — NAMELY, BROOCHES, BRACELETS, NECKLACES, PINS, AND EARRINGS.
Claims use since Feb. 14, 1944.

511,109. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPURGEON BROTHERS BAKERY, INC., Knoxville, Tenn. Filed Mar. 31, 1949, Serial No. 544,786.

Spurgeon

FOR COOKIES.
Claims use since Aug. 1, 1947.

511,110. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANN ROSE SCHIFF, Columbus, Ohio. Filed Apr. 14, 1949, Serial No. 547,037.

Seeing eyes

FOR EYEGLASS CASE OR HOLDER.
Claims use on Dec. 13, 1947.

511,111. (CLASS 37. PAPER AND STATIONERY.) BRADNER SMITH & COMPANY, Chicago, Ill. Filed Aug. 28, 1947, Serial No. 535,865.

WROE
NONALTERABLE
BOND

Applicant claims ownership of Registration No. 237,616.
FOR BOND PAPER.
Claims use since July 1, 1926.

511,112. (CLASS 38. PRINTS AND PUBLICATIONS.) SYNDICATE STORE MERCHANDISER, INC., New York, N. Y. Filed Mar. 24, 1949, Serial No. 558,320.

MERCHANDISER
DIRECTORY
of the Variety Market

Applicant claims ownership of Registrations Nos. 342,782 and 391,794.
FOR A TRADE-JOURNAL.
Claims use since June 23, 1947.

TRADE-MARK REGISTRATIONS RENEWED

32,258. "STORK BRAND" ETC., AND REPRESENTATION OF STORK. Registered Dec. 20, 1898. New York Condensed Milk Company. Re-renewed Dec. 20, 1948, to Douglas Leigh, Inc., New York, N. Y., a corporation of New York. CONDENSED MILK. Class 46.

32,982. "ROSES'S PREPARED WEST INDIA LIME JUICE" ETC. AND DESIGN. Registered May 30, 1899. L. Rose & Company, Limited, London, England, and Leith, Scotland. Re-renewed May 30, 1949, to L. Rose & Co., Limited, St. Albans, England, a corporation organized under the United Kingdom of Great Britain and Northern Ireland. LIME-JUICE. Class 45.

38,033. "SILVER MOON" ETC. AND DRAWING. Registered June 6, 1899. The Oliver-Finnie Grocer Company. Re-renewed June 6, 1949, to Oliver-Finnie Co., Memphis, Tenn., a corporation of Tennessee. ROASTED COFFEE. Class 46.

38,053. TARGET. Registered June 6, 1899. The Peters Cartridge Company, Cincinnati, Ohio. Re-renewed June 6, 1949, to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware. SHELLS, CARTRIDGES, BULLETS, POWDER, CAPS, PRIMERS, WADS, ETC. Class 9.

38,168. "TEXTILE" WITHIN OVAL BORDER. Registered June 27, 1899. E. H. Jacobs Manufacturing Company. Re-renewed June 27, 1949, to The Bullard Clark Company, Danielson, Conn., a corporation of Connecticut. LOOM-PICKERS MADE OF LEATHER. Class 23.

33,209. "PEARL" AND PICTURE OF YOUNG WOMAN. Registered July 11, 1899. William O. Barclay and Reginald G. Barclay. Re-renewed July 11, 1949, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y., a corporation of New York. TOILET PREPARATION FOR EXTERNAL APPLICATION, ETC. Class 6.

33,280. GEOMETRICAL RHOMB FIGURE DESIGN. Registered July 25, 1899. William O. Barclay and Reginald G. Barclay. Re-renewed July 25, 1949, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y., a corporation of New York. PILLS FOR THE RELIEF OF DYSPEPSIA, HEADACHE, ETC. Class 6.

68,461. "CROSS FOX" AND DRAWING. Registered Dec. 18, 1906. Abel Morrall Limited, Redditch, England, a company organized under the laws of England. Re-renewed Dec. 18, 1946. BODKINS AND HAND SEWING NEEDLES. Class 40.

73,058. ERIOCHROM. Registered Mar. 16, 1909. Aniline Color and Extract Works, formerly John R. Geigy, Basel, Switzerland. Re-renewed Mar. 16, 1949, to Geigy Company, Inc., New York, N. Y., a corporation of New York. DYESTUFFS DERIVED FROM COAL TAR. Class 6.

73,440. REPRESENTATION OF KEYSTONE. Registered Apr. 20, 1909. The Eddystone Manufacturing Company, Eddystone, Pa., a corporation of Pennsylvania. Re-renewed Apr. 20, 1949. COTTON GOODS IN THE PIECE. Class 42.

73,623. CEROSE. Registered May 4, 1909. John Wyeth & Brother, Incorporated. Re-renewed May 4, 1949, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. AN EXPECTORANT PHARMACEUTICAL COMPOUND. Class 6.

73,661. COWARD. Registered May 11, 1909. James S. Coward. Re-renewed May 11, 1949, to The Coward Shoe, Inc., New York, N. Y., a corporation of New York. LEATHER BOOTS AND SHOES. Class 39.

74,109. IVORY. Registered June 15, 1909. Worcester Salt Company, Silver Springs and New York, N. Y. Re-renewed June 15, 1949, to Morton Salt Company, Chicago, Ill., a corporation of Illinois. COMPOUND TABLE-SALT. Class 46.

74,321. PUERINE. Registered July 6, 1909. The Martin Dennis Company, Newark, N. J., a corporation of New Jersey. Re-renewed July 6, 1949. BATES FOR TANNERS' USES. Class 6.

74,428. AGATITE. Registered July 13, 1909. The American Cement Plaster Co., Lawrence, Kans. Re-renewed July 13, 1949, to Certain-teed Products Corporation, Ardmore, Pa., a corporation of Maryland. CEMENT PLASTER. Class 12.

74,501. SHAWMUT. Registered July 20, 1909. Hood Rubber Co., Boston, Mass. Re-renewed July 20, 1949, to The B. F. Goodrich Company, New York, N. Y., and Akron, Ohio, a corporation of New York. RUBBER BOOTS AND SHOES. Class 39.

74,603. "NAP" AND REPRESENTATION OF BELL. Registered July 27, 1909. Belknap Hardware and Manufacturing Co., Louisville, Ky., a corporation of Kentucky. Re-renewed July 27, 1949. DOOR LOCKS AND BOLTS, SASH LOCKS AND FASTENERS, AND CUPBOARD-CATCHES. Class 25.

74,901. "ATLAS" AND DRAWING. Registered Aug. 17, 1909. Dronsfield Brothers Limited, Oldham, England, a British company. Re-renewed Aug. 17, 1949. EMERY TAPES, EMERY BELTS, GLASS TAPES, GLASS BELTS, POLISHING CLOTHS, ETC. Class 4.

75,218. TOOTSIE. Registered Sept. 14, 1909. The Stern & Saalberg Company, New York, N. Y. Re-renewed Sept. 14, 1949, to The Sweets Company of America, Incorporated, Hoboken, N. J., a corporation of Virginia. CHOCOLATE CANDY. Class 46.

75,365. "ALLIGATOR BRAND" AND REPRESENTATION OF ALLIGATOR. Registered Sept. 28, 1909. Ferguson Waterproof Co. Re-renewed Sept. 28, 1949, to The Alligator Company, St. Louis, Mo., a corporation of Delaware. OILED CLOTHING. Class 39.

75,626. CADUM. Registered Oct. 26, 1909. The Omega Chemical Company, New York, N. Y. Re-renewed Oct. 26, 1949, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. A REMEDY FOR SKIN DISEASES. Class 6.

182,847. "WARRANTED EAGLE FILES" ETC. AND DESIGN. Registered Apr. 15, 1924. Nicholson File Company, Providence, R. I., a corporation of Rhode Island. Renewed Jan. 5, 1948 (Supplemental Register). FILES AND RASPS. Class 23.

225,481. THE MAGIC PACKAGE. Registered Mar. 22, 1927. Abbotts Alderney Dairies, Inc. Renewed Mar. 22, 1947, to Abbotts Dairies, Incorporated, Philadelphia, Pa., a corporation of Maryland. ICE CREAM. Class 46.

246,327. "NADSCO" ENCLOSED BY DIAMOND-SHAPED DESIGN. Registered Sept. 4, 1928. National Department Stores Inc. Renewed Sept. 4, 1948, to National Department Stores Corporation, New York, N. Y., a corporation of Delaware. SUITS AND COATS FOR MEN AND BOYS, DRESSES AND COATS FOR WOMEN, CHILDREN'S COATS, ETC. Class 39.

250,871. "UCA" ETC. AND DESIGN. Registered Dec. 18, 1928. Salgado y Companis, S. A., Union Commercial de Aceites, Madrid, Sevilla, and Vilches, Spain, a Spanish company. Renewed Dec. 18, 1948. EDIBLE OILS OF ALL KINDS. Class 46.

253,836. "SIEN TIFFICK" AND REPRESENTATION OF SHOE SOLE. Registered Mar. 5, 1929. Frank G. Delbon, Brooklyn, N. Y. Renewed Mar. 5, 1949, to Miller-Jones Company, Columbus, Ohio, a corporation of Ohio. SHOES CONSTRUCTED OF LEATHER. Class 39.

254,388. RESCUE. Registered Mar. 26, 1929. American-La France and Foamite Corporation, Elmira and New York, N. Y. Renewed Mar. 26, 1949, to American-La France-Foamite Corporation, Elmira, N. Y., a corporation of New York. PORTABLE HAND FIRE-EXTINGUISHING APPARATUS AND PARTS THEREOF. Class 23.

254,448. CIRCLE R. Registered Mar. 26, 1929. Boter Pickle and Canning Company. Renewed Mar. 26, 1949, to Cobb & Pullen, Dallas, Tex., a partnership. HOT RELISH, SWEET PICKLES, PREPARED MUSTARD, CHOWCHOW, DILL PICKLES, SOUR PICKLES, AND PEPPER SAUCE. Class 46.

254,504. "THREE COUNTS" AND REPRESENTATION OF 3 MOUNTED MEN. Registered Mar. 26, 1929. Cosimo Daniele. Renewed Mar. 26, 1949, to C. Daniele & Company, Inc., New York, N. Y., a corporation of New York. OLIVE OIL, CANNED TOMATOES, CANNED PEAS, TOMATO PASTE, AND OLIVES. Class 46.

254,842. SECURITY. Registered Apr. 2, 1929. West India Oil Company, Bayonne, N. J. Renewed Apr. 2, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. ILLUMINATING OIL. Class 15.

254,979. "AUTEX" AND DESIGN. Registered Apr. 2, 1929. Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia. Renewed Apr. 2, 1949. STORAGE BATTERIES. Class 21.

255,024. FLEUR-VALE. Registered Apr. 9, 1929. Einhorn Brothers. Renewed Apr. 9, 1949, to Einhorn Brothers, Inc., Philadelphia, Pa., a corporation of Pennsylvania. CHILDREN'S DRESSES. Class 39.

255,125. TCP MONOGRAM DESIGN. Registered Apr. 16, 1929. The British Alkaloids Limited. Renewed Apr. 16, 1949, to British Alkaloids Limited, London, England, a British company. DISINFECTANTS. Class 6.

255,142. TCP MONOGRAM DESIGN. Registered Apr. 16, 1929. The British Alkaloids Limited. Renewed Apr. 16, 1949, to British Alkaloids Limited, London, England, a British company. GERMICIDES AND ANTISEPTICS. Class 6.

255,171. "FLIT" ETC. AND DESIGN. Registered Apr. 16, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Apr. 16, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. INSECTICIDES, DISINFECTANTS, AND DEODORANTS. Class 6.

255,394. "FLIT" ETC. AND DESIGN. Registered Apr. 23, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Apr. 23, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. HAND AND PORTABLE SPRAYERS, PUMPS, SQUIRT GUNS, ATOMIZERS, AND HAND AND PORTABLE CONTAINERS, ETC. Class 23.

255,486. COPODUST. Registered Apr. 23, 1929. Niagara Sprayer Company, Middleport, N. Y. Renewed Apr. 23, 1949, to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware. PARASITICIDES. Class 6.

255,640. "FLIT" ETC. AND DESIGN. Registered Apr. 30, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Apr. 30, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. HAND AND PORTABLE SPRAYERS, PUMPS, SQUIRT GUNS, ATOMIZERS, AND HAND AND PORTABLE CONTAINERS, ETC. Class 23.

255,734. RESCUE. Registered Apr. 30, 1929. American-La France and Foamite Corporation, Elmira and New York, N. Y. Renewed Apr. 30, 1949, to American La France-Foamite Corporation, Elmira, N. Y., a corporation of New York. FIRE-EXTINGUISHING COMPOSITIONS AND INGREDIENTS. Class 6.

255,735. BOURNVILLE. Registered Apr. 30, 1929. Cadbury Brothers, Limited, Bournville, Birmingham, England, a corporation organized under the laws of Great Britain and Northern Ireland. Renewed Apr. 30, 1949. CANDY, COCOA, CHOCOLATE; CHOCOLATE-COATED BISCUITS, CAKES, AND CRACKERS; AND TEA. Class 46.

256,511. EVERSEAL. Registered May 21, 1929. Everseal Manufacturing Co., Inc., New York, N. Y., a corporation of New York. Renewed May 21, 1949. PAINTS, READY MIXED, LIQUID, PASTE, OR SEMI-PASTE; HOUSE PAINT, FLAT WALL PAINT, ETC. Class 16.

257,013. "MISTOL" ETC. AND DESIGN. Registered May 28, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed May 28, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. NOSE AND THROAT SPRAY. Class 6.

257,014. "MISTOL" ETC. AND DESIGN. Registered May 28, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed May 28, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. NOSE AND THROAT SPRAY. Class 6.

257,216. FLEXIBELT. Registered June 4, 1929. Phillips-Jones Corporation, New York, N. Y., a corporation of New York. Renewed June 4, 1949. MEN'S UNDERWEAR OF KNITTED OR TEXTILE FABRICS AND PAJAMAS. Class 39.

257,301. KOSTO. Registered June 4, 1929. The Kosto Co., Chicago, Ill., a corporation of Illinois. Renewed June 4, 1949. A PREPARATION IN POWDERED FORM FOR MAKING DESSERTS AND PUDDINGS. Class 46.

257,558. "MISTOL" ETC. AND DESIGN. Registered June 11, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed June 11, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. NOSE AND THROAT SPRAY. Class 6.

257,559. "MISTOL" ETC. AND DESIGN. Registered June 11, 1929. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed June 11, 1949, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. NOSE AND THROAT SPRAY. Class 6.

257,739. DURAFIL. Registered June 18, 1929. The Viscose Company, Marcus Hook, Pa. Renewed June 18, 1949, to Courtaulds Limited, London, England, a British Company. RAYON YARN. Class 43.

258,577. "COW BRAND" AND DESIGN. Registered July 9, 1929. Church & Dwight Co., New York, N. Y., a corporation of Delaware. Renewed July 9, 1949. BICARBONATE OF SODA FOR USE AS A DENTIFRICE AND A BATH SALT. Class 6.

258,596. REPRESENTATION OF RED CIRCULAR BAND. Registered July 9, 1929. Church & Dwight Co., Inc., New York, N. Y., a corporation of Delaware. Renewed July 9, 1949. BICARBONATE OF SODA FOR USE AS A DENTIFRICE AND A BATH SALT. Class 6.

258,619. REPRESENTATION OF ARM AND HAMMER. Registered July 9, 1929. Church & Dwight Co., Inc., New York, N. Y., a corporation of Delaware. Renewed July 9, 1949. BICARBONATE OF SODA FOR USE AS A DENTIFRICE AND A BATH SALT. Class 6.

258,620. ARM & HAMMER. Registered July 9, 1929. Church & Dwight Co., Inc., New York, N. Y., a corporation of Delaware. Renewed July 9, 1949. BICARBONATE OF SODA FOR USE AS A DENTIFRICE AND A BATH SALT. Class 6.

258,621. REPRESENTATION OF CIRCULAR BAND. Registered July 9, 1929. Church & Dwight Co., Inc., New York, N. Y., a corporation of Delaware. Renewed July 9, 1949. BICARBONATE OF SODA FOR USE AS A DENTIFRICE AND A BATH SALT. Class 6.

258,622. REPRESENTATION OF A BLUE CIRCULAR BAND. Registered July 9, 1929. Church & Dwight Co., Inc., New York, N. Y., a corporation of Delaware. Renewed July 9, 1949. BICARBONATE OF SODA FOR USE AS A DENTIFRICE AND A BATH SALT. Class 6.

259,036. PURELUBE. Registered July 23, 1929. The Pure Oil Company, Chicago, Ill., a corporation of Ohio. Renewed July 23, 1949. HYDROCARBON MOTOR-FUEL OILS AND LUBRICATING OILS AND GREASES. Class 15.

259,082. "D. O. M" ETC. AND CIRCLE DESIGN. Registered July 23, 1929. Societe Anonyme de la Benedictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fecamp, Fecamp, France, a corporation organized under the laws of the Republic of France. Renewed July 23, 1949. SAUCE FOR COOKING AND FLAVORING. Class 46.

259,285. "RED-DEVIL" AND REPRESENTATION OF DEVIL. Registered July 30, 1929. Harry L. Greenbaum, doing business as Technical Color and Chemical Works. Renewed July 30, 1949, to Technical Color & Chemical Works, Inc., Brooklyn, N. Y., a corporation of New York. GLUE. Class 5.

259,338. AROME BENEDICTINE. Registered July 30, 1929. Societe Anonyme de la Benedictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fecamp, Fecamp, France, a corporation organized under the laws of the Republic of France. Renewed July 30, 1940. SAUCE FOR COOKING AND FLAVORING. Class 46.

259,339. "AROME BENEDICTINE" ETC. WITHIN RECTANGULAR BORDER DESIGN. Registered July 30, 1929. Societe Anonyme de la Benedictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fecamp, Fecamp, France, a corporation organized under the laws of the Republic of France. Renewed July 30, 1949. SAUCE FOR COOKING AND FLAVORING. Class 46.

259,916. GOLD BOND. Registered Aug. 13, 1929. National Gypsum Company, Buffalo, N. Y., a corporation of Delaware. Renewed Aug. 13, 1949. DRY AND READY-MIXED PAINTS AND VARNISHES. Class 16.

260,060. BURKLEE. Registered Aug. 13, 1929. The Burkhardt Bros. Co., Cincinnati, Ohio, a corporation of Ohio. Renewed Aug. 13, 1949. MEN'S DRESS SHIRTS. Class 39.

260,070. "SIR GALAHAD" AND REPRESENTATION OF HEART. Registered Aug. 13, 1929. The Burkhardt Bros. Co., Cincinnati, Ohio, a corporation of Ohio. Renewed Aug. 13, 1949. MEN'S DRESS SHIRTS. Class 39.

260,103. GODDARD'S NON-MERCURIAL PLATE POWDER. Registered Aug. 13, 1929. J. Goddard & Sons. Renewed Aug. 13, 1949, to J. Goddard & Sons Limited, Leicester, England, a British corporation organized under the British Companies Act. PLATE POWDER. Class 4.

260,138. MAY DAY. Registered Aug. 20, 1929. The Sears & Nichols Corporation, doing business as J. T. Polk Co., Chillicothe, Ohio. Renewed Aug. 20, 1949, to Ladoga Canning Company, Indianapolis, Ind., a corporation of Indiana. CANNED VEGETABLES. Class 46.

260,225. "CHRISTO" AND DESIGN. Registered Aug. 20, 1929. Louise Georgiades, doing business as Christo Georgiades & Co., Brooklyn, N. Y. Renewed Aug. 20, 1949, to Christo Georgiades & Co. Inc., New York, N. Y. a corporation of New York. STUFFED AND GLACE FRUITS AND CANDIED NUTS. Class 46.

260,234. TULCO. Registered Aug. 20, 1929. Lindsay Ripe Olive Company, Lindsay, Calif., a corporation of California. Renewed Aug. 20, 1949. CANNED OLIVES. Class 46.

260,274. WEYCO. Registered Aug. 20, 1929. Weyenberg Shoe Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed Aug. 20, 1949. LEATHER SHOES. Class 30.

260,300. BERNICE. Registered Aug. 20, 1929. Krasne Bros. Renewed Aug. 20, 1949, to Bernice Foods, Inc., New York, N. Y., a corporation of New York. FRUIT PRESERVES, CANNED FRUITS, OLIVES, CANNED FISH, AND CANNED VEGETABLES. Class 46.

260,329. LEFCO. Registered Aug. 20, 1929. Lemingwell Rancho Lemon Association, Whittier, Calif., a corporation of California. Renewed Aug. 20, 1949. FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. Class 46.

260,330. VIM. Registered Aug. 20, 1929. Lemingwell Rancho Lemon Association, Whittier, Calif., a corporation of California. Renewed Aug. 20, 1949. FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. Class 46.

260,331. TRANSITONE. Registered Aug. 20, 1929. Automobile Radio Corporation, Long Island City, N. Y. Renewed Aug. 20, 1949, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania. RADIO RECEIVING SETS AND PARTS THEREOF. Class 21.

260,436. "RED-DEVIL" AND REPRESENTATION OF DEVIL. Registered Aug. 27, 1929. Harry L. Greenbaum, doing business as Technical Color and Chemical Works. Renewed Aug. 27, 1949, to Technical Color & Chemical Works, Inc., Brooklyn, N. Y., a corporation of New York. TAR. Class 1.

260,457. GREEN RIVER. Registered Aug. 27, 1929. Green River Fuel Company, Incorporated, Mogg, Ky. Renewed Aug. 27, 1949, to Carl A. Reis, South Carrollton, Ky. COAL. Class 1.

260,504. "AIR WAY" AND DESIGN. Registered Aug. 27, 1929. Robert Gaylord Incorporated. Renewed Aug. 27, 1949, to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland. FIBREBOARD SHIPPING BOXES. Class 2.

260,505. INLOX. Registered Aug. 27, 1929. Robert Gaylord Incorporated. Renewed Aug. 27, 1949, to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland. FIBREBOARD PACKING CASES. Class 2.

260,507. GAYLORD LINERS. Registered Aug. 27, 1929. Robert Gaylord Incorporated. Renewed Aug. 27, 1949, to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland. LINERS OF PAPER MATERIAL EMPLOYED IN MAKING CORRUGATED AND SOLID FIBRE BOXES. Class 2.

260,706. "GEE WHIZ" AND DESIGN. Registered Aug. 27, 1929. American Chicle Company, Long Island City, N. Y. Renewed Aug. 27, 1949, to Paul F. Beich Company, Bloomington, Ill., a corporation of Illinois. CHEWING GUM. Class 46.

260,836. 666. Registered Aug. 27, 1929. The United States Playing Card Company, Cincinnati, Ohio, a corporation of Ohio. Renewed Aug. 27, 1949. PLAYING CARDS. Class 22.

260,837. CEL-U-TONE. Registered Aug. 27, 1929. Standard Playing Card Co., Chicago, Ill. Renewed Aug. 27, 1949, to The United States Playing Card Company, Cincinnati, Ohio, a corporation of Ohio. PLAYING CARDS. Class 22.

260,854. LECTRO. Registered Aug. 27, 1929. Hood Rubber Company, Watertown, Mass. Renewed Aug. 27, 1949, to The B. F. Goodrich Company, New York, N. Y., and Akron, Ohio, a corporation of New York. RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, RUBBER-SOLED CANVAS SHOES. Class 39.

260,907. OCEAN VIEW. Registered Sept. 3, 1929. Carpinteria Mutual Citrus Association, Carpinteria, Calif., a corporation of California. Renewed Sept. 3, 1949. FRESH CITRUS FRUITS. Class 46.

261,001. PUT EASTSIDE INSIDE. Registered Sept. 3, 1929. Los Angeles Brewing Co. Renewed Sept. 3, 1949, to Los Angeles Brewing Company, Los Angeles, Calif., a corporation of California. CEREAL MALT BEVERAGE OF LEGAL ALCOHOLIC CONTENT AND SYRUPS AND EXTRACTS FOR PREPARING THE SAME. Class 48.

261,010. "INSTANT RIT" AND DESIGN. Registered Sept. 3, 1929. Rit Products Corporation, Chicago, Ill. Renewed Sept. 3, 1949, to Rit Products Corporation, Indianapolis, Ind., a corporation of Delaware. DYES COMBINED WITH SOAP. Class 6.

261,113. "AROME BENEDICTINE" ETC. AND DESIGN. Registered Sept. 3, 1929. Societe Anonyme de la Benedictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fecamp, Fecamp, France, a corporation organized under the laws of the Republic of France. Renewed Sept. 3, 1949. SAUCE FOR COOKING AND FLAVORING. Class 46.

261,207. HONEY GIRL. Registered Sept. 10, 1929. Markon Garment Co., Inc., New York, N. Y., a corporation of New York. Renewed Sept. 10, 1949. GIRLS' CREEPERS; GIRLS', MISSES', AND WOMEN'S DRESSES AND ENSEMBLE SUITS, PANTY DRESSES AND BLOOMER DRESSES. Class 39.

261,240. "THE NATIONAL GEOGRAPHIC MAGAZINE" AND DESIGN. Registered Sept. 10, 1929. National Geographic Society, Washington, D. C., a corporation of the District of Columbia. Renewed Sept. 10, 1949. PERIODICAL PUBLICATION. Class 38.

261,241. "PETER PAN" AND REPRESENTATION OF PETER PAN. Registered Sept. 10, 1929. Henry Glass & Co., New York, N. Y., a corporation of New York. Renewed Sept. 10, 1949. COTTON PIECE GOODS. Class 42.

261,304. ADCO KATTLE KOMFORT. Registered Sept. 17, 1929. American Disinfecting Company. Renewed Sept. 17, 1949, to Adco, Inc., Sedalia, Mo., a corporation of Missouri. SPRAY-PREPARATION FOR KILLING FLIES, LICE, MOSQUITOES, ETC. Class 6.

261,341. NOR-FOLD. Registered Sept. 17, 1929. Northern Paper Mills, Green Bay, Wis., a corporation of Wisconsin. Renewed Sept. 17, 1949. PAPER TOWELS. Class 37.

261,559. "AGUA DE FLORIDA" AND DESIGN. Registered Sept. 17, 1929. Lanman & Kemp, Inc. Renewed Sept. 17, 1949, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y., a corporation of New York. FLORIDA WATER. Class 6.

261,616. "MARCA INDUSTRIAL LANMAN & KEMP" ETC. AND DESIGN. Registered Sept. 17, 1929. Lanman & Kemp, Inc. Renewed Sept. 17, 1949, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y., a corporation of New York. FLORIDA WATER, COD LIVER OIL, POROUS PLASTERS, WITCH-HAZEL, VEGETABLE PASTILLES FOR EXPELLING WORMS FROM THE SYSTEM, ETC. Class 6.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

376,406. BEAVER. Registered Mar. 26, 1940. Cornell-Dubilier Electric Corporation, South Plainfield, N. J. ELECTROLYTIC CONDENSERS. Class 21. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "New York" should be *Delaware*.

379,256. "SERVICE-MIKE." Registered July 9, 1940. Cornell-Dubilier Electric Corporation, South Plainfield, N. J. ELECTROLYTIC CONDENSERS. Class 21. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "New York" should be *Delaware*.

379,259. "TEST-MIKE." Registered July 9, 1940. Cornell-Dubilier Electric Corporation, South Plainfield, N. J. ELECTROLYTIC CONDENSERS. Class 21. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "New York" should be *Delaware*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(a), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

261,749. 1'-Q-A'S DASH ETC. Registered Sept. 24, 1929. The Piqua Hosiery Co. BATHING SUITS. Class 39. New certificate under section 7(c) issued June 14, 1949, to The Atlas Underwear Company, Piqua, Ohio, a corporation of Ohio.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 248,168. Registered Oct. 16, 1928. GALLOWAY COAL COMPANY, Memphis, Tenn. Republished by Galloway Coal Mining Company, Inc., Carbon Hill, Ala., a corporation of Alabama.

GALLOWAY

FOR COAL.
Claims use since approximately October 1892.

Reg. No. 252,113. Registered Jan. 22, 1929. THE CLOVER MANUFACTURING COMPANY, Norwalk, Conn., a corporation of New York. Republished by registrant.

SIL-CARB

FOR SILICON CARBIDE.
Claims use since January 1927.

Reg. No. 260,471. Registered Aug. 27, 1929. GREEN RIVER FUEL COMPANY, INCORPORATED, Mogg, Ky. Republished by Carl A. Reis, South Carrollton, Ky.



The words "Coal," "Mogg," "Mogg, Ky.," and "Trade-Mark Registered" are disclaimed apart from the mark as shown.
FOR COAL.
Claims use since April 1918.

CLASS 2

RECEPTACLES

Reg. No. 203,645. Registered Sept. 22, 1925. CORRY-JAMESTOWN MANUFACTURING CORPORATION, Jamestown, N. Y., and Corry, Pa., a corporation of New York. Republished by registrant.

Steel Age

FOR OFFICE FURNITURE—NAMELY, FILING CASES, CABINETS, TABLES, DESKS, WASTE BASKETS, AND STEEL EQUIPMENT BUILT TO ORDER.
Claims use since March 1925.

Ser. No. 244,184. Registered July 17, 1928. CAMBRIDGE PAPER BOX COMPANY, Cambridge, Mass., a corporation of Massachusetts. Republished by registrant.

-NUVOPAK-

FOR PAPER BOXES.
Claims use since Oct. 16, 1926.

Ser. No. 383,474. Registered Dec. 10, 1940. EMPIRE BOX CORPORATION, Garfield, N. J., and Chicago, Ill. Republished by Empire Box Corporation, Garfield, N. J., a corporation of Delaware.

KWIKPAK

FOR COLLAPSIBLE GLUED BOXES, CARTONS, AND TRAYS MADE OF BOX BOARD, PAPER, OR CARDBOARD.
Claims use since on or about June 1, 1940.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 37,516. Registered Dec. 24, 1901. BUFFALO SPECIALTY MANUFACTURING COMPANY, Buffalo, N. Y. Republished by Liquid Veneer Corporation, Buffalo, N. Y., a corporation of New York.

LIQUID VENEER

FOR POLISHES FOR METAL, WOOD, AND ENAMEL.
Claims use since about July 1, 1901.

Reg. No. 40,024. Registered Mar. 31, 1903. WILLARD O. CRANE, Auburn, N. Y. Republished by Armour and Company, Chicago, Ill., a corporation of Illinois.



FOR WHITE LAUNDRY SOAP.
Claims use since October 1886.

Reg. No. 56,782. Registered Oct. 16, 1906. BUFFALO SPECIALTY COMPANY, Buffalo, N. Y. Republished by Liquid Veneer Corporation, Buffalo, N. Y., a corporation of New York.

LIQUID VENEER

FOR DETERGENT POLISH FOR METAL, WOODWORK, AND ENAMELED SURFACES.
Claims use since about July 1, 1901.

Reg. No. 88,581. Registered Sept. 24, 1912. THE STORK COMPANY, Boston, Mass. Republished by Armour and Company, Chicago, Ill., a corporation of Illinois.



FOR SOAP.
Claims use since Feb. 1, 1907.

Reg. No. 210,744. Registered Mar. 23, 1926. A. G. BETTES MFG. CO. INC., Kansas City, Mo. Republished by Golden Star Polish Mfg. Co., Kansas City, Mo., a corporation of Missouri.

THE IDEAL

FOR COMPOUND FOR POLISHING METAL.
Claims use since about 1894.

Reg. No. 242,199. Registered May 15, 1928. GEORG SCHICHT A. G., Aussig, Czechoslovakia. Republished by Severoceske Tukove Zavody (Drive Jiri Schicht), Narodni Podnik, Usti nad Labem, Czechoslovakia, a national corporation of Czechoslovakia.

ELIDA

FOR SOAP, SHAVING SOAP, AND SHAVING CREAM.
Claims use since Nov. 18, 1921.

Reg. No. 393,970. Registered Mar. 10, 1942. JAMES L. YOUNGHUSBAND, Chicago, Ill. Republished by Consolidated Cosmetics, Chicago, Ill., a firm.

TABU

FOR TOILET SOAP.
Claims use since Dec. 10, 1932.

Reg. No. 409,934. Registered Apr. 13, 1943. YORK PHARMACAL COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Spotlight



FOR DRY CLEANING FLUID.
Claims use since Nov. 1, 1941.

Reg. No. 408,529. Registered Aug. 15, 1944. ASSOCIATED DISTRIBUTORS, Chicago, Ill., assignor to Consolidated Cosmetics, a partnership. Republished by Consolidated Cosmetics, Chicago, Ill., a firm.

"forbidden"

FOR TOILET SOAPS.
Claims use since Dec. 10, 1932.

Reg. No. 433,185. Registered Jan. 27, 1948. CONSOLIDATED COSMETICS, Chicago, Ill. Republished by Consolidated Cosmetics (1948), Chicago, Ill., a firm.

TABOO

FOR LAUNDRY SOAP, TOILET SOAP, ABRASIVE WINDOW CLEANER, SPOT REMOVER FOR CLOTHING AND FABRIC, SHOE POLISH, AND SILVER POLISH.
Claims use since Nov. 13, 1946.

Reg. No. 440,012. Registered Aug. 3, 1948. HUNTINGTON LABORATORIES, INC., Huntington, Ind., a corporation of Indiana. Republished by registrant.

BLACK DUCK

FOR LIQUID DETERGENT CONTAINING SOLVENTS DESIGNED TO REMOVE RUBBER MARKS AND OTHER SOIL FROM FLOORS.
Claims use since Mar. 15, 1943.

CLASS 5

ADHESIVES

Reg. No. 102,784. Registered Feb. 23, 1915. BUFFALO SPECIALTY COMPANY, Buffalo, N. Y. Republished by Liquid Veneer Corporation, Buffalo, N. Y., a corporation of New York.



FOR TIRE FLUID.
Claims use since Sept. 1, 1894.

Reg. No. 108,634. Registered Feb. 22, 1916. BUFFALO SPECIALTY COMPANY, Buffalo, N. Y. Republished by Liquid Veneer Corporation, Buffalo, N. Y., a corporation of New York.

NEVERLEAK

FOR TIRE FLUID.
Claims use since Sept. 1, 1894.

Reg. No. 256,552. Registered May 21, 1929. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

CORENCO

FOR GLUE.
Claims use since about July 1920.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 90,188. Registered Feb. 11, 1913. FULTON CHEMICAL COMPANY, New York, N. Y., assignor to Buffalo Specialty Company, Buffalo, N. Y. Republished by Liquid Veneer Corporation, Buffalo, N. Y., a corporation of New York.

RATNIP

FOR PREPARATIONS FOR DESTROYING VERMIN—SUCH AS RATS, MICE, GOPHERS, AND OTHER RODENTS AND INSECTS.
Claims use since Sept. 14, 1907.

Reg. No. 163,029. Registered Jan. 2, 1923. BUFFALO SPECIALTY COMPANY, Buffalo, N. Y. Republished by Liquid Veneer Corporation, Buffalo, N. Y., a corporation of New York.

GO-DEVIL

FOR DRAIN SOLVENT.
Claims use since Mar. 20, 1922.

Reg. No. 184,157. Registered May 20, 1924. FRED S. HIRSCH, Los Angeles, Calif. Republished by registrant.

INNER-CLEAN

FOR HERB-VEGETABLE COMPOUND, USED AS A LAXATIVE.
Claims use since October 1920.

Reg. No. 231,897. Registered Aug. 30, 1927. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.



The word "Brand" is disclaimed apart from the mark as shown.
FOR RED OIL.
Claims use since January 1910.

Reg. No. 231,898. Registered Aug. 30, 1927. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

IVORY BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR STEARIC ACID.
Claims use since November 1912.

Reg. No. 229,723. Registered Mar. 13, 1928. GEORG SCHICHT A. G., Aussig, Czechoslovakia. Republished by Severoceske Tukove Zavody (Driva Jiri Schicht), Narodni Podnik, Usti nad Labem, Czechoslovakia, a National Corporation of Czechoslovakia.

ELIDA

FOR COLD CREAM, VANISHING CREAM, SHAMPOO, LEMON CREAM, PERFUMES, TOILET WATER.
Claims use since Nov. 18, 1921.

Reg. No. 245,031. Registered Aug. 7, 1928. NOURSE OIL COMPANY, Kansas City, Kans., a corporation of Missouri. Republished by registrant.

JACK FROST

FOR NON-FREEZING FLUID FOR AUTOMOBILE RADIATORS.
Claims use since July 1, 1927.

Reg. No. 240,081. Registered Nov. 6, 1928. PHILFUELS COMPANY, Bartlesville, Okla. Republished by Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware.

Philfuels
Liquefied
Industrial
Gases

The words "Liquefied Industrial Gases" are disclaimed apart from the mark as shown.
FOR LIQUEFIED INDUSTRIAL GASES.
Claims use since Apr. 15, 1928.

Reg. No. 240,082. Registered Nov. 6, 1928. PHILFUELS COMPANY, Bartlesville, Okla. Republished by Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware.

Philgas
Concentrated
Natural
Gas

The words "Concentrated Natural Gas" are disclaimed apart from the mark as shown.
FOR CONCENTRATED NATURAL GAS.
Claims use since Apr. 15, 1928.

Reg. No. 255,711. Registered Apr. 30, 1929. G. W. CARNRICK CO., Newark, N. J., a corporation of New Jersey. Republished by registrant.

ERYTHOGEN

FOR ENDOCRINE STIMULANT TO THE FORMATION OF RED BLOOD CELLS.
Claims use since Nov. 15, 1928.

Reg. No. 293,621. Registered May 3, 1932. PEOPLES DRUG STORES, INC., doing business as The Barnard Co., Washington, D. C. Republished by Peoples Drug Stores, Inc., Washington, D. C., a corporation of Maryland.

IDEAL

FOR ANTISEPTIC SOLUTION.
Claims use since June 20, 1931.

Reg. No. 300,022. Registered Jan. 3, 1933. G. W. CARNRICK CO., Newark, N. J., a corporation of New Jersey. Republished by registrant.

THELESTRIN

FOR STANDARDIZED, OVARIAN HORMONE PREPARATION.
Claims use since July 18, 1932.

Reg. No. 327,370. Registered Aug. 27, 1935. G. W. CARNRICK CO., Newark, N. J., a corporation of New Jersey. Republished by registrant.

COLOPO

FOR ENDOCRINE CHOLAGOGUE AND CATHARTIC FOR USE IN CASES OF CHRONIC CONSTIPATION, SLUGGISHNESS OF THE LIVER, INTESTINAL TOXEMIA, BILE INSUFFICIENCY.
Claims use since Mar. 26, 1935.

Reg. No. 350,370. Registered Sept. 28, 1937. THE M. STEIN COSMETIC CO., New York, N. Y., a corporation of New York. Republished by registrant.

STEIN'S

FOR PHARMACEUTICAL PREPARATIONS AND TOILET GOODS—NAMELY, THEATRICAL SOFT PAINT, CINEMA SOFT PAINT, AND LIQUID MAKE-UP.
Claims use since about Apr. 15, 1888.

Reg. No. 353,436. Registered Jan. 11, 1938. HAROLD L. ROTHSCHILD, doing business as Coronado Manufacturing Company, St. Paul, Minn. Republished by The Mennen Company, Newark, N. J., a corporation of New Jersey.

CORONET

FOR COSMETICS FOR MEN AND WOMEN—NAMELY, SKIN ASTRINGENT, CLEANSING CREAM, COLD CREAM, HONEY AND ALMOND CREAM, SHAMPOO, AFTER SHAVING LOTION, PERFUME, HAIR OIL, ANTISEPTIC SOLUTION, BRILLIANTINE, AND NAIL POLISH AND REMOVER.
Claims use since Mar. 1, 1933.

Reg. No. 360,619. Registered Sept. 20, 1938. G. W. CARNRICK CO., Newark, N. J., a corporation of New Jersey. Republished by registrant.

HEMOCHROMIN

FOR COMBINATION OF FERROUS SULPHATE AND LIVER EXTRACT, FOR USE IN THE TREATMENT OF SECONDARY OR HYPOCHROMIC ANEMIAS.
Claims use since April 29, 1938.

Reg. No. 372,999. Registered Nov. 21, 1939. G. W. CARNRICK CO., Newark, N. J., a corporation of New Jersey. Republished by registrant.

HORMOTONE

FOR COMBINATION OF THYROID AND ESTROGENIC HORMONES FOR USE IN DISTURBANCES IN MENSTRUATION AND THE MENOPAUSE.
Claims use since June 4, 1936.

Reg. No. 373,002. Registered Nov. 21, 1939. G. W. CARNRICK CO., Newark, N. J., a corporation of New Jersey. Republished by registrant.

TYPSOGEN

FOR THERAPEUTIC AGENT FOR THE TREATMENT OF MALNUTRITION AND PANCREATIC DEFICIENCY.
Claims use since June 16, 1939.

Reg. No. 383,764. Registered Dec. 24, 1940. DOME CHEMICALS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

FOR TABLETS FOR FORMING BURROUGH'S SOLUTION, AND SOLUTIONS AND PASTES FOR TREATMENT OF SKIN AILMENTS OF THE SCALP AND FOR PSORIASIS.
Claims use since Apr. 1, 1940.

Reg. No. 387,771. Registered May 27, 1941. DOME CHEMICALS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

DAXALAN

FOR MEDICINES AND PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF THE SKIN AND SCALP.
Claims use since Jan. 28, 1941.

Reg. No. 396,705. Registered July 28, 1942. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

Johnson's

FOR BABY CREAM.
Claims use since Jan. 1, 1925.

Reg. No. 400,329. Registered Mar. 2, 1943. AMERICAN BANDAGE CORP., Chicago, Ill. Republished by Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey.

abc
OIL RESISTANT
PROTECTONE

The words "Oil Resistant" are disclaimed apart from the mark as shown.
FOR LIQUID PROTECTIVE COATING USED TO COAT THE TOP LAYERS OF SURGICAL BANDAGES, SAID LIQUID PROTECTIVE COATING DRYING TO FORM A FLEXIBLE FILM OVER THE TOP LAYERS OF SURGICAL BANDAGES IN ORDER TO PREVENT THE PENETRATION OF OILS AND SOLVENTS WHICH COME IN CONTACT WITH THE SURGICAL BANDAGES.
Claims use since Aug. 15, 1938.

Reg. No. 400,910. Registered Apr. 6, 1943. YORK PHARMACAL COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Spotlight

FOR CIGARETTE LIGHTER FLUID.
Claims use since Nov. 1, 1941.

Reg. No. 407,698. Registered June 20, 1944. ASSOCIATED DISTRIBUTORS, Chicago, Ill. Republished by Consolidated Cosmetics, Chicago, Ill., a firm.

TABLEAU

FOR LIPSTICK, ROUGE, FACE POWDER, FACIAL MAKE-UP, BRILLIANTINE, AND FINGER NAIL POLISH AND PERFUMES.
Claims use since June 13, 1934.

Reg. No. 407,797. Registered June 27, 1944. ASSOCIATED DISTRIBUTORS Chicago, Ill. Republished by Consolidated Cosmetics, Chicago, Ill., a firm.

TABU

FOR LIPSTICK, ROUGE, ANTIPERSPIRANT, DEODORANT, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, FACE POWDER, COLD CREAM, FACIAL MAKE-UP, HAND LOTION, BODY LOTION, LEG MAKE-UP, COLOGNE, TOILET WATER, BRILLIANTINE, SHAMPOO, NAIL POLISH, NAIL POLISH REMOVER, NAIL LACQUER, NAIL WHITE, NAIL REPAIR, NAIL OIL, NAIL BALM, NAIL SALVE, CUTICLE REMOVER, AND PERFUMES.
Claims use since Dec. 10, 1932.

Reg. No. 409,742. Registered Oct. 17, 1944. JAMES RUBERT CLARK, doing business as The C. M. Company, Durham, N. C. Republished by The C M Company, Durham, N. C., a corporation of North Carolina.

CM

FOR PREPARATION FOR THE RELIEF OF DISCOMFORT OR PAIN DUE TO SIMPLE HEADACHE AND SIMPLE NEURALGIA OF INORGANIC ORIGIN, MUSCULAR ACHES AND PAINS, A SEDATIVE IN SIMPLE NERVOUSNESS, AND AS AN AID IN REDUCING SIMPLE FEVER.
Claims use since Sept. 17, 1919.

Reg. No. 413,864. Registered May 15, 1945. MARCEL LEDUC, Rochester, N. Y., assignor to Consolidated Cosmetics, Chicago, Ill., a partnership. Republished by Consolidated Cosmetics, Chicago, Ill., a firm.

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FOR PERFUME AND COLOGNE.
Claims use since Nov. 9, 1944.

Reg. No. 414,146. Registered May 29, 1945. CONSOLIDATED COSMETICS, Chicago, Ill. Republished by Consolidated Cosmetics (1948), Chicago, Ill., a firm.



FOR LIPSTICK, ROUGE, ANTIPERSPIRANT, DEODORANT, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, FACE POWDER, COLD CREAM, FACIAL MAKE-UP, COLOGNE, HAND LOTION, BODY LOTION, LEG-MAKE-UP, TOILET WATER, BRILLIANTINE, SHAMPOO, NAIL POLISH, NAIL POLISH REMOVER, NAIL LACQUER, NAIL WHITE, NAIL REPAIR, NAIL OIL, NAIL BALM, NAIL SALVE, CUTICAL REMOVER, AND PERFUMES.
Claims use since Dec. 10, 1932.

Reg. No. 416,077. Registered Sept. 25, 1945. HAPPY DAY COMPANY, INC., Lafayette, La. Republished by The Leblanc Corporation, Lafayette, La., a corporation of Louisiana.

HADACOL

FOR DIETARY SUPPLEMENT CONTAINING VITAMINS B_1, B_2, AND NIACIN.
Claims use since July 28, 1944.

Reg. No. 418,522. Registered Jan. 1, 1946. CONSOLIDATED COSMETICS, Chicago, Ill. Republished by Consolidated Cosmetics (1948), Chicago, Ill., a firm.

TAB

FOR PERFUME, COLOGNE, TOILET WATER, FACE POWDER, LIPSTICK, AND ROUGE.
Claims use since Dec. 10, 1932.

Reg. No. 420,234. Registered Apr. 2, 1946. CONSOLIDATED COSMETICS, Chicago, Ill. Republished by Consolidated Cosmetics (1948), Chicago, Ill., a firm.

KAPU

FOR FACE POWDER, LIPSTICK, HAND CREAM, PERFUME, AND BRILLIANTINE.
Claims use since May 9, 1945.

Reg. No. 420,644. Registered Apr. 23, 1946. YORK PHARMACAL COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

"BANG"

FOR INSECTICIDES.
Claims use since Sept. 5, 1945.

Reg. No. 422,375. Registered July 16, 1946. METROPOLITAN CHEMICAL CORP., Albany, N. Y., a corporation of New York. Republished by registrant.

MORTEX

FOR SHAMPOO AND PARASITICIDE.
Claims use since Sept. 1, 1944.

Reg. No. 423,001. Registered Aug. 20, 1946. CONSOLIDATED COSMETICS, Chicago, Ill. Republished by Consolidated Cosmetics (1948), Chicago, Ill., a firm.



The representation of the label, bottles, and powder box are disclaimed apart from the mark as shown.
FOR FACE POWDER, DUSTING POWDER, AND PERFUME.
Claims use since June 4, 1945.

Reg. No. 424,189. Registered Sept. 24, 1946. CONSOLIDATED COSMETICS, Chicago, Ill. Republished by Consolidated Cosmetics (1948), Chicago, Ill., a firm.

TABU

FOR INSECTICIDES.
Claims use since Dec. 12, 1945.

Reg. No. 426,323. Registered Dec. 24, 1946. CONSOLIDATED COSMETICS, Chicago, Ill. Republished by Consolidated Cosmetics (1948), Chicago, Ill., a firm.

TABU

FOR PERFUME, COLOGNE, LIPSTICK, FACE POWDER, SACHET POWDER, BRILLIANTINE, AND HAND LOTION.
Claims use since Dec. 10, 1932.

Reg. No. 427,576. Registered Feb. 11, 1947. CONSOLIDATED COSMETICS, Chicago, Ill. Republished by Consolidated Cosmetics (1948), Chicago, Ill., a firm.

TABU

FOR INCENSE, AND PERFUMED BURNING OILS.
Claims use since Apr. 24, 1946.

Reg. No. 431,835. Registered Aug. 12, 1947. CONSOLIDATED COSMETICS, Chicago, Ill. Republished by Consolidated Cosmetics (1948), Chicago, Ill., a firm.

No. T

FOR PERFUME, COLOGNE, FACE POWDER, AND HAND LOTION.
Claims use since Jan. 15, 1946.

Reg. No. 432,410. Registered Sept. 2, 1947. CONSOLIDATED COSMETICS, Chicago, Ill. Republished by Consolidated Cosmetics (1948), Chicago, Ill., a firm.



The trade-mark consists of a black rectangle with a red edge on one side.
FOR PERFUME, COLOGNE, FACE POWDER, BRILLIANTINE, AND LIPSTICK.
Claims use since Dec. 10, 1932.

Reg. No. 437,162. Registered Mar. 9, 1948. CONSOLIDATED COSMETICS, Chicago, Ill. Republished by Consolidated Cosmetics (1948), Chicago, Ill., a firm.

TABOO

FOR ANTI-PERSPIRANT, LIPSTICK, ROUGE, FACE POWDER, EYELASH AND EYEBROW MASCARA, CREAMS FOR THE HANDS AND FACE, PERFUMES, COLOGNES, BRILLIANTINE, BODY TALC, FOOT POWDER, LEG MAKE-UP, INSECTICIDES, AND INCENSE.
Claims use since Dec. 10, 1932.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 297,996. Registered Oct. 11, 1932. WALDES KOH-I-NOOR, INC., Long Island City, N. Y., a corporation of New York. Republished by registrant.

Kover-Lip

FOR SLIDE FASTENERS.
Claims use since Feb. 28, 1932.

Reg. No. 347,357. Registered June 22, 1937. UTILITIES SERVICE COMPANY, Allentown, Pa., a corporation of Pennsylvania. Republished by registrant.

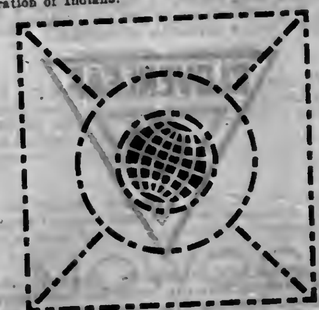
FLEXTEEL

FOR POLE LINE HARDWARE—VIZ., STRAIN INSULATOR CLEVISES.
Claims use since in or about April 1932.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 74,146. Registered June 22, 1909. NEWPORT ROLLING MILL CO., Newport, Ky. Republished by International Detrola Corporation, Detroit, Mich., a corporation of Indiana.



FOR OPEN-HEARTH SHEETS OF IRON AND STEEL.
Claims use since Jan. 1, 1909.

CLASS 15
OILS AND GREASES

Reg. No. 296,958. Registered Aug. 30, 1932. GASETERIA INCORPORATED, Indianapolis, Ind. Republished by Gaseteria, Inc., Indianapolis, Ind., a corporation of Indiana.

PHILAPENN

FOR LUBRICATING OILS.
Claims use since December 1929.

Reg. No. 300,665. Registered Jan. 31, 1933. GASETERIA INCORPORATED, Indianapolis, Ind. Republished by Gaseteria, Inc., Indianapolis, Ind., a corporation of Indiana.

FOR LUBRICATING OILS AND GREASES AND GASOLINE.
Claims use since December 1929.

Reg. No. 438,580. Registered May 4, 1948. JOSEPH B. SAUNDERS, doing business as Triangle Refineries, Houston, TEX. Republished by Triangle Refineries, Inc., Houston, Tex., a corporation of Delaware.

CLOVERLEAF

FOR PETROLEUM PRODUCTS—NAMELY, GASOLINE, KEROSENE, GAS OIL, FUEL OIL FOR POWERING DIESEL ENGINES, FURNACES, AND THE LIKE, AND LUBRICATING OILS AND GREASES.
Claims use since June 20, 1946.

CLASS 16
PAINTS AND PAINTERS' MATERIALS

Reg. No. 142,282. Registered May 10, 1921. THE R. F. JOHNSTON PAINT CO., Cincinnati, Ohio. Republished by The Foy Paint Company, Inc., Cincinnati, Ohio, a corporation of Ohio.

RUNDOWN

FOR PREPARED AND READY-MIXED PAINTS.
Claims use since Mar. 14, 1901.

Reg. No. 142,593. Registered May 17, 1921. THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Republished by The Foy Paint Company, Inc., Cincinnati, Ohio, a corporation of Ohio.

THRIFT

FOR PAINT IN PASTE FORM.
Claims use since January 1919.

Reg. No. 143,006. Registered May 24, 1921. THE FOY PAINT CO., Cincinnati, Ohio. Republished by The Foy Paint Company, Inc., Cincinnati, Ohio, a corporation of Ohio.

FOY'S

FOR DRY, PASTE, AND READY MIXED PAINTS, WOOD-STAINS, PAINT ENAMELS, AND IRON FILLERS OF PAINT NATURE.
Claims use since 1900.

Reg. No. 163,794. Registered Jan. 30, 1923. THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Republished by The Foy Paint Company, Inc., Cincinnati, Ohio, a corporation of Ohio.

ON AND DRY IN 6 HOURS

The words "On and Dry in 6 Hours" are disclaimed apart from the mark as shown.
FOR VARNISH.
Claims use since Mar. 3, 1922.

Reg. No. 179,520. Registered Feb. 12, 1924. THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Republished by The Foy Paint Company, Inc., Cincinnati, Ohio, a corporation of Ohio.

GROUNDER

FOR READY-MIXED PAINTS.
Claims use since July 1, 1923.

Reg. No. 198,422. Registered May 19, 1925. THE FOY PAINT CO., Cincinnati, Ohio. Republished by The Foy Paint Company, Inc., Cincinnati, Ohio, a corporation of Ohio.

VELVATONE

FOR READY-MIXED PAINTS.
Claims use since Nov. 8, 1909.

Reg. No. 212,248. Registered Apr. 27, 1926. THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Republished by The Foy Paint Company, Inc., Cincinnati, Ohio, a corporation of Ohio.

SWANEE S-LAC

The term "Lac" is disclaimed apart from the mark as shown.
FOR READY-MIXED PAINTS, PAINT ENAMELS, THINNER, LACQUER, PRIMER, FILLER, AND POLISH.
Claims use since Nov. 24, 1925.

Reg. No. 416,972. Registered Oct. 9, 1945. THE FOY PAINT COMPANY, INC., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

LEVEL-ON

FOR PAINTS, IN LIQUID AND SEMI-PASTE FORM.
Claims use since Feb. 6, 1945.

CLASS 19
VEHICLES

Reg. No. 238,036. Registered Jan. 24, 1928. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo., a corporation of New York. Republished by registrant.

DEFIANCE

FOR SEAT COVERS, FOR AUTOMOBILE SEATS AND THE LIKE.
Claims use since Aug. 22, 1927.

Reg. No. 265,540. Registered Dec. 31, 1929. GEORGE SPENCER, MOULTON & COMPANY, LIMITED, London, England, a corporation organized under the laws of Great Britain. Republished by registrant.



FOR INDIA-RUBBER BUFFING AND DRAW-SPRINGS AND BEARING BLOCKS.
Claims use since 1891.

Reg. No. 278,383. Registered Dec. 16, 1930. GEORGE SPENCER, MOULTON & COMPANY, LIMITED, London, England, a corporation organized under the laws of Great Britain. Republished by registrant.

SPENCER MOULTON

FOR INDIA-RUBBER BUFFING AND DRAW SPRINGS AND BEARING SPRINGS FOR RAILWAY VEHICLES AND INDIA-RUBBER BEARING BLOCKS FOR RAILWAY VEHICLES.
Claims use since 1891.

Reg. No. 350,229. Registered Sept. 21, 1937. MORRIS MOTORS LIMITED, Cowley, Oxford, England, a corporation of Great Britain. Republished by registrant.

MOWOG

FOR AUTOMOBILES AND STRUCTURAL PARTS THEREOF.
Claims use since Jan. 1, 1936.

Reg. No. 390,018. Registered Sept. 2, 1941. J. CLINTON MCINTEE, doing business as Trimline Manufacturing Co., Kansas City, Mo. Republished by National Automotive Parts Association, Detroit, Mich., a corporation of Michigan.

TRIMLINE

FOR FABRIC AUTOMOBILE ACCESSORIES IN THE NATURE OF SEAT COVERS, PASSENGER COMPARTMENT PROTECTIVE COVERINGS, AND RADIATOR COVERS.
Claims use since Apr. 5, 1941.

Reg. No. 419,600. Registered Feb. 26, 1946. BADGER BODY MANUFACTURING COMPANY, Omaha, Nebr. Republished by Badger Body Manufacturing Company, Omaha, Nebr., a firm.

BADGER BODY WORKS Badger

All wording except "Badger" is disclaimed apart from the mark as shown.
FOR BODIES AND CABS FOR TRUCK AND PASSENGER AUTOMOBILES AND COMMERCIAL AND PASSENGER TRAILERS.
Claims use since 1919.

Reg. No. 430,303. Registered June 10, 1947. HOPPI-COPTERS, INC., Seattle, Wash., a corporation of Washington. Republished by registrant.

HOPPI-COPTER

FOR ROTARY WING AIRCRAFT.
Claims use since Nov. 23, 1944.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 188,711. Registered Sept. 2, 1924. DOMESTIC STOKER COMPANY, New York, N. Y. Republished by General Machine Company, Inc., Emmaus, Pa., a corporation of Pennsylvania.

"ELECTRIC FURNACE-MAN"

The word "Electric" is disclaimed apart from the mark as shown.
FOR ELECTRIC AUTOMATIC STOKERS.
Claims use since Jan. 12, 1924.

Reg. No. 375,843. Registered Mar. 5, 1940. PENN ELECTRIC SWITCH CO., Goshen, Ind., a corporation of Iowa. Republished by registrant.

DRAFTENDER

FOR ELECTRIC DAMPER MOTORS.
Claims use since May 8, 1939.

Reg. No. 381,187. Registered Sept. 17, 1940. ED. FRIEDRICH, INC., San Antonio, Tex., a corporation of Texas. Republished by registrant.

COOLITE

FOR APPARATUS USED FOR SUPPLYING CURRENT FOR OPERATING NEON TYPE LIGHT EMITTING TUBES AND COMPRISING A UNIT EMBODYING A CASING IN WHICH IS CONTAINED THE NECESSARY CURRENT CONTROL SWITCHES, AND TRANSFORMER, BUT NOT INCLUDING THE LIGHT EMITTING TUBES THEMSELVES.
Claims use since Feb. 10, 1939.

Reg. No. 426,300. Registered Dec. 24, 1946. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant, present address North Brunswick Township, N. J.

TEXCEL

FOR ADHESIVE TAPES USED IN THE ELECTRICAL INDUSTRY FOR BINDING AND INSULATING, AND IN THE CONSTRUCTION OF ELECTRICAL GOODS AND ELECTRICAL STRUCTURES.
Claims use since Mar. 3, 1939.

CLASS 22
GAMES, TOYS, AND SPORTING GOODS

Reg. No. 205,247. Registered Nov. 3, 1925. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass., a corporation of Maine. Republished by registrant.

QUEEN OF WATERS

FOR FISHING LINES.
Claims use since Aug. 1, 1923.

Reg. No. 205,304. Registered Nov. 3, 1925. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass., a corporation of Maine. Republished by registrant.

BLACKGNAT

FOR FISHING LINES.
Claims use since Aug. 1, 1923.

Reg. No. 210,221. Registered Mar. 9, 1926. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass., a corporation of Maine. Republished by registrant.

Jenny Lind

FOR FISHING LINES.
Claims use since Aug. 1, 1923.

Reg. No. 216,585. Registered Aug. 17, 1926. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass., a corporation of Maine. Republished by registrant.

GOLD STANDARD

The word "Standard" is disclaimed apart from the mark as shown.
FOR FISHING LINES.
Claims use since Aug. 1, 1923.

Reg. No. 305,271. Registered Aug. 8, 1933. GEORGE SPENCER, MOULTON & COMPANY, LIMITED, London, England, a corporation organized under the laws of Great Britain. Republished by registrant.

SPENCER MOULTON

FOR INDIA-RUBBER BALLS FOR GAMES, AND TENNIS BALLS.
Claims use since 1891.

Reg. No. 390,807. Registered Aug. 4, 1942. DES MOINES GLOVE & MFG. COMPANY, INC., Des Moines, Iowa, a corporation of Iowa. Republished by registrant.

Tufhorse

FOR GOLF BAGS MADE PARTLY OF CANVAS, BASEBALL GLOVES MADE OF LEATHER, BAGS MADE WHOLLY OR IN PART OF LEATHER AND FABRIC AND USED FOR FISHING TACKLE.
Claims use since March 1918.

CLASS 23
CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 86,594. Registered May 21, 1912. THE S. HOWES COMPANY, Silver Creek, N. Y. Republished by S. Howes Co., Inc., Silver Creek, N. Y., a corporation of New York.

EUREKA

FOR GRAIN-CLEANERS, GRAIN-SEPARATORS, GRAIN-SCOURERS, GRAIN-POLISHERS, GRAIN-GRADERS, SMUT-MACHINES, COFFEE AND RICE HULLERS, SEPARATORS, POLISHERS, AND GRADERS, FLOUR SIFTING, MIXING, AND BLENDING MACHINES, FLOUR-SAMPLING MACHINES, WHEAT WASHING, WHIZZING, AND DRYING MACHINES, OAT-CLIPPING MACHINES, CORN-SHELLERS, GRAIN-ASPIRATORS, BRAN AND MIDDLINGS DUSTERS, AND DUST-COLLECTORS.
Claims use since Oct. 16, 1881.

Reg. No. 95,302. Registered Feb. 10, 1914. CRESCENT TOOL COMPANY, Jamestown, N. Y., a corporation of New York. Republished by registrant.

MOTOR KIT

FOR PLIERS.
Claims use since June 12, 1913.

Reg. No. 97,826. Registered June 23, 1914. CRESCENT TOOL COMPANY, Jamestown, N. Y., a corporation of New York. Republished by registrant.

CeeTeeCo

FOR PLIERS AND WRENCHES.
Claims use since October 1913.

Reg. No. 365,639. Registered Mar. 14, 1939. A AND Z CHAIN COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

A&Z

FOR JEWELRY FOR PERSONAL USE AND ADORNMENT, NOT INCLUDING WATCHES — NAMELY, WATCH-CHAINS, WATCH-GUARDS, NECK CHAINS, KEY-CHAINS, SAUTOIRS, LOCKETS, PENDANTS, CROSSES, CHARMS, KEY-RINGS, BAR-PINS, SCARF-PINS, BROOCHES, CUFF-LINKS, CUFF-BUTTONS, KNIVES, BRACELETS, WRIST-WATCH BRACELETS, CLASPS, AND BUCKLES, ALL OF THE FOREGOING ARTICLES BEING MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METAL.
Claims use since October 1909.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 275,890. Registered Oct. 7, 1930. H. KOHNSTAMM & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.



The words "Nets," "Wear Best," and "Wash Best" are disclaimed apart from the mark as shown. The drawing is lined to indicate the colors red, yellow, and green.

FOR LAUNDRY NETS.

Claims use since Dec. 1, 1929.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 328,322. Registered Sept. 24, 1935. PENN ELECTRIC SWITCH CO., Des Moines, Iowa, a corporation of Iowa. Republished by registrant, present address Goshen, Ind.

TEMTROL

FOR THERMOSTATS FOR CONTROLLING OIL BURNERS, GAS BURNERS, AND OTHER HEATING APPARATUS.

Claims use since Mar. 1, 1934.

Reg. No. 354,905. Registered Mar. 1, 1938. PENN ELECTRIC SWITCH CO., Goshen, Ind., a corporation of Iowa. Republished by registrant.

Tem-Clock

The word "Clock" is disclaimed apart from the mark as shown.

FOR CONTROL CLOCKS FOR CONTROLLING OIL BURNERS, GAS BURNERS, AIR CONDITIONING APPARATUS, AND OTHER HEATING AND/OR COOLING APPARATUS.

Claims use since Mar. 15, 1937.

Reg. No. 389,393. Registered Aug. 5, 1941. MERCURY BATTERY CHARGER & TESTER CORP., Kansas City, Mo., assignor to The Mercury Corporation. Republished by The Mercury Battery Charger Company, Kansas City, Mo., a corporation of Missouri.

MERCO

FOR COMBINATION BATTERY CHARGING AND TESTING APPARATUS.

Claims use since Jan. 8, 1941.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 365,539. Registered Mar. 14, 1939. A AND Z CHAIN COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

A&Z

FOR JEWELRY FOR PERSONAL USE AND ADORNMENT, NOT INCLUDING WATCHES — NAMELY, WATCH-CHAINS, WATCH-GUARDS, NECK CHAINS, KEY-CHAINS, SAUTOIRS, LOCKETS, PENDANTS, CROSSES, CHARMS, KEY-RINGS, BAR-PINS, SCARF-PINS, BROOCHES, CUFF-LINKS, CUFF-BUTTONS, KNIVES, BRACELETS, WRIST-WATCH BRACELETS, CLASPS, AND BUCKLES, ALL OF THE FOREGOING ARTICLES BEING MADE WHOLLY OR IN PART OR PLATED WITH PRECIOUS METAL.

Claims use since October 1909.

Reg. No. 440,329. Registered Aug. 24, 1948. SCHLERS-HARDWOOD CO. INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

PRISMLITE

FOR PRECIOUS AND SEMI-PRECIOUS CUT STONES.

Claims use since Jan. 23, 1947.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 199,851. Registered June 16, 1925. NATIONAL BROOM MANUFACTURING COMPANY, Pueblo, Colo., a corporation of Colorado. Republished by registrant.

PURE GOLD

FOR BROOMS.

Claims use since Jan. 1, 1915.

Reg. No. 411,109. Registered Jan. 2, 1945. THE PERSONAL PRODUCTS CORPORATION, Milltown, N. J. Republished by Personal Products Corporation, North Brunswick Township, N. J., a corporation of New Jersey.

CO-ETS

FOR SMALL PADS OF COTTON USED PRIMARILY FOR CLEANSING, OR THE APPLICATION OF COSMETICS, MEDICAMENTS, AND TOILETRIES.

Claims use since August 1937.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 255,632. Registered Apr. 30, 1929. AIR-MAZE CORPORATION, Cleveland, Ohio, a corporation of Delaware. Republished by registrant.

AIR-MAZE

The word "Air" is disclaimed apart from the mark as shown.

FOR AIR FILTERS FOR INTERNAL COMBUSTION ENGINES AND FOR CARBURETORS.

Claims use since Sept. 1, 1925.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 124,886. Registered Mar. 18, 1919. SHERER-GILLETT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant, present address Marshall, Mich.

SHERER

FOR DISPLAY COUNTERS.

Claims use since April 1894.

Reg. No. 203,645. Registered Sept. 22, 1925. CORRY-JAMESTOWN MANUFACTURING CORPORATION, Jamestown, N. Y., and Corry, Pa., a corporation of New York. Republished by registrant.

Steel Age

FOR OFFICE FURNITURE — NAMELY, FILING CASES, CABINETS, TABLES, DESKS, WASTE BASKETS, AND STEEL EQUIPMENT BUILT TO ORDER.

Claims use since March 1925.

Reg. No. 289,151. Registered Nov. 17, 1931. FALCONER PLATE GLASS CORPORATION, Falconer, N. Y., a corporation of New York. Republished by registrant.

FALCONER
DUREVER
MIRRORS

The words "Falconer" and "Mirrors" are disclaimed apart from the mark as shown.

FOR MIRRORS.

Claims use since Apr. 29, 1931.

Reg. No. 302,994. Registered May 9, 1933. GRAND RAPIDS FURNITURE MAKERS GUILD, Grand Rapids, Mich., a corporation of Michigan. Republished by registrant.



The words "True Grand Rapids Cabinet Making Certified" are disclaimed except in connection with the mark shown.

FOR WOODEN AND UPHOLSTERED HOUSEHOLD AND OFFICE FURNITURE—NAMELY, BEDS, DRESSERS, CHIFFONIERS, CHIFFOROBES, TOILET TABLES, VANITIES, CANDLE STANDS, BENCHES, PORTABLE MIRRORS, DRESSING TABLES, STOOLS, DRESSER MIRRORS, DRESSING TABLE MIRRORS, VANITY MIRRORS, CHESTS, CHEST OF DRAWERS, NIGHT STANDS, NIGHT TABLES, DESK CHAIRS, PRINCESS DRESSERS, VANITY DRESSERS, SOMNOES, HIGHBOYS, LOWBOYS, TALLBOYS, MIRRORS WITH WOODEN FRAMES, BED CHESTS, SLIPPER CHAIRS, WELCH DRESSERS, BEDROOM CHAIRS, UPHOLSTERED BEDS, SIDEBOARDS, BUFFETS, SERVERS, CHINA CABINETS, EXTENSION TABLES, REFECTORY TABLES, SERVING TABLES, CORNER SERVERS, SIDE TABLES, CORNER CABINETS, SIDE CHAIRS, ARM CHAIRS, CONSOLE TABLES, CONSOLE CHESTS, PEDESTAL TABLES, SILVER CABINETS, TABLE SERVERS, DINETTE CHAIRS, DINETTE TABLES, DAVENPORTS, LOVE SEATS, SOFAS, CHAISE LOUNGES, BOUDOIR CHAIRS, COUCHES, END TABLES, ROCKERS, SPINET DESKS, LADIES' DESKS, HOUSE DESKS, BOOKCASES, CABINETS, TROUSSEAU CHESTS, MAGAZINE RACKS, COFFEE TABLES, CELLARETS, CONSOLES, COMMODES, BOOK TABLES, DAVENPORT TABLES, TEA TABLES, DROP LEAF TABLES, SECRETARIES, FRENCH CHESTS, WINDOW SEATS, EASY CHAIRS, HIGHBACK CHAIRS, HALL CHAIRS, OCCASIONAL CHAIRS, PULL-UP CHAIRS, HASSOCKS, WING CHAIRS, FIRESIDE CHAIRS, OFFICE CHAIRS, BOOK-END CABINETS, OFFICE CABINETS, PIER CABINETS, COSTUMERS, NEST OF TABLES, LIBRARY DESKS, KIDNEY DESKS, OFFICE DESKS, BUTTERFLY TABLES, CHAIRSIDE TABLES, GATELEG TABLES, FOLDING TOP TABLES, MAGAZINE TABLES, OFFICE TABLES, RADIO TABLES, SEWING TABLES, IVY STANDS, LAMP STANDS, TEA CARTS, LIVING ROOM TABLES, SETTEES, GATELEG DESKS, TABLE DESKS, DIRECTORS' DESKS, LIBRARY TABLES, TILT TOP TABLES, SETTLES, CABINET DESKS, OCTAGON TABLES, DRUM TABLES, OCCASIONAL TABLES, PIANO STOOLS, CARD TABLES, TELEPHONE CABINETS, MAKE-UP TABLES, RADIO CABINETS, SEWING CABINETS, DRESSING SCREENS, DRAW-TOP TABLES, REVOLVING BOOKSTANDS, BOOK CABINETS, MAGAZINE STANDS, WALL DESKS, CIGARETTE TABLES, REVOLVING DRUM TABLES, DAYBEDS, TELEPHONE STANDS, REFRESHMENT CABINETS, BOUCHER DESKS, CONSOLE MIRRORS, AND CEDAR LINED HOPE CHESTS.

Claims use since February 1932.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 238,542. Registered Feb. 7, 1928. WESTERN BLOWER CO., Seattle, Wash. Republished by West Wind Corporation, Seattle, Wash., a corporation of Washington.

WEST WIND

FOR VENTILATING FANS.
Claims use since Mar. 15, 1927.

Reg. No. 368,700. Registered June 27, 1939. AIR-MAZE CORPORATION, Cleveland, Ohio, a corporation of Delaware. Republished by registrant.

Hicentfe

FOR AIR FILTERING PANELS.
Claims use since Jan. 16, 1939.

Reg. No. 372,902. Registered Nov. 21, 1939. THE AMSLER-MORTON COMPANY, Pittsburgh, Pa. Republished by Amsler Morton Corporation, Pittsburgh, Pa., a corporation of Delaware.

AMCO

FOR INDUSTRIAL HEATING AND MELTING FURNACES.
Claims use since 1922.

Reg. No. 373,325. Registered Dec. 5, 1939. AIR-MAZE CORPORATION, Cleveland, Ohio, a corporation of Delaware. Republished by registrant.

Greastop

FOR AIR FILTERING PANELS.
Claims use since May 15, 1939.

Reg. No. 391,178. Registered Oct. 28, 1941. KLAUER MANUFACTURING COMPANY, Dubuque, Iowa, a corporation of Iowa. Republished by registrant.

Ridgelator

FOR GRAVITY ROOF VENTILATORS.
Claims use since May 25, 1940.

Reg. No. 430,718. Registered June 24, 1947. DAY & NIGHT MANUFACTURING COMPANY, Monrovia, Calif., a corporation of California. Republished by registrant.

PANELRAY

FOR GAS CONSUMING SPACE HEATERS.
Claims use since Mar. 19, 1945.

Reg. No. 438,171. Registered Apr. 13, 1948. BENNETT-IRELAND, Norwich, N. Y. Republished by Bennett-Ireland Inc., Norwich, N. Y., a corporation of New York.



The drawing is lined for red. The words "Fireplace" and "Aire" are disclaimed apart from the mark as shown.
FOR FIREPLACE STRUCTURES COMPRISING A FIRE BOX, THROAT DAMPER, DOWN-DRAFT SHELF AND A COMBUSTION CHAMBER ASSEMBLED AS A SINGLE UNIT.
Claims use since Nov. 30, 1945.

Reg. No. 439,322. Registered June 15, 1948. QUAKER MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

QUAKER

FOR OIL BURNING SPACE HEATERS, RANGES, AND CONVERSION BURNERS FOR CENTRAL HEATING PLANTS.
Claims use since May 15, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 80,879. Registered Feb. 7, 1911. PENNSYLVANIA FLEXIBLE METALLIC TUBING CO., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR FLEXIBLE METALLIC TUBING.
Claims use since Feb. 16, 1910.

Reg. No. 87,919. Registered Aug. 13, 1912. PENNSYLVANIA FLEXIBLE METALLIC TUBING CO., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

PENFLEX

FOR METAL HOSE.
Claims use since May 1, 1911.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 347,098. Registered June 15, 1937. WESTERN STATES WHOLESALE MUSIC CORPORATION, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Los Angeles, Calif.

"MIRATONE"

FOR BRASS, REED, AND STRINGED MUSICAL INSTRUMENTS—NAMELY, CORNETS, TRUMPETS, TROMBONES, SAXOPHONES, BASS HORNS, VIOLINS, CLARINETS, AND GUITARS.
Claims use since Dec. 19, 1936.

Reg. No. 351,011. Registered Oct. 12, 1937. WESTERN STATES WHOLESALE MUSIC CORPORATION, Seattle, Wash., a corporation of Washington. Republished by registrant, present address Los Angeles, Calif.



The drawing is lined for red and black. The representation of the goods, the package, and the words "Guitar Steel" are disclaimed apart from the mark as shown.
FOR GUITAR STEELS.
Claims use since Jan. 11, 1937.

CLASS 37

PAPER AND STATIONERY

Reg. No. 137,216. Registered Nov. 23, 1920. EBERHARD FABER, Brooklyn, N. Y. Republished by Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York.

VAN DYKE

FOR LEAD-PENCILS, PENCIL-LENGTHENERS, PENCIL-ERASERS, AND PENHOLDERS.
Claims use since Jan. 1, 1895.

Reg. No. 166,942. Registered Apr. 17, 1923. THE TISSUE COMPANY, Saugerties, N. Y., a corporation of New York. Republished by registrant.



No claim is made to the words "Saugerties, N. Y.," apart from the mark as shown.
FOR CREPE PAPER.
Claims use since Aug. 10, 1916.

Reg. No. 196,826. Registered Mar. 31, 1925. THE TISSUE COMPANY, Saugerties, N. Y., a corporation of New York. Republished by registrant.

TISS-KLOTH

FOR PAPER NAPKINS.
Claims use since about Sept. 4, 1923.

Reg. No. 203,591. Registered Sept. 22, 1925. HAMPSHIRE PAPER COMPANY, South Hadley Falls, Mass., a corporation of Massachusetts. Republished by registrant, present address Holyoke, Mass.

Haddon Hall Vellum

The word "Velium" is disclaimed apart from the mark as shown.
FOR WRITING AND PRINTING PAPER AND MAILING ENVELOPES ADAPTED FOR SOCIAL AND BUSINESS PURPOSES, AND WRITING AND PRINTING PAPER ADAPTED FOR ANNOUNCEMENT PURPOSES.
Claims use since Apr. 1, 1925.

Reg. No. 249,780. Registered Nov. 20, 1928. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.



FOR TOILET PAPER, PAPER TOWELS, AND PAPER NAPKINS.
Claims use since about 1900.

Reg. No. 249,781. Registered Nov. 20, 1928. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

RED RAY

FOR TOILET PAPER, PAPER TOWELS, AND PAPER NAPKINS.
Claims use since Apr. 12, 1928.

Reg. No. 285,296. Registered July 21, 1931. THE TISSUE COMPANY, Saugerties, N. Y., a corporation of New York. Republished by registrant.

TISLYN

FOR PAPER NAPKINS AND HANDKERCHIEFS.
Claims use since Aug. 1, 1930.

Reg. No. 285,298. Registered July 21, 1931. THE CHATFIELD PAPER CORPORATION, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

TORORAP

FOR BUTCHERS' WRAPPING PAPER.
Claims use since Mar. 14, 1931.

Reg. No. 342,467. Registered Jan. 19, 1937. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.



The trade-mark consists of a circumferential band of black color displayed on the tip or end of a lead pencil or penholder, or on the ferrule, mouthpiece, point protector, or any other attachment to a lead pencil, no claim being made to the representation of a pencil per se. The drawing is lined to indicate the color black.
FOR LEAD PENCILS, COLORED AND COPYING PENCILS, PENCIL POINT PROTECTORS, PENCIL HOLDERS, PENHOLDERS, MECHANICAL PENCILS, AND PENCIL LENGTHENERS.
Claims use since 1909.

Reg. No. 409,176. Registered Sept. 19, 1944. THE TISSUE COMPANY, Sangerties, N. Y., a corporation of New York. Republished by registrant.

LYNKLOTH

FOR PAPER NAPKINS.
Claims use since July 20, 1923.

Reg. No. 416,815. Registered Oct. 2, 1945. THE TISSUE COMPANY, Saugerties, N. Y., a corporation of New York. Republished by registrant.

PAKLOTH

FOR EMBOSSED PAPER NAPKINS.
Claims use since Feb. 27, 1922.

Reg. No. 435,956. Registered Jan. 20, 1948. SITROUX, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Duette

FOR FACIAL TISSUES.
Claims use since June 1, 1945.

CLASS 38
PRINTS AND PUBLICATIONS

Reg. No. 214,145. Registered June 15, 1926. THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.

YOUR BABY and MINE

FOR TITLE FOR NEWSPAPER ITEMS.
Claims use since Apr. 15, 1918.

Reg. No. 217,491. Registered Aug. 31, 1926. THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.



The drawing is lined for the color red.
FOR PERIODICAL.
Claims use since Apr. 13, 1912.

Reg. No. 344,017. Registered Mar. 9, 1937. THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.

Machine Gun Camera Pictures

FOR PICTURE SECTION OF A NEWSPAPER.
Claims use since Oct. 6, 1936.

Reg. No. 384,069. Registered Jan. 7, 1941. WHITMAN PUBLISHING COMPANY, Racine, Wis., assignor to K. K. Publications, Inc. Republished by K. K. Publications, Incorporated, Poughkeepsie, N. Y., a corporation of New York.

SUPER COMICS

FOR PERIODICAL PUBLICATION.
Claims use since Apr. 1, 1938.

Reg. No. 419,659. Registered Feb. 26, 1946. HEARST MAGAZINES INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

Junior BAZAAR

FOR MAGAZINE PUBLISHED ANNUALLY AND AT OTHER INTERVALS, DEVOTED PRIMARILY TO FEMININE FASHIONS.
Claims use since on or about Aug. 13, 1943.

CLASS 39
CLOTHING

Reg. No. 82,316. Registered June 20, 1911. MARSHALL FIELD & COMPANY, Chicago, Ill. Republished by McCoy, Jones & Company, Inc., Chicago, Ill., a corporation of Illinois.

"CARMEN"

FOR HAIR NETS.
Claims use since about January 1908.

Reg. No. 107,032. Registered Nov. 9, 1915. M. WILE & Co., Buffalo, N. Y. Republished by M. Wile & Company, Inc., Buffalo, N. Y., a corporation of New York.

"CLUB CLOTHES"

The word "Clothes" is disclaimed apart from the mark as shown.
FOR MEN'S, YOUTHS', BOYS', AND CHILDREN'S CLOTH OUTER SUITS, AND OVERCOATS.
Claims use since July 1, 1915.

Reg. No. 118,466. Registered Oct. 17, 1916. M. WILE & Co., Buffalo, N. Y. Republished by M. Wile & Company, Inc., Buffalo, N. Y., a corporation of New York.



The word "Clothes" is disclaimed apart from the mark as shown. The drawing is lined for red, yellow, and blue.
FOR MEN'S, YOUTHS', BOYS', AND CHILDREN'S CLOTH OUTER SUITS, PARTS THEREOF, AND OVERCOATS.
Claims use since July 1, 1915.

Reg. No. 169,038. Registered June 5, 1923. THE MUNSINGWEAR CORPORATION, Minneapolis, Minn. Republished by Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware.

MUNSING Wear

FOR UNDERWEAR, KNIT OR WOVEN, AND HOSIERY, FOR MEN, WOMEN, AND CHILDREN.
Claims use since Jan. 22, 1923.

Reg. No. 180,052. Registered Feb. 19, 1924. WALL, STREETER & DOYLE CO., North Adams, Mass. Republished by Wall-Streeter Shoe Co., North Adams, Mass., a corporation of Massachusetts.

WALL MARK

FOR SHOES MADE WHOLLY OR IN PART OF LEATHER.
Claims use since July 1920.

Reg. No. 217,776. Registered Sept. 7, 1926. ALASKA FUR COMPANY, San Antonio, Tex. Republished by Lena Polunsky, doing business as Alaska Fur Company, San Antonio, Tex.



The words "Alaska Fur Company" are disclaimed apart from the mark as shown.
FOR WOMEN'S, MISSES', AND CHILDREN'S CHOKERS, NECKPIECES, CAPES, COATS, HATS, GLOVES, AND MITTENS MADE WHOLLY OR IN PART OF FUR.
Claims use since Oct. 1, 1925.

Reg. No. 225,826. Registered Mar. 22, 1927. EAGLE KNITTING MILLS, Milwaukee, Wis. Republished by Eagle Knitting Mills, Inc., Milwaukee, Wis., a corporation of Wisconsin.



The word "Knit" per se is disclaimed apart from the mark as shown.
FOR KNIT GOODS—NAMELY, CAPS FOR MEN, WOMEN, AND CHILDREN, SWEATER COATS, SCARFS, LEGGINGS, AND MITTENS.
Claims use since on or about Nov. 22, 1913.

Reg. No. 228,068. Registered May 24, 1927. CHANDLER BOOT SHOPS, Atlanta, Ga., New Orleans, La., Birmingham, Ala., Memphis and Nashville, Tenn., and Louisville, Ky. Republished by Edison Brothers Stores, Inc., St. Louis, Mo., a corporation of Delaware.

"Mar-V-Lus"

FOR HOSIERY.
Claims use since August 1926.

Reg. No. 237,533. Registered Jan. 10, 1928. PHILLIPS' PATENTS LIMITED, London, England, a corporation organized under the laws of Great Britain. Republished by registrant.

STICK-A-SOLES

The word "Soles" is disclaimed apart from the mark as shown.
FOR INDIA RUBBER PLATES OR PADS FOR ATTACHMENT TO THE SOLES OF BOOTS AND SHOES.
Claims use since May 1924.

Reg. No. 247,187. Registered Sept. 25, 1928. FARR BROS. CO., Allentown, Bethlehem, Reading, and Easton, Pa., a corporation of Pennsylvania. Republished by registrant.



The expression "Holds Up the Arch" is disclaimed apart from the mark as shown.
FOR SHOES CONSTRUCTED OF LEATHER AND SHOES CONSTRUCTED OF FABRIC FOR MEN, WOMEN, BOYS, YOUTHS, LITTLE MEN, MISSES, CHILDREN, AND GROWING GIRLS.
Claims use since Apr. 1, 1928.

Reg. No. 277,808. Registered Nov. 25, 1930. BEAR BRAND HOSIERY CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

DURAMODE

FOR HOSIERY.
Claims use since July 8, 1930.

Reg. No. 312,916. Registered May 15, 1934. THE COWARD SHOE, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Vitasox

FOR HOSIERY.
Claims use since Nov. 29, 1933.

Reg. No. 318,319. Registered Oct. 23, 1934. PLOTTEL BROTHERS, New York, N. Y. Republished by Plottel Brothers, Inc., New York, N. Y., a corporation of New York.

HELIO

FOR RAINCOATS, SPORT SUITS AND COATS, SUITS, TOP COATS, OVERCOATS, GOLF JACKETS, WEATHERPROOFED SHIRTS AND PANTS, PONCHOS, AND BEACH PANTS FOR MEN, WOMEN, AND CHILDREN, AND GOLF SHIRTS, BEACH CAPES, AND HATS, FOR WOMEN AND GIRLS.
Claims use since September 1933.

Reg. No. 324,210. Registered May 14, 1935. HAT CORPORATION OF AMERICA, Norwalk, Conn., a corporation of Delaware. Republished by registrant.

GAME BIRD

FOR HATS FOR MEN AND WOMEN.
Claims use since January 1933.

Reg. No. 331,222. Registered Dec. 31, 1935. LEVY BROS. & ADLER ROCHESTER, INC., Rochester, N. Y., a corporation of New York. Republished by registrant.

WEATHER VANE



FOR MEN'S AND BOYS' TOPCOATS AND OVERCOATS.
Claims use since Aug. 19, 1935.

Reg. No. 330,261. Registered Sept. 20, 1936. PLOTTEL BROTHERS, New York, N. Y. Republished by Plottel Brothers, Inc., New York, N. Y., a corporation of New York.

HIGH AND DRY

FOR RAINCOATS.
Claims use since Nov. 1, 1935.

Reg. No. 345,010. Registered Apr. 13, 1937. THE STROUSS-HIRSHBERG COMPANY, Youngstown, Ohio. Republished by The May Department Stores Company, St. Louis, Mo., a corporation of New York.

Stride Eze

The word "Eze" is disclaimed apart from the mark as shown.
FOR WOMEN'S SHOES MADE OF LEATHER, RUBBER AND FABRIC AND COMBINATIONS OF THOSE MATERIALS.
Claims use since Aug. 31, 1936.

Reg. No. 354,047. Registered Feb. 1, 1938. WORTH UNDERGARMENT CO., New York, N. Y., a firm. Republished by registrant.

Hi STEPPER

FOR LADIES' SILK UNDERGARMENTS, CONSISTING OF SLIPS, PAJAMAS, GOWNS, DANCE-SETS, PANTIES, CHEMISES, AND PETTICOATS.
Claims use since Aug. 12, 1936.

Reg. No. 356,245. Registered Apr. 19, 1938. PLOTTEL BROTHERS, New York, N. Y. Republished by Plottel Brothers, Inc., New York, N. Y., a corporation of New York.



FOR WATERPROOF, PROCESSED, RUBBERIZED, AND SHOWERPROOF RAINCOATS FOR MEN, WOMEN, AND CHILDREN, AND SPORT COATS FOR MEN, WOMEN, AND CHILDREN, ALSO SAILING SUITS, FISHING SHIRTS, AND GOLF JACKETS.
Claims use since January 1937.

Reg. No. 372,664. Registered Nov. 7, 1939. IRELAND BROS., Johnstown, N. Y., a partnership. Republished by registrant.

LAVANDO

FOR LADIES' GLOVES, MADE OF LEATHER AND FABRICS.
Claims use since June 12, 1939.

Reg. No. 399,196. Registered Dec. 22, 1942. DES MOINES GLOVE & MFG. COMPANY, INC., Des Moines, Iowa, a corporation of Iowa. Republished by registrant.

Tufhorse

FOR GLOVES AND MITTENS MADE WHOLLY OR PARTIALLY OF LEATHER.
Claims use since March 1918.

Reg. No. 404,944. Registered Dec. 28, 1943. TOWNCLIFFE, INC., New York, N. Y., a corporation of New York. Republished by registrant.

TOWNCLIFFE

FOR LADIES' AND MISSES' COATS, SUITS, JACKETS, AND SKIRTS.
Claims use since July 1940.

Reg. No. 418,707. Registered Jan. 8, 1946. HOLIDAY CASUALS, New York, N. Y., a firm. Republished by registrant, present address Brooklyn, N. Y.

Holidebs

FOR SLIPPERS MADE OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS OF SAID MATERIALS.
Claims use since Jan. 10, 1945.

Reg. No. 425,835. Registered Dec. 3, 1946. SITROUX, INC., New York, N. Y., a corporation of New York. Republished by registrant.

QUEEN QUALITY

The word "Quality" is disclaimed apart from the mark as shown.
FOR HAIR NETS.
Claims use since Dec. 22, 1914.

Reg. No. 427,077. Registered Jan. 28, 1947. HAROTH STORES, INC., New York, N. Y., a corporation of New York. Republished by registrant.

"Cromleigh"

FOR GIRLS', MISSES', AND LADIES' COATS MADE OF CLOTH, FUR, AND COMBINATIONS THEREOF, AND GIRLS', MISSES', AND LADIES' SUITS.
Claims use since Sept. 6, 1945.

Reg. No. 436,862. Registered Mar. 2, 1948. WELLS LAMONT CORPORATION, Chicago, Ill., a corporation of Minnesota. Republished by registrant.

KING COTTON

The word "Cotton" is disclaimed apart from the mark as shown.
FOR WORK GLOVES.
Claims use since Sept. 19, 1945.

Reg. No. 440,242. Registered Aug. 17, 1948. TIMELY CLOTHES, INC., Rochester, N. Y., a corporation of New York. Republished by registrant.

TIMELY

FOR MEN'S AND YOUNG MEN'S SUITS, TOP COATS, OVERCOATS, SPORT COATS, TROUSERS, SPORT SLACKS, TUXEDO SUITS, FULL DRESS SUITS, SUMMER WEIGHT SUITS, SUMMER WEIGHT COATS, SUMMER WEIGHT TROUSERS, RAINCOATS, AND SPORT JACKETS.
Claims use since Oct. 5, 1931.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 252,016. Registered Jan. 22, 1929. INTERNATIONAL BRAID COMPANY, Providence, R. I. Republished by International Braid Corp., Fall River, Mass., a corporation of Massachusetts.



FOR SHOE LACINGS, CORSET LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, TAPES, BELTINGS, BINDINGS, GALLOONS, AND BANDINGS, ALL OF WHICH ARE WOVEN OR BRAIDED OF COTTON, RAYON, SILK, OR WORSTED.
Claims use since June 13, 1927.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 148,633. Registered Nov. 22, 1921. LESEM BACH, New York, N. Y. Republished by Lesem Bach & Co. Inc., New York, N. Y., a corporation of New York.

BACKBONE

FOR PIECE GOODS MANUFACTURED FROM OR CONSISTING OF LINEN, COTTONS, HEMPS, SILKS, OR WOOL, USED IN MAKING COAT-FRONTS.
Claims use since May 1920.

Reg. No. 160,745. Registered Oct. 24, 1922. WITCOMBE, MCGEACHIN & CO., New York, N. Y. Republished by Witcombe, McGeachin & Co. Inc., New York, N. Y., a corporation of New York.

WITCHIN

FOR COTTON, COTTON AND SILK, AND COTTON AND ARTIFICIAL SILK FABRICS IN THE PIECE AND MADE-UP DRAPERIES, CASEMENTS, CURTAINS, AND WALL AND FURNITURE COVERINGS OF SAID FABRICS.
Claims use since July 1921.

Reg. No. 250,218. Registered Dec. 4, 1928. TEXTILEATHER CORPORATION, Newark, N. J., a corporation of Delaware. Republished by registrant, present address Toledo, Ohio.

TEXTILOID

FOR COATED FABRIC.
Claims use since May 29, 1928.

Reg. No. 312,302. Registered Apr. 24, 1934. CARTER DAY GOODS COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.



FOR SHEETINGS, SHEETS, PILLOWCASES, BED SPREADS, AND COTTON PIECE GOODS.
Claims use since Apr. 25, 1921.

Reg. No. 345,836. Registered May 11, 1937. ALFRED L. HELWITH, New York, N. Y. Republished by registrant.

BAMBOO

FOR COTTON, RAYON AND SILK FABRICS, IN THE PIECE.
Claims use since July 23, 1936.

Reg. No. 401,804. Registered June 15, 1943. LESEM BACH & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

BACKADERE

FOR PIECE GOODS OF RAYON, WOOL, COTTON, SILK MATERIALS AND ANY COMBINATION OF SAME, IN THE GRAY, FINISHED, PROCESSED, DYED AND MANUFACTURED.
Claims use since Nov. 20, 1942.

Reg. No. 417,133. Registered Oct. 16, 1945. JOSEPH GLUCK, New York, N. Y. Republished by Joseph Gluck Fabrics, Inc., New York, N. Y., a corporation of New York.



The words "Glo" and "Fabrics" are disclaimed apart from the mark as shown.
FOR RAYON PIECE GOODS.
Claims use since November 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 117,207. Registered June 19, 1917. THE SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Republished by The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York.

Korrecto

FOR INSTEP-ARCH SUPPORTS.
Claims use since 1906.

Reg. No. 194,123. Registered Jan. 13, 1925. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

BAND-AID

FOR PROTECTIVE SURGICAL DRESSING IN THE FORM OF A BANDAGE.
Claims use since November 1920.

Reg. No. 198,338. Registered May 12, 1925. THE PYRAMID RUBBER SPECIALTY COMPANY, Ravenna, Ohio. Republished by The Pyramid Rubber Company, Ravenna, Ohio, a corporation of Ohio.

"C-Thru"

FOR RUBBER NURSING NIPPLES.
Claims use since June 1922.

Reg. No. 406,362. Registered Jan. 25, 1944. JOHNSON & JOHNSON, New Brunswick, N. J., a corporation of New Jersey. Republished by registrant.

RAY-TEC

FOR SURGICAL DRESSINGS AND SPONGES.
Claims use since Feb. 8, 1943.

Reg. No. 407,150. Registered May 23, 1944. THE PERSONAL PRODUCTS CORPORATION, New Brunswick, N. J. Republished by Personal Products Corporation, North Brunswick Township, N. J., a corporation of New Jersey.

Meds

FOR TAMPONS.
Claims use since June 21, 1939.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 252,535. Registered Feb. 12, 1929. PEE DEE BOTTLING COMPANY, Wadesboro, N. C., a corporation of North Carolina. Republished by registrant.

PEEDEE CLUB

FOR MALTLESS, NONALCOHOLIC, CARBONATED BEVERAGES, AND INGREDIENTS FOR MAKING THE SAME.
Claims use since about Dec. 1, 1927.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 45,493. Registered Aug. 22, 1905. THE HUNGARIAN MILLING & ELEVATOR COMPANY, Denver, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

PRIDE OF DENVER

FOR WHEAT FLOUR.
Claims use since June 7, 1877.

Reg. No. 45,490. Registered Aug. 22, 1905. THE HUNGARIAN MILLING & ELEVATOR COMPANY, Denver, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

SNOW BIRD

FOR WHEAT FLOUR.
Claims use since 1887.

Reg. No. 45,561. Registered Aug. 22, 1905. CRESCENT MILL & ELEVATOR COMPANY, Denver, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

PRIDE OF COLORADO

FOR WHEAT FLOUR.
Claims use since 1877.

Reg. No. 51,794. Registered Apr. 24, 1906. JOHN F. MEYER & SONS MILLING CO., St. Louis and Springfield, Mo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.
Claims use since Aug. 1, 1894.

Reg. N. 51,795. Registered Apr. 24, 1906. JOHN F. MEYER & SONS MILLING CO., St. Louis and Springfield, Mo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.
Claims use since Mar. 11, 1884.

Reg. No. 54,516. Registered June 26, 1906. JOHN F. MEYER & SONS MILLING CO., St. Louis and Springfield, Mo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.
Claims use since Aug. 28, 1883.

Reg. No. 57,596. Registered Nov. 13, 1906. JOHN F. MEYER & SONS MILLING CO., St. Louis and Springfield, Mo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado



FOR WHEAT FLOUR.
Claims use since July 1, 1900.

Reg. No. 57,598. Registered Nov. 13, 1906. THE LONGMONT FARMERS MILLING & ELEVATOR CO., Longmont, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.
Claims use since Dec. 20, 1880.

Reg. No. 70,518. Registered Sept. 8, 1908. THE C. HOFFMAN & SON MILLING COMPANY, Enterprise, Kans. Republished by Flour Mills of America, Inc., Kansas City, Mo., a corporation of Delaware.

FANCHON
THE FLOUR OF QUALITY

FOR WHEAT FLOUR.
Claims use since about 1900.

Reg. No. 70,733. Registered Sept. 29, 1908. THE LONGMONT FARMERS MILLING & ELEVATOR COMPANY, Longmont, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

PRIDE OF THE MOUNTAINS

FOR WHEAT FLOUR.
Claims use since Sept. 5, 1894.

Reg. No. 70,734. Registered Sept. 29, 1908. THE LONGMONT FARMERS MILLING & ELEVATOR COMPANY, Longmont, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

MILE HIGH

FOR WHEAT FLOUR.
Claims use since Sept. 10, 1907.

Reg. No. 70,797. Registered Oct. 6, 1908. THE LONGMONT FARMERS MILLING & ELEVATOR COMPANY, Longmont, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

PRIDE OF LONGMONT

FOR WHEAT-FLOUR.
Claims use since Sept. 5, 1894.

Reg. No. 71,260. Registered Nov. 17, 1908. DODGE CITY MILLING & ELEVATOR COMPANY, Dodge City, Kans. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT-FLOUR.
Claims use since Dec. 14, 1907.

Reg. No. 71,412. Registered Nov. 24, 1908. RICHARDSON & ROBBINS CO., Dover, Del., a corporation of Delaware. Republished by registrant.



FOR CANNED, PRESERVED, AND PICKLED MEATS, POULTRY, GAME, FRUITS, VEGETABLES, CURRIED OYSTERS, AND CANNED AND PRESERVED SOUPS, PLUM-PUDDINGS, AND PLUM-PUDDING SAUCE.
Claims use since Jan. 1, 1875.

Reg. No. 78,191. Registered May 31, 1910. THE MODEL MILLING & ELEVATOR COMPANY, Greeley, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

Calendar

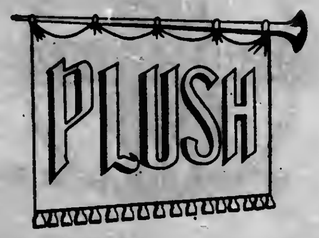
FOR WHEAT FLOUR.
Claims use since April 1895.

Reg. No. 78,261. Registered May 31, 1910. THE MODEL MILLING & ELEVATOR COMPANY, Greeley, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

OASIS

FOR WHEAT FLOUR.
Claims use since September 1875.

Reg. No. 79,478. Registered Sept. 13, 1910. THE FARMERS MILLING & MERCANTILE COMPANY, Berthoud, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.
Claims use since October 1903.

Reg. No. 82,047. Registered May 30, 1911. THE CALDWELL MILLING & ELEVATOR COMPANY, Caldwell, Idaho. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.
Claims use since December 1910.

Reg. No. 82,771. Registered July 25, 1911. THE EATON MILLING & ELEVATOR CO., Eaton, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

Crest of the Rockies

FOR WHEAT FLOUR.
Claims use since Sept. 19, 1910.

Reg. No. 85,092. Registered Jan. 30, 1912. THE EATON MILLING & ELEVATOR CO., Eaton, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

Duplicator

FOR WHEAT FLOUR.
Claims use since June 1911.

Reg. No. 85,695. Registered Mar. 5, 1912. THE TWIN FALLS MILLING & ELEVATOR CO., Twin Falls, Idaho. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

Shone Mist

FOR WHEAT FLOUR.
Claims use since July 1911.

Reg. No. 85,778. Registered Mar. 12, 1912. THE TWIN FALLS MILLING & ELEVATOR CO., Twin Falls, Idaho. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

IDAHOME

FOR WHEAT FLOUR.
Claims use since August 1911.

Reg. No. 90,335. Registered Feb. 18, 1913. THE HUSLER MILLING & ELEVATOR COMPANY, Salt Lake City, Utah. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

HUSLER'S

FOR WHEAT FLOUR.
Claims use since 1876.

Reg. No. 93,118. Registered Aug. 19, 1913. GEORGE W. SANBORN & SON, Astoria, Oreg. Republished by P. E. Harris & Co., Seattle, Wash., a corporation of Washington.

Ole Reliable



The words "Ole Reliable" are disclaimed apart from the mark as shown.
FOR CANNED SALMON.
Claims use since June 20, 1912.

Reg. No. 90,564. Registered Sept. 8, 1914. THE CRESCENT MILL & ELEVATOR CO., Denver, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

IDOL

FOR WHEAT FLOUR.
Claims use since March 1883.

Reg. No. 101,566. Registered Dec. 29, 1914. THE CRESCENT MILL & ELEVATOR CO., Denver, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

SWEET SIXTEEN

FOR SELF-RISING WHEAT FLOUR.
Claims use since Sept. 3, 1913.

Reg. No. 102,941. Registered Mar. 2, 1915. EVA GILSTER, Chester, Ill. Republished by Gilster Milling Company, Chester, Ill., a corporation of Illinois.

FEATHERLITE



FOR SELF-RISING WHEAT FLOUR.
Claims use since about Apr. 19, 1913.

Reg. No. 105,590. Registered Aug. 10, 1915. THE HAYS CITY MILLING & ELEVATOR COMPANY, Hays, Kans. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

SEMOLINO

FOR WHEAT FLOUR.
Claims use since Jan. 11, 1896.

Reg. No. 106,602. Registered Oct. 26, 1915. THE HAYS CITY MILLING & ELEVATOR COMPANY, Hays, Kans. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.

KANSAS MAID

FOR WHEAT FLOUR.
Claims use since Nov. 8, 1913.

Reg. No. 109,621. Registered Apr. 11, 1916. THE TWIN FALLS MILLING & ELEVATOR CO., Twin Falls, Idaho, and Denver, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR SELF-RISING WHEAT FLOUR.
Claims use since Sept. 24, 1915.

Reg. No. 109,623. Registered Apr. 11, 1916. THE WILSON MILLING & ELEVATOR CO., Wilson, Kans., and Denver, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.
Claims use since Oct. 16, 1915.

Reg. No. 109,624. Registered Apr. 11, 1916. THE WILSON MILLING & ELEVATOR CO., Wilson, Kans., and Denver, Colo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.
Claims use since Oct. 16, 1915.

Reg. No. 110,135. Registered May 2, 1916. THE LOVELAND MILLING & ELEVATOR COMPANY, Loveland, Colo. Repnblished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.
Claims use since July 9, 1915.

Reg. No. 111,291. Registered July 4, 1916. THE ST. ANTHONY MILLING & ELEVATOR COMPANY, St. Anthony, Idaho, and Denver, Colo. Republished by The Colorado Milling and Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.
Claims use since Sept. 24, 1915.

Reg. No. 117,576. Registered July 17, 1917. THE MODEL MILLING & ELEVATOR COMPANY, Greeley and Denver, Colo., assignor to Colorado Milling & Elevator Co., a corporation of Colorado. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.
Claims use since Jan. 16, 1917.

Reg. No. 117,577. Registered July 17, 1917. THE MODEL MILLING & ELEVATOR COMPANY, Greeley and Denver, Colo., assignor to Colorado Milling & Elevator Co., a corporation of Colorado. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.
Claims use since Jan. 16, 1917.

Reg. No. 117,578. Registered July 17, 1917. THE MODEL MILLING & ELEVATOR COMPANY, Greeley and Denver, Colo., assignor to Colorado Milling & Elevator Co., a corporation of Colorado. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR SELF RISING WHEAT FLOUR.
Claims use since Jan. 16, 1917.

Reg. No. 119,044. Registered Oct. 23, 1917. THE COLORADO MILLING & ELEVATOR CO., Denver and Pueblo, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.



FOR WHEAT FLOUR.
Claims use since Mar. 15, 1917.

Reg. No. 119,045. Registered Oct. 23, 1917. THE COLORADO MILLING & ELEVATOR CO., Denver and Pueblo, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.



FOR WHEAT FLOUR.
Claims use since Apr. 7, 1917.

Reg. No. 119,947. Registered Dec. 25, 1917. THE COLORADO MILLING & ELEVATOR CO., Denver and Pueblo, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.



FOR WHEAT FLOUR.
Claims use since Mar. 19, 1917.

Reg. No. 120,843. Registered Mar. 12, 1918. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Burley, Idaho, a corporation of Colorado. Republished by registrant, present address Denver, Colo.



FOR WHEAT FLOUR.
Claims use since June 13, 1917.

Reg. No. 121,266. Registered Apr. 23, 1918. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Burley, Idaho, a corporation of Colorado. Republished by registrant, present address Denver, Colo.



FOR WHEAT FLOUR.
Claims use since July 26, 1917.

Reg. No. 122,443. Registered Aug. 20, 1918. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Burley, Idaho, a corporation of Colorado. Republished by registrant, present address Denver, Colo.



FOR WHEAT FLOUR.
Claims use since Sept. 18, 1917.

Reg. No. 123,569. Registered Nov. 19, 1918. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Weiser, Idaho, a corporation of Colorado. Republished by registrant, present address Denver, Colo.



FOR WHEAT FLOUR.
Claims use since Dec. 3, 1917.

Reg. No. 124,682. Registered Mar. 11, 1919. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Caldwell, Idaho, a corporation of Colorado. Republished by registrant, present address Denver, Colo.



FOR WHEAT FLOUR.
Claims use since Dec. 14, 1909.

Reg. No. 126,807. Registered Sept. 30, 1919. WHITTIER CITRUS ASSOCIATION, Whittier, Calif. Republished by Whittier Citrus Association (1921), Whittier, Calif., a corporation of California.

PICO



FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT.
Claims use since June 1, 1901.

Reg. No. 126,808. Registered Sept. 30, 1919. WHITTIER CITRUS ASSOCIATION, Whittier, Calif. Republished by Whittier Citrus Association (1921), Whittier, Calif., a corporation of California.



FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT.
Claims use since June 1, 1901.

Reg. No. 128,577. Registered Jan. 6, 1920. WHITTIER CITRUS ASSOCIATION, Whittier, Calif. Republished by Whittier Citrus Association (1921), Whittier, Calif., a corporation of California.

QUAKER GIRL

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT.
Claims use since June 1, 1901.

Reg. No. 128,967. Registered Jan. 20, 1920. THE WILLIAM DAVIES COMPANY, LIMITED, Chicago, Ill. Republished by William Davies Co., Inc., Chicago, Ill., a corporation of Illinois.

NOVA

FOR BACON.
Claims use since Nov. 1, 1918.

Reg. No. 131,433. Registered May 16, 1920. THE COLORADO MILLING & ELEVATOR CO., Denver and Pueblo, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

MAJOR C

FOR WHEAT FLOUR.
Claims use since Mar. 2, 1917.

Reg. No. 134,229. Registered Aug. 24, 1920. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.



The word "Flour" is disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since July 1919.

Reg. No. 136,900. Registered Nov. 9, 1920. THE WINTHROP ORCHARDS, INC., Philadelphia, Pa. Republished by The Lamb Fruit Company, Yakima, Wash., a firm.

Win-Orz

FOR BOXED APPLES IN THEIR NATURAL STATE.
Claims use since Nov. 1, 1918.

Reg. No. 145,489. Registered Aug. 2, 1921. WHITTIER CITRUS ASSOCIATION, Whittier, Calif. Republished by Whittier Citrus Association (1921), Whittier, Calif., a corporation of California.

PENN



FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT.
Claims use since June 1, 1901.

Reg. No. 145,636. Registered Aug. 16, 1921. THE COLORADO MILLING & ELEVATOR CO., Denver and Eaton, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

Topaz



FOR WHEAT FLOUR.
Claims use since Jan. 1, 1921.

Reg. No. 146,203. Registered Sept. 6, 1921. THE COLORADO MILLING & ELEVATOR CO., Denver Colo., and Weiser, Idaho, a corporation of Colorado. Republished by registrant, present address Denver, Colo.



FOR WHEAT-FLOUR.
Claims use since Feb. 2, 1921.

Reg. No. 151,715. Registered Feb. 14, 1922. THE COLORADO MILLING & ELEVATOR CO., Denver and Eaton, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

RESOLUTE



FOR WHEAT FLOUR.
Claims use since Mar. 8, 1921.

Reg. No. 165,112. Registered Mar. 6, 1923. TOLERTON & WARFIELD CO., Sioux City, Iowa, a corporation of IOWA. Republished by registrant.



FOR DRIED SLICED BEEF, BREAKFAST WHEAT, CORN MEAL, ROLLED OATS, POP CORN, TAPIOCA, TEA, RAISINS, AND DRIED CURRANTS, PEANUT BUTTER, RASPBERRY, STRAWBERRY, CHERRY, FIG, LOGANBERRY, BLACKBERRY, PLUM, GOOSEBERRY, PEACH, PINEAPPLE, QUINCE, AND APRICOT PRESERVES; PINEAPPLE, GRAPE, QUINCE, STRAWBERRY, RASPBERRY, AND CURRANT JELLIES; GRAPE AND ORANGE MARMALADES, COFFEE, CORNSTARCH, TABLE SIRUP, AND SUGAR.
Claims use since Jan. 1, 1903.

Reg. No. 167,140. Registered Apr. 24, 1923. HOLLAND O'NEAL MILLING CO., Mount Vernon, Mo. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.
Claims use since July 1904.

Reg. No. 167,267. Registered Apr. 24, 1923. THE COLORADO MILLING & ELEVATOR CO., Denver and Monte Vista, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

PRONTO

FOR WHEAT FLOUR.
Claims use since Mar. 3, 1921.

Reg. No. 170,844. Registered July 24, 1923. THE COLORADO MILLING & ELEVATOR CO., Denver and Fort Collins, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.



FOR WHEAT FLOUR.
Claims use since Feb. 17, 1916.

Reg. No. 181,704. Registered Mar. 25, 1924. THE COLORADO MILLING & ELEVATOR CO., Denver and Loveland, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

SILVER DOLLAR

FOR WHEAT FLOUR.
Claims use since August 1892.

Reg. No. 182,151. Registered Apr. 1, 1924. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

MOUNTAIN ROSE

FOR WHEAT FLOUR.
Claims use since 1888.

Reg. No. 187,185. Registered July 29, 1924. THE COLORADO MILLING & ELEVATOR CO., Denver and La Junta, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

BLUE GOOSE

FOR WHEAT FLOUR.
Claims use since Mar. 1, 1924.

Reg. No. 192,797. Registered Dec. 9, 1924. THE COLORADO MILLING & ELEVATOR CO., Denver and Greeley, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.



FOR WHEAT FLOUR.
Claims use since June 17, 1924.

Reg. No. 202,936. Registered Sept. 8, 1925. THE COLORADO MILLING & ELEVATOR CO., Denver and Pueblo, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

BELLEROSE

FOR WHEAT FLOUR.
Claims use since Aug. 5, 1924.

Reg. No. 203,967. Registered Sept. 29, 1925. THE POCATELLO FLOUR MILLS COMPANY, Pocatello, Idaho. Republished by The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado.



FOR WHEAT FLOUR.
Claims use since Oct. 25, 1922.

Reg. No. 205,256. Registered Nov. 3, 1925. WALTER BLAIR RODDENBERY, Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

CROSS ROADS

FOR FOOD SYRUPS.
Claims use since Nov. 6, 1924.

Reg. No. 205,915. Registered Nov. 17, 1925. CARL R. OSBORN, Colorado Springs, Colo. Republished by Patsy's Candies, Inc., Colorado Springs, Colo., a corporation of Colorado.



FOR CANDIED POP CORN.
Claims use since Apr. 1, 1923.

Reg. No. 205,952. Registered Nov. 17, 1925. CENTRAL LEMON ASSOCIATION, Villa Park, Calif., a corporation of California. Republished by registrant, present address Orange, Calif.

GOLD
WEIGHT

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1912.

Reg. No. 205,956. Registered Nov. 17, 1925. COVINA CITRUS ASSOCIATION, Covina, Calif., a corporation of California. Republished by registrant.

COUGAR

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since 1915.

Reg. No. 207,833. Registered Dec. 29, 1925. CENTRAL LEMON ASSOCIATION, Villa Park, Calif., a corporation of California. Republished by registrant, present address Orange, Calif.

COMET

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1912.

Reg. No. 209,021. Registered Feb. 16, 1926. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

Snow Man

FOR WHEAT FLOUR.
Claims use since July 1925.

Reg. No. 208,191. Registered Feb. 16, 1926. MOUNTAIN VIEW FRUIT ASSOCIATION, Ontario, Calif., a corporation of California. Republished by registrant, present address Upland, Calif.

BLUE ENSIGN

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND LEMONS.
Claims use since July 1901.

Reg. No. 210,679. Registered Mar. 23, 1926. CENTRAL LEMON ASSOCIATION, Villa Park, Calif., a corporation of California. Republished by registrant, present address Orange, Calif.

Radiant

FOR FRESH CITRUS FRUIT—NAMELY, LEMONS.
Claims use since 1915.

Reg. No. 217,117. Registered Aug. 24, 1926. DAVIS MANUFACTURING COMPANY, Knoxville, Tenn. Republished by Davis Manufacturing Co., Inc., Knoxville, Tenn., a corporation of Tennessee.

TRYME

FOR FOOD FLAVORING EXTRACTS.
Claims use since February 1915.

Reg. No. 218,920. Registered Oct. 5, 1926. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

KOA

FOR WHEAT FLOUR.
Claims use since December 1925.

Reg. No. 219,296. Registered Oct. 12, 1926. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

BANNOCK CHIEF

FOR WHEAT FLOUR.
Claims use since Jan. 25, 1926.

Reg. No. 219,469. Registered Oct. 19, 1926. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

NONPAREIL

FOR WHEAT FLOUR.
Claims use since 1873.

Reg. No. 219,556. Registered Oct. 19, 1926. NORRIS INCORPORATED, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

Croutons

FOR CANDY.
Claims use since Mar. 15, 1926.

Reg. No. 222,213. Registered Dec. 28, 1926. VALENTIN BLATZ BREWING COMPANY, Milwaukee, Wis. Republished by Blatz Brewing Company, Milwaukee, Wis., a corporation of Wisconsin.

Blatz

FOR DRIED GRAINS AS A CATTLE FOOD.
Claims use since Sept. 18, 1922.

Reg. No. 222,256. Registered Dec. 28, 1926. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

STAND-BY

FOR WHEAT FLOUR.
Claims use since July 24, 1926.

Reg. No. 226,109. Registered Mar. 29, 1927. RIO GRANDE VALLEY CITRUS GROWERS ASSOCIATION, Mercedes, Tex. Republished by Mercedes Citrus Growers, Mercedes, Tex., a corporation of Texas.

DISCOVERY

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT.
Claims use since Nov. 30, 1925.

Reg. No. 226,110. Registered Mar. 29, 1927. RIO GRANDE VALLEY CITRUS GROWERS ASSOCIATION, Mercedes, Tex. Republished by Mercedes Citrus Growers, Mercedes, Tex., a corporation of Texas.

TEXAS BEAUTY

The geographical term "Texas" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT.
Claims use since Nov. 30, 1925.

Reg. No. 226,805. Registered Apr. 19, 1927. BALL & TWEEDY, Downey, Calif. Republished by Ball & Tweedy Association, Downey, Calif., a partnership.

TANAGER

FOR FRESH ORANGES.
Claims use since Sept. 4, 1926.

Reg. No. 226,976. Registered Apr. 26, 1927. THE UMATILLA FRUIT COMPANY, Umatilla, Fla., a corporation of Florida. Republished by registrant.

RED WARRIOR

FOR FRESH CITRUS FRUITS.
Claims use since October 1909.

Reg. No. 229,624. Registered July 5, 1927. LA VERNE ORANGE ASSOCIATION, La Verne, Calif., a corporation of California. Republished by registrant.

Wistaria

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since 1910.

Reg. No. 229,736. Registered July 5, 1927. GENEVA-LOVEJOY MFG. CO., Knoxville, Tenn. Republished by Davis Manufacturing Co., Inc., Knoxville, Tenn., a corporation of Tennessee.



The ruling on the drawing indicates the color blue.
FOR FOOD FLAVORING.
Claims use since Oct. 31, 1899.

Reg. No. 229,737. Registered July 5, 1927. LA VERNE ORANGE ASSOCIATION, La Verne, Calif., a corporation of California. Republished by registrant.

FUCHSIA

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND LEMONS.
Claims use since 1910.

Reg. No. 232,004. Registered Aug. 30, 1927. WEST ONTARIO CITRUS ASSOCIATION, Ontario, Calif. Republished by West Ontario Citrus Association (1937), Ontario, Calif., a corporation of California.

BIG CHIEF

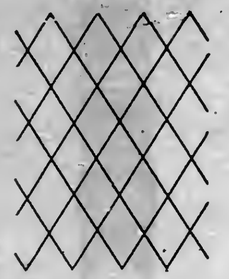
FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since Jan. 25, 1915.

Reg. No. 232,260. Registered Sept. 5, 1927. THE COLORADO MILLING & ELEVATOR CO., Denver and Eaton, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

Pacemaker

FOR WHEAT FLOUR.
Claims use since June 1911.

Reg. No. 232,388. Registered Sept. 6, 1927. GORDON-PAGEL COMPANY, Detroit, Mich., assignor to Gordon Baking Company. Republished by Gordon Baking Company, Detroit, Mich., a corporation of Michigan.



FOR BREAD.
Claims use since Dec. 30, 1924.

Reg. No. 232,421. Registered Sept. 6, 1927. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Claflin, Kans., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

PRAIRIE HOME

FOR WHEAT FLOUR.
Claims use since Mar. 28, 1927.

Reg. No. 233,399. Registered Sept. 27, 1927. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

CAMPFIRE

FOR WHEAT FLOUR.
Claims use since Apr. 1, 1927.

Reg. No. 234,348. Registered Oct. 25, 1927. LA VERNE ORANGE ASSOCIATION, La Verne, Calif., a corporation of California. Republished by registrant.

Paul Neyron

The notation "Paul Neyron" is the name of a well known pink rose.
FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT.
Claims use since 1910.

Reg. No. 237,454. Registered Jan. 10, 1928. CITRUS FRUIT ASSOCIATION OF ONTARIO, Ontario, Calif. Republished by Citrus Fruit Growers, Ontario, Calif., a partnership.

Pluma

FOR FRESH CITRUS FRUIT—NAMELY, ORANGES.
Claims use since Aug. 1, 1927.

Reg. No. 240,223. Registered Mar. 20, 1928. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Claflin, Kans., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

WHITE GOOSE

FOR WHEAT FLOUR.
Claims use since Apr. 3, 1905.

Reg. No. 241,852. Registered May 8, 1928. THE COLORADO MILLING & ELEVATOR CO., Monte Vista, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

CRESTONE

FOR WHEAT FLOUR.
Claims use since Nov. 1, 1906.

Reg. No. 246,931. Registered Sept. 18, 1928. THE KANSAS MILL & ELEVATOR COMPANY, Arkansas City, Kans. Republished by Dixie-Portland Flour Co., Memphis, Tenn., a corporation of Tennessee.

Maytime

FOR WHEAT FLOUR.
Claims use since January 1928.

Reg. No. 247,115. Registered Sept. 18, 1928. PATSY'S CANDIES, INC., Colorado Springs, Colo., a corporation of Colorado. Republished by registrant.

Patsy's ORIGINAL

FOR CANDY, CANDIED POP CORN, BUTTERED POP CORN, SALTED PEANUTS, AND SALT-WATER TAFFY.
Claims use since Oct. 1, 1924.

Reg. No. 249,130. Registered Nov. 6, 1928. CITRUS FRUIT ASSOCIATION OF ONTARIO, Ontario, Calif. Republished by Citrus Fruit Growers, Ontario, Calif., a partnership.

LINNET

FOR FRESH CITRUS FRUIT—NAMELY, ORANGES.
Claims use since 1896.

Reg. No. 249,310. Registered Nov. 13, 1928. THE PFAFFMAN EGG NOODLE COMPANY, Cleveland, Ohio. Republished by The Pfaffman Company, Cleveland, Ohio, a corporation of Ohio.

Pfaffman's

FOR ALIMENTARY PASTE PRODUCTS, ESPECIALLY NOODLES, SPAGHETTI, VERMICELLI, AND MACARONI, PREPARED IN VARIOUS SHAPES AND FORMS.
Claims use since March 1891.

Reg. No. 249,873. Registered Nov. 20, 1928. RAPID CITY PACKING COMPANY, Rapid City, S. Dak. Republished by Black Hills Packing Co., Rapid City, S. Dak., a corporation of South Dakota.



The word "Brand" is disclaimed apart from the mark as shown.
FOR SMOKED MEATS—NAMELY, HAMS, BACON, PICNICS, AND BACON NUGGETS; COOKED MEATS, SMOKED AND FRESH—NAMELY, BOILED HAMS, WIENERS, FRANKFURTERS, BOLOGNA, MINCED HAM, LIVER SAUSAGE, HEADCHEESE, BLOOD SAUSAGE, SUMMER SAUSAGE, DRIED BEEF, AND LUNCH HAM; FRESH MEATS—NAMELY, BEEF, PORK, MUTTON, AND POULTRY; AND LARD.
Claims use since August 1926.

Reg. No. 251,868. Registered Jan. 15, 1929. CHULA VISTA CITRUS ASSOCIATION, Chula Vista, Calif. Republished by The Chula Vista Citrus Association, Chula Vista, Calif., a corporation of California.

SEABOARD

FOR FRESH CITRUS FRUIT—NAMELY, LEMONS.
Claims use since Aug. 1, 1928.

Reg. No. 252,942. Registered Feb. 19, 1929. WING HING COMPANY, Honolulu, Territory of Hawaii, assignor to Wing Coffee Company. Republished by Wing Coffee Co., Ltd., Honolulu, Territory of Hawaii, a corporation organized under the laws of the Territory of Hawaii.

WING

FOR COFEE, TEA, AND FRUIT PRESERVED IN SUGAR, AND PICKLED PINEAPPLE, AND MANGO CHUTNEY.
Claims use since Feb. 1, 1918.

Reg. No. 253,860. Registered Mar. 5, 1929. COMMANDER MILLING COMPANY, Minneapolis, Minn. Republished by Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware.



COMMODORE

FOR WHEAT FLOUR.
Claims use since about Jan. 1, 1928.

Reg. No. 256,553. Registered May 21, 1929. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

CORENCO

FOR LARD, OLEO OILS, POULTRY AND STOCK FEEDS, GELATINE, STEARINE MADE FROM EDIBLE FATS AND USED AS AN INGREDIENT OF SHORTENING; MEAT PRODUCTS FOR FOOD PURPOSES—NAMELY, COOKED MEAT, WHOLE OR GROUND, TO BE USED FOR POULTRY AND STOCK FOOD; AND BONE PRODUCTS FOR FOOD PURPOSES—NAMELY, COOKED BONE, WHOLE OR GROUND, TO BE USED FOR POULTRY AND STOCK FOOD.
Claims use since about July 1920.

Reg. No. 257,465. Registered June 11, 1929. POMONA FIRST GROWERS EXCHANGE, Pomona, Calif., a corporation of California. Republished by registrant.

APACHE

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since Jan. 1, 1912.

Reg. No. 262,608. Registered Oct. 15, 1929. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Hays, Kans., a corporation of Colorado. Republished by registrant, present address Denver, Colo.



The word "Qualified" is disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since Apr. 10, 1929.

Reg. No. 264,605. Registered Nov. 26, 1929. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Burley, Idaho, a corporation of Colorado. Republished by registrant, present address Denver, Colo.



FOR WHEAT FLOUR.
Claims use since Feb. 1, 1929.

Reg. No. 269,464. Registered Apr. 8, 1930. THE PFAFFMAN EGG NOODLE COMPANY, Cleveland, Ohio. Republished by The Pfaffman Company, Cleveland, Ohio, a corporation of Ohio.

Vit-O-Veg

FOR ALIMENTARY PASTE PRODUCTS, ESPECIALLY NOODLES, MACARONI, AND SPAGHETTI, IN CONVENTIONAL FORMS AND VARYING DESIGNS AND SHAPES.
Claims use since Nov. 13, 1929.

Reg. No. 278,011. Registered Dec. 2, 1930. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Caldwell, Idaho., a corporation of Colorado. Republished by registrant, present address Denver, Colo.



FOR SELF-RISING FLOUR.
Claims use since Nov. 1, 1909.

Reg. No. 278,521. Registered Dec. 23, 1930. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

HARVEST QUEEN

FOR WHEAT FLOUR.
Claims use since 1873.

Reg. No. 279,234. Registered Jan. 13, 1931. GULF VEGETABLE AND FRUIT COMPANY, INC., Weslaco, Tex., a corporation of Texas. Republished by registrant.

GOLD RIM

FOR FRESH VEGETABLES—NAMELY, TOMATOES, CORN, SPINACH, CARROTS, TURNIPS, BEETS, CABBAGE, PARSLEY, ENDIVE, ESCAROLE, LIMA BEANS, MUSTARD, CAULIFLOWER, AND POTATOES; FRESH FRUITS—NAMELY, GRAPEFRUIT, ORANGES, LEMONS.
Claims use since Nov. 1, 1928.

Reg. No. 279,906. Registered Feb. 3, 1931. NORRIS INCORPORATED, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

Buccaneer

FOR CANDY.
Claims use since Sept. 20, 1930.

Reg. No. 282,029. Registered Apr. 7, 1931. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Wilson, Kans., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

JUNE GOLD

FOR WHEAT FLOUR.
Claims use since July 1930.

Reg. No. 291,785. Registered Feb. 23, 1932. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.



FOR SELF-RISING FLOUR.
Claims use since April 1931.

Reg. No. 294,046. Registered May 17, 1932. GREENSPAN BROTHERS COMPANY, Perth Amboy, N. J. Republished by Flagstaff Foods, Perth Amboy, N. J., a corporation of New Jersey.

FLAGSTAFF

FOR CANNED VEGETABLES, CANNED FRUIT, CANNED FISH, CANNED SALMON, FRUIT PRESERVES, COFFEE, AND TEA.
Claims use since Dec. 11, 1931.

Reg. No. 298,095. Registered Oct. 11, 1932. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Twin Falls, Idaho, a corporation of Colorado. Republished by registrant, present address, Denver, Colo.

IDA-DOWN

FOR CAKE FLOUR.
Claims use since Sept. 1, 1931.

Reg. No. 302,675. Registered Apr. 25, 1933. REDLANDS FOOTHILL GROVES, Redlands, Calif., a corporation of California. Republished by registrant.

SUNNY COVE

FOR FRESH CITRUS FRUITS.
Claims use since Oct. 16, 1931.

Reg. No. 313,091. Registered May 15, 1934. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Dodge City, Kans., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

Rose Mist



FOR WHEAT FLOUR.
Claims use since Aug. 8, 1933.

Reg. No. 313,092. Registered May 15, 1934. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Dodge City, Kans., a corporation of Colorado. Republished by registrant, present address Denver, Colo.



FOR WHEAT FLOUR.
Claims use since Dec. 9, 1932.

Reg. No. 314,869. Registered July 10, 1934. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.

FOODLAND

FOR CANNED CORN AND CANNED PEACHES.
Claims use since January 1934.

Reg. No. 319,013. Registered Nov. 13, 1934. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.

FOODLAND

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since January 1934.

Reg. No. 320,448. Registered Jan. 1, 1935. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Claflin, Kans., a corporation of Colorado. Republished by registrant, present address Denver, Colo .

White Bun

FOR WHEAT FLOUR.
Claims use since Jan. 1, 1934.

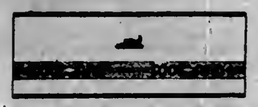
Reg. No. 324,749. Registered May 28, 1935. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Salt Lake City, Utah, a corporation of Colorado. Republished by registrant, present address Denver, Colo.



LAKEMERE

FOR WHEAT FLOUR.
Claims use since July 1912.

Reg. No. 326,478. Registered July 23, 1935. FOODLAND, INC., Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.



The drawing is lined for gold and yellow.
FOR CANNED SALMON, CANNED FRUITS AND VEGETABLES, MUSTARD, CHILI POWDER, AND SPICES.
Claims use since January 1934.

Reg. No. 326,832. Registered Aug. 6, 1935. FOODLAND, INC., Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.

FOODLAND

FOR WHEAT FLOUR, COFFEE, EVAPORATED MILK, TOMATO CATSUP, SPICES, CANNED FRUITS AND VEGETABLES, AND CANNED SALMON.
Claims use since January 1934.

Reg. No. 328,980. Registered Oct. 15, 1935. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., a corporation of Colorado. Republished by registrant.

PRIZE WINNER

FOR WHEAT FLOUR—PLAIN AND SELF-RISING.
Claims use since 1878.

Reg. No. 338,780. Registered Sept. 15, 1936. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Wilson, Kans., a corporation of Colorado. Republished by registrant, present address Denver, Colo.



The words "From Pioneer to Perfection" are disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since Apr. 1, 1936.

Reg. No. 342,331. Registered Jan. 12, 1937. EASTERN SHORE CANNING CO., INC., Machipongo, Va., a corporation of Virginia. Republished by registrant.

ESCCO

FOR CANNED VEGETABLES AND FROZEN VEGETABLES IN CANS.
Claims use since August 1930.

Reg. No. 365,613. Registered Mar. 14, 1939. SUPERIOR BRANDS INC., New York, N. Y. Republished by Superior Brands, Inc., New York, N. Y., a corporation of Delaware.



FOR PROCESSED FLOURS OF WHEAT, SOY, AND A COMBINATION OF WHEAT AND SOY FOR BREADS, CAKES, AND SWEETDOUGHS.
Claims use since Apr. 28, 1938.

Reg. No. 366,685. Registered Apr. 25, 1939. AMERICAN CHICLE COMPANY, Long Island City, N. Y., a corporation of New Jersey. Republished by registrant.

SEN-SEN



The lining on the drawing is for the purpose of shading only.
FOR CACHOUS.
Claims use since Apr. 7, 1938.

Reg. No. 369,724. Registered Aug. 1, 1939. THE COLORADO MILLING & ELEVATOR CO., Denver and Berthoud, Colo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

AGUILA DE GUERRA

FOR WHEAT FLOUR.
Clamis use since Aug. 30, 1935.

Reg. No. 372,331. Registered Oct. 31, 1939. NASH-FINCH COMPANY, Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

GOLDEN VALLEY

FOR CANNED FRUITS, CANNED VEGETABLES, CATSUP, FRUIT JUICE FOR FOOD PURPOSES, CANNED SALMON, PEANUT BUTTER, MUSTARD, VINEGAR, AND PICKLES.
Claims use since on or about Jan. 22, 1914.

Reg. No. 379,980. Registered Aug. 6, 1940. DIXIE MILLS COMPANY, East St. Louis, Ill., a corporation of Illinois. Republished by registrant.

DIXIE DOG FOOD



The words "Dog Food" are disclaimed apart from the mark as shown.
FOR DOG FOOD.
Claims use since September 1932.

Reg. No. 381,452. Registered Sept. 24, 1940. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Weiser, Idaho, a corporation of Colorado. Republished by registrant, present address Denver, Colo.

MYRTLE



The drawing is lined to indicate the color red and green of the respective areas thereby indicated.
FOR WHEAT FLOUR.
Claims use since Apr. 22, 1919.

Reg. No. 387,301. Registered May 13, 1941. DIXIE MILLS COMPANY, East St. Louis, Ill., a corporation of Illinois. Republished by registrant.



The drawing is lined for red and blue.
FOR LIVESTOCK AND DAIRY FEEDS AND INGREDIENTS ENTERING INTO THE COMPOSITION OF THE SAME—NAMELY, HEIFER GROWING FEED, CALF MEAL, MILKING GOAT FEED, DRY AND FRESHENING FEED, WHEAT BRAN, STEER FEED, LAMB AND SHEEP FEED, RABBIT FEED AND WHEAT MIDDLINGS.
Claims use since about Feb. 1, 1940.

Reg. No. 387,850. Registered June 3, 1941. FOODLAND, Inc., Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.



FOR CANNED MEAT PRODUCT CONSISTING OF CHOPPED CURED PORK MEAT WITH SPICES.
Claims use since Nov. 25, 1940.

Reg. No. 394,571. Registered Apr. 14, 1942. THE COLORADO MILLING & ELEVATOR Co., Denver, Colo., and Springfield, Mo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.



The drawing is lined to indicate red color.
FOR WHEAT FLOUR.
Claims use since July 1, 1920.

Reg. No. 399,105. Registered Dec. 15, 1942. GREEN MOUNTAIN PACKING Co., INC., St. Albans, Vt., a corporation of Vermont. Republished by registrant.

GREEN MOUNTAIN

FOR CANNED VEGETABLES AND CANNED FRUITS.
Claims use since August 1894.

Reg. No. 430,783. Registered June 24, 1947. NORRIS INCORPORATED, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

Peachtree

FOR CANDIES.
Claims use since June 16, 1941.

Reg. No. 434,587. Registered Nov. 25, 1947. THE COLORADO MILLING & ELEVATOR Co., Denver, Colo., and Springfield, Mo., a corporation of Colorado. Republished by registrant, present address Denver, Colo.

Southern Lily

The word "Southern" is disclaimed except in combination with "Lily." The drawing is lined to indicate red and blue colors respectively.
FOR WHEAT FLOUR.
Claims use since Feb. 5, 1938.

Reg. No. 435,721. Registered Jan. 6, 1948. E. B. WOOD, trading as Wood Fruit Co., Atwater, Calif. Republished by registrant.

RED CHAIN

FOR FRESH DECIDUOUS FRUITS.
Claims use since September 1929.

Reg. No. 436,869. Registered Mar. 2, 1948. CHICLES "ATLAS," S. A., Guadalajara, Mexico, a corporation of Mexico. Republished by registrant.

ATLAS

FOR CHEWING GUM.
Claims use since April 1943.

Reg. No. 438,152. Registered Apr. 13, 1948. THE SUGARDALE PROVISION COMPANY, Canton, Ohio, a corporation of Ohio. Republished by registrant.

Sugardale

FOR LARD, LUNCHEON MEAT, CHOPPED PRESSED BONELESS HAM, PASTEURIZED PROCESS CHEESE, SWISS CHEESE.
Claims use since about 1935.

CLASS 47

WINES

Reg. No. 440,115. Registered Aug. 10, 1948. BROOKSIDE DISTILLING PRODUCTS CORPORATION, Scranton, Pa., a corporation of Delaware. Republished by registrant.

BROOKSIDE

FOR WINE.
Claims use since Jan. 6, 1934.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 307,419. Registered Oct. 24, 1933. N. V. BEIERSCH-BIERBROUWERIJ "DE AMSTEL," Amsterdam, Netherlands. Republished by Amstel Brouwerij N. V., Amsterdam, Natherlands, a corporation organized under the laws of the Netherlands.



FOR BEER.
Claims use since about January 1901.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 371,240. Registered Sept. 19, 1939. JOHN R. WALD COMPANY, Huntingdon, Pa. Republished by Prismo Safety Corporation, Huntingdon, Pa., a corporation of Pennsylvania.

Life Line

FOR MATERIALS SOLD AS A UNIT, INCLUDING PAINT AND SMALL LIGHT REFRACTING MATERIALS SUCH AS MINUTE GLASS SPHERES FOR USE IN CONNECTION WITH THE FABRICATION OF HIGHWAY MARKERS, OTHER MARKERS, AND THE LIKE.
Claims use since Sept. 7, 1938.

REISSUES

JUNE 14, 1949
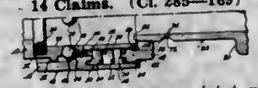
23,120

COUPLING

Clarence E. Earle, Washington, D. C., and Carl A. Covington, Alexandria, Va.

Original No. 2,463,253, dated March 1, 1949, Serial No. 743,986, April 25, 1947. Application for reissue March 25, 1949, Serial No. 83,506

14 Claims. (Cl. 285—169)



1. A coupling comprising a joint member, a detent and a detent actuating sleeve carried by said member, a detent operator interposed between and projecting beyond said member and sleeve prior to assembly of said member with a second member, and a second joint member providing an abutment engageable with said operator when said members are coupled to actuate said detent.

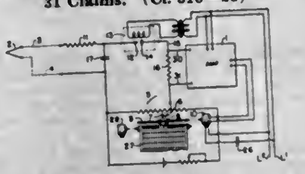
23,121

ANTIHUNTING ELECTRICAL MEASURING AND CONTROL APPARATUS

Thomas R. Harrison, Wyncote, and Walter P. Wills, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Original No. 2,300,742, dated November 3, 1942, Serial No. 240,594, November 15, 1938. Application for reissue January 22, 1949, Serial No. 72,182

31 Claims. (Cl. 318—28)



1. The method of restoring the balance of an electrical network which comprises the steps of producing a potential in variable accordance with an original electromotive force in said network to be measured, opposing said potential to a measuring electromotive force, measuring the difference between said potential and said measuring electromotive force, adjusting said measuring electromotive force by means of the energization of motor means adjusting said measuring electromotive force in accordance with said measurement to reduce said difference, and continuing the energization until the difference between said potential and measuring force is zero.

23,122

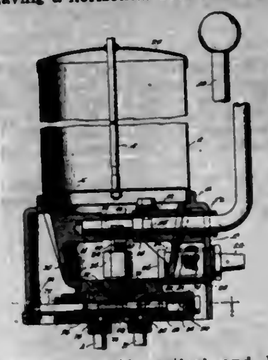
DOUBLE-ACTING PUMP

John T. Leonard, Evanston, Ill.

Original No. 2,440,411, dated April 27, 1948, Serial No. 647,789, filed February 15, 1946. Application for reissue filed November 2, 1948, Serial No. 57,942

11 Claims. (Cl. 184—28)

1. In a pump of the class described, a hollow base casting which includes an upwardly open sump, a block fitted into and forming a portion of the bottom wall of said sump, said block having a vertical bore threaded at its upper end, a pump cylinder having its lower end portion fitted into said bore and having a threaded portion engaging said upper end portion of the bore, said block having a horizontal bore and a transverse



bore connecting said vertical and horizontal bores, said block having also a pair of outlet ports which intersect said horizontal bore, a slide valve member movable in said horizontal bore to connect the outlet bores alternatively with said transverse bore, and a piston reciprocable in said cylinder.

23,123

IDLER SYSTEM FOR PHONOGRAPH TURNTABLE DRIVES

Emmor V. Schneider, Alliance, Ohio, assignor to The Alliance Manufacturing Company, Alliance, Ohio, a corporation of Ohio

Original No. 2,451,304, dated October 12, 1948, Serial No. 770,279, August 23, 1947. Application for reissue November 20, 1948, Serial No. 61,242

4 Claims. (Cl. 74—206)



1. Drive mechanism for a phonograph turntable having a depending annular flange, said drive mechanism comprising a motor mounting plate having an aperture therein, a slightly raised area surrounding said aperture, a motor suspended from the motor mounting plate, a shaft on the motor extending upward through the aperture in the motor mounting plate, a drive pulley upon the upper end of the motor shaft, a hollow rivet located in said aperture, a head on the rivet accurately spaced above said raised area, said shaft being located through said hollow rivet and spaced therefrom, a flat smooth idler plate having a portion accurately sized for a sliding fit between said raised area and the rivet head and slidably pivoted upon the rivet whereby the only contact between the idler plate and the motor mounting plate is at said raised area, an idler pulley journalled upon the idler plate and means for urging the idler pulley into contact with the drive pulley and the turntable flange.

PLANT PATENTS

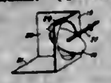
GRANTED JUNE 14, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

847
FLOWERING QUINCE PLANT
Walter Bosworth Clarke, San Jose, Calif., assignor to W. B. Clarke & Co., a partnership composed of Walter B. Clarke, James F. Clarke, and Walter C. Borchers, all of San Jose, Calif.
Application July 3, 1947, Serial No. 758,772
1 Claim. (Cl. 47—69)

A new and distinct variety of plant of the species *Chaenomeles lagenaria*, Koidzumi, substantially as described, being characterized by the changing and distinctive colors of its blooms, appearing during different stages of development, being pure white at first, then tinged with pink tips and finally turning to a soft rose; the habit of its first blooms being single-petaled and the later ones double-petaled; the shape and coloring of its leaves, and its superior keeping quality as a cut flower.

2,472,782
WAVE MODIFYING REFLECTOR
Walter J. Albersheim, Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 7, 1945, Serial No. 614,938
6 Claims. (Cl. 343—18)



2. A radiant energy reflector comprising three planar reflecting elements mounted normally in mutually perpendicular relationship to each other, one of said elements being rotatable through 360 degrees about an axis inclined with respect to said rotatable element.

2,472,783
HANDLE CONTROL MECHANISM
Gerald N. Barrere, Cincinnati, Ohio
Application November 24, 1944, Serial No. 565,018
7 Claims. (Cl. 192—93)

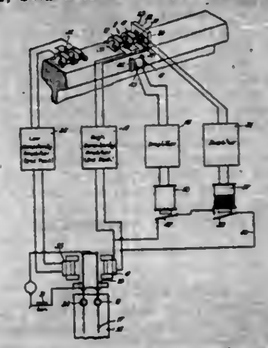


1. In a device of the character described in combination, a housing, a drive shaft rotatable in said housing, a spindle rotatable in said housing, a clutch between said shaft and said spindle, a handle exterior of said housing, and pivoted thereto, a pin adjacent said handle extending through said housing, and means operable by said pin to engage and disengage said clutch, said last-mentioned means including a shoe having an inclined surface, and a second shoe having an opposed inclined surface, the arrangement being such that inward movement of said pin with respect to said housing moves said first-mentioned shoe to engage said clutch.

2,472,784
METHOD AND APPARATUS FOR DETECTING FLAWS
Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Evanston, Ill.
Application September 8, 1943, Serial No. 501,537
23 Claims. (Cl. 175—183)

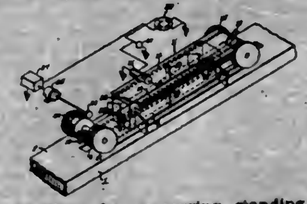
3. Apparatus for detecting flaws in a metallic body which has been energized to produce characteristic magnetic conditions adjacent to the body in the vicinity of flaws, including a detector movable along the body for locating said characteristic conditions, a recorder operated by said detector, said detector comprising at least two units adapted to respond concurrently to the same longitudinal portion of the body, each including a flux-responsive pick-up, one being responsive to certain flux conditions adjacent the body the other being responsive to certain other flux conditions adjacent the body, and means for so interlocking said two units that their combined responsiveness to particular flux conditions caused by irregularities in the body, determine whether or not the recorder is actuated.

11. Apparatus for detecting flaws in a metallic body which has been energized to produce characteristic magnetic conditions adjacent to the body in the vicinity of flaws, including a detector movable along the body for locating said characteristic conditions, a recorder operated by said detector, said detector comprising at least two



units responsive concurrently to the same longitudinal portion of the body each including a flux-responsive pick-up, one of said units being responsive to the magnetic fields caused by fissures and the magnetic fields caused by non-fissure irregularities in the body and another of said units being selectively responsive to the magnetic fields caused by non-fissure irregularities in the body, and means for so interlocking said two units that their combined responsiveness to particular flux conditions caused by irregularities in the body determines whether or not the recorder is actuated.

2,472,785
STANDING WAVE DETECTOR AND INDICATOR SYSTEM
Daniel Blitz, Newtonville, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Application September 14, 1946, Serial No. 697,131
11 Claims. (Cl. 171—95)



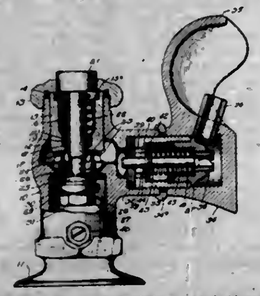
1. A system for measuring standing wave characteristics in a waveguide transmission line

comprising, in combination, a coupling waveguide disposed adjacent to and adapted to be coupled over a distance of at least one half wavelength to said line, a wave measuring device coupled into said coupling waveguide, and a movable wave coupling device interposed between said waveguide section and said waveguide transmission line and movable with respect to both said section and said line for providing selective wave coupling to said measuring device at progressive points along said transmission line.

2,472,786
METHOD OF PICKLING METAL CONTACT SURFACES
Edwin R. Bowerman, Jr., Emporium, Pa., assignor to Sylvania Electric Products Inc., Emporium, Pa., a corporation of Massachusetts
No Drawing. Application August 21, 1943, Serial No. 499,556
3 Claims. (Cl. 134—3)

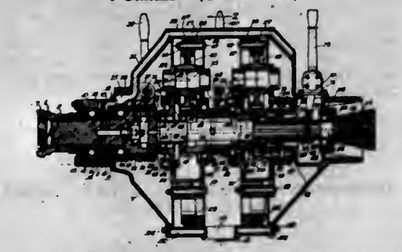
1. The method of removing a porous oxide coating from the surface of a ferrous base alloy which comprises lightly etching said alloy by treating its surface with a mild etching agent containing a wetting agent to effect an activation of the alloy surface and then immersing the alloy in a bath containing approximately 25 gms. of copper nitrate and approximately 200 c. c.'s of nitric acid per liter thereby first causing a replacement action in which iron on the surface of the alloy is replaced by copper and dissolved in the bath prior to the removal of the alloy from the bath.

2,472,787
FLOW REGULATOR
Frank L. Brown, Park Ridge, and Harry S. Steen, Chicago, Ill., assignors to Chicago Faucet Company, a corporation of Illinois
Application August 24, 1945, Serial No. 612,320
2 Claims. (Cl. 137—152)



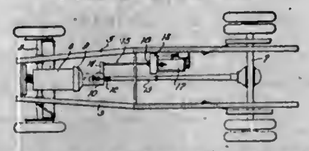
1. A device for minimizing variations in the flow of liquid in a conduit subject to variations in supply pressure, comprising a control unit adapted to be inserted in said conduit to control the flow therethrough and having a passageway therethrough including a cylindrical portion, a first wall adapted to extend completely across said conduit in the end toward the inlet of the conduit, said wall having a central guiding orifice and a plurality of flow orifices therethrough; a removable second wall opposite said first wall and having a single central control orifice, said orifice having a conical portion tapering away from said first wall and opening into a cylindrical portion; a pin of greater length than the distance between said walls and extending into and movable in said guiding and control orifices, said pin having a close but removable fit in said guiding orifice and having a loose fit in the cylindrical portion of said control orifice; a disk fixed on said pin and so related to said flow orifices as to be subject to and moved by the kinetic energy of liquid flowing therethrough at all times during flow, there being substantial clearance between said disk periphery and the wall of the cylindrical portion of the passageway; and a spring urging said pin and disk toward said first wall.

2,472,788
STEP-UP GEARING
Robert E. Burrus, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application May 25, 1945, Serial No. 595,781
6 Claims. (Cl. 74—750)



1. In step-up gearing, a power input shaft, a power output shaft, a pair of axially spaced sun gears rotatably mounted about said output shaft and having axially spaced internal clutch teeth radially encircling said output shaft, a first planetary gear mechanism for one of said sun gears, a second planetary gear mechanism for the other of said sun gears, clutch means for directly coupling said shafts together or for coupling said input shaft to said first planetary mechanism, secondary clutch means on said output shaft for optionally coupling either of said sun gears thereto, and means operable to clutch the sun gear associated with said first planetary mechanism to said second planetary mechanism.

2,472,789
VEHICLE CLUTCH CONTROL MECHANISM
Robert E. Burrus, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application July 16, 1945, Serial No. 605,236
8 Claims. (Cl. 192—.07)

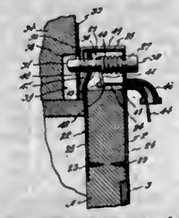


1. In a vehicle, a main engine, having an accelerator, an auxiliary engine, a transmission coupled to said main engine, a lay shaft connecting said auxiliary engine into said transmission, clutch means between said auxiliary engine and said lay shaft, and means responsive to movement of said accelerator to an idling position of said main engine for disconnecting said clutch means.

2,472,790
METHOD OF PREPARING STARCH PASTE
James P. Casey, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application April 20, 1946, Serial No. 663,748
11 Claims. (Cl. 195—66)

1. The method of preparing an enzyme-thinned starch paste which comprises providing a slurry of water, starch-liquefying enzyme, and a plurality of starches modified in such manner that their enzyme-converting temperatures are lowered around 15° F., said starches being so selected that there is a difference between the enzyme-converting temperatures of every pair thereof, heating the slurry to the enzyme-converting temperature of the starch having the lowest enzyme-converting temperature, maintaining the slurry temperature at this value until the corresponding starch has been thinned by the enzyme, raising the temperature of the slurry to the enzyme-converting temperature of the starch having the next higher enzyme-converting temperature, maintaining the slurry at the elevated temperature until the corresponding starch has been thinned by the enzyme, but below the inactivation temperature of the enzyme, until the starches therein have been progressively thinned by the enzyme.

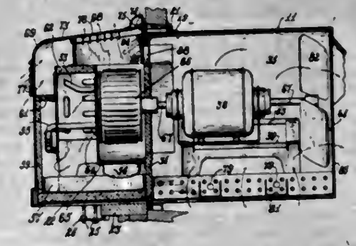
2,472,791
OVERHEAD DOOR LOCK
Henry B. Clark, Elizabeth, N. J.
Application January 14, 1948, Serial No. 2,311
2 Claims. (Cl. 292—171)



1. A lock including a keeper plate fastened to a fixed member, said plate having an opening, a strap having one end fastened to the keeper plate and its other end offset therefrom, a substantially U-shaped plate fastened to a movable member, a sliding bolt supported by said U-shaped plate and adapted to be projected into the opening in the keeper plate for locking the fixed and movable members together and a hooked strap fastened to said U-shaped plate adapted to interlock with the offset end of the strap of the keeper plate for preventing relative movement between the keeper plate and U-shaped plate in a direction parallel to the direction of movement of the bolt.

2,472,792
AIR CONDITIONING UNIT FOR MOUNTING IN WINDOWS
Irving H. Cohler, Chicago, Ill., assignor, by mesne assignments, to Mitchell Manufacturing Company, a corporation of Delaware
Application September 17, 1945, Serial No. 616,844
6 Claims. (Cl. 62—140)

1. In a window mounted unit air conditioner, the combination of, a window mounting structure comprising a top wall, side walls, an end wall and an open bottom extending outwardly through the window opening and having guide rails at its bottom extending inwardly of said window opening, means for fastening the mounting structure to the window and to the window sill, and an air circulating and cooling unit mounted in said mounting structure comprising an open frame-like base and a vertical partition mounted on said base, a condenser mounted on the open frame-like base on one side of the partition, said condenser and partition cooperating with said top, side and end walls of the mounting structure to form a machine compartment, a fan in said machine compartment to cause air to flow into the compartment over the condenser, a floor on said frame-like base on the other side of the partition, an evaporator supported above said floor, and walls arranged around said evaporator and cooperating with the floor and vertical partition to form an evaporator compartment, a shroud covering said walls, said shroud having air-flow openings communicating with the evaporator compartment, and selectively controlled openings in said vertical partition communicating with outside atmosphere to selectively control the intake and exhaust of air into and out of the evaporator compartment.



2,472,793
GAS STOVE VALVE OPERATOR GUARD
Charles Conterno, Brooklyn, N. Y.
Application June 12, 1947, Serial No. 754,295
4 Claims. (Cl. 126—42)



1. In a gas stove guard for shielding pet-cocks, two laterally enclosed telescopically fitted cover members of channel-like cross-section and providing a continuous rear opening, wall portions at the opposite outer ends of the said members, resilient holders extending inwardly from said wall portions and each containing a terminal end for engaging the rear surface of a pet-cock, the said terminal ends being disposed a predetermined distance inwardly of the peripheral edge defining the said opening, and stops within said opening in engagement with the rear surfaces of said holders for holding them against rearward movement, whereby the said terminal ends are maintained at least the said predetermined distance inwardly from said peripheral edge.

2,472,794
REMOVAL OF SURFACE MOISTURE FROM WET ARTICLES
Charles D. Cothran, Pomona, Calif., assignor, by mesne assignments, to M. W. Engleman, trustee, Los Angeles, Calif.
Application September 15, 1944, Serial No. 554,365
28 Claims. (Cl. 99—156)



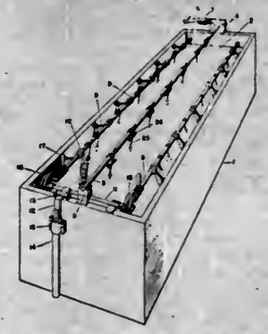
1. In the preparation of fresh fruit and vegetable articles for market by cleansing them with the aid of water applied in relatively large volume in a cleansing zone, and thereafter surface-drying them, the process which comprises moving the wet articles out of the cleansing zone and, while supporting them in such manner as to permit liquid to drain therefrom, applying to them a relatively small volume of a water-miscible surface-conditioning liquid containing a surface active agent in concentration, not substantially exceeding 2%, effective to promote filming-out and accelerated run-off of the adhering water to an extent such that the amount left on said articles is substantially less than the amount which said articles carried immediately prior to such application; the volume of the surface-conditioning liquid thus applied being so controlled that the amount of surface active agent actually employed for a given quantity of said articles is restricted to only a small percentage, not substantially exceeding 3%, of what would have to be employed in order to obtain the same run-off effect, if contained in the large volume of water applied in said cleansing zone.

2,472,795
CONTROL FOR RANGES
Joseph F. Dunn, New York, N. Y.
Application December 22, 1945, Serial No. 636,930
1 Claim. (Cl. 236—15)



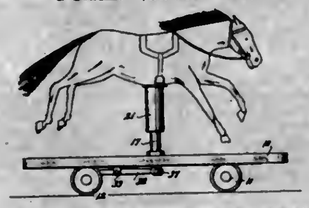
A range control comprising in combination, a time clock having hour and minute hands movable over the usual time dial having indicia, the time clock having tubular concentric shafts for driving the hour and minute hands, a spring driven announcer with a bell mounted to the rear of the time clock and having an operating shaft extending forwardly through the inner tubular shaft and a control knob mounted on the front of the operating shaft in front of the hour and minute hands, the knob serving, when manually rotated, to wind the announcer spring and determine the time to elapse before the bell is sounded, and an oven thermostat having a temperature presetting means including a shaft mounted directly to the rear of the announcer and coaxial with the control knob shaft and an L-shaped operator for the temperature presetting shaft, said L-shaped operator extending forwardly and having its terminus adjacent the periphery of the time dial, and a temperature dial past which the said terminus is movable to indicate the temperature setting.

2,472,796
ANODE ROD FOR PLATING TANKS
William G. Evans, Baltimore, and William C. Schaefer, Parkville, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application September 6, 1944, Serial No. 552,870
4 Claims. (Cl. 204—297)



1. An anode-rack suspension for an elongated electro-plating tank having a work-supporting rod extending along the middle of the tank, comprising a plurality of parallel brackets of equal length spaced longitudinally along one side wall of the tank and each having one end pivoted on a vertical axis to said side wall, a conductive anode-rack-supporting rod extending longitudinally of said tank, and means including an insulator arranged between said anode-rack-supporting rod and the other end of each bracket for pivotally supporting said anode-rack-supporting rod for movement relative thereto about a vertical axis, whereby said anode-rack-supporting rod may be moved relative to the side wall of the tank, toward and away from the work-supporting rod to regulate the plating of the work supported thereby.

2,472,797
TOY HORSE
Louise M. Jones Foulke, Brooklyn, N. Y.
Application May 23, 1947, Serial No. 749,969
1 Claim. (Cl. 280—1.19)



A toy comprising a base, axles rotatably secured to the base, wheels mounted on said axles, one of said axles having a crank deformation therein, a vertical rod slidably mounted in said base and extending through the base, a figure of an animal such as a horse rigidly mounted on the upper end of said rod, a beam pivotally secured to the base and having a longitudinal slot in one end thereof, a pin on the lower end of said rod registering in said slot, a link pivoted at one end to the other end of said beam and having its other end pivotally secured to said crank deformation, a tubular housing of lesser length than said rod secured in said base and surrounding said rod, said housing having an outwardly extending flange on the upper end thereof, a second tubular housing rigid with said figure and of greater diameter than said first housing, said upper end of said first housing registering slidably in said second housing, said upper end of said rod having a head thereon, the lower end of said second housing having an inwardly extending flange thereon slidably engaging said first housing and cooperating with said head to provide a limit stop to the upward movement of said second housing and hence of said figure, a compression spring surrounding said rod between said head thereof and said first-named flange, said second housing having an internal thread thereon, said head having an external thread thereon engaging said internal thread thereby releasably and adjustably locking said rod in said second housing.

2,472,798
LOW-PASS FILTER SYSTEM
Gordon L. Fredendall, Feasterville, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1943, Serial No. 512,115
13 Claims. (Cl. 178—44)

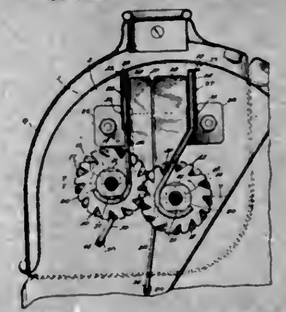


7. An adjustable low band pass network for a source of signal frequency currents including a first modulator, a first adjustable carrier frequency current source, a first band pass filter network, means for applying currents including currents of frequencies to be transmitted and said first carrier currents to said first modulator to derive said first carrier and equal sideband currents, means for applying said equal sideband currents to said first filter to pass said first carrier, a complete one of said sidebands and only the desired low frequency portion of the other of said sidebands, a second adjustable carrier frequency current source, a second modulator, means for applying said second carrier currents and said first carrier and sideband currents derived from said first filter to said second modulator to derive said second carrier and second equal sideband currents, a second band pass filter network, means for applying said second carrier and second equal sideband currents to said second filter to derive two equal sidebands each having widths corresponding to said desired low frequency portion of said other of said first sidebands, means for adjusting the frequencies of said carrier current sources, and means for detecting said last mentioned equal sidebands to derive currents having substantially only frequencies within the desired low pass band.

2,472,799
METHOD FOR THE PRODUCTION OF ALKALI-METAL SALTS OF TRIORGANO-SILANOLS
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application November 25, 1946, Serial No. 712,040
3 Claims. (Cl. 260—448.8)

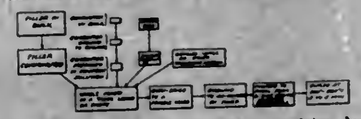
1. The method for the production of organosilicon compositions which comprises dehydrating a reaction mixture of an alkali metal oxide, water, and an organosilicon compound selected from the group consisting of compounds of the type RR'_2SiY and $(RR'_2Si)_2O$ where R represents methyl, Y represents alkoxy and R' is selected from the group consisting of methyl and phenyl radicals, whereby a salt is obtained of the general formula RR'_2SiOM in which R represents methyl, R' is selected from the group consisting of methyl and phenyl radicals and M represents an alkali metal.

2,472,800
KNIFE ASSEMBLY AND STRIPPER FOR MEAT TENDERING MACHINES
Arthur H. Ahrndt, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application November 18, 1944, Serial No. 564,034
30 Claims. (Cl. 17—26)



1. A machine for operating on a substance and comprising a knife roll assembly member and a stripper member, said members being disconnected from and supported independently of each other and adapted to be removed as a unit from said machine, there being means carried by one of said members adapted to be brought into engagement with the other member when one member is being removed to support the other member to permit such removal as a unit.

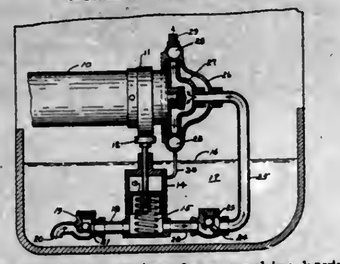
2,472,801
TEMPERATURE-STABLE MOLDED RESISTOR
Morris L. Barfield, Washington, D. C., and John J. Gurtowski, Wallington, N. J., assignors to the United States of America as represented by the Secretary of War
Application May 6, 1947, Serial No. 746,284
3 Claims. (Cl. 201—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of producing a resistor body comprising comminuting an unpolymerized thermoplastic base, comminuting a filler material of low cohesive quality and high electrical resistance, reducing a conductive material to a colloid, mixing all the ingredients in a transient liquid medium, to produce a viscid mass, baking the mass at low temperature to produce a completely dry relatively weak friable mass, comminuting said mass to at least the fineness of the original said

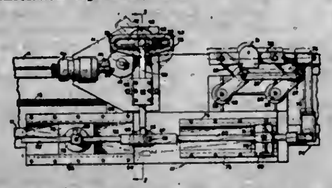
comminution of binder and filler, pressing the last comminuted material in a mold with high pressure, and curing the same at a high temperature.

2,472,802
LUBRICATION SYSTEM
Oliver D. H. Bentley, Dover, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 4, 1947, Serial No. 752,322
6 Claims. (Cl. 184—6)



1. A lubrication system for a machine having an oil sump and a rotary shaft, comprising a centrifugal pump having a rotor attached to the shaft for rotation therewith, a reciprocating pump having a piston, means operated by said shaft for moving said piston on its pressure strokes, a spring for returning said piston on its suction strokes, means for supplying oil from said sump into said reciprocating pump and from same into said centrifugal pump, and means using oil from said centrifugal pump for rendering said means operated by the shaft ineffective to move said piston when said shaft rotates at high speeds.

2,472,803
WELDING APPARATUS
Frederick C. Beyer, Washington, D. C., and Clarence E. Jackson, Niagara Falls, N. Y.
Application April 17, 1946, Serial No. 662,768
3 Claims. (Cl. 219—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)
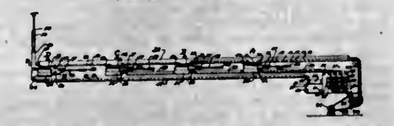


1. A welding apparatus including a bed, a carriage supported on and movable along said bed in a substantially straight line, means for advancing said carriage along said bed, a welding head mounted on said carriage and constrained to move thereon in a horizontal plane, means connected to said welding head for causing said welding head to reciprocate across the line of advance of said carriage, and means associated with said welding head reciprocating means imparting thereto a component of motion parallel to the direction of movement of said carriage whereby a substantially semi-elliptic movement is imparted to said welding head as it is reciprocated.

2,472,804
COMBINATION MOUNT AND SHOULDER REST
John R. Bird, Framingham, Mass.
Application August 29, 1947, Serial No. 771,291
3 Claims. (Cl. 89—1.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



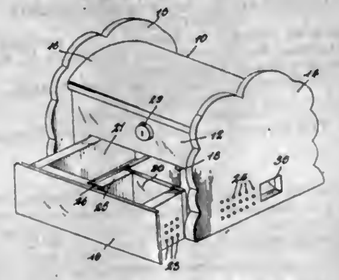
1. A mount for a recoilless rifle or the like having a tube and front and rear mounting trunnions, comprising a clamp mounted in said rear trunnion for swinging movement about a pivot, a bipod, including a pair of substantially parallel-disposed legs carried by said clamp and responsive to the swinging movement of said clamp to move to and from a first position wherein said legs lie in a plane substantially parallel to the axis of said tube to form a shoulder support for said gun and a second position wherein said legs lie in a plane substantially normal to said axis, means on said bipod for guiding each said leg from and toward the other said leg to one of a plurality of selective positions relative to each other to form a support for the rifle, including means for locking said legs in a said selected position, a front member including a dependent extendible handle rigidly carried by said front trunnion, means telescopically carried within said handle for selectively adjusting the length of said front member, and locking means for maintaining said telescopic means in a selected position, said legs being curved intermediate the ends thereof to form a shoulder rest when said legs are in said first position.

2,472,805
MULTIPLE BELT CONVEYER SYSTEM
Frank J. Blume, Chicago, Ill.
Application August 18, 1945, Serial No. 611,359
1 Claim. (Cl. 198—185)



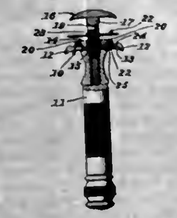
A conveyor system comprising a sending station and a plurality of receiving stations, a long horizontal trough extending from the sending station past each receiving station and terminating at the most remote one, the bottom of the trough having large openings at the receiving stations, as many belts as there are stations extending from the sending station through said trough while lying flat upon each other, the belt which is at the bottom of the trough at any given receiving station passing down through the corresponding opening and returning to the sending station; a second horizontal trough for the returning portions of all belts, except the two outer belts, reaching from the sending station past all of the receiving stations except the one that is most remote from the sending station, said second trough being interrupted at the stations which it passes, and including in the gap in the second trough at each such station a receptacle to receive articles intended for that station; each such receptacle having at the bottom a tunnel through which the rearwardly movable belts in the second trough pass; and a third horizontal trough containing the portions of the two outer belts returning from the most remote station to the sending station.

2,472,806
AUTOMATIC ELECTRIC ANIMAL TRAP
Alfred G. Burns, Farmland, Ind.
Application April 17, 1945, Serial No. 588,770
6 Claims. (Cl. 43—99)



1. An automatic everset electrical animal trap comprising a cabinet having an entrance opening, a ramp within the cabinet in advance of the opening, a tiltable platform at the upper end of the ramp, a body-receiving compartment in said cabinet in advance of said platform, a swinging strike lever above the platform, an electrical contact on said platform, an electrical contact normally spaced from said first named contact, but engageable upon downward swinging movement of the platform, an electrical circuit connected between said contacts, said circuit including means for forcibly swinging said strike lever, and a strike plate mounted in the cabinet in the path of forward swinging movement of said strike lever.

2,472,807
SAFETY RAZOR
John W. Clark, Washington, D. C., assignor of one-third to Ethel Hudson Clark, Washington, D. C.
Application March 16, 1944, Serial No. 526,732
9 Claims. (Cl. 30—70)



1. A safety razor comprising a member having a longitudinally and centrally disposed flat blade-engaging area; a second member having a complementary flat blade-engaging area to clamp the central portion of a blade against the first-named area in flat undistorted position; a longitudinally disposed centrally placed rib on one of said members and a complementary recess on the other of said members, said rib having straight side wall portions and straight end wall portions, said end wall portions being only slightly coned to engage the ends of the slot in the blade slightly in advance of the engagement of the side wall portions with the slotted blade, and curved blade-engaging edges on said members adjacent the flat areas to engage and flex the outer edge portion of a blade.

2,472,808
THERMOCOUPLE JUNCTION WITH RADIATION SHIELD
Andrew I. Dahl, Arlington, Va.
Application July 1, 1946, Serial No. 680,783
5 Claims. (Cl. 136—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A shielded thermocouple for use in gas streams comprising a thermocouple junction of base metals shaped substantially into a thin disc, leads to the junction, a covering of a noble metal having low thermal emissivity closely surrounding and in good thermal contact with the junction and extending beyond said junction along the leads, and a layer of insulating material interposed between the leads and the noble metal covering whereby the thermocouple is shielded against thermal radiation.

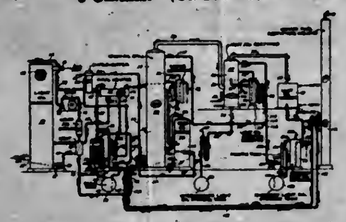
2,472,809
ILLUMINATED RETICLE ATTACHMENT FOR TELESCOPES
John R. Decker, Amherst, Mass.
Application September 6, 1945, Serial No. 614,797
1 Claim. (Cl. 88—2.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In an attachment for a sighting telescope, a first sleeve adapted to form the ocular end of said telescope and to be attached to said telescope as an axial extension thereof, said sleeve having a rearwardly-facing internal annular shoulder between its ends, an objective lens fitting within said sleeve against said shoulder, first and second tube sections fitting said first sleeve and having confronting edges defining a plane at 45° to the common axis of said sleeve and telescope, a partial reflector interposed between and engaged on opposite sides about its periphery by said edges, a collar threaded into the ocular end of said sleeve and operable to engage said first tube section to force both said sections axially whereby said second section holds said lens against said shoulder and said sections act to clamp said partial reflector between them, a second sleeve secured in offset relation to and parallel with, said first sleeve, there being a passageway for light between said sleeve in a transverse plane through said partial reflector and a second plane through the parallel axes of said sleeves normal

to said partial reflector, and means in said second sleeve and including a reflector, lens, reticle and lamp, for projecting an illuminated image of said reticle onto the rearward face of said partial reflector through said passageway.

2,472,810
RECOVERY OF LIGHT OIL FROM ABSORBENT
Fred Denig, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application December 24, 1941, Serial No. 424,278
5 Claims. (Cl. 196—8)



1. A process for the recovery of light-oil vapors from coke-oven gas containing the same by means of an absorbent oil, that is recycled in sequence through a step for absorbing light-oil vapors from said coke-oven gas and a step for stripping so-absorbed light oil from said absorbent oil by direct contact with steam, and that in the course of said recycling accumulates undistillable contaminant which reduces its effectiveness in said absorption step, said process comprising the steps of: prior to introduction into said stripping step, heating absorbent oil effluent from said absorption step to a temperature of at least about 200° C. by indirect contact with vapor of a boiling substance that is at substantially atmospheric pressure and at a temperature of at least about 200° C. and also superheating said steam at low pressure by indirect contact with vapor of said boiling substance, introducing so preheated absorbent oil into said stripping step and withdrawing from near the absorber oil inlet end thereof a minor portion of the bulk thereof into a distillation step for the same, and flowing said superheated steam first into direct contact with said minor portion of hot absorbent oil thereby simultaneously volatilizing without substantial condensation of the steam absorbent-oil constituents from the minor portion, rejecting absorbent-oil residuum from said minor portion distillation, thereafter introducing the steam and volatilized absorbent oil from the minor portion distilling step into said stripping step, and effecting the stripping therein substantially solely with the stripping steam and vapors from the aforesaid minor portion distillation prior to withdrawal of the said minor portion from the stripping step to the minor portion distillation step.

2,472,811
POLYMERS OF ALPHA-FLUOROMETHYL ACRYLIC ACID ESTERS
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 27, 1946, Serial No. 665,620
8 Claims. (Cl. 260—83)

1. A polymer obtained by heating in the presence of a polymerisation catalyst a compound having the general formula:

$$CH_2=C(CXF_2)-COOR_1$$

wherein R_1 represents an alkyl group containing from 1 to 4 carbon atoms, and X represents a member selected from the group consisting of a hydrogen atom and an atom of fluorine.

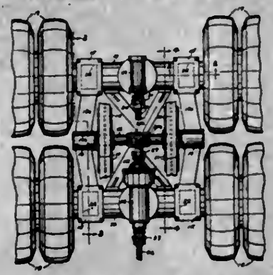
2,472,812
ESTERS OF ALPHA-FLUOROMETHYL ACRYLIC ACIDS
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 27, 1946, Serial No. 665,621
4 Claims. (Cl. 260—486)

1. The compounds having the general formula:

$$CH_2=C(CXF_2)-COOR_1$$

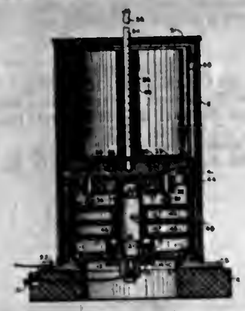
wherein R_1 represents an alkyl group having from 1 to 4 carbon atoms, and X represents a member selected from the group consisting of an atom of hydrogen, and an atom of fluorine.

2,472,813
TANDEM AXLE CONSTRUCTION
Walter F. Double, Wickliffe, Stewart F. Armington, Willoughby, and Raymond Q. Armington, Shaker Heights, Ohio, assignors to The Euclid Road Machinery Co., Cleveland, Ohio, a corporation of Ohio
Application February 6, 1947, Serial No. 726,871
3 Claims. (Cl. 280—104.5)



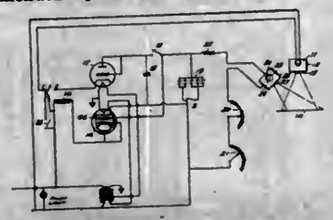
1. Tandem axle construction comprising a vehicle frame, a shaft rigidly supported thereon and therebeneath and extending transversely of said frame, parallel rocker beams on opposite sides of said frame, each beam having an intermediate portion oscillatably mounted on said shaft and having arms diverging upwardly from said shaft in a fore-and-aft direction, parallel front and rear axle units on opposite sides of said shaft, each of said axle units having wheel means at opposite sides of said vehicle, interengaging pairs of connecting parts between each of said axle units and the free ends of said rocker beam arms, a resilient deformable body between each said pair of connecting parts for cushioning relative movement between said axle units and said beams, and a V-shape wishbone bracket for each axle unit, each of said brackets having a universal connection between the apex of said V-shape and said shaft and having the diverging legs of said V-shape secured to the associated axle unit.

2,472,814
TESTING DIELECTRIC MATERIALS
Myron A. Elliott, Washington, D. C.
Application July 13, 1945, Serial No. 604,940
8 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



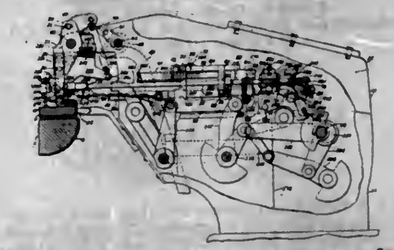
1. In an apparatus for determining the dielectric characteristics of a liquid, a pair of spaced electrodes having flat parallel opposed surfaces, one of said electrodes having a recess formed in a face thereof opposed to the other electrode for receiving a quantity of liquid, the other of said electrodes being of relatively small volume and provided with a current lead comprising a tube of a material having low thermal conductivity with a coating of electrically conductive material, said other electrode being provided with a supporting collar of electrically insulating material having a flat face flush with the electrode face, means for clamping said electrodes together to cause said collar face to bear against the opposed face of said first electrode, means for cooling said liquid while in said recess, means for applying an alternating field to said electrodes, and electrical testing means operatively connected with said electrodes.

2,472,815
AUTOMATIC LIGHT CONTROL
William D. Fleming, Denver, Colo.
Application August 23, 1946, Serial No. 692,420
1 Claim. (Cl. 250—41.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



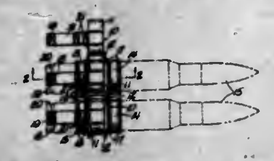
An automatic light control having in combination a light source illuminating an object, a power line for said light source, and a control means for energizing and deenergizing said light source, said control means comprising a photoelectric device responsive to the degree of illumination of said object, a vacuum control tube having at least an anode, a cathode and a grid, a rectifier having a cathode terminal and an anode terminal, a relay in the anode circuit of said control tube, said relay including an armature, a normally-open contact in its pickup circuit and a normally-closed contact in circuit with said light source, means connecting said armature to one side of said power line, means connecting said normally-closed contact to one terminal of said light source, means connecting said other terminal of said light source to the other side of said power line, means connecting said normally-open contact of said relay to said cathode terminal of said rectifier; a first condenser connected between the anode terminal of said rectifier and said other side of the power line; a second condenser connected between said grid and cathode of the control tube, a connection between said other side of the power line and the cathode of the control tube; a push-button switch connected between the grid of the control tube and said anode terminal of said rectifier; and means connecting said photoelectric device across said second condenser; whereby upon application of power-line voltage, said control tube will conduct, causing the relay to operate opening the light circuit and through the action of the rectifier charge said first condenser setting up the circuit for operation, and upon depressing said switch the said second condenser charges, blocking the control tube thereby deenergizing said relay and energizing said light source, illuminating said object, the photoelectric device discharging said second condenser thereby unlocking said control tube after a predetermined time, and deenergizing said light source.

2,472,816
GRIPPER MECHANISM
Joseph Fossa, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 26, 1947, Serial No. 730,978
14 Claims. (Cl. 12—1)



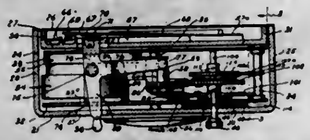
14. A gripper mechanism comprising a first jaw yieldingly movable in a direction to tension the stock and having a toothed operating face for engaging one side of the lasting margin of the stock, a second jaw having a toothed operating face for engaging the opposite side of the lasting margin, means for reciprocating said second jaw including adjustable spring means for moving said second jaw toward said first jaw, and positive means for moving said second jaw away from said first jaw, and cooperating cam means associated with said jaws constructed and arranged, upon movement of the second jaw in a direction toward the first jaw, to effect relative approaching movement of said operating faces for positively gripping the lasting margin and, thereafter, to cause movement of said first jaw by, and together with, said second jaw for tensioning the stock.

2,472,817
CARTRIDGE BELT LINK
Alonzo F. Gaidos, Redwood City, Calif., assignor to the United States of America as represented by the Secretary of War
Application April 4, 1946, Serial No. 659,638
5 Claims. (Cl. 89—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In an ammunition belt of the type made up of a series of like links articulately interconnected by a series of cartridges, a belt link comprising a body, a single cartridge-receiving loop on the body at one side thereof, a pair of cartridge-receiving loops on the body at the other side thereof and spaced apart coaxially on an axis paralleling the axis of the single loop a distance slightly greater than the axial width of said single loop to receive coaxially between them the single loop of an adjacent similar link, and means on the single loop for locating a cartridge received by the single loop and the pair of loops of an adjacent similar link, the means including a finger member projecting in a generally axial direction from the single loop and including a portion formed to engage a cartridge, the member being constructed and arranged to bridge one of the loops of the pair of loops on an adjacent similar link.

2,472,818
TIMING AND CONTROL DEVICE
Alfred W. Gardes, Detroit, Mich.
Application October 18, 1943, Serial No. 506,615
14 Claims. (Cl. 161—1)



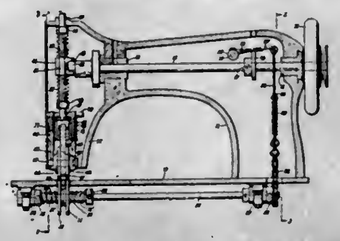
1. A timing and control device adapted for use in conjunction with an electrically operated unit comprising the combination of, a switch for controlling a current supply circuit to said unit, a manually settable switch control member settable to control the operation of said switch, timing means including a clock face having hands associated therewith, a time responsive device coacting with said timing means and with said manually settable switch control member for automatically closing and opening said switch at predetermined times, a finish time-indicating device arranged in non-driven relationship with said timing means, and separate and apart from said clock face and hands, manually operable control means for setting said finish time-indicating device into position to indicate a preselected finish time, a cooking time-indicating device arranged in non-driven relationship with said timing means, said cooking time indicating device being separate and apart from said clock face and hands and from said finish time indicating device, manually operable control means, independent of said timing means, for setting said cooking time-indicating device into position to indicate a preselected cooking time, and means under the control of and coacting with both of the said manually operable control means for said cooking and finish time-indicating devices for setting the said time responsive device for a preselected cooking time and a preselected finish time.

2,472,819
MECHANICAL SKELETON
Josef H. Giesen, United States Navy
Application January 26, 1945, Serial No. 574,670
3 Claims. (Cl. 35—17)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



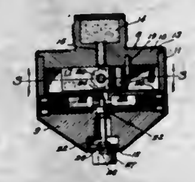
1. A mechanical assembly simulating the bones of one of the extremities of the human body comprising an upper member having a slot, a lower member, a tongue removably secured to said lower member adapted to be engaged in the said slot, releasable means for securing said tongue in said slot adapted to allow relative movement of the said members in a single plane, and means for limiting the movement of the said members.

2,472,820
BONDING MACHINE
Joseph P. Graham and William Roland Church, Midland, Mich., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 7, 1945, Serial No. 576,658
20 Claims. (Cl. 154—42)



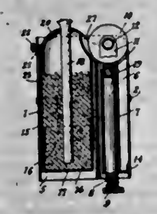
1. In an electrostatic bonding machine, in combination, an electrode having a work-contacting face, means for establishing a high frequency field in a zone proximate to said face, means for feeding dielectric material through said zone, thereby heating the portion of said material in said zone, and means for repeating pressing the electrode against the work in the same portion thereof.

2,472,821
SENSITIVE FUSE
Raymond L. Graumann, Alexandria, Va.
Application August 3, 1940, Serial No. 350,635
4 Claims. (Cl. 102—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



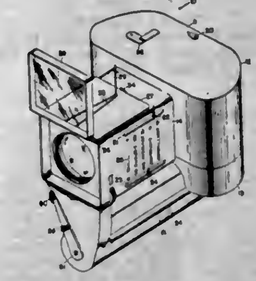
1. A fuze armable by rotation about its axis, comprising a body, a booster charge in said body, an axially extending booster lead connecting with said booster charge, a detonator holder mounted in said body to be translationally slidable transversely of the axis of said body and having a detonator therein to be alined with said booster lead when said holder is in the armed position, spring pressed detents engaged with said holder to retain said holder in the unarmed position but releasable therefrom by centrifugal force, said holder being moved to armed position by centrifugal force after release of said detents, a firing pin disposed along the axis of said body, said pin having a heavy collar adjacent its inner end and a light shearable flange adjacent its outer end, spring pressed detents engaging the inner face of said collar to hold said firing pin in unarmed position but releasable therefrom by centrifugal force, an impact firing head secured on the outer end of said firing pin seated against the outer face of said light flange and adapted to shear said flange in case of impact on said head when said firing pin is in unarmed position, and a puncturable separator disk between the inner end of said firing pin and said detonator holder.

2,472,822
LIGHTER
Howard B. Greene, Cheshire, Conn.
Application February 14, 1946, Serial No. 647,505
1 Claim. (Cl. 67—7.1)



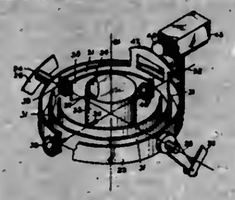
In a pyrophoric lighter, a casing in the form or an open-ended tube, the side walls of the tube being indented to form the casing into a pair of substantially parallel tubular chambers, a spark-creating device including a flint-holding tube of less outside diameter than the inside diameter of the chamber in which said tube is located, the tube being spaced from the wall of said chamber, a lug projecting radially from one end of the flint-holding tube and extending to and being connected to the wall of said chamber, the opposite end of the flint-holding tube being provided with a pair of lugs between which a rotative abrasive wheel is mounted, the sides of the tube-containing chamber being indented to form ears between which the lugs on the tube are positioned, an axle carrying the abrasive wheel, said axle extending through the ears and lugs, a fuel container slidably mounted in the second chamber of the casing alongside of the spark-creating means, said fuel container being slidable axially in the tube and having a wick protruding from one of its ends, the end of the fuel container from which the wick protrudes being substantially dome-shaped and being recessed, the rotative abrasive wheel being adapted to extend into the recess in the domed head of the fuel container when the container is slid to the limit of its movement in a direction to project the end of the wick beyond one end of the casing.

2,472,823
COMBAT CAMERA HAVING HANDGRIP OPERATING MEANS
William R. Harlow, United States Navy
Application September 13, 1946, Serial No. 696,976
1 Claim. (Cl. 95—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a camera for one hand operation the combination of a case, a hand-grip member secured to the bottom of said case, a lens and shutter unit arranged telescopically in said case, a lens cover hinged to said case, a two-element view finder hinged to said case, both said lens cover and said view finder having the same hinge and being spring-loaded to a closed position, gripping pressure responsive means in said hand-grip member adapted to simultaneously open said lens cover and move said view finder to operative position, a spring motor in said hand-grip member, a film transport gear train in said case driven by said spring motor, trigger means on said hand-grip member operable by the thumb of the gripping hand to open the shutter of said lens and shutter unit and to initiate operation of said film transport gear train, and locking means on said gripping pressure responsive means for restraining operation of said trigger means when said lens cover is closed.

2,472,824
RADIO SCANNING APPARATUS
Robert F. Hays, Jr., Syosset, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application June 16, 1945, Serial No. 599,855
11 Claims. (Cl. 250—33.65)



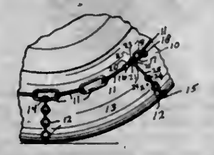
11. The combination of a frame having a gimbal mounted thereon to move about a horizontal axis, a gyro vertical having a housing mounted on said gimbal to move about a horizontal axis perpendicular to the gimbal axis, a rotor case mounted in said housing to move about two mutually perpendicular normally horizontal axes, the major axis of which is normally coincident with the axis of the gimbal and the minor axis of which is normally coincident with the axis of the housing, a pickoff for detecting tilt of the housing relative to the rotor case about the minor axis thereof, and means mounted on said gimbal responsive to the output of said pickoff for moving said housing to restore the casing to a tilt-free condition.

2,472,825
PIPE LIGHTER
James F. Head, Washington, D. C.
Application May 29, 1947, Serial No. 751,228
1 Claim. (Cl. 67—7.1)



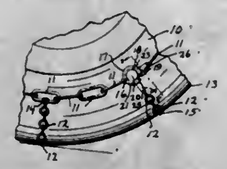
In a lighter, the combination which comprises a cylindrical casing having a longitudinally disposed slot adjacent one end and having a transverse V-shaped recess at a point therein opposite the slot, a fuel container slidably mounted in the casing having a button thereon positioned in the longitudinally disposed slot and having a threaded plug forming the bottom thereof, an elongated tubular wick carrying post mounted on the fuel container at a point thereon adjacent the slot in the casing and offset from the center thereof, said post extended upwardly to the upper end of the casing with the container positioned in the lower part thereof, the upper end of said container from which the post extends positioned about midway of the height of the casing with the container in the lower part thereof, an arcuate flint tube extending from the upper side of the V-shaped notch in the casing to the upper end thereof, an abrading wheel having a pinion thereon rotatably mounted on the upper end of the casing and positioned to engage a flint extending from the end of the flint tube, a cap having a snuffer pocket therein hinged to the upper end of the casing with the said snuffer pocket positioned to receive a wick in the said wick-holding tube as the cap is closed, and an arcuate gear rack carried by the cap and positioned to mesh with the pinion on the said abrading wheel, whereby the rack actuates the wheel to engage the flint as the cap is opened.

2,472,826
TIRE CHAIN RELEASE DEVICE
Milton B. Herbrick, Sterling, Colo.
Application February 9, 1948, Serial No. 7,144
1 Claim. (Cl. 152—213)



A tire chain release device including an inner side chain divided and forming two end portions, a cross chain, and clamp means including a clamp member connected to one end portion of the inner side chain, said clamp means including a keeper pivotally attached thereto, said keeper provided with a recess receiving a link of the other end portion of the side chain, an arm having a collar receiving said clamp means and said keeper, said collar having a releasing opening, said cross chain being attached to said arm whereby release of said cross chain will provide means for rotating said arm so that said keeper will be released through said opening, for releasing said link and said inner side chain from a tire.

2,472,827
TIRE CHAIN RELEASE DEVICE
Milton B. Herbrick, Sterling, Colo.
Application February 9, 1948, Serial No. 7,145
2 Claims. (Cl. 152—213)



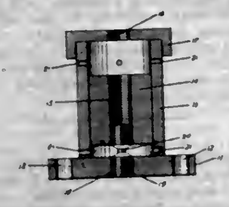
1. A tire chain release device including an inner side chain divided and forming two end portions, a cross chain, and clamp means including a ring member connected to one end portion of the inner side chain having a releasing opening, a stud member to which is attached a link of the other end portion of the side chain, said stud member having an extending ear, and being attached to said cross chain whereby release of the cross chain will provide means for rotating said stud member so that said ear will pass through said receiving opening to release said inner side chain from a tire.

2,472,828
TIRE CHAIN RELEASE DEVICE
Milton B. Herbrick, Sterling, Colo.
Application February 9, 1948, Serial No. 7,146
1 Claim. (Cl. 152—213)



A tire chain release device including an inner side chain divided and forming two end portions, a cross chain, and clamp means including a ring connected to one end portion of the inner side chain, said ring having a releasing opening, said ring receiving a link of the other end portion of the side chain, wedging members received in said ring adapted to snugly retain said link within said ring member, said wedging members having reduced portions, and being attached to said cross chain whereby release of said cross chain will provide means for reception of said reduced portions within said ring to allow release of said link through said releasing opening for releasing said inner side chain from a tire.

2,472,829
PEAK ACCELEROMETER
William H. Hoppmann, Valley Stream, N. Y.
Application August 11, 1945, Serial No. 610,387
8 Claims. (Cl. 264—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



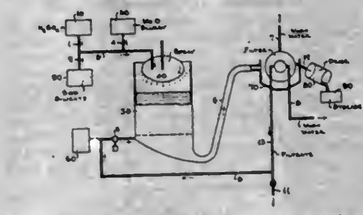
7. In an instrument for determining shock acceleration to which a structure is subjected, a guide in the form of a cylinder, a weight of predetermined mass in the form of a piston movable in the cylinder, a base plate for the instrument closing one end of the cylinder, a screw-threaded attachment embodied in the plate coaxial with the cylinder, a like screw-threaded attachment embodied in the weight coaxial with the attachment of the base plate, a gage specimen of predetermined tensile strength and comprising screw threads at its opposite ends companion to the threads of the attachments.

8. A gage specimen for peak accelerometers comprising a plug of inelastic material with a predetermined tensile strength, a circumferential notch in the plug positioned intermediate its ends, the cross-sectional area of the plug at the base of the notch being predetermined for rupture when subjected to a predetermined shock load, attaching means at opposite ends of the plug.

2,472,830
PREPARATION OF SILICA CONTAINING CATALYSTS
Edward A. Hunter, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 16, 1946, Serial No. 703,479
6 Claims. (Cl. 252—451)

1. Improved process for the preparation of a hydrogel comprising silica and alumina which comprises preparing a silica-magnesia hydrogel, soaking said hydrogel in a solution of a salt of aluminum, maintaining said hydrogel in contact with the aluminum salt solution for a sufficient period of time to cause the magnesia of the hydrogel to react with the aluminum salt to form a silica-alumina hydrogel and a magnesium salt and washing the silica-alumina hydrogel free of magnesium salt.

2,472,831
PROCESS FOR THE PREPARATION OF A SILICA-METAL OXIDE HYDROGEL CATALYST
Edward A. Hunter and Charles N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application February 28, 1947, Serial No. 731,562
11 Claims. (Cl. 252—457)

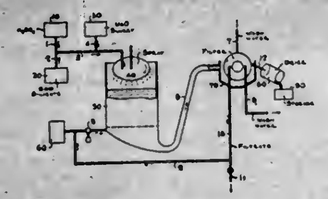


1. Improved process for the preparation of a hydrogel comprising silica and an oxide of a metal, other than magnesium, selected from groups 2, 6 and 7 of the periodic table which comprises admixing a silica sol and an aqueous slurry of magnesia, converting the resulting mixture to a silica-magnesia hydrogel, contacting said hydrogel with a solution of a salt of a metal, other than magnesium, selected from groups 2, 6 and 7 of the periodic table for a sufficient period of time to permit the magnesia of the hydrogel to react with the said metal salt to form a silica-metal oxide hydrogel and a magnesium salt, and washing the silica-metal oxide hydrogel free of the magnesium salt.

2,472,832
PROCESS FOR THE PREPARATION OF A SILICA-GROUP IV METAL OXIDE CATALYST
Edward A. Hunter and Charles N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application February 28, 1947, Serial No. 731,563
14 Claims. (Cl. 252—454)

1. Improved process for the preparation of a hydrogel comprising silica and an oxide of a metal of group 4 of the periodic table which comprises admixing a silica sol and an aqueous slurry of magnesia, converting the resulting mixture to a silica-magnesia hydrogel, contacting said hydrogel with a solution of a salt of a metal selected

from group 4 of the periodic table for a sufficient period of time to permit the magnesia of the hydrogel to react with the said metal salt to form,



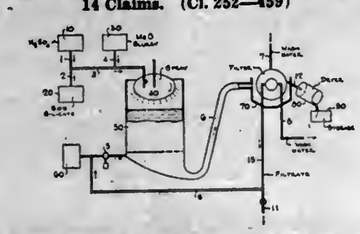
by double decomposition, a silica-metal oxide hydrogel and a magnesium salt, and washing the silica-metal oxide hydrogel free of the magnesium salt.

2,472,833

PROCESS FOR THE PREPARATION OF A SILICA-GROUP VIII METAL OXIDE CATALYST

Edward A. Hunter and Charles N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

Application February 26, 1947, Serial No. 731,564
14 Claims. (Cl. 252—459)



1. Improved process for the preparation of a hydrogel comprising silica and an oxide of a metal of group 8 of the periodic table which comprises admixing a silica sol and an aqueous slurry of magnesia, converting the resulting mixture to a silica-magnesia hydrogen, contacting said hydrogel with a solution of a salt of a metal selected from group 8 of the periodic table for a sufficient period of time to permit the mangesia of the hydrogel to react with the said metal salt to form, by double decomposition, a silica-metal oxide hydrogel and a magnesium salt, and washing the silica-metal oxide hydrogel free of the magnesium salt.

2,472,834

CRACKING CATALYST

Robert E. Schexnailder, Jr., and Edward A. Hunter, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 18, 1947, Serial No. 780,768
5 Claims. (Cl. 252—455)

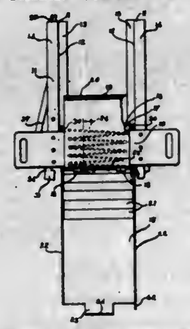
1. A method of preparing synthetic silica-metal oxide gels suitable for use in the catalytic conversion of hydrocarbon oils which comprises preparing a mixed hydrogel of silica and an alkaline earth metal oxide, soaking said mixed hydrogel with a solution of a salt of a metal, the oxide of which exerts a substantial catalytic effect upon the conversion of hydrocarbon oils, thereby forming the corresponding alkaline earth metal salt and precipitating an equivalent amount of said metal within the hydrogel as a hydrous oxide, washing, drying and calcining the hydrogel.

2,472,835

DISPENSING CIGARETTE LIGHTER

Alton E. Hutchinson, Milwaukee, Wis., and Gerald G. Thomas, Detroit, Mich., assignors, by mesne assignments, to Dowi Products, Inc., Milwaukee, Wis., a corporation of Wisconsin

Application December 26, 1944, Serial No. 569,882
9 Claims. (Cl. 312—86)



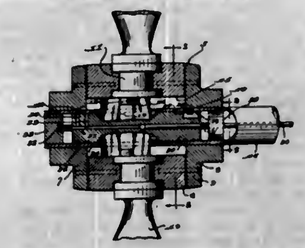
1. In a combination cigarette dispenser and lighter, a frame, a receptacle adapted to contain cigarettes in side by side relation slidably mounted in said frame, means for limiting the sliding movement of said receptacle in opposed directions, said means including a hinged cover movable to open position only when said receptacle is in one of its limiting positions, said receptacle having a discharge opening at one end thereof, means tending to urge said cigarettes sidewise toward said opening, supporting means on said receptacle for a cigarette discharged through said opening, and means for lighting a cigarette on said supporting means.

2,472,836

REVERSIBLE PROPELLER

Earnest R. Kennedy and Lowell E. Kennedy, Defiance County, Ohio

Application July 31, 1946, Serial No. 687,451
1 Claim. (Cl. 170—160.32)



A reversible propeller comprising a housing having a chamber therein, a pair of propeller blades each including a root journaled in diametrically opposite sides of the housing, a piston working in the chamber, interconnecting means

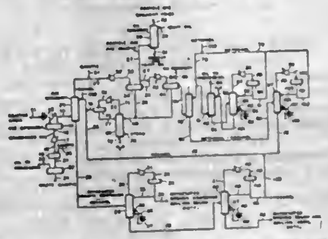
between the roots and the piston operable to transmit reciprocating movement of the piston to rotary movement of the root to vary the pitch of the blades, a tube extending through the housing having ports communicating with the chamber at opposite sides of the piston and adapted to subject the piston to fluid pressure, said piston being slidable on the tube, a sliding reversing valve in the tube controlling the ports in the tube to oppositely actuate the piston, said valve having a passage therethrough, and a fluid pressure supply pipe connected to the passage at one end of the valve to supply fluid pressure behind an opposite end of the valve to move the valve in one direction, the first named end of the valve being subjected to fluid pressure in the tube to move the valve in an opposite direction, and said tube and said supply pipe alternately providing fluid pressure supply and return conduits for the chamber upon reversing of the valve.

2,472,837

SEPARATION OF ORGANIC COMPOUNDS

Charles C. King, Roselle, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware

Application February 27, 1947, Serial No. 731,267
16 Claims. (Cl. 260—450)



1. A process for recovering the products of hydrogenation of oxides of carbon which comprises cooling said products to effect substantial condensation of normally liquid components of said products to form an oil product liquid phase and gases containing oxygenated organic compounds and hydrocarbons, separating the oil product liquid phase and gases, subjecting said gases to extraction with a solvent for oxygenated organic compounds to absorb substantially all oxygenated organic compounds contained in said gases as components of the resulting extract, subjecting said extract to fractionation to separate the oxygenated organic compounds contained therein into a first fraction comprising oxygenated organic compounds boiling below the boiling point of said solvent and a second fraction comprising said solvent and oxygenated organic compounds boiling above the boiling point of said solvent, separating said solvent from said last mentioned oxygenated organic compounds, and passing the solvent thus separated to said extraction step.

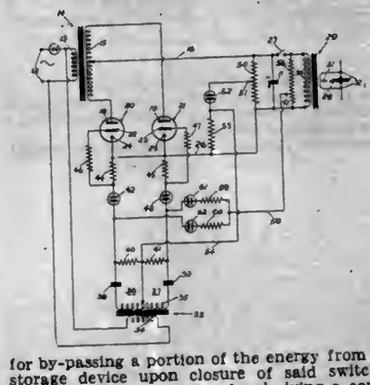
2,472,838

SYSTEM FOR CHARGING AND DISCHARGING ENERGY STORAGE DEVICES

Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application March 26, 1947, Serial No. 737,327
4 Claims. (Cl. 320—1)

1. In combination, a load circuit, an energy storage device, a source of alternating current, a charging circuit connecting said storage device to said source, a discharge tube including a control electrode in said charging circuit for controlling the flow of current to said storage device, a source of control potential for controlling the charging of said energy storage device, a discharge circuit for discharging said storage device into said load circuit, switching means controlling the discharge of said storage device into said load circuit, a shunt circuit connected across said load circuit



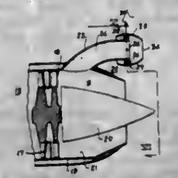
for by-passing a portion of the energy from said storage device upon closure of said switching means, and circuit means for deriving a control potential from said shunt circuit for applying a blocking potential to said control electrode to electrically isolate said storage device from said source when said switching means is closed, and a glow-discharge device in said circuit means for preventing the shunting of said control potential through said circuit means.

2,472,839

STEERING NOZZLE FOR JET-PROPELLED AIRCRAFT

Fred S. Kramer, Prospect Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

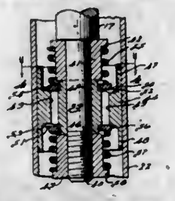
Application June 1, 1945, Serial No. 597,968
1 Claim. (Cl. 60—35.55)



In apparatus for propelling an airplane, a main nozzle fixedly mounted relative to the airplane with its axis extending in the direction of flight and arranged to expand motive fluid exhausting from a turbine and to discharge such motive fluid as a high velocity jet for propelling the airplane; an auxiliary nozzle for expanding motive fluid to provide an auxiliary propulsion jet; said auxiliary nozzle having a discharge flow area which is relatively much smaller than that of the main nozzle and being arranged to discharge motive fluid to one side of the latter; said auxiliary nozzle including a body portion fixed in relation to the airplane, a hood encompassing the discharge end

of the body portion and extending rearwardly of the latter, and gimbal means for supporting the hood on the body portion; said hood being spaced circumferentially about the body portion to provide an annular passage which entrains air from the atmosphere to flow over the gimbal means and join motive fluid issuing from the discharge end of the body portion to form the jet discharging from the hood; and means for effecting movement of the hood in a universal manner to change the direction of thrust of the auxiliary jet in relation to that of the main jet to turn the airplane.

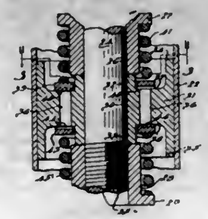
2,472,840
VALVE CONSTRUCTION
Ross Lewton, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application February 9, 1945, Serial No. 577,014
13 Claims. (Cl. 188—100)



1. A valve construction for a shock absorber, comprising a body having a plurality of parallel passages extending therethrough and arranged in a ring, a first set of V-shaped depressions formed in one face of the piston at certain alternate passages, and a second set of V-shaped depressions formed in the other face of the piston at the remaining alternate passages, a first valve ring engaging the said one face of the body so as to close the said remaining alternate passages and to lie within the limits of the first set of V-shaped depressions for leaving open the said certain alternate passages, means yieldingly holding the first valve ring in engagement with the first face of the body, a second valve ring engaging the said other face of the body so as to close the said certain alternate passages and to lie within the limits of the second set of V-shaped depressions for leaving open the said other alternate passages, and means yieldingly holding the second valve ring in engagement with the second face of the piston.

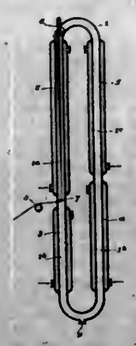
2,472,841
VALVE CONSTRUCTION
Sidney A. Ochs, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application February 9, 1945, Serial No. 577,015
17 Claims. (Cl. 188—100)

10. A piston valve construction for a shock absorber comprising a piston having a body portion, peripheral skirts extending from opposite faces thereof, central hub extensions at the opposite faces, and a ring of passages extending from one opposite face to the other opposite face, a first valve ring positioned at the said one face of the piston in surrounding relation to one hub extension and having reentrant portions causing positioning of the first valve ring at the said one face to close certain alternate passages and to leave open the remaining alternate passages, means yieldingly maintaining the first valve ring in the aforesaid position, means preventing substantial rotative movement of the first valve ring with respect to the piston, a second valve ring positioned at the said other face of the piston in surrounding relation to the other hub extension and having reentrant portions causing positioning of the second valve ring at the said other



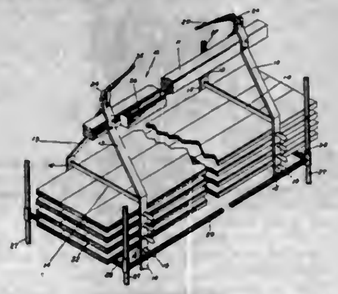
face to close the said remaining alternate passages and to leave open the said certain alternate passages, means resiliently maintaining the second valve ring in the aforesaid position, and means preventing substantial rotative movement of the second valve ring with respect to the piston.

2,472,842
APPARATUS AND METHOD OF DRY SPINNING VINYL COMPOUNDS
Antoine Francisque Gaston Mouchiroud and Joseph Aime Trillat, Lyon, France, assignors to Societe "Rhodiaceta," Paris, France
Application December 1, 1945, Serial No. 632,270
In France August 24, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires August 24, 1962
2 Claims. (Cl. 18—8)



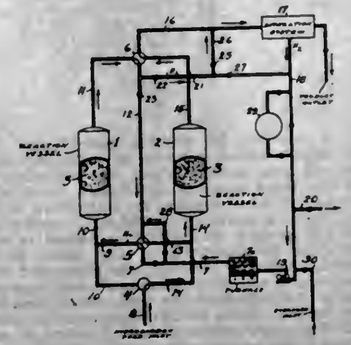
1. A process of manufacturing products such as filaments and the like which consists in causing a solution of vinyl polymers in a volatile solvent to be extruded into an evaporative atmosphere substantially free from solvent vapor in a closed circuit, and moving the extruded filaments thereby to cause movement of the evaporative atmosphere at substantially the same speed and in the same direction as the filaments, causing the spun filaments to emerge from said evaporative atmosphere, and, after such emergence cooling the evaporative atmosphere thereby to ensure condensation of the solvent vapor contained therein.

2,472,843
MATERIAL HANDLING DEVICE
Robert K. Muise, Congers, N. Y.
Application July 25, 1945, Serial No. 607,073
7 Claims. (Cl. 294—67)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



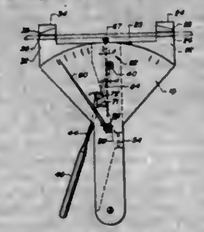
1. A sling carriage comprising a rigid framework having an open bottom, multiple readily removable article-supporting means disposed at two ends of said framework at spaced intervals upwards along said rigid framework, and article-retaining means on said article-supporting means.

2,472,844
MAINTENANCE OF CATALYST ACTIVITY IN HYDROCARBON CONVERSION PROCESSES
John C. Munday, Cranford, N. J., and Edward W. S. Nicholson, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application June 25, 1942, Serial No. 448,338
6 Claims. (Cl. 196—50)



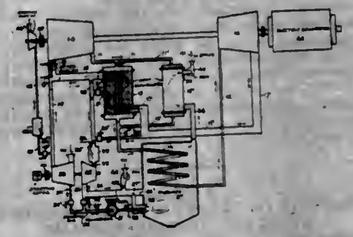
1. The method of conducting a hydrocarbon conversion conducted in the presence of added hydrogen and a solid catalyst material at elevated temperatures which process normally results in the deposition of activity impairing contaminants on the said catalyst, which comprises forcing said oil and a hydrogen-containing gas into contact with said catalyst in a reaction zone maintained at elevated temperatures and periodically interrupting a conversion period by discontinuing the oil supply to said reaction zone at intervals of from a fraction of a second to about 15 minutes, whereby only hydrogen is forced into said zone periodically to retard deposition of coke on the catalyst.

2,472,845
TENSIOMETER
Robert South Neiswander, United States Navy
Application August 31, 1944, Serial No. 552,116
8 Claims. (Cl. 73—143)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for measuring the tension in a tensioned member comprising a pair of levers pivotally joined at one end and having gripping member at their opposite ends adapted to engage the tensioned member at spaced points, one of said levers being deformable, an eccentric mounted on one of said levers between the pivot point and the gripping member, said eccentric being adapted to fit into an opening formed in the other lever in a corresponding position, an arm operable to rotate said eccentric thereby to oscillate the levers toward or away from each other about their pivot, and means associated with the deformable lever, and operable by the amount of deformation produced therein by movement of said gripping members toward each other to indicate the tension in said tensioned member.

2,472,846
HEAT POWER PLANT
Frederick Nettel, Manhasset, and John Kreitner, New York, N. Y.
Application January 9, 1945, Serial No. 572,085
7 Claims. (Cl. 60—49)



1. In a combustion turbine power plant of the continuous heating type, including air turbo-compressor means, one or more turbine type air expansion means, air preheater means for compressed air arranged on the heated side in two parallel flow paths, surface type fuel burning air heater means, furnace means, air cooler means, conduit means for admitting to said compressor means air of substantially super-atmospheric

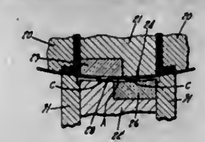
pressure, conduit means for the further compressed air issuing from said turbo-compressor means connected to both said parallel flow paths of said air preheater means, thence to the heated side of said surface type fuel burning air heater means for transferring to said further compressed air combustion heat released in said furnace under near-atmospheric pressure, thence to the inlet of said air expansion system, coupling means connecting one turbine of said expansion system to said compressor means for driving same, coupling means connecting one turbine of said expansion system to power consuming means for driving same, conduit means for the air issuing from said expansion system at substantially the same super-atmospheric pressure as at the inlet to said turbo-compressor means for leading said air stream through the heating side of one branch of said air preheater means, thence through said air cooler means, and thence back to the inlet of said turbo-compressor means in a substantially closed main circuit, secondary air compressor means for taking in air from the ambient atmosphere, conduit means for connecting the outlet of said secondary compressor means to said main circuit at a point between the outlet from said air preheater means and the inlet to said turbo-compressor means, secondary gas turbine means, coupling means for connecting said secondary turbine means to said secondary compressor means for driving same, conduit means for branching off part of the air issuing from the main circuit expansion system at a point between the outlet from said expansion system and the inlet to said air cooler means for leading said air to said secondary turbine means for expansion therein to near-atmospheric pressure, conduit means for leading said expanded air from the outlet of said secondary turbine means to said furnace to serve therein as combustion air, conduit means for passing the combustion gases from said furnace, after heat exchange in said air heater means to the compressed air issuing from said air preheater means, through the heating side of the second branch of said air preheater means, and thence exhausting them to the atmosphere.

2,472,847
FUNGICIDAL LACQUER
Walter S. Osborne, Sumter, S. C.
No Drawing. Application September 6, 1945, Serial No. 614,801
6 Claims. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A fungus-inhibiting lacquer comprising a substantial proportion of a fungicide consisting of 5–95% by weight of ortho-cresyl-azo-diamino benzene hydrochloride, and 95–5% by weight of tetra-bromo-ortho-cresol and a larger proportion of clear lacquer.

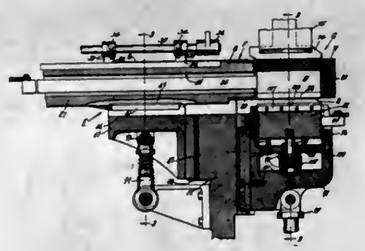
2,472,848
METHOD OF ELECTRIC BUTT-WELDING METALLIC CONTAINER SEAMS
Horace J. Paynter, Union, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 23, 1946, Serial No. 642,930
6 Claims. (Cl. 219—10)

1. A method of electric butt-welding the full length simultaneously of complementary edges of thin metallic sheet material such as the side seam edges of can bodies, which comprises forming in said material corrugations disposed adjacent to and extending longitudinally of the edges to be welded, bringing the edges into abutting relation along their full length, clamping the material to hold the edges in abutting relation and against separation, exerting a pressure on said corrugations in a lateral direction to flatten them thereby



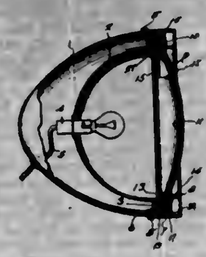
forcing the abutting edges together under a high pressure and in a transverse edgewise direction, closely covering said abutting edges, and passing an electric current through said material from one of said abutting edges to the other and across the seam to be welded to heat said edges to a welding temperature for fusing and welding the edges together.

2,472,849
APPARATUS FOR ELECTRICALLY WELDING CONTAINER SEAMS
Horace J. Paynter, Union, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 23, 1946, Serial No. 642,931
8 Claims. (Cl. 219—6)



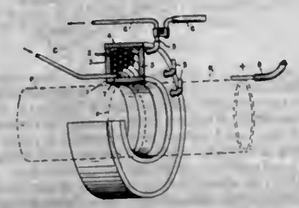
1. A machine for electric butt-welding the full length simultaneously of complementary edges of thin metallic sheet material such as the side seam edges of can bodies, comprising in combination a mandrel for supporting a can body, forming means secured in part in said mandrel for forming corrugations adjacent to and extending longitudinally of the edges to be welded, means for shifting said edges and corrugations to a second position on said mandrel devices for bringing the body edges together and holding them in abutting relation along their full length while on said mandrel at said second position, electrodes facing opposite sides of said corrugations and edges for passing an electric current through the can body from one of said abutting edges to the other across the seam to heat the edges to a welding temperature and to weld the edges together, and means for pressing said electrodes together with the corrugations of the body therebetween and while said devices hold the material for flattening out the corrugations thereby forcing the abutting edges together under a high pressure for the welding operation.

2,472,850
ANTIGLARE LENS STRUCTURE FOR HEADLIGHTS AND THE LIKE
John H. Plant, Aurora, Ill.
Application July 14, 1945, Serial No. 605,087
3 Claims. (Cl. 240—46.58)



1. In a headlight comprising a casing, a lens structure comprising a front circular lens of clear transparent material, and a rear lens of colored transparent material opposed flat against the front lens, a channeled binder ring in which the edges of the lenses are frictionally fitted, and means to secure said structure in said casing comprising a keeper ring having forwardly projecting right angled lugs in which the binder ring is fitted and provided with edge pairs of ears interlocked with said casing against play crosswise of the same.

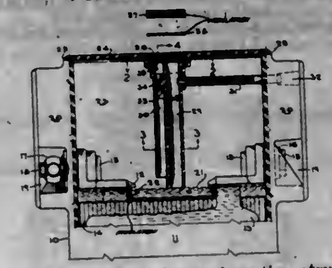
2,472,851
APPARATUS FOR ELECTROMAGNETICALLY CONTROLLING WELDING ARCS
George G. Landis, South Euclid, and Norman J. Hoenie, Cleveland Heights, Ohio, assignors to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
Application September 23, 1944, Serial No. 555,508
4 Claims. (Cl. 315—347)



1. In an apparatus for heating a metallic workpiece by an electric arc, the combination of an annular electrode transversely split to permit relative movement of its parts and adapted to be supported with one face thereof in spaced relation to such work-piece, a conductor for electric current electrically connected at one end to said electrode and formed into a plurality of insulated turns concentric with the axis of the latter, and a second conductor adapted to be connected to said work-piece, whereby upon connecting said conductors with a suitable source of current an arc will be formed between such electrode face and work-piece and the magnetic field induced by flow of current through the turns of said first conductor will cause such arc to travel in a circular path defined by such electrode face.

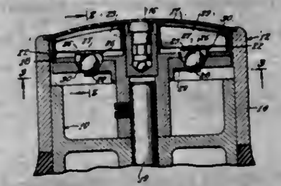
623 O. G.—29

2,472,852
FILLING AND VENTING STRUCTURE FOR STORAGE BATTERIES
Lester E. Lighton, Glenside, Pa., assignor to The Electric Storage Battery Company, a corporation of New Jersey
Application November 14, 1945, Serial No. 628,567
7 Claims. (Cl. 136—177)



1. A non-overfill filling and venting structure for a double chamber type non-spill battery having a container, the lower portion of which contains storage battery elements and electrolyte and the upper portion of which is adapted to hold all of the electrolyte when said battery is inverted, comprising a cover sealed to the upper walls of said container, a filling well in said cover, an imperforate plug closing said filling well from above, a floor in said filling well, a duct defined by walls extending from the floor of said filling well down to the normal electrolyte level of said battery when said battery is in an upright position, a second filling duct defined by walls extending from the floor of said filling well down to a point in proximity to but above the lower end of said first mentioned duct, said second duct having the opening thereof at its upper end restricted by a section of reduced diameter, whereby liquid passing therethrough forms a liquid seal the lower end of both of said ducts being constructed to lie above the electrolyte level when said battery is inverted and a vent passage establishing communication between the upper end of said first mentioned duct and the external atmosphere.

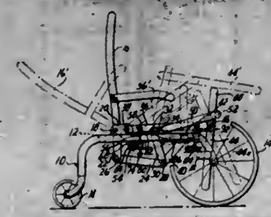
2,472,853
SHAVING APPARATUS
John Lorenz, Forest Hills, N. Y., assignor, by mesne assignments, to Eleanor U. Andrews, Greenwich, Conn.
Application March 1, 1945, Serial No. 580,376
9 Claims. (Cl. 30—43)



1. In a shaving device, the combination of a handle, a thin apertured skin contacting shear plate mounted on said handle, a member adjacent to the under surface of said shear plate and rotatable on an axis substantially normal thereto, a cutter blade mounted on said member for movement toward said shear plate, means for

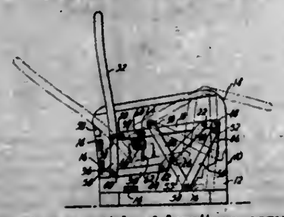
rotating said member, and separate centrifugally operated means on said member for urging said cutter blade into engagement with said shear plate as said member rotates.

2,472,854
RECLINING ARTICLE OF FURNITURE
Anton Lorenz, Buffalo, N. Y.
Application September 17, 1946, Serial No. 697,502
7 Claims. (Cl. 155—105)



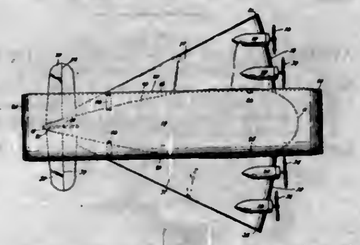
7. A reclining article of furniture, comprising: a support, a back-rest pivoted to said support, said back-rest having an extension projecting downwardly beyond the pivotal connection between the back-rest and the support, a lower link, the rear portion of said lower link being pivoted to said extension of the back-rest below said pivotal connection between the back-rest and the support, a connecting link, one end portion of said connecting link being pivoted to the front portion of said lower link, the other end portion of said connecting link being pivoted to said support at a point spaced from the pivotal connection between the back-rest and the support, said extension of the back-rest, said lower link, said connecting link and the stationary portion of the support between the pivotal connections of the connecting link with the support and of the back-rest with the support forming links of a four-bar link-mechanism, a seat, the rear portion of said seat being pivoted to said support at a point spaced from the pivotal connection between the back-rest and the support, a front link, one end portion of said front link being pivoted to the front portion of said seat, the other end portion of said front link being pivoted to the lower link, a leg-rest swingably mounted on the front portion of said seat, and a controlling mechanism in operative relation with a member of the article and said leg-rest for controlling the movements of the latter.

2,472,855
RECLINING ARTICLE OF FURNITURE
Anton Lorenz, Buffalo, N. Y.
Application September 17, 1946, Serial No. 697,503
5 Claims. (Cl. 155—105)



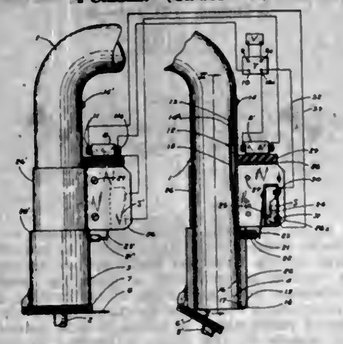
2. A reclining article of furniture, comprising: a support, a seat, the rear portion of said seat being pivoted to said support, a front link, the upper portion of said front link being pivoted to the front portion of said seat, a connecting link, one end portion of said connecting link being pivoted to said front link at a point below the pivotal connection between the front link and the seat, the other end portion of said connecting link being pivoted to said support at a point spaced from the pivotal connection between the seat and the support, said seat, said front link, said connecting link and the stationary portion of the support between the pivotal connections of the connecting link with the support and of the seat with the support forming the links of a four-bar link-mechanism, a back-rest, said back-rest being pivoted to said support at a point spaced from the pivotal connection between the seat and the support, said back-rest having an extension projecting downwardly beyond the pivotal connection between said back-rest and said support, a lower link, the rear portion of said lower link being pivoted to said extension of the back-rest below the pivotal connection between the back-rest and the support, the front portion of said lower link being pivoted to a point of the front link spaced from its pivotal connection with the connecting link, and locking means associated with at least one member of the link-system of the article for locking the movable members thereof.

2,472,856
AIRPLANE
Harry Alexan Manookian, Chicago, Ill.
Application August 2, 1944, Serial No. 547,673
1 Claim. (Cl. 244—13)



In an aircraft of the character described, the combination of: a fuselage of a generally elongated formation defined by a slightly concave bottom with convex sides merging in with a curved top, said fuselage including a nose at one end and a tapered tail at the other with a main body portion of uniform cross section therebetween, the cross section of said main body portion being the maximum cross section of said fuselage; an upper plane carried by and positioned above said fuselage in spaced relation with respect thereto, said plane being of a generally rectangular formation and having a width substantially corresponding to the width of said maximum cross section and a length greater than the length of said fuselage whereby said plane projects beyond the nose and tail thereof at its respective ends; and a pair of wings extending from the opposite side edges of said fuselage bottom, each of said wings having a curvature substantially corresponding to that of said concave bottom and of which it is a continuation, an arcuate swept back leading edge which joins the fuselage bottom substantially where said nose merges with said main body portion, and a side edge extending from the free end of said leading edge to said tail.

2,472,857
PNEUMATIC DISPATCH SIGNALING SYSTEM
Dott W. G. McClure, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application December 13, 1944, Serial No. 568,036
4 Claims. (Cl. 243—36)



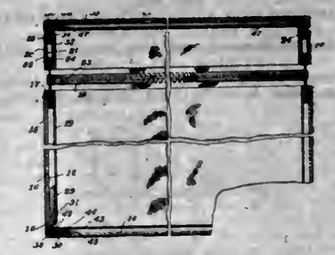
3. In a pneumatic conveyor system, the combination which comprises a conduit of substantially uniform cross section, a carrier slidably fitted within the conduit, a brake in the form of a long leaf spring mounted lengthwise in the conduit adjacent an end thereof with a substantial portion of its length bowed into the path of the carrier in the conduit but depressable out of the path by the sliding carrier, the spring being sufficiently strong to decelerate the carrier substantially, the end of the spring remote from the end of the conduit being anchored to the conduit and the other end being free to move longitudinally, and a switch having a contactor that is operated by the brake, the contactor being disposed behind the leaf spring adjacent the conduit wall in such position that the spring, on being depressed by the carrier, touches the contactor for a substantial portion of the period during which the carrier is in contact with the spring.

2,472,858
LAMP-ROTATING CLAMP FOR ATTACHMENT TO TUBULAR LAMPS
Robert T. Riker and Joseph H. Molat, New York, N. Y.
Application December 14, 1945, Serial No. 635,128
8 Claims. (Cl. 240—51.11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A lamp-rotating device for attachment to elongated lamps of the type interlocked and released from their fixtures by rotation of the lamp about its longitudinal axis, comprising a ring-shaped clamp adapted to be positioned on said elongated lamp, a pair of projecting lugs upon said clamp, means connecting said lugs for securing said clamp to said lamp, a pair of hooks positioned upon the periphery of said clamp facing in opposite directions whereby said clamp and tube can be rotated in either direction, and a projecting element upon the periphery of the clamp spaced from said hooks and said lugs, said projecting element and said lugs being adapted to cooperate with said fixture to limit the degree of rotation of said clamp and tube to approximately 90 degrees within said fixture and said hooks being spaced relative to said lugs and projecting element to extend substantially horizontally outward and substantially vertically downward respectively from said clamp when said tube and clamp are at one limit of rotation within said fixture.

2,472,859
CYLINDRICAL HANDBAG HAVING FLEXIBLE SIDE WALLS
Isaac Rubin, New York, N. Y.
Application November 23, 1946, Serial No. 711,957
4 Claims. (Cl. 190—50)

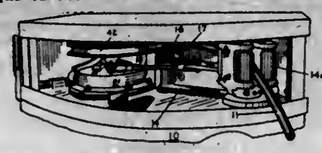


1. In a handbag in combination a curved peripheral wall having a curved edge; a curved annular member having a curved edge and fitting into said curved peripheral wall of said handbag in spaced relation thereto, said curved annular member arranged within said curved peripheral wall with its curved edge adjacent to said curved edge of said curved peripheral wall; a flexible side wall covering the opening formed by said curved annular member and reaching over said curved edge of the same into the space between said curved peripheral wall and said curved annular member and secured to the latter; a curved expansion member having substantially the shape of said curved edge of said curved annular member and arranged within said handbag adjacent said curved edge of said curved annular member and said side wall of said handbag and permanently stretching the same so as to keep it taut; and a lining unit consisting of a curved ring member having substantially the shape of said curved edge of said annular member and of a highly flexible lining cover entirely covering the opening formed by said curved ring member and secured to the same, said lining unit fitted into said handbag inside the same adjacent to said flexible side wall so that said curved ring member is positioned between said curved edge of said curved annular member and said curved expansion member preventing unintentional removal of said lining unit.

2,472,860
COMBINED CABLE GUIDE ARM AND TORQUE CONTROL SWITCH
John D. Russell, Cranberry Township, Venango County, Pa., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application September 2, 1944, Serial No. 552,536
40 Claims. (Cl. 191—12)

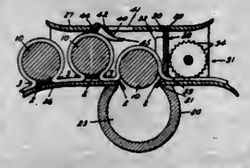
16. A control system for a motor operating a cable reel on a vehicle for a cable supplying elec-

trical energy to the vehicle from an extraneous source comprising, means operable to vary the torque of the cable reel motor, and means re-



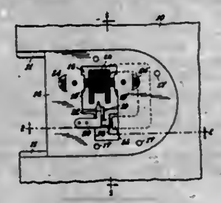
sponsive to change in the angle of the cable, as the latter extends away from the vehicle, to the path of reel movement operable to control the torque varying means.

2,472,861
MACHINE GUN AMMUNITION FEED BELT
Wilbur A. Schaich, Springfield, Mass.
Application November 30, 1945, Serial No. 632,099
2 Claims. (Cl. 89—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



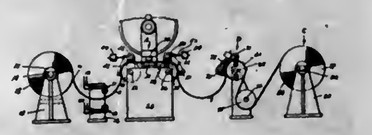
1. A cartridge belt comprising a single strip of flexible material shaped to provide a plurality of open cartridge receiving pockets, and frangible means bridging said open pockets to yieldingly secure a cartridge in each of said pockets, said means being frangible at a substantially lower tensile force than said flexible strip.

2,472,862
CUTTING ATTACHMENT FOR SEWING MACHINES
Victor J. Sigoda, Great Neck, N. Y., assignor to Man-Sew Corporation, New York, N. Y., a corporation of New York
Application November 5, 1946, Serial No. 707,895
9 Claims. (Cl. 112—127)



1. A shear-action cutter for a sewing machine comprising, a support plate having an opening, a fixed blade mounted on said support plate and having a shearing face extending over said opening, a yoke having two arms joined to the opposite ends of a bridge member which extends beneath said blade, the free ends of said arms being pivotally mounted on said support plate, and a reciprocating blade carried on said bridge member in shearing relation to the fixed blade.

2,472,863
APPARATUS FOR PERFORATING METALLIC STRIPS
John E. Socke, Pelham Manor, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 16, 1945, Serial No. 629,130
5 Claims. (Cl. 164—89)



1. In an apparatus for feeding metallic strips for perforating and the like incident to providing a strip having potential blank spaces arranged in a cutting pattern with cooperating feeding perforations, the combination of perforating dies for punching a row of perforations in a strip in an exact relationship to a row of said potential blank spaces in the strip, a feeding sprocket mounted adjacent said perforating dies for drawing the strip through the dies by engagement in the perforations as they are cut, actuating means for rotating said feed sprocket intermittently to cause the strip as perforated to extend into a varying size loop, a second feed sprocket located on the opposite end of said loop and having engagement in the perforations of the strip, means for constantly rotating said second sprocket at a speed of rotation to maintain the length of said loop within predetermined limits, and devices for holding the strip on said feed sprockets for portions of their peripheries to insure exact operation of each of said sprockets.

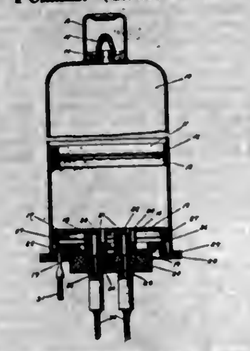
2,472,864
COMPOSITION FOR AND METHOD OF CHEMICALLY COATING ALUMINUM
Frank Palin Spruance, Jr., Ambler, and James H. Thirsk, Wyncote, Pa., assignors to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware
No Drawing. Application February 7, 1947, Serial No. 727,270
12 Claims. (Cl. 148—6.16)

3. In a process for coating surfaces of aluminum and alloys thereof in which aluminum is the principal ingredient, the step which consists in subjecting the surface to the action of an acid aqueous solution the essential active coating-producing ingredients of which are fluoride ion, dichromate ion, phosphate ion, arsenate ion and hydrogen ion, the ions being present in amounts stoichiometrically equivalent to

	Grams per liter
Fluorine	0.9 to 12.5
Chromic acid (CrO_3)	3.75 to 60.0
Phosphate plus arsenate (calculated as PO_4)	6.0 to 285.0
Arsenate (As_2O_5)	0.2 to 3.0

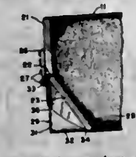
the ratio of fluoride ion to dichromate, expressed as $F:CrO_3$, being between 0.135 and 0.405; and the pH of the solution being between about 1.6 and 2.2, as measured by the lowest value indicated by a glass electrode pH meter within the first ten minutes of immersion of the electrode in the solution.

2,472,865
GASEOUS DISCHARGE DEVICE
Paul W. Stutsman, Needham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 26, 1946, Serial No. 650,359
4 Claims. (Cl. 250—27.5)



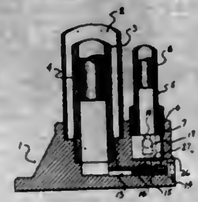
1. A gaseous discharge device comprising an envelope containing an ionizable gas, at least one electrode supported within said envelope, means for supporting an electron-emissive material within said envelope, shielding means electrically insulated from and surrounding said electrode, insulating means surrounding said shielding means, and electrically conductive means surrounding said insulating means, said insulating means being shorter than said shielding and conductive means to provide an annular space between said last-named means which is less than the mean free path of the particles of said electron-emissive material, said insulating means being terminated a distance from the effective ends of said shielding and conductive means which is at least twice the distance between said last-named means.

2,472,866
MARINE MINE
John I. Thompson, Edgewater Park, N. J., and Donald E. Marlowe, Takoma Park, Md.
Application February 19, 1944, Serial No. 523,088
9 Claims. (Cl. 102—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. An aircraft planted marine ground mine, a casing for said mine, a faired device secured to the casing and having an exposed forward flat surface normal to the line of free flight of the mine through the air and adapted to be detached therefrom as the mine strikes the surface of the water, and means on said casing including an inclined surface to which the faired device is secured in matching relation and effective when said faired device has been detached for suddenly reducing the rate of the downward movement of the mine within the water.

2,472,867
HYDRAULIC JACK
Herbert A. Thorndike, Oshkosh, Wis., assignor, by mesne assignments, to Vulcan Manufacturing Co., Inc., Winona, Minn.
Application June 20, 1946, Serial No. 678,048
3 Claims. (Cl. 103—228)



1. In a reciprocating type hydraulic pump: a body having a bore open at one end and closed at the other, and having inlet and outlet passages opening to the bore through its closed end; a cylindrical plug, of a size to fit freely into said bore, received therein, said plug having parallel ends and having inlet and outlet ports extending axially therethrough, the spacing of said ports being such as to align with the mouths of the inlet and outlet passages in the closed end of the bore; oppositely acting check valves in said ports; means for removably securing said plug in position; and means engageable between the closed end of the bore and either end of the plug for properly locating the same for alignment between its ports and the mouths of the inlet and outlet passages so that said plug may be inserted with either end innermost.

2,472,868
STABILIZED AROMATIC COMPOUNDS AND METHODS OF OBTAINING THE SAME
Edward W. Tillitson, Grosse Pointe, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 4, 1945, Serial No. 597,599
19 Claims. (Cl. 260—619)

1. A stabilized aromatic carbocyclic compound containing a nuclear substituent of the class consisting of hydroxyl and amino groups and acid addition salt groups corresponding to said amino groups, said carbocyclic compound having incorporated therewith at least a small fraction of 1% of an iminoaminomethanesulfinic acid of the formula,

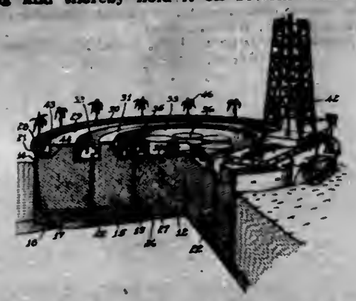
$$R'NH-\underset{\displaystyle NH}{\overset{\displaystyle \|}{C}}-SO_2H$$

to stabilize said carbocyclic compound against deterioration, R' of the formula being a member of the class consisting of hydrogen and lower alkyl radicals.

2,472,869
ISLAND FOR WELL DRILLING
William J. Travers, Jr., Los Angeles, Calif., assignor to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware
Application February 24, 1947, Serial No. 730,337
4 Claims. (Cl. 61—46)

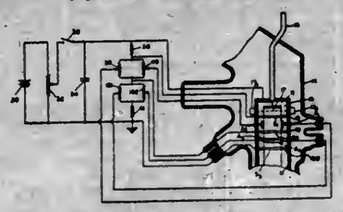
1. A device for supporting well drilling apparatus in an offshore marine location, comprising in combination: inner and outer concentric upstanding walls joined by an annular floor, the inner wall defining a central opening completely

through the device, the annular space between the walls being filled with material to sink the ring and thereby hold it on bottom with the



outer wall extending above the water level, and the central opening being filled with water-displacing material resting on bottom to thereby resist lateral shift of the device.

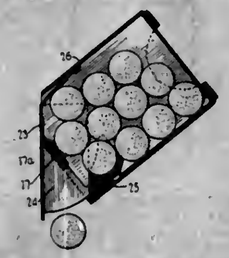
2,472,870
MASS SPECTROMETRY
Harold W. Washburn, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application November 21, 1944, Serial No. 564,424
7 Claims. (Cl. 250—41.9)



1. In a mass spectrometer having an ionization chamber provided with a first electrode having an ion outlet slit that is elongated in cross-section, and means for propelling ions through the slit, the combination which comprises a second electrode disposed outside the chamber and provided with an elongated ion outlet slit disposed substantially in line with that of the first electrode, means for impressing a potential between the first and second electrode to propel ions issuing from the chamber through the slit in the second electrode, at least one auxiliary focussing electrode mounted between the first and second electrodes adjacent an end of a slit, means for impressing a potential on the auxiliary electrode to affect the focussing of ions passing through the space between the slits, means for introducing molecules into the ionization chamber, and means for directing an electron beam against the molecules in the chamber.

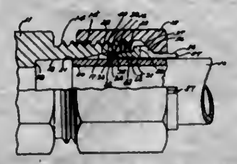
2,472,871
DISPENSING CONTAINER
Marshall I. Williamson, New Haven, Conn.
Application April 17, 1946, Serial No. 662,801
7 Claims. (Cl. 206—42)

1. A dispensing container for unit items, comprising a receptacle shell of flat, substantially rectangular, pocket formation made up of a pair of oppositely disposed, broad side walls joined by top and bottom walls and a front wall; a deep notch formed at the upper, front corner of said receptacle shell, said notch cutting through the upper part of said front wall and into adjacent portions of said broad side walls and said top wall; a bias formed at the upper, rear corner of said receptacle shell opposite said deep notch, said bias cutting across said broad side walls and said top wall, and forming a corner opening in the said receptacle shell; a cover pivoted to said receptacle shell at the top thereof, the pivot axis extending transversely across the top wall of said receptacle shell and being disposed between the said deep notch and the said bias, said cover having its front end formed as a delivery chute which fits into said deep notch and extends longitudinally



therealong between front and rear thereof, normally closing the top of same, said delivery chute having an open, receiving, rear end and an open, discharge, front end, and said cover having its rear end fitting snugly about the said corner opening formed at the upper rear corner of the receptacle shell by said bias, the said rear end of the cover serving to close said opening and being slidable with respect to the defining walls of said opening, but normally extending above such defining walls so as to be depressible under downward pressure exerted upon said rear end of the cover, whereby the discharge end of said delivery chute may be elevated; and an external sleeve snugly covering the said receptacle shell laterally, and normally closing the discharge end of said delivery chute.

2,472,872
FLARELESS TUBE COUPLING
George V. Woodling, Cleveland, Ohio
Application June 20, 1947, Serial No. 755,833
3 Claims. (Cl. 285—122)



1. In a coupling device for a tube, first and second coupling members adapted to be connected together, said first coupling member having a passageway to receive the tube and an internal annular cam surface at the entrance of the passageway, said second coupling member having an inner annular surface terminating in an internal annular clamping shoulder, a contractible sleeve of harder material than the tube and having a bore to receive the tube and comprising a continuous annular body having at its forward

end an outer cam surface for camming into said annular cam surface of the first coupling member, said sleeve having at its forward end on its inner surface an internal substantially V-shaped rib with forward and rearward sides defining a cutting edge to bite into the tube and make a sealing engagement therewith, said sleeve on its inner face having a longitudinally recessed wall extending outwardly from the bore thereof and meeting with the rearward side of the rib to define a relief bore, said sleeve having an external shoulder adapted to be engaged by the clamping shoulder of the second coupling member, whereby when the coupling members are drawn together the outer cam surface at the forward end of the sleeve is cammed into the internal annular cam surface of the first coupling member for forcing the rib into the tube and contracting the recessed wall in substantial alignment with the said bore, said recessed wall on the inner face of the sleeve having a greater length than the rearward side of the rib and meeting with said rearward side of the rib to define a minimum sleeve wall section at a place substantially opposite where the outer cam surface of the sleeve engages the internal annular cam surface of the first coupling member, the wall thickness of the sleeve at said minimum section being sufficiently thin to allow the rib to be cammed inwardly and bite the tube and to permit the recessed wall to be contracted in substantial alignment with the bore.

2,472,873
HAIR DRIER
Myrtle A. Woodrum, Forest Hills, N. Y.
Application February 3, 1945, Serial No. 576,011
5 Claims. (Cl. 34—99)

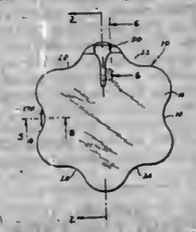
1. In a drier, a cap having a flexible resilient



air distributing manifold adapted to be fastened about the scalp line with the mass of hair to be dried contained within the cap, an insulating casing attached to said cap at the distributing manifold and communicating with the ends thereof, a bellows air supplying unit within said casing, electrical means disposed in said bellows for operating the same and an electrical heater disposed within said bellows for heating the air, said distributing manifold having perforations formed therein on the inner side of the manifold and said cap having an outlet opening on the top thereof for the air admitted through the manifold.

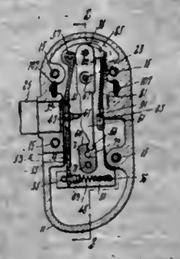
2,472,874
LADY'S PORTABLE POWDER DISPENSER
Philip Wolfers, Valley Stream, N. Y., assignor to Powdermaster Products Inc., New York, N. Y., a corporation of New York
Application November 2, 1944, Serial No. 561,508
2 Claims. (Cl. 132—83)

1. A powder compact comprising an approximately round base, a cover, a hinge to connect the cover to said base, said hinge being disposed adjacent the periphery of the base and having its axis of rotation perpendicular to a line running from the center of the base to the hinge, a spring connected to the cover and base to resiliently urge said cover to open position, a mirror mounted interiorly of said cover, whereby when said compact with its cover open lies in a user's palm and is grasped by the fingers at the periphery of the base on both sides of the hinge and approximately half way between the hinge and the diametrically opposite part of the compact at points about 90° away from the hinge with the center of the base as a reference point, the mirror will be positioned for inspection of the user's features, said base



having opposed peripheral indentations approximately half way between the hinge and the diametrically opposite part of the compact at points about 90° away from the hinge with the center of the base as a reference point, said indentations serving as finger holds, a powder tray in said base, a latch for detachably securing said cover to said base at a point approximately diametrically opposite to the hinge, and a manually operable element disposed in one of said indentations for releasing the latch, said latch-releasing-element being shiftable radially with respect to the center of said base, whereby said latch may be released by pressing against the base of the compact and the latch-releasing-element, the fingers of the hand holding the compact in proper position for use subsequent to opening.

2,472,875
MICROMETER CALIPER
Arthur A. Adams, Brookline, Mass., assignor to Robert G. Morse, Marblehead, Mass.
Application October 10, 1944, Serial No. 557,995
1 Claim. (Cl. 33—172)



In an internal micrometer having a casing and a split expansible calipering plug projecting therefrom, a plunger having a wedge surface for expanding the plug, actuating means for said plunger comprising a pivotally mounted actuating lever connected to the plunger within the

casing, a spring connected to the lever and forcibly urging the plunger in wedging direction to expand the calipering plug, manually-actuatable means engaging the lever for rocking the same in a direction to retract the plunger and contract the calipering plug, indicating means carried by the casing, and actuating and amplifying connections between the plunger and the indicating means, said connections comprising a pivoted amplifying lever in separable contact with the plunger for positive actuation thereby in one direction when the plunger is moved in plug-contracting direction, a spring urging the amplifying lever into contact with the plunger, a short pivoted lever in separable contact with the amplifying lever and adapted to be positively actuated thereby when the amplifying lever is spring-moved in the direction corresponding to plug-expansion, connections between the short lever and the indicating means for actuating the latter responsively to movement of the short lever, and a spring maintaining contact between the short lever and the amplifying lever during normal axial movements of the plunger but permitting separation of said levers upon sudden retraction of the plunger from wedged condition in the plug.

2,472,876
ROTARY DISK KNIFE
Arthur H. Ahrndt and Paul H. Meyer, La Porte, Ind., assignors to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application April 21, 1944, Serial No. 532,052
1 Claim. (Cl. 146—95)

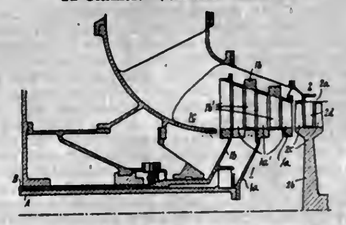


A circular knife for meat slicing machines and the like comprising an outer peripheral thin circular rim having straight, flat, parallel sides extending in a direction perpendicular to the axis of the knife and terminating in a cutting edge, an inner integral section extending from the inner end of the rim at an angle from the plane of the rim and having parallel sides, a dish shaped central portion extending inwardly from the inner section and integral therewith, said central portion increasing in thickness toward its center, and a central circular reinforcing section fixed to the concave part of the central dish shaped portion and conforming in shape thereto and of less diameter.

2,472,877
WASHING CELLULOSE
John William Allquist, Rome, Ga., assignor, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 28, 1944, Serial No. 542,627
3 Claims. (Cl. 8—137)

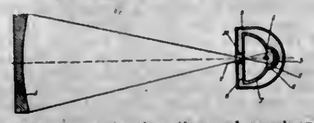
1. The improved method of washing cellulosic fibers to remove calcium, magnesium, sodium and other cations normally found in industrial water and adsorbed or taken up by the cellulose from the water which comprises washing the cellulose with ordinary salt-bearing industrial water acidified with an inorganic acid to a pH of from 2 to 5 to loosen and displace said cations, and then washing out the displaced cations and the acid with demineralized water.

2,472,878
FLUID TURBINE POWER PLANT WITH SPEED REDUCTION TRANSMISSION GEARING
Karl Baumann, Mere, Knutsford, England, assignor to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain
Application January 6, 1944, Serial No. 517,268
In Great Britain April 29, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 29, 1962
11 Claims. (Cl. 253—16.5)



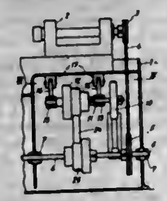
1. A power plant comprising an internal combustion turbine having two mutually-reacting contra-rotational bladed driving elements and a pair of concentric shafts respectively connected to said bladed driving elements, a load shaft, and speed reduction and reversing gearing connecting said concentric shafts with said load shaft including a planetary spider secured to the load shaft, a planet shaft journalled in said spider and operatively connected with said concentric shafts so as to be rotated thereby, a sun wheel geared to said planet shaft, a ring gear wheel geared to said planet shaft, brake means operable to restrain movement of said sun wheel and said ring gear wheel respectively, and means for selectively operating said brake means to stop rotation and then reverse the direction of rotation of said load shaft.

2,472,879
PROTECTIVE DEVICE FOR THERMAL RECEIVERS
André Albert Charles Bayle, Boulogne-sur-Seine, France
Application February 27, 1948, Serial No. 11,674
In France January 2, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires January 2, 1965
6 Claims. (Cl. 250—83)



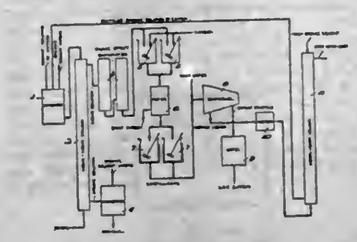
1. Device for protecting thermal receivers, of the class comprising thermoelectric cells, bolometers and the like, from parasitic influences of the temperature, magnetic and electric fields, said device being symmetrical with respect to the receiver axis and consisting of a sealed internal envelope of non-magnetic material enclosing said receiver, and an external outerly polished envelop of magnetic material enclosing and supporting in it said internal envelop, the space between the two envelops being filled up with heat insulating material, said internal envelop including refractive means, cooperating reflective means concentrating the incident thermal rays and sensitive surfaces receiving said concentrated thermal rays.

2,472,880
TRANSMISSION GEAR FOR MACHINE TOOLS
André Bechler, Berne, Switzerland
Application September 20, 1946, Serial No. 698,196
In Switzerland May 3, 1946
5 Claims. (Cl. 74—242.10)



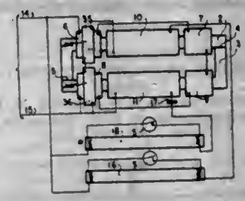
1. In a transmission gear for machine tools, a framework, a drive shaft mounted on said framework, a driven shaft mounted on said framework, a countershaft, wheels on said drive shaft, driven shaft and countershaft, transmission means interconnecting wheels of said drive shaft and said countershaft, other transmission means interconnecting wheels of said countershaft and said driven shaft, a pivot on said framework, a frame carrying said countershaft, suspended on said pivot for rocking and translatory motion in a manner as to allow the distance between said pivot and said countershaft of being changed, a slot on said framework, a slot on said frame, lying across the slot on said framework, releasable locking means going through said slots, allowing in its released condition translatory and rocking motion of said frame and said latter to be locked at any position of said locking means along said slots.

2,472,881
PROCESS OF RECOVERING CAFFEINE
Charles Richard Bender, Teaneck, N. J., assignor to General Foods Corporation, New York, N. Y., a corporation of Delaware
Application June 20, 1946, Serial No. 678,073
8 Claims. (Cl. 260—256)



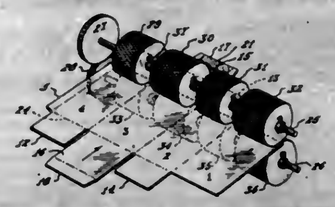
1. A method of recovering caffein from a solution obtained by organic solvent extraction of coffee products which comprises contacting the solution with water to separate the water-insolubles from the water-solubles therein and form an aqueous solution of the latter, recovering the bulk of the caffein from the aqueous solution, contacting the remaining aqueous solution with an organic solvent to separate the other water-solubles from the residual caffein therein and form an organic solution of the latter, and recovering the residual caffein from such solution.

2,472,882
TRANSFORMER
Paul Berger, Chicago, Ill., assignor, by mesne assignments, of one-half to Hirsch Epstein and one-half to Louis R. Duman, both of Chicago, Ill.
Application January 26, 1946, Serial No. 643,664
7 Claims. (Cl. 323—44)



5. A transformer for operating a plurality of glow discharge tubes comprising a core having two opposite side legs connected in a magnetic circuit, a pair of primary coils on each leg, a secondary on each leg between the two primaries on the same leg, the four primary coils being connected in series, each of the secondaries being connected to the primaries in step-up auto transformer arrangement, and each secondary having means for connecting it to one of the tubes, a condenser in series with one of the secondary coils, and an auxiliary coil in series with the other secondary coil and in opposition thereto, said auxiliary coil having less than 10% of the number of turns on said other secondary coil and having closer coupling with one of the primary coils than does said other secondary coil.

2,472,883
METHOD AND APPARATUS FOR PRODUCING CARTONS
Samuel Bergstein, Cincinnati, Ohio, assignor to Robert Morris Bergstein and Frank David Bergstein, trustees
Application September 12, 1946, Serial No. 696,489
11 Claims. (Cl. 93—52)



5. A process of producing protective cartons which comprises providing otherwise completed carton blanks including enclosing body walls in articulation along longitudinal score lines and a glue flap, embossing central portions of body walls of said blank while leaving said blank unembossed in areas adjacent and including said longitudinal score lines a free edge of a wall at one side of the blank and said glue flap, and thereafter tubing said blank by folding with the application of adhesive, and producing pressure on said glue flap and the free edge of said wall in superposition by pressure means acting from the outside of the blank against a rib-like support located interiorly of the tubed blank.

7. In apparatus for the purpose described, parallel shafts, means for driving said shafts in timed relationship, pairs of rotary embossing

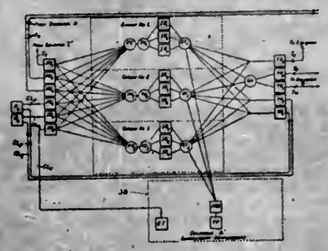
means splined to said shafts to rotate therewith, means for spacing said pairs along said shaft and means for passing carton blanks between the embossing elements of said pairs, the embossing elements of said pairs being configured to form less than continuous bands of embossings, and said means for passing carton blanks therebetween comprising timed conveyor apparatus.

2,472,884
CUSHIONING ATTACHMENT FOR GAME TABLES
Leonardo Colaluca, Somerville, N. J.
Application September 24, 1947, Serial No. 775,887
1 Claim. (Cl. 273—136)



A cushioning attachment for a game table comprising a metal base strip having turned down end portions, set screws in the end portions for fixing the attachment to a game table, a wood piece connected to the top of the metal strip, rubber cushioning elements disposed on opposite sides of the wood piece and a covering extending about the wood piece, the strip, and the cushioning elements and having its meeting edges extending along the longitudinal center line of the wood piece and a top plate fitted over the meeting edges of the covering and extended outwardly over the cushioning elements to retain the covering and cushioning elements in place, said top plate being secured to the wood piece, and the opposite ends of the wood piece being recessed and the covering following the contour of the recesses, angle members fitted over the covering and the wood piece at each end of the wood piece and received in the recesses to provide a smooth surface for the reception of the top plate and means for securing the angle members to the wood piece.

2,472,885
AUTOMATIC MULTIPLE STAGE TELEGRAPH SYSTEM
Howard D. Colman, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application July 19, 1946, Serial No. 346,285
174 Claims. (Cl. 178—4)



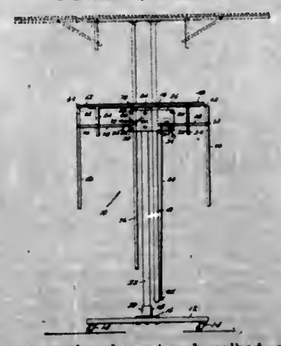
1. The method of automatically transferring a telegraph message from a calling subscriber's station to a called subscriber's station through a central exchange which comprises, establishing a transmission path from the calling station to the exchange, transmitting over said path a series of signals representing the body of the message and indicating its destination, storing the signals at the exchange, releasing the transmission path, thereafter establishing a retransmission path to the called station under control of a signal or signals indicating the destination of the message, discarding said signal or signals incident to said control, and automatically transferring the remainder of the signals over the retransmission path.

2,472,886
TURBINE BLADE LASHING
Joseph D. Conrad, Springfield, and William H. Lloyd, Philadelphia, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 1, 1946, Serial No. 707,244
3 Claims. (Cl. 253—77)



2. In combination, a plurality of forged blades of a moving row and lashing means for connecting the blades; said lashing means comprising lashing structures connecting adjacent blades, each lashing structure including projections which are forged integrally with the blades as the latter are forged and extending from convex and concave blade faces so that their outer ends adjoin approximately midway between the blades and the outer projection ends being slanted, relative to the plane of blade rotation, generally in the same direction as the slant, relative to said plane, of the blade chord passing through the inlet and outlet blade edges at the projection blade section and a weld joint for connecting the slanted projection ends, said projections tapering from the blade faces to the joint.

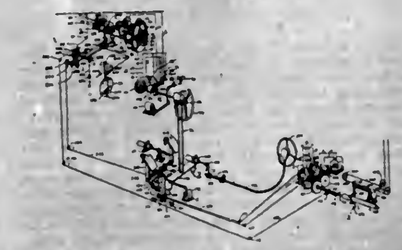
2,472,887
PLASTERBOARD HOIST
Aaron Franklin Core, Sacramento, Calif.
Application July 12, 1946, Serial No. 683,075
1 Claim. (Cl. 304—9)



A device of the character described, comprising a base, a standard secured to the base at the center thereof, parallel plates secured to the top of said standard, a sleeve intermediate said plates, a second standard slidably mounted in said sleeve, means for mounting a table on said second standard, leaves pivotally mounted on the opposite

ends of said table, means carried by said leaves and means carried by said table cooperating with said first means to retain said leaves in raised position, a vertically inclined rack secured to the undersurface of said table, arcuate slots provided in said plates in opposed relation to each other, means carried in said slots and engageable with said rack to retain said table in elevated position above said base, a lever pivotally mounted intermediate of said plates and engageable with said last means to release it from engagement with said rack to permit said table to be lowered and means for raising said second standard mounted intermediately said plates.

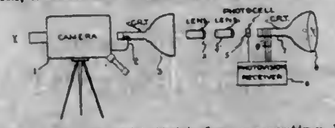
2,472,888
APPARATUS FOR TRAINING PILOTS AND OTHER AIRCRAFT PERSONNEL
James M. Cunningham, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 21, 1945, Serial No. 579,009
4 Claims. (Cl. 35—12)



1. In a training apparatus of the character described, in combination, an artificial horizon indicator and ball bank indicator, the horizon indicator comprising a rock shaft mounted for turning movements about a horizontal axis, a dial face carried at the forward end of said shaft and rotatable with the shaft, a movable artificial horizon positioned in front of said dial face in close proximity thereto and spanning the same, means operatively connecting said horizon and shaft whereby turning movements of the horizon in either direction will cause tilting movements of the shaft, said ball bank indicator comprising a stationary dial face, an arm mounted for swinging movements about a horizontal axis, a visible disc carried at the lower end of said arm and cooperating with said latter dial face, and means operatively connecting said arm and rock shaft whereby movement of the shaft will cause displacement of said disc relative to said last mentioned dial face.

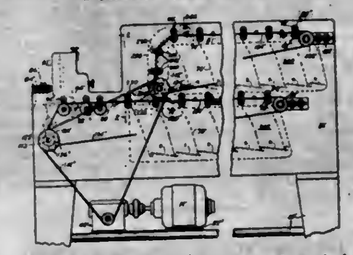
2,472,889
PHOTOVISION
Allen B. Du Mont, Upper Montclair, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application December 17, 1946, Serial No. 716,846
4 Claims. (Cl. 178—5.6)

1. A television system comprising a transmitter having a television pick-up tube, a video amplifier connected thereto for amplifying the signal produced therein, horizontal and vertical sweep circuits connected to said tube to control electron beam scanning therein and horizontal and vertical synchronizing pulse generating circuits connected to said amplifier and producing a composite signal therefrom, a cathode ray tube connected to said transmitter and having a fluorescent screen, the cathode ray beam thereof being modulated by the output of said transmitter and following a unidirectional and non-scanning line to said screen producing light modulated by said signal, a receiver comprising a light pick-up tube



in the path of said light for converting light energy into electrical energy, a video amplifying circuit connected to said tube for amplifying the electrical signal therefrom, synchronizing and separator circuits connected to said amplifier and a cathode ray tube connected to and controlled by said receiver circuits for presenting a television image.

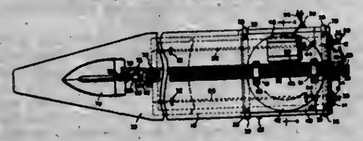
2,472,890
MACHINE FOR SORTING RECORD CARDS
Eugene A. Ford, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 16, 1947, Serial No. 748,426
4 Claims. (Cl. 271—64)



1. In a sorting machine for record cards having index points, a machine framework including a front plate, a rear plate, a plurality of upper card supporting members extending transversely of the machine in alignment and spaced relationship between said plates adjacent the top thereof, said members defining by their upper surfaces an upper card path, and a plurality of lower card supporting members extending transversely of the machine in alignment and spaced relationship between said plates in the medial regions thereof and likewise by their upper surfaces defining a lower card path, an upper set of card receiving pockets disposed between said upper and lower card supporting members and communicating with the spaces existing between adjacent upper card supporting members, a lower set of card receiving pockets disposed beneath said lower card supporting members and communicating with the spaces existing between the adjacent lower members, a plurality of upper card chute blades resting on the upper surfaces of said upper card supporting members, each blade forming therewith a card passage to one of said upper set of card receiving pockets, a plurality of lower card chute blades resting upon said lower card supporting members, each of said latter blades forming therewith a card passage to one of said lower set of card receiving pockets, the forward regions of said blades converging and

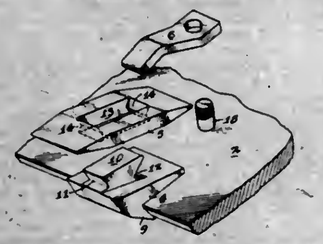
terminating in a common plane, a plurality of additional card supporting members extending transversely of the machine between said plates and defining by their upper surfaces a common card path in the plane of the forward ends of said blades, and means for feeding record cards to said blades along said latter plane.

2,472,891
ELECTRIC IRONING MACHINE
Fred T. Fuge, Fostoria, Ohio
Application January 4, 1946, Serial No. 639,135
1 Claim. (Cl. 38—26)



A device of the character described, comprising an ironing board, a supporting frame for said ironing board, a substantially square shaped plate supported on said frame above said board in spaced relation thereto, a circular plate rotatably mounted at the center of said square shaped plate, means for retaining said circular plate on said square shaped plate, a motor mounted on said circular plate, a gear secured to the shaft of said motor, an arm mounted on said circular plate for sliding movement in relation thereto, hangers secured to said circular plate for retaining said arm thereon, a rack on said arm meshing with said gear, a universal joint on the forward end of said arm, an iron, a pivotal connection on said iron adapted to be connected to said universal joint, a knee switch on said frame for controlling said motor whereby said iron is moved along said ironing board, and means is secured to said board and said frame so that said board is movable longitudinally thereof with relation to said frame.

2,472,892
DIGGING TOOTH FOR EXCAVATING BUCKETS
Robert E. George, Columbus, Ohio
Application August 20, 1947, Serial No. 769,639
4 Claims. (Cl. 37—142)



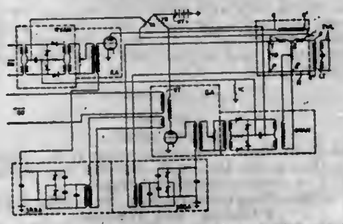
1. A digging tooth attachment for excavating buckets or the like, comprising a holder having a tooth supporting surface with a boss projecting therefrom, a tooth having a digging nose portion of duplicate shape at each end and having a central opening for receiving said boss and permitting the tooth to rest at a side thereof on said supporting surface, the front and rear end walls of said opening being of duplicate form, said tooth being reversible both transversely and lengthwise on said holder, said end walls of the opening and the front end wall of said boss each having a V portion with that of the boss complemental to that of each of the opening end walls, with the apex line of the latter disposed centrally between the boss sides of the tooth, whereby either end wall of the opening may be interengaged with the front end wall of the tooth opening, and means engageable with the rear end portion of the boss and with the portion of the tooth at the rear thereof to hold said interengaging front portions in engagement and to hold the tooth to said supporting surface.

2,472,893
TWIN FINGER RINGS
Jules Gerson, New York, N. Y.
Application November 10, 1945, Serial No. 59,369
4 Claims. (Cl. 63—16)



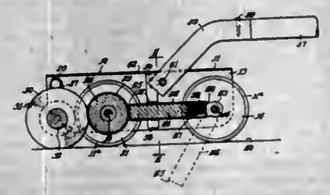
1. In a twin finger ring combination of the class described, a ring with an ornamental setting, a male locking element on said setting and projecting laterally from the ring, said locking element having undercut side edges, a protuberance formed centrally on said locking element and extending outwardly therefrom, said locking element being relatively thin to permit a flexing thereof under pressure and a companion ring with an ornamental setting containing a female locking element comprising an undercut channel substantially fitting said side edges of the male locking element, the base of the channel being apertured and proportioned to receive said protuberance, whereby the protuberance will extend into such aperture when the two rings are operatively locked by the walls of the channel and said side edges of the male locking element.

2,472,894
ECHO SUPPRESSOR
Charles Gillings, Liverpool, and Percy Edward Alexander Cowley, Coventry, England, assignors to Automatic Telephone & Electric Company Limited, Liverpool, England, a British company
Application September 15, 1943, Serial No. 502,548
In Great Britain November 14, 1942
3 Claims. (Cl. 178—44)



1. For use in telecommunication systems a terminating differential echo suppressor comprising go and return paths, a variable attenuation network in each of the paths, a signal rectifier associated with each path for varying the attenuation of each network under the control of signal currents in the opposite path, a two-wire line, a four wire/two wire hybrid transformer transferring signal currents from the return path to said two-wire line, means for deriving a signal current at one point in said circuit responsive to signal currents incoming over said two wire line, means for feeding said incoming signal currents to the go path, a balancing resistance associated with the hybrid transformer, and means connecting the input circuit of the signal rectifier of the go path across said balancing resistance to derive a control current from said balancing resistance to produce increased attenuation in the go path so as to prevent a signal incoming over the two wire line at a time when the echo suppressor is biassed in favor of an incoming signal over the return path from maintaining this bias against itself.

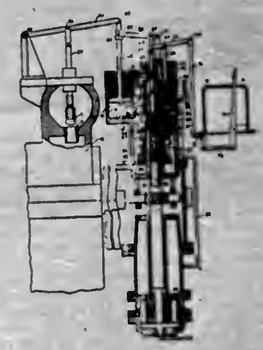
2,472,895
FLOOR WAXING AND POLISHING DEVICE
James Gordon, Chicago, Ill.
Application April 4, 1945, Serial No. 587,556
5 Claims. (Cl. 91—40)



1. In a floor waxing and polishing device, the combination comprising a frame, a pair of wheels for the frame adapted to contact the floor, a roller carried by the wheels, a rotary brush axled in the frame in brushing contact with said roller and adapted also to contact the floor, a driven element on the brush axle, a driving element on the wheels' axle in engagement with the driven element to drive the brush, carrier means pivoting on and supported by the frame for receiving a bar of wax, the distal end of said carrier means being adapted to swing into proximity with said roller, a spring carried by the carrier means and adapted to urge the bar of wax through the distal end of the carrier means into contact with the roller, a detent carried by the frame for retaining the carrier means in the last mentioned position, and a handle attached to the frame.

2,472,896
CONTROL APPARATUS
Manious Gottlieb, Philadelphia, and Frank A. Meyer, Sharon Hill, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 26, 1945, Serial No. 601,672
4 Claims. (Cl. 137—158)

1. In mechanism for limiting the extent of opening of the admission valve of a prime mover to limit the flow of motive fluid thereto, an operating piston mechanically connected to the valve, a cylinder for the piston, a relay movable in opposite directions from neutral position to control the admission and exhaust of motive fluid to and from the cylinder at opposite sides of the piston, follow-up mechanism including a member movable in the direction of movement of the relay and in fixed relation to the operating piston and admission valve and a spring interposed between the follow-up member and the relay for exerting force on the latter, a governor responsive to speed of the prime mover for exerting force on the relay in opposed relation to that of the spring, means including the follow-up member to hold the relay in neutral position against movement in a direction for wider opening of the admission valve while providing for movement thereof by the governor in the other direction to move the admission valve in a closing direction, and manual means for adjusting the last-named means to vary the extent of maximum opening of the admission valve.



2,472,897
XYLYL TRICHLOROTHIOLACETATE
Alban Thomas Hallowell, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 19, 1945, Serial No. 617,441
1 Claim. (Cl. 260—455)

Xylyl trichlorothiolacetate.

2,472,898
LOOSE-LEAF BINDER
Ernest Hazel, Jr., St. Louis, Mo.
Application November 5, 1945, Serial No. 626,655
1 Claim. (Cl. 129—23)



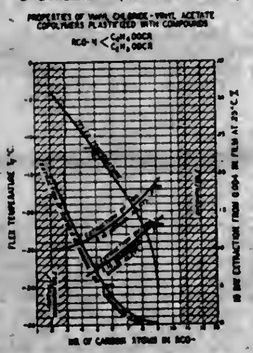
A loose-leaf binder of the kind described comprising a pair of overlapped covers; a sheet holding metal assembly mounted on the covers at their overlapped portions; and common means for securing together the overlapped covers and the metal assembly, one of said covers being relatively stiff and provided with a marginal groove thereacross, the other cover being fitted into the groove, said metal assembly being on top of the other cover along the area thereof fitted into the groove, the cover fitted into the groove being flexible and rebent upon itself over the metal assembly and over one side of the cover having the groove formed therein, the said groove being substantially as deep as the thickness of the flexible cover and one member of the metal assembly whereby to present a smooth planar surface for sheets when placed in the binder.

2,472,899
SANDING AND FINISHING TOOL
Clarence A. Hein, Denver, Colo.
Application October 6, 1947, Serial No. 778,236
2 Claims. (Cl. 51—187)

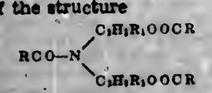


1. A sanding tool comprising, a rigid handle portion terminating at one end in a substantially rectangular base, brackets extending upwardly from the base adjacent its connection with the handle, an abradant carrying cover pivotally connected with the brackets near their upper ends, a brace plate interconnecting the brackets, said plate terminating a distance below the pivot slightly greater than the distance from the pivot to the rear surface of the plate, the upper rear corner of the pivoted member being in the plane of the rear surface of the plate when the parts are in operative position, the upper rear corner of the cover moving in an arc of a circle when the member is moved to open position, whereby its distance from the lower edge will decrease, and a strip of abradant in roll form positioned in the cover, said strip passing over the pivot thence underneath the brace plate and up over the rear corner of the cover, thence along the outer surface of the cover to the free end thereof.

2,472,900
VINYL CHLORIDE RESINS PLASTICIZED WITH DIESTER-AMIDES
Franklin Johnston and William H. Hensley, St. Albans, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
Original application May 1, 1946, Serial No. 666,439. Divided and this application August 27, 1947, Serial No. 770,884
5 Claims. (Cl. 260—31.2)

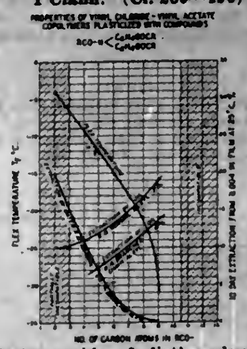


1. A plastic composition comprising a vinyl resin predominantly composed of vinyl chloride polymerized therein intimately combined with a plasticizer of the structure

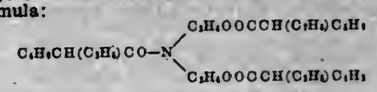


where R_1 is a radical of the group consisting of hydrogen and methyl, and R is an alkyl radical containing from 2 to 8 carbon atoms which is identical in all three positions.

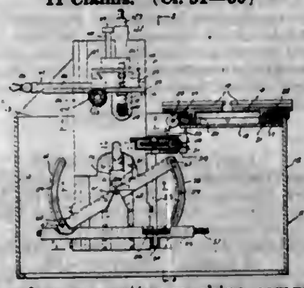
2,472,901
2,2'(2-ETHYLHEXANAMIDO)DIETHYL DI(2-ETHYLHEXANOATE)
Franklin Johnston and William H. Hensley, St. Albans, W. Va., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application May 1, 1946, Serial No. 666,439
1 Claim. (Cl. 260—490)



The diester-amide of diethanolamine and 2-ethylhexanoic acid, such diester-amide being a high-boiling liquid effective as a plasticizer for vinyl chloride resins and having the structural formula:



2,472,902
CAM MAKING MACHINE
George X. Johnston, St. Clair, Mich.
Application July 15, 1947, Serial No. 760,973
11 Claims. (Cl. 51—50)



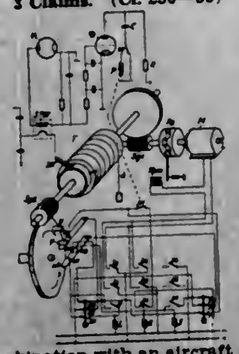
9. A surface-generating machine, comprising a support, a face plate rotatably mounted on said support, means for clamping a work piece to said face plate, a carriage on said support, a tool, means for securing said tool to said carriage, a profiling follower guide reciprocable on said support, means for adjusting said guide for defining a plurality of profiles, means for simultaneously rotating said plate and reciprocating said follower guide, a follower engageable with said guide and reciprocable thereby, and settable means operatively associated with said follower for moving said carriage in axial and normal planes relative to the axis of said face plate in response to reciprocating movement of said follower.

2,472,903
EXTENSION TABLE CONSTRUCTION
Richard Kamholtz, New York, N. Y.
Application March 13, 1947, Serial No. 734,350
6 Claims. (Cl. 211—52)



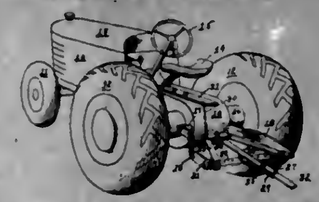
1. In a table, in combination, a framework comprising a pair of grooved side rails, a table top mounted on said framework, and means providing for rotational and translatory movement of said top with respect to said frame, said means comprising a tongued member having the shape of a 90° circle arc mounted on the underside of said table top and extending from one edge of the top towards the center said arc having a radius substantially equal to the distance between said side rails, a second tongued member extending radially inwardly from the said edge of the table and terminating adjacent the end of said arcuate member said second tongued member also having a tongue across its end, said two tongued members interfitting with the grooves in said side rails.

2,472,904
TRANSMITTING ANTENNA WITH AUTOMATIC TUNING, PARTICULARLY FOR AIRCRAFT WIRELESS
Hans Kappeler, Soleure, Switzerland, assignor to the firm Autophon Aktiengesellschaft, Soleure, Switzerland, a joint-stock company of Switzerland
Application January 20, 1945, Serial No. 573,702
In Switzerland December 24, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 24, 1963
3 Claims. (Cl. 250—33)



1. In combination with an aircraft radio transmitter having frequency tuning means, a trailing antenna connected with the output of the transmitter, a reel for the antenna, a reversible motor for rotating the reel to reel the antenna in and out, switching means activated by tuning of the transmitter to supply power to said motor for reeling the antenna out, switching means activated by the reeling of the antenna out to a predetermined limit for reversing the direction of rotation of the motor to reel the antenna in, a current transformer having its primary winding connected in series with the transmitter output, a trip circuit connected with the secondary of said transformer and responsive to changes in the amperage of antenna current and a relay operable by said trip circuit to cut off power from said motor to stop the reel upon passage of the antenna current amperage through a maximum value.

2,472,905
TRACTOR HITCH
John C. Kam, Ravenna, Mich.
Application June 18, 1945, Serial No. 600,151
5 Claims. (Cl. 280—33.44)



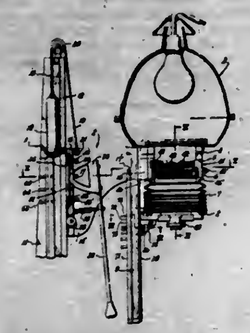
1. A tractor hitch comprising a pair of spaced arms, each adapted to be secured to a tractor at one end of each; a cross bar rotatably secured between the opposite ends of the arms; a pair of radius bars disposed between the arms fixedly secured together adjacent one of their respective ends and spacedly fixedly secured adjacent their opposite ends to the cross bar; and a draw bar pivotally secured to and between the radius bars.

2,472,906
STRETCHING DEVICE FOR THE HEEL WIRE OF SKI TIES
Alvar Eskil Petrus Kjellström, Stockholm, Sweden
Application February 4, 1947, Serial No. 726,290
In Sweden February 19, 1946
2 Claims. (Cl. 280—11.35)



1. Ski-tie having a heel wire and toe supports and provided with a stretching device for the heel wire located in front of said toe supports, and comprising an attachment plate, a stretching arm pivoted in said attachment plate, a fastening member provided with at least one attachment member for the heel wire and so pivoted in said stretching arm that said fastening member is displaced forward by swinging the stretching arm downwards and forwards, a cover plate pivoted in said stretching arm in front of the attachment member for the heel wire covering said attachment member in operative position, said cover plate being provided with an extension projecting beyond its journalling place on the stretching arm, said extension being so formed that when the stretching arm is brought to its operative position, said extension will come into contact with the attachment plate and thereby forcibly hold the cover plate in the position covering the attachment member for the heel wire.

2,472,907
FOCUS AND MAGNIFICATION INDICATOR FOR PHOTOGRAPHIC ENLARGERS
Mark T. Kolesnikoff, Los Angeles, Calif.
Application August 12, 1945, Serial No. 610,451
4 Claims. (Cl. 88—24)



1. In a photographic enlarging device including a fixed vertical support, a vertically movable bracket on said support, and an enlarging camera on said bracket, said camera including a vertical guide and a lens mount movably positioned thereon, the combination of: a series of switch-actuating points on the vertical support, said switch-actuating points being vertically spaced with respect to a fixed enlarging plane and correlated to a series of different magnification; a switch carried by the bracket and provided with an arm arranged to be moved by any one of the switch-actuating points to close the switch; an electrical circuit including the switch-actuating points and switch and an indicator, said circuit being energized when said switch is closed; a series of terminals on the vertical guide, each thereof electrically connected to one of the switch-actuating points; and a shunt circuit including a signal element and a movable terminal, the movable terminal being carried by the lens mount whereby said signal element is energized only when the bracket and the lens mount are in correlated positions both as to desired magnification and focus for such magnification.

2,472,908
PROCESS FOR TREATING A HYDROCARBON MIXTURE WHICH IS CONTAMINATED BY SMALL AMOUNTS OF ORGANIC FLUORINE COMPOUNDS
Carl B. Linn, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 26, 1947, Serial No. 776,424
6 Claims. (Cl. 260—683.4)

1. A process for treating a hydrocarbon material containing as an impurity a relatively small percentage of organically combined fluorine to remove fluorine therefrom which comprises contacting said hydrocarbon material at defluorinating conditions of temperature and pressure with a substantially anhydrous liquid complex of boron trifluoride and an oxygen-containing organic compound selected from the group consisting of alcohols, ethers, carbonyl compounds, carboxylic acids, their anhydrides and esters, and recovering the treated hydrocarbon material.

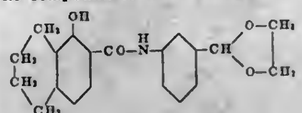
2,472,909
FIRELESS BROODER
Nels Lundstrom, Almont, N. Dak.
Application March 23, 1945, Serial No. 584,305
3 Claims. (Cl. 119—33)



1. In a brooder of the fireless type, the combination which comprises a relatively shallow rectangular shaped frame having spaced side walls with vertically disposed gate receiving grooves in the inner surfaces and spaced from the ends thereof, ventilating openings spaced from the lower edges, and spaced parallel horizontally positioned longitudinally extended bars providing tracks on the inner surfaces, said bars having arcuate upwardly extended ends whereby the tracks extend upwardly at the ends, gates slidably mounted in the grooves in the ends of the side walls, transversely disposed rods extended through the said side walls maintaining the walls in upright position, a plurality of spaced slots extended across the frame with the end thereof positioned to travel in the tracks between the bars, a web providing a protecting covering carried by the slats and extended continuously across the frame and from end to end thereof to substantially seal the lower part of the frame, and upwardly bowed rods positioned above the frame and carried thereby, said rods positioned with the ends thereof at one end of the frame spaced from the gate at that end of the frame and positioned to coact with the ends of the tracks to receive the said web and temporarily support the web above the frame.

2,472,910
TETRAHYDRO-1-HYDROXY-2- AND -3-NAPHTHAMIDOBENZALDEHYDES AND THEIR ACETALS WITH LOWER ALKANOLS AND 1,2- AND 1,3-ALKANEDIOLS
Elmore Louis Martin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 8, 1948, Serial No. 19,871
4 Claims. (Cl. 260—338)

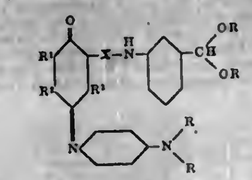
3. The compound of the formula:



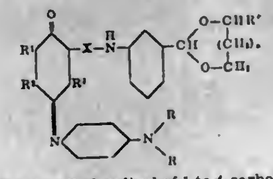
2,472,911
QUINONEIMINE DYES FROM HYDROXYBENZAMIDOBENZALDEHYDE AND HYDROXYBENZSULFAMIDO-BENZALDEHYDE ACETALS OF LOWER ALKANOLS AND 1,2- AND 1,3-ALKANEDIOLS
Elmore Louis Martin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 9, 1946, Serial No. 20,100
5 Claims. (Cl. 260—336)

1. The quinoneimine compounds taken from

the group consisting of compounds of the formula:



and



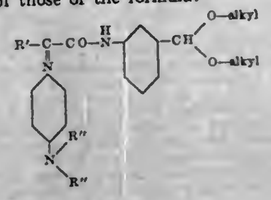
where R is an alkyl radical of 1 to 4 carbon atoms, R^1 is a member taken from the group consisting of hydrogen, alkyl of 1 to 4 carbon atoms and allyl, R^2 is a member taken from the group consisting of hydrogen and alkyl radicals of 1 to 4 carbon atoms, R^3 is a member taken from the group consisting of hydrogen and chlorine, R′ is taken from the group consisting of hydrogen and methyl, n is a number taken from the group consisting of 0 and 1, and X is a member taken from the group consisting of —SO_2— and —CO—.

2,472,912
METHOD OF DRYING ALCOHOLS
William S. W. McCarter, Bala-Cynwyd, Pa., assignor to Attapulgus Clay Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 22, 1945, Serial No. 637,109
6 Claims. (Cl. 210—42.5)

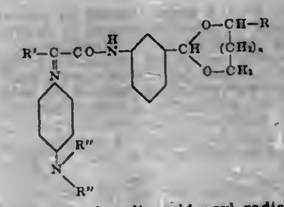
1. A method for drying alcohol containing water, which comprises intimately contacting said alcohol at a temperature above its freezing point but below 100° F. with an argillaceous adsorbent which has been thermally activated between 400° F. and 1200° F., at a space velocity of not more than 0.2 volume of alcohol per volume of adsorbent per hour.

2,472,913
AZOMETHINE DYES FROM ACYLACETAMIDOBENZALDEHYDE ACETALS
David Malcolm McQueen, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 17, 1948, Serial No. 21,761
6 Claims. (Cl. 260—338)

1. The compounds taken from the group consisting of those of the formula:



and



where R′ is a carboxylic acid acyl radical of 2 to 11 carbon atoms, R″ is an alkyl radical of 1 to 4 carbon atoms, alkyl contains 1 to 4 carbon atoms, R is taken from the group consisting of hydrogen and methyl and n is a number taken from the group consisting of 0 and 1.

2,472,914
SAFETY APPARATUS
Stanley M. Mercier, Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio
Application August 19, 1944, Serial No. 550,260
9 Claims. (Cl. 198—232)

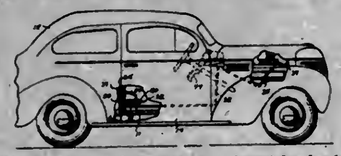


1. Conveyor mechanism including a drive shaft, means including a conveyor chain driven by said shaft, take-up means associated with said chain to take up the slack therein, mechanism including a cylinder and a piston, the latter being movable by said take-up means as it changes position, means associated with said cylinder and piston to provide for their relative movement when said piston moves slowly relative to said cylinder in response to gradual changes of the chain length while preventing rapid relative movement between said piston and cylinder, means mounting said cylinder for free movement by rapid movement of said piston, and control mechanism operated by movement of said cylinder.

2,472,915
HAND BRAKE LEVER CONTROLLED DOOR LOCKING DEVICE
Charles L. Miller, Altoona, Pa.
Application January 22, 1947, Serial No. 723,485
1 Claim. (Cl. 180—82)

In a lock adapted to be attached to an automobile having a door within a door frame and wheel brakes, the combination of a tubular housing adapted to be secured to the door, a rod reciprocally mounted in said tubular housing and adapted to engage a recess in the door frame to

lock the door, a piston means on said rod and mounted for sliding movement in said housing, a spring means about said rod bearing against said housing and piston means for biasing said rod into said housing and out of the door frame recess, conduit means attached to one end of said housing and adapted to be connected to a suction means, a valve body in said conduit means, a valve in said body for controlling communication between said housing and the suction means



through said conduit means, a hand brake lever for actuating the wheel brakes, means connecting said hand brake lever with said valve body whereby actuation of said hand brake lever to set the brakes will move said valve to cause the suction means to withdraw said rod from the door frame recess to free the door for opening movement, and a tube connecting the other end of the housing to the atmosphere, said tube also being adapted to receive lubricant for lubricating the piston means.

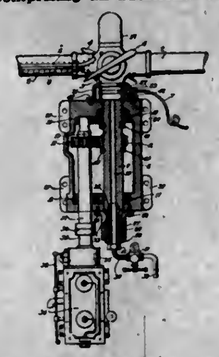
2,472,916
ELECTROMAGNETIC CHECKERBOARD
James M. Moon, Graham, N. C.
Application October 8, 1945, Serial No. 620,895
3 Claims. (Cl. 273—136)



1. In a game apparatus including a playing surface divided into a plurality of squares, a magnetic unit located under each of the squares and including a vertically extending coil adapted to be optionally energized and a vertical slidable core movable to a raised position in the coil when the latter is energized to a position immediately under the playing surface for attracting the game piece on the surface to a position over the magnetic unit.

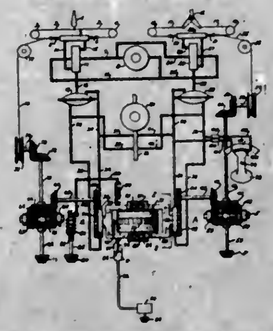
2,472,917
ROTARY AIRCRAFT ATHODYD MOTOR
Boris A. Nicolaeff, Montreal, Quebec, Canada
Application January 24, 1948, Serial No. 4,162
3 Claims. (Cl. 170—135.4)

1. A rotary aircraft athodyd motor, operating by the force of reaction of high speed jets comprising rotating aero-thermodynamic ducts, radial arms, each duct mounted on the end of an individual arm, with the ducts disposed at the right angles to their respective arms, a shaft, a hub, the individual arms being connected to and fastened to said hub, each of the said ducts having a fuel injector and ignitor plug, with fuel feed pipes and ignition wires running along their respective arms, a fuel feed system to feed the duct's injectors comprising a passage for fuel, bored along the entire length of the shaft, a conical cavity on the end of the shaft and a spring-actuated fuel feed plug with adjustable tension, a support for said plug comprising, a slotted partition to hold said plug in stationary position, the end of said fuel plug engaging the conical cavity of the shaft to establish continuous connection between them, a fuel control valve to control the flow of fuel to the injectors, a case with bearings to hold the shaft and fuel feed support, and means to start the shaft in rotation comprising an additional shaft coupled



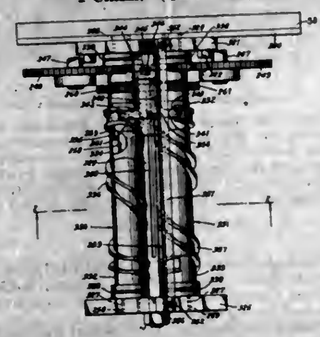
to the hub shaft by means of two gears, said additional shaft operated by an auxiliary starting motor equipped with a clutch, spark plugs, an insulated slip ring on the shaft, near the hub, and a sliding brush in contact with the said ring to connect the ignition system to the spark plugs.

2,472,918
AIRCRAFT BANK AND TURN CONTROL SYSTEM
Carl G. Nyman, Shaker Heights, Ohio, assignor, by mesne assignments, to Jack & Heints Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application August 23, 1944, Serial No. 550,841
9 Claims. (Cl. 244—79)



1. In an automatic pilot for an aircraft having a rudder and aileron, servos for driving said rudder and aileron, a single gyro and a single axis gimbal therefor to constrain the gyro to one degree of freedom, a rudder pick-off and an aileron pick-off mounted on said gimbal axis to be operated by said gimbal in its single plane movements, separate manual means for operating each of said pick-offs for aileron and rudder trim independently of each other and said gimbal and separate means for adjusting said gimbal to jointly operate both of said pick-offs to jointly energize both of said servos to initiate a combined rudder and aileron operation for effecting a predetermined rate of turn.

2,472,919
MECHANICAL MOVEMENT
Robert E. Paris, Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application April 21, 1943, Serial No. 483,877. Divided and this application March 13, 1946, Serial No. 654,106
1 Claim. (Cl. 74—58)



In a mechanical movement, two cylindrical cam members mounted to revolve on parallel axes, each of said members having a spiroidal cam on its surface, a traveler having cam follower means engageable alternatively with said cams, said cams having middle portions disposed so as to move said traveler in opposite directions and end portions at each end disposed so as to move said traveler in the same direction, and means to move said traveler, while traveling in one of said end portions, so that its follower means are gradually disengaged from one cam member and engaged with the other cam member, and to move said traveler, while traveling in the other of said end portions, so that its follower means are gradually disengaged from said other cam member and engaged with said first cam member.

2,472,920
FOLDING SLED
Richard G. Peenstra, Utica, N. Y.
Application December 15, 1947, Serial No. 791,687
8 Claims. (Cl. 280—20)



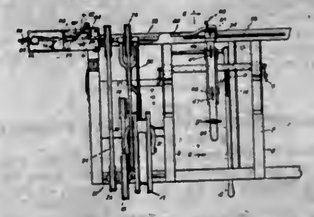
6. In a sled of the class described, having an elongated body comprising half sections hinged together to be folded into parallel relation, side runners for said sections swingably mounted thereon to fold toward the same substantially parallel therewith, and means operative by such folding of said sections to fold said runners.

2,472,921
CUP POSITIONING APPARATUS
Anthony A. Quimper, Westfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 21, 1947, Serial No. 756,280
2 Claims. (Cl. 225—21)



1. In a beverage dispensing apparatus, means for positioning a single paper cup beneath a dispensing nozzle when it is dropped from a stack of cups through a chute to a position below the nozzle, said means comprising a platform on which the cup is received, guide means partially encircling the cup, and yieldable means disposed in front of the cup in its dropped position and against which the cup may strike to assume a normal beverage receiving position, said yieldable means comprising a horizontal disposed relatively narrow member having an inner end fixedly attached to a surface adjacent the discharge end of the chute and an outer unattached end disposed just beyond the vertical center line of the cup when the cup is in its normal beverage-receiving position.

2,472,922
LAWN MOWER GRINDER
John T. Russell, Oklahoma City, Okla.
Application April 7, 1947, Serial No. 739,798
2 Claims. (Cl. 51—59)



1. In a power operated machine for grinding the blades of a rotary lawn mower having a traction wheel rotatable with the blades, the combination with a main frame, means for rigidly mounting a mower in the frame, and power transmission for revolving the blades, of a reciprocal carrier mounted in the frame and a power actuated screw bar operatively engaging said carrier for reciprocating the carrier, a grinding tool mounted in the carrier in fixed relation thereto and disposed transversely of the blades

for contact therewith, means for holding the tool to its work, a track on the frame parallel to, and below, the line of travel of the carrier and a roller adjustably secured to said carrier and engaging in said track for guiding and supporting the reciprocating tool, and said power transmission mechanism comprises an operating wheel in frictional engagement with said traction wheel, a drive frame having a pivoted support in the main frame and a shaft journalled therein for the operating wheel, and resilient means co-acting with the drive frame for holding the operating wheel in operative relation to the traction wheel.

2,472,923

METHOD FOR STRIKING THE WELDING ARC IN AUTOMATIC ELECTRIC-ARC WELDING MACHINES

Raoul Jean Schmerber, Uccle, Belgium, assignor to La Soudure Electrique Autogene, Societe Anonyme, Brussels, Belgium

Application November 18, 1946, Serial No. 710,458
In Belgium November 22, 1945
7 Claims. (Cl. 315—60)



1. In a method for striking a welding arc in automatic electric arc welding machines using a metal electrode consisting in short-circuiting between the metal end of said electrode and the part to be welded, a fuse which is provided on said end, the use of a fuse comprising an iron body and at least a chromic acid compound forming, by a temperature elevation, with the iron of said body a compound having high heat formation and thereby producing an initial ionization of the space between the metal of said electrode and the part to be welded.

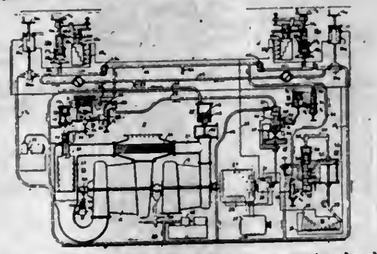
2,472,924

ELECTRIC DRIVE FOR GAS TURBINE LOCOMOTIVES

Anthony F. Schwendner, Ridley Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 12, 1946, Serial No. 640,837
10 Claims. (Cl. 290—2)

1. The combination with a gas turbine plant wherein a turbine drives a compressor, wherein fuel is supplied to a gas generator furnished with air from the compressor to support combustion of the fuel and to admix with the products of combustion to form gaseous motive fluid supplied to the turbine, and wherein the turbine drives a generator which energizes one or more motors connected to propelling means; of manually controllable apparatus for controlling the input of fuel to the gas generator and the excitation of the electric generator so that both the fuel input and the electric generator excitation are increased for increase in propulsion speed, said apparatus including means for retarding increase in excitation in relation to increase in fuel input to provide for temporary increase in turbine power in relation to electric generator load to accelerate the turbine and compressor and thereby hasten the increase in the quantity of air required for the increased fuel input to avoid excessive temperature rise of the gaseous motive fluid supplied from the gas generator to the turbine.

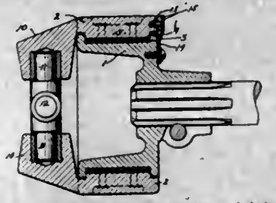


2,472,925

OVERLOAD OR FIXED LOAD CLUTCH

Charles B. Spase, Nedrow, N. Y., assignor to Lipe-Rollway Corporation, Syracuse, N. Y., a corporation of New York

Application September 7, 1944, Serial No. 552,962
2 Claims. (Cl. 64—30)



1. An overload clutch including driving and driven members having coacting friction faces concentric with the axis of the clutch, one of said members being composed of opposed arcuate sections, and spring clamping means for clamping the sections together to create a predetermined amount of friction between the friction faces of the members, said members having means for interfitting to hold the same from relative axial movement, diametrically opposed arcuate sections having yoke arms forming a part of a universal joint.

2,472,926

TETHERING POST

Michael Sullivan, Youngstown, Ohio

Application December 6, 1945, Serial No. 633,070
2 Claims. (Cl. 119—121)

1. A tethering post for the staking out of an animal comprising a solid cylindrical metal pin of uniform diameter, said pin having an integral head provided with a substantially segmental spherical top at its upper end and a sharpened lower end which is adapted to be driven into the ground, said head having a flat under surface, an elongated metal sleeve of uniform external diameter and of uniform internal diameter, the internal diameter of said sleeve being substantially the same as the diameter of said pin, whereby it is freely rotatable upon an extended bearing surface of said pin, said sleeve having ends whose surfaces are at right angles to the longitudinal axis thereof, a plate rigidly attached to said post at a position which is more than one-half the distance from the said sharpened end to the said head, the upper flat surface of said plate and the under flat surface of said head forming thrust bearings for the ends of said sleeve, the said surface of the upper end of said sleeve lying in juxtaposed position with the under surface of said head and the said surface of the lower end of said sleeve lying in juxtaposed position with the upper surface of said plate, said plate limiting the penetration of said pin in the ground, a ring rigidly attached to said sleeve in a position intermediate the ends of said sleeve, a spring clasp, and attaching means connecting said spring clasp to said ring, the diameter of the head not exceeding the diameter of the sleeve.

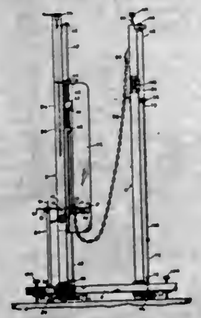


2,472,927

TESTING DEVICE FOR FILAMENTARY MATERIAL

David Taylor, Princeton, W. Va., and Ernest Robert Ward, Narrows, Va., assignors to Celanese Corporation of America, a corporation of Delaware

Application October 10, 1944, Serial No. 557,954
12 Claims. (Cl. 73—95)



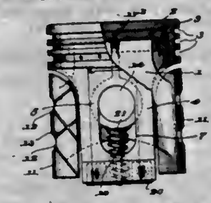
2. In a device for testing filamentary materials, a post, a bracket carried by and movable relative to said post, a clamp carried by said bracket and movable relative thereto, a pointer pivotally mounted on said post, a clamp mounted on said pointer, the specimen to be tested being mounted in said clamps, a chain having one end attached to said pointer for applying a test load on the specimen held in said clamps, a second post for supporting the other end of said chain, means mounted in said second post for permitting the end of the chain supported thereby to be lowered so as to increase the test load on said specimen, said latter means comprising a cylindrical tube movable relative to said second post and having means thereon for supporting said chain, and fluid means cooperating with said tube for controlling the rate of the descent of said tube and said chain.

2,472,928

PISTON FOR USE IN INTERNAL-COMBUSTION ENGINES

Hsin-Ya Tien, Singapore, Straits Settlements

Application January 4, 1947, Serial No. 726,139
4 Claims. (Cl. 123—78)



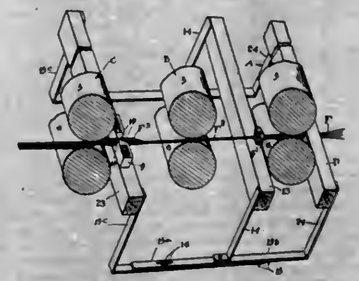
1. A combined piston for an engine cylinder comprising a piston head having the lower part thereof cut away to form two segmental openings, an inner piston body adapted to reciprocate in said piston head and having segmental plates connected thereto and corresponding to the segmental openings, said piston head and segmental plates forming a substantially cylindrical shape to the combined piston, and resilient means between the inner piston body and the piston head thereby permitting movement of the piston head and piston body against the action of the resilient means during the working of the combined piston in the engine cylinder.

2,472,929

DOUBLE CONDENSER HIGH DRAFT MECHANISM FOR ROVING AND SPINNING FRAMES

Jan V. Weinberger, Truro, Nova Scotia, Canada

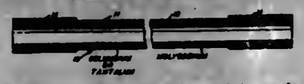
Application July 16, 1945, Serial No. 605,343
In Canada March 23, 1945
2 Claims. (Cl. 19—130)



1. A high-draft roving mechanism comprising a roving frame equipped with an entry roll unit,

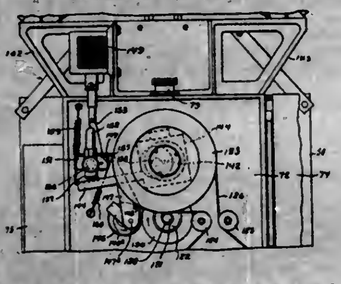
a carrying roll unit and a delivery roll unit through which the slivers are successively passed, sliver condensing or reshaping members through which the slivers are passed from the entry roll unit to the carrying roll unit and by means of which the slivers are reformed into slivers of substantially circular cross section and a second series of sliver condensing or reshaping members through which the slivers are passed from the carrying roll unit to the delivery roll unit and by means of which the slivers are transformed into flattened slivers each having its major cross sectional axis lying in a vertical plane.

2,472,930
ELECTRICAL HEATING UNIT
Donald P. Wilkes, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 23, 1945, Serial No. 612,288
3 Claims. (Cl. 201—76)



1. An electrical heating element to endure the corrosive action of molten metal such as gold, silver, aluminum and the like in contact therewith at the vaporizing temperatures of the said molten metal, the said element comprising two telescopically interfitted members of which the outer member intended to be in contact with the said molten metal is essentially composed of metallic molybdenum and the inner member protected by the said outer member from contact with the said molten metal is essentially composed of metallic material selected from the class composed of columbium, tantalum and mixtures of columbium with tantalum.

2,472,931
FLOW CAMERA DOCUMENT-COPYING MACHINE
Fred C. Yohn, Norwalk, Conn., assignor to Microstat Corporation, a corporation of Delaware
Application January 11, 1945, Serial No. 572,264
25 Claims. (Cl. 88—24)



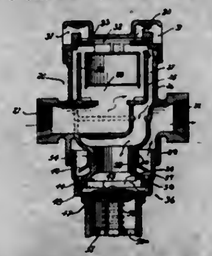
1. In a photographic device, a camera, a lens, a rotatable drum for transporting documents to be photographed, a shaft for said drum, means for rotating the drum at a predetermined speed, a plate having an aperture therein through which the documents are photographed, a smooth drum-like film driving member directly connected to and rotated by said shaft, a master film wheel in said camera having a portion of its periphery on the focal plane of said lens, other roller means in said camera cooperating with said master film wheel for supporting film to be transported, and a leverage member adapted to shift said master film wheel with the film thereon to place the film into driving contact with said driving member, electro-magnetic means connected to said leverage member and energized during the time a document is moving past the photographing aperture, the peripheral speed of said drum and driving member being proportioned so as to transport film at a predetermined ratio with respect to the speed of the movement of the documents past said photographing aperture.

2,472,932
HOUSE MOVING APPARATUS
Bruce Adkins, Pharr, Tex.
Application October 16, 1947, Serial No. 779,082
3 Claims. (Cl. 214—1)



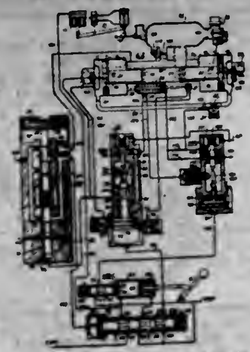
1. In an apparatus for transporting building structures, a pair of elongated carrier beams adapted to be positioned under a structure to be moved, each beam having a pulley journalled at each end thereof, the pulleys being rotatable in planes transverse to the beams, a motor truck, winch means carried on the rear portion of said truck, a transverse beam carried on said truck rear portion, pulleys journalled on the ends of said transverse beam, and a pair of cables extending from said winch means, each cable being looped over a pulley on said transverse beam and engaging under an end pulley of a carrier beam adjacent one end of the structure to be moved, the cable ends being secured to the truck rear portion, whereby the carrier beam ends will be elevated when the cables are wound up on said winch means.

2,472,933
VACUUM BREAKING AND DUMP VALVE
Dwight M. Anderson, South Euclid, Ohio
Application October 22, 1945, Serial No. 623,833
5 Claims. (Cl. 277—50)



1. A device of the character described comprising in combination, a casing having a fluid inlet port in communication with a source of pressure fluid, and a fluid outlet port in communication with a system to be serviced, a passageway through said casing normally establishing communication between said ports, there being a vent opening to atmosphere from said passageway through said casing, a vent valve for said vent opening and biased to closed position by the pressure of fluid normally transmitted through said passageway, a dump opening in said casing disposed in said passageway between said vent opening and said outlet port, a dump valve for said dump opening, spring biased means engaging said dump valve in a direction tending to open said dump valve but said dump valve being normally maintained in closed position by the pressure of fluid normally transmitted through said passageway, whereby, when fluid pressure drops in said passageway, said vent valve and said dump valve open substantially simultaneously to respectively vent said passageway to atmosphere, and provide a dumping outlet for reverse fluid flow from said system.

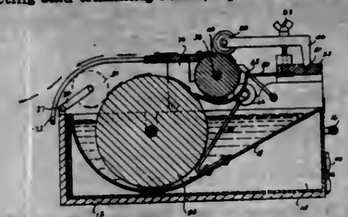
2,472,934
CONTROL MEANS FOR INTERNAL-COMBUSTION-OPERATED FREE-PISTON MACHINES
Evelyn Stewart Lansdowne Beale, Staines, England, assignor to Alan Muntz & Company Limited, Hounslow, England, a British company
Application June 20, 1944, Serial No. 541,252
In Great Britain June 1, 1943
20 Claims. (Cl. 230—56)



1. An internal-combustion-operated free-piston machine having a free-piston assembly, starting mechanism including means for maneuvering said assembly to a starting position adjacent to one limit of its stroke, means for accelerating said assembly from said position towards the other limit of its stroke, and a starting control member operable to cause at least both said means to operate in the sequence necessary to start the machine, repeater means operatively associated with said starting mechanism for causing automatic repetition of said sequence, and means responsive to starting of the machine for rendering said repeater means inoperative.

2,472,935
WALLPAPER PASTING AND CUTTING DEVICE
Odilon J. Boivin, Gorham, N. H.
Application May 29, 1947, Serial No. 751,205
1 Claim. (Cl. 91—14)

A wall paper pasting and trimming machine comprising a hollow, rectangular frame, a past receptacle removably secured in said frame, a pasting roller journaled at its ends in said frame in position to be partly submerged in paste contained in said receptacle, paper roll supporting means pivotally connected to the front end of said frame to support a paper roll contiguous and substantially parallel to said pasting roller at the front side of the latter, said supporting means being adjustable to receive rolls of paper of different widths, a bracket pivotally secured at its rear end to the rear end of said frame and movable between an operative position in which it rests upon the top edge of said frame and an inoperative position in which it extends upwardly from said frame substantially perpendicular to said top edge, said bracket having two spaced apart sides disposed one at each side of said frame, a trimming roller journaled in said bracket and disposed to the rear of said pasting roller and substantially parallel to the latter when said bracket is in its operative position, a trimming knife supporting arm mounted on said bracket, a trimming knife journaled on said arm and peripherally contacting said trimming roller, a plurality of spaced



fingers secured to said bracket and underlying said trimming roller to guide the paper from said pasting roller onto said trimming roller, a plurality of spaced apart, curved bars pivotally connected to the front end of said bracket to overlie a paper roll supported on the front side of said frame and guide pasted paper from said trimming roller over to said paper roll, and manually operated means connected to said trimming roller for rotating the latter to move paper from said paper roll over said pasting roller and said trimming roller, said bracket being movable from its operative to its inoperative position to expose said paper roll support, said pasting roller and said trimming roller for replenishment of paper on said support, cleaning of said pasting roller and said trimming roller and for removal of said pasting roller and said paste receptacle from said frame.

2,472,936
BRACE FOR DOORS AND THE LIKE
James H. Boye, Chicago, Ill., assignor to James H. Boye Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 19, 1946, Serial No. 684,672
3 Claims. (Cl. 20—38)

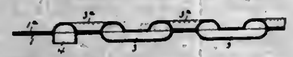
1. In a bracing attachment for such doors as have substantially vertical frame members and transverse members, in combination, a channel bar adapted to be secured at one end to one of said vertical frame members of the door and at its other end to a transverse member thereof and being disposed substantially parallel to the transverse member, an abutment member substantially channel-shaped in cross section also having securement to said vertical frame member in associated relation with the channel bar whereby said abutment member overlies the channel bar, a wear plate connected to said abutment member in a manner permitting limited movement of the plate vertically of said abutment member, said plate being interposed between the abutment member and the channel bar, and an adjusting screw carried by the

abutment member and positioned under the channel bar, said adjusting screw having operation to contact the wear plate and through



the medium of said plate to apply pressure to the channel bar whereby to eliminate and prevent sagging of the door.

2,472,937
COOLING PLATE
Paul H. Brinkoeter, San Antonio, Tex., assignor to Ed Friedrich, Inc., San Antonio, Tex., a corporation of Texas
Application July 19, 1946, Serial No. 684,968
1 Claim. (Cl. 257—258)

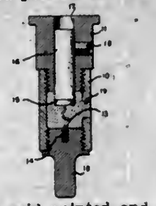


A cooling-coil-plate formed of two metal sheets placed in face to face contact and having outwardly extended parallel rows of elongated embossments, the embossments of one sheet being staggered with respect to and overlapping the embossments of the other sheet to provide continuous-flow passages from first one inner face of the sheet and then to the inner face of the other sheet, each sheet having a row of elongated embossments along one side for connecting alternate rows of the first mentioned embossments at opposite sides of the plate thereby forming a continuous-fluid passage from an entrance adjacent one corner of the plate to an exit adjacent the diagonally opposite corner of the same said passage zig-zagging from one side of the plate to the opposite side and from front face to back face of the plate.

2,472,938
POINT-CONTACT RECTIFIER
Francis Hugh Brittain, Pinner, and Charles Eric Ransley, Sudbury, England, assignors to The General Electric Company Limited, London, England
Application March 1, 1945, Serial No. 580,484
In Great Britain November 8, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 8, 1963
10 Claims. (Cl. 175—366)

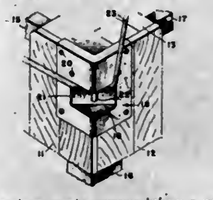
1. A method of manufacturing a point contact rectifier comprising a semi-conducting crystal and a metal wire whose pointed end rests upon said crystal which comprises the step of subjecting said pointed end to a hardening treatment.

9. A method of manufacturing a point-contact rectifier comprising a semi-conducting crystal and a tungsten wire having a pointed end resting upon said crystal which comprises the step of hardening said pointed end of said tungsten



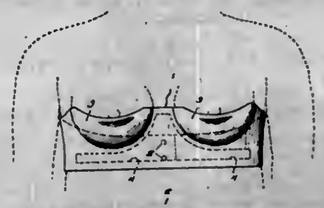
wire by heating said pointed end to a suitable high temperature in an atmosphere containing a hydrocarbon vapour, said heating of said pointed end being effected by bringing said pointed end into contact with a heated tungsten wire.

2,472,939
CRATE HAVING LIFTING MEANS
Claire A. Connolly, Detroit, Mich., assignor to the United States of America as represented by the Secretary of Agriculture
Application January 24, 1947, Serial No. 724,217
3 Claims. (Cl. 217—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A packaging crate comprising a rectangular-shaped, reinforced, wooden structure provided at each upright edge with a notch and with a metallic plate fitted and secured to the edge and having a portion mating with the notch, said plate having no outwardly projecting portions and having a downwardly projecting tit located in the notch with clearance space below the tit thus to provide a hook for receiving a rope to lift the crate.

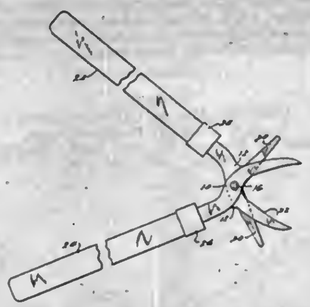
2,472,940
BRASSIÈRE
Arthur H. Cummings, Ventura, Calif.
Application January 4, 1946, Serial No. 639,014
2 Claims. (Cl. 2—42)



1. A strapless brassière comprising a body of flexible rubber comprising a body encircling band

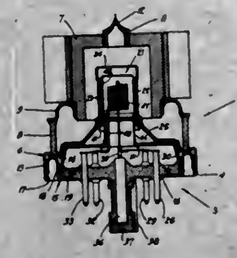
having a relatively wide front portion of substantial thickness, said front portion being formed to provide two breast cups to supportably receive the lower part only of the breasts of the wearer, said front portion being formed in its body contacting side with a suction chamber extending lengthwise of said front portion beneath said cups for holding said front portion in place on the body of the wearer.

2,472,941
WEEDER
Ralph W. Doeg, Highland Park, Mich.
Application March 28, 1946, Serial No. 657,873
5 Claims. (Cl. 294—50.5)



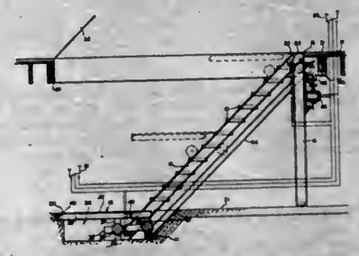
2. In a weeder, the combination of, fork-like jaws pivoted to be operated in the manner of pliers, said jaws being formed of a plurality of tines, a pivot pin for fastening said tines together, spurs integral with some of the tines, each spur being forwardly directed with respect to the face of its respective tine and adapted to sweep through spaces between the tines for cleaning dirt or weed particles therefrom when the jaws are opened widely, and a handle secured to each jaw.

2,472,942
ELECTRON TUBE
Donald Drieschman, Los Altos, and Richard Chamberlin, San Bruno, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application March 18, 1947, Serial No. 735,468
4 Claims. (Cl. 250—27.5)



1. An electron tube comprising a lower envelope section having a metallic ring and a disk-like vitreous header sealed to said ring, an upper envelope section having a metallic ring fitted to the ring of the lower section, a fused metallic bond uniting said rings, a plurality of contact prongs sealed to the header, one of said prongs being disposed centrally of the rings, a control grid electrically connected to the center prong, a cathode electrically connected to another prong, and a screen grid electrically connected to one of said rings.

2,472,943
STAIR ELEVATOR
Howard E. Firestone, Salem, Ohio
Application April 17, 1946, Serial No. 662,811
1 Claim. (Cl. 187—12)

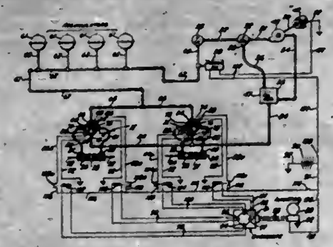


An incline elevator for a stairway having side rails supporting the treads thereof and a pit in the lower floor into which said rails extend, comprising an elevator frame having a horizontally disposed load-bearing deck and a pair of spaced depending supports positioned outwardly of each of said rails, a pair of flanged wheels journaled on two of said supports for engaging the upper edges of said rails, a second pair of flanged wheels journaled on the other two of said supports for engaging the lower edges of said rails, a transverse shaft interconnecting the said other two of said supports and positioned below said rails, a sheave freely rotatable on said shaft, a cable, a drum, means at the upper end of said rails to anchor an end of said cable, said cable extending from said anchoring means over said sheave and thence to said drum, and means to rotate said drum, said supports extending below said wheels and sheave whereby the bottom ends of said supports engage the floor of said pit when said frame and deck are in lowermost position.

2,472,944
GYROSCOPICALLY STABILIZED CAMERA BOOM
Edward Furer and Charles Brandon Lonon, Burbank, Calif.; said Lonon assignor to said Furer
Application March 31, 1947, Serial No. 738,464
2 Claims. (Cl. 60—97)

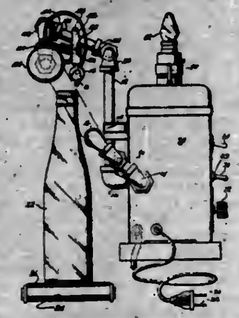
1. An automatically positioned camera boom which includes: a vehicle; a camera boom movably supported on said vehicle; a hydraulic pump; an electric motor for operating said hydraulic pump; a source of electrical energy; an electrical connection between said source of electricity and said motor; a plurality of multi-port solenoid-operated valves in fluid communication with the discharge of said pump; a plurality of hydraulic cylinders in fluid communication with said valves; a piston slidably mounted in each of said cylinders; a piston rod movably connecting each of said pistons with said camera boom; a gyro-

scope adapted to electrically signal any deviation of said camera boom from a predetermined plane; electrical means adapted to be actuated by said signals from said gyroscope and complete an elec-



trical circuit between said valves and said source of electrical energy whereby said valves may be actuated to admit hydraulic fluid into said hydraulic cylinders to move said pistons and return said camera boom to its predetermined plane.

2,472,945
APPARATUS FOR DETECTING UNCAPPED BOTTLES
Clair C. Gingrich, Kewanee, Ill.
Application January 31, 1947, Serial No. 725,423
4 Claims. (Cl. 250—220)

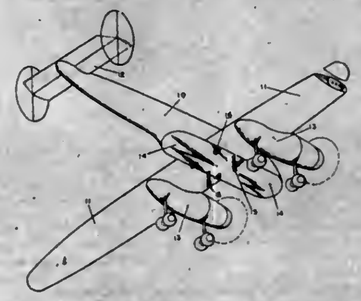


1. A control for detecting uncapped bottles passing a detecting station including a first light source, a light sensitive device so located relative to said source and a capped or uncapped bottle passing said station that the bottle itself intercepts the normal passage of light from said source to said device, a second light source so located relative to said device and a capped bottle passing said station that light from said source is reflected by the bottle cap to said device, a normally nonconductive grid controlled gas tube, means including grid biasing means connecting said light sensitive device to said gas tube for rendering said tube conductive when an uncapped bottle passes said station and no reflected light reaches said device, a relay in the output circuit of said gas tube adapted to be operated from one position to another when said tube is rendered conductive, and means operable by said relay for supplying said gas tube with a constant bias sufficient to maintain said tube conductive until said output circuit is broken.

2,472,946
PRODUCTION OF TRICHLOROACETYL CHLORIDE
Edwin J. Hart, Cedar Grove, and Max S. Matheson, Clifton, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 27, 1947, Serial No. 776,814
5 Claims. (Cl. 260—544)

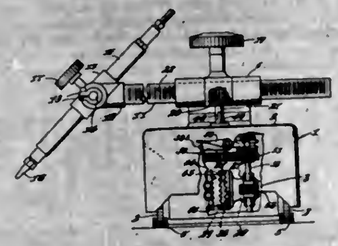
1. The process of making trichloroacetyl chloride from tetrachloroethylene which comprises intimately contacting gaseous oxygen with liquid tetrachloroethylene in the presence of chlorine and in the presence of a quantity of an organic peroxide equal to from 0.1 to 5 per cent of the weight of tetrachloroethylene, said peroxide being selected from the group consisting of acyl peroxides, alkyl peroxides and ascaridole, at an elevated temperature of from 50° C. to 110° C. at which said peroxide decomposes.

2,472,947
UNIVERSAL CARGO AIRCRAFT
Josef S. J. Hlobil, Portland, Oreg.
Application January 19, 1945, Serial No. 573,511
1 Claim. (Cl. 244—118)



The combination of an airplane of the character described having a main bottom surface below the center wing section, the fuselage, empennage and wings of said airplane located above said bottom surface, nacelles in said airplane, said nacelles mounted in the wing structures and spaced from the main fuselage, and a detachable freight compartment adapted to be attached to said airplane below said bottom surface, hoisting means in said airplane for said compartment, said hoisting means extending downward from said bottom surface, said hoisting means including a hook at each side of said bottom surface, said hooks located substantially in the same transverse vertical plane with the center of gravity of the airplane, cooperating means on said compartment for attaching said hooks, said compartment cooperating means being located at corresponding sides of said compartment and so constructed and arranged that the points of attachment of said hooks to said compartment can be adjusted longitudinally on said compartment, whereby said hooks can be attached at points in transverse alinement with the center of weight of said compartment even though the freight in said compartment is not evenly distributed, thereby bringing the center of weight of said compartment in line with the center of gravity of said airplane when said compartment is hoisted to said airplane, locking devices in said bottom of said airplane for holding said compartment locked in position against said airplane bottom when said hoisting means has lifted said compartment into contact with said bottom, said locking devices being located directly below the two main wing spars of the wing center section of the fuselage of said airplane, whereby the weight of said compartment will always be supported at the strongest part of the airplane structure, and whereby said compartment load can be quickly and properly positioned on said airplane, the location of wings, fuselage and empennage with respect to said bottom surface making possible the carrying of oversize objects by said airplane.

2,472,948
CUTTING AND WELDING MACHINE
Harry A. Huff, Jr., Jersey City, N. J., assignor to Air Reduction Company, Incorporated
Application March 20, 1945, Serial No. 583,818
1 Claim. (Cl. 266—23)



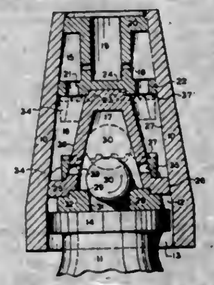
In a cutting or welding machine having a wheeled carriage, an axle for a pair of the wheels to which at least one of such wheels is fixed, an electric motor carried by the carriage, driving connections by which the motor can drive said axle to propel the carriage along a course at uniform cutting or welding speed, said connections including a clutch having a clutch sleeve keyed to the axle and a clutch sleeve loose on the axle and driven by the motor, one of said clutch sleeves being slidable on the axle into and out of engagement with the other clutch sleeve, manually operable means for sliding the slidable clutch sleeve on the axle to engage or disengage the clutch, a torch-arm mounted in a holder on the carriage for movement longitudinally of itself and transversely of the direction of travel of the carriage, a torch carried by the arm, and manually operable means for adjusting the torch-arm in its holder comprising rack teeth on the torch-arm meshing with an actuating pinion fixed to a knob-actuated shaft on the holder, the combination therewith of torch-arm driving connections between said loose clutch sleeve and said actuating pinion for the torch-arm by which rotation of the loose clutch sleeve by the motor may be utilized to drive the torch-arm in its holder at uniform cutting or welding speed, said torch-arm driving connections including a downward extension on the knob-actuated shaft of the pinion coupled to a shaft extending downwardly into the carriage, gearing between said last-named shaft and said loose clutch sleeve, a clutch in said torch-arm driving connections, manually operable means for operating said clutch, a brake surface on the slidable clutch sleeve of the carriage clutch, and a stationary brake surface into contact with which the brake surface on the slidable clutch sleeve can be brought by the manually operable means for the slidable clutch sleeve.

2,472,949
FLEXIBLE NOZZLE FOR SUPERSONIC WIND TUNNELS
James O. Jackson, Crafton, Pa., assignor to Pittsburgh-Des Moines Company, a corporation of Pennsylvania
Application October 31, 1947, Serial No. 783,405
11 Claims. (Cl. 138—45)



1. In an adjustable nozzle or duct structure, a pair of spaced fixed walls, a pair of longitudinally flexible walls arranged between such fixed walls and with the same defining a rectangular duct or nozzle of varying cross section, multiple power operated means for moving such flexible walls toward and from the longitudinal axis of such duct or nozzle, a series of flexible wall contour determining cams, means responsive to movement of such cams for controlling the direction and amplitude of movement of such flexible walls occasioned by such means and means for simultaneously moving such cams.

2,472,950
NONREFILLABLE BOTTLE
Walter Keenan, Little Falls, N. J.
Application May 5, 1947, Serial No. 746,059
1 Claim. (Cl. 215—25)



The combination with a bottle of a device for rendering the bottle non-refillable including a housing provided with conically shaped internal bore, a valve body including a head portion mounted in said housing and provided with three conically shaped flanges adapted to fit the internal bore of the housing and partition off an outer chamber and an intermediate float valve chamber respectively, axial passages inter-connecting said chambers, a ball valve and seat

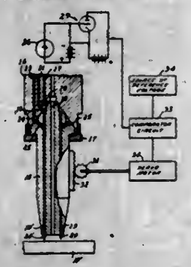
mounted in the internal bore of the valve body and normally closed when the bottle is held in a vertical position, a radial passage connecting the internal bore of the valve body to the intermediate float valve chamber, an annular float valve mounted on the valve body in the float valve chamber and adapted to move axially and close the radial passage when the bottle is inverted and the float valve chamber filled with fluid, a serrated upper edge on the float valve to prevent the valve from adhering to the ceiling of the intermediate chamber after the bottle has been inverted for pouring.

2,472,951

METHOD AND APPARATUS FOR CONTROLLING TORCH SPACING

Henry O. Klinke, Forest Hills, N. Y., assignor to Air Reduction Company, Incorporated, a corporation of New York

Application September 10, 1946, Serial No. 695,910
7 Claims. (Cl. 148—9)



1. In using gas torches in which the inner cone of the flame when viewed internally through the gas supply passage that feeds the flame shows a light area when the cone is out of contact with the work and shows a dark spot at the center of the light area when the cone touches the work which increases in size as to distance between the torch tip and the work becomes less, the method of preserving a substantially constant spacing between the torch tip and the work surface which comprises photo-electrically converting into electric current variations the variations in the amount of light at the area where the flame cone impinges on the work resulting from the change in the size of said dark spot when the spacing of the tip from the work surface departs from a desired normal, and automatically adjusting the spacing of the torch tip from the work surface in accordance with the variations in said electric current.

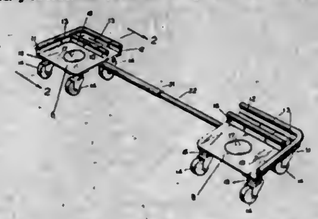
2,472,952

TRUCK DOLLY

Thomas E. Lennard, Portland, Oreg.

Application April 10, 1946, Serial No. 661,137
2 Claims. (Cl. 280—35)

2. A dolly of the character described comprising a pair of substantially similar truck elements, adjustable telescoping means connecting said pair of elements, each of said truck elements having a main frame extending substantially horizontally, an upstanding guard extending upwardly from a portion of the outer edge of said main frame, a similar upstanding inner guard extending upwardly from said main frame substantially parallel to a portion of said first mentioned outer guard and located between the center of said main frame and said last mentioned portion of said outer guard, a plurality of



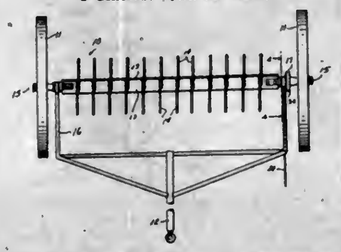
wheels secured to the underside of said frame, at least one of said wheels being located below the space between said inner and outer guards.

2,472,953

TRACTOR DRAWN HAY RAKE

Chester J. Meyer, Speed, Kans.

Application August 20, 1946, Serial No. 691,720
3 Claims. (Cl. 56—391)



1. In a hay rake, a frame, a transverse axle revolubly mounted on said frame, ground engaging wheels journalled on opposite ends of said axle, two diametrically opposed sets of rake teeth pivoted to said axle on axes parallel to and on opposite sides of the axis of said axle, stop means on said axle limiting gravitational swing of said rake teeth to arcs less than a semi-circle, and clutch means arranged coaxially with respect to said axle and one of said ground engaging wheels and operatively connecting said one ground engaging wheel with said axle to turn said axle only one-half revolution upon each complete revolution of said one ground engaging wheel, said clutch means comprising a clutch plate fixed coaxially on said axle having a pair of similar diametrically opposed peripheral cam surfaces terminating at one end in radial stop surfaces, an operating element mounted on said axle for endwise movement in a direction tangential to said axle and spring retracted to normally occupy a position at one end of the travel of said operating element, a lateral cam follower roller on said operating element rollably engaging one of said cam surfaces and in the retracted position of said operating element engaging the stop surface thereof whereby reverse rotation of said clutch plate and said axle are prevented, a rocker pivoted intermediate its ends on the outboard side of said clutch plate at a point eccentric with respect to the axis of said clutch plate, said rocker having diametrically opposed shoulders projecting outwardly therefrom into the path of said operating element roller whereby one of said shoulders is engaged by said roller while said roller is engaged with a stop surface of said clutch

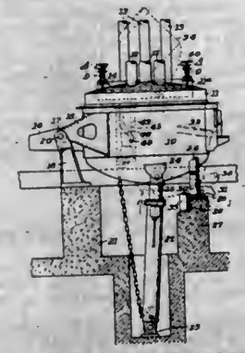
plate, a pair of diagonal levers pivoted intermediate their ends on the outboard side of said clutch plate at diametrically opposite points, said levers occupying generally parallel positions and having detent rollers on their outer ends and spring means connected to their inward ends whereby their rollers are urged outwardly of the periphery of said clutch plate, links pivoted at their opposite ends to and operatively extending between points adjacent to the said shoulders on said rocker and points on said levers between the lever pivotal points and their detent rollers, said clutch means further comprising a clutch rotor fixed coaxially on said one ground engaging wheel and having a ring gear with its teeth surrounding said clutch plate, said soring means urging said detent rollers toward engagement with the ring gear teeth, endwise movement of said operating element away from said retracted position acting to withdraw said cam follower roller from engagement with said stop surface and with the related rocker shoulder in a manner to free said clutch plate and said axle to rotate relative to the ground engaging wheel and said rocker to rock relative to said clutch plate until said cam follower is engaged by the other stop surface of said clutch plate and the other shoulder of said rocker, the freeing of said clutch plate, axle, and rocker permitting said spring means to engage said detent rollers with said ring gear teeth whereby said ground engaging wheel and said axle are connected for rotation together, and engagement of said cam follower with said other clutch plate stop surface and said other rocker shoulder acting to pivot said rocker relative to said clutch plate in a direction to retract said levers against the resistance of said spring means and thereby withdraw said detent rollers from said ring gear teeth, so as to disconnect said ground engaging wheel from said axle and lock said axle against rotating relative to said frame.

2,472,954

ADJUSTABLE ROOF MOUNTING MEANS FOR TOP CHARGED ELECTRIC FURNACES

William Enoch Moore, Pittsburgh, Pa., assignor to Delaware Engineering Corporation, a corporation of Delaware

Application May 12, 1944, Serial No. 535,332
11 Claims. (Cl. 110—99)



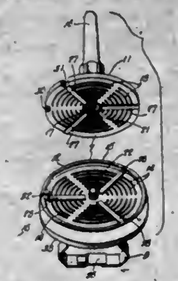
1. A support for a furnace roof comprising a horizontal beam, and means for securing the roof to the beam comprising a load-sustaining member adjustable vertically and longitudinally of the beam and provided with a device adjustable along the periphery of the roof for engaging the member to the roof, and means for locking the adjusted load-sustaining member to the beam.

2,472,955

COFFEE FILTER

Joseph W. Myers, Philadelphia, Pa., assignor, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 11, 1945, Serial No. 610,238
7 Claims. (Cl. 210—162)



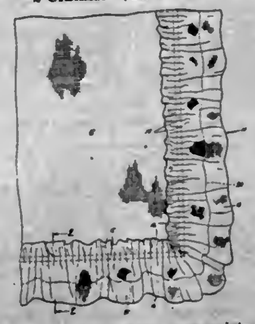
5. A coffee filter, comprising a pair of removably-attached members having confronting faces, each of said members having a substantial number of apertures therein, the apertures of one member being offset with respect to those of the other member, said members being disposable in different relative angular positions, and angularly-spaced projections on the confronting faces of said members adapted to effect different close spacings of said members, according to the different relative angular positions of said members, to provide different sized filter passages between said members according to such different relative angular positions of the members, the projections on each of said members having sufficient angular spacing throughout the radial dimension of the projections to effect the aforesaid different spacings of said members.

2,472,956

RUFFLE CURTAIN

Frederick S. Nichols, Melrose, Mass.

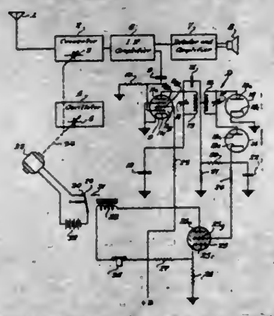
Application January 8, 1946, Serial No. 639,800
2 Claims. (Cl. 2—278)



1. A ruffle on a curtain, comprising a strip pleated intermediate its edges and secured with

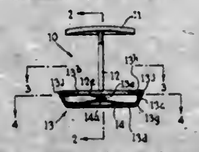
its pleats to the curtain by stitching, and a band formed by a marginal portion of said strip folded back upon the latter, said band having pleats interengaged with, and secured to the curtain by the same stitching as, the pleats of said strip, and extending outwardly beyond said stitching only part way across the lateral expanse of said strip.

2,472,957
TUNING CONTROL SYSTEM FOR SIGNAL SEEKING RECEIVERS
Madison G. Nicholson, Jr., Snyder, N. Y., assignor to Colonial Radio Corporation, Buffalo, N. Y.
Application October 4, 1944, Serial No. 557,192
11 Claims. (Cl. 250—40)



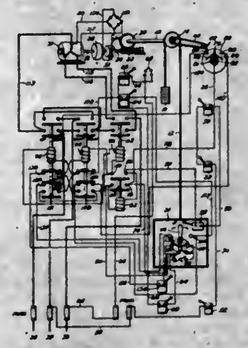
1. In a signal seeking receiver, in combination, signal circuit tuning means, electrical power means for varying said signal circuit tuning means, a normally closed switch controlling said power means, and means for opening said switch to de-energize said electrical power means to stop the variation of said signal circuit tuning means in response to initial reception of an incoming signal of predetermined strength, said last-mentioned means comprising a balanced type of frequency discriminator-rectifier supplied by incoming signals, and a control tube responsive to the output of said frequency discriminator-rectifier as the incoming signal frequency enters the frequency response spectrum of the frequency discriminator-rectifier, for effecting said opening of said switch to deenergize the electric power means.

2,472,958
CUFF LINK CONSTRUCTION
Jacob M. Oldak, Brooklyn, N. Y.
Application June 18, 1948, Serial No. 33,870
4 Claims. (Cl. 24—97)



1. A cuff link of the character described comprising a flat yoke link having intermediate spaced apart arms bordering on a central opening, a button mounting portion terminating one end of the yoke, an integrally formed cross-piece of rectangular cross section interconnecting said arms at the other end of said yoke to border on said opening, an elongated bar toggle swivelly mounted through a mid-portion thereof on said cross-piece, said bar toggle formed of an elongated hollow shell having tapering opposite ends and parallelly aligning side walls, a closure strip for said shell having opposite ends thereof formed with cut-backs, tabs integrally formed to extend from said tapering opposite ends bent on a rear side of said shell to neatly fit into said cut-backs for overlappingly securing said strip thereto to provide a smooth rear exterior surface for freely sliding in and out of cuff button holes, and a bowed leaf spring housed within said shell in operative engagement with said cross-piece, the latter extending between said spring and the closure strip to serve as a releasable detent means on pivotal angular movement of said bar toggle with respect to said cross-piece.

2,472,959
ELEVATOR CONTROL MECHANISM
George D. Pettengill, Thomas F. Jarvis, and William L. Fader, Warsaw, N. Y., assignors to Warsaw Elevator Co., Warsaw, N. Y.
Application October 2, 1947, Serial No. 777,396
11 Claims. (Cl. 318—210)

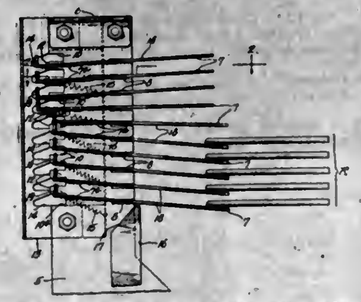


9. In an elevator drive and braking control system, a reversible alternating current electric motor, an elevator drive shaft, a torque connecter intereconnecting the drive shaft of said motor and said elevator drive shaft, and a power supply control system for said motor including manual switch means operable to cause energization of said motor, switch means operable to reverse said motor to impose a counter-torque through said connecter to halt the elevator travel, and means operable automatically upon halting of said travel to deenergize said motor.

2,472,960
MULTIPLE RECORD SUPPORT FOR PHONOGRAPHS
William E. Radolph, Collingswood, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 28, 1943, Serial No. 515,957
9 Claims. (Cl. 274—10)

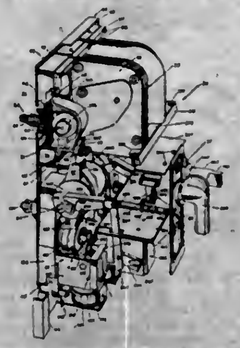
1. A multiple record support for a phonograph including a record supporting post comprising an upright member provided with a plurality of superimposed generally horizontal slots, a plurality of movable record supporting shelves with

portions thereof received in the slots to be guided thereby during movement of the shelf between record supporting or advanced positions and non-supporting or retracted positions, yielding means adapted to urge the shelves from retracted to advanced position, the slots in the supporting post member being of width providing limited angular oscillation of the shelves in a vertical plane, cooperating stop means on the shelves and the post member for retaining the shelves in



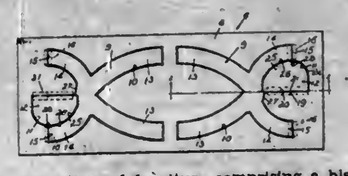
retracted position, the stop means being adapted to engage upon oscillation of the shelves in one direction when the shelves are in retracted position, and means automatically operative upon oscillation of a shelf in the other direction to disengage the stop means of the next higher shelf and thereby provide for movement of the higher shelf from retracted to advanced position under the influence of the means for urging that shelf outwardly.

2,472,961
CIRCUIT BREAKER MOUNTING MEANS
William M. Scott, Jr., Bryn Mawr, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 4, 1945, Serial No. 586,574
8 Claims. (Cl. 200—168)



1. A circuit breaker adapted for use with other similar circuit breakers in a dead front switchboard, said circuit breaker comprising a stationary contact element, a movable contact element, operating means for moving said movable contact element and current responsive elements for controlling said operating means; a metal panel for supporting the circuit breaker; molded insulating supporting members individual to each of said elements and carrying each of said elements as a separate unit; and means for securing each of said insulating supporting members to said metal panel; and means for interconnecting said individual elements with each other and with the operating means, said insulating members having insulating extensions to increase the creepage distance between the elements carried thereby and said metal panel; said panel, when the circuit breaker is mounted in a switch board together with other similar circuit breakers, combining with adjacent panels to form a dead front switchboard.

2,472,962
COLLAPSIBLE TABLE OR THE LIKE
Frank Heisel Shuflin, Miami Shores, Fla., assignor of one-third to Max Shlafrock and one-third to Louis Touby, both of Miami, Fla.
Application May 28, 1946, Serial No. 672,791
3 Claims. (Cl. 311—84)

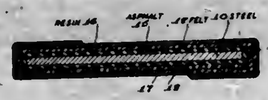


1. An article of furniture comprising a blank formed with cuts made therethrough so as to define at least two legs and a brace for each leg and cut-outs in which said legs and leg braces can nest substantially flush with said blank, and hinge means connecting edges of said legs and leg braces to corresponding edges of said cut-outs whereby the said legs can be swung out of the related cut-outs to positions perpendicular to said blank and returned thereinto and whereby the said leg braces can be swung out of the related cut-outs and can be subsequently returned into their cut-outs, and means for releasably connecting said legs and leg braces to hold said legs in perpendicular positions, said hinge means comprising hinges pivoting said legs and said leg braces to swing outwardly from one side only of said blank and on axes disposed at substantially right angles with respect to each other, the outer edges of said leg braces being convexly curved and an inner edge portion of said legs being concavely curved, the curvatures being substantially similar, said convexly curved outer edges of said braces being formed with notches arranged to slidably engage the said concavely curved inner edges of the legs as the braces are swung out of nested position with said legs in perpendicular position, so as to positively hold the legs in perpendicular position.

2,472,963
PROTECTED METAL ARTICLE
Fred G. Singleton and Paul W. Jenkins, Pittsburgh, Pa., assignors to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 4, 1946, Serial No. 694,814
9 Claims. (Cl. 154—45.9)

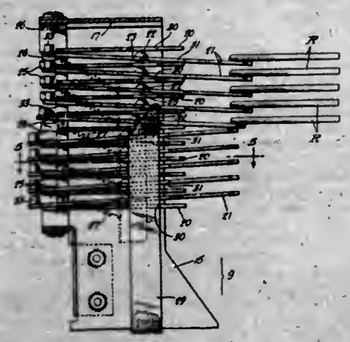
1. As a new article of manufacture, a protected metal building sheet comprising a metal sheet, a layer of bituminous-bearing fibrous material covering a surface of the metal sheet, an interposed

layer of adhesive bonding the fibrous layer to the metal sheet, and an outer weather-proofing coating applied over said fibrous material and comprising an insoluble and infusible layer bonded to the bituminous material carried by said fibrous layer, said coating comprising the resinous reaction product formed by reacting a polymerizable liquid monomeric ethylenic - group - containing solvent for said bituminous material selected from the group consisting of allyl monomers, vinyl monomers and acrylic monomers, with a poly-



ester resin formed by reacting a glycol and an ester-forming dicarboxylic acid material, said material having at least 10 mol percent of an unsaturated alpha-beta-dicarboxylic acid material, and any remainder being selected from the group consisting of aliphatic saturated dicarboxylic ester-forming materials, aromatic dicarboxylic ester-forming materials, and mixtures thereof, said coating being bonded to said bituminous material along a zone at their interface wherein said coating material and said bituminous material are co-mingled.

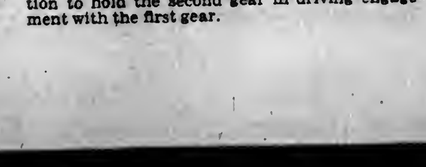
2,472,964
MULTIPLE RECORD SUPPORT FOR PHONOGRAPHS
Harold Walker, Meadowbrook, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 28, 1943, Serial No. 515,959
11 Claims. (Cl. 274—10)



6. In an automatic phonograph, a turntable, a plurality of record-supporting structures adapted to support a group of records above the turntable, each of said supporting structures including a plurality of superimposed relatively spaced record-supporting shelves each adapted to engage one of the records, whereby the records are individually supported in superimposed spaced relation, each record being supported by corresponding shelves of said supporting structures, each of said shelves being movable between supporting and non-supporting positions, means urging each shelf to its supporting position, means for moving the corresponding shelves of said supporting structures to their non-supporting positions in upward progression to cause successive dropping of the supported records onto the turntable, means for latching each shelf in its non-supporting position, excepting the lowermost shelf of each supporting structure, and means whereby the corresponding shelves of said supporting structures are released in upward progression during reloading.

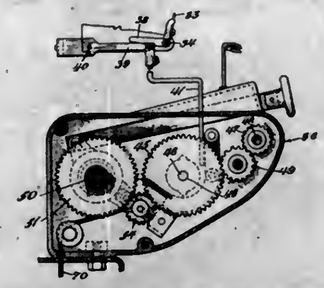
2,472,965
METALLIZED TETRAKISAZO DYES
Walter Wehrli, Basel, Switzerland, assignor to Sandoz Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application June 12, 1947, Serial No. 754,273. In Switzerland July 14, 1941
8 Claims. (Cl. 260—145)

5. A complex metal compound of a substantive polyazo dyestuff of the formula



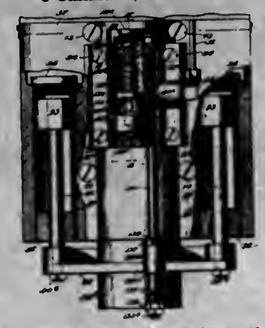
wherein X is a member selected from the group consisting of hydrogen and alkyl, R means the radical of Cleve's acid and R' is a member selected from the group consisting of substituted and unsubstituted phenyl radicals, which complex metal compound dyes cellulose fibres in fast blue-grey shades.

2,472,966
STOP MEANS FOR FEED ROLL UNITS
Albert E. Winslow, Norwich, and Eugene Eppler, Stonington, Conn., assignors, by mesne assignments, to Universal Winding Company, Cranston, R. I., a corporation of Massachusetts
Application May 2, 1946, Serial No. 666,727
8 Claims. (Cl. 57—83)



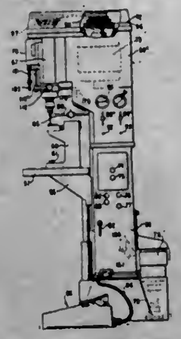
1. A yarn handling apparatus comprising a spindle for a take-up package, feed rolls for feeding yarn to the take-up package, a gear fixed on the axis of one of the feed rolls, a pivoted bracket carrying a second gear movable from driving to non-driving position with the first gear, means for driving said second gear, and means for moving said second gear to non-driving position upon breaking of the yarn end, including catch and latch means for holding said bracket in a position to hold the second gear in driving engagement with the first gear.

2,472,967
DRILLING MACHINE
Herman Goldberg, Chicago, Ill.
Application March 13, 1946, Serial No. 323,648
5 Claims. (Cl. 77—32)



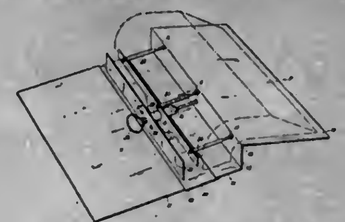
1. The combination in a machine of the class described, of a cylinder block, a pressure platen slidably mounted in said block, a rotatable tool carried by said pressure platen, said block having a cylinder formed therein, a piston mounted in said cylinder and connected to said pressure platen, means for admitting compressed air to said cylinder to move said pressure platen and said tool along the axis of said tool toward the work, dashpot mechanism carried by said cylinder block, an actuating member associated with said dashpot mechanism, and means carried by said pressure platen for operating said actuating member to cause said dashpot mechanism to retard and then arrest the movement of said pressure-platen when said tool reaches the end of its stroke.

2,472,968
DRILLING MACHINE
Herman Goldberg, Chicago, Ill.
Application June 26, 1942, Serial No. 448,554
7 Claims. (Cl. 77—32)



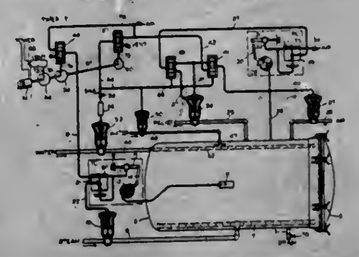
1. The combination in a machine of the class described, of a movably mounted tool, means for moving said tool axially through forward and reverse strokes, a work holder for gripping a work piece, means for causing a forward stroke of said tool, and means actuated by the starting of said forward stroke for causing said holder to grip a work piece placed therein.

2,472,969
LOOSE-LEAF BINDER
James P. Guinane, Westport, Conn.
Application June 9, 1945, Serial No. 598,588
2 Claims. (Cl. 129—13)



1. In a loose leaf binder comprising a pair of cover members, an elongated socket connected to one of said cover members, a wedge portion disposed at the outer end of said socket and converging away from said socket, a hollow, manually liftable ball carrier slidably mounted in said socket, a plurality of balls carried by the wall of said ball carrier, an elongated locking post on the other of said cover members, and an enlarged head integrally formed on the outer end of said locking post, said head and post being freely slidable within said ball carrier and being adapted to be engaged by the balls of said ball carrier in cooperation with said wedge portion whereby said post and head may slide freely in said ball carrier to permit the free operation of said cover members until said enlarged head meets said wedge portion whereupon said ball carrier and said head are engaged in a locking relationship preventing further relative outward movement when so mutually outwardly disposed so that the locking post head is locked in said ball carrier until the ball carrier is manually lifted to release the balls from engagement with said head.

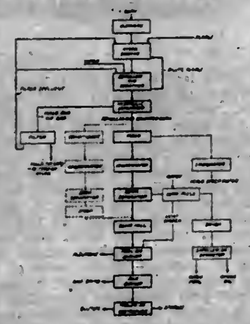
2,472,970
APPARATUS FOR THE HEAT PROCESSING OF CANNED PRODUCTS
Edward J. Hanna, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application May 18, 1946, Serial No. 670,689
4 Claims. (Cl. 99—370)



1. In combination, a retort arranged to have containers temporarily sealed therein for processing, means for introducing steam into said retort in amounts to maintain a desired temperature condition therein, means for maintaining a substantially given pressure condition within said retort, means for introducing into the retort a cooling liquid in the form of a spray and sub-

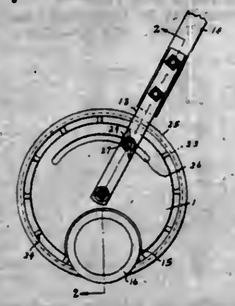
sequently in the form of a stream whereby the steam within the retort tends to condense with the resultant reduction in its pressure, and means for introducing a compressed gas into the retort in amounts tending to compensate for the reduced steam pressure therein.

2,472,971
MANUFACTURE OF CORN PRODUCTS
Donald W. Hansen, Decatur, Ill., assignor to A. E. Staley Manufacturing Co., Decatur, Ill., a corporation of Delaware
Application November 7, 1945, Serial No. 627,275
5 Claims. (Cl. 127—68)



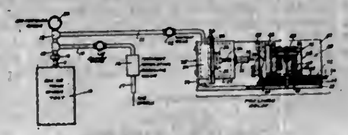
1. In the process of manufacturing starch from corn kernels, the improvement which comprises immersing corn kernels in an aqueous caustic alkali solution of not less than 0.2 per cent concentration at a temperature in the range of 160° F. to 212° F. for a period of time not exceeding 15 minutes, thereby loosening only the hulls and tip caps of the kernels prior to their subsequent removal.

2,472,972
LAWN EDGER
Hilton W. Hearn, Houston, Tex.
Application September 10, 1945, Serial No. 615,333
1 Claim. (Cl. 30—276)



A lawn edger comprising, a circular frame having a marginal inwardly turned flange extending entirely around the frame, said frame having a central, laterally extended spindle, a circular end plate having an annular, inwardly extended marginal flange formed with an internal master gear and having an inwardly extended hub which fits over said spindle, the flanges of the frame and end plate being aligned with their free margins in adjacent relation to form an enclosure, a bolt fitted axially through said spindle, a handle, brackets secured to the sides of the handle at one end and whose other ends have bearings through which the bolt extends, means for securing said bolt in the spindle and also securing the brackets on the bolt, a semicircular recess located eccentrically in the outer side of the frame, a rotatable cutting disc in said recess, a shaft on which the disc is fixed, a bearing in the frame through which said shaft extends, a spur gear on the inner end of the shaft and in mesh with said master gear, a one way clutch whereby the spur gear may be connected with and disconnected from said shaft, an annular rim surrounding said flanges and connected to said plate, a guide flange on the rim adjacent said disc, said frame having an arcuate slot which is concentric with the frame and a clamp bolt fitted through said slot and through the adjacent handle bracket for clamping said adjacent bracket in a selected fixed position relative to the frame.

2,472,973
PRESSURE TESTING APPARATUS AND CONTROL CIRCUITS THEREFOR
Harry William Hoffman, Anoka, and Grover H. Helmer, Minneapolis, Minn., assignors to Federal Cartridge Corporation, Minneapolis, Minn., a corporation of Minnesota
Application January 20, 1944, Serial No. 518,962
12 Claims. (Cl. 73—40)



8. In a system for testing vessels for leaks under sustained pressure, including means for applying a charge of fluid under pressure to a vessel undergoing test, a pressure responsive switch having a pressure element connectable to said vessel and a pressure operated contact movable into a closed position against a movable contact for establishing a normally closed control circuit, the improvement comprising, means including an operator controlled switch at a first station for locking said movable contact in any position to which it is moved by the pressure operated contact, relay means connected to and operated in response to closure of said operator controlled switch at said first station; and cyclic timing means responsive to said relay means for opening a shunt circuit around said pressure responsive normally closed switch contacts in said normally closed control circuit, means responsive to the de-energization of said normally closed control circuit due to the opening of said normally closed pressure responsive contacts when said shunt circuit is open for initiating energization of a work circuit.

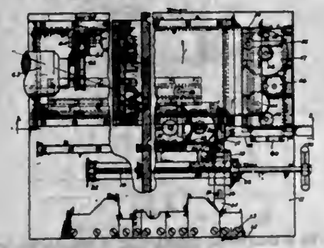
2,472,974
CORSET ATTACHMENT
Josephine L. Holt, Oakland, Calif.
Application March 2, 1946, Serial No. 651,534
1 Claim. (Cl. 2—38)

A corset having an insert for varying the size of the corset, comprising a narrow strip permanently secured to the corset, said strip having a row of hook eyelets on the free edge thereof; a single relatively stiff but flexible strip having on one side thereof a row of hooks engaging said hook eyelets; and on the other side thereof a row



of lacing eyelets; said corset having a vertical portion having a row of lacing eyelets; and a lacing passing through the eyelets of said second mentioned strip and said corset portion and flexibly connecting the same.

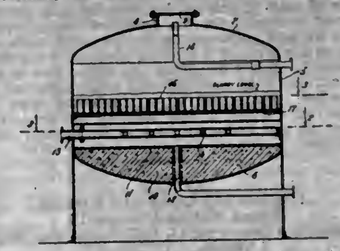
2,472,975
MACHINE FOR MAKING CIRCULAR FORM TOOLS
Guy R. Houghtaling, Rochester, N. Y.
Application August 23, 1946, Serial No. 692,550
1 Claim. (Cl. 51—50)



A machine of the character described comprising, in combination, a rotatable spindle in which the work is mounted, a pair of superimposed movable tables, one of which is carried by and movable on the other, a cutting element mounted on the upper table, an enlarged template mounted on said machine with the contours thereof in exact relation to the contours to be cut in the work, a stylus, and means including a bodily movable gear train between the stylus and each of said tables for moving said tables in reduced relation to the dimensions of the stylus and at right angles to each other to move said cutting element over the work in accordance with, but in reduced relation, to the contour of said stylus.

2,472,976
METHOD OF SEPARATING SOLIDS FROM LIQUID SUSPENSIONS
Charles O. Hoover, Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1945, Serial No. 579,115
1 Claim. (Cl. 210—42.5)

The method of separating solid particles from liquids to be treated which comprises establishing a slurry of liquid and finely-divided filtering particles in which the finely-divided particles constitute from 25% to 75% of the volume of the liquid of the slurry, introducing the slurry into a first zone of a separation vessel, introducing liquid containing the solid particles to be separated into said zone with resultant mixing of said liquid and the solid particles carried thereby with the slurry and elevation of at least a part of the slurry to a quiescent zone above said first zone consisting of a plurality of upwardly-extending passages of relatively small cross section where the mixture of liquid to be treated and slurry is maintained in a quiescent state,



continuing the introduction of liquids and solid particles to be separated therefrom into said first zone, passing the liquid and solid particles to be separated therefrom upwardly from said first zone into and through the quiescent zone in which the slurry is maintained in a quiescent state, the linear velocity and rate of flow of the liquid containing the solid particles to be separated upwardly through said quiescent zone being so correlated to the density of the slurry therein that solid particles are separated from the rising liquid as the liquid passes upwardly through the slurry in said quiescent zone, and withdrawing the filtered effluent liquid from a zone above the quiescent zone.

2,472,977
FLUORESCENT LAMP SOCKET
Harry Yale Magcoch, Havertown, and Andrew J. Shaback, Philadelphia, Pa., assignors to Electric Service Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 25, 1947, Serial No. 782,126
3 Claims. (Cl. 173—328)



1. A socket for a tubular fluorescent lamp of the type having a single axially projecting terminal pin at each end thereof comprising a cylindrical body member closed at one end thereof, a centrally apertured disk fitted in the open end of said body member for axial movement therein, a collar member fixedly secured to the open end of said body member, said collar member having an opening therein of an area sufficiently less than the internal cross-section area of said cylindrical body member to provide an internal shoulder which is engageable by said disk to limit axial movement thereof outwardly of said body member, a spirally coiled compres-

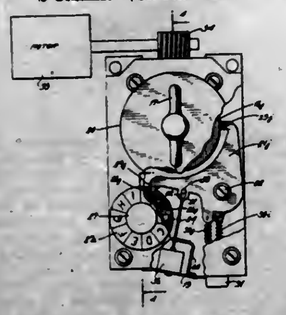
sion spring disposed interiorly of said cylindrical body member with its reduced end convolution engaging said disk and in substantial registry with the central aperture thereof for resiliently urging said disk toward said internal shoulder, said spring being adapted to conduct current to the terminal pin of a tubular lamp inserted into said socket and said collar member being of an axial length sufficient to embrace a substantial portion of the inserted end of said tubular lamp when the terminal pin thereof is projected into and through the aperture of said disk and into engagement with the registering end convolution of said spring, and a conductor plate fitted in the base of said cylindrical body member to provide a rear abutment for the enlarged base convolution of said compression spring, said plate being in the form of a circular plate of a diameter adated to snugly fit within the closed end of said cylindrical body member and being adapted for electrical connection to a conductor wire for supplying current to the terminal pin projecting from the end of the lamp embraced by said collar member.

2,472,978
UNIVERSAL GOLF CLUB HEAD
Frank Mahon, Chicago, Ill.
Application December 13, 1947, Serial No. 791,521
4 Claims. (Cl. 273—77)



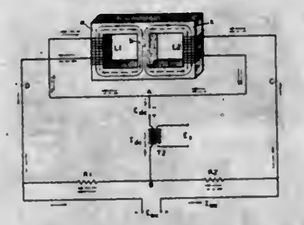
1. A universal golf club head comprising, a wedge-shaped body tapering from the head portion toward the toe portion thereof to form a top portion of triangular cross-sectional configuration and a bottom portion of trapezoidal configuration, the faces of the said club head being of partially conical and concave configuration formed by generating imaginary geometrical cones with their apices at the said heel portion.

2,472,979
SEMIAUTOMATIC TUNER DEVICE FOR RADIO APPARATUS AND THE LIKE
Richard W. May, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application May 23, 1946, Serial No. 671,686
8 Claims. (Cl. 192—142)



1. A device for selectively setting a control shaft of radio apparatus and the like, comprising a manually settable selector cam shaft having a series of selector cams, a plurality of shiftable stop pawls one for each cam, a plurality of stop rings arranged to be selectively stopped under control of a selected one of said pawls, each of said pawls having a toe and heel portion with the heel portion in coacting engagement with a corresponding one of said cams and with its toe portion in coacting engagement with a corresponding one of said stop rings, a motor for rotating said stop rings and said control shaft as a unit, manual means for rotating said cam shaft to move a selected one of said pawls to a preliminary stopping position, a common switch operating ball mechanically linked to all said pawls, and a power supply circuit for said motor completed through said switch and which is automatically closed upon initial manual rotation of said cam shaft and which remains closed until said selected pawl is moved to its final stopping position where it is in selective stopping engagement with its associated stop ring said selected pawl thereupon moving said ball to open said motor circuit.

2,472,980
MEASURING SYSTEM AND SATURABLE REACTOR FOR USE THEREIN
Carlton W. Miller and Nathaniel B. Nichols, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application January 22, 1948, Serial No. 3,758
4 Claims. (Cl. 332—51)



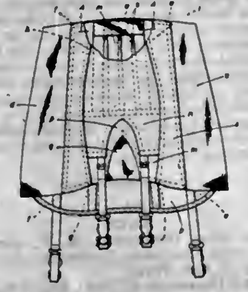
1. In a magnetic modulator, a reactance bridge comprising four arms connected together to provide two pairs of conjugate points, two of said arms each having a fixed impedance connected therein, the other two arms each having a bridge coil connected therein, core means provided with two magnetic paths of magnetic material capable of being saturated, each bridge coil being in inductive relation to one of said magnetic paths, a source of magnetizing alternating current at a given frequency supplied through two conjugate points to said bridge coils to produce original magnetizing forces at a value to saturate said magnetic paths to approximately the saturation knee thereof, a source of variable electrical signals, means for supplying to the core means magnetizing forces proportional in value to said signals whereby the resulting magnetizing force at any instant assists the original magnetizing force in one bridge coil and opposes the original magnetizing force in the other bridge coil so that in each half cycle of the alternating current source the bridge coils alternately saturate said magnetic circuits, and output terminals coupled to said bridge whereby output voltages are developed at said terminals of a magnitude proportional to the signals and at a frequency twice that of the alternating source.

2,472,981
WALL PANEL JOINT CONSTRUCTION
Karl H. Miller, North Canton, Ohio, assignor to Diebold, Incorporated, Canton, Ohio, a corporation of Ohio
Application March 27, 1946, Serial No. 657,444
5 Claims. (Cl. 189—36)



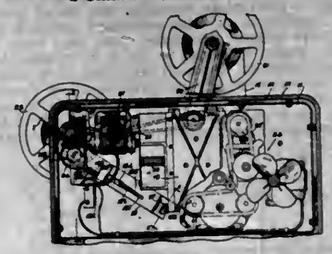
1. Wall panel joint construction including abutting panel flanges coextensive with said joint, matching projections on said flanges, each projection having at its upper end an outwardly tapered portion, and a channel locking strip having tapered slots in its web receiving abutting pairs of said projections with those portions of the web forming the edges of the slot wedgeably engaging the sides of said projections for drawing them together, and other portions of the web adjacent the upper end of the slot in engagement with the tapered portions at the upper ends of the projections for aligning the panels.

2,472,982
FORM OF CORSET
Wilfred Namegah, Ipswich, England, assignor to William Pretty & Sons (1930) Limited, Ipswich, England, a British company
Application August 4, 1945, Serial No. 608,861
In Great Britain May 23, 1945
2 Claims. (Cl. 2—43)



1. In a corset, a body portion having a front section of non-elastic material, a panel in the center of the front section, extending vertically therein, the panel comprising two layers of non-elastic cloth, both layers being stitched at their vertical edges near the sides of the front section and constituting the central portion thereof, the rear layer having spaced vertical pockets therein for stays, stays in said pockets, the front layer forming a smooth covering over the rear layer and its pockets, said layers being stitched together across the top, an elastic band joined at its ends to the sides of the rear layer, the elastic band being located between the front and rear layers at the top of the corset and extending across the stays and pockets and contracting the top of the panel and forming an integral concealed part of the panel to hold the upper ends of the stays snugly against the wearer's body in all positions thereof and in normal wear, the front layer presenting a smooth unruffled outer appearance.

2,472,983
MOTION-PICTURE PROJECTOR
Otto B. Nemeth, Chicago, Ill., assignor, by mesne assignments, to Helene Curtis Industries, Inc., a corporation of Illinois
Application December 4, 1944, Serial No. 568,541
2 Claims. (Cl. 242—55)

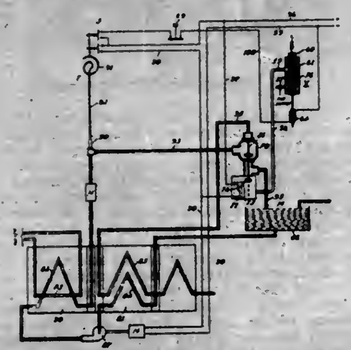


1. In combination in a motion picture projector, a vertical mounting panel, a supply reel shaft, a horizontal take-up reel shaft mounted for vertical movement, a drive shaft, means on said take-up reel shaft and said drive shaft cooperating to provide a separable driving connection effective through gravitational inclination of the take-up reel shaft toward the drive shaft, a drive motor in gear with said drive shaft, and electrical motor circuit including a master switch and a normally open auxiliary switch having an operating arm, means for effecting a rewind driving connection for said supply reel shaft with said drive shaft including means fixed upon the drive shaft and a clutch member axially slidable on said drive shaft and normally biased toward clutching interengagement with said fixed means, and a manually operable elongated rectilinearly reciprocable member including means for holding said clutch member inactive during film take-up operation but releasable from the clutch member upon rectilinear movement in one direction to effectuate the rewind driving connection for said supply reel shaft, said reciprocable member having means operable simultaneously with clutch release for engaging and lifting said take-up reel shaft away from said drive shaft and separating the driving connection therewith and means acting at the same time to motivate said operating arm for closing said auxiliary switch.

2,472,984
HEAT EXCHANGE SYSTEM
Raymond E. Olson, Pittsford, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application December 14, 1946, Serial No. 716,222
2 Claims. (Cl. 257—2)

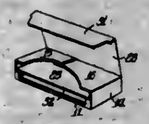
2. In a pasteurizing system for a liquid such as milk or the like, a heat exchange unit, means including a flow diversion valve for said liquid communicating with the outlet of said unit, said valve being provided with a forward flow port and with a diversion port, a plug provided at its ends with closure members respectively closing said forward flow port and said diversion port in the alternate positions of the plug, a valve stem connected to the lower end of said plug, a restoring spring normally biasing said stem to move said plug and its closure members into a position to open said diversion port and to close said forward flow port, a pneumatic motor comprising a top part and a diaphragm having its margin sealed to said top part to form a chamber, a pipe

for pressure fluid communicating with said chamber, means including a solenoid valve for controlling the flow of pressure fluid through said pipe, a thermal switch responsive to a given temperature of said liquid, a circuit for said solenoid valve including normally closed contacts of a manual switch as well as contacts of said thermal switch, a push plate engaging the under side of said diaphragm, a stem extension connected to the lower end of said valve stem, said stem extension being mounted to move in substantially airtight relation through said top part and to pass in substantially airtight relation through said diaphragm into connection with said push plate, said push plate being provided with a spring cup axially alined with said stem extension,



said restoring spring having its lower end restrained and having its upper end retained by said spring cup, said cup having a recess in the surface thereof, a valve operated switch having contacts and an actuator movable alternately by the wall of said recess and by the surface of the cup proper for reversing the position of said contacts, said groove and actuator being so related that the switch contacts are moved to their alternate position at the closing of said forward flow port, a pump for advancing said liquid through said unit and through one or the other of said ports, a motor for driving said pump, a circuit for operating said motor including closed contacts of said thermally operated switch, and another circuit for said motor completed through contacts of said valve-operated switch.

2,472,985
CONTAINER
Edward A. Pardee, Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware
Application October 23, 1946, Serial No. 705,064
6 Claims. (Cl. 229—15)



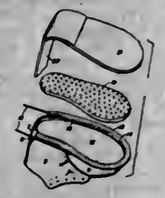
3. A folding self-locking razor blade utility carton comprising a single cut and crease lined blank having bottom wall, front, rear and side walls, and a cover member, said rear and side walls being of the same height and said front wall being only approximately half the height of said rear and side walls an extension panel connected along the top edge of said front wall and at its ends and foldable against said rear wall, said panel having a tab engageable with an aperture in said rear wall and adapted to hold said panel in raised position above said bottom wall to provide a partition separating said carton into upper new blade and lower used blade compartments, an extension member on each of said side walls having end portions adapted interlockingly to engage each other above said extension panel and immediately underlying said cover member and supporting the same to hold said folded blank in carton formation, and said front wall having an aperture below said extension panel and between the connecting ends thereof and the front wall for the reception of used blades into the lower compartment.

2,472,986
CORD PROTECTOR AND STRAIN RELIEVER FOR USE WITH ELECTRICAL CONNECTORS
Emil E. Reder, Jr., Chicago, Ill.
Application May 23, 1946, Serial No. 671,707
4 Claims. (Cl. 173—322)



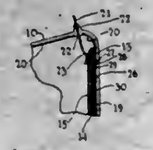
1. A cord protector for electrical connectors comprising companion elongated bodies, each being of substantially semi-circular cross-sectional form and being adapted to embrace an extension cord, said bodies terminating at one end in radially spaced grippers for engaging in an electrical connector and terminating at the other end in segmental cord clamping elements, means disposed intermediate the ends of each one of said bodies and arranged to cooperate with similar means associated with the companion body to form interlocking fulcrum bearings between the companion bodies, and clamp closing means operably associated therewith.

2,472,987
SHOE
Joseph D. Rizzo, Rochester, N. Y., assignor to Artisan Shoe Company, Rochester, N. Y., a corporation of New York
Application December 27, 1946, Serial No. 67,270
5 Claims. (Cl. 36—8.5)



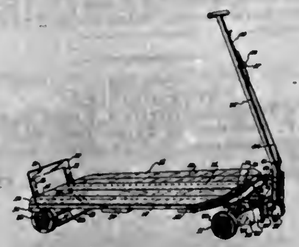
1. A shoe comprising an upper, a sole welt attached to the lower margin of the upper, a backstay welt attached to the back of said upper and having welt edges merging with said sole welt, and a backstay and a sole attached to said welts.

2,472,988
APPARATUS FOR REPRODUCING ELECTRIC SIGNALS, PARTICULARLY TELEVISION REPRODUCERS
Adolph H. Rosenthal, New York, N. Y., assignor to Scophony Corporation of America, New York, N. Y., a corporation of Delaware
Application October 28, 1944, Serial No. 560,776
6 Claims. (Cl. 250—164)



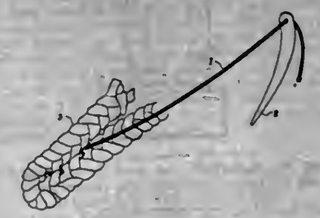
1. In an apparatus utilizing incident visible light, particularly diffuse day or room light, for visibly reproducing intelligence represented in a screen by local changes of its qualities to transmit or absorb visible light incident upon it, in combination, a screen essentially comprised of ionic crystal material of the type which is permeable to visible light and in which an impinging electron beam which is modulated by signals representative of intelligence to be reproduced creates color centers which absorb visible light, and a backing associated with said screen essentially of aluminum, the thickness of said backing not exceeding about 5 microns in order to minimize absorption of impinging electrons, so that visible light incident upon and transmitted through portions of said screen instantaneously permeable to said light is reflected by said backing through such screen portions.

2,472,989
PORTABLE TRUCK
James Skipper, Howard Marble, and Ernest Frisell, Omaha, Nebr.
Application May 2, 1946, Serial No. 666,753
6 Claims. (Cl. 280—46)



1. In combination, a hand truck having a body member provided at the front end with a rolling supporting means and at the rear end with a cross bar having a foot piece to rest on the floor when the body member is lowered so as to be approximately parallel to the floor, and an auxiliary truck adapted to be inserted under said cross bar and raise it far enough to lift the foot piece from the floor, the auxiliary truck having thereon elements that extend forward on opposite sides of the foot piece and up in front of said bar.

2,472,990
NEEDLE FOR SEWING BRAIDED RUGS
Avie F. Smylie, Houston, Tex.
Application October 29, 1947, Serial No. 782,857
1 Claim. (Cl. 223—103)



A braided rug-making tool comprising a needle for lacing together the elements of adjoining braids, said needle having a flat head wide enough to accommodate a hole for heavy twine but not wider than a bight of an element of the braided material and thin enough to pass easily under a bight of an element of the braided material and having a dull, blunt point that will not easily penetrate the fabric of an element of the braided material although it will easily slip between the elements of the braid, said needle being curved with the plane of the flat head making a large angle with the plane of the curve.

2,472,991
OPTICAL LIGHT WEDGE
Thomas W. Sukumlyn, Los Angeles, Calif.
Original application July 13, 1940, Serial No. 345,361. Divided and this application March 5, 1945, Serial No. 581,061
4 Claims. (Cl. 88—1)

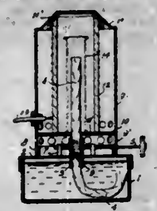


4. An optical unit having a supporting surface, and a thin transparent wedge thereon, one surface of said wedge conforming in shape and being adjacent to said supporting surface, said wedge comprising a series of steps, the thickness of each step to the said supporting surface being uniform, and adjacent steps having progressively reduced thickness, the difference in thickness between adjacent steps being of the order of a few wave lengths of light.

2,472,992
EVAPORATOR FOR THERAPEUTIC, STERILIZING, AND INSECTICIDAL LIQUIDS
George Szekely, Tel Aviv, Palestine
Application April 15, 1947, Serial No. 741,570
Section 1, Public Law 690, August 8, 1946
Patent expires March 17, 1966
2 Claims. (Cl. 21—117)

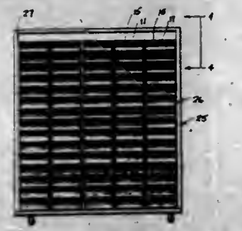
1. In a device for evaporating liquids for hygienic, medicinal, insecticidal and the like purposes, a receptacle for the liquid to be evaporated,

a liquid absorbent body projecting partly into and partly out of the receptacle and means for



heating by radiation the part of the absorbent body which projects out of the receptacle.

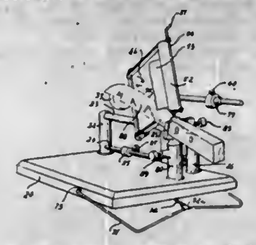
2,472,993
MEANS FOR DELIVERING BREAD
Robert W. Thomas, Larchmont, N. Y., assignor to Quality Bakers of America Cooperative, Inc., New York, N. Y., a corporation of New York
Application August 14, 1946, Serial No. 690,579
1 Claim. (Cl. 211—49)



Means for delivering freshly baked soft loaves of bread, comprising a plurality of tubes each being rectangular in cross section and of a width and height to accommodate one loaf of bread positioned with its ends snugly against the sides of said tube and of a length to accommodate a plurality of loaves of bread and having diagonally opposite corners foldable for folding the tubes flat when not in use and said opposite corners having inherent resiliency requiring that each tube be held in rectangular shape or it will fold closed, and means for receiving said tubes in a plurality of horizontal layers comprising a base with upright sides at the ends thereof perpendicular to said base, the upright sides being spaced a distance which is a multiple of the outside widths of said tubes for holding and supporting said tubes in rectangular shapes in order to hold them from deforming the ends of said loaves of bread.

2,472,994
KNIFE SHARPNESS TESTER
Ethan W. Vars, Duncannon, Pa., assignor, by mesne assignments, to The Aldon Products Company, Duncannon, Pa., a corporation of Pennsylvania
Application September 8, 1947, Serial No. 772,762
14 Claims. (Cl. 73—104)

14. A knife sharpness tester, including, in combination, a knife support means for holding a knife blade, cutting edge up, a paper-holding means mounted on a rotatable shaft alongside the knife support means in position to hold a piece of paper edgeways across the plane of the knife blade, a weight-biased means holding the paper against the knife blade and means for permitting relative movement, longitudinally of the knife edge, between the paper-holding means



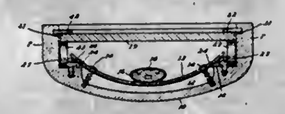
and the knife support means so that the paper is moved edgewise downwardly on the knife cutting edge as the knife support and paper-holding means move relatively.

2,472,995
APPARATUS FOR SEPARATING SUSPENDED PARTICLES FROM GASES
John E. Waison, Westport, Conn., and Charles B. McBride, Port Chester, N. Y., assignors to The Aerotec Corporation, Greenwich, Conn., a corporation of Connecticut
Application July 13, 1946, Serial No. 683,332
7 Claims. (Cl. 183—80)



1. Centrifugal separating apparatus which comprises a centrifugal tube, an off-take pipe extending axially into said tube at one end thereof, said tube having an inlet delivering in a rotatory direction to the space about said pipe and having a converging particle discharge passage at the opposite end of said tube, the axis of said discharge passage being inclined to the axis of said tube.

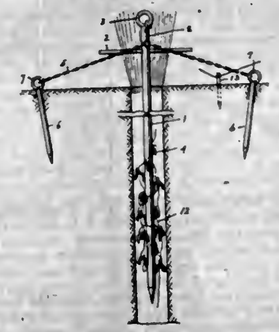
2,472,996
THERMOMETER
Cecil L. Wilder and Harvey A. Klumb, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application October 26, 1945, Serial No. 624,654
5 Claims. (Cl. 73—374)



4. A thermometer comprising a case having a back and side and end walls, a shoulder formed on the inner surface of each side wall and facing the front of said case, spaced ribs within said case, each rib having an arcuate surface facing the front of the case and extending at right angles to the sides of the case, an arcuate scale anchored on said ribs, a thermometer tube having its stem

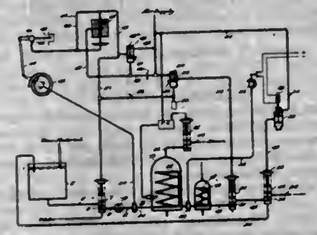
supported in close relation to said scale plate, a transparent cover plate for approximately closing the front of said case and receivable within said side and end walls, a bezel overlying the margin of said cover plate and engaging the case to retain the cover plate in said case, and an undulating spring secured on each shoulder, said springs engaging the inner surface of said cover plate.

2,472,997
FIRING LINE CATCHER
Jerry D. Williams, Chickasha, Okla.
Application December 19, 1946, Serial No. 717,158
3 Claims. (Cl. 102—22)



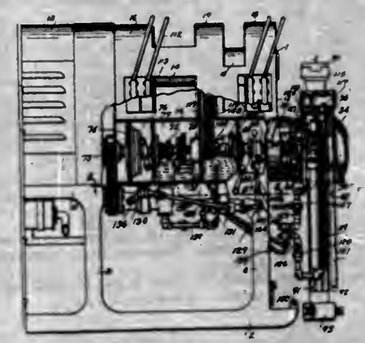
1. A safety device for use in bore hole blasting wherein firing lines are employed for detonation purposes, comprising a bar adapted to be inserted in an earth bore hole, downwardly directed hooks arranged about the bar and distributed longitudinally therealong and secured thereto, means connected to the bar and adapted to be anchored at the ground surface to limit the upward movement of the bar whereby upon insertion of the bar member in the bore hole said hooks are adapted to impede and entangle the firing lines in response to an explosive force in the bore beneath the bar.

2,472,998
METHOD AND APPARATUS FOR HEAT-TREATING LIQUIDS
John G. Ziegler, Walnut Creek, Calif., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application April 18, 1946, Serial No. 663,229
5 Claims. (Cl. 257—2)



5. In a liquid treating system, a heater, a source of primary liquid to be treated, a source of substitute liquid, means for advancing the primary liquid through the heater, mechanism responsive to a drop in the volume of the primary liquid below a given value for disconnecting said primary liquid from the heater and for supplying the substitute liquid to the heater, said mechanism including locking means effective on operation to maintain the connection of the substitute liquid to said heater to the exclusion of the primary liquid, and manually controlled means operated at the will of the operator for releasing said locking means whereby said mechanism reconnects the primary liquid to said heater and disconnects substitute liquid therefrom when the volume of said primary liquid is restored.

2,472,999
PORTABLE DRILLING RIG
Emmett Lee Alexander and Albert Wood Braithwaite, Enid, Okla., assignors to The George E. Failing Supply Company, Enid, Okla., a corporation of Oklahoma
Application June 4, 1945, Serial No. 597,512
4 Claims. (Cl. 255—22)



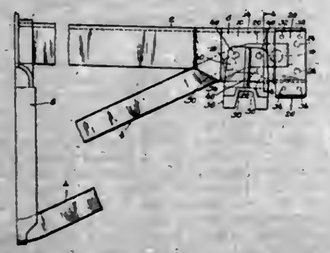
4. In a drilling apparatus, a supporting frame including a pair of laterally spaced skids, legs supported on the skids, an elongated housing carried on the legs at one end of the skids, a power unit carried on the legs on the opposite ends of the skids, partitions dividing the housing into a series of compartments, interconnected driving shafts connected with the power unit and extending through the compartments, a drilling means carried by the supporting frame adjacent the endmost compartment opposite the power unit, said drilling means including a drill rotating mechanism and a hydraulic mechanism for controlling pressure on a drill bit to be operated by said drilling unit, a pump carried by the supporting frame, a driving connection between the power unit and said pump, one of said compartments forming storage for a hydraulic fluid, a duct connecting said storage compartment with the inlet of said pump, a control valve, a duct connecting the discharge of the pump with said valve, ducts connecting the valve with the hydraulic mechanism, a hoisting unit supported above the housing, a driving connection in the storage compartment for connecting the driving shaft with the hoisting unit, means in said endmost compartment for connecting the driving shaft with the drilling unit, and a speed change gearing in another of said compartments having connection with the driving shafts.

2,473,000
HANDLE AND SOCKET STRUCTURE
Paul W. Bader, Chicago, and Frederic E. Oakhill, Wilmette, Ill., assignors to O-Cedar Corp'n, Chicago, Ill., a corporation of Illinois
Application May 29, 1947, Serial No. 751,174
3 Claims. (Cl. 306—30)



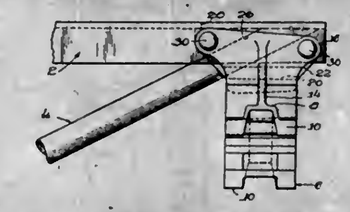
1. In a handle and socket structure of the character set forth, a socket member provided with a spiral groove, a handle member provided with a slot extending inwardly from the end thereof and longitudinally of the handle end, a plate of a length substantially equal to the length of said slot and having a slot in the end portion thereof, said plate being received within said slot, and a transverse pin extending through said handle and through the slot in said plate, said plate having spiral teeth projecting slightly beyond the periphery of said handle and adapted to engage the spiral groove of said socket.

2,473,001
TRUSSED BRAKE BEAM
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 24, 1944, Serial No. 527,898
21 Claims. (Cl. 188—223.1)



1. In a truss type brake beam, a U-section compression member comprising spaced top and bottom webs and an intervening rear wall, a tension member welded at each end thereof to the corresponding end of said compression member intermediate the spaced webs thereof, a filler block welded to said compression member at each end thereof intermediate said spaced webs, said block extending forwardly of said webs and presenting top and bottom surfaces forwardly thereof and substantially co-planar with the top and bottom surfaces of the adjacent portions of said top and bottom webs respectively, wear plates welded to the top and bottom surfaces of said block and said adjacent portions of said webs, and a brake head secured to each end of said beam and spaced inwardly of the adjacent plates, each of said filler blocks having a portion extending between and bearing against adjacent surfaces of said tension member and the associated brake head aligned transversely of the beam, whereby rigidity of said brake beam is increased.

2,473,002
BRAKE BEAM
Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 30, 1945, Serial No. 607,755
15 Claims. (Cl. 188—228)



1. In a fabricated truss type brake beam, a brake head comprising a recess, a U-section compression member fitted within said recess, a filler block fitted within said compression member in abutment with the rear web thereof and with the surface of said head defining the inner extremity of said recess, said block having a portion extending outwardly of said head and adapted for engagement with associated support means, a diagonal passage through said block, a tension member extending through said passage and seated against said web, a weld securing said web to said tension member and said block, and means securing said brake head to said block and said compression member.

2,473,003
PURIFICATION OF CHLORAL CONTAINING UNDER-CHLORINATED CONSTITUENTS
Harold C. Beachell, Lakewood, and Michael Sveda, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 1, 1945, Serial No. 632,274
4 Claims. (Cl. 202—57)

1. In a process for purifying crude chloral containing under-chlorinated materials, the steps comprising adding not more than about 5% by weight of concentrated sulfuric acid to said crude chloral, allowing the mixture to stand for at least one hour whereby the said under-chlorinated constituents are polymerized, and separating the constituents so polymerized from the chloral.

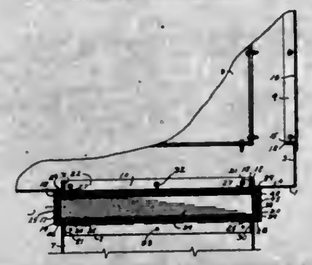
2,473,004
GALVANIZING FLUX
Ernest R. Boller, Marion, Ind., Lowell D. Eubank, Cleveland, Ohio, and Raymond J. Kepfer, La Grange, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 2, 1945, Serial No. 597,382
4 Claims. (Cl. 148—26)

1. A galvanizing flux for continuous strip galvanizing consisting essentially 7 to 15% of a mixture of sodium and potassium chlorides, and the balance ammonium chloride, the mixture of sodium and potassium chlorides containing 70 to 30 per cent by weight of potassium chloride and the balance being sodium chloride.

2,473,005
METHOD AND CATALYSTS FOR POLYMERIZING VINYL AND VINYLIDENE COMPOUNDS
Joseph W. Britton and Robert C. Dosser, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application August 2, 1943, Serial No. 497,060
2 Claims. (Cl. 260—88)

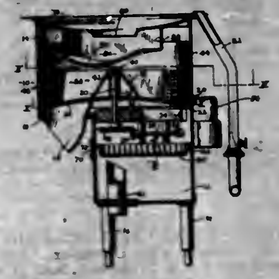
1. The method which comprises polymerizing a vinyl halide in the presence of an aqueous inert ionizing solvent as a reaction medium and a small amount of an acidic complex polymerization catalyst containing, as its essential ingredients, a metal salt containing as the positive ion a metal selected from the class consisting of chromium and aluminum, which metal salt is present in amount such as to contain at least 0.0005 gram atomic weight of said metal per gram mole of the material to be polymerized, and a peroxide in amount sufficient to co-act in catalytic manner with said salt, the polymerization mixture as a whole being of a pH value between 1 and 6.

2,473,006
FURNACE
Shirley Pollard Campbell and Roderic Grubb, Wichita, Kans., assignors to The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas
Application May 8, 1946, Serial No. 668,125
4 Claims. (Cl. 183—44)



1. In a heating device, a casing having a cold air return opening surrounded by a lateral flange, a filter housing comprising a frame of channel cross section providing inwardly disposed side flanges terminating in lateral flanges at opposite sides of the filter housing with the lateral flange on one side of the filter housing engaging the flange surrounding the cold air return opening and the corresponding side flange of the housing overlapping the casing surrounding the return opening, fastening devices extending through said flanges, a cold air duct sleeved over the other lateral flange of the filter housing, fastening devices extending through the cold air duct and said last named flange to connect the cold air duct with the filter housing, said housing having a filter insert opening intermediate the side flanges at one side of the frame, a filter adapted for insertion through said opening and having marginal portions overlapping inner faces of said side flanges, and a closure for said insert opening.

2,473,007
DISH CLEANING AND GARBAGE COLLECTING MACHINE
Russell M. Carson, Red Oak, Iowa, assignor of fifty per cent to George C. Hohl, Kansas City, Mo.
Application July 22, 1945, Serial No. 606,520
3 Claims. (Cl. 210—151)

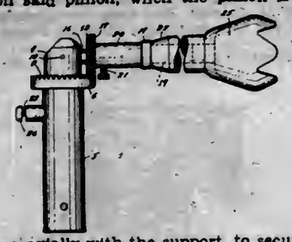


1. In a machine having a tank provided with an open top for receiving liquid and solid materials and means for recirculating said liquid from the bottom of the tank to the open top thereof; the improvement which consists of means for separating the liquid and solid materials in said tank, said means comprising a sump forming a bottom section of said tank; a top section of said tank having a portion overhanging the said sump; a partition setting off said sections of the tank, said partition having a solid portion overlying the sump and a discharge opening adjacent the overhanging portion of the top section; means for moving said solid material on the partition into the discharge opening as the liquid flows from the partition into the sump; means for holding the solid material against falling into the sump as the same is moved on the partition, said holding means comprising a perforated wall extending upwardly from the partition at the periphery thereof; and a perforated tray in said sump disposed to receive and strain the liquid passing into the sump of parts of the solid materials escaping through the perforations of said wall.

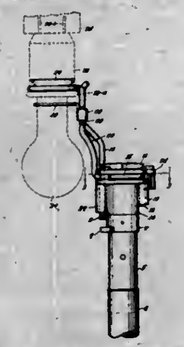
2,473,008
BULB MANIPULATING DEVICE
George R. Chadsey, East Hampton, Conn.; Inez M. Davis and Ida D. Dickerson, both of Middletown, Conn., executrices of said George R. Chadsey, deceased, assignors to Chadsey Corporation, Hartford, Conn., a corporation of Connecticut
Application April 12, 1946, Serial No. 661,795
6 Claims. (Cl. 294—21)

6. A bulb manipulating tool of the character described comprising a support, a member slidable in said support and adapted to be positioned therein for rotation relatively to the support, the said member having a slot therein including a plurality of positioning recesses in the walls of said slot, a post swivelly secured to said member, a pinion rotatable on said post, a hub on said pinion adapted to selectively fit within said recesses for positioning the pinion at different angles, relatively to the support, a gear member surrounding said support and interengageable with said pinion for rotating the pinion on the post, the said pinion being slidable on said post to permit movement of said hub into different recesses for positioning the pinion at different

angles, and means including teeth projecting inwardly from said gear and interchangeable with teeth on said pinion, when the pinion is positioned co-axially with the support, to secure the pinion to the support and against relative rotation.



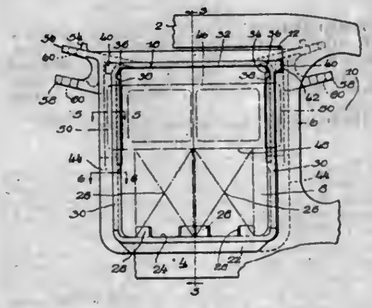
2,473,009
BULB SOCKET MANIPULATOR
George R. Chadsey, East Hampton, Conn.; Inez M. Davis and Ida D. Dickerson, both of Middletown, Conn., executrices of said George R. Chadsey, deceased, assignors to Chadsey Corporation, Hartford, Conn., a corportaion of Connecticut
Application April 12, 1946, Serial No. 661,796
10 Claims. (Cl. 294—20)



2. A device of the character described comprising a supporting member adapted to be secured to the end of a pole or the like, a sleeve rotatable on said supporting member, a pair of gripping members swivelly secured to said sleeve, a cam portion on said gripping members, an operating member slidable on said gripping members and having an extension in operative engagement with said cam portion, for operating said gripping members, and stop means rotatable with said supporting member and relatively to said sleeve for controlling the operation of said operating member and thereby the movement of said extension relatively to said cam portion.

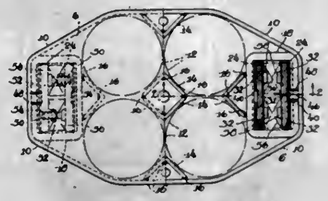
2,473,010
QUICK WHEEL CHANGE RAILWAY CAR TRUCK
Claus J. Werner Clasen, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 20, 1943, Serial No. 511,018
28 Claims. (Cl. 105—197.2)

28. In a bolster and side frame interlocking member, a frame having top and bottom walls and spaced side walls, a spring seat on said bottom wall, and interlocking means formed on the inboard and outboard sides of three of said walls



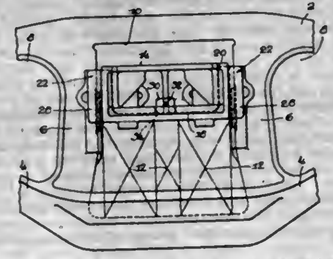
for cooperation with the inboard and outboard sides of an associated side frame, and other interlocking means on one side of said member for interlocking an associated load-supporting member therewith.

2,473,011
SPRING GROUP
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application July 3, 1944, Serial No. 543,225
10 Claims. (Cl. 267—9)



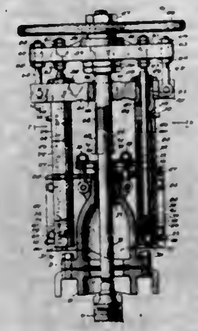
1. In a spring group, a friction device comprising opposite housings of rectangular sections, each presenting opposed internal friction faces with the corresponding faces of respective housings in coplanar relationship, and a friction shoe assembly in cooperative relation with said housings and comprising opposed interlocked friction shoes each having flat face engagement with both of said housings and at least one of said shoes having interlocking engagement with means on a wall of each housing to limit the expansion of the device, the interlock between opposed shoes comprising oppositely arranged dowels and hollow lugs on respective shoes adjacent the upper ends thereof operative to limit relative movement therebetween other than to and fro, each of said shoe assemblies comprising a plurality of resilient means positioned by said dowels and hollow lugs at one end of the shoe assembly and a plurality of positioning means adjacent the other end of the assembly confining other resilient means therebetween.

2,473,012
TRUCK BOLSTER INTERLOCKING DEVICE
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 9, 1944, Serial No. 548,642
6 Claims. (Cl. 105—197)



3. In a railway car truck, a side frame having a bolster opening, a bolster extending through said opening and movably supported from said frame, and means interlocking said bolster and frame comprising stops on said bolster bearing against one side of said frame, and a pair of separable elements removably interlocked with said bolster and slidably engaged with the opposite side of said frame, said elements having their adjacent extremities overlapping transversely of said frame and comprising lugs projecting through a complementary vertical opening in a wall of said bolster, and aligned openings through said lugs extending transversely of said frame and adapted for reception of associated key means.

2,473,013
VALVE ACTUATING MECHANISM
Charles R. Crane, II, Chicago, and Alfred Mueller, Berwyn, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application January 22, 1944, Serial No. 519,387
5 Claims. (Cl. 137—139)



1. In a valve, the combination with a valve bonnet having a closure stem reciprocably mounted therein for operating a closure member, of a yoke sleeve for threaded engagement with said stem, a pair of cylinders secured to said bonnet, piston means for reciprocating movement in said cylinders, a crosshead connecting the said cylinders, a yoke sleeve bearing member mounted on said piston means and engaging the yoke sleeve for relative rotational movement, means inhibiting relative axial movement, and stop means cooperating with said crosshead and stem for yieldably resisting movement of the piston means in one direction.

2,473,014
PREPARATION OF HALO-SUBSTITUTED ACETALS
Willard J. Croxall, Bryn Athyn, and Harry T. Neher, Bristol, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 30, 1948, Serial No. 5,493
9 Claims. (Cl. 260—615)

1. A process for preparing halohydrin acetaldehyde acetals which comprises reacting at between 10° and 90° C. in the presence of a strongly acidic catalyst and a mercury catalyst a vinyl ester of a monocarboxylic acid, RCOOCH=CH$_2$, wherein R is an alkyl group of one to three carbon atoms, and a halohydrin, XR'OH, wherein X is a halogen, R' is a saturated divalent hydrocarbon group, and OH is an alcoholic hydroxyl group, destroying the acid catalyst in the reaction mixture, and separating therefrom an acetal.

2,473,015
ACID TREATMENT OF HETEROCYCLIC IMIDE AND IMIDAZOLE VAT DYESTUFFS
John F. Cullinan and Lawrence D. Lytle, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 13, 1944, Serial No. 526,341
7 Claims. (Cl. 260—282)

1. The method of converting a vat dyestuff of the group consisting of naphthoylene (1,8,4,5)-bis-imidazoles and perylene-3,4,9,10-tetracarboxylic acid diimides into very finely divided particles of substantially uniform size which comprises forming a slurry of the dyestuff with about 20–40 parts of sulfuric acid per part of dyestuff, said acid being used in such concentration and amount that at the reaction temperature at least a part, but not more than 10%, of the total dyestuff is in solution at any one time, agitating this slurry until conversion of the dyestuff to the substantially insoluble sulfate is substantially complete, and hydrolyzing the sulfate to the dyestuff.

2,473,016
METHOD OF REDUCING CUT-GROWTH RATE OF RUBBERLIKE BUTADIENE-STYRENE COPOLYMER
Arnold R. Davis, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 29, 1945, Serial No. 575,191
3 Claims. (Cl. 260—41.5)

1. A method of reducing the cut-growth rate of flexible, vulcanized, rubber-like butadiene-styrene copolymer compositions obtained by vulcanizing a composition comprising an unvulcanized, vulcanizable, rubber-like butadiene-styrene copolymer, sulfur, an organic accelerator and zinc oxide in amount sufficient to fully activate the organic accelerator; which method comprises forming a composition of said unvulcanized, vulcanizable butadiene-styrene copoly-

mer, sulfur, organic accelerator, and zinc oxide, adding thereto from 0.1–0.6% by weight of the polymer of a substance selected from the group consisting of the oxides of calcium and magnesium mechanically working said composition until the components thereof are substantially uniformly disseminated therein, and then subjecting the composition to vulcanization.

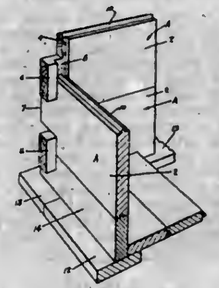
2,473,017
BUILDING STRUCTURE
Thomas J. Edwards, Klamath Falls, Oreg., assignor, by mesne assignments, to Burke H. Critchfield, Berkeley, Calif.
Application November 1, 1943, Serial No. 508,529
1 Claim. (Cl. 20—4)



In a multiple room building including an outer wall and a partition wall extending inwardly from said outer wall at right angles thereto, each of said walls being composed of a series of timbers arranged in superimposed edgewise relation, and each series of timbers in the outer wall comprising at least first and second timbers disposed in substantially longitudinal alignment, each of said first timbers having its opposed edges notched at each end thereof to provide a pair of opposed shoulders and a terminal tenon at each end of each timber, and each second timber having its opposed edges notched at each end thereof to provide a pair of opposed shoulders and a terminal tenon at each end of the timber, the tenons of said second timbers being relatively shorter than the tenons of the first timbers, and said first and second timbers each having one side face only thereof transversely grooved at each terminal tenon thereof whereby the shoulders of the first timbers are relatively narrower than the shoulders of the second timbers, thereby to provide interlocking elements for locking adjacent ends of said first and second timbers together against relative longitudinal movement, and each timber of said partition wall having its opposite edges notched at each end thereof to provide a pair of opposed shoulders and a terminal tenon at each end of each of said timbers, which tenons are relatively longer than the tenons of said first and second timbers and are receivable in aligned openings provided by the notched ends of said first and second timbers, and each of said partition wall timbers having its tenons transversely grooved on one side face only to receive the relatively narrower shoulders of said first wall timbers, the shoulders, tenons, and transverse grooves of said timbers cooperating to interlockingly secure together the timbers at the corners of the structure and providing weather-proof joints therebetween.

2,473,018
BUILDING STRUCTURE
Thomas J. Edwards, Klamath Falls, Oreg., assignor to Burke H. Critchfield
Application July 25, 1947, Serial No. 763,705
2 Claims. (Cl. 20—4)

1. A building structure comprising a pair of walls joined together at the corner of the structure to provide a square corner, each wall being composed of a plurality of horizontally disposed flat first and second wall members set on edge, one on top of another, and the adjacent ends of said wall members being formed with like terminal tenons whereby the end of each wall member is provided with transversely aligned shoulders and with the tenons extending beyond the shoulders for the same width throughout their length, said first wall member having a transverse groove cut in one face of its tenon adapted to receive the full cross-sectional thickness of said second wall member, said groove extending partially into the body of said first wall member beyond its shoulders whereby the shoulders of said first wall member are of less thickness than the thickness of said member, said second wall member having a relatively narrower transverse groove cut in one face of its tenon, one side wall of which is disposed in the plane of its respective shoulders and whereby the width of the shoulders of the second wall member is equal to the full thickness of said member, the tenoned ends of said first and second wall members being disposed in overlapped relation at the outside corners of the structure with the relatively narrower shoulders of the first of said members being received in the relatively narrower groove of the second wall



member, and the relatively wider shoulders of the second wall member being received in the relatively wider groove of the first wall member whereby the interfitting of said grooves and shoulders cooperate to provide an interlocked, light-tight, weather proof joint at the corner of the structure, and whereby corner joints are formed having tenons overlying each other only at the outer corners of the building structure and with the overlapping contacting portions of said tenons covering an area extending from the grooves to points in line with the outside vertical surfaces of the building structure at the corners, and with said contact surfaces of the overlapping tenons in substantial horizontal alignment with the upper and lower horizontal edge surfaces of adjacent tenons throughout their length, each of said corner joints comprising at least three vertical contacting surfaces between the shoulder ends of said interlocked wall members and the coacting grooves all located inwardly from the overlapping area of the tenons, and with each pair of the contacting surfaces disposed at right angles to its adjacent pair of contacting surfaces.

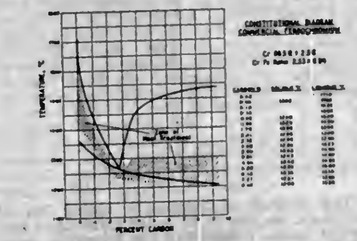
2,473,019
PRODUCTION OF FERROCHROMIUM
Hendrik de W. Erasmus, Lewiston, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application April 13, 1948, Serial No. 20,851
4 Claims. (Cl. 75—28)

1. Method of decarburizing and desulfurizing ferrochromium containing carbon and sulfur which comprises mixing comminuted ferrochromium and a comminuted oxidant at least 10% of the combined oxygen of said oxidant being supplied as silica, the quantity of said oxidant being in excess of that required to supply oxygen sufficient to combine with the carbon to be eliminated from said ferrochromium; and heating said mixture under sub-atmospheric pressure at a temperature sufficient to promote reaction but below the fusion point of any part of the charge.

2,473,020
FERROCHROMIUM
Hendrik de W. Erasmus, Lewiston, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application April 13, 1948, Serial No. 20,852
3 Claims. (Cl. 75—176)

1. A highly compacted, uniformly porous, strongly cohesive, fine-grained, non-friable, coalesced aggregate of ferrochromium containing chromium between 50% and 90%, carbon in an amount not exceeding 2%, at least 4% silicon, remainder essentially all iron.

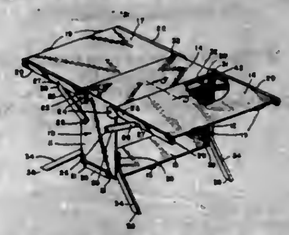
2,473,021
PRODUCTION OF LOW CARBON FERROCHROMIUM
Howard R. Spendelow, Jr., Kenmore, and Hendrik de W. Erasmus, Lewiston, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application May 26, 1948, Serial No. 29,256
4 Claims. (Cl. 75—28)



1. In the vacuum decarburization of high-carbon ferrochromium-oxidant pellets in the solid state, the improvement which comprises heating said pellets in the vicinity of the solidus temperature of the ferrochromium in said pellets until the composition of said ferrochromium approaches the eutectic concentration of carbon; adjusting the temperature of said pellets to below the melting point of said eutectic composition and maintaining said temperature until the carbon in said ferrochromium is below the eutectic composition and thereafter heating said pellets at a temperature above the solidus temperature and below the liquidus temperature of said ferrochromium at a rate insufficient to destroy the porosity in said pellets by partial fusion.

2,473,022
COMBINED CARRYING CASE AND TABLE
Otto E. Fenske, Jr., Skokie, Ill.
Application June 10, 1946, Serial No. 675,652
3 Claims. (Cl. 311—90)

1. A portable traveling case adapted to be readily convertible into a table, and comprising a rectangular frame member having opposed hinged sides swingable to form the leaves of the table, members normally carried within said frame member and movable to positions constituting same legs therefor, and bracing members normally carried externally of said frame member and movable to positions constituting same as braces for said table leaves, said frame member having a pair of cross-members extending be-



tween two sides thereof and adjacent the sides to which said leaves are hinged, said cross-members having beveled edges adapted to cooperate with beveled edges provided on said leaves whereby when said case is in a closed position the sides thereof present a substantially smooth surface, and when in an open position, the leaves present a table top having a smooth surface.

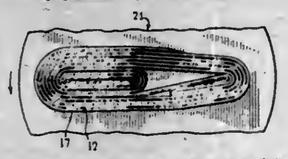
2,473,023
HALFTONE SCREEN HOLDER
Herbert Gelb, New York, N. Y., assignor to Joseph Gelb, doing business as Joseph Gelb Company, New York, N. Y.
Application September 11, 1944, Serial No. 553,488
4 Claims. (Cl. 95—81)



1. Means for selectively photoprinting in halftone a sensitized plate upon which an image is projected by light reflected from a subject, comprising a frame having a central rectangular opening the edges of which are successively rabbeted and thereby provide a plurality of stepped surfaces of decreasing periphery from the front to the rear portion of said frame, said frame being adapted to be fixedly positioned before and in parallelism with said plate with the rear portion of said frame nearest said plate, and a plurality of screens of different peripheral dimensions and of different line-counts, the periphery of each such screen being an index of the line-count thereof and the line-count of said

screens decreasing as the peripheries thereof increase, the screen of greatest line-count having substantially the periphery of the smallest of such surfaces and each other screen having a periphery substantially that of another of said surfaces, so that any surface against which a screen is fitted constitutes a gage to insure that said screen is properly positioned at a distance from said plate in accordance with the line-count of said screen.

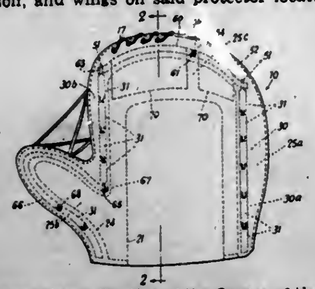
2,473,024
METHOD OF MAKING FABRICATED ARTICLES
Jon Gregg, New Hope, Pa.
Application September 29, 1944, Serial No. 556,399
3 Claims. (Cl. 12—146)



1. A process of making a layered article, comprising arranging strip portions of semicured rubber between strip portions of flexible fibrous material of the same width so that the semicured material is disposed between the strip portions of the flexible fibrous material, and then subjecting the article to heat and pressure in a mold for curing the semicured rubber to unite the flexible strip portions.

2,473,025
BASEBALL GLOVE
Jon Gregg, New Hope, Pa.
Application August 2, 1946, Serial No. 687,848
3 Claims. (Cl. 2—19)

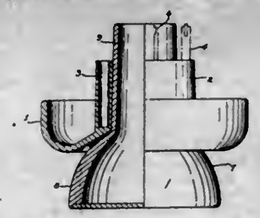
1. A catching glove, and a protector within said glove, said protector comprising rods interpivoted at adjacent ends, and extending around the periphery of the glove, said rods having knuckle joints to permit the glove to be bent forwardly but not back beyond a predetermined position, and wings on said protector located at



opposite sides of the tips of the fingers of the user of the glove to protect said fingers.

2,473,026
NUT DISH
Charles W. Heath, near Seattle, Wash.
Application August 17, 1945, Serial No. 610,925
5 Claims. (Cl. 65—15)

2. A nut dish comprising a central stand having a hollow bulbous lower portion closed at its bottom, and a relatively slender upper hollow stem admitting to the lower portion, and open at its top for reception of shells, and a relatively



shallow separable annular nut bowl having a central collar closely embracing said stem and upstanding above the peripheral rim of the bowl, said collar being vertically socketed for the reception of nut crackers, nut picks, and the like.

2,473,027
SPRING PRODUCT AND METHOD OF FORMING SAME
Harold C. Keysor, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 4, 1945, Serial No. 591,977
9 Claims. (Cl. 267—61)



1. The method of forming a spring bar of round stock adapted to be coiled right hand into a helical spring comprising the following steps, cutting to length a bar of spring stock, forming two converging tapering planes at one end thereof and forming two planes of taper at the other end thereof disposed at an angle in degrees with respect to the first-mentioned planes in accordance with the following equation:

$$180° \times \left[\frac{2(H-d)}{\pi D}\right],$$

wherein

$$\left[\frac{2(H-d)}{\pi D}\right],$$

represents the fractional part of the quantity obtained by substituting numerical values for H, d, π, and D in the function

$$\left[\frac{2(H-d)}{\pi D}\right]$$

H being the free height of the helical spring into which the bar is to be coiled, d the bar diameter, and D the mean coil diameter of said spring, whereby said bar upon coiling into a helical spring will have one of the surfaces at each end thereof substantially perpendicular to the helix axis of said spring.

2,473,028
COPPER BASE ALLOY
Kenneth H. Koopman, Kenmore, N. Y., assignor to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application December 10, 1946, Serial No. 715,335
7 Claims. (Cl. 75—159)

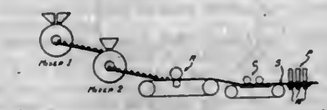
3. A copper base alloy containing 25% to 27% nickel; 30% to 32% zinc; 8.5% to 9.5% tin; 0.2% to 0.4% silicon; the remainder copper; the sum of the zinc and tin contents being less than 41% of the alloy.

2,473,029
NECKTIE RACK
Louis Kovacs, Astoria, N. Y.
Application April 16, 1946, Serial No. 662,593
4 Claims. (Cl. 211—96)



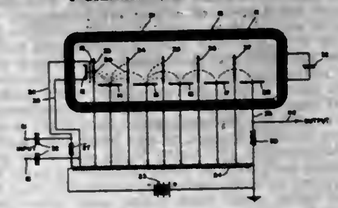
1. A necktie rack comprising a pair of spaced parallel bars, each comprising a metal channel member having side walls and a strip of wood positioned in said channel member, said channel members having inwardly turned flanges on the side walls thereof securely to clamp said strip in position, opposed side walls of said channel members and said strips each having longitudinally spaced holes therein substantially transversely aligned respectively across said parallel bars, said bars being adapted to be secured to a support, a series of wire forms, each composed of a single length of wire bent between its ends into a plurality of parallel reversely turned hanger arms extending in a common plane and at right angles to said ends, the extremities of said reversely turned arms being enlarged and substantially rounded, the wire connection means between consecutive hanger arms of each wire form being substantially aligned with the pivoting ends of said wire form, said ends being frictionally but pivotally mounted in a pair of transversely aligned holes in said bars, respectively.

2,473,030
COMPOSITION COMPRISING A COPOLYMER OF VINYL CHLORIDE-VINYL ACETATE AND GROUND PEANUT HULLS AND METHOD OF MAKING SAME
Herman M. Kulman, Atlanta, Ga., assignor to Kulastic Company, Inc., Atlanta, Ga., a corporation of Georgia
Application January 7, 1943, Serial No. 471,563
4 Claims. (Cl. 260—17.4)



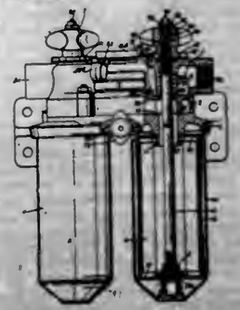
1. A composition of matter containing approximately 33%–22.57% by weight of a copolymer of vinyl acetate and vinyl chloride, up to approximately 20.72% by weight of plasticizer, approximately 10%–40.24% by weight of clay and approximately 57%–16.46% by weight of ground peanut hulls or shells.

2,473,031
ELECTRON MULTIPLIER FOR ULTRA HIGH FREQUENCIES
Christian C. Larson, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application April 14, 1945, Serial No. 588,315
6 Claims. (Cl. 250—175)



1. An electron multiplier system comprising a plurality of secondary electron emissive electrodes, a primary emitter of primary electrons mounted adjacent said electrodes, voltage means coupling said primary electron emitter and the first one of said electrodes for directing primary electrons from said primary emitter towards the first one of said electrodes, means magnetically coupling said electrodes for directing secondary electrons liberated from each of said electrodes towards the succeeding electrode, means coupled to one of said electron emitters for controlling the number of electrons passing between said electrodes in accordance with an input signal, means including members mounted between said electrodes for passing only electrons within a predetermined velocity range between successive electrodes, and means mounted adjacent the last one of said electrodes for collecting the electrons from the last one of said electrodes to derive an amplified output signal, thereby to reduce the electron transit time spread and to raise the frequency cut-off of said multiplier.

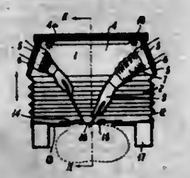
2,473,032
MULTIFILTER ASSEMBLY FOR FILTERING OIL OR LIQUIDS
Camille Clare Sprankling Le Clair, Acton, London, England, assignor to Tecalemit Limited, Brentford, England, a corporation of Great Britain
Application March 15, 1945, Serial No. 582,883
In Great Britain February 17, 1944
3 Claims. (Cl. 210—168)



1. A duplex filter of the class described, comprising a multi-unit common head, a carrier forming one of said head units, two spaced sepa-

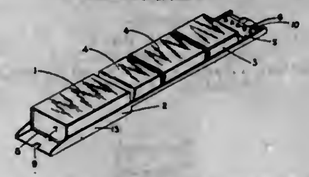
rate containers supported by said carrier, each container housing a filter element, said carrier being provided with spaced outlet ports communicating with the filter element outlets and with spaced inlet ports communicating with the filter element inlets, a valve plate forming a second of said head units and superimposed upon said carrier, said valve plate being provided with spaced outlet ports each of which communicates with one of said carrier outlet ports, said valve plate being provided with a main outlet port isolated from said first mentioned outlet ports and which communicates with an outlet passage formed in said valve plate, said valve plate being provided with spaced inlet ports each of which communicates with one of said carrier inlet ports, a valve cover forming a third of said head units and superimposed on said valve plate, said cover being formed with an inlet connection and a main inlet chamber in communication therewith and with said valve plate inlet ports, said cover being formed with an outlet passage in communication with said valve plate outlet passage, and a control valve turnably mounted on said valve plate controlling the flow of liquid through said valve plate ports, said control valve being provided with spaced inlet ports separated by an unperforated sector in face-to-face contact with said valve plate, said spacing being such that when one of said control valve inlet ports registers with one of said valve plate inlet ports, the other valve plate inlet port is masked by said unperforated sector, said control valve also being provided with a transfer passage in constant communication with said main outlet port in the valve plate and with one of said first mentioned valve plate outlet ports depending upon the position of the control valve, the arrangement being such that the inlet and outlet of a single filter element are operatively connected to the inlet and outlet of the duplex filter.

2,473,033
STERILIZED AND AIR-CONDITIONED CHAMBER FOR SURGICAL USES
Roger Letac, Marseille, France
Application October 10, 1946, Serial No. 702,512
In France September 3, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 3, 1965
2 Claims. (Cl. 128—1)



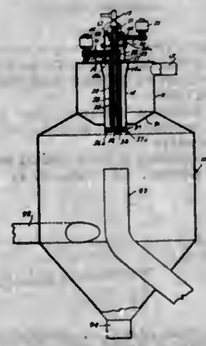
1. A sterilisable and air and heat-conditioned operating chamber of the kind comprising a flexible membrane at the lower part thereof adapted to be cut away at the time of incision, a sight glass for the operator at the upper part of said chamber, and a plurality of flexible glove members extending into said chamber, characterised in that the chamber is a rectangular prism at its upper part and a compressible bellows construction of reduced cross-section at its lower part, whereby the chamber can be manipulated to a relatively small size permitting of its introduction as a complete entity into an autoclave for sterilisation purposes, said flexible membrane being adjustable vertically relatively to the upper part of the chamber within wide limits by means of the said bellows construction so facilitating correct and air-tight positioning of the said flexible membrane onto the body of the patient.

2,473,034
DISCHARGE LAMP BALLAST ASSEMBLY
John Shaheen, West Roxbury, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application August 23, 1945, Serial No. 612,274
1 Claim. (Cl. 175—298)



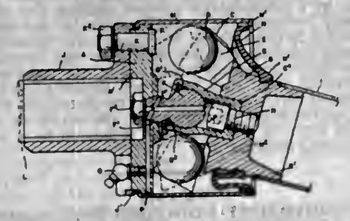
A ballast assembly for electric discharge lamps, said ballast assembly comprising: a unitary elongated metal supporting piece having its bottom portion substantially flat and having upwardly-extending longitudinal flange portions along substantially its entire length and having along part only of its length a pair of re-entrant steps, each step extending upwardly from said bottom portion and inwardly from a flange portion, a plurality of inductors placed end to end and mounted between said flanges and resting on said steps to form a duct, and a condenser extending between the flanges and fixed to the bottom of said metal piece at the end of said pair of reentrant steps at the end of the duct.

2,473,035
SPRAY DEVICE
Reginald E. Meade, Newell E. Taylor, and John F. Crews, Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif., a corporation of California
Application November 2, 1945, Serial No. 626,219
6 Claims. (Cl. 299—63)



1. In an atomising device, a rotatable atomiser member having an axis of rotation, a plurality of circumferentially spaced teeth on said member disposed in an annular zone about said axis, means for rotating said member in one direction of rotation, said teeth having forward faces with respect to said direction of rotation of substantial area extending from the inner and forward edges of said teeth outwardly and inclined backwardly from the radius of said axis of rotation with respect to said direction of rotation, a distributor for liquid material disposed radially inwardly of said teeth for directing substantially all of said liquid material into the path of said forward surfaces during said rotation, whereby said liquid material is struck by said forward surfaces to atomise said liquid material and direct the atomized material outwardly from said atomizing device.

2,473,036
CONSTANT VELOCITY UNIVERSAL JOINT
Fred F. Miller, Jr., Berkley, Mich., assignor to The Gear Grinding Machine Company, Hamtramck, Mich., a corporation of Michigan
Application July 5, 1944, Serial No. 543,522
3 Claims. (Cl. 64—21)



2. A torque transmitting universal joint comprising a pair of rotary main members having oppositely axially extending interspersed lugs, the opposed faces of the lugs in the two members being fashioned with complementary grooves each extending obliquely to and outwardly diverging from a point in the axis of its corresponding member, balls in said grooves, and a central axial tie connection between said members independent of and spaced from said lugs, said tie connection including members rigidly connected respectively with said main members and having a non-torque transmitting ball and socket fixed center universal joint therebetween said socket completely surrounding said ball whereby said main members are always held to a fixed center of oscillation.

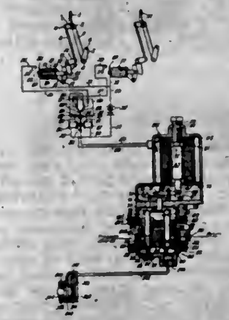
2,473,037
CHAIR WITH FOLDING TABLE LEAF
Erving B. Morgan and Royce W. Clay, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application June 7, 1947, Serial No. 753,344
2 Claims. (Cl. 155—138)

1. In a chair structure provided with an upright supporting standard having a light emitting opening through its wall near the upper end thereof, having a lamp positioned on the inner side of the standard adjacent said opening, and having a table leaf mounted on a bracket associated with the standard for swinging movements to a forwardly extending position with the table leaf extending forwardly of the chair for use and to a downwardly extending position with the table leaf beneath the chair seat: a unitary member secured to the inner side of the standard and having a cover portion forming with the standard a housing for the lamp and a depending bearing



portion on which the bracket is swingably mounted.

2,473,038
ELECTRICALLY CONTROLLED VALVE MEANS
Edward A. Rockwell, Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 24, 1945, Serial No. 595,578
14 Claims. (Cl. 121—41)

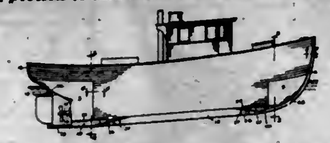


1. In combination, a source of fluid pressure, a modulating valve controlling the delivery of increasing pressures to a device to perform work, and an electrical control mechanism remote from said modulating valve and connected thereto by an electric circuit having a valve-operating solenoid therein provided with a lever connection to said valve arranged to control the operation of said valve and affording a decreasing mechanical advantage between said valve and solenoid, said control mechanism having a manually operated reaction device in said circuit for effecting energization of said solenoid and adapted to produce a reaction corresponding to the pressures delivered.

2,473,039
COMPOSITE SHIP CONSTRUCTION
Rolland C. Sabins, Seattle, Wash.
Application July 1, 1944, Serial No. 543,106
16 Claims. (Cl. 114—65)

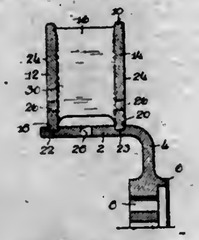
1. A boat hull comprising a hollow metal stern hull bottom portion, a hollow metal bow hull bottom portion, a wooden hull portion between said stern hull portion and said bow hull portion, and further extending from stem to stern of the hull.

above said metal stern and bow hull bottom portions, and means securing said central wooden hull portion to said metal stern and bow hull por-



tions so that the exterior surfaces of said metal hull portions and said central hull portion conjointly form a smooth hull contour.

2,473,040
BRAKE ROTOR
Walter L. Schlegel, Jr., Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 19, 1944, Serial No. 550,197
6 Claims. (Cl. 188—264)



1. In a brake rotor, a substantially cylindrical support member, a brake ring cast about said member and comprising a pair of spaced annular friction plates defining a fluid chamber, and a plurality of blades extending therebetween, each plate having a serrated inner perimeter providing projections radially extending into openings adjacent the outer peripheral edge of said member for interlocking said ring and member, each projection being slidably fitted in the associated opening to permit radial movement of said ring relative to said member and encompassed by the sides of said opening to prevent movement of said ring axially and circumferentially of said member, fluid inlets through said member communicating with said chamber, and fluid inlets through said plates adjacent their juncture with said member, said member having on its inner periphery an annular flange intermediate the edges of said member and connected to a hub member.

2,473,041
HIGH-FREQUENCY ELECTROSTATIC FIELD APPARATUS FOR EGG PASTEURIZATION
Walter M. Urbain, Western Springs, and Paul Schauert, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
Application August 9, 1945, Serial No. 609,772
2 Claims. (Cl. 99—253)

1. A device to pasteurize and stabilize shell eggs by heating the egg meat in its shell without appreciable coagulation comprising means to produce an alternating electrostatic field of the order of between 1 to 40 megacycles per second, said means including a pair of condenser plates disposed oppositely to each other and adjustable toward and away from each other, each of said plates being provided with a plurality of cooperating pairs of impressed shaped portions each of which impressed portion is adapted to generally surround the end of the shell of an egg, each of said plates being associated with the shell eggs to be treated by being spaced therefrom to provide an air gap between the ends of the eggs and each of the impressed portions of the plates, means in the form of a ring concentrically fixed in said impressed portions of the plates, said ring means being formed of a material having a relatively low loss factor as compared with the egg



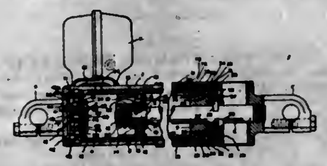
meats to be treated, said ring meahs each having an internal diameter to engage around the outside surface of the end of an egg to support the egg in a substantially upright position and generally concentrically with respect to the cooperating impressions in the plates, said condenser plates being operative to distribute said field substantially uniformly throughout the individual meats of shell eggs positioned between the impressed portions and between the plates, the meat of said eggs being subjected to the action of said field whereby the egg meat is heated to a pasteurizing temperature.

2,473,042
3,5-DIHYDROXY-4-DIHYDRO-THIADIAZINE-1-DIOXIDE AND ITS PREPARATION
Henry A. Walter, Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 6, 1947. Serial No. 766,894
2 Claims. (Cl. 260—243)

1. 3,5-dihydroxy-4-dihydro thiadiazine-1-dioxide.

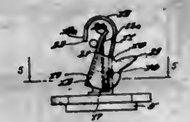
2,473,043
SHOCK ABSORBER STRUCTURE
Ralph H. Whisler, Jr., Monroe, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application August 28, 1944, Serial No. 551,531
9 Claims. (Cl. 277—45)

7. A valve assembly of the class described com-



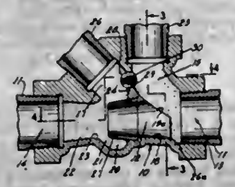
prising a pair of relatively movable members forming a hollow enclosure, one of said members having a passage for supplying hydraulic medium to the interior of said enclosure, the other of said members having one or more passages for discharging hydraulic medium from said enclosure, a disc valve within said enclosure controlling the flow of hydraulic medium through said supply passage, means including an abutment member within said enclosure for limiting the opening movement of said valve, said abutment member extending through a wall of said enclosure and having a passage for discharging hydraulic medium from said enclosure, and spring means sleeved on said abutment member and normally closing said valve.

2,473,044
SELF-LOCKING SAFETY CATCH
Morton Yasnor, Brooklyn, N. Y.
Application February 3, 1945, Serial No. 575,982
1 Claim. (Cl. 24—157)



A self-locking safety catch, comprising a bar having a base and a hook overlying the base and spaced therefrom, the bar being formed with integral trunnions on the opposite side thereof, a guard having side wings provided with bearing openings which receive the trunnions and provided with a terminal portion which engages the inner side of the hook, said first-named bar having an integral lug disposed in clamping relation thereto, and a flat spring having a hooked lower end secured by said lug and a curved upper end disposed in pressure engagement with the inner surface of the guard, whereby said guard will be held in pressure contact with the hook, the guard being displaced inward by the pressure of a pin against the same and one of the wings of the guard being formed with an integral lever arm to move the guard against the pressure of the spring.

2,473,045
PIPE FITTING
Charles Adams, Jr., Croton on Hudson, N. Y.
Application December 21, 1944, Serial No. 569,157
3 Claims. (Cl. 237—59)



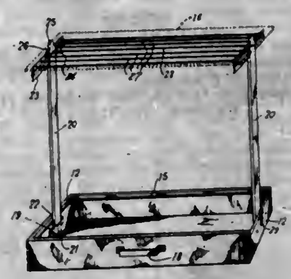
1. A pipe fitting comprising a body having a main inlet and a main outlet for connection in a circulating main of a heat-transfer system, a main passage connecting said inlet and outlet, a supply branch leading from said main passage near said inlet to supply fluid to heat transfer means, means for diverting fluid from the inlet end of said main passage to said supply branch, means including a return branch to return fluid from said heat transfer means to said main passage beyond said supply branch, a wall separating the supply branch and the return branch and having a shunt passage connecting said branches, and a valve extending across said passage for controlling the flow of water therethrough.

2,473,046
PIPE CLAMP
Charles Adams, Jr., Croton on Hudson, N. Y.
Application November 29, 1945, Serial No. 631,692
1 Claim. (Cl. 285—194)



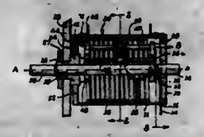
In a device of the character described, a housing for pipe having at its inner surface recesses extending in the same general direction as the axis of the housing, each recess having an inclined bottom whereby the recess increases in depth toward one end and a transverse bearing angle at said end, and a wedge with a transverse edge pivotally engaging said bearing angle, a straight toothed bottom to engage a pipe and a top extending from said transverse edge at a greater inclination than the bottom of the recess when the toothed bottom of the wedge is parallel to the axis of the clamp.

2,473,047
PORTABLE CLOTHES DRIER
Israel Bershad, Brooklyn, N. Y.
Application August 17, 1944, Serial No. 549,875
1 Claim. (Cl. 211—177)



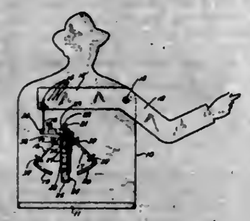
A clothes dryer comprising a support having two opposed vertical and parallel walls, said walls having brackets secured to the inner faces thereof, said brackets having vertical openings therethrough, posts rectangular in cross-section and having reduced lower extremities providing horizontal shoulders near the lower ends of said posts, said lower extremities of said posts removably registering in said bracket openings with said shoulders resting on said brackets, said posts thereby being removably and loosely mounted in said brackets, said posts having cross-arms secured thereto near the upper ends thereof, cords strung between said cross-arms, a rigid roof-like panel member removably mounted on said posts to provide a cover for said cords and simultaneously a rigid spacer between the upper ends of said posts to prevent tipping of said posts toward each other, said member having centrally positioned lateral rectangular slots therein near the ends thereof, said upper ends of said posts having reduced dimensions and registering in said slots of said rigid member.

2,473,048
VARIABLE RESISTANCE UNIT
Arnold O. Beckman, Altadena, Calif., assignor to National Technical Laboratories, South Pasadena, Calif.
Application October 22, 1945, Serial No. 623,643
17 Claims. (Cl. 201—56)



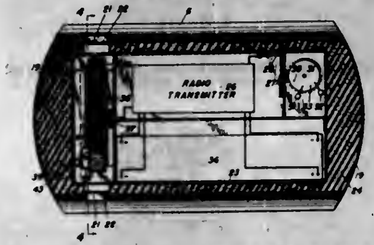
1. In a variable resistor, the combination of: a resistance element providing a plurality of turns disposed spirally about an axis, the sides of adjacent turns forming a spiral space; a rotor journalled to turn about said axis; a guide member rigidly secured to said rotor and extending transversely of said turns to move a predetermined distance from said turns, said guide member providing an axis; and a contact assembly slidable along said guide member parallel to the axis thereof and providing a guide element extending into said spiral space, the axis of said guide member being disposed at such an angle relative to the axis of said turns as to dispose said guide element substantially parallel to the sides of adjacent turns, said contact assembly including a contact engaging said resistance element.

2,473,049
ELECTRIC MOTOR
William E. Bledsoe, Jr., Milwaukee, Wis., assignor to Badger Carton Co., Milwaukee, Wis., a corporation of Wisconsin
Application July 30, 1948, Serial No. 41,541
8 Claims. (Cl. 172—126)



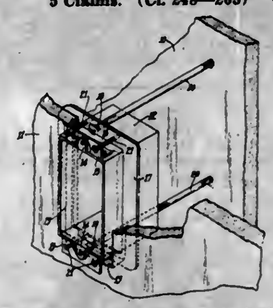
7. In combination, a portion of an animated display card forming a support, a pendulum, means mounting the pendulum for swinging movement to and fro relative to a face of the display card, an electric coil carried by a lower portion of the pendulum, a pair of spaced armatures fixedly mounted relative to the pendulum along the arc of movement of said coil, a dry cell carried by the pendulum, a normally open electrical circuit including the coil and dry cell, a switch mounted on said pendulum and included in said circuit, said switch operating automatically to momentarily close and then open said circuit during certain swinging movements of the pendulum, a movable element carried by and forming part of the animated display card, and a motion transmitting extension connected between the pendulum and said movable element.

2,473,050
EMERGENCY RADIO SIGNAL FOR AIRPLANES
Charles J. Camp, Palo Alto, Calif.
Application January 13, 1947, Serial No. 721,848
12 Claims. (Cl. 250—17)



1. A signalling unit for expulsion from an airplane, comprising an outer casing having concaved sides and convexed ends, an inner casing shock mounted in said outer casing and having a broadcasting transmitter positioned therein, a collapsible antenna rotatably positioned therein, and means for ejecting said antenna through said outer casing and in substantially vertical position.

2,473,051
ADAPTER
Louis C. Carlson, South Ozone Park, N. Y.
Application January 17, 1945, Serial No. 573,288
5 Claims. (Cl. 248—205)

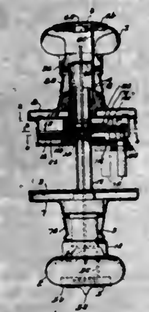


1. An adapter for mounting a device in an opening in a front wall accessible from the exterior only comprising a flat frame of rectangular form conforming in shape substantially to said opening and having a central opening for a receptacle and having upper and lower threaded bores therein, screws passing through said bores and engaging a spaced rear wall to jam the frame against the inner surface of the front wall in register with said opening at the top and bottom thereof, and means for attaching to said frame a receptacle to be supported in said wall and receptacle openings.

2,473,052
KEYLESS LOCK
Hancil Cordrey and Walter J. Duvall, Chula Vista, Calif.
Application May 24, 1948, Serial No. 28,818
8 Claims. (Cl. 292—150)

1. A keyless lock having an inner door knob assembly, an outer door knob assembly, tubular

cores secured to each door knob, separate operating stems engaging with said cores, a casing intermediate said door knob assemblies, a pair of shuttle plates arranged in said casing and guided for movement in parallel planes to one another, one being operated by one stem and the other shuttle plate by the other stem, the latch of the lock being directly operated by one shuttle plate and indirectly by the other shuttle plate through the first mentioned shuttle plate, locking means comprising an operable member mouned on each door knob assembly; a locking



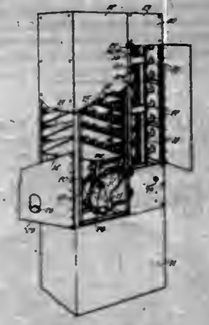
and unlocking member extending between and engaged by the operable members; a stationary plate positioned in said casing between said shuttle plates; and locking means carried by one of said shuttle plates and operated by the operable member mounted on one door knob to lock said shuttle plate carrying the locking means to the stationary plate and prevent operation of the lock by the other door knob until release of said locking means by actuation of said operable member mounted on either door knob assembly.

2,473,053
REGISTER CONSTRUCTION
William C. De Roo, Holland, Mich., assignor to Hart & Cooley Manufacturing Company, Holland, Mich., a corporation of Delaware
Application September 15, 1947, Serial No. 774,017
1 Claim. (Cl. 98—114)



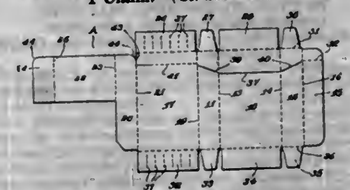
In a structure as described, a conduit having an open end, a plurality of ears extending into said conduit near the open end, each ear having a screw threaded opening therethrough, an open grille frame having an outer face adjacent the open end of the conduit, inturned flanges on said face insertable into the open end of the conduit, said flanges having openings therethrough aligned with said ears and bracket members removably insertable into said openings and each having a ledge extending inwardly from the flange adjacent an ear and each ledge having a screw passing hole therethrough each bracket having a leg extending upwardly from the ledge, a section at right angles to the leg and a terminal portion on said section bearing against the outer wall of the flange.

2,473,054
BOTTLE VENDING MACHINE
Jefferson R. Donaldson and Newton M. Hulse, Dallas, Tex., assignors of thirty-three and one-third per cent to Dora E. Carter, Dallas, Tex.
Application November 29, 1945, Serial No. 631,632
3 Claims. (Cl. 312—48)



1. A bottle vending machine including juxtapositioned storage and delivery compartments, inclined superimposed bottle supporting plates in said storage compartment defining magazines from which bottles are transferred into said delivery compartment individually and successively from the uppermost to the lowermost magazine, endless conveyor means in said delivery compartment, outwardly hanging means depending from each of said plates, restrained by bottles on said conveyor means for holding bottles against release from a magazine until the next highest magazine is depleted, spaced means on said conveyor means for receiving bottles singly from said magazines and for maintaining axial alignment thereof during transfer and means at the lower end of said storage compartment for receiving bottles singly from said conveyor means and for reversing their positions for delivery.

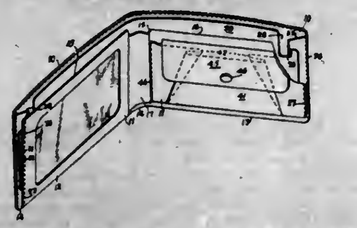
2,473,055
RECLOSING CARTON
Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application January 5, 1945, Serial No. 571,442
1 Claim. (Cl. 229—37)



A carton blank comprising a series of four side wall panels foldably connected together, a glue flap connected to one panel at one end of the series, a series of three liner panels foldably connected to a second side wall panel of the first

named series, a fold line in said glue flap and a corresponding fold line in said second side wall panel, a cut line substantially the width of said glue flap forming that portion of the said corresponding fold line to be overlapped by said glue flap, a cut line in said one side wall panel and in the remaining side wall panels of said first series, said cut lines being in continuation of one another and connecting the fold line in said glue flap with the fold line of said second side wall panel, closing flaps hingedly connected to the top and bottom edges of said side wall panels of said first named series, all of the liner panels with the exception of the one connected to said second side wall panel being less than one-half the height of said side wall panels of said first named series.

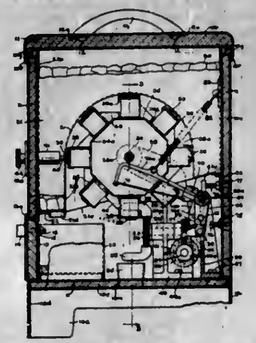
2,473,056
BILLFOLD WITH GUSSET POCKET
Roe F. Henderson, Springfield, Ohio, assignor to The Springfield Leather Products Co., Springfield, Ohio, a corporation of Ohio
Application October 16, 1944, Serial No. 558,789
2 Claims. (Cl. 150—38)



1. A billfold comprising, a front wall, a rear wall, gusset end walls V-shaped in transverse cross-section having opposite edges thereof secured to said front wall and said rear wall, one of said gusset end walls being positioned in each end of the billfold with the apex of the gusset end wall disposed inwardly of the bill receiving compartment formed between the front wall and the rear wall, a partitioning wall disposed in the bill receiving compartment and connected to said gusset end walls along the apices thereof, and means extending from said partitioning wall through the apex of at least one of said gusset end walls and having means thereon to regulate the maximum outward extension of the gusset walls and thereby prevent the same from extending beyond the end edges of the billfold.

2,473,057
BUTTER DISPENSING MACHINE
Leonard Herber, Minneapolis, Minn.
Application February 25, 1946, Serial No. 649,964
12 Claims. (Cl. 31—20)

2. A butter-dispensing machine having in combination, a member rotatable about a central longitudinal axis, a plurality of chambers carried by said member arranged in radially disposed and circumferentially spaced position, each of said chambers being open at one side and adapted to receive and guide an elongated block of butter, a pair of sprockets, an endless chain running over said sprockets and having a side extending substantially parallel to said chambers, said chambers being successively positioned adjacent said side of said chain by rotation of said first mentioned member, butter-propelling members carried by said chain adapted to extend through the open side of the chamber adjacent said chain, enter one end thereof and pass out at the other end thereof, said chain being movable only in one direction, a substantially three-sided swinging frame having an open side, a rectilinear wire secured at its ends in said frame and movable across



the end of said chamber adjacent said chain, a handle, and means actuated by movement of said handle for swinging said frame to cut a slice of butter and means for then moving said frame upwardly and moving said chain and butter-propelling members a distance equal to the thickness of said slice.

2,473,058
AWNING BRACKET
Martin Hoeldtke, St. Petersburg, Fla.
Application May 24, 1947, Serial No. 750,230
3 Claims. (Cl. 160—23)



1. An awning structure having an inclosure formed by an attaching backing, ends, a forwardly and downwardly curved front and bottom, respectively, a trough at the lowermost portion of the front and open adjacent to the ends, a roller journaled in the enclosure, the bottom being open, a flexible sheet-like awning section movable thru the opening in the bottom for winding on and from the roller, and adjustable hook bolt means coacting with the enclosure and the roller for relieving strain upon the latter when the awning has been extended or retracted.

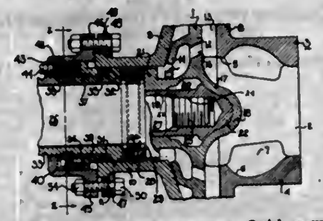
2,473,059
BEARING ALLOY
Harold Y. Hunsicker, Cleveland, and Louis Walter Kempf, Shaker Heights, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 14, 1945, Serial No. 628,659
5 Claims. (Cl. 75—138)

1. A bearing composed of an alloy consisting of 5 to 25 per cent by weight of tin, 5 to 12 per cent by weight of silicon and 0.5 to 10 per cent by weight of silver, the balance being principally aluminum with impurities not exceeding 2 per cent by weight of the alloy.

2,473,060
BEARING ALLOYS
Harold Y. Hunsicker, Cleveland, and Louis Walter Kempf, Shaker Heights, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 14, 1945, Serial No. 628,660
6 Claims. (Cl. 75—140)

1. A bearing composed of an alloy consisting of 5 to 25 per cent by weight of tin, 5 to 12 per cent by weight of silicon and 2 to 10 per cent by weight of copper, the balance being principally aluminum with impurities not exceeding 2 per cent by weight of the alloy.

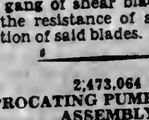
2,473,061
SHAFT SEAL
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application October 4, 1943, Serial No. 504,826
6 Claims. (Cl. 103—111)



1. A seal for a high pressure fluid pump including a shaft adapted to receive an impeller, a casing adapted to be mounted about the impeller, said casing having a hollow hub like portion surrounding the shaft but spaced therefrom to leave an annular compartment, a sealing ring in said compartment adapted to bear against said impeller and a cylindrical member surrounding the shaft and contained within said compartment for applying pressure to said ring to prevent leakage in the radial direction, said member having a flange which bears at one side against the ring and at the other side is adapted to receive a packing ring, and means for applying pressure against said packing ring to prevent leakage in the longitudinal direction, said means comprising a spacing ring containing equidistantly disposed compression springs which bear against a metal ring, said metal ring being in contact with said packing ring whereby said compression springs apply yielding pressure to said packing ring.

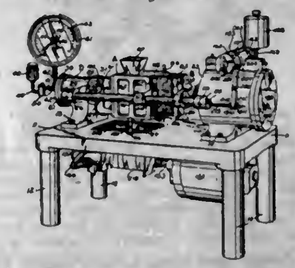
2,473,062
SURGICAL BANDAGE
Carlton L. Kennedy, South Braintree, and Kenneth W. Macdonald, Watertown, Mass., assignors to The Seamless Rubber Company, New Haven, Conn., a corporation of Connecticut
Application June 14, 1947, Serial No. 754,662
2 Claims. (Cl. 128—156)

1. A bandage of the type described, comprising an adhesive-coated strip provided intermediate of its ends with a pad, the end portions of the strip adapted for folding down to an overlapping position over the face of the pad, said end portions carrying interiorly relatively stiff protective layer elements for the adhesive, each element at its end adjacent the pad having a short reversely angled outstanding tab portion free from the strip and adapted to assume its outstanding position with reference to the strip when the bandage is in unfolded position, the tab portions in the folded position of the bandage overlapping only



respective small areas at the ends of the pad face, and both tab portions being released and brought to their respective outstanding positions to facilitate stripping off of said protective elements when and as the bandage is unfolded.

2,473,063
SHEAR TENDERNESS TESTER
Charles E. Kerr, Hoopeston, Ill., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application February 25, 1946, Serial No. 650,013
20 Claims. (Cl. 73—101)

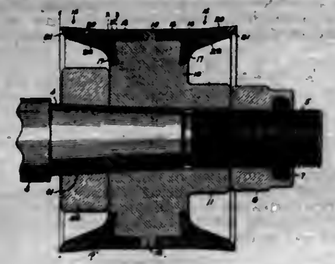


3. An apparatus for testing the tenderness of a product comprising a receptacle having a chamber therein for the reception of the product to be tested, said receptacle being provided with a plurality of slots in an end wall thereof and a series of aligned grooves in opposite side walls, a gang of shear blades slidably mounted in said grooves for reciprocation through said slots and the product in said chamber, means for reciprocating said gang of shear blades, and means for measuring the resistance of said product to the shearing action of said blades.

2,473,064
RECIPROCATING PUMP PISTON AND ASSEMBLY
Arthur L. Leman, Houston, Tex.
Application September 21, 1945, Serial No. 617,733
10 Claims. (Cl. 309—4)

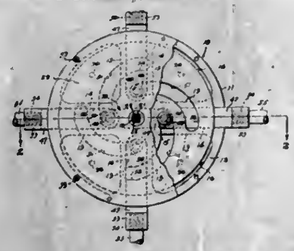
1. A double-acting reciprocating-pump piston comprising a metallic core with a medial flange and a smaller circular surface on either side of the flange extending axially to an inwardly receding substantially transverse surface that is closer to the mid-section than to the end of the piston, and a rubberous packing molded on the core with its outside surface substantially flush with the periphery of the medial flange, and having an inner surface open to the fluid from the outer end of the packing to a transverse plane at not greater axial distance from the inner than from the outer end of the packing, said trans-

verse plane also being at a less distance from the inwardly receding substantially transverse sur-



face than the latter is from the piston mid-section.

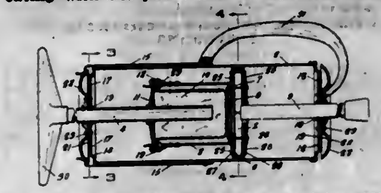
2,473,065
LOCK FOR CLOSURES
Karl Miller, Detroit, Mich.
Application May 23, 1946, Serial No. 671,773
1 Claim. (Cl. 292—37)



A closure lock comprising a casing member attachable to the closure, a cover member secured to said casing member and having a circular cavity therein, said casing member having a plurality of radial ribs with guide grooves therein, a plurality of locking plungers reciprocably mounted in said guide grooves, a circular cam of substantially the same size as said cavity rotatably mounted in said cavity with its opposite faces abuttingly engaging the top surfaces of said radial ribs and the bottom surface of said cover member cavity respectively, the bottom surface of said cover member cavity engaging the cam over substantially the entire area of one face thereof, and the other face of the cam engaging substantially the entire area of the outer faces of the locking plungers whereby the locking plungers will be retained in the guide grooves in the radial ribs, said cam having a plurality of outwardly extending arcuate cam portions thereon, cam followers engaging said cam portions and connected to said plungers, and a handle connected to said cam for rotating said cam.

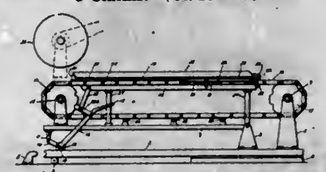
2,473,066
VACUUM CLEANER
Camille Miller, Hamilton, Ontario, Canada
Application July 26, 1946, Serial No. 686,599
In Canada April 25, 1946
9 Claims. (Cl. 183—37)

1. In a suction cleaner of the character described, a cylinder, a hollow piston reciprocal therein to create a reduced air pressure in the cylinder on one side of the piston, said piston having an air port in each of its side faces, air suction operated valves controlling passage of air through the ports, a chamber carried by the piston and reciprocating therewith and communicating with the portion of the cylinder having



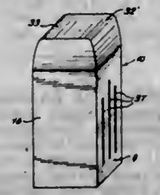
a reduced air pressure, a dust receiving filter bag contained within the chamber, and a suction tube extending into the cylinder and into the chamber and having its inner end contained within the dust receiving bag.

2,473,067
MACHINE FOR APPLYING RUBBER TIRE TREADS TO CARCASSES
Edwin Miller, Jeannette, Pa.
Application November 21, 1946, Serial No. 711,413
3 Claims. (Cl. 154—9)



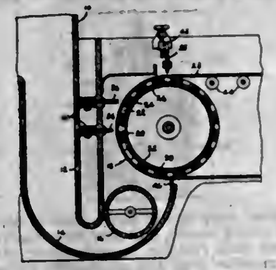
3. Apparatus for applying a rubber tire tread to a tire carcass that is mounted on a rotatable drum, comprising a conveyor mounted for traveling movement past the drum, guide bars on the conveyor and relatively adjustable to respectively engage the ends of a tread that is placed on the conveyor, and pointed studs on the conveyor, between the guide bars for engagement with the adjacent face of a tire tread to hold it against slipping.

2,473,068
SYRINGE
Rebecca Nalpantian, San Francisco, Calif.
Application July 24, 1945, Serial No. 606,772
3 Claims. (Cl. 128—227)



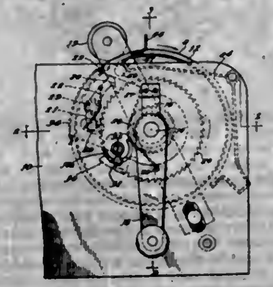
1. In a cabinet syringe; a cabinet having a main reservoir for reception of liquid to be employed; a hollow hose-supporting extension on the reservoir, the interior of which communicates with the main reservoir to increase the capacity of the reservoir; and a discharge hose connected to the reservoir and arranged to be coiled around the extension when the hose is not in use.

2,473,069
APPARATUS FOR MANUFACTURE OF PAPER
Nicholas J. Niks, Munising, Mich.
Application April 27, 1945, Serial No. 590,627
7 Claims. (Cl. 92—44)



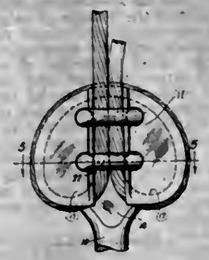
2. The combination in a paper making machine of a rotatably supported breast roll, a wire belt supported thereby and contacting the same over substantially half of its periphery, means for supplying paper stock to said belt, means comprising a plurality of slices for controlling the thickness of the layer of paper stock which is carried away by said belt, and means for controlling the moisture content in said layer comprising perforations in said roll, an adjustable valve member within said roll for adjustably effecting fluid communication with the greater portion of the perforations in the said one-half of the periphery of said roll, and conduit means for supplying fluid to the interior of said valve member.

2,473,070
LINE PRINTER DEVICE FOR DUPLICATING MACHINES
Eric W. Peterson, Spring Lake, Mich.
Application January 2, 1947, Serial No. 719,653
10 Claims. (Cl. 101—132)



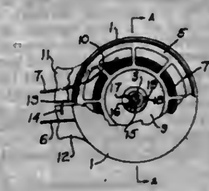
1. In a duplicating machine a master drum having means to mount a master copy on its surface, heading master supports at opposite ends of the drum, means mounting the supports and drum for relative circumferential movement about the axis of the drum, said supports having means thereon to mount a heading master sheet over a portion of the drum in overlying position with respect to a portion of the master copy receiving surface of the drum, drive means to rotate the supports and the drum including a releasable drive connection between the drum and said supports, and means operable upon each rotation of the supports to release said drive connection temporarily, and power means, acting while the drive connection is released, to advance the drum a short distance in the direction of rotation with respect to said heading master mounting means.

2,473,071
CABLE CLAMPING DEVICE
Chester R. Pieper, Warrenton, Mo.
Application July 9, 1947, Serial No. 759,771
3 Claims. (Cl. 24—135)



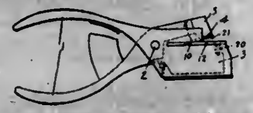
1. A rod having means for securing a cable thereto, said means comprising a discoidal body formed on said rod with the plane of said body disposed at an angle to the axis of said rod, said body having a diametrical cable-receiving channel in alignment with the rod and a peripheral cable-receiving channel communicating with the lower end of said diametrical channel, and cable clamping means extending transversely of said diametrical channel.

2,473,072
LINE DISPENSING CONTAINER
Clifford E. Plouff, Seahurst, Wash., assignor, by mesne assignments, to Pacific Manufacturing & Engineering Corp., Seattle, Wash., a corporation of Washington
Application March 11, 1946, Serial No. 653,580
7 Claims. (Cl. 242—142)



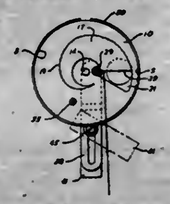
1. A container for line, comprising two parts complementally shaped to contain such a line, means joining said parts for limited relative movement about a common, centrally disposed axis, a pair of complemental snipping elements, one carried by each container part, and means reacting between said two complemental parts, yieldably urging said complemental snipping elements apart, said snipping elements upon approach being relatively disposed to snip a line interposed therebetween.

2,473,073
PUNCH
Albert A. Remboldt, San Francisco, Calif.
Application February 1, 1947, Serial No. 725,864
3 Claims. (Cl. 164—120)



1. A punch comprising a punch member and a die member complementary thereto, two pairs of spring arms supporting said punch member spaced from said die member for movement into the latter against the tension of said arms upon force being applied to said punch member in a direction toward said die member, one of said pairs of arms being connected at one of their ends to said punch member, the other pair of arms being connected at one of their ends to said die member, the opposite ends of said other pair being respectively connected to one of the opposite ends of the arms of said first mentioned pair, the pair of arms connected to said die member being disposed outwardly of the pair of arms connected to said punch member and said arms, punch member and die member being integrally united.

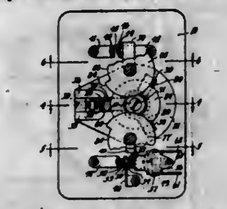
2,473,074
REEL FOR MOTION-PICTURE FILMS
Robert J. Reynolds, Trotwood, Ohio
Application August 6, 1946, Serial No. 688,674
15 Claims. (Cl. 88—18.7)



1. A reel for a motion picture film comprising laterally spaced side member and having means whereby it may be mounted on a supporting structure and held against rotation, one of said side members having an opening through which the inner end portion of a film wound on said reel may be withdrawn, a normally extended retractible film supporting device mounted between said side members adjacent the center of the reel and on which the film is wound, and means controlled by the mounting of the film on said supporting structure for retracting said film supporting device and thereby releasing the inner end portion of the film for free movement with relation to the reel.

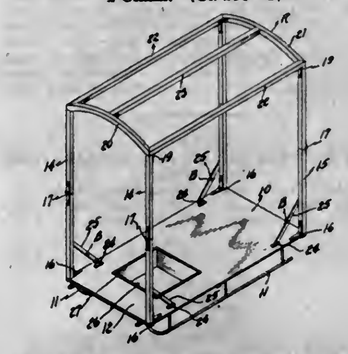
2,473,075
CONDITION RESPONSIVE SWITCH
John O. Roesbe, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 13, 1943, Serial No. 502,097
6 Claims. (Cl. 200—138)

1. In a control device, in cooperation, a unitary driving member, a first driven member having a limited movement, a second, driven member having a larger movement, means for limiting the movement of said first and second driven members, and means for holding said first and second driven members in frictional engagement with said unitary driving member, said means comprising a plurality of frictional elements radially positioned within said first and second driven members in slip frictional engagement with said driv-



ing member, only one of said elements being adjustably spring biased, and said elements being so positioned with relation to each other and said driving member that the adjustable spring bias of said one element causes an equal distribution of frictional engagement among all of said elements.

2,473,076
COLLAPSIBLE STRUCTURE FOR ICE FISHING
Carl Schelbner, Bay City, Mich.
Application June 27, 1947, Serial No. 757,353
1 Claim. (Cl. 296—1)



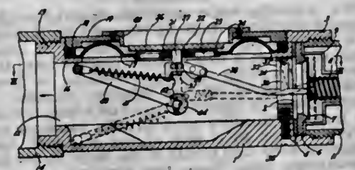
A collapsible unit of the character described, comprising a sled having a floor, a collapsible superstructure mounted thereon and foldable entirely within the marginal limits of the sled floor, said superstructure comprising a plurality of vertical corner uprights, each upright comprising a plurality of hingedly connected sections with the lower sections hingedly connected to the floor, foldable braces hingedly connected to the sled floor and to the lower section of each corner upright, a rigid roof frame hingedly connected to the upper ends of the upper sections, said superstructure being adapted to be entirely covered and enclosed by a canvas covering, an opening in the sled floor, a bottomless, vertically adjustable box mounted therein and forming a closed passage from the sled floor to the ice, when the box is in its lowered position, a continuous, outwardly-projecting shoulder provided on the upper edge of the box, said shoulder engaging the floor when the box is in lowered position and forming a light-proof and weather-proof joint between the box and said floor.

2,473,077
TREPANNING TOOL
Robert M. Starbuck, Jr., Hartford, Conn.
Application July 6, 1946, Serial No. 681,688
1 Claim. (Cl. 145—120)



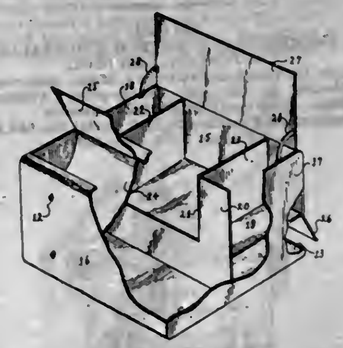
A trepanning tool comprising a thin walled hollow cylindrical body member having a continuous row of integral uninterrupted cutting teeth extending around one end, a head secured thereto at the opposite end and having a central axially extending driving member for said tool formed thereon, said body member having spaced inclined slots formed in its cylindrical wall and extending approximately to said cutting teeth, and a central axially extending twist drill mounted within said head and extending beyond the plane of the annular cutting teeth.

2,473,078
VALVE
John P. Strange, Wilkinsburg, and William P. Yant, Murraysville, Pa., assignors to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 5, 1946, Serial No. 652,078
14 Claims. (Cl. 128—142)



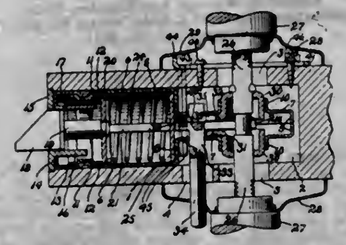
6. A combined positive pressure and inhalation valve through which oxygen under pressure may be supplied to the wearer of breathing apparatus, said valve comprising a housing provided with an open side and with an inlet and an outlet for said oxygen, a flexible diaphragm covering said open side of the housing and provided centrally with a plurality of ports, an exhalation valve member outside the housing adapted to seal said ports, a stem secured to said member and extending slidably through one of said ports, a valve member for said inlet urged toward closed position, a lever pivotally mounted in the housing for opening said inlet valve, and means operatively connecting said stem to the lever for actuating it to open the inlet valve when said exhalation valve member is pressed inwardly manually or is drawn inwardly by inhalation of said wearer.

2,473,079
TRAVELING BAG
Clair P. Thompson, Lansing, Mich., assignor, by mesne assignments, to The Tot Traveler Corporation, Toledo, Ohio, a corporation of Ohio
Application June 28, 1945, Serial No. 602,048
4 Claims. (Cl. 155—1)



1. A combined traveling bag and seat comprising a receptacle having top and bottom walls, said top wall having an opening therein adjacent an edge thereof, a partition spaced from said bottom and top walls and parallel thereto, said partition being of substantially less area than the area of the top wall and adapted to form a seat, and a closure for said opening pivotally connected to a wall of said receptacle at one side of said opening, said receptacle having a compartment adjacent said seat and in open communication with the space within the receptacle between the top wall and the partition and entirely enclosed within said receptacle, said compartment being adapted to receive the feet of an occupant of said seat.

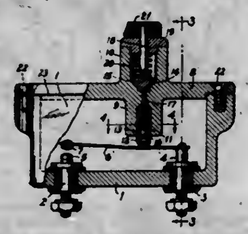
2,473,080
BATHROOM LOCKING LATCH
Abraham Vander Henst, Grand Rapids, Mich., assignor to National Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application March 14, 1945, Serial No. 582,604
5 Claims. (Cl. 292—169)



4. A latch comprising a casing, a latch bolt slidably mounted in said casing, means for retracting said latch bolt, two independently rotatable knobs each having means for operating said retracting means, means extending adjacent one knob for locking the other knob, a spring acting to

move the locking means to unlocked position, means on said retracting means for holding said locking means in locking position and for releasing the locking means upon retraction of said retracting means, and means extending adjacent said other knob manually operable to retract said retracting means.

2,473,081
THERMOSTATIC SWITCH AND SEALED ADJUSTING CONTROL
Victor G. Vaughan, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application February 8, 1946, Serial No. 646,383
3 Claims. (Cl. 200—139)



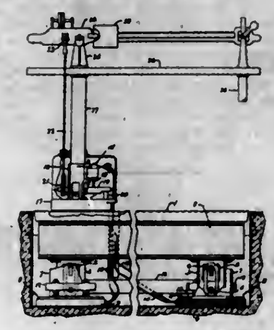
1. In a control for adjusting a member within a sealed casing, one of the walls of the casing being formed with aligned inner and outer bosses, a screw adjustably threaded in the inner end of the inner boss with its inner end engaging the member to be adjusted, an adjusting stem rotary in said bosses having its inner end splined to the screw and extending out of the outer boss, an adjusting knob on the outer end of the stem, an outwardly facing valve seat surrounding the stem at the inner end of the outer boss, a valve member fixed on the stem engaging the valve seat, and a spring compressed between a cap on the outer end of the outer boss and the valve member for biasing the stem and valve member inwardly and holding the latter in gastight sealing engagement with the valve seat.

2,473,082
TOILET SEAT LIFTER
Robert B. Warner, Los Angeles, Calif.
Application February 5, 1946, Serial No. 645,557
1 Claim. (Cl. 4—251)



A self-cushioning seat lifting lever for toilet bowls of the type having a seat supported from hinge brackets mounted on an apron on the bowl, comprising: an elongated supporting strap adapted to be held in place on said apron by said brackets; a downwardly-turned leg member on one extremity of said strap; a hinge pin supported by and extending outwardly from said leg member; an air compression cylinder hingedly mounted at its one extremity on said hinge pin; a piston in said cylinder; a seat lifting rod extending from said piston through the other extremity of said cylinder in a plane substantially parallel to the plane of said seat; and forwardly of the middle of the latter to provide a hand grip; means pivotally connecting the mid-portion of said rod to said seat; and means maintaining said rod in axial alignment with said cylinder so that said rod and said cylinder will act together as a telescoping, effort-multiplying, prying lever to lift said seat when the free extremity of said rod is swung upwardly about the axis of said hinge pin.

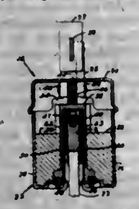
2,473,083
HYDRAULIC WEIGHING SCALE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application June 23, 1945, Serial No. 601,225
1 Claim. (Cl. 265—47)



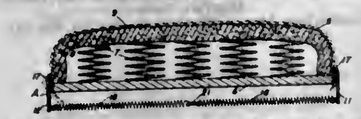
In a weighing scale employing hydraulic systems for transmitting force from a load receiver to a load counterbalancing mechanism, in combination, a base, a pair of posts erected from the base and carrying fulcrum bearings, a lever pivotally mounted on the fulcrum bearings, a standard erected from the base and bridging over the lever, a plurality of hydraulic pressure receivers secured to a side of the standard and positioned over load pivots of the lever, struts for transmitting force from the pressure receivers to the load pivots, said receivers being adjustable along the axes of the struts, a load counterbalancing mechanism operatively connected to the lever, and a support for the load counterbalancing mechanism, said support being erected from and transmitting the reaction force of the load forces applied to the counterbalancing mechanism directly to said standard upon which the pressure receivers are mounted.

2,473,084
WEIGHING SCALE POISE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application January 29, 1946, Serial No. 644,031
3 Claims. (Cl. 265—56.5)

1. A poise for a weigh beam, the poise comprising a bifurcated casting adapted to straddle the weigh beam, each leg of the bifurcated casting being hollow and open at the top, and covering means for closing the openings.

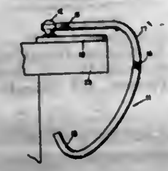


2,473,085
COVER CLAMP FOR PRESSING MACHINES
Harold W. Winters, San Francisco, Calif.
Application October 1, 1947, Serial No. 777,161
1 Claim. (Cl. 24—243)



In a device of the character described, a pair of substantially U-shaped members having their ends in parallel relation slidably and pivotally connected one to the other, the middle portion of each of said U-shaped members having opposed prongs along their upper edges adapted to engage the cover of a pressing buck at a point above the base of said buck, and springs interposed between the bottom portions of said U-shaped members and adapted to be disposed at a point beneath the bottom of said buck.

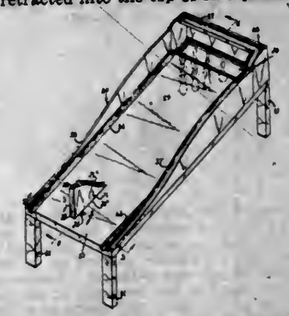
2,473,086
HOLDER
Ricardo Gonzalez Montero, New York, N. Y.
Application January 12, 1949, Serial No. 70,487
6 Claims. (Cl. 248—308)



3. A new article of manufacture consisting of a supporting plate and a hook pivotally mounted thereon for swinging movement about an axis parallel to said plate, said hook being hinged at a pair of points intermediate its ends, said hinges permitting folding of said hook to and from load-carrying position.

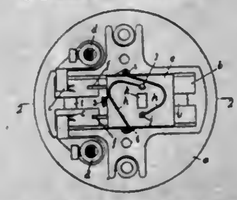
2,473,087
BOWLING GAME BALL PROJECTOR
Ludwig Almasi, New York, N. Y.
Application July 21, 1947, Serial No. 762,284
6 Claims. (Cl. 273—129)

1. In a bowling game having a flat playing board, means for projecting a ball, comprising a rod extended vertically from the front end of the board, a block having a downwardly and rearwardly inclined grooved top face for guiding a ball rolling downward thereon, said block being formed at its rear end with a passage communicating at its top end with the grooved top face and into which said rod extends turnably and vertically slidably supporting said block, resilient means retaining said block in a slightly raised position off the board in which the top end of said rod is retracted into the top of said passage, and



a lever arm pivotally mounted on said block at the top end of the grooved top face thereof to rest over the top end of said passage in the slightly raised position of said block, said lever arm being formed in its top face with a cup-shaped recess in which a ball rests, said rod being of a length to extend from the top end of said passage and pivot said lever arm to spill a ball from said cup-shaped recess onto the grooved top face of said block when said block is pushed downward against the action of said resilient means.

2,473,088
ELECTRIC SWITCH
Robert Bain, Handsworth, Birmingham, England, assignor to Henry Allday & Son (1922) Limited, Birmingham, England
Application October 24, 1947, Serial No. 781,995
In Great Britain November 6, 1946
6 Claims. (Cl. 200—76)



1. An electric switch comprising the combination of a base, a pair of fixed contacts on the base, a slide mounted on the base, a pair of relatively slidable contacts carried by the slide and adapted at one end to effect mutual contact and at the other end to engage the fixed contacts, a finger piece for actuating the slide, and spring means for imparting rapid movements to the slide independently of the finger piece after the latter has been moved through a predetermined initial distance, the arrangement being such that when closing the switch, the contiguous ends of the movable contacts are brought together be-

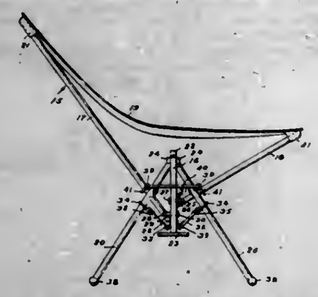
fore engagement of one of their opposite ends with the corresponding fixed contact, and when opening the switch the said contiguous ends are separated before the opposite ends are disengaged from the fixed contacts.

2,473,089
ANCHOR LEADER
James Barone, Alamosa, Colo.
Application August 22, 1944, Serial No. 550,645
1 Claim. (Cl. 43—52)



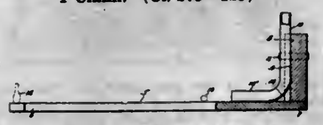
The combination with a leader of an anchor having an opening extending from end to end thereof, the opening at all points being of comparatively small diameter relative to its length, the opening at one end being of a diameter approximately equal to the diameter of the leader, the opening at the other end being of a diameter approximately equal to double the thickness of the leader, said opening being formed with a slight taper extending from its smaller end to its larger end, the taper being coaxial throughout its length with the axis of the opening, and the leader being extended through the opening, and having one end folded back upon itself a short distance and retained in the larger end of the opening.

2,473,090
TELESCOPING COLLAPSIBLE CHAIR
Frank J. Becker, Arlington, Va.
Application September 23, 1947, Serial No. 775,644
13 Claims. (Cl. 155—139)



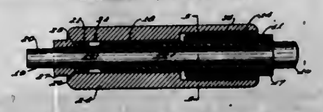
1. In a collapsible folding chair, the combination of a support structure including a plurality of legs pivotally mounted at one of their respective ends and spaced apart circumferentially on a ring member, adapted to swing freely thereon to and from a first position in which the said legs are substantially axially parallel to a second position in which the said legs are extended to form a support for said chair, a superstructure including a plurality of standards, two said standards being adapted to define a back rest portion for said chair and two relatively shorter standards being adapted to define a seat portion, means interconnecting one end of each said standard for pivotal movement to and from a first position in which the said standards are substantially axially parallel to a second position in which the said standards are extended to define the back rest and seat portions of said chair, the said interconnecting means for said standards being adapted to pass through the ring member connecting the said legs when the said legs and said standards are in their respective first positions whereby the said superstructure is telescoped within the said support structure, cooperative connecting means carried jointly by said support structure and said superstructure for releasably interlocking said structures when said legs and said standards are in their respective second positions, and a flexible cover member arranged to engage the free ends of each said standard to form a seat and back rest for said chair.

2,473,091
MARBLE PROJECTOR
Desmond B. Brooks and Cornelius J. Van Boven, Haxtun, Colo.
Application March 18, 1946, Serial No. 655,231
1 Claim. (Cl. 273—129)



In a device of the class described, a supporting block having a vertical groove in the front wall thereof, a projector tube curved intermediate its ends providing a long vertical end mounted within the groove, and a substantially short horizontal end at the base of the long vertical end, means for holding the tube within the groove, said means embodying an elastic band stretched around the block in engagement with the vertical end, the elastic band gripping the vertical end, whereby the short horizontal section may be adjusted laterally, and said tube adapted to direct a game piece in the form of a marble, dropped into the tube, forwardly in front of the supporting block.

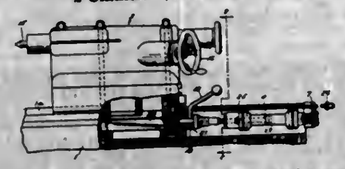
2,473,092
HOSE CLAMP
Don M. Buffington, Grandfalls, Tex.
Application September 22, 1947, Serial No. 775,553
7 Claims. (Cl. 285—86)



1. A hose clamp comprising a cylindrical bushing adapted to be positioned over a hose in a position displaced from one end thereof, said bushing being provided with a tapered bore having a minor diameter larger than the major diameter of the hose, a plurality of wedges of arcuate cross-section and tapered longitudinally adapted to be positioned within the bore of said bushing encircling the hose in the position displaced from one end thereof, said wedges provided with teeth on their under sides adapted to be embedded in the peripheral wall surface of the hose, a connecting element having a hollow cylindrical shank projecting into the open end of the hose whereby said shank is extended beneath said

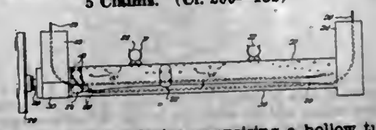
wedges to act as a mandrel therefor, an external sleeve having one end thereof disposed in threaded engagement with said bushing and operative to move the same with respect to said sleeve whereby said wedges may be forced into gripping contact with the outer surface of the hose, and a cylindrical member enveloping the end of said hose adjacent said wedges and confined in sealing relation to said hose by said external sleeve.

2,473,093
MACHINE TOOL
Alfred J. Conn, Oak Park, and Richard B. Stanley, Maywood, Ill., assignors to La Salle Designing Company, Chicago, Ill., a partnership composed of Alfred J. Conn and Martha Conn
Original application November 22, 1943, Serial No. 511,298, now Patent No. 2,399,594, dated April 30, 1946. Divided and this application January 24, 1946, Serial No. 643,124
2 Claims. (Cl. 82—31)



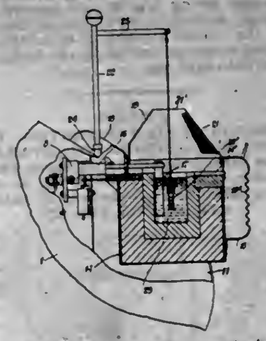
1. In a machine tool having a bed and a member slidably mounted on such bed, the improvement comprising a sliding wedge arranged to engage between said bed and said member, an operating rod secured to said wedge, hydraulic means operative to move said operating rod, a collar rotatably mounted between two positions on said rod, and a projection on said collar engageable with said member and arranged to maintain said wedge out of engagement with said member in one such rotative position of said collar whereby said hydraulic means may advance said member along the bed and in the other position of said collar to disengage said rod from said member whereby said hydraulic means may advance said wedge with respect to said member to lock said member to the bed.

2,473,094
CONTROL MECHANISM
Asa K. Gaylord, Portland, Oreg.
Application December 27, 1945, Serial No. 637,350
5 Claims. (Cl. 200—152)



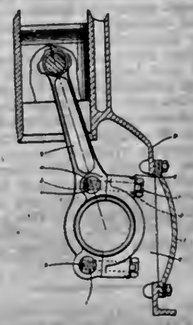
1. A switching device comprising a hollow tubular member mounted for rotation in bearing means, a plurality of switches mounted on said member for operation by the rotation of said member, and flexible wires extending longitudinally through the interior of said tubular member from each switch to an end of said member sufficiently remote from the said switch to provide a twisting length for the wires within the tubular member sufficient to accommodate a relatively large angular movement of the tubular member without damaging the wires and without imposing an appreciable torque load on the tubular member.

2,473,095
TILTING SALT BATH FURNACE
George Henry Stanley Grene, Watford, England, assignor of one-half to Wild-Barfield Electric Furnaces Limited, Watford, Hertfordshire, England
Application October 26, 1945, Serial No. 624,491
In Great Britain November 1, 1944
8 Claims. (Cl. 13—23)



1. An electrode salt bath furnace to treat solid work pieces including a bath having an open top, means for carrying solid work pieces in the bath by suspension from above the open top of the bath, means for tilting the bath, electrodes for heating the bath mounted in the bath, electrode contact making and breaking means for making contact when the bath is in normal position and breaking contact when the bath is tilted, and means separably attached to the bath for receiving the whole of the salt from the bath when the bath is tilted.

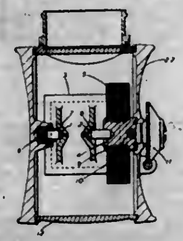
2,473,096
CONNECTING ROD
William Wilson Hamill, Little Aston, and Robert Strange Crump, Birmingham, England
Application October 27, 1944, Serial No. 560,624
In Great Britain December 1, 1943
4 Claims. (Cl. 74—579)



1. In combination, separable bearing members for forming a sleeve bearing and being separated longitudinally of the axis of the bearing, said members having formed therein registering bores, one of the members having formed therein a

bore extending parallel with the bearing and transversely coincident with the registering bore of said member and having a curved surface on the side thereof toward the other of said members, a bolt for clamping together the separable members and having a threaded shank extending through the registering bores and with the threaded shank extending across said transverse bore, and a nut having a curved peripheral surface and fitting within said transverse bore with said curved peripheral surface seated against the curved surface of said bore to provide a self aligning action as the bolt shank is threaded into said nut.

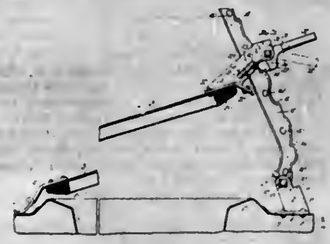
2,473,097
THERMOSTATICALLY-OPERATED REGULATING OR CONTROLLING APPARATUS
William Wilson Hamill, Little Aston, England
Application January 31, 1946, Serial No. 644,549
In Great Britain February 17, 1945
6 Claims. (Cl. 236—93)



1. A control apparatus comprising, in combination, a body member having a bore therein, ports in said body member and opening into said bore, a spindle mounted in one side of said bore and pivotally supported by said body member, means for regulating the pivotal displacement of said spindle, spaced antifriction bearing members supported by said body member and said spindle, said bearing members being in opposed relation and axially aligned relative to each other and to the pivotal axis of said spindle, a control member mounted in said bore and pivotally supported by said bearing members, said control member being mounted between said bearing members and having axially aligned, anti-friction bearing elements on opposite sides thereof for cooperating with said spaced bearing members, one of said bearing members being resiliently biased axially toward the other of said members to take up wear, said control member having a control portion substantially in contact with the wall of said bore in the region of said ports and movable relative to said ports upon pivotal action of said control member, and a thermostatic element within said bore and secured between said spindle and said control member to pivotally actuate the latter in accordance with temperature conditions within said bore in relation to the pivotal displacement of said spindle.

2,473,098
HATCH COVER OPERATING DEVICE
Clarence R. Hamilton, Roseville, Calif.
Application February 13, 1946, Serial No. 647,311
4 Claims. (Cl. 98—7)

2. A device for operating a railway car hatch cover comprising a bracket having spaced walls secured to a car roof adjacent said hatch cover and having a laterally projecting stop surface, a bar pivotally mounted at one end to said bracket between the walls thereof, spaced walls secured to said cover adjacent and overlapping said bracket when the cover is closed; a combined handle and pawl member pivotally mounted between the walls of said cover adjacent said bar so as to move with



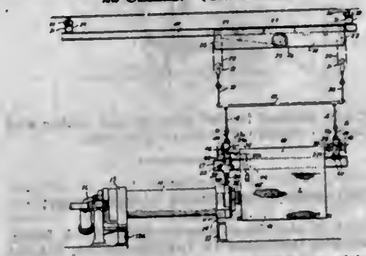
said cover, said pawl portion of said member selectively engageable with said laterally projecting stop surface or said bar to hold said cover in a predetermined position, said handle portion being offset and extending outwardly and laterally from said bracket providing means for manually operating said cover and providing an overbalancing weight to bias said pawl portion toward engagement with said stop surface or said bar.

2,473,099
TRAPPER'S HIP-LENGTH BOOT
James Merton Hatch, Castine, Maine
Application July 3, 1947, Serial No. 758,965
3 Claims. (Cl. 36—1)



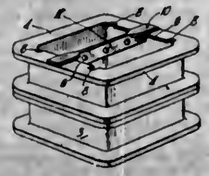
1. A boot of the class described comprising a foot portion and a knee-high lower leg portion, the latter being provided on its interior, adjacent its top, with a pocket and said lower leg portion being further provided with an extensible and retractable upper, said upper being of comparatively flexible stock and being inwardly and downwardly collable in a manner to permit same to be conveniently and compactly housed and protected within the confines of said pocket, the latter having entrance closing means including availably usable circumferentially spaced tabs, and snap fasteners on said leg portion for accommodation of said tabs.

2,473,100
PAPER MACHINE WIRE STRINGING DEVICE
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application June 14, 1944, Serial No. 540,260
23 Claims. (Cl. 92—44)



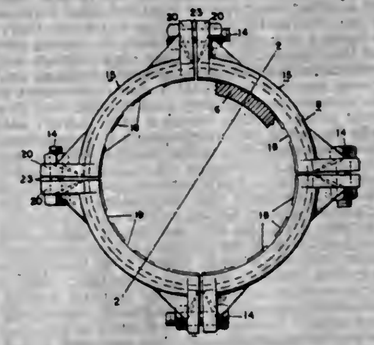
2. In combination a paper making machine of the Fourdrinier type having a couch roll with a removable front bearing support for opening up a gap accommodating passage of a forming wire, an overhead crane movable longitudinally and laterally of the machine, a wire bundle carrier suspended from said crane, spreader poles on said carrier for holding a portion of a forming wire from a bundle on the carrier in an open depending loop large enough to freely encompass the couch roll, a dolly movable longitudinally on said carrier in said loop for suspending the front of the couch roll to maintain said gap, and said crane arranged to move the carrier laterally for conveying an open wire loop thereon into the line of the machine to encompass the couch roll while said dolly rides on the carrier within the loop.

2,473,101
MOLDER'S FLASK
Walter J. Jones, Lomita, Calif., assignor to Columbia Steel Company, a corporation of Delaware
Application November 13, 1945, Serial No. 628,072
2 Claims. (Cl. 22—111)



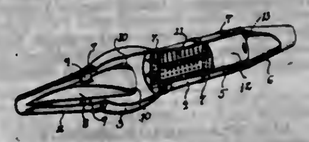
1. In a molder's flask having a cope with upright side walls defining an opening and having flanges with flat upper surfaces on the upper end of at least two of the oppositely disposed side walls, said flanges extending inwardly of said walls on two oppositely disposed sides of said opening, the combination therewith of a flask bar having flattened ends the undersides of which are adapted to be disposed on the flat upper surfaces of said flanges, said bar having a depending portion adapted to substantially extend across the opening between the oppositely disposed walls of said cope having the inwardly extending flange thereon whereby said depending portion is adapted to extend under said inwardly extending flanges, notched out portions in the upper end portions of said depending portion directly beneath said flattened ends, said notched out portions closely engaging the inwardly extending flanges to hold said flask bar at any desired position in said cope, said flanges having means for entering the depending portion of the flask into said cope.

2,473,102
COUPLING FOR BRITTLE PIPES
John H. Kreese, New York, N. Y., assignor to Victaulic Company of America, New York, N. Y., a corporation of New Jersey
Application February 6, 1947, Serial No. 726,889
1 Claim. (Cl. 285—194)



A coupling for two frangible pipes having ungrooved smooth cylindrical exterior surfaces arranged with the ends adjacent each other comprising, a housing formed of more than two arcuate-shaped segments each being resilient to lengthwise bending, means for drawing the ends of the housing segments towards each other and clamping the segments around the ends of said pipes, a pair of inwardly projecting axially spaced lips carried by each segment providing a circumferentially extending groove within the housing, circumferentially spaced teeth carried by the inner edges of said lips for engaging the exterior surfaces of said pipes, and each of said teeth at its free end having a greater dimension measured circumferentially than the dimensions of the teeth measured axially of the coupling.

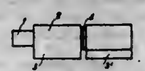
2,473,103
BAFFLE TYPE MUFFLER
Matthew F. Lathers, St. Augustine, Fla.
Application April 11, 1946, Serial No. 661,306
1 Claim. (Cl. 181—49)



A muffler comprising a tubular casing having inlet and outlet openings at opposite ends thereof and adapted to receive through its inlet opening the exhaust gases from an internal combustion engine or the like, said casing including a first section the inner wall of which gradually diverges from the inlet end of the casing toward

the outlet end of said casing to form a substantially conical first section; an imperforate, elongated member of substantially conical configuration within said first section having its apex disposed adjacent the inlet opening of said casing and its base extending beyond the large end of said first section; a second section adapted to receive the exhaust gases from the first section and being of bulbous or barrel-shaped configuration, said section enclosing the base portion of said conical member and having a maximum diameter greater than the maximum diameter of said conical section and a minimum diameter corresponding substantially to the maximum diameter of said first section, the outer surface of said conical member being spaced from the inner surfaces of said first and second sections to provide therebetween a flow path of constantly increasing area for the exhaust gases as they pass through said sections; a spiral vane positioned between said spaced surfaces to impart a spiral movement to the exhaust gases as they pass through said flow path; a third section having a baffle therein, said baffle including two substantially flat perforated plates arranged in parallel spaced relation and extending longitudinally throughout substantially the length of said section, and at least two other substantially flat perforated plates arranged in parallel spaced relation and being coextensive with the first mentioned plates, said first mentioned plates and said second mentioned plates being disposed in cross-like or honeycomb formation within said third section; and a fourth section having a baffle secured therein, said baffle extending longitudinally throughout substantially the length of said third section and having two perforated portions arranged in a V formation with the apex of the V directed toward the inlet of the fourth section and the total area of the perforations in said V formation being greater than the total area of the perforations in the baffle in said third section.

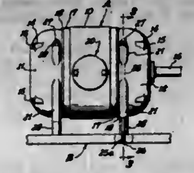
2,473,104
ARRANGEMENT FOR SAWING STONES
Martial Aristide Lefevre, Crepy-en-Valois, France
Application August 7, 1947, Serial No. 767,024
In France February 2, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 2, 1966
4 Claims. (Cl. 125—21)



1. In a device for sawing stone, an elongated flexible element, a plurality of sawing elements of very hard material threaded on said elongated element, and resilient spacer means threaded on said flexible element between each successive pair of said sawing elements, said sawing elements and said spacer means being movable to a limited extent axially of said elongated element.

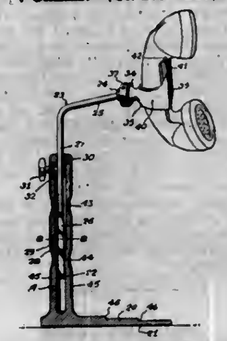
2,473,105
ELECTRIC MOTOR MOUNTING
Frederick O. Luenberger, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Application April 24, 1948, Serial No. 23,123
16 Claims. (Cl. 172—36)

1. In an electric motor: a casing including a motor frame and adjacent end bells on opposite sides thereof; means securing said frame and end bells together; and means for mounting said casing on a base, comprising bosses on said bells sub-



stantially normal to the axis of said motor and adapted to receive fastening elements.

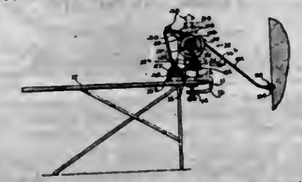
2,473,106
TELEPHONE HANDSET SUPPORTING FIXTURE
Roderick R. Mathieson, Grosse Pointe Park, Mich.
Application December 14, 1945, Serial No. 634,940
7 Claims. (Cl. 179—147)



1. A telephone fixture in combination with a receiver and transmitter unit of a telephone having a hand-holding portion between the receiver and transmitter of greater thickness intermediate its ends and gradually decreasing in thickness as it extends towards the receiver and transmitter, comprising a supporting bracket with opposed faces rigidly spaced apart a distance slightly less than the greatest thickness of said hand-holding portion, said opposed faces engaging opposite sides of said hand-holding portion for supporting the receiver and transmitter unit of the telephone, and spaced ears on said bracket extending to opposite sides of the hand-holding portion where it joins the receiver for preventing excessive lateral movement of the receiver and transmitter unit with respect to the bracket.

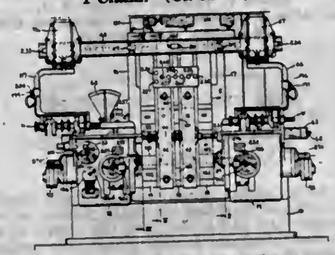
2,473,107
DUAL REEL WIRE CONNECTOR FOR IRONING BOARDS
Irving Mendelsohn, Brooklyn, N. Y.
Application November 15, 1946, Serial No. 709,965
6 Claims. (Cl. 242—107)

1. In a wire connector for ironing boards, in combination, a standard, means for attaching said standard to an ironing board, a removable standard rotatably attached to the first standard and a tubular member extending transversely to both sides of said second standard, spools for electrically conductive cords rotatably mounted on said member on each side of said standard, a spring operatively connected to one of said spools so as to be loaded upon rotation of said spool in a given direction, a spring operatively connected to the other of said spools so as to be loaded upon



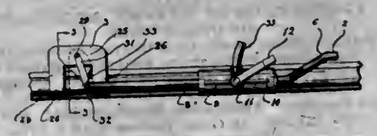
rotation of said other spool in the opposite direction, standards located within said tubular member and bosses mounted on said last mentioned standards coaxially with said tubular member, said springs further being connected to said bosses.

2,473,108
CENTER DRIVE LATHE POWER CHUCKING MECHANISM
Walter R. Meyer and Harold J. Siekmann, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application December 5, 1945, Serial No. 632,910
1 Claim. (Cl. 82—9)



In a center drive lathe having a base, a rotatable center drive spindle on said base, means for stopping said spindle in a predetermined position including driving means for rotating said spindle, a tailstock on said base, a tool feeding device on said base located between said spindle and said tailstock, a center in said tailstock located on the axis of rotation of said spindle, the combination of a chuck in said spindle having a work loading opening to one side of said axis to facilitate axial loading of a work crankshaft over said tailstock into or out of said chuck when the spindle is stopped in said predetermined position, an operating wrench socket on said chuck located below said opening and axis of rotation of the spindle when the spindle is stopped in said predetermined position, a power wrench mounted in said tailstock below said axis and movable parallel to said axis to engage said operating socket of the chuck, means for actuating said tool feeding device to and from a retracted position relative to said axis, and a passageway formed in said tool feeding device located so as to align itself with said operating socket and said power wrench when said tool feeding device is in retracted position to allow passage of said power wrench through said tool feeding device to engage said socket, and interlock mechanism operable by the movement of said power wrench into engagement with said socket to prevent rotation of said spindle by said driving means and the actuation of said tool feeding device from retracted position.

2,473,109
CAR MOVER
Joseph A. Schneider, Hirsch, Saskatchewan, Canada
Application March 1, 1947, Serial No. 731,809
4 Claims. (Cl. 254—35)



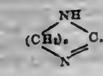
1. A fluid pressure railroad car mover, comprising in combination with a double-acting cylinder and piston unit connected to a source of power, a car coupling attached to said unit, a rail clamping assembly, said assembly embodying a plate having claws thereon overlying the head of said rail, a cam positioned beneath said plate to engage one flank of said rail head, a crank arm keyed to said cam and being journalled in said plate, the main portion of said crank arm overlying said plate, a connecting rod pivotally attached to said crank arm and said piston at the opposite ends thereof, said claws exerting a horizontal pressure against the opposite flank of said rail head to that engaged by said cam, upon the application of thrust by said connecting rod.

2,473,110
PREPARATION OF COLLOIDAL TRISULFIDE OF ARSENIC
Fernando F. Schwartz, Santiago, Chile
No Drawing. Application September 15, 1947, Serial No. 774,185
1 Claim. (Cl. 252—313)

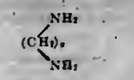
A method of preparing a stable colloidal trisulphide of arsenic consisting of admixing ammonium sulpharsenate with about an equal quantity of colloidal sulphur, and treating this mixture with a sufficient amount of about a 30% formaldehyde solution to fix the ammonia radical of the sulpharsenate compound to produce a colloidal arsenic trisulphide stabilized with colloidal sulphur.

2,473,111
PROCESS FOR PRODUCTION OF 2-AMINO PYRIMIDINES AND 2-AMINO GLYOXALINES
Wallace Frank Short and Peter Oxley, Nottingham, England, assignors to Boots Pure Drug Company Limited, Nottingham, England, a company of Great Britain
No Drawing. Application June 3, 1946, Serial No. 674,032. In Great Britain June 19, 1945
6 Claims. (Cl. 260—251)

1. A process for the production of salts of heterocyclic compounds represented by the ring system



which comprises the steps of reacting dicyandiamide with a salt of a diamine of the formula



where x is an integer selected from the group consisting of 2 and 3 and recovering the heterocyclic compound formed by the reaction.

2,473,112

PREPARATION OF SULFONIC ACID SALTS OF DIGUANIDES

Wallace Frank Short, Gordon Ivan Hobday, and Peter Oxley, Nottingham, England, assignors to Boots Pure Drug Company Limited, Nottingham, England, a company of Great Britain

No Drawing. Application March 28, 1947, Serial No. 737,994. In Great Britain April 3, 1946

3 Claims. (Cl. 260—501)

1. A process for the production of sulphonic acid salts of diguanides of the general formula

$$RN.C(:NH).NH.C(:NH).NH_2$$

where R is a member of the class consisting of the divalent pentamethylene radical and pairs of members of the class consisting of hydrogen atoms and alkyl, aryl, aralkyl and alicyclic radicals which comprises heating a mixture of dicyandiamide with substantially one molecular proportion of a salt selected from the class consisting of benzene sulphonic acid salts and toluene sulphonic acid salts of substances of the general formula RNH at a temperature within the range from the fusion temperature of the mixture to 180° C.

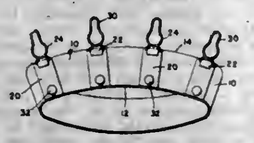
2,473,113

HOSIERY SUPPORT OR GARTER

Raymond J. Steere, Rockwood, Tenn.

Application March 21, 1946, Serial No. 656,085

6 Claims. (Cl. 2—312)



1. A garter for supporting hose at full length from the thigh, comprising a band of rubber or the like having an inner surface which widens toward the upper edge of the band when the band is relaxed in order to assume the tapered form of the leg when worn and to grip the same by uniform skin surface tension, said band having a plurality of clasps pivoted thereto adjacent its upper edge and a plurality of cooperating buttons similarly spaced and located on the outer face of said band adjacent the lower edge thereof, said band being adapted to receive the welt of the hose thereover when worn on the thigh with the top edge of the hose just below the top edge of the band and beneath said clasps and with said welt covering said buttons, said clasps and buttons being positioned and arranged to secure the welt of the hose at spaced points directly to and within the confines of the top and bottom edges of said band, whereby to maintain the hose in neat and even condition and avoid creeping of the hose seam.

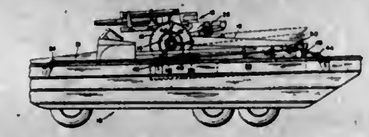
2,473,114

HARNESS

Edwin Thayer Todd, Pontiac, Mich., assignor to the United States of America as represented by the Secretary of War

Application February 20, 1946, Serial No. 649,066

4 Claims. (Cl. 248—119)



1. A supporting harness for the temporary transport mounting in firing position of a wheeled field piece having tires and trails on a vehicle, which comprises height supports securable on said vehicle to support the wheels and tires of said piece thereon in elevated position, wheel anchoring means securable to the top and rear portions of said tires and to said vehicle forwardly of the bottom of said tires, trail securing means for securing the ends of said trails in spread position to said vehicle rearwardly of said trails, and additional trail securing means for securing the ends of said trails in spread position to said vehicle forwardly of said trails.
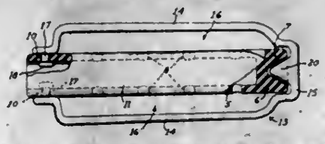
2,473,115

HAIR CURLER

Albert E. Vaughn, Orange, N. J.

Application November 19, 1945, Serial No. 629,617

4 Claims. (Cl. 132—41)



1. A hair curler, comprising: a flexible resilient tube; flexible resilient clamping means of substantially the same width as the width of said tube and integrally joined to said tube adjacent one end thereof, said clamping means extending longitudinally of and adjacent the outer surface of said tube and being transversely curved; a U-shaped clip pivotally connected at its ends to one end of said tube and adapted to be pivoted to a position longitudinally of said tube in which its bight portion extends across the opposite end of said tube, said bight portion having an integral conical retaining lug; and retaining means on the said opposite end of said tube in position to engage said lug to resiliently hold said clip in said position.

2,473,116

PIN-FORMING AND BUTTON-PINNING MACHINE

Jules G. Wegman, Rochester, N. Y., assignor to Bastian Brothers Company, Rochester, N. Y., a corporation of New York

Application August 21, 1945, Serial No. 611,739

6 Claims. (Cl. 79—3)

1. In a machine of the type in which pin fasteners are formed and assembled with buttons, and which includes an assembling station, button feeding means including a pair of reciprocating button feeding members, means forming a gauge opening to which the buttons are fed by one of said members, the other of said members

receiving the buttons passing through the gauge opening for feeding such buttons to the assembling station, connections between said members constraining the same to uniform movement, spring means engaging one of said members for moving the members in one direction corresponding to feeding movements of the buttons, and power-actuated means for moving the members in the opposite direction and for placing said spring means under tension, including an actuating element, one of said feeding members having a longitudinal slot in which said actuating element is disposed.



2,473,117

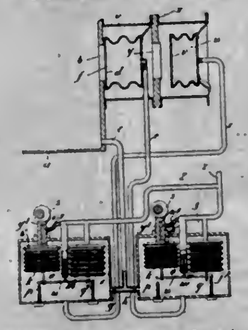
SYSTEM FOR CONTROLLING THE PRESSURE IN THE CABIN OF AN AIRCRAFT OR THE LIKE

William Macey Widgery, Yeovil, England, assignor to Westland Aircraft Limited, Yeovil, England

Application September 13, 1945, Serial No. 616,051

In Great Britain June 26, 1944

4 Claims. (Cl. 98—1.5)



1. A pressure control system for aircraft cabin spaces or the like embodying a pair of essentially similar cabin pressure release valves disposed in cascade relationship, pneumatic actuating means for opening and closing each of said valves, a control chamber for each of said pneumatic actuating means, pressure responsive bellows and a control valve for releasing cabin pressure to atmosphere in each of said control chambers and a connection between each control chamber and said space.

2,473,118

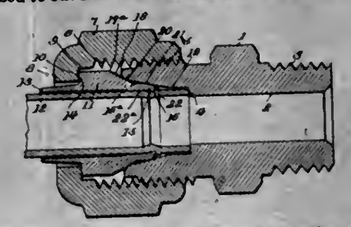
COUPLING FOR TUBES

John N. Wolfram, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio

Application June 26, 1944, Serial No. 542,856

1 Claim. (Cl. 285—87)

A coupling for tubes comprising a body member having a bore adapted to receive the end of a flareless tube, a nut having threaded engagement with said body member, a sleeve interposed between the nut and the body member, said body member being shaped within the bore to provide a camming surface having a gradual taper, said sleeve at the inner end thereof having a reduced portion of a substantially uniform diameter, which diameter is greater than the diameter of the inner end of the camming surface and less than the diameter of the outer end of the camming surface so that the inner end of the sleeve will be forced by the nut into engagement with the camming surface and will be contracted and caused to cut into the tube and grip the same, said sleeve having an outwardly abruptly tapering surface at the outer end of the reduced portion so that when the sleeve has been moved along the camming surface into firm gripping engagement with the tube, said abruptly tapered portion will contact with the body member at a point spaced outwardly from said reduced portion for limiting further endwise movement of the sleeve under normal wrench pressure.



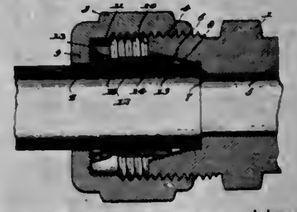
2,473,119

COUPLING FOR FLARELESS TUBES

John N. Wolfram, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio

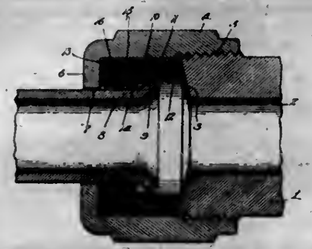
Application November 13, 1944, Serial No. 563,172

1 Claim. (Cl. 285—122)



A coupling for flareless tubes comprising a body member and a nut having a threaded connection, said body member having a bore to receive the end of the tube with the wall of the bore tapering outwardly toward the open end thereof to form a camming surface, said nut having an inwardly projecting flange at its outer end which is spaced from said body member to provide a recess, a clamping sleeve disposed in said recess and extending into the bore and contacting with said camming surface, said clamping sleeve having near the outer end thereof an annular recess in its outer face, said sleeve being uniformly tapered from said recess outwardly with the end thereof abutting against the flange of the nut whereby pressure of the nut against the flared end will cause the sleeve to contract inwardly at the inner end of the tapered portion and at the outer portion of the recess for firmly contacting the tube for damping vibrations therein, the inner end of said sleeve when forced along the camming surface being contracted into tight gripping engagement with the tube for holding the same in the coupling.

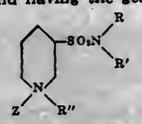
2,473,120
COUPLING FOR TUBES
John N. Wolfram, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application January 8, 1945, Serial No. 571,817
6 Claims. (Cl. 285—120)



1. A coupling for tubes having a flared end comprising a body member, a nut having threaded connection therewith, a metal sleeve disposed within said nut and forced thereby into direct metal to metal sealing contact with the body member said sleeve having means adapted to be engaged by the flared end of a tube joined to the coupling for preventing withdrawal of the tube from the coupling, said sleeve and said nut being shaped so as to provide with the nut a gasket housing and a deformable gasket disposed in said housing and adapted to make sealing contact with the tube.

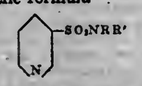
2,473,121
3-ALKYLSULFONAMIDO-PYRIDINIUM SALTS
Mitchell F. Zienty, Elkhart, Ind., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application January 28, 1948, Serial No. 4,044
6 Claims. (Cl. 260—295)

1. A compound having the general formula

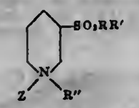


wherein R is a member of the group consisting of the alkyl radicals containing from 8 to 16 carbons, inclusive, R′ is a member of the group consisting of hydrogen and the alkyl radicals containing from 8 to 16 carbon atoms, inclusive, R″ is a member of the group consisting of the lower alkyl, lower alkenyl and aralkyl radicals, and Z is a member of the group consisting of the alkylsulfate and halogen radicals.

6. The method which includes: heating a compound having the formula

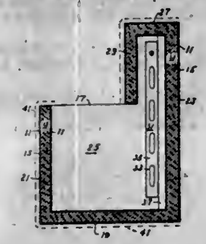


wherein R represents a member of the group consisting of the alkyl radicals containing from 8 to 16 carbon atoms, inclusive, and R′ represents a member of the group consisting of hydrogen and the alkyl radicals containing from 8 to 16 carbon atoms, inclusive, with a compound from the group consisting of the lower alkyl, lower alkenyl and aralkyl halides and sulfates; and separating from the reaction mixture a compound having the formula



wherein R″ represents a member of the group consisting of the lower alkyl, lower alkenyl and aralkyl radicals and Z represents a member of the group consisting of the alkylsulfate and halogen radicals, R and R′ having the values given.

2,473,122
OPEN-TOP REFRIGERATED DISPLAY CASE
Nicholas Achs, Detroit, Mich.
Application January 26, 1948, Serial No. 4,394
1 Claim. (Cl. 62—89.6)



Refrigeration apparatus comprising a front wall, a bottom wall, two end walls, a back wall, said walls being of a hollow thermal insulating construction and disposed enclosing an open top storage compartment of substantially rectangular cross-section, said back wall extending up substantially above the open top of said compartment, a finned tube cooling member disposed adjacent said back wall both in the storage compartment and thereabove, a thermal insulating hood enclosing a space around the cooling member on the front side of the upwardly extended portion of said back wall, said hood opening downwardly into said storage compartment, and said hood having a front wall disposed vertical and parallel to the back wall which is coextensive with the back wall of said storage compartment.

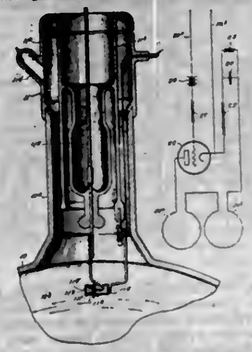
2,473,123
ELECTRONIC INDUCTION ACCELERATOR APPARATUS AND METHOD
Gail D. Adams, Jr., Champaign, Ill., assignor to The Board of Trustees of the University of Illinois, Urbana, Ill.
Application July 27, 1945, Serial No. 607,416
15 Claims. (Cl. 250—27)

1. A magnetic induction accelerator for charged particles, comprising: a closed vessel defining an annular chamber within which such particles may move in a circular path; a magnetic structure outside said vessel and comprising opposed, generally circular pole pieces which are coaxial with said annular chamber, said pole pieces being of outwardly tapered configuration and having additional field-influencing apparatus associated therewith such that the magnetic field strength varies inversely with the radial

displacement r, at and about said path, according to the proportionality

$$H\alpha\frac{1}{r^n}$$

where n is a rapidly changing variable, at least at the time charged particles are injected; means for producing a time-varying magnetic

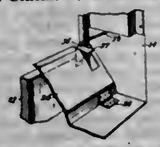


field between said pole pieces; and means for projecting charged particles within the annular chamber with a substantial initial velocity.

2,473,124
POLYALLYL TYPE ALCOHOLS AND PROCESS FOR PRODUCTION THEREOF
David E. Adelson, Berkeley, and Theodore W. Evans, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 31, 1941, Serial No. 425,118
10 Claims. (Cl. 260—80)

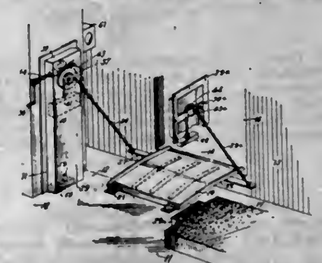
10. A process for the production of a polymer of a beta,gamma-monoolefinic monohydric alcohol having the carbon atom of a terminal methylene group as one of the olefinic carbon atoms, which comprises heating and reacting a carboxylic acid ester of said polymeric alcohol with a monohydric alcohol from the class consisting of primary and secondary alcohols containing not more than 6 carbon atoms, said reaction being effected while separating the formed carboxylic acid ester of said monohydric alcohol from the reaction mixture substantially as fast as formed.

2,473,125
ELEVATOR DOOR AND BRIDGE
Elisha E. Alexander, Chicago, Ill.
Application April 17, 1946, Serial No. 662,782
1 Claim. (Cl. 20—19)



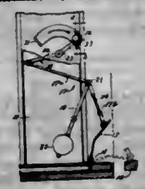
An elevator door and bridge assembly comprising a vertically movable door, a bridge horisontally pivoted at its inner margin adjacent the door and movable through an angle of less than 90° from a lowered substantially horizontal position to an inclined raised position, a clip carried by the door and movable, when the door is lowered, into a slot in the bridge extending from the outer margin thereof inwardly toward the pivoted margin of the bridge, and a laterally extending ear on the clip adapted to ride upon the top surface of the bridge adjacent the slot as the door is lowered, and to initially contact the bridge adjacent its outer margin, whereby continued downward movement of the door causes the ear of the clip to smoothly cam the bridge to horisontal position with minimum shock and use of power.

2,473,126
FREIGHT PLATFORM BRIDGE
Elisha E. Alexander, Chicago, Ill.
Application April 26, 1946, Serial No. 665,142
2 Claims. (Cl. 14—71)



1. In combination, a bridge member hinged to a platform adjacent an edge thereof, an upright support attached to said platform, flexible means attached at one end to the bridge and extending over pulley means carried by said support with the other end of the flexible means being secured to the uppermost of a superposed series of counterweights, and with spring means interconnecting the series whereby the effective number of counterweights increases as the bridge is lowered with the interposed spring means cushioning and graduating the application of the series of counterweights.

2,473,127
ELEVATOR BRIDGE
Elisha E. Alexander, Chicago, Ill.
Application April 26, 1946, Serial No. 665,143
5 Claims. (Cl. 187—1)



5. A bridge for spanning the gap between two platforms, one of which is movable relative to the other, comprising an upright member secured to one of the platforms and extending above the floor thereof, a bridge pivoted adjacent its inner margin to said one platform and adapted when lowered to span the gap between the two platforms, a counterbalancing mechanism for the bridge mounted at least in part on said upright

member and comprising a lever pivoted on said upright member and having one end connected to the bridge adjacent its outer margin and having a counterweight on the other end of the lever, the arrangement of pivots and lever arms being such that said lever and bridge are substantially parallel at all times with the moment of the counterweight about its pivot being substantially equal to the opposed moment of the bridge about its pivot, and a crank arm pivotally mounted on said upright member and operatively connected to the bridge for moving the bridge to and from its lowered position.

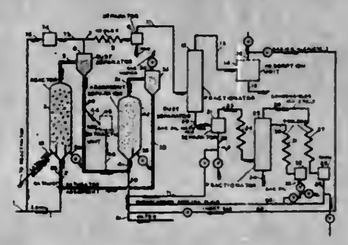
2,473,128
ELEVATOR DOOR BRIDGE
Elisha E. Alexander, Chicago, Ill.
Application May 10, 1946, Serial No. 668,972
1 Claim. (Cl. 20—68)



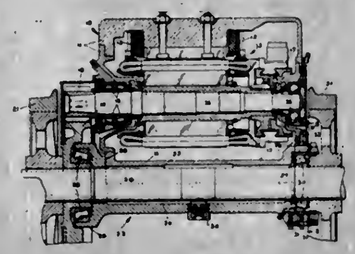
An elevator door bridge of the type adapted to be moved from a raised position to a lowered position to span the gap between an elevator car floor and a building floor, said bridge being hinged along its inner margin to one of said floors and having a counterweight mounted on the opposite side of the hinge and projecting in a substantially horizontal direction above said one floor when the bridge is in raised position, thereby to effectively counterweight the bridge in such position, and spring means effective after the bridge has moved a given distance toward its lower position for yieldingly and increasingly resisting continued movement of the bridge to its lowered position, thereby to supplement and complement the decreasing effectiveness of the counterweight due to its shortened lever arm, and to spring-bias the bridge, when in lowered position, toward its raised position.

2,473,129
METHOD OF CARRYING OUT EXOTHERMIC REACTIONS
Harold V. Atwell, Beacon, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 16, 1945, Serial No. 578,307
13 Claims. (Cl. 260—449.6)

1. In a conversion reaction process involving a reaction of exothermic character the method of removing heat of reaction and controlling the reaction temperature which comprises effecting said exothermic reaction in a reaction zone at a predetermined elevated temperature, continuously passing to the zone a stream of solid granular adsorbent carrier material containing adsorbed fluid which is vaporizable therefrom under the conditions of temperature and pressure prevailing within the reaction zone, passing said carrier through the reaction zone in intimate contact with the reactants undergoing reaction therein, vaporizing fluid from the carrier during said passage through the zone by said exothermic heat of reaction, removing vaporized fluid and reacted material from the reaction zone, continuously removing from the reaction zone a stream of carrier from which fluid has been vaporized, reducing the temperature of removed carrier substantially below said predetermined temperature, absorbing further said fluid in the cooled removed carrier during its absence from the reaction zone, and returning it to the reaction zone substantially free of unabsorbed liquid.



2,473,130
ELECTRIC TRACTION MOTOR
Walter J. Bauroth, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application September 5, 1947, Serial No. 772,360
9 Claims. (Cl. 172—286)



2. An electric locomotive motor including a frame housing an electric motor, said frame having means providing a transverse groove of generally semi-cylindrical shape adapted to cooperate selectively with either of two caps to support a shaft either in journal bearings or antifriction bearings, said frame being formed adjacent said groove to receive spaced journal bearings of generally semi-cylindrical shape, said frame also being formed adjacent one end of said groove to provide bearing surfaces at right angles to each other extending for approximately 180 degrees and adapted to receive a ring portion of a cap and to have direct contact therewith over a circumferential and a lateral face thereof extending for approximately 180 degrees.

2,473,131
COLOR PHOTOGRAPHY
Robert D. Bensley, Chicago, Ill.
No Drawing. Application July 5, 1945, Serial No. 603,401
3 Claims. (Cl. 95—2)

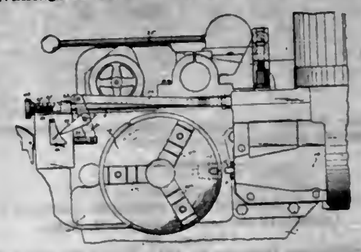
1. The method of natural color photography which comprises exposing a photosensitive silver halide medium to an image through an orange-red filter, developing and fixing the medium to produce a first negative, exposing a second photosensitive silver halide medium to the same image through a blue-green filter, developing and fixing the second medium to produce a second negative, lightly exposing a third photographic silver halide medium through said first negative, developing and fixing the third medium to produce a positive print, immersing the print in a 1.7% silver nitrate solution and then immersing the print in a 10% ammonium chloride solution to convert the silver nitrate to silver chloride, then re-exposing the print through the second negative and then developing the re-exposed print in a developer consisting of one hundred parts by weight of water, one part by weight of glycine, ten parts by weight of sodium sulphite and containing approximately two parts by weight of 1.7% silver nitrate solution.

2,473,132
SNAP FASTENER ATTACHMENT FOR BUTTON SEWING MACHINES
Frank Berube, Brockton, Mass.
Application June 26, 1947, Serial No. 757,673
5 Claims. (Cl. 112—114)

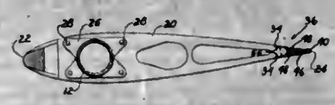
1. A device of the class described, comprising a base plate having opposed side edges adapted to be engaged by the side jaws of the button clamp of a button sewing machine and a rear side edge adapted to be engaged with the rear jaw of said clamp, said plate being notched inwardly from its forward edge and having spaced shoulders to receive thereon marginal portions of a snap fastener inserted into said notch and with its stitch-receiving holes in position corresponding to the holes of a four-hole button held in said button clamp, a clamp plate having a portion engageable with the top face of the snap fastener, a pair of spaced posts extending upwardly from said base plate and loosely through said clamp plate, at least one of said posts being headed at its upper end, and a coil spring surrounding said headed post and reacting between said head and said clamp plate to yieldingly hold said clamp plate pressed toward said base plate.

2,473,133
MACHINE TOOL
Fred H. Bogart, South Euclid, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application December 11, 1946, Serial No. 715,356
13 Claims. (Cl. 279—1)

1. In a machine tool having a chuck and power driven means including a friction clutch for actuating the jaws of the chuck, the improvement which comprises automatic means for maintaining said friction clutch engaged with a substantially constant pressure throughout the useful life of the friction members of said clutch including means to exert a clutch-engaging force and means to transmit said force to said clutch with a mechanical advantage, the force exerting means and the force transmitting means being so constructed and arranged that the mechanical advantage of the latter increases as the force exerted by the former decreases due to wear of the friction members of said clutch, whereby the clutch-engaging pressure remains substantially constant so that the clutch transmits a substantially constant torque for actuating the jaws of the chuck and slips when said torque is exceeded.



2,473,134
ADJUSTABLE ROTOR BLADE
Horace W. Bonnett, Fairfield, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 9, 1945, Serial No. 627,754
3 Claims. (Cl. 170—159)

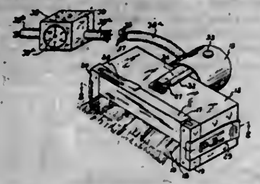


1. A rotor blade comprising, in combination, a spar, transverse ribs for shaping the blade secured to said spar, a leading edge forming member secured to said ribs for forming the leading edge of the blade, a trailing edge forming cable, and pliable cable supporting means extended aft of the extremities of said ribs having forward rib attaching portions and aft cable attaching portions for securing said cable in chordwise spaced relation to the aft extremities of said ribs and for providing an adjustment for the trailing edge of the blade and having chordwise strengthening ribs extending between the aft extremities of said ribs and said cable.

2,473,135
METHOD OF AND APPARATUS FOR WAVING HAIR
Adelbert E. Bronson, Shaker Heights, and Leonard S. Speth, Cleveland, Ohio, assignors to Adelbert E. Bronson, Jr.
Application January 3, 1943, Serial No. 471,694
9 Claims. (Cl. 132—36)

9. In hair waving apparatus, a pair of cooperating housing and cover members adapted to form an enclosure for a wound strand of hair, said cover having means thereon for supporting the wound strand, and a transversely curved electric heating element of the resistance type mounted in said housing member so as to receive

the wound strand when the cover member is applied to the housing member, said heating ele-



ment having terminal connections accessible from the outside of the enclosure.

2,473,136
ABDOMINAL PILLOW
Lazetta D. Brose and Horace B. Brose, Chicago, Ill.
Application January 31, 1946, Serial No. 644,556
1 Claim. (Cl. 128—96)



An abdominal duplex pillow comprising two flexible cushions, each wedge-shaped from end to end, a band interconnecting the two cushions and secured to the thin edge of each without the creation of any substantial bulge at such point, the length of the band and cushions being such that, when worn around the abdominal region with the band at the back, the two cushions will extend along the body sides toward the front and partly over the latter with the points of maximum thickness over the body front, said cushions presenting substantially flat exterior surfaces at each side of the body of the wearer and affording complete abdominal support when the wearer is lying upon either side and means releasably interconnecting the cushions at their thick ends.

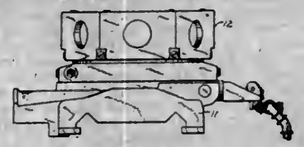
2,473,137
SHROUD FOR MULTIPLE RUNNER FLUID COUPLINGS
Robert P. Clifton, Dearborn, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 12, 1945, Serial No. 634,418
7 Claims. (Cl. 60—54)



1. A fluid coupling having an impeller, a primary runner and a secondary runner, a shroud carried by the impeller; shrouds carried by the runners, said shrouds being disposed in cooperative relation such that upon rotation of the impeller a plurality of fluid circulating circuits are provided, one of said circuits disposed radially outside said impeller shroud and including only the impeller and the primary runner.

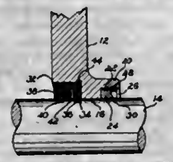
6. A runner for a fluid coupling, said runner comprising a hub, a plurality of vanes extending radially outward from said hub, and fluid directing shrouds extending across the vanes, each shroud defining a portion of different sized toroidal fluid circuits through the coupling and neither shroud overlapping the other in a radial direction.

2,473,138
MACHINE TOOL
Nicholas P. Darash, Cleveland, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Original application November 11, 1943, Serial No. 509,841. Divided and this application October 21, 1944, Serial No. 559,738
8 Claims. (Cl. 29—48)



1. In a machine tool, a support, an indexible member thereon and provided with a plurality of faces adapted to mount tool holders, passages in said member extending from centrally thereof to each of said faces, fixed means located centrally of said member and provided with a passage and a port extending laterally from said passage and adapted to register successively with each one of said first named passages as said member progresses through its different indexed positions, said fixed means being provided with spaced passages and laterally extending drainage openings adapted to communicate with the other of said first named passages in each indexed position of the member whereby coolant can be introduced into said one passage of the member and drained from the remaining passages thereof.

2,473,139
PISTON ROD PACKING LUBRICATOR
Fred N. Dickerman, Nichols, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 7, 1945, Serial No. 627,110
5 Claims. (Cl. 286—17)



1. A hydraulic strut having a cylinder cap and a piston rod reciprocable in a passage in said cap, said piston rod being reciprocable in response to fluid under pressure in said strut, a fluid-tight packing between said cap and rod for sealing said passage around said rod, wiping means carried by said cap for wiping the surface of said piston rod as the latter moves into the cylinder prior to its engagement with said packing, and means operative during movement of said rod into the cylinder for applying portions of said fluid as a lubricant to the wiped surface of said rod prior to its contact with said packing.

2,473,140
SELF-ADJUSTING SLIP BOX
Robert W. Erlbacher, Cape Girardeau, Mo.
Application January 8, 1947, Serial No. 720,855
6 Claims. (Cl. 22—112)



5. In a slip box, a plurality of horizontal side members disposed with each having one end overlapping an end of the next adjacent member, each of said members having an opening in the overlapping end, a pin on the overlapped end of each adjacent member, near the middle of said end, extending through said opening and terminating in a head, stops disposed upon each overlapping end on each side of the pin and in position to contact the exterior of the overlapped member to limit the pivotal motion about the pin, said members, individually, being formed as a regular trapezoid with the ends inclined and said stops being arranged parallel to the adjacent end of the member on which they are disposed.

2,473,141
OUTSIDE MOUNTED AUTOMOBILE ANTENNA
Milton R. Friedberg, Cleveland Heights, Ohio, assignor to The Gabriel Company, Cleveland, Ohio, a corporation of Ohio
Application April 19, 1947, Serial No. 742,636
10 Claims. (Cl. 250—33)



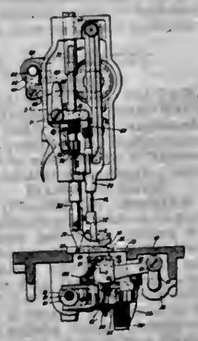
1. In an automobile antenna mounting adapted to be positioned on the outside of a car body and over an opening formed therein, a non-conducting base member engageable with the outside of the car body and extending over said opening, an antenna carrying member mounted in the outer side of the said base, a lead-in bore in said base extending from the inner side thereof to said antenna carrying member and adapted to register with the car body opening, a bolt spaced laterally from said lead-in bore and extending through said base and positioned also to pass through the car body opening and rotatable from the outer side of said base, and a clamping nut threadedly mounted on the end of said bolt inwardly of the inner side of the base and adapted to be passed through the car body opening in positioning the mounting on the car body and then brought into clamping engagement with the inner side of the car body by rotation of said bolt from the outer side of said base thereby effecting the securing of the mounting to the body solely from the exterior thereof.

2,473,142
ARTIFICIAL FISH LURE
Basil E. Gilmore, Windsor, Mo.
Application August 4, 1944, Serial No. 548,004
5 Claims. (Cl. 43—43)



2. An artificial lure of the class described comprising a fish-hook including a shank having an eye at one end, a hook at the opposite end and a hump intermediate its ends, a sponge-rubber body, the shank being embedded in said body, and the crest portion of the hump being exposed and protruding completely below the body, a plurality of lateral dangling latex feelers, the intermediate portions of said feelers being tied and secured to the exposed crotch portion of the hump, and a wrapping around the return bend portion of the hook, said wrapping contacting the adjacent underside surface of the body.

2,473,143
ELECTROSTATIC BONDING MACHINE
Joseph P. Graham and Robert D. Lowry, Midland, Mich., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 7, 1945, Serial No. 576,657
8 Claims. (Cl. 154—42)



1. A machine for bonding plies of dielectric material comprising, a frame including a work-sup-

port, a shaft journaled in said frame, electrodes carried by said frame and located relative to each other to provide a bonding zone, an electronic high frequency oscillator electrically connected to said electrodes for establishing a high frequency field in said zone, means operated by said shaft for imparting relative movement to said electrodes toward each other to cause them to clamp the material and for imparting feed and return movements to said electrodes to intermittently advance the material through said zone, and a presser-member for holding the material against said work-support on the return movement of the electrodes.

2,473,144
WINDING ARRANGEMENT IN ALTERNATING CURRENT MACHINES
Sven Gynt, Vasteras, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application July 2, 1947, Serial No. 758,645
In Sweden July 8, 1946
4 Claims. (Cl. 171—252)



1. Arrangement in electric alternating current machines, comprising windings with conductors having a plurality of strands which change their relative positions in the slots of the machine when proceeding from one slot to another, a reactor at each end of the said windings, two opposing reactor windings, a connection between alternate strands in the winding of the machine and one end of one reactor winding, a connection between the remaining strands of the winding of the machine and one end of the other reactor winding, and means coupling the other ends of the reactor windings.

2,473,145
PREPARATION OF WATER-SOLUBLE THERMOSETTING RESINS
Robert C. Hesselbart, Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, a corporation of Ohio
No Drawing. Application October 15, 1942, Serial No. 462,119
6 Claims. (Cl. 260—57)

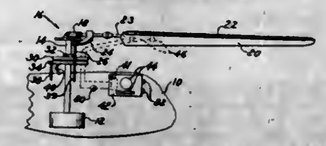
1. A method of preparing a fusible thermosetting resin of greatly improved water-solubility which is capable of serving as an air-drying, tack-free adhesive that comprises condensing formaldehyde and phenol in an acid aqueous solution in a molar ratio from ½:1 to 0.9:1 until the condensation product has formed a phase separate from the aqueous phase, adding a small proportion of alkali sufficient to convert the composition substantially into a single phase, and after conversion of the composition substantially into a single phase carrying on a reaction in the alkaline solution, with additional formaldehyde sufficient to bring the molar formaldehyde-phenol ratio to a valve from 1:1 to 2½:1, and continuing such reaction until a resin is produced that is a solid when dry at room temperature.

2,473,146
PAPER AND TRASH PICKUP TONGS
Nelson V. Hunt, Colorado Springs, Colo.
Application August 1, 1945, Serial No. 608,159
1 Claim. (Cl. 294—104)



Tongs of the class described comprising a pair of elongated handles of bar-like form one turned edgewise toward the broadside of the other, U-shaped guides carried by one of the handles with cross pins therein, the other handle being slidable in said guides and having longitudinal slots therein through which said pins extend whereby said other handle is slidably connected to the one handle, a hand grip extending laterally at the inner end of one of said handles and a finger grip at the adjacent end of the other handle and spaced from said hand grip, the outer end of said second named handle constituting a fixed jaw, a movable jaw pivoted to said first-named handle and including a shank extending transversely of said handle therethrough, spring means connected to the movable jaw to open the jaw, and means pivotally connecting the shank of the movable jaw to the outer end of the other of said handles and operable to close the movable jaw upon a movement of the finger grip toward the hand grip.

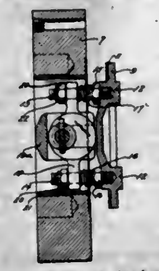
2,473,147
SLIP-RING STRUCTURE
Harry T. Jensen, Milford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 15, 1946, Serial No. 641,396
7 Claims. (Cl. 244—134)



6. The combination in a helicopter having a rotor blade turned by a drive shaft, of control means for changing the pitch of said blade including two parts, one part being universally

mounted upon and rotatable with said shaft, and the other part being mounted upon said one part but not rotatable therewith, a source of electric power, electro-responsive means associated with said blade, and means connecting said source and said electro-responsive means comprising, an insulating plate connected with said one part having a plurality of annular grooves, conductor rings in said grooves connected to said electro-responsive means and rotatable with said one part, and non-rotating contacts associated with said other part in slideable electrical contact with said rings and connected to said source.

2,473,148
RADIATOR VALVE ASSEMBLY
August G. Joos, Velda Village, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application September 26, 1945, Serial No. 618,703
2 Claims. (Cl. 251—39)



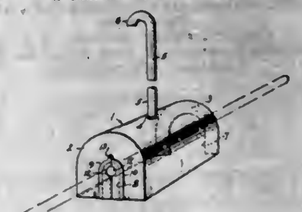
1. A valve comprising a body member provided with a valve seat; a valve member having a portion engageable with said seat; a pair of studs on said valve member; a bridging member provided with spertures through which the studs extend; resilient means associated with each stud to maintain said bridging member in predetermined spaced relation with said valve member; a shaft rotatably mounted in said body member and disposed between said bridging member and said valve member; eccentric means on said shaft engageable with said valve member to open the valve and engageable with said bridging member to close the valve; and a nut on each stud in engagement with said bridging member to adjust the spacing between said bridging member and said valve member to thereby adjust the pressure between the seat engaging portion of the valve member and said seat when the valve is in closed position.

2,473,149
MECHANICAL PENCIL WITH STEP-BY-STEP LEAD FEEDING MEANS
David Jueiss, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J., a corporation of New York
Application September 7, 1945, Serial No. 614,863
5 Claims. (Cl. 120—17)



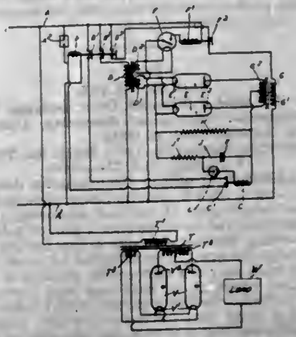
1. In a mechanical pencil, a casing, a tapered extension secured to one end thereof, actuating means within and extending from the other end of the casing and lead feeding means operable by the actuating means and forming a unit with the tapered extension, including a movable collet having leading gripping means and a restricting collar surrounding and movable within limits with the collet.

2,473,150
GAS TRAP
Warren C. Kimbrough, Portland, Oreg.
Application October 4, 1947, Serial No. 778,016
2 Claims. (Cl. 48—193)



1. A gas trap consisting of a bottomless housing of inverted U shape in cross section closed at one of its ends by a wall having an elongated vertical opening therein, a pair of closure plates pivoted to said wall and adapted when drawn together to seal off said opening, a pair of aligned cut-outs in said closure plates adapted to encircle a pipe extending through the housing to prevent escapement of gas through said wall about the pipe and to lock the housing to the pipe against accidental displacement, the opposite end of the housing being formed with a wall having an enlarged opening therein to straddle said pipe, a vent opening formed in the top of the housing in open communication with a conduit in open communication with the atmosphere.
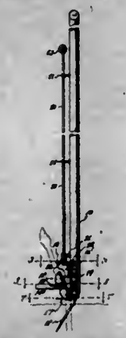
2,473,151
MERCURY VAPOR RECTIFYING APPARATUS
Stanley George King, London, England, assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application July 24, 1945, Serial No. 606,817
In Great Britain May 22, 1944
10 Claims. (Cl. 315—210)



1. Hot cathode mercury vapour rectifying apparatus including at least one operative mercury

vapor rectifier tube in a main circuit, at least one spare mercury vapor rectifier tube, auxiliary apparatus controlled by the operation of the equipment whereby currents can be caused to pass through the anode and filament circuits of the said spare tube, and a time switch which is automatically closed when the rectifying apparatus is switched on and opens automatically to switch the auxiliary apparatus off after a predetermined period.

2,473,152
TOOL FOR REAPING ASPARAGUS AND THE LIKE
Casper Kreutzer, Millitown, N. J.
Application November 21, 1946, Serial No. 711,381
5 Claims. (Cl. 294—50.8)



1. A tool for the purposes described comprising a handle staff, a cutting blade affixed to the lower end of said handle staff, a stalk receiving trough affixed to the handle staff adjacently above the cutting blade, a bearing yoke also affixed to said handle staff to project laterally therefrom adjacent to said trough, a spindle journaled in said bearing yoke, a gripper arm fixed on said spindle so as to be swung by rotary movement thereof transversely across said trough, a shaft rotatably mounted on and parallel to said handle staff, said shaft having a lever arm at its upper end for rotating the same, a driver crank wheel fixed on the lower end of said shaft, a driven crank wheel fixed on said spindle, and a transmission link interconnecting said crank wheels.

2,473,153
BLOOD FILTER
Roger K. Lager, Lakewood, Ohio, assignor to The Continental Pharmacal Company, Cleveland, Ohio, a corporation of Ohio
Application August 22, 1947, Serial No. 770,074
6 Claims. (Cl. 210—170)

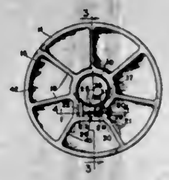
5. A blood filter unit of the character described comprising a hollow tubular body provided with a blood intake port at one end and with a blood discharge port at its other end, a wall of said body surrounding said intake port, a cap having a depending peripheral flange adapted for attachment to said wall, an elongated needle passing through a central aperture in said cap and having an inner portion extending through said intake port into said body and an outer portion extending outwardly beyond said cap and adapted to pierce a closure portion of a blood container, said needle being provided with a blood flow passage extending completely longitudinally therethrough, transverse partition means within said cap and surrounding said needle to define a chamber in said cap out of communication with said body and said needle, a tubular sleeve surrounding part of the outer portion of said needle, and spaced radially outwardly therefrom to provide an annular passage, the inner end of said sleeve extending through said aperture in said cap whereby to establish air flow communication with said chamber, the outer end of said sleeve stopping somewhat short of the outer tip of said needle but being likewise adapted to pierce said blood container closure, the cap portion constituting the outer chamber wall being provided with a vent opening whereby to permit outer air to flow into said chamber and then through said annular passage, air filter means in said chamber in the path of said air flow, an outlet port closure, a blood outlet tube passing through said last named closure for the discharge of blood from said tubular body, said outlet tube having a portion extending inwardly into said body, a filter sack of woven material having a neck portion telescopingly applied to the inner end of said outlet tube whereby blood flow from said body passes from said body through said sack and thence outwardly through said outlet tube, and means for maintaining the sack substantially above the bottom of the tubular body when in normal operating position, whereby clots in the blood stream are intercepted by the outer surface of the sack, and settle by gravity to the bottom of the receptacle.



2,473,154
PRODUCTION OF SOAP FROM HYDROGENATED VEGETABLE OILS
Willy Lange and Robert G. Folzenlogen, Cincinnati, Ohio, assignors to The Procter & Gamble Company, Ivorydale, Ohio, a corporation of Ohio
No Drawing. Application December 12, 1945, Serial No. 634,612
11 Claims. (Cl. 260—419)

5. The process of preparing soap from a vegetable oil containing gamma tocopherol which comprises treating the vegetable oil with hydrogen gas in the presence of a metallic hydrogenating catalyst and a hydroperoxide of the formula R·O·O·H wherein R is selected from the group consisting of hydrogen and an organic radical, under conditions which produce a reduction of the iodine value of the oil, and saponifying the hydrogenated oil, the amount of hydroperoxide present during hydrogenation being sufficient to inhibit the formation of gamma tocopherol orthoquinone but not substantially more than 0.5 per cent based on the weight of the oil.

2,473,155
WARP BEAM FOR LOOMS
Frank D. Lindquist, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application September 30, 1948, Serial No. 51,930
6 Claims. (Cl. 242—124)



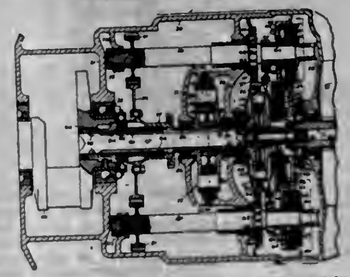
1. In a warp beam having a cylindrical barrel member provided with external screw threads, a warp head having internal screw threads fitting the screw threads of said barrel member, means on the warp head having a flat surface substantially parallel to the axis of said barrel member but spaced from said barrel member, a wedge member slidable on said surface and having a concave surface configured to fit said screw threads of the barrel member, and means on the warp head to effect movement of the wedge member along said surface relatively to said head in a direction laterally of the barrel member to force the concave surface of the wedge member into tight holding relation with the screw threads of the barrel member.

2,473,156
PROCESS FOR DEVELOPING HIGH MAGNETIC PERMEABILITY AND LOW CORE LOSS IN VERY THIN SILICON STEEL
Martin F. Littmann, Middletown, Ohio, assignor to Armco Steel Corporation, a corporation of Ohio
Application November 16, 1944, Serial No. 563,750
6 Claims. (Cl. 148—12.5)



1. A process of producing very thin silicon steel of substantially .5 to 7 mils in thickness, having low hysteresis loss and a high permeability in the rolling direction which comprises producing from silicon steel containing substantially 2% to 4.5% silicon a starting material with a thickness substantially between 7 and 25 mils, low in carbon, and having a [100] (110) type of crystal orientation, and thereafter reducing said silicon steel starting material by cold rolling it in at least one stage with a cold rolling reduction of substantially between 60 and 90%, following each such stage of the said cold rolling with a recrystallizing heat treatment at a temperature substantially between 1200 and 2200° F.

2,473,157
TRANSMISSION MECHANISM
Carroll J. Lucia, Toledo, Ohio, and Forest R. McFarland, Huntington Woods, Mich., assignors to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 15, 1945, Serial No. 582,892
7 Claims. (Cl. 74—681)



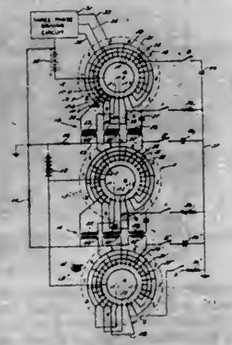
1. A variable speed transmission comprising a driving shaft, a driven shaft, speed ratio varying means interposed between the driving and driven shafts and including a power input gear set and a power output gear set, the power input gear set having a nonrotatable ring gear, a planet carrier operably connected to the driving shaft, and a driving sun gear, the power output gear set having a planet carrier operably connected to the sun gear of the power input gear set, a sun gear operably connected to the driven shaft, and a rotatable ring gear, a plurality of spaced ring gear control shafts extending parallel with and operably connected to the driving shaft, one-way driving means between the ring gear and the control shafts, and manually operable braking means to lock said ring gear against rotation.

2,473,158
SKI POLE
Claude A. Luckens, Jr., Steamboat Springs, Colo.
Application July 1, 1946, Serial No. 680,761
2 Claims. (Cl. 280—11.37)



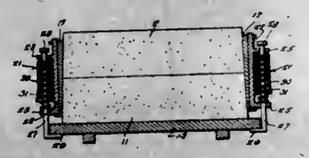
1. In a ski pole having a handle portion and an internally threaded socket at one end; a removable ski pole tip comprising an elongated body having an externally threaded shank receivably engaging said socket, said body having a reduced integral extension forming a screw driver blade.

2,473,159
COUNTING TUBE TRANSFER CIRCUIT
Harold T. Lyman, Jr., Glen Arm, Md., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application January 29, 1949, Serial No. 73,568
8 Claims. (Cl. 315—323)



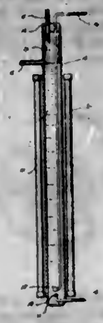
1. A counting tube transfer circuit for transmitting a counting pulse from one counting tube to another counting tube comprising; a first order counting tube for registering received pulses from an outside source, including three electrodes, each with a plurality of discharge fingers, and three independent discharge fingers with separate lead-in conductors; a second order counting tube for registering a carry pulse from the first order counting tube; and transfer circuits between each of the three independent discharge fingers of the first order counting tube and the three corresponding electrodes of the second order counting tube.

2,473,160
MOLD JACKET
Frank L. Madrigal, Tulsa, Okla.
Application July 14, 1944, Serial No. 544,851
3 Claims. (Cl. 22—109)



3. A mold jacket provided with a bottom board, said jacket comprising sections, provided with means for joining them at the lateral vertical edges to form a closed frame, each section being further provided with a recess in its outer side wall, the lateral walls of the recess facing each other being undercut and tapering towards the bottom, a removable clamping and locking means for holding the bottom board removably towards the jacket, said clamping and locking means including a base plate with tapering inclined lateral walls, dovetailing with the undercut tapering recess walls, said base plate carrying a spring pressed locker bar, provided with a projecting member at its end for gripping and holding the said bottom plate.

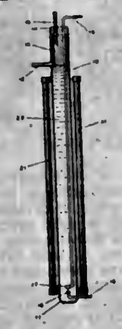
2,473,161
PROPANE CHLORINATION
Earl T. McBee, La Fayette, Ind., and Lawrence W. Devaney, Fishkill, N. Y., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
Application September 26, 1945, Serial No. 618,789
5 Claims. (Cl. 204—163)



1. The method which includes: (1) maintaining a body of liquid polychloropropanes (A) having a specific gravity greater than the starting material (B), said specific gravity of (A) being greater than about 1.3; (2) continuously introducing through diffusion means into said liquid body (A) at a point in a first region thereof, a starting material (B) selected from the group consisting of propanes and partially chlorinated propanes, said starting material (B) having a specific gravity less than about 1.3 and less than that of the body of liquid polychloropropanes (A) into which said starting material (B) is introduced; (3) introducing chlorine into a second region of said liquid body (A); (4) causing liquid polychloropropanes (A) containing dispersed starting material from the one region to move continuously into the other region in the liquid body (A); (5) catalysing the chlorination reaction with actinic light; (6) maintaining a temperature above about —40 degrees centigrade and below about 90 degrees centigrade in the reaction zone; (7) maintaining a chlorine to starting material (B) molar ratio between about 2 to 1 and about 7 to 1; and, (8) continuously withdrawing a liquid polychloropropane product (C) having a substantially constant specific gravity greater than about 1.3 and greater than that of the starting material (B) from an upper portion of the said body of liquid (A) at a point removed from said first and second regions.

2,473,162
LIQUID PHASE CHLORINATION
Earl T. McBee, West Lafayette, Ind., and Lawrence W. Devaney, Fishkill, N. Y., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
Application December 20, 1945, Serial No. 636,267
13 Claims. (Cl. 204—163)

1. The method which includes: (1) maintaining a body of liquid polychlorohydrocarbons (A) having the same number of carbon atoms in the molecule as the starting material (B) and a specific gravity greater than the starting material (B), said specific gravity of (A) being greater than about 1.3; (2) continuously introducing, through diffusion means into said liquid body (A) at a point in a first region thereof, a starting material (B) selected from the group consisting of aliphatic and alicyclic hydrocarbons and partially chlorinated aliphatic and alicyclic hydrocarbons, having in the molecule between three and eight carbon atoms, inclusive, said starting material (B) having a specific gravity less than that of the body of liquid polychlorohydrocarbons (A) into which said starting material (B) is introduced; (3) introducing chlorine into a second region of said liquid body (A); (4) causing liquid polychlorohydrocarbon (A) containing dispersed starting material (B) to move continuously from



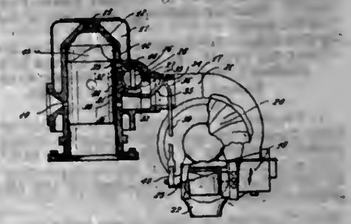
the one region into the other region in the liquid body (A); (5) catalyzing the chlorination reaction with actinic light; (6) maintaining a temperature between about zero degrees and about 150 degrees centigrade in the reaction zone; (7) maintaining a chlorine to starting material (B) mole ratio between about 2 to 1 and 18 to 1; and, (8) continuously withdrawing a liquid polychlorohydrocarbon product (C) having a substantially constant specific gravity greater than about 1.3 and greater than that of said starting material (B) from an upper portion of the said body of liquid (A) at a point removed from said first and second regions.

2,473,163
PLATING NICKEL ON ALUMINUM
Ewald H. McCoy, Chicago, Ill.
No Drawing. Application June 25, 1945, Serial No. 601,545
2 Claims. (Cl. 204—42)

1. In a process for plating nickel upon a metal piece selected from a group consisting of aluminum and aluminum alloys, the steps of dipping said piece in ammonium bifluoride water solution, in which the ammonium bifluoride is from 5 to 20% by weight, anodically oxidizing the piece in an aqueous solution of orthophosphoric acid in which the acid is from 5 to 20% by volume at a potential of at least four volts to form an adherent conductive coating on the piece, and electroplating nickel thereon in a bath having a pH below six.

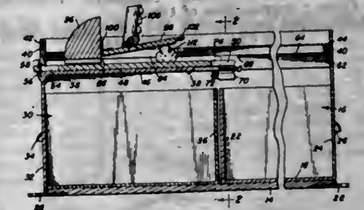
2,473,164
TWO-CYCLE ENGINE
John Joseph McCoy, Los Angeles, Calif.
Application December 7, 1946, Serial No. 714,791
5 Claims. (Cl. 123—65)

3. In combination with a two-cycle internal combustion engine having an inlet for a fuel charge to a cylinder thereof, one or more release ports arranged along the length of the cylinder toward the cylinder head from the inlet through which a portion of the charge taken into the cylinder may be released, said ports being arranged to be opened and closed by the piston in the cylinder in the course of its strokes, a rotary



valve, time driven, with relation to the crank shaft of the engine for consecutively opening and closing said release ports, and a ported sleeve valve surrounding the rotary valve selectively adjustable to open or close any of the release ports to the rotary valve.

2,473,165
THREE-WAY VEGETABLE SLICER
Horace C. McKinney, Rocksprings, Tex., assignor of one-half to Evelyn R. Minter, Rocksprings, Tex.
Application December 26, 1947, Serial No. 793,795
1 Claim. (Cl. 146—78)



A food slicer comprising an elongated box-like casing open at the top, a carrier longitudinally slidably mounted in an upper portion of the casing, a table mounted on the casing immediately beneath said carrier, a transversely disposed knife secured to the casing intermediate the ends of the casing and slightly above the level of the table, and a multiple bladed cutter mounted on said casing and disposed adjacent to and parallel with said knife, said cutter being rotatable into operative and inoperative positions, a transverse bolt positioned on the casing to limit rotation of the cutter in one direction, said table being slotted to receive blades of the multiple bladed cutter when said cutter is in operative position, said table being slidable in one direction longitudinally of the casing to hold the cutter in operative position and in engagement with said transverse bolt and slidable in the opposite direction to allow rotation of the cutter into inoperative position, means to fasten said table in either position, said table being also slidable in said one direction when the cutter is in inoperative position to provide support for vegetables being processed immediately in front of said knife, and said carrier having a plurality of depending ribs adapted to slide between said blades when the carrier is moved in one direction.

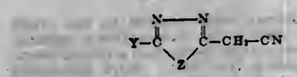
2,473,166

PROCESS FOR THE PRODUCTION OF PHOTOGRAPHIC IMAGES BY COLOR DEVELOPMENT

Philibert Raymond Merckx, Mortsel-Antwerp, Belgium, assignor to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium, a company of Belgium

No Drawing. Application February 26, 1948, Serial No. 11,324. In Belgium August 3, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 3, 1965
8 Claims. (Cl. 95—6)

1. Process for the production of photographic color images by color development, which comprises developing a reducible silver salt image with a primary aromatic amino developing agent in the presence of a compound of the following general formula:



wherein

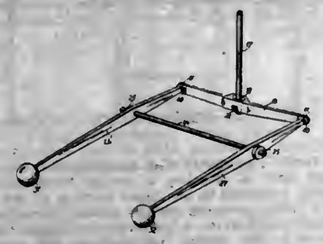
Z is a member selected from the group consisting of O and S,
Y is a member selected from the group consisting of aliphatic-, homo- and heterocyclic groups.

2,473,167

TWO-HAND CONTROL

Howard Mills, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio

Application December 9, 1944, Serial No. 567,424
1 Claim. (Cl. 74—480)



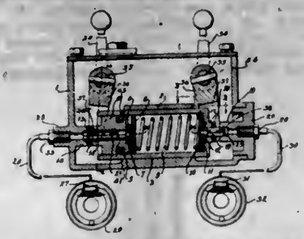
In mechanism of the character described, two normally horizontal levers mounted to turn about a common horizontal axis for rocking movement in spaced vertical planes, a shipper rod disposed for longitudinal movement in a vertical direction, a yoke disposed at right angles to said planes, said levers having work arms of equal length with cylindrical extensions at the ends thereof, said yoke having holes therethrough aligned with said extensions in the normal positions of the levers, said holes being flared outwardly toward the front and rear of the yoke to provide sliding universal joints adapted to compensate for the arcuate travel of the work arms, and a horizontal transverse pivot carried by said yoke midway of its length upon which the lower end of said shipper rod is mounted, whereby operation of one only of said levers turns said yoke member upon said pivot and shifts the other lever in the opposite direction, while operation of both levers in the same direction raises said shipper rod.

2,473,168

SELECTIVE OPERATION OF SYSTEMS BY A UNIT CYLINDER

Arthur N. Milster, St. Louis, Mo., assignor to Wagner Electric Corporation, a corporation of Delaware

Application December 14, 1946, Serial No. 716,269
7 Claims. (Cl. 60—54.5)



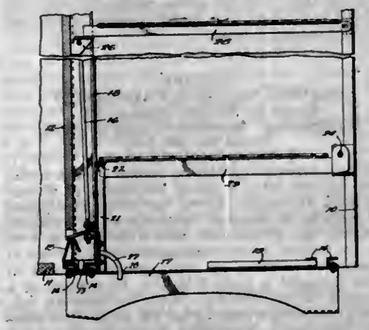
4. A mechanism for selectively actuating a plurality of devices comprising a casing; a cylinder reciprocably mounted in said casing; a piston reciprocably mounted in said cylinder; a pair of systems; means for establishing communication between the interior of said cylinder and said systems; valve means associated with said piston and cylinder mechanism actuated upon relative movement of said piston and cylinder; and means for selectively relatively moving said cylinder and said piston to thereby selectively actuate said system.

2,473,169

REFRIGERATOR CAR WITH A MOVABLE BULKHEAD

Charles L. Moorman, Millington, Ill., assignor to Union Asbestos & Rubber Company, a corporation of Illinois

Application October 22, 1945, Serial No. 623,714
5 Claims. (Cl. 62—19)



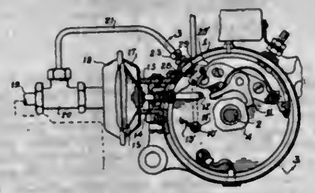
1. In a refrigerator car or the like having a lading rack above its floor and terminating at a point spaced from the end of the car, a bulkhead in the car extending substantially from the top to the bottom thereof and mounted for movement from a retracted position adjacent the end of the car to an extended position adjacent the end of the lading rack, a transversely extending beam adjacent the end of the lading rack and in horizontal alignment therewith to support the bulkhead when it is in its extended position, and a floor rack pivoted adjacent the end of the lading rack for movement from a horizontal position in which it forms a continuation of the lading rack to a vertical position against the inner surface of the bulkhead when the bulkhead is in its extended position.

2,473,170

AUTOMATIC SPARK ADVANCE MECHANISM

William Ostling, Los Angeles, Calif., assignor to California Machinery and Supply Company, Ltd., Los Angeles, Calif., a corporation of Delaware

Application February 3, 1947, Serial No. 726,112
6 Claims. (Cl. 200—31)



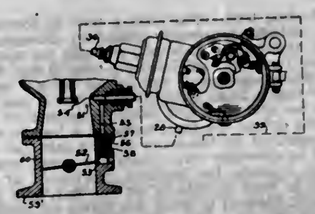
2. An automatic spark advance mechanism for spark ignition engines, which comprises a rotatably mounted breaker cam, a cam shaft for rotation of said breaker cam, a circuit breaker in operative association with said breaker cam, a mounting for said circuit breaker, said mounting being angularly adjustable about said cam, a pneumatically operated power means including an air tight chamber, a diaphragm in said chamber and a rod connecting said diaphragm to said mounting, a conduit connected to said chamber, a bleed by-pass line connected to said chamber, a valve in said bleed by-pass line, and a cam positioned on said circuit breaker mounting and in operative association with said valve to open said valve in a predetermined relation to the angular position of said circuit breaker around said breaker cam.

2,473,171

AUTOMATIC SPARK ADVANCE MECHANISM

William Ostling, Los Angeles, Calif., assignor to California Machinery and Supply Company, Ltd., Los Angeles, Calif., a corporation of Delaware

Application February 18, 1947, Serial No. 729,374
21 Claims. (Cl. 123—117)



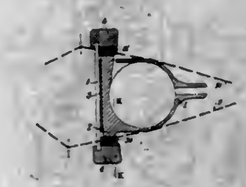
1. An automatic spark advance mechanism, which comprises a breaker cam, a cam shaft, a circuit breaker in operative association with said breaker cam, a rotatable mounting for said circuit breaker, means for rotating said breaker mounting about the axis of said cam, comprising a fluid pressure power means, a driving connection between said power means and said mounting, said driving means including a cam actuated linkage in said driving means, said cam actuated linkage including a plurality of cam surfaces, a cam follower, and selective positioning means for selecting the cam surface contacting said follower.

2,473,172

SHUTTLE-GUIDING DEVICE IN CIRCULAR LOOMS

Henri Pelcé, Paris, France, assignor to Societe dite: Saint Freres (Societe Anonyme), Paris, France

Application February 21, 1947, Serial No. 730,029
In France January 17, 1947
5 Claims. (Cl. 139—13)



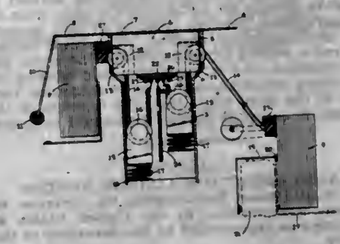
1. In a circular weaving loom comprising a shuttle raceway composed of a ring of platens retained between a pair of parallel annular supports, adapted to guide the shuttle in its circular motion and across the intervals of which the warp threads can be shifted up and down, the provision on the inside of either support of a lining of bristles in the interstices of which the threads belonging to either sheet of the warp can lodge clear of the shuttle in either open condition of the shed.

2,473,173

OUTDOOR THEATRE LOUDSPEAKER SUPPORT POST

George M. Petersen, Cleveland, Ohio

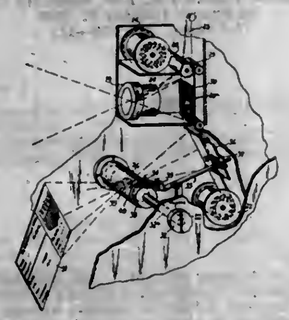
Application June 29, 1945, Serial No. 602,287
4 Claims. (Cl. 179—150)



1. A support for loud speakers or the like comprising a hollow standard, a speaker unit adapted

to be supported on the standard, a head block in said support, a flexible electrical cable connected to said block and to said unit to permit said units to be used at points remote from said support, and means acting on said cable normally to retract said unit to be supported on said support when released from said remote points, and means co-acting with said last named means to ease the return of said unit to said support.

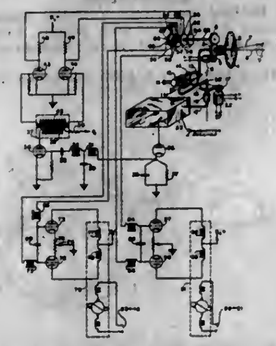
2,473,174
DOUBLE EXPOSURE PHOTOGRAPHING AND DEVELOPING APPARATUS
George N. Pifer, Cleveland Heights, Ohio, assignor to Speedtype, Inc., Cleveland, Ohio, a corporation
Application December 4, 1944, Serial No. 566,429
3 Claims. (Cl. 95—14)



1. In a photographic apparatus including a housing, a camera therein having a shutter and lens, means for moving a sensitized strip in photographing relationship to said camera, and a window in said housing in alignment with said lens; the improvement which comprises the provision of means for exposing to said camera a fractional area only of said strip, a second lens and shutter within said housing, a slide within said housing and having an opaque area and a transparent area, means for moving said slide just prior to the opening of said second shutter to position the opaque area of the slide over the fractional area of the strip which was exposed during the first exposure and the transparent area of the slide over the unexposed portion of the strip, means for advancing the strip from its photographing position relative to said camera to a photographing position before said second lens for a second exposure thereon adjacent the first exposure, and means within said housing for developing simultaneously the two exposed portions of the strip while the strip remains in the position it occupied during the second exposure.

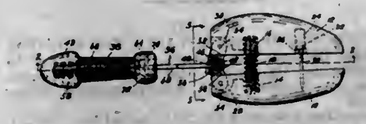
2,473,175
RADIO DIRECTION-FINDING SYSTEM
Louis N. Ridenour, Philadelphia, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application December 30, 1943, Serial No. 516,299
17 Claims. (Cl. 343—7)

13. Radio direction finding apparatus comprising, means to receive electromagnetic waves from a remote object, a directive antenna system associated with said receiving means and having an axis of directivity and an axis of orientation, means to move said axis of directivity about said orientation axis in a predetermined manner, means responsive to said waves received during the motion of said axis of directivity including



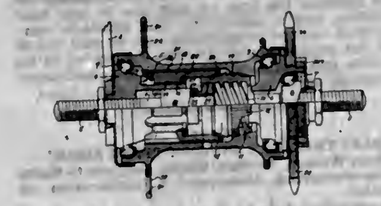
a detector to detect said waves, an amplifier to amplify the output of said detector, and a phase sensitive rectifier associated with the output of said amplifier, and means to utilize the response of said responsive means to operate servomotor means to cause said axis of orientation to seek alignment with said object.

2,473,176
EXPANSIBLE SHOE TREE
Arthur Schoshusen, West Somerville, Mass.
Application April 30, 1946, Serial No. 666,074
3 Claims. (Cl. 12—128.2)



1. A shoe tree comprising a pair of fore-part form sections constantly biased in direction to spread them laterally apart, a toggle for operating said form sections laterally toward and from each other, said toggle comprising a rigid bar, a pair of toggle links pivotally mounted at one end of the bar and each link pivotally connected to a different one of the form sections, a handle slidably mounted on the other end of said bar and biased in direction away from the toggle end of the bar, means for limiting movement of the handle in both directions on the bar, said toggle being adapted to move the fore-part sections laterally toward each other in response to a pull on said handle while the fore-part sections are held against movement in the general direction of the pull.

2,473,177
BICYCLE COASTER BRAKE
Henry Allan Sherwood, New York, N. Y.
Application July 25, 1947, Serial No. 763,554
3 Claims. (Cl. 192—6)



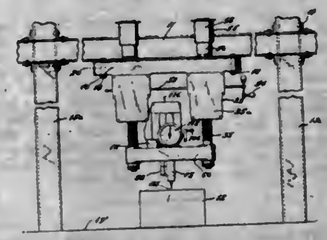
1. A coaster brake including a stationary axle, a hollow screw rotatively encircling said axle and receiving the operating force, a hub rotatively encircling said axle and screw with an inwardly facing clutch cone adjacent said screw, a nut screwed on said screw with its outside having an outwardly facing clutch cone cooperating with said clutch hub cone and an inwardly facing brake operating cone, a stationary inwardly facing brake operating cone encircling said axle and spaced opposite said brake operating nut cone, a plurality of brake shoe segments encircling said axle between said brake operating cones with operating ends cooperating therewith so said segments can be wedged radially into contact with the inside of said hub, guides rotatively locking said segments relative to said stationary brake operating cone while leaving them free for longitudinal and radial movement, and a device for at least retarding rotation of said nut and positioned entirely between it and said axle and free from said brake shoe segments and said hub, said guides being formed in a cantilever hub nonrotatively encircling said axle and extending toward the adjacent end of said nut, and said device comprising a hub fixed to said end of said nut and projecting inside the first-named hub, the latter having a bore for receiving the second-named hub and the adjacent surfaces of the two frictionally interengaging.

2,473,178
ICE TRAY
Maximilian Siebigteroth, Detroit, Mich., assignor to Charles B. Kemp., Grosse Pointe, Mich.
Application June 23, 1947, Serial No. 756,352
3 Claims. (Cl. 62—108.5)



1. In a sharp freezing container the combination of a tray and a grid adapted to be removably positioned in said tray, said grid comprising a longitudinal partition which comprises an upper and lower member, a plurality of transverse partitions forming transverse walls and dividing the tray into a plurality of compartments, one transverse wall of each compartment being connected to and movable with said upper member and the other transverse wall of each compartment being connected to and movable with said lower member, manually operable means cooperating with said upper and lower members for imparting bodily movement to said upper member relative to said lower member so that one transverse wall of each of said compartments is bodily moved with respect to the other transverse wall of said compartment and means for bodily moving said lower member with respect to said tray so that the transverse walls connected to said member are bodily moved with respect to the walls of said tray.

2,473,179
BRIDGE-TYPE HARDNESS TESTER
David F. Sklar, Brooklyn, N. Y., assignor to Wilson Mechanical Instrument Co., Inc., New York, N. Y., a corporation of New York
Application July 15, 1946, Serial No. 683,610
20 Claims. (Cl. 73—83)



1. In combination, a horizontally elongated member adapted to be fixedly supported above a test piece and having axially vertical bearings therein; pending screws slidable in the bearings and extending below the bearings and member; an internally threaded rotary collar on each screw in threaded engagement with the screw; means holding said collar against upward or downward movement relative to the member; means for rotating the collars; a movable bridge supported on the lower ends of the screws; a downwardly pointed penetrator vertically movably mounted on the movable bridge; and means for applying a testing force to the penetrator.

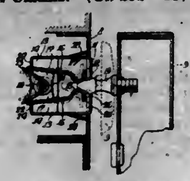
2,473,180
SMOKING PIPE CLEANER
Alfred L. Sohm, Van Nuys, Calif.
Application August 26, 1947, Serial No. 770,723
6 Claims. (Cl. 131—246)



5. In a pipe cleaner, a tubular body member, a pair of opposed members having their upper

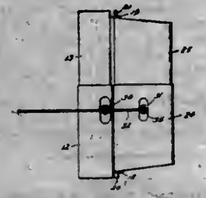
portions fulcrumed in said body members, sharp edged fingers depending from said opposed members, threaded studs having their outer ends seated in said opposed members, and a disc nut screw on said threaded studs.

2,473,181
CATCH
Roy A. Stone, Rockford, Ill., assignor to National Lock Company, Rockford, Ill., a corporation of Delaware
Application December 19, 1945, Serial No. 636,013
4 Claims. (Cl. 292—18)



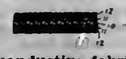
1. A catch, comprising a sheet metal frame structure including a base, a pair of side walls projecting from said base and formed at their outer ends to provide opposed overlapping projections, a pintle extending through said overlapping projections, a pair of holding jaws pivotally mounted on said pintle and extending between said side walls toward said base, and a spring mounted on the pintle and engaging said jaws whereby said jaws are yieldingly held in position to retain an interposed strike.

2,473,182
ADJUSTABLE FLUE OR CHIMNEY DAMPER FOR FIREPLACES, FURNACES, AND THE LIKE
Ernest A. Stretz, Compton, Calif.
Application October 6, 1944, Serial No. 557,536
1 Claim. (Cl. 126—288)



In a damper assembly, the combination of two elongated base members of L-shape in cross section longitudinally and slidably secured in nested contact with each other with the outer surfaces of the legs of one member in face to face contact with the inner surfaces of the corresponding legs of the other member, whereby the two members are capable of longitudinal sliding movement relative to each other for fitting the damper in a flue, a pair of flat members extending longitudinally of said base members, the same being in face to face contact and movable with respect to each other longitudinally of the base members, such movement corresponding to the relative movement of the base members with respect to each other, one edge of said flat members being disposed adjacent the outer flat side of one of the legs of said L-shaped base members and pivotally mounted upon said flat side of said base members on an axis extending longitudinally thereof, a pair of lugs struck from one of said base members and a corresponding pair of lugs struck from one of said flat members, the lugs of each pair being in alignment with each other and with those of the other pair, a damper operating lever pivotally connected intermediate its ends between the lugs on said one of said base members, and a connecting link pivotally connected at one end between the lugs on said one of said flat members and pivotally connected at its opposite end to the adjacent end of said damper operating lever.

2,473,183
ELECTRICALLY CONDUCTIVE FABRIC
William Watson, Auburn, Maine, assignor to Bates Manufacturing Company, a corporation of Maine
Application July 16, 1947, Serial No. 761,178
10 Claims. (Cl. 219—46)

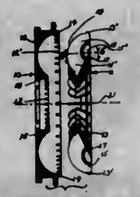


1. Electrically conductive fabric having a film of material comprising from about 90 to about 100 parts by weight of a carbon black and from about 60 to about 110 parts by weight of plasticizer to 100 parts by weight of vinyl resin.

2,473,184
PROCESS FOR PREPARATION OF DEHYDRATED FOOD PRODUCTS
Wells Alan Webb, San Jose, Calif.
Application December 2, 1947, Serial No. 789,211
10 Claims. (Cl. 99—204)

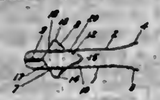
1. A process for dehydrating fruit comprising subjecting fruit to contact with an edible liquid of low vapor pressure at a temperature of 70°–100° C. and to a reduced pressure of less than about one half pound per square inch absolute pressure to reduce the water content of the fruit to less than 6% by weight, momentarily increasing the temperature of the liquid to about 100°–125° C. while said fruit is subject to said reduced pressure to puff said fruit, and cooling the dehydrated fruit under substantially said reduced pressure to maintain the puffed condition in the fruit.

2,473,185
FLUID COUPLING WITH UNITARY DIE CAST VANE STRUCTURE
Erwin A. Weiss, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 19, 1946, Serial No. 642,375
6 Claims. (Cl. 103—115)



1. A fluid coupling vane member suitable for die-casting comprising a plurality of radially extending vanes, bridging means forming the sole integral support of said vanes, said means connecting the vanes at an intermediate point so that the vanes project from two sides of the bridging means, and said vanes tapering parallel with the axis of rotation of the vane member in both directions from said bridging member to their free edges.

2,473,186
HAIR CURL HOLDER PIN
Alma Wittman, Petersburg, Mich.
Application May 18, 1946, Serial No. 670,662
1 Claim. (Cl. 132—46)



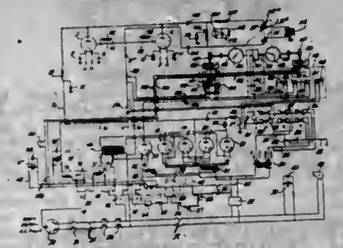
In a hair curl holder pin comprising a single strand of resilient wire having two opposite end lineal portions extending substantially in spaced parallel relation and a pair of intermediate lineal portions immediately adjoining each of said end portions extending in helical continuity and close wrapped relation to each other and conjointly extending in spaced parallelism with and between said end lineal portions through a plane parallel to the plane of extension of said end lineal portions, characterized by the provision of a central lineal portion whose opposite ends immediately adjoin said pair of intermediate lineal portions and which extends therebetwen in loop continuity of the form substantially like that of a trapezium with three U-shaped vertices, said closely wrapped intermediate lineal portions adapted for supporting the trapezium looped central lineal portion spaced from opposite ends of said parallel end portions to locate one of said U-shaped vertices at a point on a plane extending parallel to and spaced from said plane of extension of said end lineal portions and equi-distant from and between said end lineal portions and each of the other two of said U-shaped vertices at a point on said plane of extension of said end lineal portions exterior to the space between said end lineal portions and spaced from each of said end lineal portions, said intermediate and central lineal portions providing means adapted to span one side of a hair curl, spiderwise, and clamp the hair curl against the end lineal portions, the hair of perimetrical coils of the curl being crimped and locked between each of said last named U-shaped vertices and one of said end lineal portions.

2,473,187
AUTOMOBILE DISAPPEARING WARNING SIGNAL
George S. Zelk, Vallejo, Calif.
Application February 17, 1947, Serial No. 729,036
4 Claims. (Cl. 177—329)



2. A disappearing warning signal adapted to emit light through the rear window of a vehicle, comprising a plurality of lamps attached to a shaft, means for rotating said shaft so as to raise said lamps in front of said rear window or to lower the same so as to make invisible from outside of the vehicle.

2,473,188
RADIO-FREQUENCY DIELECTRIC HEATER WITH CONSTANT HEATING RATE CONTROL
Frederick G. Albin, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application June 17, 1944, Serial No. 540,767
5 Claims. (Cl. 250—36)

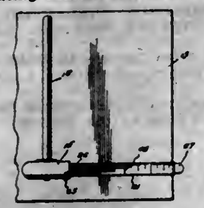


1. An electrical generator system for heating a load with current from said system comprising a vacuum tube having an anode, grid, and a cathode, a feedback circuit between said anode and said grid, a tuned circuit connected to said anode, grid, and cathode, said tuned circuit including inductance and capacitance determined by the capacitance of a multiple-electrode variable condenser having two adjustable electrodes and the capacitance of said load connected to said system, the capacitance of said variable condenser and said load capacitance determining the feedback current in said feedback circuit connected to the grid of said tube, means for supplying said generator with direct current for the anode of said tube, and plural motor means for varying the adjustment of the multiple electrodes of said variable condenser to maintain the total capacitance of said variable condenser and said load at a substantially constant value, said last-mentioned means including a first motor connected to one adjustable electrode of said variable condenser, a second motor connected to another adjustable electrode of said variable condenser, a power supply for said motors, and means for rotating one of said motors in one of two directions according to the variations in grid current caused by changes in the capacity of said load.

2,473,189
GLASS CUTTER
William M. Baker, Clyde, N. Y.
Application February 2, 1945, Serial No. 575,809
3 Claims. (Cl. 33—42)

1. In combination, a housing including a pair of spaced and parallel side walls, a pair of glass cutting wheels including cutting edges, means mounting said wheels between said walls with said cutting edges in alignment and extending below said walls for rolling engagement with a glass work piece, a coiled measuring tape including a free end, means mounting said tape on said walls across one end thereof, said free end being adapted to be extended laterally of said walls whereby to provide an extended portion of said tape extending across a vertical plane defining said aligned cutting edges and at right angles

thereto, a hook fixed to said free end of said tape and depending therefrom, said hook being adapted to slidably engage an edge of said work piece, a finger grip formed on said free end of said tape, said tape being formed and inscribed with calibrating indicia selectively and visually

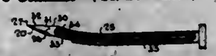


alignable with said aligned cutting edges, and means for locking said tape in a selected extended position, whereby said extended portion of said tape, hook and finger grip comprise a combined gauge and handle for the cutting of said work piece parallel to a hook-engaged edge thereof.

2,473,190
METHOD OF PRODUCING FIBROUS BUILDING COMPOSITIONS
Charles M. Baskin, Toronto, Ontario, and Norman W. McLeod, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 1, 1944, Serial No. 543,198. In Canada July 19, 1943
13 Claims. (Cl. 92—21)

1. A method of preparing a building composition which comprises breaking up a fibrous material into a state of fine subdivision, adding about ½ part of a flux oil to about 1 part of the divided fibrous material, adding an alkaline solution to the mixture of fibrous material and flux oil, digesting at 100 lbs. per square inch steam pressure for two hours the fibrous material, flux oil and alkaline solution to form a fibrous pulp, dispersing in the fibrous pulp an asphalt and flux oil, picking up the mixture of fibrous material, flux oil and asphalt in layers on a continuous blanket to form sheets, and submitting the said sheets of fibrous material, asphalt and flux oil to pressure and heat to remove water.

2,473,191
LARDING AND SEASONING NEEDLE
Alfred S. Bettencourt, East Orange, N. J.
Application March 31, 1947, Serial No. 736,419
5 Claims. (Cl. 17—42.1)



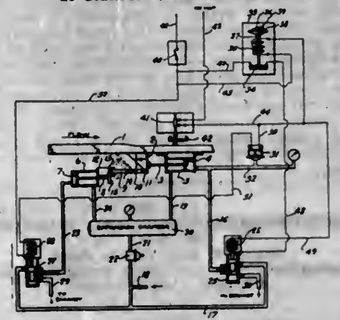
1. In a larding needle having a handle on one end and having a straight hollow tube body serving as a reservoir for the larding ingredients, and a tubular sharp tip portion extending from the free end of said body portion, the improvement comprising a long slot in said tube body wall, said slot being narrower than the diameter of the tube body and extending from near the handle to the free end of said tip portion, and said tip portion is gradually raised as the point is approached so that the sharp tip is disposed above the tube body, thereby making it possible to insert said needle in the material to be needled without disturbing the contents exposed in the slot and disposed within said hollow tube body.

2,473,192
COIL FOR WEED BURNERS AND PEAR BURNERS
John B. Blackwell, San Antonio, Tex.
Application August 12, 1945, Serial No. 610,469
1 Claim. (Cl. 158—79)



A weed burner, comprising an inlet pipe bent to form a coil, a hood having an open end and a closed head enclosing the coil, air inlet openings in said hood adjacent the closed head thereof, an air vent in said closed head, an opening in said hood adjacent the open end thereof, a fuel inlet pipe on said coil extending outwardly of said hood through the opening adjacent the open end thereof, said pipe being curved throughout a part of its length, and lying in a plane substantially parallel with said coil, and having a coupling on the free end thereof, a fuel outlet on said coil leading through the closed head of said hood adjacent said air vent, a jet nozzle on the fuel outlet, an L-fitting coupling said jet with said first outlet, a T-fitting mounting the jet, means for regulating the jet, a detachable wind guard having a closed end and an open end about the jet nozzle, and frictionally engaging the hood by means of the open end and an inlet opening in said wind guard.

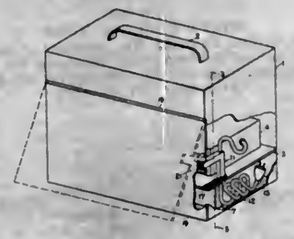
2,473,193
RECIPROCATING CONVEYER
Donald C. Campion, Detroit, Mich., assignor to Loftus Engineering Corporation, Pittsburgh, Pa., a corporation of Maryland
Application November 21, 1944, Serial No. 564,477
19 Claims. (Cl. 198—220)



1. A conveyor comprising in combination a pan upon which the work is placed and along which the work is conveyed, means for moving said pan forwardly in the direction which the work is being conveyed at a relatively slow speed so that the work moves with the conveyor, means for releasably latching said pan in its forward position, means in which fluid pressure is built up after the pan completes each forward stroke, control means actuated after said fluid pressure is built up to suddenly release said fluid pressure, means actuated by said released fluid pressure for moving said pan in the opposite direction at

a relatively faster speed sufficient to jerk the pan from under the work whereby for each cycle of operation comprising a forward and reverse movement of the pan the work is advanced a distance less than the stroke of the pan, said last mentioned means being ineffective to move the pan in the opposite direction while the pan is latched in its forward position and effective to jerk the pan from under the work when the latching means is released.

2,473,194
POWER SUPPLY SWITCHING SYSTEM
Ching-Ih Chou, West Webster, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application March 4, 1948, Serial No. 13,039
8 Claims. (Cl. 171—97)

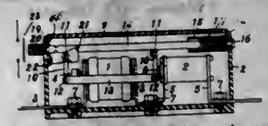


8. In a radio receiver of the type to be adapted to operate selectively from first and second power sources, a line cord adapted to be connected to said first power source external to said receiver, a rotary changeover switch having first and second positions displaced approximately 90° for adapting said receiver to operation respectively from said first and second power sources, a housing for said receiver having a rear opening and a removable closure therefor, an opening in said closure, and actuating means for said switch comprising a member having a first hollow arm portion and a second arm portion disposed in quadrature and adapted selectively to protrude into and to substantially fill said closure opening, said switch being in said first position when said first arm protrudes and in said second position when said second arm protrudes and said line cord passing through said hollow arm portion, whereby said closure must be displaced before said switch can be actuated and said hollow arm portion must occupy said opening to permit said line cord to extend outside of said closure.

2,473,195
TREATMENT OF OILS CORROSIVE TO COPPER
Charles A. Cohen, Roselle Park, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 10, 1946, Serial No. 696,051
4 Claims. (Cl. 196—40)

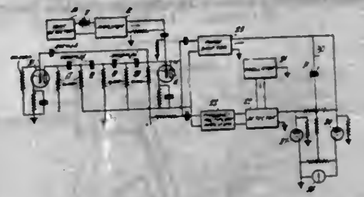
1. A process for preparing petroleum hydrocarbon oil non-corrosive to copper, said oil having been treated with strong sulfuric acid, the sludge having been removed, the acid treated oil having been neutralized with a neutralizing agent, the product of neutralization having been extracted with an immiscible solvent, and the residual immiscible solvent having been removed from the oil, and the resulting oil having been treated with clay, which comprises treating the said oil with an aqueous solution of a normal alkali metal sulfite.

2,473,196
COMBINED THERMAL-MAGNETIC CIRCUIT BREAKER
Kurt Dannenberg, Stoke-on-Trent, England
Application November 13, 1943, Serial No. 510,180
In Great Britain November 13, 1942
13 Claims. (Cl. 200—88)



1. An electric cut-out comprising, in combination, a cartridge fuse of current limiting type, a striker operatively connected for displacement by operation of said cartridge fuse immediately after fault clearance thereby, an overload protection device for said cartridge fuse and a striker operatively connected for displacement by operation of said overload protection device, said overload protection device being adapted to be made effectively responsive by fault currents in that range of overloads against which the cartridge fuse is immune, said cartridge fuse being adapted to be made effectively responsive prior to the effective response of said overload protection device, which is slower acting than said cartridge fuse in response to fault currents in overload ranges of higher magnitudes from which said overload protective device should be protected, and trip gear having members positioned in operative relation with said strikers for tripping said gear upon operation of either said fuse or said overload device.

2,473,197
HEAT DETECTING SYSTEM
John Evans, Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 21, 1945, Serial No. 600,713
2 Claims. (Cl. 250—83.3)



1. An amplifier system for an electronic heat detector, comprising in combination, a resistance-capacitance oscillator having an output section including the anode-cathode resistance of a grid-controlled electronic-tube amplifier as the shunt resistance element thereof, a source of variable grid potential for said tube responsive to received heat wave variations to vary the oscillator output frequency, a pair of diode rectifiers coupled in parallel through separate signal paths with said output circuit, a 180° phase-shift network in one of said paths, a frequency multiplier and a detector connected serially in the other of said

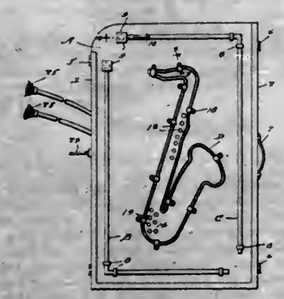
paths, a beating oscillator coupled to said detector to provide a beat frequency output substantially at the first oscillator frequency, and a common balanced output circuit for said diode rectifiers providing a differential output current in response to frequency variation of said first oscillator.

2,473,198
HAIR WAVER
Lucynda I. Fink, Liscomb, Iowa
Application August 28, 1946, Serial No. 693,432
4 Claims. (Cl. 132—38)



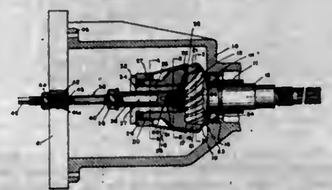
1. A hair waving device comprising a supporting bar, a plurality of longitudinally-curved tines arranged in superposed, spaced relation and connected to an end of said bar adapted to embrace the head, longitudinally-curved cover elements interposed between said tines and mounted for swinging movement about said supporting bar, each element being provided with a longitudinally-extending slot, a longitudinally curved hair-positioning member arranged underneath each of said cover elements and slidably mounted on the latter, each of said members having a series of spaced, vertical transversely-curved rows of teeth projecting from its under surface adapted to penetrate the strands of hair, a pin projecting from the outer surface of each of said members, said pin extending through the slot of the cover element complemental thereto, and means for securing the pin to said cover element to thereby lock the positioning member to the cover element.

2,473,199
MUSIC STAND
Max M. Garcia, Los Angeles, Calif.
Application January 24, 1947, Serial No. 724,131
2 Claims. (Cl. 84—464)



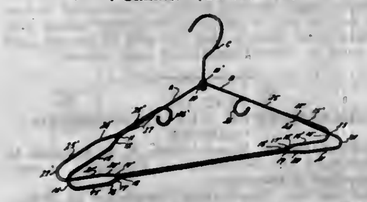
1. A decorative music stand for dance bands and the like, comprising an upstanding panel, sides hingedly connected to the panel to be arranged at the rear of the same, Lucite border elements mounted upon the front face of the panel and arranged near and following the marginal edge of the panel, light bulbs disposed adjacent to the ends of the Lucite border elements, means to supply current to the light bulbs, a Lucite frame design simulating a musical instrument and mounted upon the front face of the panel, light bulbs mounted upon the panel behind the Lucite frame design, opaque clips securing the Lucite frame design to the panel and covering the light bulbs of the Lucite frame design, means to supply current to the last named light bulbs, a plurality of light bulbs mounted upon the front face of the panel and arranged within the Lucite frame design, selective means to cause the last named bulbs to intermittently glow independently of the illumination of the Lucite frame design, and means mounted upon the rear face of the panel to support sheet music.

2,473,200
SHAFT-PULLING TOOL
Linnie Griffin, Roanoke, Va., assignor of one-half to Earl A. Fitzpatrick, Roanoke, Va.
Application February 20, 1946, Serial No. 649,027
5 Claims. (Cl. 29—283)



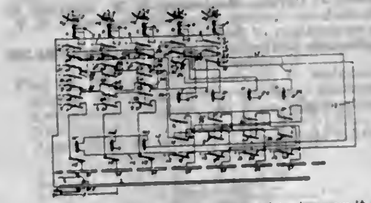
1. A device for removing spiral gears from a bearing support comprising, a sleeve having a socket provided with spiral grooves adapted to receive the teeth of a spiral gear, a shell having complementary sections of such internal diameter as to fit around said sleeve, said shell sections each having inturned peripheral flanges engaging over the gear in said socket, and means for detachably securing the sections on the sleeve.

2,473,201
GARMENT HANGER
Robert C. Hefferman, Great Neck, N. Y.
Application May 17, 1947, Serial No. 748,720
7 Claims. (Cl. 223—91)



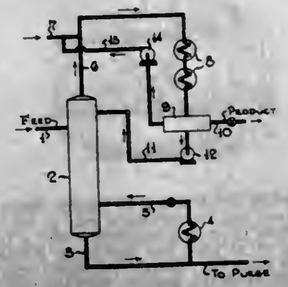
1. A garment hanger made of two pieces of wire, each bent to isosceles triangular shape in side elevation, except that one side falls short of reaching the apex of the triangle so as to leave an opening, the two pieces being fixedly secured together so that the apex portion of one bridges the opening formed by the other, means to secure the pieces together at the apex, the pieces forming a spring clip wherein the triangle bases are urged toward one another to grip a garment inserted therebetween.

2,473,202
TELEGRAPH SYSTEM WITH CODE CONVERSION AND ERROR DETECTION
Harry Vernon Higgitt, London, England, assignor to Cable & Wireless Limited, London, England, a British company
Application September 21, 1948, Serial No. 50,311
In Great Britain September 22, 1947
9 Claims. (Cl. 178—26)



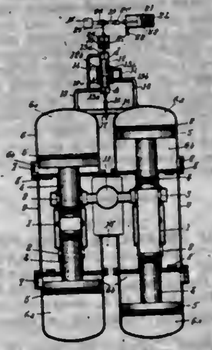
1. A telegraph system arranged to transmit signals in an error-detecting code all the signals of which consist of the same number of marking and the same number of spacing units, comprising transmitting apparatus arranged to convert signals in a primary equal-length code into signals in said equal-length error-detecting code, said second-mentioned signals consisting of a greater number of units than the signals in said primary code, said transmitting apparatus comprising means for passing forward and transmitting one group of units in each of at least the majority of the signals in said primary code, as a group of units in said error-detecting code which is the same in marking and spacing permutation as the group in said primary code and means for modifying a second group of units in each signal in said primary code and converting same into a group in said error-detecting code determined by the permutations of both groups of the respective signal in said primary code.

2,473,203
DIOLEFIN DISTILLATION
Ralph F. Howe, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 26, 1946, Serial No. 650,316
10 Claims. (Cl. 202—57)



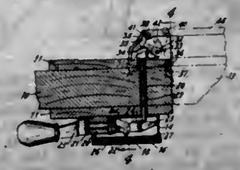
1. In the distillation of a diolefin, the improvements which comprise introducing into distilled vapors of a diolefin as they are expelled from a still a relatively non-volatile polymerization inhibitor as a fine mist.

2,473,204
FREE PISTON ENGINE CONTROL
Robert Huber, Paris, France, assignor to Societe d'Etudes et de Participations, Eau, Gaz, Electricite Energie S. A., Geneva, Switzerland, a society of Switzerland
Application January 28, 1947, Serial No. 724,770
In France February 5, 1946
18 Claims. (Cl. 123—46)



2. In combination, two free piston engines each including at least one motor cylinder and one compressor cylinder interconnected together and at least one motor piston and one compressor piston interconnected together, said pistons being adapted to cooperate with said cylinders respectively so as to form several variable volume chambers, an oscillatable control member, means for subjecting said control member to the combined actions of the instantaneous pressures in two corresponding chambers of said engines, respectively, said means being adapted to cause said member to oscillate with amplitudes below a given value as long as said engines work in synchronism with each other with a 180° phase difference and to oscillate with amplitudes above said given value when said 180° phase difference is no longer maintained, and means operative by said control member oscillating with an amplitude above said given value for varying the frequency of operation of at least one of said engines to restore said 180° phase difference.

2,473,205
FIRE ESCAPE CONTROL MECHANISM
Joseph J. Jazwieck, Columbus, Nebr.
Application November 13, 1947, Serial No. 785,555
3 Claims. (Cl. 292—341.17)



1. In combination with a door vertically hinged in a wall and including a bolt at the free end thereof, a device of the kind described including an enclosure on the outer side of the wall adjoining the free end of the door, a vertically pivoted two-armed locking member in said en-

closure, a vertically pivoted tongue in said enclosure disposed normally at right angle to one arm of the member and being in abutment therewith, the other arm of the member forming a locking bar, the space between the tongue and the locking bar being adapted for reception of the bolt on the door, a case on the inner side of the wall, a hinged cover for said case, the cover framing a removable pane of glass therein, a two-armed lever fulcrumed within the case on a shaft disposed parallel to the rear wall thereof, one of said arms being in abutment with the pane of glass, the other arm bearing against a sliding pin disposed horizontally and extending outwardly of the case through the body of the wall into said enclosure against the tongue therein, a crank handle to operate the two-armed lever in the case, a swing of the lever serving to break the glass and to push the pin against the tongue to swing the same out of engagement with the two-armed locking member.

2,473,206

PROCESS OF SELECTIVELY POLYMERIZING DIOLEFINS IN AN UNSATURATED AND AROMATIC GASOLINE DISTILLATE

Minor C. K. Jones, Mountainside, and Richard C. Brandon, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 18, 1946, Serial No. 670,835
2 Claims. (Cl. 196—78)

1. The process of selectively polymerizing diolefins in an unsaturated and aromatic gasoline distillate from a high-temperature cracking process, to obtain high diene number polymers and stabilized motor fuel, which comprises removing from the distillate an unsaturated hydrocarbon cut boiling below 140° F., passing the remainder of the distillate boiling above 140° F. into contact with catalytically active clay at an average temperature in the range of 250° F. to 350° F., said remainder of the distillate being in liquid phase and being contacted with the clay at a space velocity of 0.2 to 1 volume per volume of clay per hour, and recovering the thus clay-treated distillate freed of unstable diolefins and a polymer of high diene number.

2,473,207

SHOE TREE

Louis Kessler, Brooklyn, N. Y.

Application November 22, 1946, Serial No. 711,623
7 Claims. (Cl. 12—128.4)



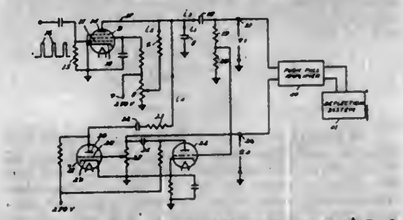
1. A shoe tree comprising a hollow compressible shell serving as a toe piece, said shell being closed on top and front but open at the bottom and in the rear, a flexible longitudinal stem having one end thereof located at the toe end of said shell and curved to rise in the interior of the shell, said stem extending rearwardly of said shell to a position above the shank portion of a shoe when the tree is inserted into the shoe, and a flexible arched cross-spring secured at an intermediate point to the curved portion of said stem at a location within and near the rear of said shell, said shell having opposed inturned flanges, said flanges terminating adjacent said toe end with spaced points of inflection to provide increased compressibility of said shell, the ends of said cross-spring being fastened to the flanges of said shell.

2,473,208

APPARATUS FOR LINEARIZING SAW-TOOTH WAVES

Merwin J. Larsen, Rochester, N. Y., assignor to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York

Application November 14, 1944, Serial No. 563,388
2 Claims. (Cl. 250—36)



1. In a saw-tooth voltage wave generator, a capacitor, a load circuit coupled to said capacitor, means including a source of electrical energy for charging said capacitor, means including a periodically completed discharge path for discharging said capacitor, means for supplying a separate compensating charging current to said capacitor, a phase inverter unit responsive to a voltage developed in said load circuit, and a thermionic unit responsive to at least a portion of the output voltage of said inverter unit for controlling the supplying of said compensating current to said capacitor in such a manner that the sum of the charging currents is substantially constant.

2,473,209

BUCKLE

Cyrus Lombardi, Brooklyn, N. Y.

Application May 22, 1947, Serial No. 749,633
5 Claims. (Cl. 24—73)



1. A buckle construction for joining upper and lower straps and comprising a pair of side bars and a series of spaced tranverse bars, a transverse bar at at least one end being divided to provide a generally central slot which opens in a direction generally parallel with the side bars and which has a substantially permanent non-expansible width, and enclosure means extending outwardly from the portion of said last-mentioned bar at points spaced from said slot and spaced from said side bars and converging to provide an opening which spreads out laterally

from said slot along the parts of said last-mentioned bar which lie at each side of said slot, said opening having a maximum extent of at least twice the width of said slot in a direction parallel to said width and not substantially more than two-thirds nor less than one-third the distance between the side bars at said slot in said direction and having a greater extent in said direction than in a direction perpendicular to said direction.

2,473,210

HARMONICA AND WIND CELL BLOCK THEREFOR

Finn H. Magnus, Essex Fells, N. J., assignor, by mesne assignments, to Magnus Harmonica Corporation, Newark, N. J., a corporation of New Jersey

Application April 30, 1947, Serial No. 745,063
7 Claims. (Cl. 84—377)



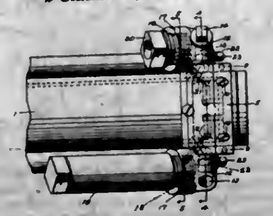
1. A harmonica including a wind cell block having a plurality of wind cells opening through one edge thereof to form a mouthpiece, there being a blow reed wind chamber and a draw reed wind chamber communicating with each wind cell and each opening through one of opposite sides of said wind cell block, a reed plate at each side of said block one having a blow reed for each blow reed wind chamber and the other having a draw reed for each draw reed wind chamber, the end portions of said blow reed wind chambers and said draw reed wind chambers remote from said mouthpiece being of greater and less capacity respectively than the other end portions of said chambers.

2,473,211

RECUPERATOR SYSTEM FOR AIRPLANE CANNONS

Harold N. Metzel, East Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 14, 1945, Serial No. 616,329
2 Claims. (Cl. 89—43)



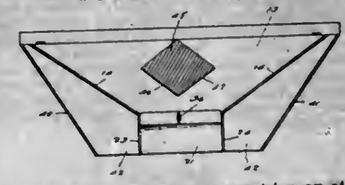
1. In a cannon recuperator having a hydraulic cylinder the improvement comprising, a top and bottom yoke mounted on the forward end of the cylinder, said top yoke having a pair of angularly disposed boss-like members in a plane perpendicular to the axis of the cylinder, each of said bosses being provided with a threaded recess opening rearwardly and inclined upwardly and a passageway therefrom communicating with the interior of the hydraulic cylinder, vent means near the upper end of each of said bosses communicating with said recess, an expansion chamber adapted to be threaded into said recess of one of said bosses, said passageway permitting hydraulic fluid to enter said chamber, and a plug threaded into said recess of said other boss for sealing said passageway, said vent means being provided for bleeding said chamber whereby a limited amount of air may be trapped therein when the cylinder and part of said chamber are filled with hydraulic fluid.

2,473,212

AIRCRAFT SPRAYER

Sidney A. Monson, Bellegiade, Fla., assignor to Monson Manufacturing Co., Inc., Lakeland, Fla., a corporation of Florida

Application May 13, 1947, Serial No. 747,815
2 Claims. (Cl. 244—136)



1. A spraying apparatus, comprising an air inlet chamber, a mixing chamber arranged rearwardly of said air inlet chamber and in communication therewith, said mixing chamber comprising a forward portion, a relatively wide rearward portion, and an intermediate portion, a supply chamber containing insecticide material communicating with the forward portion of said mixing chamber, said inlet chamber having an upwardly extending throat and a downwardly extending baffle to form a venturi, whereby the material in said supply tank is sucked into said mixing chamber, means in the forward portion of said mixing chamber for controlling the turbulence of the air therein, means in said intermediate portion for evenly diverting the material discharging from said mixing chamber in a horizontal direction, means adjacent the rearward portion of said mixing chamber for controlling the discharge of said material in a vertical direction, and a pair of air jets disposed at opposite sides of said rearward portion for laterally impinging said material being discharged from said rearward portion into the atmosphere to effect an even distribution thereof.

2,473,213

KITE PLANE DEVICE

Martin E. Nissen, Hutchinson, Minn.

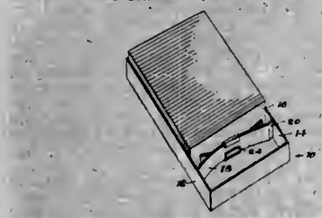
Application March 26, 1946, Serial No. 657,123
1 Claim. (Cl. 244—155)



A kite cord carried toy airplane comprising a hollow, elongated fuselage through which said cord passes, grooved pulleys journaled in said fuselage near the opposite ends thereof supporting

said fuselage on said cord for minimum frictional resistance to movement of said fuselage along said cord, a shaft extending transversely of said fuselage, wing elements supported by said shaft one at each side of said fuselage for pivotal movement between a substantially vertical and a substantially horizontal position, spring means in said fuselage resiliently urging said wing elements to horizontal position, latch means in said fuselage releasably holding said wing elements in substantially vertical position, trigger means operatively connected with said latch means and operated by a stop on said cord to release said wing elements for movement to their substantially horizontal positions by said spring means, a U-shaped carrier pivotally connected at its closed end to the underside of said fuselage, and latch means pivotally mounted on said fuselage and engageable with said carrier to releasably hold said carrier in substantially horizontal position, said carrier latch means being positioned for operative engagement by one of said wing elements in moving from its substantially vertical to its substantially horizontal position to release said carrier for movement by gravity from its substantially horizontal to its substantially vertical position to discharge an object therefrom.

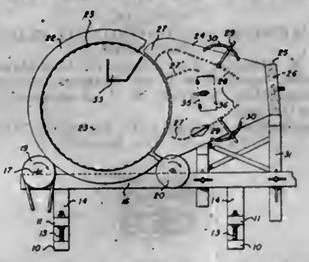
2,473,214
TYPE LOCK FOR MAILING GALLEYS
Ralph B. Orr, Logansport, Ind.
Application October 31, 1947, Serial No. 783,267
4 Claims. (Cl. 276—41)



1. A resilient end lock for supporting type matter within a mailing galley having substantially parallel side walls, comprising a stiff resilient strip of material shaped to provide a major portion of its length bowed in one direction longitudinally of the strip, a minor portion adjacent one end being reversely bowed for a short distance to provide galley-wall contacting end portions of said strip directed in opposite directions when the strip is wedged between side walls of a galley, and a rigid type-contacting member of less length than said strip affixed to the strip only adjacent approximately the center of the strip and lying on the convex side of said major portion, said strip being sufficiently stiff to maintain said lock abutted firmly against type matter in said galley, but sufficiently resilient in a direction lengthwise of said galley to enable a line of type matter to be removed and replaced without disturbing the locking engagement between said strip and said walls.

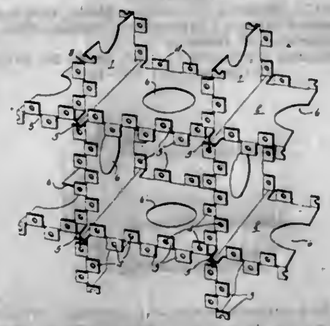
2,473,215
HOP AND LEAF SEPARATOR
Axel E. Oslund, Santa Rosa, Calif.
Application September 27, 1945, Serial No. 618,827
3 Claims. (Cl. 209—45)

1. In a hop cleaning machine, the combination which comprises a cylindrical wire mesh drum with open ends and having ring-like members on the ends, spaced rollers upon which the said ring-like members are positioned, shafts rotatably mounting the rollers whereby the drum being carried by the rollers is rotated upon rotation of the rollers, said rollers mounted to support the drum with the axis thereof inclined, a funnel-like housing having a large and a small end with the large end arcuate in section to receive the said cylindrical drum, an exhaust fan positioned in the outer small end of the housing for drawing



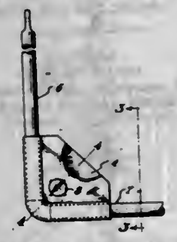
air from the interior of the drum through the wire mesh thereof whereby materials in the drum are held in suspension against the inner surface of the wire mesh thereof, stationary converging baffles positioned in the housing and in the path of the exhauster, adjustable baffles pivotally mounted in the housing and positioned to coact with the said converging baffles, means adjusting the positions of the said adjustable baffles, and converging means in the said wire mesh drum for receiving materials when released from the inner surface of the cylindrical drum.

2,473,216
BUILDING CONSTRUCTION
Alfred H. Parsons, Baldwin, N. Y.
Application November 14, 1945, Serial No. 628,471
6 Claims. (Cl. 189—34)



1. A building frame of the character described, comprising plates, criss-crossed and interlocked in the same plane, so as to constitute a unitary, continuous structure of uniform thickness, flexible flanges extending rectilinearly and outwardly in the form of a cross from opposite edges of the plates at their points of intersection and right angular fins carried by opposite edges of the plates, the said flanges and fins being adapted to support tile, glass or other material.

2,473,217
ROD CLAMP OR THE LIKE
Edward M. Peoples, Huntington, W. Va., assignor to The Peoples Company, Huntington, W. Va., a corporation of West Virginia
Application September 6, 1946, Serial No. 695,231
9 Claims. (Cl. 287—54)



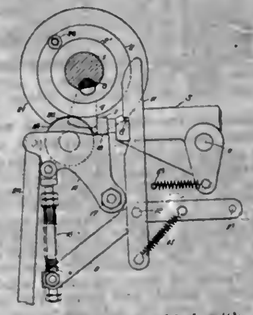
1. A rod clamp or the like comprising two substantially identical halves of sheet metal in the form of an isosceles triangle having its base corners clipped, and having rod receiving channels running along the legs of the triangle, a depressed portion forming a fulcrum adjacent the middle of the base and bolt receiving apertures between the depression and the apex.

2,473,218
TELESCOPING LAMP STANDARD
Howard F. Reichenbach, Waterbury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
Application July 17, 1945, Serial No. 605,493
1 Claim. (Cl. 248—161)



A telescoping lamp-standard including: a lamp-base; a first tubular section connected to said lamp-base and having in the interior of its upper end, an interior downwardly-facing clamping-abutment, and having on its upper end-portion, an upwardly-facing clamping-abutment; a second tubular section telescopable in said first tubular section and having at the exterior of its lower end, an interior upwardly-facing clamping-abutment adapted to engage against said interior downwardly-facing clamping-abutment when said two tubular sections are in fully-extended relation; and a clamping-member rotatable in a general plane transverse of the axis of and relatively to and in camming relation with said second tubular member to force said clamping-member axially of said first tubular section and against said upwardly-facing clamping-abutment and thus force and lock the said two interior clamping-abutments against each other.

2,473,219
GUARD ARRANGEMENT FOR POWER PRESSES
Charles Joseph Rhodes, Wakefield, England
Application March 26, 1947, Serial No. 737,297
In Great Britain June 19, 1946
8 Claims. (Cl. 192—134)



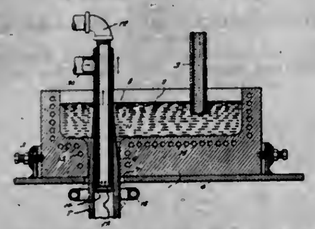
6. In a power press provided with a clutch mechanism, a clutch lever spring-urged to move said mechanism into engagement, a trip member which is engageable with said clutch lever to prevent it from moving the clutch mechanism into engagement, a spring connected to said trip member and urging it, when loaded, to disengage the clutch lever, a control member which is engageable with said trip member to prevent the trip member from disengaging the clutch lever, and a press guard which is connected to said control member for movement therewith, said control member being movable out of engagement with the trip member when the guard is moved into closed position, said control member being connected to said spring to load the spring when it moves with the press guard out of engagement with the trip lever, whereby said trip lever is freed to move in response to the action of said loaded spring thereon, out of engagement with the clutch lever, to release said clutch lever for moving the clutch mechanism into engagement.

2,473,220
METHOD OF MANUFACTURING TARGET ELECTRODES
Albert Rose, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 16, 1941, Serial No. 407,131
11 Claims. (Cl. 49—81)



3. The method of manufacturing a target electrode for a television transmitting tube comprising heating a thin film of vitreous material in contact with a horizontal supporting member to cause said vitreous material to become attached to said member and continuing the heating until said film shrinks by surface tension to become taut over said member.

2,473,221
METHOD AND APPARATUS FOR THE CONTINUOUS CASTING OF METAL TUBES
Irving Rossi, West Orange, N. J.
Application March 6, 1947, Serial No. 732,734
6 Claims. (Cl. 22—57.2)



6. Apparatus for the continuous casting of metal tubes, comprising a mold block, said block having a cavity therein in which a pool of molten metal is maintained and having a mold passage extending through said block from said cavity to the outside, a water cooled mandrel projecting into said mold passage and having a water cooled surface extending from a point above said passage to a point below the point of final solidification, said surface forming the sole means for the withdrawal of heat to cause solidification of the molten metal, and means for maintaining said mold block at a temperature sufficient to prevent appreciable withdrawal of heat from the molten metal, whereby crystal growth proceeds entirely outwardly from said mandrel toward the wall of said mold passage.

2,473,222
CHORD INDICATOR
Louis Ruben and E. Jack Zeik, Bayonne, N. J., assignors to Leonard Greene, New York, N. Y.
Application May 18, 1948, Serial No. 27,753
7 Claims. (Cl. 84—471)



1. A musical chord indicator comprising an inclined front wall member, a substantially horizontal bottom member, the bottom member having spaced transverse slots therein extending inwardly from the outer edge thereof, the side edges of the slots continuing as slits into the inclined member, a first set of aligned longitudinally spaced folds at the joint between the bottom member and the inclined member, and an additional set of aligned longitudinally spaced folds alternating with and spaced inwardly from the folds of said first set.

2,473,223
COMBINED VALVE AND COUPLING
Albert T. Scheiwer, Erie, Pa.
Application March 29, 1947, Serial No. 738,043
6 Claims. (Cl. 284—18)

1. A coupling comprising a female member having a fixed and a movable flanged sleeve therein, check valves sealingly engaging said flanged sleeves in said female member, camming members engaging by said movable sleeve, locking means for said camming members, a male member for disposal in said female member adapted to move said movable sleeve longitudinally in said female member and having a groove for locking engagement by the camming members

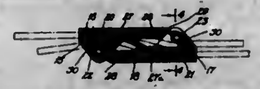


of said female member, and a longitudinally movable manually operated valve in said male member adapted to move said check valves in said female member longitudinally progressively.

2,473,224
PROCESS OF MAKING ALCOHOL
Helmuth G. Schneider, Westfield, and Vincent F. Mistretta, Fanwood, N. J., assignors, by mesne assignments, to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 31, 1945, Serial No. 636,590
10 Claims. (Cl. 260—639)

1. A process for removing saturated hydrocarbons from an acid extract which comprises contacting a hydrocarbon stream containing monoolefins and saturated hydrocarbons with a strong mineral acid absorbent at a temperature of 15° C. to 100° C. and at a pressure of 15 to 500 p. s. i. g. to form an acid extract, maintaining the acid extract at a pressure of 15 to 500 p. s. i. g. while diluting the acid extract with an aqueous diluent to an acid strength of 40 to 75 wt. % on a hydrocarbon free basis, cooling the extract to a temperature below 40° C., thereafter reducing the pressure on the cooled extract to atmospheric pressure to release saturated hydrocarbons therefrom and separating the released saturated hydrocarbons from the acid extract.

2,473,225
REVERSIBLE BUCKLE
Donald A. Seaver, West Cheshire, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application July 1, 1944, Serial No. 543,091
16 Claims. (Cl. 24—74)



1. A buckle comprising a frame, said frame having offset end plates formed by a central angular portion disposing said plates in different planes, said plates having oppositely directed side flanges forming pintle bearings, a clamp member arranged upon each of said plates and terminating at one end in a cylindrical rod, means at terminal

ends of the rod of each member for pivotally mounting said member in the bearings of an opposed plate, said means being arranged eccentrically to said rods to form of said rods clamping elements, and means on the plates adjacent the clamping elements of said members for securing the buckle to supports arranged between the clamping elements and said plates.

2,473,226
WRIST BAND
Lillian Sheldon, Chicago, Ill.
Application August 22, 1946, Serial No. 692,275
7 Claims. (Cl. 224—28)



1. A wrist band or bracelet of the split-ring type, the medial portion thereof being formed with a cuplike depressed portion integral therewith comprising a base and continuous side wall and providing a container section and inclined lateral flange portions integral with and extending downwardly from the upper edge of said cuplike portion to approximately the base thereof and integrally merging with the wrist embracing portions of said band.

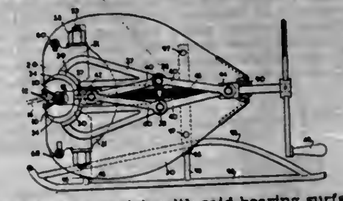
2,473,227
HAIRDRESSING DEVICE
Nathan L. Solomon, Englewood, N. J.
Application April 10, 1947, Serial No. 740,509
6 Claims. (Cl. 132—85)



4. In devices of the class described, an elongated body portion, a handle member extending integrally from one end of the body portion, the body portion having two rows of brush elements arranged longitudinally of and projecting from one side of the brush body with one row of elements in diverging relationship to the other row of elements, a comb unit detachable with respect to said body and arranged intermediate said rows of brush elements, and a brush unit detachably mounted with said body in circumferentially spaced relationship to the coupling of the comb unit therewith.

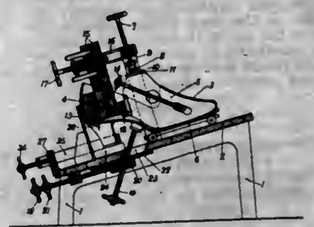
2,473,228
TOOL FOR INSERTING FASTENERS IN MACHINE BELTING
Bernard Tebb, Hull, England, assignor to Mastabar Belt Fastener Company Limited, Cleckheaton, England
Application January 21, 1947, Serial No. 723,386
In Great Britain September 13, 1938
Section 1, Public Law 690, August 8, 1946
Patent expires September 13, 1958
2 Claims. (Cl. 1—49.4)

1. A tool for inserting fasteners in machine belting comprising in combination segmental bearings, means to set said bearings at various predetermined distances apart relatively to one another, jaws mounted to rotate in said bearings, and overhanging shoulders on said jaws having inwardly facing arcuate surfaces cooperating with similarly curved outwardly facing arcuate surfaces on said segmental bearings, said sur-



faces being concentric with said bearing surfaces and serving to maintain said jaws within said bearings whilst allowing their rotation in said bearings.

2,473,229
APPARATUS FOR STRETCHING AND STRAIGHTENING SHOES
Franciscus Fidelis van Beurden, Amsterdam, Netherlands
Application July 11, 1946, Serial No. 682,796
In Great Britain February 5, 1946
6 Claims. (Cl. 12—1)

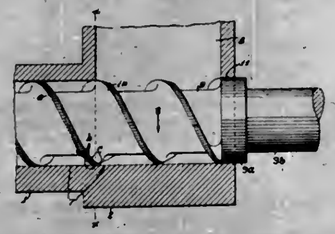


1. Apparatus for enlarging shoes, consisting of a stand with supporting surface for the shoe to be placed thereon in a longitudinal direction, and of an expander by which the loose heel and toe lasts in the shoe are forced apart, and of a bridge piece at right angles to this supporting surface, in which a screw spindle directed downwards is arranged, while a shank screw directed upwards passes through the said supporting surface, so that the downwards directed screw spindle, when the shoe is in position for stretching, presses on the upper side of the toe last fitted therein and the shank screw, passing in oblique direction through a slot in the supporting surface, passes through a small block slidable in a longitudinal direction along the under side of the said supporting surface, which block acts as a fixed nut for the shank screw, and a second screw spindle connected with said sliding block, and by which this block can be moved to and fro in guides

2,473,230
EXTRUSION APPARATUS
Jurian W. Van Riper, Fair Lawn, N. J., assignor to John Royle & Sons, Paterson, N. J., a corporation of New Jersey
Application October 8, 1945, Serial No. 621,088
5 Claims. (Cl. 18—12)

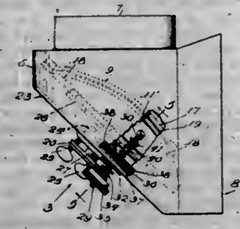
1. In an extrusion apparatus, the combination with fixed structure having a straight cylindrical extrusion bore, of a rotary screw in and coaxial

with the bore and having external helical threading closely fitting the bore throughout substantially the whole length thereof, such threading for a first part of its helical extent providing a cylindrically formed land facing and next adjoining the surface of the bore, and for a second part of its helical extent, which next adjoins said first part of the screw threading, providing a helical edge to and next adjoining said bore surface, the surfaces on the convolutions of the threading on



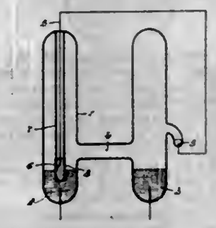
both sides of the helical edge in a direction axially of the screw being sharply relieved from the bore, said fixed structure having a feeding inlet extending to and thereby interrupting the circumferential continuity of substantially all that portion of the bore which contains the second part of the screw threading, and said bore having a substantially uninterrupted circumferential surface for all that portion thereof which contains the first part of the screw threading.

2,473,231
ADJUSTABLE MIRROR OBSERVATION UNIT FOR SMOKE INDICATORS
Robert Hudson Wager, Maplewood, N. J.
Application July 16, 1946, Serial No. 683,819
8 Claims. (Cl. 88—74)



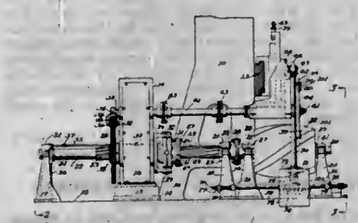
1. In a device of the character set forth, a casing, reflecting means in said casing including a main mirror section mounted for limited angular adjustment and a lateral mirror section hingedly connected directly to one edge of said main section for angular adjustment with respect thereto, an adjusting screw connected to said lateral mirror section, one wall of said casing being formed with an opening through which said screw extends, said opening being of much greater diameter than said screw, a hand wheel threaded on said screw and contacting with the inner side of said one wall of said casing, another wall of said casing having a slot through which a peripheral portion of said hand wheel projects accessibly, a washer on said screw and contacting with the outer side of said one casing wall, said washer having a boss loosely received in said opening, a compression spring on said screw and abutting the outer side of said washer, and a nut threaded adjustably on the outer end of said screw and abutting the outer end of said spring.

2,473,232
DISCHARGE TUBE HAVING A FLUID OR SOLID CATHODE AND A CAPACITATIVE IGNITER
Nicolaas Warmoltz, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 31, 1947, Serial No. 725,701
In the Netherlands February 28, 1946
3 Claims. (Cl. 250—27.5)



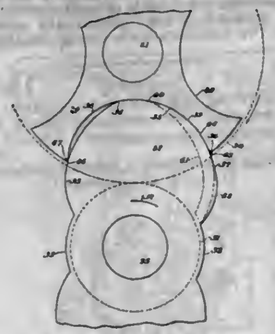
1. A discharge tube having a fluid cathode and a capacitative igniter, consisting of a tube of glass having a closed end and engaging the fluid cathode, the closed end of the tube containing a body of mercury, and the outer surface of the glass tube having secured thereto a thin layer of powdery quartz or hard glass applied thereto by sintering, the thickness of which is preferably from 0.1 to 0.2 mm.

2,473,233
ROTOR GENERATING
Joseph E. Whitfield, Hamilton, Ohio
Application January 12, 1943, Serial No. 472,132
6 Claims. (Cl. 90—8)



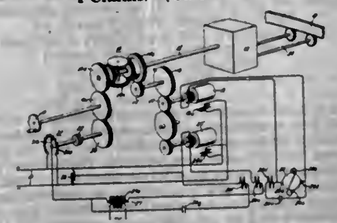
1. In a gear box for use with a machine for generating complementary rotors, the combination of a housing, parallel shafts journaled in the housing, one of said shafts being hollow and arranged to carry a splined nut, a splined shaft mounted in the nut and arranged to rotate a rotor blank, the other of said first mentioned shafts arranged to rotate a tool, means for rotating one of said shafts, and a pair of intermeshed timing gears connecting said shafts for maintaining them in correlated timed relation.

2,473,234
HELICAL ASYMMETRICAL THREAD FORMS FOR FLUID DEVICES
Joseph E. Whitfield, Hamilton, Ohio
Application October 6, 1943, Serial No. 505,135
28 Claims. (Cl. 103—128)



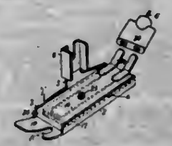
1. In a fluid device of the character described the combination of a housing having fluid inlet and outlet openings, a rotor member and a gate member rotatably disposed in parallelism in said housing and having mating substantially complementary intermeshing helical threads and troughs, the crests of the gate threads being cylindrical and bounded on each side by continuously extending helical edges, the crests of the rotor threads being arcuate and bounded on one side by a continuously extending helical edge, one flank of the rotor thread and the corresponding side of the gate thread being generated by the adjacent continuous crest edges of the gate and rotor respectively, the other flank of the rotor thread being generated from the root to part way up the flank by the adjacent continuous crest edge of the gate, the remainder of the gate thread trough and the connecting portion of the rotor thread flank between the generated surfaces being of different radii from each other and each being substantially circular in a plane normal to the axes of the members to form substantially complementary mating surfaces.

2,473,235
FOLLOW-UP CONTROL SYSTEM
Ernst F. W. Alexanderson, Schenectady, Martin A. Edwards, Scotia, and Gerald A. Hoyt, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application April 15, 1944, Serial No. 531,184
4 Claims. (Cl. 318—2)



1. An aided tracking control system comprising in combination, an input control device, a driven member, an electric motor for driving said member, means responsive to a displacement of said control device from an initial position to a second position for effecting a corresponding displacement of said driven member and for controlling the supply of voltage to said motor to cause said motor to drive said member continuously at a speed having a predetermined relationship to said displacement while said control device remains in said second position, and means responsive to the rate of change of said displacement for temporarily varying the speed of said motor to effect a corresponding additional displacement of said driven member.

2,473,236
MEANS FOR HOT PRESSING MATERIALS ON SEWING MACHINES
Clifford Stanley Barlow, Sydney, New South Wales, Australia
Application March 19, 1946, Serial No. 655,465
In Australia May 5, 1945
2 Claims. (Cl. 219—19)

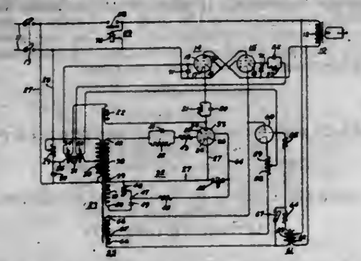


1. A device for the hot pressing of material on a sewing machine provided with a presser bar and sewing needle, said device comprising: a presser foot having a sole plate formed with longitudinal, oppositely-disposed, upturned side flanges, and with one of its ends curved upwardly to a slight extent, said upwardly curved end having a slot formed therein for the passage of said sewing needle therethrough; an extension formed on one of side flanges, said extension being formed, at its upper end, as a U-shaped lug provided with a slot formed therein, said U-shaped lug being adapted to be secured to said presser bar by a clamping screw which is adapted to pass through said slot in said U-shaped lug; an electric heating element disposed between said upturned side flanges of said sole plate of said presser foot, said electric heating element being adapted to heat said presser foot when electrical current is flowing therethrough; and a cover for said electric heating element, said cover being disposed above said electric heating element and between said upturned side flanges of said sole plate.

2,473,237
ELECTRIC TIMER
Maurice E. Bivens, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 7, 1948, Serial No. 6,910
6 Claims. (Cl. 315—246)

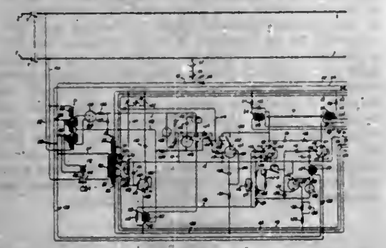
1. An electric timer comprising an alternating current supply circuit, an arc discharge device having a pair of principal electrodes and a pair of control electrodes, means connecting said principal electrodes of said arc discharge device for energization from said supply circuit, means for impressing on one of said control electrodes of said arc discharge device an alternating turn-on voltage, a capacitor connected to said one of said control electrodes of said arc discharge device and in series with said turn-on voltage and the rectifying circuit between said one of said control

electrodes and one of said principal electrodes of said arc discharge device for charging to a voltage equal to the maximum value of said turn-on voltage, a circuit connected across said capacitor and acting continuously to discharge said capacitor, and means for selecting the instantaneous value less than the maximum value of said turn-on voltage which is effective for overcoming the bias voltage of said capacitor and for rendering

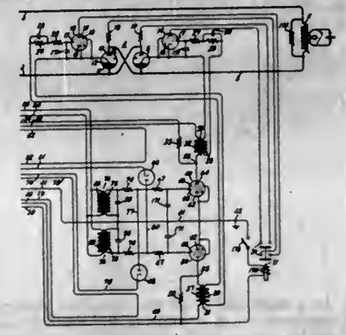


said arc discharge device conductive, said means including means for impressing on the other of said control electrodes of said arc discharge device an alternating voltage which lags the anode-cathode voltage of said arc discharge device by an amount greater than 90 electrical degrees which is sufficient to release said arc discharge device for conduction upon the attainment of said selected instantaneous value of turn-on voltage.

2,473,238
ELECTRIC VALVE CONTROL CIRCUITS
Maurice E. Bivens, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 19, 1947, Serial No. 742,754
20 Claims. (Cl. 315—246)

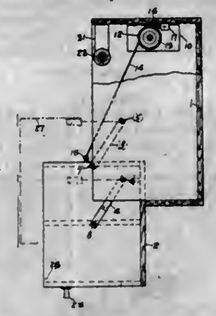


1. Apparatus comprising an alternating current supply circuit, two electric valves each of which has an anode, a cathode, and a control element, a direct connection between the cathodes of said electric valves, means for connecting the anode-cathode circuits of said electric valves for energization from said supply circuit with the anode voltage of one of said electric valves at a voltage of said supply circuit which is of one polarity when the anode voltage of the other of said electric valves is at a voltage of said supply circuit which is of the opposite polarity so that one of said electric valves may conduct during half cycles of voltage of one polarity and the other of said valves may conduct during half cycles of voltage of the opposite polarity, said means providing inductive circuits through the anode-cathode circuits of each of said electric valves, means for introducing into the control element circuit of one of said electric valves a voltage rendering said one of said electric valves conducting, and means for connecting each of said electric valves for operation in trailing response to the other of said electric valves, said means including for each of said electric valves control element circuits which are completed through the anode-cathode circuit of the other



of said electric valves and which apply to the control element of each of said electric valves the trailing voltage drop across the anode and cathode of the other of said electric valves resulting from conduction through said other electric valve continuing over into its negative half cycle of anode voltage which corresponds to the positive half cycle of anode voltage of the electric valve next operating in trailing sequence.

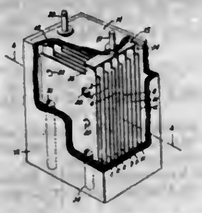
2,473,239
WALL CABINET HAVING A VERTICALLY SWINGABLE SECTION
Cecil Perry Boyd, Gettysburg, Pa.
Application August 16, 1946, Serial No. 691,123
8 Claims. (Cl. 312—153)



5. A kitchen cabinet unit including a fixed section and a movable section capable of being positioned wholly within the fixed section or withdrawn out of and downwardly from the fixed section while being anchored thereto; means for bringing about such positioning comprising, a pair of spaced arms located between the side walls of the two sections and pivoted at their corresponding opposite ends to the sections, a shaft rotatably mounted adjacent the rear top

part of the fixed section, a pulley fastened at each end of the shaft and each pulley having a strong flexible member connected between it and the top part of the movable section, a tension spring fastened between the shaft and the top part of the fixed section and means fastened to a part of the movable section for applying force thereto to bring about the positioning of the movable section.

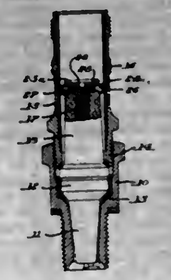
2,473,240
PARALLEL PLATE CAPACITOR
John F. Byrne, Columbus, Ohio, assignor to General Electric Company, a corporation of New York
Application October 1, 1946, Serial No. 700,534
1 Claim. (Cl. 175—41)



In an electric capacitor, a plurality of spaced and identical conducting plates, each of said plates containing a plurality of projections and an equal number of openings, each of said projections comprising a hollow protrusion extending beyond the surface of one face of a plate and defining a depression in the opposite face thereof, said protrusions on alternate plates of a given polarity extending through said openings in adjacent plates of opposite polarity and engaging said depressions in alternate plates, and means for maintaining said plates as an assembled unit comprising the two insulating side walls of a case, each of said side walls being parallel to and the inside surfaces thereof in slidable contact with the outside face of one of the end conducting plates of the assembly and containing grooves for slidably accommodating the protrusions extending through the openings in the adjacent end conducting plate.

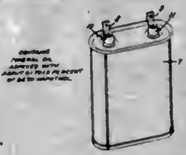
2,473,241
SPARKING PLUG
Charles Molyneux Carington and George William Shoobert, London, England, assignors to K. L. G. Sparking Plugs Limited, London, England, a British company
Application November 29, 1944, Serial No. 565,585
In Great Britain August 17, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 17, 1963
5 Claims. (Cl. 123—169)

2. In a sparking-plug, the combination of a body formed with an internal shoulder, a ceramic insulator having an enlargement between its ends engaging said shoulder, a nut clamping said insulator against said shoulder, a screening tube rigidly secured on said nut surrounding but spaced radially from the end of said insulator, an electrode rigidly secured in said insulator, and projecting from the end thereof, a hollow barrel-shaped member engaging the inner surface of said screening tube, an inturned flange on said member, a washer threaded on the end of said electrode engaging the end of the insulator, a spring washer engaging said first-mentioned washer on one side and engaging said inturned



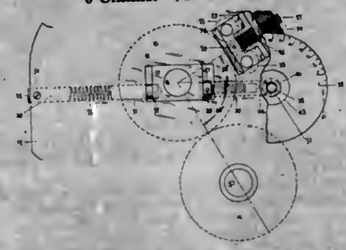
flange on the other side, and a third washer secured on said electrode pressing said inturned flange against said spring washer.

2,473,242
HEAT-RESISTING CAPACITOR
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application April 26, 1945, Serial No. 590,371
4 Claims. (Cl. 175—41)



2. An electric capacitor comprising the combination of an hermetically sealed container, and cooperating capacitor members therein including a dielectric composition consisting of mineral oil containing by weight about 0.5 per cent beta naphthol.

2,473,243
COATING MACHINE FOR FLEXIBLE SHEET MATERIALS
Joseph Ettl, Brooklyn, N. Y., assignor to Rogers Industries, Inc., New York, N. Y., a corporation
Application July 3, 1946, Serial No. 681,376
6 Claims. (Cl. 91—50)



1. In a gluing or coating machine, the combination with a receptacle for adhesive, a supply roller rotatably mounted in said receptacle with the supporting bearings thereof sealed while immersed

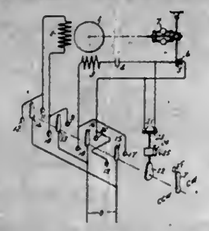
in said adhesive, a coating roller rotatably mounted in bearings above the level of adhesive in said receptacle, said coating roller being parallel to the axis of said supply roller, the lower face of said coating roller being above the upper surface of said adhesive, said coating roller being slidably mounted for movement to and from said supply roller while being out of contact with said adhesive, lockable dial adjustment means for movement of said coating roller, material feed rollers positioned above the horizontal center line of said coating roller and being movable relative to said coating roller, said feed rollers being in set position during operation of said machine, whereby a single adjustment of said coating roller causes movement of said coating roller to or from both said supply roller and said feed rollers simultaneously, the axes of said supply roller and said feeding rollers being positioned on the same side of a vertical plane passing through the axis of said coating roller.

2,473,244

DYNAMOELECTRIC MACHINE

Roger A. Fuller, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application December 28, 1945, Serial No. 637,673
6 Claims. (Cl. 318—207)



1. An induction motor having a rotatable member with a rotor winding, a running field exciting winding and a starting field exciting winding, means including a circuit breaker responsive to the speed of said rotatable member for opening and closing the circuit of said starting field exciting winding dependent on the rotatable member speed, means for energizing said running field exciting winding, means for connecting said starting field exciting winding for energization in opposite directions, a mechanical time delay means mechanically connected to said last named means and operable thereby for rendering ineffective the effects of said speed responsive circuit breaker for a predetermined time on connection of said starting field exciting winding for energization in either direction whereby said rotatable member may be stopped and restarted in either direction.

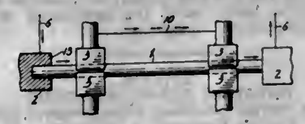
2,473,245

FORGING OR UPSETTING OF METAL RODS OR BARS USING ELECTRIC RESISTANCE HEATING

Merrill Oliver Hanna, Darebin, Victoria, Australia

Application May 2, 1946, Serial No. 666,581
In Australia May 26, 1945
4 Claims. (Cl. 219—3)

1. A method of manufacturing spanners or double-ended articles or tools which consists in heating the opposite end portions of a metal rod or bar to forging temperature by passing a heavy current of low voltage through said end portions, applying endwise pressure to the metal rod or bar to cause the metal at such heated ends to flow or be upset to form substantially bulbous portions which subsequently form the enlarged ends of the spanner or tool, giving the central portion of the rod or bar a preliminary



heating, not sufficient to bring it to a plastic state, during the time the end portions are being heated and upset by causing a portion of the current to leak or pass through said central portion, and finally passing current through the full length of the rod or bar to heat the whole of said rod or bar to forging temperature.

2,473,246

ADJUSTABLE RESISTOR OF THE TUBULAR TYPE

Donald F. Hastings, Fair Lawn, and Robert H. Winkler, Maplewood, N. J., assignors to Hardwick-Hindle, Inc., Newark, N. J.

Application November 7, 1945, Serial No. 627,138
8 Claims. (Cl. 201—56)



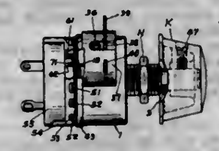
1. A resistor construction including, in combination with a tubular type resistor having a contact track along the length thereof, a band encircling the resistor with means for holding the band in an operative position on the resistor, said band having a pair of spaced outwardly extending lugs, the lugs having perforations therein and a roller mounted between the lugs by parts positioned in said perforations so the roller will engage and roll on said contact track.

2,473,247

ELECTRICAL RHEOSTAT DEVICE

Donald Francis Hastings, Fair Lawn, N. J., assignor to Hardwick, Hindle, Inc., Newark, N. J.

Application February 23, 1946, Serial No. 649,589
9 Claims. (Cl. 201—48)



1. An electrical control structure including, a cup shaped casing with a section portion removed from the wall of the cup, a ring-shaped unit having a resistance winding fitting within the cup and having an insulating block carrying terminals fastened to the unit and connected to opposite ends of the winding and forming part thereof, the block spanning over opposite exterior edges of said sector portion, a cover for holding

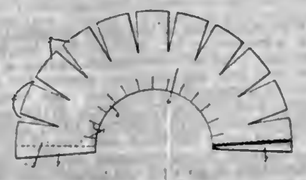
said unit in the casing with means for holding the cover to the casing, a bearing carried by the cup, an operating shaft carried by the bearing, an electrical contact member insulatingly carried by the shaft and having parts co-operative with parts of the resistance unit including a contact track thereon for completing a circuit to said terminals, said resistance unit having an interiorly positioned band-type collector ring with an inwardly projecting flange forming an electrical contact track for parts on said contact member carried by the shaft, a strip of insulating material formed as a band has a resistance winding thereon with a band of insulating material preferably wider than the width of the winding and located between the winding and the collector ring.

2,473,248

COMMUTATOR CONE INSULATOR AND METHOD OF MAKING THE SAME

Emil M. Hausheer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 1, 1944, Serial No. 566,135
6 Claims. (Cl. 171—321)



1. A commutator cone insulator formed of superposed layers of insulating material having an unslotted central frusto-conical portion, and a multi-slotted end flange portion on each end thereof extending generally in the opposite direction to the adjacent part of said central portion and at an angle thereto, said slotted end flange portions having the characteristics of flanges having been formed into continuous flanges of substantially uniform thickness.

2,473,249

ANTISKID CROSS STRIP

Bernard Hershman, Pittsburgh, Pa.

Application May 11, 1946, Serial No. 669,116
3 Claims. (Cl. 152—222)



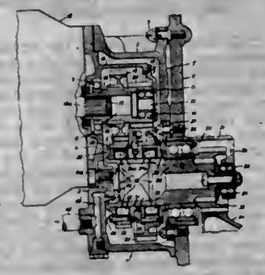
1. A cross-strip for an anti-skid chain for a vehicle tire comprising a flexible metallic band having a plurality of internally threaded bushings extending therethrough and integrally formed with the band, a coating of flexible material on both surfaces of said band and having apertures registering with said bushings which apertures are counterbored adjacent the tire-bearing surface of said flexible material, a plurality of screw threaded studs screw threaded to said bushings and having head portions fitting into the counterbored portions and having end portions of progressively reduced cross-section compared to the shanks of the studs extending above the opposite surface of said flexible material.

2,473,250

DUAL RATIO GEARING

Herbert N. Hoffman, Wakefield, Mass., assignor to General Electric Company, a corporation of New York

Application September 10, 1948, Serial No. 48,648
1 Claim. (Cl. 74—6)



An automatic dual-ratio gearing comprising a first supporting wall having an opening therein, a gear casing having first and second end walls, said first end wall having an opening adapted to receive a first bearing housing, means securing the bearing housing to the casing, bearing means in the bearing housing, a shaft rotatably supported by the bearing means, first and second axially spaced gears having different pitch diameters secured to the shaft, walls defining a second bearing support housing disposed through the opening in the supporting wall and having a flanged portion secured to the wall, second bearing means in said housing, a second shaft rotatably supported by the second bearing means, third and fourth axially spaced gears having different pitch diameters concentric with said second shaft and in mesh with the first and second gears respectively, said second end wall having an opening therein of greater diameter than the larger of said third and fourth gears and concentric with the second shaft whereby the casing may be removed axially, first uni-directional clutch means arranged in cooperative relation between the third gear and the second shaft, second uni-directional clutch means arranged in cooperative relation between the fourth gear and the second shaft and adapted to transmit torque in a direction opposed to the direction of torque transmission of the first clutch means, each of said clutch means being adapted to permit free relative rotation of said shaft and the associated gear in the direction of rotation opposed to the direction of torque transmission of the clutch means, and means for supplying torque to either of said shafts, whereby upon application of torque in a given direction to the first shaft one of the clutch means transmits torque from its associated gear to the second shaft for the transmission of power at a certain speed ratio, whereas upon application of torque to the second shaft the other clutch means transmits torque between its associated gear and the first shaft for the transmission of power at a different speed ratio.

2,473,251
HIGH-FREQUENCY DIELECTRIC HEATING APPARATUS
Eugene T. Hsu, New York, N. Y., assignor to General Electric Company, a corporation of New York
Application May 29, 1945, Serial No. 596,575
2 Claims. (Cl. 219—47)



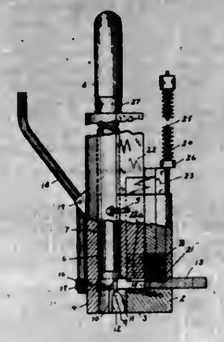
1. A high frequency heater for drying material impregnated with a vaporizable liquid, two elongated electrodes made of electrically conducting material, electric connections for supplying high frequency current to said electrodes, means for passing the material to be dried between said electrodes whereby said material is heated and the liquid driven off in the form of vapor, an outer tube of electrically insulating material surrounding each of said electrodes, and electrically insulating spacing means for securing each of said outer tubes in spaced relation with its said electrode thereby to protect said electrodes from the vapor driven off from the material and prevent corona discharge and arcing from said electrodes.

2,473,252
PUSH-BUTTON SWITCH
Philip Hutt, Milford, Conn., assignor to General Electric Company, a corporation of New York
Application May 9, 1947, Serial No. 746,911
3 Claims. (Cl. 200—168)



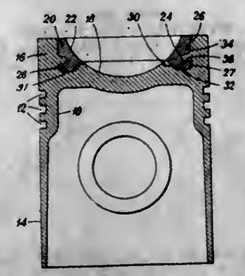
1. An electrical switch comprising a housing having a cylindrical recess in one end thereof and a plurality of substantially rectangular recesses disposed around the side wall of said cylindrical recess and communicating therewith by longitudinal slots, the walls of said housing forming longitudinal ridges between said cylindrical and said rectangular recesses, a plurality of stationary contacts positioned in said recesses, said contacts each having an arcuately shaped end concentrically disposed in said cylindrical recess, each of said contacts further having a portion shaped to fit into and being disposed within one of said rectangular recesses and around the corresponding ridges, whereby said contacts may be assembled on conductor wires and slid into position in said recesses, said rectangular recesses and said ridges forming a guide and support for the insertion and retention in proper position of said stationary contacts, said housing having in its other end an aperture merging with said cylindrical recess, a plunger having one end adapted to project through said aperture with its other end in said cylindrical recess, a frustoconical movable contact mounted on said other end of said plunger for engagement with the arcuate surfaces of said stationary contacts, a plate closing said recesses, and spring means within said housing for pressing said movable contact against said stationary contacts.

2,473,253
STAPLING APPARATUS
Desmond R. La Place, Pittsburgh, Pa., assignor to Bocji Corporation, a corporation of Delaware
Application September 3, 1942, Serial No. 457,165
6 Claims. (Cl. 1—49)



1. In an apparatus of the class described comprising a magazine for holding flat staples in face-to-face relation, the staples having a head portion and two leg portions, means for moving staples horizontally one at a time from the magazine, and means for deflecting the legs of the staple vertically by swinging them about an axis that traverses the head, and means for confining the head in a horizontal position during such operation of moving the staples and bending the legs.

2,473,254
PISTON WITH ANNULAR HEAT DAM IN THE HEAD
Alberto Jorge Morris, Dursley, England, assignor to R. A. Lister & Company Limited, Dursley, England, a British company
Application January 5, 1946, Serial No. 639,234
In Great Britain February 8, 1945
2 Claims. (Cl. 309—9)



1. A piston for an engine of the Diesel type comprising a cylindrical metal body, an imperforate head at one end of and in one piece with the body, said head having a central concavity in the shape of a spherical segment and an annular insert of a high heat conductivity material embedded in the head with its surface exposed so as to border the central concavity, the said insert having an outside diameter less than that of the body and having part of its exposed surface formed as a continuation of the spherical concavity, and said insert having a groove and a rib on its outer periphery interlocking with the material of the head.

2,473,255
PROCESS OF PREPARING MODIFIED PROTEIN
Ivan A. Parfentjev, Nanuet, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 15, 1946, Serial No. 641,403
3 Claims. (Cl. 195—29)

1. A process of preparing protein for alimentation which comprises digesting casein with pepsin at a pH within the range 2 to 8 until a substantial portion of the digested material is water-soluble at pH 4.6, adding ammonium sulfate to an aqueous solution of the water-soluble digested fraction until it contains about 25% to 35% by weight of ammonium sulfate, based on the weight of the digested casein solution, to precipitate a protein fraction, free of antigenicity and specificity separating the precipitated protein from its mother liquor, removing the ammonium sulfate from the precipitated protein by dialysis and redissolving the protein in water.

2,473,256
ELECTRIC CONTROLLER
Charles L. Perry, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 24, 1944, Serial No. 560,159
5 Claims. (Cl. 200—12)



1. In a direct current motor controller having a plurality of motor starting and accelerating contacts and an operating member movable from an off position through a plurality of starting positions to a running position sequentially to actuate said contacts, a circuit breaker for connecting said controller to a source of direct current supply including a movable switch member biased to its open circuit position and a pair of cooperating switch contacts, means actuated by said operating member for moving said switch member to its closed circuit position when said operating member is moved to said off position, magnetic means including a holding coil adapted to be connected across said supply source for holding said switch member in said closed circuit position when said operating member is moved away from said off position, and means responsive to flow of excessive current through said switch contacts for rendering said magnetic means ineffective to hold said switch member, thereby to release said switch member for movement to its open circuit position in accordance with its bias.

2,473,257
DYNAMOELECTRIC MACHINE CONSTRUCTION
Frederick M. Potter, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application August 27, 1946, Serial No. 693,220
3 Claims. (Cl. 171—228)



1. A dynamoelectric machine of the commutator type having a stationary member with a plurality of polar projections, a field exciting winding comprising sets of coils corresponding in number to a predetermined number of poles, each of said sets of coils being formed of a single electrical conductor with all coils of each set connected in series and arranged around certain of said polar projections for providing components of main series excitation by certain of said polar projections and commutating excitation by another of said polar projections, and one coil of each set arranged to excite part of said main series polar projections of the respective set of coils and part of the main series polar projections of an adjacent set of coils for providing a component of compensating excitation.

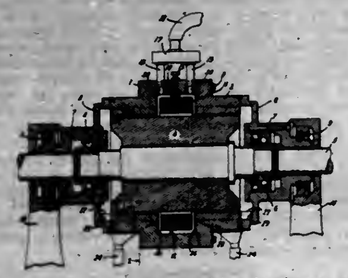
2,473,258
GAS-ARC TORCH
Everett F. Potter, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 20, 1946, Serial No. 717,539
9 Claims. (Cl. 219—15)



1. A gas-arc torch comprising a support, a nozzle body having one end mounted on and forming a gas-tight connection with said support and having therein a seating surface tapering toward its other end, a nozzle tip extending through and beyond said nozzle body and having a discharge opening in its projecting outer end and at its inner end a seating surface nesting within and tapered to form a gas-tight connection with the

tapered seating surface of said nozzle body, means within said nozzle body and engaging said support and the inner end portion of said nozzle tip for holding said nozzle tip and said nozzle body in assembled relationship with said tapered seating surfaces nesting one within the other and said nozzle tip extending through and beyond said nozzle body, an electrode holder within said nozzle body and said nozzle tip and having jaw members which positions an electrode lengthwise of said nozzle tip with its arcing terminal extending through said discharge opening at its outer end, means for mounting said electrode holder on said support and for supplying electricity to said jaw members, and means for supplying gas to said nozzle body.

2,473,259
DYNAMOELECTRIC MACHINE
Phil S. Potts, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application January 9, 1946, Serial No. 639,987
11 Claims. (Cl. 188—104)

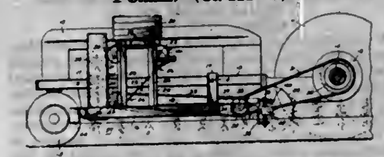


1. A dynamoelectric machine having a relatively stationary member with a core of magnetic material and a relatively rotatable member with a core of magnetic material arranged with an air gap between said cores, means including a field exciting winding for magnetically exciting said cores, longitudinally extending teeth with slots therebetween in the inner peripheral surface of the magnetic material of said stationary member core, means for supplying cooling fluid into said air gap onto said rotatable member for passage to the ends of the machine, means including an end shield on each end of said stationary member for substantially preventing passage of cooling fluid out of the ends of the machine, means including drain passages for draining cooling fluid from the lower part of said machine, and means including a fluid scoop member having curved sides wider at the top than at the base and arranged in spaces between each of said end shields and said stationary member core and substantially at the height of said teeth for guiding cooling fluid from said end shield into said drain passages.

2,473,260
PREPARATION OF TETRAMETHYL SILICATE
Eugene G. Rochow, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 26, 1946, Serial No. 679,562
10 Claims. (Cl. 260—448.8)

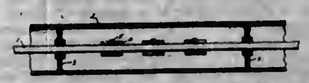
1. The method of preparing tetramethyl silicate which comprises heating a mixture comprising silicon and methyl alcohol in the presence of a compound selected from the class consisting of copper, oxides of copper, hydroxides of copper, copper halides, copper salts of aliphatic acids, copper carbonates, copper hydroxide, copper cyanide, and mixtures thereof.

2,473,261
TRANSPLANTER
Guy P. Ruhl, Frostproof, Fla.
Application June 4, 1945, Serial No. 597,439
1 Claim. (Cl. 111—3)



An automatic transplanter comprising a vehicle having ground engaging wheels, a frame secured to said vehicle and extending longitudinally thereof, a platform carried by said frame for supporting an operator, an endless conveyor having a substantially vertical portion disposed adjacent the forward end of said frame and a substantially horizontal longitudinally disposed portion located at a height convenient to an operator standing on said platform, a plurality of laterally disposed cleats secured to said conveyor and providing spaces therebetween for the reception of plants one in each space, a substantially vertical guide chute substantially enclosing said vertical portion in close proximity to said cleats, said chute terminating below said frame and in spaced relation to the ground whereby plants will be retained in said spaces during downward movement of said conveyor and uniformly disposed on the ground with the axis of said plants disposed laterally on the path of movement of said vehicle, a ground leveling and smoothing member secured to the forward end of said frame in advance of and a predetermined distance below said chute to facilitate the uniform deposition of plants on the ground, a relatively thin planting wheel yieldably secured to said frame adjacent the rear end thereof and having a smooth peripheral surface constructed and arranged to engage and press the stems of said plants a substantial distance into the ground thereby facilitating proper rooting thereof, and means to drive said conveyor.

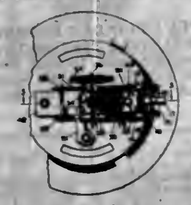
2,473,262
WIDE BAND HIGH-FREQUENCY TRANSMISSION LINE
Marvel W. Scheldorf, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 1, 1945, Serial No. 626,137
4 Claims. (Cl. 178—44)



1. A coaxial transmission line adapted for operation over a wide band of high frequencies comprising a tubular outer conductor and an inner conductor, a plurality of insulators spaced at regulator intervals throughout said line, said insulators providing a plurality of reflection points each causing reflection of the same amount of

energy and also causing an undesired energy loss at said frequencies, the spacing between adjacent insulators being adequate for mechanical support of said inner conductor but substantially greater than that which provides sufficiently reflectionless transmission for operation over said wide band, and a plurality of discrete short sections of said line regularly interspersed with said insulators each providing substantially reduced spacing between said conductors, each of said sections being arranged to provide an additional reflection of the same amount of energy as each insulator but negligible energy loss, the distance between adjacent reflection points throughout said line being short enough to provide sufficiently reflectionless transmission for operation over said wide band.

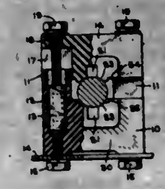
2,473,263
ELECTRIC SWITCH
Robert E. Smith, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 12, 1947, Serial No. 785,234
2 Claims. (Cl. 200—6)



1. An electric switch comprising a pair of spaced parallel plates joined along one pair of edges by a bridging member thereby forming a U-shaped support, a first pair of aligned apertures in said plates adjacent said bridging member whereby said apertures form pivot points adjacent to the mounting surface of the switch and stop surfaces for a U-shaped actuating member, a second pair of aligned apertures in said plates near the opposite edges thereof forming two bearing surfaces, a U-shaped actuating member having one of its arms of the same width as said first apertures and extending through the same for pivotal motion therein adjacent to the mounting surface of the switch and with bearing surface on said bridging member and its other arm extending around one of said plates, a U-shaped actuated member positioned between said plates and having projections extending into said second apertures for pivotal motion therein, one of said projections having contact means secured thereto, and spring means connecting said actuating and actuated members.

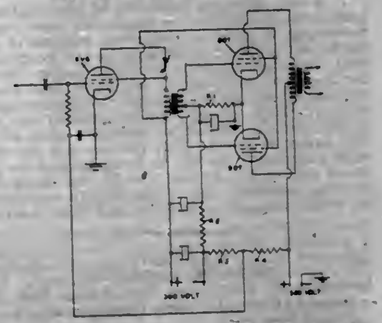
2,473,264
SUPPORT FOR ELECTRIC CONDUCTORS
Arthur Harry Stevens and Geoffrey Arthur Stevens, Wednesbury, England, assignors to The Power Centre Company Limited, Wednesbury, England
Application May 15, 1946, Serial No. 669,760
In Great Britain May 20, 1945
1 Claim. (Cl. 174—157)

A support for electric conductors comprising a block and a cap forming conductor-gripping members, the block having end portions in each of which is a cavity, the cap having end portions of channel form the sides of the channels engaging the outer surfaces of the sides of the end portions of the block, a nut housed in each said cavity, screws extending through the end portions of said block and engaging one end of each nut, and further screws extending through the end portions of said cap and engaging the opposite end of each nut, said block and said cap having conductor engaging surfaces, the conductor engaging surface of said block being formed as a substantially rectangular slot the outer sides of which form two diverging surfaces whose outer



edges terminate in upwardly directed right-angle steps, the conductor-engaging surfaces of the cap being formed as a substantially rectangular slot the outer sides of which form two diverging surfaces whose outer edges terminate in right-angle shoulders adapted to fit within the aforementioned steps whereby conductors of different sizes and cross-section may be positively located between the cap and the block, and may be positively located during assembly of said support.

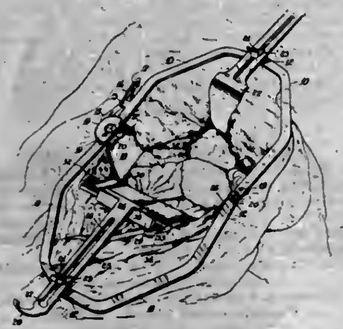
2,473,265
AUDIO-FREQUENCY AMPLIFIER
Eric Watkinson, Hinders Park, South Australia, Australia, Andre Willem Storm, Eindhoven, Netherlands, and Charles Gordon Smith, Sydney, New South Wales, Australia, assignors to Hartford National Bank & Trust Company, Hartford, Conn., as trustee
Application December 4, 1946, Serial No. 714,074
In Australia August 28, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 28, 1965
6 Claims. (Cl. 179—171)



1. An audio-frequency amplifier comprising a driver stage having a first electron discharge tube having an anode, a control grid and a cathode, an output stage coupled to said driver stage and having a second electron discharge tube having an anode, a control grid and a cathode, a first direct potential supply, a second direct potential supply, a resistance network connected across said second potential supply, means to apply the

output potential of said first potential supply across the grid and cathode of said first electron discharge tube in series with a portion of said resistance network, means to apply the output potential of said second potential supply across the anode and cathode of said second electron discharge tube, means to connect said resistance network to the grid of said first electron discharge tube, and means to connect said resistance network to the grid of said second electron discharge tube thereby to apply negative bias voltages to the grids of said first and said second electron discharge tubes at values and in series at which a change in the potential of either of said potential supplies will vary the bias voltage applied to the grid of said first electron discharge tube to vary the anode current thereof and vary the grid bias of said second electron discharge tube to maintain the power output of said amplifier substantially constant.

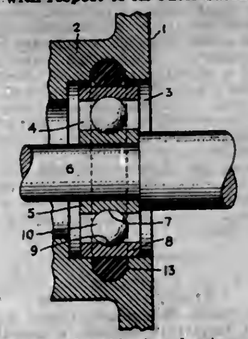
2,473,266
SELF-RETAINING ABDOMINAL RETRACTOR
David J. Wexler, Islip Terrace, N. Y.
Application June 12, 1946, Serial No. 676,143
8 Claims. (Cl. 128—20)



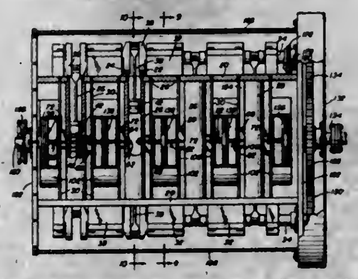
1. A self retaining retractor of the character described, comprising an adjustable open frame consisting of pivotally connected sections of flat stock and a clamp applicable to any portion of said sections to support interchangeable retractor blades at any position and angle, said clamp comprising an upright body portion having laterally projecting spaced lips to embrace top and bottom sides of the frame section, a lever pivotally mounted on said body portion and provided with a clamping portion to move against the exposed side of the section and fix the clamp and section together, and a universally adjustable retractor support carried by said body portion.

2,473,267
BEARING MOUNTING
Lawrance W. Wightman, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application August 21, 1946, Serial No. 45,453
5 Claims. (Cl. 308—236)

1. In combination, a bearing housing having a bearing-receiving recess formed therein and an annular groove formed in the circumferential wall of said recess, a bearing positioned in said recess, and an annular ring of resilient material seated in said groove and engaging the outer surface of said bearing for cushioning said bearing, said resilient ring having its inner surface eccentric with respect to its outer surface whereby the section of said ring having maximum thickness forces said bearing against said wall.



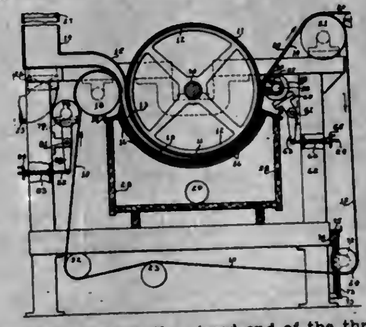
2,473,268
MULTIPLE CYLINDER ENGINE OF THE MULTIPLE PISTON TYPE
David Adams, Detroit, Mich.
Application January 16, 1948, Serial No. 2,687
8 Claims. (Cl. 123—51)



5. A multiple cylinder engine of the multiple piston type which includes a group of spaced parallel cylinders, a crank shaft adjacent each side of the group of cylinders, said crank shafts being rotatable about axes which lie in spaced parallel relation and intersect the longitudinal axes of the cylinders, aligned valves opening into adjacent cylinders and being movable along an axis which lies parallel to the axes about which the crank shafts rotate, a cam shaft rotatable intermediate the ends of the cylinders about an axis which lies parallel to the axes about which the crank shafts rotate, a disk mounted on the cam shaft between each pair of cylinders, said disks intersecting the axes along which the valves operate and a cam on each face of each disk for engaging an adjacent valve and moving it to open position.

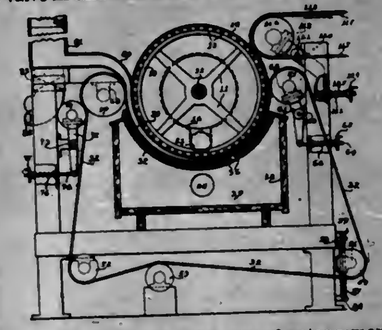
2,473,269
PAPERMAKING MACHINE
Charles S. Adams, Holden, Mass., assignor to Rice Barton Corporation, Worcester, Mass., a corporation of Massachusetts
Application September 2, 1944, Serial No. 552,508
6 Claims. (Cl. 92—43)

1. A paper making machine comprising a moving, endless, pervious, fine mesh screen wire arranged for the formation thereon of a paper web deposited from an aqueous suspension of paper pulp stock, a traveling wall located only above and opposed to the wire in a relatively fixed relationship which is impervious and non-receptive to the paper stock, means for movably supporting the wall, a fixed support which predetermines the configuration of the wire and provides for the passage of water therethrough, side walls adjacent to the edges of the wire, said wire and walls forming a gradually tapering throat of fixed and predetermined shape which converges from a wide stock entrance to a closed end where the paper web on the wire contacts with the traveling wall, controllable driving mechanism for moving both the wire and the traveling wall at the same rate towards the closed end of the throat without disturbing the throat shape, means for removing the water that has passed through the wire, and regulatable means including a conduit that makes a substantially water-tight connection with said entrance for maintaining the throat filled with an aqueous paper stock suspension under a controlled hydraulic head which determines the rates of water removal and paper formation, the throat providing for the progressive concentration of a suspension of pulp fibres and the formation of a paper web on the wire by the forced removal of the water during the period of travel of a portion of the wire and the associated pulp from the entrance to the closed end of the throat.

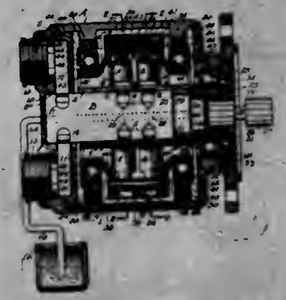


2,473,270
CYLINDER MOLD PAPERMAKING MACHINE
Charles S. Adams, Holden, Mass., assignor to Rice Barton Corporation, Worcester, Mass., a corporation of Massachusetts
Application September 2, 1944, Serial No. 552,509
2 Claims. (Cl. 92—43)

1. A cylinder mold paper making machine comprising a rotatable hollow cylinder mold having a pervious, fine mesh wire screen surface arranged for the formation thereon of a paper web deposited from an aqueous suspension of paper pulp stock, means for removing water from the mold interior, means including an endless, impervious, traveling wall beneath and spaced from the mold periphery which forms therewith an arcuate tapering throat of fixed configuration converging from a wide stock entrance to a closed end where the paper on the wire contacts with the wall, an adjustable support for said wall located beneath the mold which predetermines the shape of said wall and the size of the throat, controllable driving mechanism for moving the cylinder periphery and the wall towards the closed end of the throat at the same rate, regulatable means including a conduit having a substantially water-tight connection with the wide end of the throat for supplying an aqueous pulp suspension and maintaining the throat filled under a predetermined hydraulic pressure in the throat, means including a valve in said conduit for varying said hydraulic pressure and governing the rates of water removal and the formation of a paper web which causes the pulp suspension to move beneath the mold as a substantially quiescent body at about the same rate as that of the cylinder periphery while the water is removed upwardly through the cylinder mold wall, and means for removing the paper web from the mold outside of the throat.



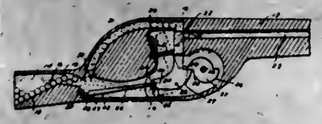
2,473,271
HYDRAULIC PUMP OR MOTOR
Elek K. Benedek, Chicago, Ill.
Application September 30, 1944, Serial No. 556,593
22 Claims. (Cl. 103—161)



1. In a rotary radial piston and cylinder pump or motor, a rotor; reactance means including a rotatable reactance ring and means mounting said reactance ring to rotate about an axis eccentric to the axis of rotation of said rotor; a set of radial cylinder members; a set of cooperating piston members, one of said sets being on and rotatable with said rotor and the other of said sets being operatively connected to said reactance ring for being reciprocated relatively to the respectively associated members of said other set during concurrent rotation of said ring and said rotor; and connections between the individual reciprocable members and said reactance ring comprising roller means for transmitting radial thrust between the reactance ring and the re-

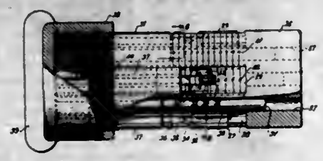
ciprocable member and a pin and slot connection for rotating said reactance ring in response to rotation of said rotor and said cylinder and piston members, the slot of said pin and slot connections having closed ends engageable by the pin of said pin and slot connection and extending arcuately and concentrically with respect to said reactance ring.

2,473,272
TOY MACHINE GUN
William O. Blake, Newport, Wash.
Application November 18, 1944, Serial No. 564,080
2 Claims. (Cl. 124—27)



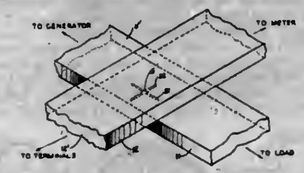
1. In a toy gun, a projectile feeding and projecting assembly including a magazine, a spring biased pivoted lever having a hammer end, a projectile-receiving recess at the breech end of the bore of a gun barrel, a chute communicating with said magazine and proportioned to receive a single row of projectiles, a second lever actuated by said spring biased lever for singly transferring said projectiles from said magazine into one end of said chute, the other end of said chute communicating with said recess to singly deliver projectiles when said hammer end is retracted from said recess, and means for intermittently retracting said spring biased lever.

2,473,273
ADJUSTABLE KEY FOR USE WITH LOCKS IN WHICH THE TUMBLERS ARE MOVABLE PARALLEL TO THE AXIS OF THE PLUG
Carlos Jaramillo Borda, San Jose, Costa Rica
Application April 2, 1948, Serial No. 18,668
5 Claims. (Cl. 70—411)



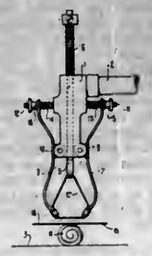
1. An adjustable key for use in locks of the type in which a plurality of tumblers extend parallel to the axis of the plug, said key comprising a body member defining a plurality of parallel passages extending inwardly from one end thereof, said passages being arranged for axial alignment with corresponding tumblers of the plug of the lock with which the key is to be used, channels in the side walls of said body member extending inwardly to said passages, blocks slidable in said channels and having pins which extend into said passages for engagement at their forward ends with tumblers of the lock, and laterally expandable clamps carried by said blocks for clamping engagement with the walls of said channels to prevent movement of said blocks and pins relative to said body member.

2,473,274
ULTRA HIGH FREQUENCY COUPLING
William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 15, 1944, Serial No. 549,617
9 Claims. (Cl. 178—44)



1. In an ultra high frequency system, a first wave guide, a second wave guide having its axis at right angles to said first wave guide, and a pair of coupling slots, perpendicular to and bisecting each other in each of said wave guides, the slots in one guide being juxtaposed on the slots of the other.

2,473,275
MACHINE FOR APPLYING BANDS TO CIGARS
Hubert Emile Brouns, Eindhoven, Netherlands, assignor to N. V. Vereenigde Tabaksindustrieen Mignot & De Block, Eindhoven, Netherlands, a company of the Netherlands
Application January 7, 1948, Serial No. 1,043
In the Netherlands January 31, 1947
2 Claims. (Cl. 216—39)

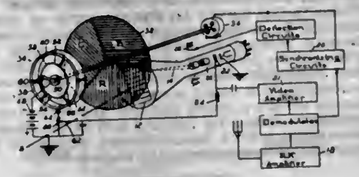


1. An apparatus for applying at least one band to a cigar and holding said band while, one end thereof is folded upon the other, characterized by a holder, three spring loaded stretcher members movably attached to said holder, and an endless flexible folding band passing round the free ends of said stretcher members, in such a manner, that said band is kept stretched in the form of a triangle, the base of which, during movement of the holder towards the cigar, can be tightly folded around said cigar.

2,473,276
COLOR TELEVISION SYSTEM
Thornton W. Chew, Washington, D. C.
Application May 23, 1946, Serial No. 671,689
7 Claims. (Cl. 178—5.4)

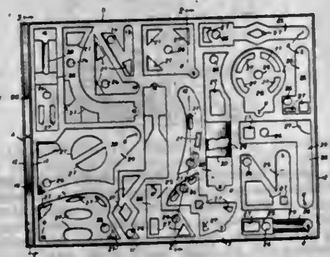
1. In a color television receiving system provided with a cathode ray tube having an image modulated electron beam, and an image screen, means cooperating with said screen for sequentially selecting partial images of different primary color components, and means for varying

the intensity of color of said partial images comprising a direct current potential source, means for deriving a potential from said source for each color component, and means controlled synchro-



nously by said image selecting means for sequentially directly varying the average beam energy with said derived potentials to secure a variation in the intensity of color of said partial images.

2,473,277
MINIATURE-GOLF GAME BOARD
John Cipyak, Lansford, Pa., assignor of seventeen and one-half per cent to Margaret Cipyak, seventeen and one-half per cent to Tekla Cipyak, seventeen and one-half per cent to Francis E. Sterner, and seventeen and one-half per cent to Anna V. Sterner, all of Lansford, Pa.
Application January 10, 1947, Serial No. 721,247
3 Claims. (Cl. 273—116)



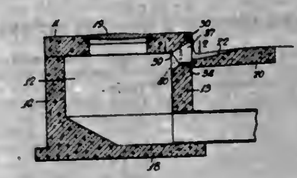
1. A miniature-golf game board comprising a rectangular tray, a plurality of only two spaced horizontal decks rigidly supported one above the other within said tray between the top and bottom of the latter, said decks extending the full width of the tray and from one end of the latter to a point adjacent but spaced from the other end thereof, a vertical wall dividing the spaces above and below said decks from the space at said other end of the tray, and strips dividing the latter space into two separate collection chambers for spherical game pieces, said vertical wall having superposed exit openings therein near one end for passage of game pieces from the spaces beneath the respective decks to the respective collection chambers, the upper deck having a plurality of depressed areas simulating the sections of a golf course and being provided with a cup simulating opening and a trap simulating opening in each depressed area, and means to conduct game pieces from certain of said openings through the lower deck.

2,473,278
HYGROSCOPIC DISK
Ben Cones, Indianapolis, Ind.
Original application February 2, 1944, Serial No. 520,611. Divided and this application June 15, 1945, Serial No. 599,595
1 Claim. (Cl. 297—1)



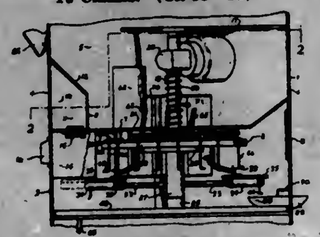
A structure of the character described comprising a ring substantially non-responsive to humidity and having an annular cut-away portion at one side to define a shoulder and provided at its opposite side with an annular lip having a beveled inner surface, a pair of concavo convex shaped expansion discs disposed within the ring and having their concaved sides opposed, a compression spring interposed between the central portions of the discs and impinging thereagainst, a second ring of less diameter than the first adapted to be set within the first ring and on said shoulder, said second ring having an inwardly disposed annular lip at its outer side formed with a beveled inner surface, said discs at their peripheral portions being adapted to abut said beveled faces of said lips by the force of the spring.

2,473,279
CURB INLET CASTING
De Witt Saxton Crocker, New York, N. Y.
Application June 14, 1945, Serial No. 599,415
4 Claims. (Cl. 182—6)



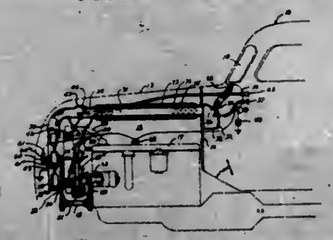
1. An inlet casting comprising, a base, end walls extending upwardly from the ends and transversely of the length of the base to form the end walls of the casting, the outer faces of said end walls forming the end faces of the casting, spaced apart partition walls extending upwardly from the base transversely of its length to define a plurality of passageways intermediate the end walls to drain water from the road gutter into a basin beneath the sidewalk, a flange extending upwardly from and connecting the upper ends of said partition walls and end walls, the height of the flange being substantially greater than the thickness of the base, the front faces of the partition and end walls and the base being in a common plane and defining the front face of the casting, vertical lugs extending laterally outwardly from the end faces of the casting, the lugs being located to the rear of and below said flange and above the base whereby the concrete can be poured for the basin and the sidewalk by first pouring the basin to a level which is intermediate the top and bottom of the lugs and thereafter pouring the sidewalk slabs to that level.

2,473,280
AUTOMATIC PHOTOGRAPHING AND DEVELOPING APPARATUS
Rodger William Dart, Essendale, British Columbia, and Sydney Jenkins, Vancouver, British Columbia, Canada, assignors to International Mutoscope Corporation, Long Island City, N. Y., a corporation
Application April 4, 1946, Serial No. 659,520
16 Claims. (Cl. 95—14)



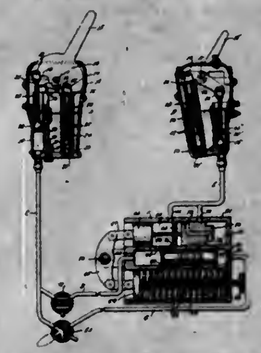
1. In a photographic machine of the class described, a table with an arm adapted to be rotated about a vertical axis for the exposure and development of a sensitized photographic plate, a tray tiltably carried by said arm and adapted to receive a sensitized plate, a stationary disk in face-to-face engagement with the table, said disk having a plurality of liquid ports arranged concentrically of the rotary axis of said table, each port communicating with a source of liquid, said table having a conduit in liquid-delivery relation with the tray moving into registry with successive ports of the disk as the table rotates for the delivery of the respective liquids into said tray.

2,473,281
VENTILATING AND HEATING APPARATUS FOR VEHICLES
Howard J. Findley, Chardon, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 15, 1945, Serial No. 582,977
6 Claims. (Cl. 237—2)



1. In conditioning apparatus for a vehicle having a passenger compartment and a driving engine, the latter being provided with an auxiliary power take-off and a cooling radiator having numerous openings for a flow of air therethrough in heat-exchange relation thereto, a hollow structure connected with said radiator so as to define a passage for the air which passes through the radiator, said structure including a substantially segment-shaped housing portion in front of the radiator and an outlet housing portion at the rear of the radiator, a conduit extending from said structure to said compartment and opening into the latter, said conduit having cold and warm air inlet connections with said segment-shaped housing portion and said outlet housing portion respectively, air impelling means connected with said power take-off and operable to cause air to flow through said radiator and through said conduit, said impelling means including a fan having an annular series of blades adapted to sweep through said segment-shaped housing portion, an outlet for discharging air delivered by said impelling means in excess of that needed for said compartment, valve means controlling said outlet, a spring biasing said valve means toward a closed position, and temperature responsive means for opening said valve means in accordance with a predetermined change in the operating temperature of the engine.

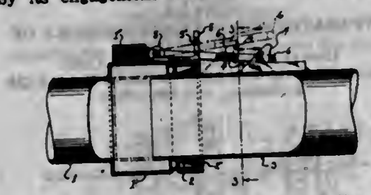
2,473,282
LIQUID CONTROL GEAR
Carl G. Hebel, Weehawken, N. J., and Robert H. Wallace, Central Nyack, N. Y., assignors to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application March 7, 1944, Serial No. 525,344
9 Claims. (Cl. 60—54.5)



1. In a hydraulic remote control system, in combination, a transmitting station, a receiving station, a main force transferring connection between said stations, an auxiliary force transferring connection between said stations normally disconnected at both ends from said stations, means responsive to breaking of said main connection, and means actuated by said responsive means for connecting said auxiliary connection to said stations.

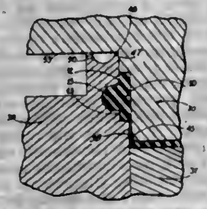
2,473,283
COUPLING PIPE
Harvey O. Guenthner, Antigo, Wis.
Application March 24, 1947, Serial No. 736,815
1 Claim. (Cl. 285—172)

A coupling comprising male and female pipe sections adapted to be in telescopic union, the female pipe section having an enlarged head provided with a down turned flange engaging the male pipe section, a link pivoted to the pipe head, the same terminating with a transversely disposed releasing cam web carried by the link rearwardly of its locking stretch and adjacent the pipe head flange, a tapered nose tooth carried by the male pipe section and projecting through the link between its cam web and locking stretch, when the pipe sections are coupled together, the pipe sections being uncoupled by a further inward movement of the male pipe section, whereby the inclined pipe face of the tooth engages the cam web to lift the link from its locking engagement with the tooth, the inner locking movement of said tooth being limited by its engagement with the head flange and



thereafter the coupling connection of the pipe sections is freed by a partial relevant rotation of one of said pipe sections, whereby the tooth nose rides transversely upon the link cam web to clear it from said link prior to withdrawing the pipe members from each other.

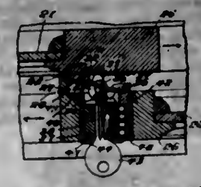
2,473,284
APPARATUS FOR MOLDING SEALING RINGS
Harold J. Knagge, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application July 24, 1945, Serial No. 607,221
1 Claim. (Cl. 18—42)



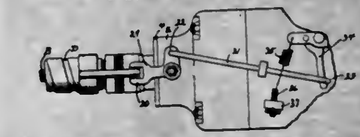
In apparatus of the class described, telescoping male and female die members, said die members having an annular region of very small clearance therebetween when telescoped together and another annular region of greater clearance axially spaced therefrom, an annular die cavity disposed between said clearance regions and formed partially in each of said die members to provide a mold for a ring-like sealing member with a sealing surface, that portion of said cavity that forms the boundary of the sealing surface comprising a groove lying entirely in one of said die members and having a smooth wall unbroken by joints in the die, a charge space in one of said die members to receive a charge of material to be formed in said cavity, said charge space being in communication with said die cavity via said annular region of greater clearance, said die members acting when telescoped to force the material into the die cavity through said region of greater clearance and simultaneously force gas out of said die cavity through said region of very small clearance.

2,473,285
SLIDING DOOR LOCK
William H. Keeser, Two Rivers, Wis.
Application May 27, 1947, Serial No. 750,767
3 Claims. (Cl. 70—96)

1. In a closure fastener for two overlapped sliding doors, the combination with a strike plate mounted on one door and provided with a socket and a resilient offset flange, of a lock housing mounted on the other door and having a partially rotatable bolt in said housing, means for operating the bolt, a hooked catch carried by said housing and a cam on a protruding end of the bolt engaging said catch to disengage said catch from said socket.



2,473,286
FLEXIBLE SHAFT MACHINE
Arthur W. Mall, Flossmoor, Ill., assignor to Mall Tool Company, Chicago, Ill., a corporation of Illinois
Application April 1, 1946, Serial No. 658,828
4 Claims. (Cl. 318—9)



1. A machine comprising a driving unit comprising a stationary housing portion and a rotatable shaft therein, a flexible shaft unit connected to the driving unit and comprising a flexible casing and a flexible shaft, the flexible shaft being operatively connected to the rotatable shaft of the driving unit, means connecting the flexible casing to the driving unit housing including means fixed with respect to the housing and means rotatable with respect to the housing, the last named means being connected to the flexible casing so that the casing has relative rotary movement with respect to the housing, means for regulating the operation of the driving unit, and means associated with the flexible casing for manipulating the regulating means in response to the movement of the casing.

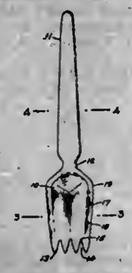
2,473,287
MULTIPLE SWITCH
Francis J. Maloney, Warren, Ohio
Application June 12, 1946, Serial No. 676,162
5 Claims. (Cl. 200—16)



5. In a controller for electric circuits, a shaft, a pair of discs secured to said shaft, an annular carrier journalled on said shaft intermediate said discs, a plurality of circumferentially spaced,

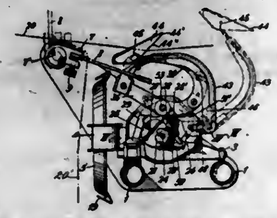
radial notches upon the periphery of said carrier, a plurality of cam inserts selectively engageable with said notches, said inserts defining cam surfaces of predetermined contour extending radially outward from the circumference of said carrier, a pair of rings journalled upon said discs, said rings being secured to opposite sides of said carrier, the radially protruding portions of said inserts defining operating cam surfaces and the periphery of said rings defining cam base circles, said rings being of electrically conductive material and said inserts being of electrically non-conductive material.

2,473,288
COMBINATION TABLE UTENSIL
Albert George McNeill, Philadelphia, Pa., assignor to Bachmann Bros., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application January 12, 1946, Serial No. 640,774
4 Claims. (Cl. 30—147)



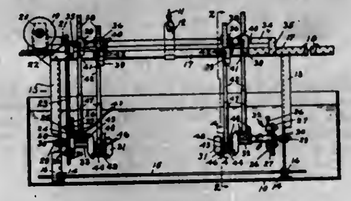
1. A table utensil comprising a handle and a bowl, characterized in that the bowl is V shaped in cross section providing a flat spreading surface at one side.

2,473,289
PASSING OF WARP THREADS THROUGH REEDS
Heinrich Meier, Uster, Switzerland, assignor to Zellweger A. G., Apparate- und Maschinenfabriken Uster, Uster, Switzerland
Application April 13, 1945, Serial No. 588,152
In Switzerland April 21, 1944
5 Claims. (Cl. 28—45)



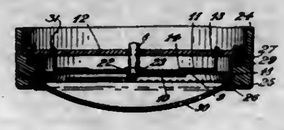
1. In a device for passing warp thread material through a reed having a gap therein, a lower movable reeding member and an upper reeding member, a hook on said lower reeding member for inserting therein the warp thread material to be passed through the gap in said reed by mutual cooperation of said reeding members, a feeler for releasing, by virtue of said operation of inserting said thread material in said hook, said pair of reeding members for passing the said material through said gap, and a prime mover for imparting driving movement to said pair of reeding members.

2,473,290
APPARATUS FOR PLATING JOURNALS OF CRANKSHAFTS
George E. Millard, Berkeley, Calif.
Application October 21, 1944, Serial No. 559,736
3 Claims. (Cl. 204—224)



1. Apparatus or electro-plating the main and connecting rod bearing journals of a crankshaft which comprises a tank containing an electro-plating bath in which the crankshaft is submerged; means connecting the crankshaft with a cathode; means for rotating the crankshaft in the electro-plating bath; and an anode means slidingly mounted on and urged toward the journal surface of the crankshaft being plated, said anode means comprising an arcuate shaped anode, having its center portion in one circular path and its side portions bent radially inwardly therefrom at their ends, pivotally interconnected and angularly disposed link means connected at one end to a fixed support and at the other end to the anode and connecting the anode with a source of anode current, non-conductor means slidingly contacting and rubbing the journal surface being plated and supporting the anode in spaced relation thereon, and shielding means at the ends of the anode, extending inwardly toward the journal being plated, and limiting the path of current flow there past.

2,473,291
DIAL MOUNTING
Eric Beecroft Moss, London, England, assignor to S. Smith & Sons (England), Limited, London, England, a company of Great Britain
Application January 2, 1945, Serial No. 571,093
In Great Britain October 12, 1943
3 Claims. (Cl. 58—127)



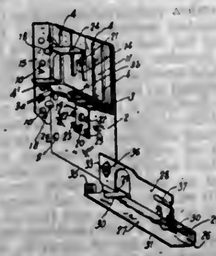
1. A clock dial comprising a metal plate carrying the hour figures and having at least one tubular rearwardly directed upset portion formed integrally therewith, a resilient metal strip having a portion thereon arranged to contact with the metal dial plate and provided with an aperture for accommodating each tubular upset portion, which latter is turned over on the strip, and the other part of which strip is arranged to be spaced away from the metal dial plate and has its ends bent rearwardly for attachment to a part of the clock.

2,473,292
SPECTACLE CASE
Emanuel Nathan, Maplewood, N. J.
Application February 26, 1948, Serial No. 11,179
4 Claims. (Cl. 206—5)



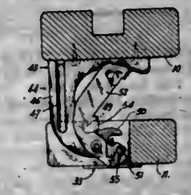
2. A spectacle case comprising a blank of flexible material cut to define front wall and rear wall portions secured together along one longitudinal edge to define a bottom portion, elongated tabs secured to the ends of the front wall portion and adapted to be folded with their ends in overlapping relation on the rear wall portion, to thereby close the ends of the ends of the front and rear wall portions, a spectacle positioning block medially disposed in said case between the front and rear wall portions, and means passing through the front wall, block, rear wall and ends of said tabs, to secure said parts together in assembled relation.

2,473,293
VENETIAN BLIND BRACKET
Harry Nelson, New York, N. Y., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York
Application October 23, 1945, Serial No. 623,970
12 Claims. (Cl. 248—264)



2. A Venetian blind bracket having a body member formed of a single sheet metal plate having a portion provided with longitudinal stiffening ribs and a longitudinal slider opening, said portion being folded over upon the remainder of the plate and stressed at the bend so that the folded portion contacts the plate with resilient pressure, the terminal part of said folded portion extending away from the plate to form a stiffened horizontal supporting shelf at substantially a right angle to said plate, and a locking element between said folded portion and said plate slidable in said slider opening to lock a Venetian blind head-bar upon said shelf.

2,473,294
VENETIAN BLIND STRUCTURE
Harry Nelson, New York, N. Y., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York
Application December 20, 1946, Serial No. 717,245
2 Claims. (Cl. 160—177)



1. For a Venetian blind having a head bar and a tilt bar, a fitting for supporting the tilt bar between its ends, said fitting comprising: a plate to be secured against the undersurface of the head bar, a substantially flat arm rigid with the plate, the arm extending downwardly and forwardly in a vertical plane and terminating in a forwardly-opening bifurcated end spaced vertically from the plate a distance substantially equal to the spacing between the head bar and the axis of rotation of the tilt bar, said arm having an open transverse bearing in the bifurcation adapted to receive a pintle mounted on the axis of rotation of the tilt bar, and a locking lever pivotally mounted on a side of the arm for oscillation in a plane parallel thereto, said lever having a portion adapted to be moved into position projecting across the bifurcation in the end of the arm sufficiently to prevent movement of a pintle from the bearing, an operating portion extending on the opposite side of the pivot and shaped to conform in general outline with the arm, and a projection formed adjacent an edge thereof, overlying the edge of the arm, and adapted to engage the arm to limit the oscillatory movements of the lever.

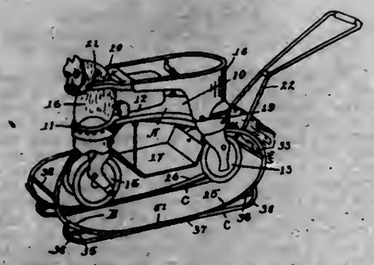
2,473,295
MINIATURE ANIMAL TOY CAR
Jack N. O'Connor and Stella M. O'Connor, Los Angeles, Calif.
Application July 16, 1945, Serial No. 605,296
2 Claims. (Cl. 280—1.13)



2. A child's vehicle, comprising a platform having a broad rear seat portion, a forward horizontal bearing plate and a connecting neck between said seat and bearing plate, a carrier swiveled upon said bearing plate and having a steering head plate above said bearing plate, rear carrier wheels journaled below and supporting the seat rear portion of the platform, a rear leg pivotally supported below the seat rear portion of the platform outwardly beyond each of said rear wheels, a pin and slot connection be-

tween the inner face of the free end portion of each rear leg and its companion wheel by which reciprocable motion is imparted to the rear leg by the revolution of its connected wheel, and a shield depending from the outer edge of said platform in front of the pivot connections between said rear legs and platform.

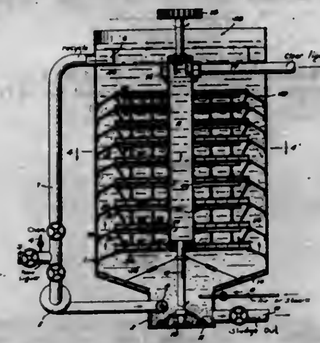
2,473,296
MINIATURE ANIMAL TOY CAR
Jack N. O'Connor and Stella M. O'Connor, Los Angeles, Calif.
Application November 13, 1945, Serial No. 628,126
2 Claims. (Cl. 280—6)



3. In a child's vehicle having a body, a self contained rocker element having a pair of unitary rocker treads, said treads being formed with upward reversely curved and transversely converging supporting loops at their opposite end portions, attaching means separably coupling the upper portions of said loops to the lower side of said body, stops on the lower side of the opposite ends of each tread for limiting rocking motion, and a sled runner detachably secured on the lower side of each of said treads, said runner having a tubular body formed with upward inturned end portions, said body portion being grooved longitudinally on its upper side and adapted to admit and laterally engage the lower body portion of a companion tread, and said inturned end portions having means for clasping said stops to assist in holding the runner longitudinally on the tread.

2,473,297
APPARATUS FOR CLARIFYING LIQUORS
Henry C. Parker, Washington, D. C.
Application April 3, 1945, Serial No. 586,356
14 Claims. (Cl. 210—55)

1. A clear liquor draw-off for clarifiers comprising a tank adapted to hold a liquor to be clarified and equipped with at least one substantially horizontal tray mounted in the body of the tank and partially defining a clarifying zone, with means for introducing a liquor to be clarified at a point outside the confines of said clarifying zone and with means for withdrawing sludge solids therefrom; said draw-off comprising at least one skimming pipe mounted directly beneath said tray and bearing against the underside of said tray, means for moving said pipe beneath said tray, means for holding said pipe against the underside of said tray during its movement, said pipe being provided with an upper longitudinal slot directly adjacent the underside of the tray and facing in the direction of the motion of said pipe so that it comes in contact with and tends to collect a thin quiescent film of clear liquor adjacent the underside of the tray as it is moved along thereunder, and means



for discharging the so-collected liquor from said pipe.

2,473,298
WINDOW CONSTRUCTION
Edmund Perenal, Bayside, and Henry Weimann, Yonkers, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Application February 14, 1946, Serial No. 647,560
4 Claims. (Cl. 292—76)

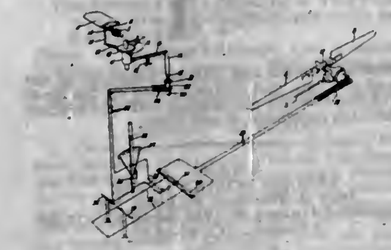


4. In a window construction of the type having a frame member including vertical jambs having channels for receiving a slidable sash member, a sash member having horizontal upper and lower rails and vertical side rails which latter are slidably mounted in said channels; the improvement which includes a plate member mounted on the upper side of the upper horizontal rail, a screw attaching said plate member to said rail, an arm carried by said plate member and having slidable contact with a face of the adjacent jamb member, and an adjusting screw operatively associated with said plate for adjusting said arm toward and in contact with said face of said jamb, said screw including a tool-receiving head located outside of the adjacent channel in which said sash member is mounted so as to be freely accessible for engagement by a tool when said sash is mounted in said frame.

2,473,299
ROTATIVE WINGED AIRCRAFT CONTROL
Harold F. Pitcairn, Bryn Athyn, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application May 15, 1944, Serial No. 535,632
1 Claim. (Cl. 170—135.24)

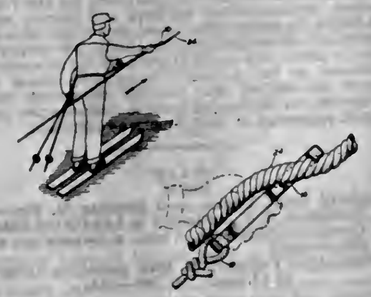
A rotary wing aircraft comprising a sustaining rotor, an airscrew disposed for counteracting the rotor torque, a first mechanism for

varying the pitch of said sustaining rotor, a second mechanism for varying the pitch of said airscrew, manual control means connected to both said mechanisms for concurrently varying the pitch of said rotor and airscrew, a pair of pilot-operated members, and means operatively connecting said members to said second mechanism and constraining said



members to move in opposite directions, said connecting means including means for independently transmitting control motions to said second mechanism from said manual operating means and said members, respectively, whereby the setting of said members may be maintained in fixed condition during operation of said manual control means.

2,473,300
SKI TOW DEVICE
Enzo Puricelli, Springfield, Mass.
Application October 17, 1946, Serial No. 703,854
3 Claims. (Cl. 104—202)



1. For use with a moving ski tow rope, a relatively thin hold-on device having opposite substantially flat faces which are substantially parallel throughout and having an open-sided parallel-ended notch extending between the said faces near the front for receiving the rope, the said device having means near the rear for the attachment of a tow cord and having a gripping portion at the rear of the notch with its center line in longitudinal alignment with the said notch which gripping portion is adapted to be positioned adjacent the rope when the rope extends through the notch so that when the said gripping portion and the said rope are gripped by one hand of the user the rope is flexed at the notch and is thus frictionally engaged with the device to effect towing.

2,473,301
MOTION-PICTURE SCREEN
Anders W. Ramstad, Parkland, Wash.
Application September 5, 1944, Serial No. 553,969
2 Claims. (Cl. 88—28.90)



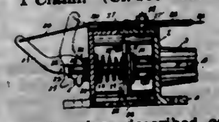
1. A picture projection screen structure comprising upper and lower horizontal frame members, upper and lower curved resilient strips extending horizontally, a flexible screen having upper and lower edges attached to said strips whereby said screen is curved from side to side thereof by said strips, and means for supporting said strips comprising a plurality of arms independently adjustable endwise on said frame members to apply pressure to said strips at different points along the same to variably curve said strips and said screen.

2,473,302
DYNAMOELECTRIC MACHINE HAVING LAMINATED ARMATURE WITH TEETH SLOTTED TO REDUCE EDDY CURRENTS
William L. Ringland, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 7, 1946, Serial No. 674,958
8 Claims. (Cl. 171—252)



3. A cylindrical armature core member for a dynamoelectric machine comprising a stack of magnetic laminae extending transversely to the axis of said member, said laminae being provided with a plurality of substantially radial narrow slots of substantially uniform width extending to the air gap surface of said laminae for reducing the eddy currents produced in said stack by fringing flux entering said stack through the end surfaces thereof while leaving substantially unaffected the reluctance of said stack for the flux entering the air gap surface of said stack, the depth of said slots decreasing from said end surfaces toward the central portion of said stack.

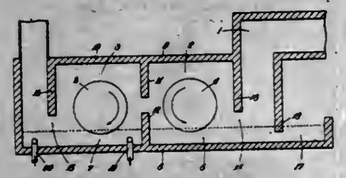
2,473,303
SWITCH
Roland S. Robbins and Carl T. Cochran, Lakewood, Ohio
Application August 24, 1945, Serial No. 612,432
1 Claim. (Cl. 200—16)



A device of the class described comprising a casing, a pair of battery circuit contacts insulated from the casing and mounted on opposite sides thereof, a movable contact adapted to bridge said first contacts, compression means normally urging said movable contact into engagement with said pair of contacts, a generator battery circuit con-

tact insulated from said casing and engageable by said movable contact when the latter is moved to its limit of motion in a direction to disengage said battery circuit contacts and against the urge of said compression means, a rod in said casing carrying said movable contact, and a cam lever having pivotal and sliding engagement with an end of said rod to move the rod in opposite directions, said cam lever having a slot therein, a pin carried by said rod end and operating in said slot, the cam portions of the lever having front and rear face portions embracing an intermediate heel or high point portion, said cam slot being so positioned relative to said high point that movement of the lever to its limit of movement in either direction will urge said pin to one respective end of said slot past a dead center position to thereby hold the movable contact in its respective limits of movement and in contact with one or the other of said battery or generator circuit contacts, and means for moving said cam lever.

2,473,304
CONDENSATION OF ZINC FROM ITS VAPOR IN GASEOUS MIXTURES
Stanley Robson, Redland, Bristol, England, assignor to The National Smelting Company Limited, London, England, a British company
Application June 18, 1947, Serial No. 755,443
In Great Britain March 12, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 12, 1966
4 Claims. (Cl. 75—33)



1. A process for condensing zinc as liquid from a mixture of zinc vapour with permanent gases, comprising at least two stages of condensation in which the gas-zinc vapour mixture is fed with the minimum possible heat loss from the producing unit to a first condensing stage where the mixture is brought into intimate contact with a shower of molten zinc metal at a temperature high enough to permit tapping of molten zinc for casting into ingots, and the gas mixture is thence fed to a second condensing stage in which the mixture is brought into intimate contact with a shower of molten lead which may contain a residual amount of zinc in solution and whose temperature is below the minimum practical temperature for tapping molten zinc for casting into ingots.

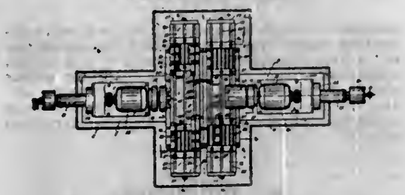
2,473,305
WINDOW SHADE GUIDE
Emil A. Schmaus, Chicago, Ill.
Application September 19, 1945, Serial No. 617,345
2 Claims. (Cl. 160—268)

1. A shade guide including a bracket adapted to be positioned transversely of a side member of a window casing and formed with a vertical forwardly extending apertured flange forming the central portion of a hinge, a plate formed with an inwardly extending shade-engaging and guiding slot in its outer end and with vertically spaced apertured hinge portions adapted to be disposed at the opposite sides of said central hinged portion with the several apertures aligned, a pin



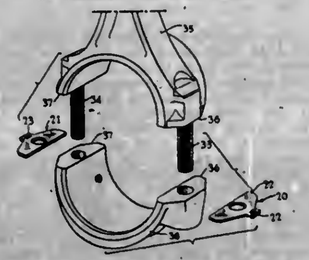
extending through said aligned apertures in the hinged portions, and means formed on the inner end of said plate for engagement with said bracket to limit the movement of said plate.

2,473,306
TANDEM SPINDLE LATHE
John H. Schreiber, St. Louis, Mo.
Application January 29, 1943, Serial No. 473,898
7 Claims. (Cl. 82—2.5)



1. In a tandem spindle lathe, two spindles supported in axially alined tandem relationship for respective or synchronous rotation and longitudinal axial movements, mechanisms for synchronously or respectively rotating and moving said spindles in longitudinal axial directions, chucks mounted on said respective spindles for cooperatively supporting pieces of work during processing thereof or for separately supporting pieces of work as desired, and laterally adjustable tool supports for supporting tools to operate upon the work supported by said chucks as aforesaid.

2,473,307
SHIM
Richard Seipt, Darien, and Douglas M. Steves, Tuckahoe, N. Y., assignors to Laminated Shim Company, Glenbrook, Conn., a corporation of Connecticut
Application February 21, 1948, Serial No. 10,085
10 Claims. (Cl. 308—244)

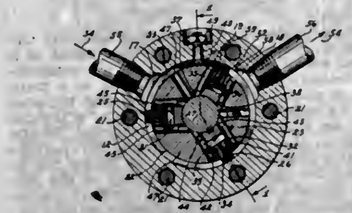


1. As an article of manufacture, a shim having a plurality of stacked body elements with tabs extending from said body elements, and rivet means joining said tabs together to hold said body elements in assembled relationship, said tabs being separable from said body elements to detach said body elements from each other.

2,473,308
TREATMENT OF CELLULOSIC TEXTILES WITH STRONG HYDROXIDE AND ACRYLONITRILE
James W. Stallings, Atlanta, Ga., assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application December 24, 1946, Serial No. 718,267
3 Claims. (Cl. 8—116.2)

1. The process of increasing abrasion resistance, stiffness, and tensile strength and decreasing moisture absorptivity of cellulosic yarns and fabrics which comprises impregnating said cellulosic material with a 10% to 30% aqueous solution of a strong hydroxide at 0° to 30° C., removing excess solution therefrom until the gain in weight is about equal to the dry weight of the dry cellulosic material, immersing the impregnated material in a 5% to 50% solution of acrylonitrile in an inert water-immiscible organic solvent at 0° to 35° C. for one to twenty-four hours, separating material and solution, and removing acrylonitrile and strong hydroxide remaining in the treated material.

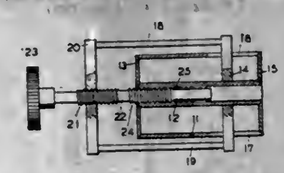
2,473,309
ROTARY BALANCED VANE PUMP
William T. Stephens, Painesville, Ohio
Application November 2, 1945, Serial No. 626,213
7 Claims. (Cl. 103—136)



1. A sliding vane pump comprising in combination a housing having a right circular cylindrical bore with inlet and outlet openings and a sealing segment therebetween, a rotor having a shaft concentric with said bore, a plurality of radially movable hydraulically balanced vanes in said rotor and hydraulic means for pressing the vanes radially inward to avoid friction at the sealing segment between inlet and outlet openings of the housing.

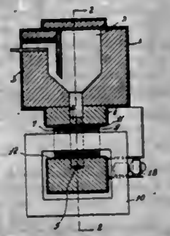
2,473,310
TUNABLE ELECTRICAL CIRCUITS
Maximiliaan Julius Otto Strutt and Johannes Marinus van Hofweegen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 14, 1943, Serial No. 483,004
In the Netherlands May 23, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 23, 1961
3 Claims. (Cl. 178—44)

1. A tunable oscillatory circuit comprising an inner and an outer conductor fixedly connected together at one end by an end plate so as to constitute a concentric line resonator, a metallic bridge piece connecting the outer surface of the inner conductor with the inner surface of the outer conductor for tuning said oscillatory circuit, a shaft having two spaced screw threads of different pitches, said shaft entering the interior of said inner conductor, one of said screw threads



engaging said inner conductor for causing movement of said concentric line resonator as an integral unit, the other of said screw threads on said shaft being linked to said bridge piece, whereby rotation of said shaft causes both said resonator and said bridge piece to move simultaneously in the same direction but at different rates.

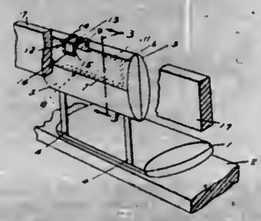
2,473,311
METHOD FOR PRODUCING METAL ALLOYS IN A SUBMERGED RESISTOR TYPE INDUCTION FURNACE
Manuel Tama and Mario Tama, Morrisville, Pa., and James Lloyd Hoff, Pennington, N. J., assignors to Ajax Engineering Corporation, Trenton, N. J.
Application July 3, 1945, Serial No. 603,626
4 Claims. (Cl. 13—34)



4. A method for producing metal alloys adapted to form low melting point segregations and particularly lead-rich copper alloys in a submerged resistor type induction furnace having in a refractory-lined casing an upper melting hearth, a refractory block underneath the hearth, a secondary melting loop opening into the hearth and inner cooling duct located in this block in concentric relationship with said loop, an inductor unit in said cooling duct, said loop and said cooling duct enclosing therebetween an annular refractory body having its outer face adjacent to said melting loop and its inner face adjacent to said cooling duct, said method comprising maintaining a relationship between the thickness of said annular refractory body of between four to six inches and the surface coefficient of heat

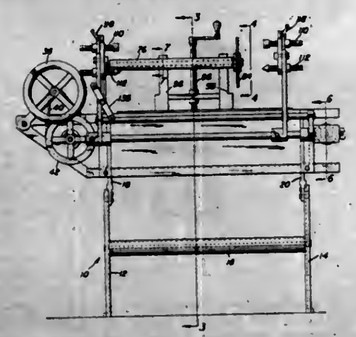
transmission at its cold face of between 39.0 to 18.0 B. t. u./°F./ft.²/ho. to create at said cold face a temperature of about 700 to 500° F.

2,473,212
BENCH CUSHION
Leonard J. Thompson, Wichita, Kans.
Application July 12, 1946, Serial No. 683,007
5 Claims. (Cl. 155—182)



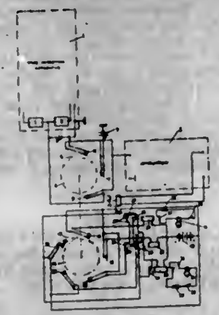
1. In a device of the class described, a cushion, a pocket in the backside of said cushion, a centrally-located opening in the upper edge of said pocket, an elongated frame in said pocket, a centrally-located downwardly-opening hook secured to said frame and projecting through the opening in said pocket whereby to engage and secure the cushion to the upper edge of a backrest.

2,473,213
LAWN MOWER GRINDER
Albert C. Thompson, Fountain City, Tenn.
Application September 10, 1947, Serial No. 773,258
1 Claim. (Cl. 51—48)



A lawn mower sharpener comprising a base, a rail secured to said base and a carriage slidably disposed on said rail, a frame vertically movable on said carriage, and threaded means reacting on said carriage for retaining said frame in preselected vertical positions, a shaft mounted for rotation on said frame adapted to support an abrading means, a hand wheel mounted on said base, and means drivingly connecting said hand wheel and said carriage to slidably actuate said carriage, a motor, a table pivoted to said carriage supporting said motor, and means drivingly connecting said shaft and said motor, a pair of supports mounted on said base, links pivoted to said supports, upper screws mounted on said links adapted to engage the shaft of a lawn mower, and lower screws carried by said links to engage a lawn mower component, and means carried by said supports for adjusting the angle of inclination of said links.

2,473,214
SUPERVISORY SIGNALING DEVICE
Pierre Marie Gabriel Toulon, Neuilly sur Seine, France, assignor to Compagnie Francaise du Signum, Paris, France, a body corporate of France
Application March 9, 1946, Serial No. 653,240
In France March 8, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 8, 1965
5 Claims. (Cl. 177—311)



1. Security device for amplifiers ensuring the connection between a detecting instrument of a physical event and a signalling device, comprising a detecting apparatus giving rise to a main source of potential when detecting said physical event, an amplifier, an alarm device, a trouble device, an auxiliary source of potential, means creating at the output of said amplifier, periodically and successively, an impulse taking rise in the amplifier upon a faulty working of the latter, an impulse supplied by said auxiliary source of potential and an impulse supplied by said detecting apparatus when detecting a physical event, means actuating the trouble device by the impulse resulting from a faulty working of the amplifier, means controlled by the impulses supplied to the amplifier by said auxiliary source for completing the circuit of the alarm device and means controlled by the amplifier which is in turn controlled by the detecting apparatus for actuating the alarm device.

2,473,315
COTTON HARVESTER
Jeffrey John Wallace, Amite, La., assignor to Gullett Gin Company, a corporation of Louisiana
Application October 14, 1947, Serial No. 779,797
3 Claims. (Cl. 56—48)

1. Cotton harvester including a pair of driven picking cylinders rotatable toward one another, mounted on vertical axes and in lateral adjacency, adapted to compact the cotton plant between them as the harvester travels along a row of plants, said cylinders each having a flexible side wall and being inflatable to maintain said side wall under yielding pressure, whereby the side walls yield complementary to the shape of pro-



tuberant portions of the plant coming between said cylinders, permitting them to pass therebetween without being torn from the plant.

2,473,316
RAILWAY BRAKE BEAM
Samuel J. Walker, Lake Forest, and Irvin J. Spaeth, Chicago, Ill., assignors to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application January 4, 1947, Serial No. 720,178
8 Claims. (Cl. 188—223.1)



1. In a railway brake beam, a compression member, a tension member and a strut member, said members forming a truss and defining the general plane of the beam, the compression member being of angular cross section with web-like structure extending substantially throughout the length of the member in a plane inclined slightly to said general plane of the beam.

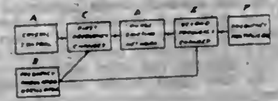
2,473,317
SPARK PLUG
Harry R. Webber, Norwood, Pa.
Application January 29, 1946, Serial No. 643,994
1 Claim. (Cl. 123—169)

In a spark plug, a shell having a differential bore with an annular internal portion at its forward end, a conical seat in rear of said annular portion and a rear, flat seat of greater diameter than said conical seat, an insulator in said shell having a cylindrical portion closing the front end of the shell, a conical seat in rear of said cylindrical portion, an enlarged rear shoulder to engage the rear seat, a portion of reduced diameter between said seats forming with the shell an annular chamber, and a lateral passage opening at its ends into said chamber, a nut encircling the insulator, in threaded engagement with the shell and bearing against said shoulder, said insulator having passages in its periphery extending from said lateral passage through its rear shoulder and beyond said nut, a ground electrode at the front end of the shell, and a sectional main electrode extending longitudinally through the shell with juxtaposed ends spaced at said lateral passage to



form a spark gap of substantially the same spacing as that of the main and ground electrodes.

2,473,318
PHASE OR FREQUENCY MODULATION
Donald Weighton, Cambridge, England, assignor to Pye Limited, Cambridge, England
Application August 7, 1947, Serial No. 767,117
In Great Britain December 22, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires December 22, 1959
10 Claims. (Cl. 332—22)

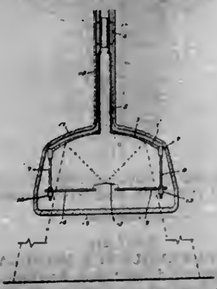


1. Method of wave modulation which comprises heterodyning master oscillations of substantially constant frequency with frequency modulated oscillations, heterodyning the resultant beat oscillations with the frequency modulated oscillations, applying a phase shift which is a linear function of frequency to the frequency modulated oscillations prior to the second-mentioned heterodyning, and selecting a desired product of said second heterodyning.

2,473,319
GASKET AND GASKET COMPOSITION
Herbert A. Winkelmann, Chicago, Ill., assignor to Dryden Rubber Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 10, 1947, Serial No. 785,183
4 Claims. (Cl. 260—19)

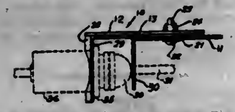
1. A gasket composition comprising from 25% to 65% by weight of a butadiene-acrylonitrile copolymer synthetic rubber containing acrylonitrile in an amount not less than 20% by weight of the copolymer, a liquid petroleum oil at least 90% by weight having a boiling point of at least 150° C. and at least 75% consisting of aliphatic hydrocarbons, said petroleum oil being present in an amount from 25 to 60 parts by weight on 100 parts by weight of said copolymer, graphite in amount from 10 to 125 parts by weight on 100 parts by weight of said copolymer, a thermosetting phenol formaldehyde resin in amount from 10 to 35 parts by weight on 100 parts by weight of said copolymer, and sulfur from 1 to 5 parts by weight on 100 parts by weight of said copolymer.

2,473,320
CATHODE-RAY TUBE
Arthur Henry Ashford Wynn and Ronald Alfred Hill, London, England, assignors to A. C. Cossor Limited, London, England, a British company
Application March 7, 1947, Serial No. 733,153
In Great Britain March 7, 1946
3 Claims. (Cl. 250—164)



1. A cathode ray tube having an electron beam projecting structure including a final anode and wherein is arranged an internal projection system comprising an object screen having a fluorescent surface thereon, said fluorescent surface facing the oncoming electron beam, and a mirror carried by the electron beam projecting structure of the tube and arranged to reflect light rays proceeding from said object screen upon excitation by the electron beam, through the end wall of the cathode ray tube, said mirror being carried by the final anode of the electrode structure.

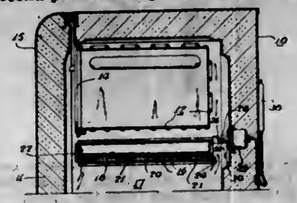
2,473,321
PLUG-IN CLIP
Michael Yanko, Masury, Ohio
Application July 27, 1945, Serial No. 607,345
4 Claims. (Cl. 173—328)



1. A clamp for use in detachably interlocking an electrical socket and a cooperating plug having conducting lines comprising, a first section including a lateral bifurcated clamping arm, a second section extensibly connected thereto, including a pair of complementary members having coactive clamping arms, said arms being adjustable longitudinally relative to said arm and laterally adjustable relative to each other for selective engagement of the plug and the conducting lines, and means for securing said sections in selected positions.

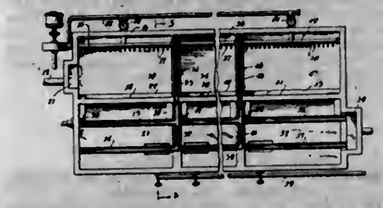
2,473,322
REFRIGERATOR HAVING MEANS FOR MINIMIZING CONDENSATION
Orland H. Yoxsimer, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 12, 1947, Serial No. 785,476
4 Claims. (Cl. 62—103)

1. A refrigerator comprising a food storage chamber having thermally insulated front, side, rear, top and bottom walls, said front wall including a door and being of lesser thermal insulating value than said side and rear walls, a cooling unit in the upper portion of said chamber, means for maintaining said cooling unit at a temperature below freezing, a partition in said chamber, said partition including a first plate located below said cooling unit, a second plate below said first plate and near but spaced therefrom to define a first air passage between said plates, said second plate comprising material which is transparent to radiant heat, said first and second plates having edges spaced from said



door when closed to define a second air passage adjacent said door, said first and second plates also having edges spaced from the rear wall of said food storage chamber to define a third air passage adjacent said rear wall, said first air passage communicating with said second and third air passages, the side edges of said first plate being sealed to the side walls of said chamber to prevent substantial passage of air therebetween, and a valve in said third air passage and adapted and arranged to substantially close the space between said first plate and the rear wall of said chamber.

2,473,323
METHOD AND APPARATUS FOR TREATING SEWAGE
Samuel I. Zack, Paxtang, Pa.
Application May 29, 1945, Serial No. 596,469
16 Claims. (Cl. 210—8)



1. In a sewage treatment apparatus, the combination with an aeration chamber to receive sewage and means for introducing sewage thereinto, of an adjacent settling chamber receiving sewage therefrom through a bottom opening between the chambers, a device adapted to be operated from the exterior of settling chamber for returning part of the settled sludge from the settling chamber to the aeration chamber through said bottom opening between the chambers, a separately settable device through which excess sludge is removed, an effluent connection from the settling chamber including troughs serving as weirs substantially throughout the length of the chamber and drawing liquid through the bottom opening, and an elongate aerating device in the aeration chamber adjacent

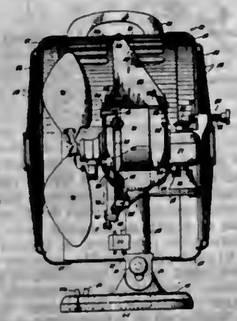
a bottom wall thereof adapted to maintain circulation of sewage in the aeration chamber by supplying air thereto.

2,473,324
FISHING LURE
Louis D. Adam and Nelta G. Poplin, Ponca City, Okla., assignors to Pachner & Koller, Inc., Chicago, Ill., a corporation of Illinois
Application June 28, 1946, Serial No. 680,258
6 Claims. (Cl. 43—42.47)



1. A fishing lure comprising an elongated body, a downwardly inclined substantially saucer-like shaped member secured to the forward end of said body and having a slot therein; and a brace having a line receiving eyelet in one end thereof, said brace being secured at one end to the forward end of said body, said eyelet adapted to partially extend through said slot and secured to said substantially saucer-like shaped member.

2,473,325
COMBINED ELECTRIC FAN AND AIR HEATING MEANS
John M. Auflero, Plandome, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application September 19, 1946, Serial No. 697,857
5 Claims. (Cl. 219—39)

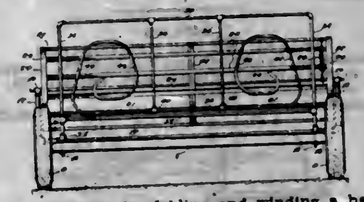


1. Air circulation means comprising a motor mounted upon a standard; a fan fixed to the shaft of said motor; a pair of frames fixed to the motor at opposite ends thereof; a plurality of substantially triangular brackets affixed at their bases to said frames and extending approximately radially outwardly from said motor, and a casing supported upon the apices of said triangular brackets and concentric with said motor, said casing completely encompassing said fan and said motor and having at its opposite ends closely spaced grille means to permit air flow while precluding the entry of any relatively large foreign objects.

2,473,326
COMPOSITION SUITABLE FOR THE CONSTRUCTION OF ROADS, PATHS, FLOORS, AIRDROME RUNWAYS, AND THE LIKE
John Frederick Thomas Blott, Worcester Park, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 3, 1944, Serial No. 543,420. In Great Britain June 18, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 18, 1963
8 Claims. (Cl. 260—38)

1. A method of producing a substantially water-repellent structural material possessing substantial rigidity, which comprises intimately mixing a major proportion of a natural soil containing clay and sand in combined major proportions therein with combined minor proportions of resorcinol, formaldehyde, water and hydrated lime, the resorcinol and the formaldehyde being used in proportions each less than 5% by weight of the resulting mixture, the hydrated lime being less than 2% by weight of the resulting mixture, and aging the resulting mixture to produce a water-repellent, substantially rigid, structural material.

2,473,327
IMPLEMENT FOR WINDING AND FOLDING HARVESTING SHEETS
Wade H. Born, McRae, Ga.
Application March 20, 1945, Serial No. 583,799
3 Claims. (Cl. 56—329)

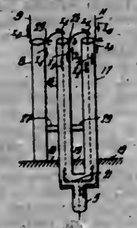


1. Apparatus for folding and winding a harvesting sheet comprising, a chassis frame, wheels supporting said chassis frame for rolling movement, a reel arranged transversely of the chassis frame, means supporting said reel for rotation on the chassis frame, means for securing the harvesting sheet to the periphery of said reel, a sheet folding guide member carried by said chassis frame including a horizontal portion and the vertical portion extending upwardly from the horizontal portion and merging with a downwardly extending portion which terminates in a tip portion, a second sheet folding guide member carried by the chassis frame including a horizontal portion and an upwardly extending portion merging with a downwardly extending portion which terminates in a tip portion, and said guide members being spaced forwardly of the reel for elevating and folding the lateral edges of the sheet to prevent escape of articles being harvested as the sheet is wound onto the reel.

2,473,328
LINE BALANCE CONVERTER
George H. Brown and Oakley M. Woodward, Jr., Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application December 19, 1944, Serial No. 568,844
11 Claims. (Cl. 178—44)
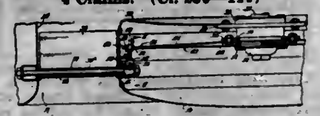
1. A line balance convertor including a substantially plane conductive body, a pair of coaxial transmission line sections extending through

said body at right angles to the surface thereof with their upper ends at points approximately one-quarter wavelength distant therefrom at the mean frequency of operation of the system, a cylindrical conductor substantially identical with the outer conductors of said line sections connected to said body and extending therefrom parallel to said line sections, a coaxial line connected to the lower ends of said line sections in



parallel, a balanced line including two conductors connected respectively to the upper end of said cylindrical conductor and to the upper end of the outer conductor of one of said coaxial line sections, means connecting the inner conductor of said one line section to the outer conductor of the other of said line sections, and means connecting the inner conductor of said other line section to the upper end of said cylindrical conductor.

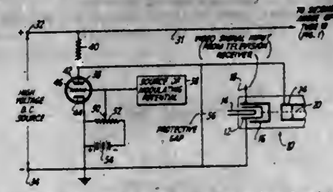
2,473,329
TAIL ROTOR FOR HELICOPTERS
James Nall Candler, Grosse Pointe, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 15, 1944, Serial No. 568,293
4 Claims. (Cl. 230—114)



3. In combination with a hollow body having a walled passageway of annular cross section extending therethrough; means for creating and controlling a current of air through said annular passageway, said means comprising an impeller having an enlarged hub and an annular row of blades projecting radially therefrom across said passageway intermediate the ends thereof; an annular row of adjustable louvers arranged radially in said annular passageway between the walls thereof and in advance of said impeller; rotatable spindles extending across said passageway for supporting said louvers; rocker arms for rotating said spindles; a rotatable spider; and ball and socket assemblies operatively connecting said rocker arms and said spider, the balls of said assemblies being provided with means to slidably receive said rocker arms.

2,473,330
VOLTAGE CONTROL SYSTEM FOR CATHODE-RAY TUBES
Alfred W. Cousins, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1947, Serial No. 751,074
4 Claims. (Cl. 315—31)

1. In a system for supplying operating potentials to two electrodes of a cathode ray tube in order to effect focusing of the scanning beam in said tube, the combination of a source of high D.-C. voltage, a circuit for applying said voltage to one of said electrodes, a resistance, a grid-controlled electron discharge device, means connecting said resistance and said device in series across said source of high D.-C. voltage, an independent source of relatively low bias voltage, a circuit for



applying said bias voltage to the grid of said electron discharge device to limit the flow of current through said device and also through said series-connected resistance, a connection from another of said electrodes to a point on said resistance, a source of modulating potential, and means for applying said modulating potential to the grid of said electron discharge device to modify the action of said bias voltage.

2,473,331
HELICOPTER POWER AND CONTROL MECHANISM
Carson O. Donley, Indianapolis, Ind., assignor to Vertiflite, Inc., Indianapolis, Ind., a corporation
Application October 20, 1944, Serial No. 559,009
6 Claims. (Cl. 170—135.26)



2. In a helicopter control system having a tiltable and rotatable control wheel means, foot operable means adjacent thereto and independent hand operable means adjacent both means, the combination of a pair of controls each including three reciprocable members, a hollow member connected to each reciprocable member and movable thereby, said hollow members of each said control being connected successively one to another and pivotally adjustable one upon another, a blade pitch control member directly connected to one of the hollow members and responsive to movement of any and all connected hollow members, and means connecting the six reciprocable members to said first three means for helicopter control.

2,473,332
INSULATION MEANS FOR ELECTRICAL APPARATUS
James M. England, Lebanon, Mo., assignor of one-third to David E. Owen, St. Louis, Mo.
Application May 26, 1944, Serial No. 537,511
7 Claims. (Cl. 174—33)

1. An insulation means for placing in electrical conductor receiving slots comprising a sheet of insulation material rectangular in shape, notched at one end to provide holding tabs on opposite sides of its longitudinal axis, and cross scored slightly inwardly from the inner end of the notch so that when the sheet is turned upon



itself about its longitudinal axis for reception in the slot the sheet can also be bent at the cross score to thus position the holding tabs in laterally outwardly extending direction and provide a turned over portion to overlie the end edge of the bottom of the slot.

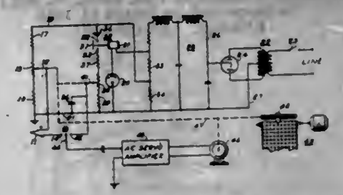
2,473,333
ARTICLE HOLDING ALBUM
Lester Gels, New York, and Robert E. Pope, Setauket, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application February 15, 1944, Serial No. 522,510
2 Claims. (Cl. 129—20)



1. An article-holding album comprising a pair of outer covers and including at least one envelope between said covers for holding said article, said envelope and said covers being secured together at one of their edges, said envelope being constituted of stiffened flexible material and being open along at least one other edge thereof and having a fold line extending from a point adjacent said open edge to a point adjacent a third edge of said envelope, whereby to provide a flap which automatically opens when said covers are swung apart.

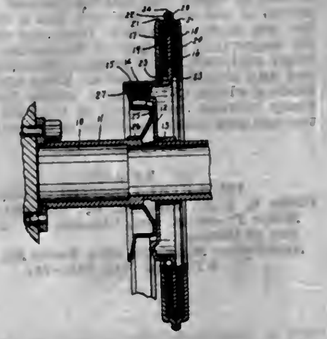
2,473,334
POTENTIOMETRIC CIRCUIT
Ivan A. Greenwood, Jr., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application August 27, 1948, Serial No. 46,415
9 Claims. (Cl. 318—28)

1. A device of the class described comprising, means for producing a variable voltage, means for producing a voltage subject to departures from a standard, a first device for selecting a variable portion of said voltage subject to departure from standard, means for opposing said variable voltage and the selected portion of said voltage subject to departure from standard to produce a first difference voltage, a standard voltage source of constant potential, circuit means for continuously opposing said standard voltage to said voltage subject to departure from standard to obtain a second difference voltage function of said departure from standard, a second device for selecting a variable portion of said second difference voltage, means for producing an alternating-current signal whose amplitude is a function of the difference of the variably selected por-



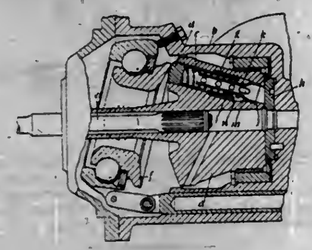
tions of said first and second difference voltages and motor means operative in accordance with the sense and amplitude of said alternating current signal for concomitantly and proportionally adjusting said first and second devices.

2,473,335
VIBRATION DAMPER
James A. Hardy, Indianapolis, Ind., assignor to Schwitzer-Cummins Company, Indianapolis, Ind., a corporation
Application June 19, 1946, Serial No. 677,888
2 Claims. (Cl. 74—574)



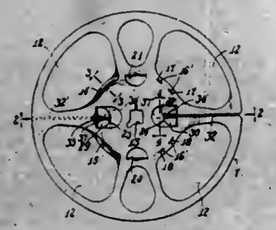
1. In a vibration damper for rotating shafts, the combination with a sleeve adapted to be secured to a shaft and having a hub portion, a radially extending supporting plate of stamped sheet metal having its inner portion flanged to provide a supporting collar adapted to be secured about said sleeve, a resilient rubber disk embracing the outer portion of said supporting plate in substantially spaced relation to said collar, a pair of opposed stamped sheet metal clamping plates co-extensive with and clamped about the outer faces of said rubber disk for providing an inertia element, the inner peripheral edges of each of said clamping plates being flanged inwardly toward said supporting plate at a substantial distance from the said collar thereof, and the outer peripheral portions of said clamping plates being flanged inwardly and radially outwardly to abut each other about the outer periphery of said rubber disk, and means for securing the abutting flanged portions of said clamping plates with said rubber disk compressed therebetween.

2,473,326
RECIPROCATORY PUMP AND THE LIKE
Richard Joseph Ifield, Birmingham, England, assignor to Joseph Lucas Limited, Birmingham, England
Application March 12, 1946, Serial No. 653,769
In Great Britain March 13, 1945
4 Claims. (Cl. 103—162)



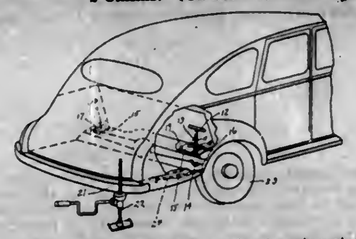
1. In a reciprocatory pump or the like having inlet and outlet ports for fluid, the combination of at least one cylinder bore, a hollow plunger slidable in the bore, means for moving the plunger in one direction, a compression spring located within the plunger for moving it in the opposite direction, a perforated guide tube for the spring extending along the interior thereof and supported at one end in the bore, and a shoulder on the said guide tube spaced from said end thereof for supporting one end of the spring, the tube being perforated at a position between the said end and shoulder as well as along the part extending within the spring to enable fluid to flow freely between the interior of the said tube and the said bore under the action of the said plunger.

2,473,327
FILM REEL CONSTRUCTION
Philip L. Karr, Chicago, Ill., assignor to Excel Movie Products, Inc., Chicago, Ill., a corporation of Illinois
Application March 29, 1946, Serial No. 658,071
8 Claims. (Cl. 242—74)



1. A device of the character described comprising two flanges and a hub portion, means in said hub portion for receiving a film end therein and retaining the same, said means including a pair of juxtaposed lips in spaced relation, each of said lips having a slot for receiving a film end, the slots being so arranged that the film end when received therein is deformed substantially in an ogee configuration.

2,473,328
VEHICLE SPRING PRELOADING DEVICE
Clyde R. Kilmer, Elkhart, Ind.
Application December 26, 1947, Serial No. 793,994
2 Claims. (Cl. 267—2)



1. A device for pre-loading a load spring structure of a self-propelled vehicle, comprising in combination a slotted bearing plate operatively supported by the frame and a catch member having a shank including a handle at one end and a hook portion at the other end, the latter being adapted for axle or similar part engagement, and a plurality of longitudinally spaced locking lugs on said shank selectively associated with the said plate, the hook extending through the plate and the slot being of such length that it will pass the hook portion and any and all of the said lugs, the lugs being disposed transversely of the longitudinal direction of the slot and one of the lugs bearing on the plate when in operative position for spring preloading purposes.

2,473,329
STABLE, STERILE AQUEOUS SOLUTIONS OF STREPTOMYCIN AND PROCESS OF MAKING SAME
Frederick J. Kirchmeyer, Waukegan, and Ione Rita Card, North Chicago, Ill., assignors to Abbott Laboratories, a corporation of Illinois
No Drawing. Application June 13, 1946, Serial No. 676,572
10 Claims. (Cl. 21—2)

7. A stable liquid streptomycin preparation comprising, in combination: a sterile aqueous solvent; and a sterile salt of streptomycin dissolved in said solvent; said solvent also containing as a protective ingredient a salt stable in aqueous solution and having a mild reducing action; and sufficient acidic material to maintain the pH during storage in an inert atmosphere at about 4.85 and between about 3.0 and about 6.0.

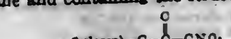
2,473,340
BOLSTER FOR FOUR-WHEEL COMMERCIAL AND FARM TRAILERS
Otto A. Klockau, Rock Island, Ill.
Application January 24, 1947, Serial No. 724,163
3 Claims. (Cl. 280—143)



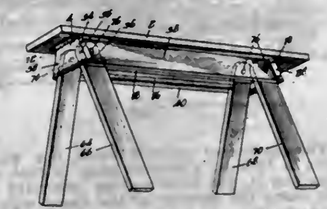
1. In a device of the class described, the combination with a vehicle reach and axle attached thereto, and posts supported at the ends of said axle, of a two-part bolster mounted on said axle including a lower plate and upper plate having a vertically sliding connection with said posts, interposed springs, and a chain connection between said upper plate and said reach, permitting a limited rocking movement to said upper plate, independently of the posts.

2,473,341
UNSATURATED HALOGEN-CONTAINING NITRO COMPOUNDS AND THEIR PRODUCTION
Eduard Cornelis Kooijman and Johan Overhoff, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 7, 1947, Serial No. 739,948. In the Netherlands July 5, 1946
14 Claims. (Cl. 260—644)

13. A mono-olefinic mononitrohalohydrocarbon having from 4 to 16 carbon atoms to the molecule and containing the structural grouping



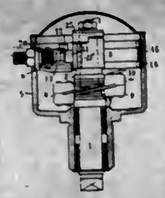
2,473,342
FOLDING SAWHORSE
Charles O. Larson, Sterling, Ill.
Application May 17, 1946, Serial No. 670,569
9 Claims. (Cl. 304—5)



4. A metallic bracket for a foldable saw horse comprising a sheet metal member having a plate-like portion formed in a single plane said plate having a relatively broad basal edge and a narrower upper opposed edge, said plate-like portion having normally extending flanges which extend in the same direction and which flanges converge from the broader basal edge to the shorter opposed edge, said flanges being suitably perforated to receive fastening means, the upper shorter edge of said plate-like portion having a third flange extending in a direction opposite to the first mentioned flanges and lying normally to the plane of said plate-like portion, said third flange having openings for the reception of securing means and having tongues formed in the metal substantially at the junction of said third flange and the upper edge of the plate-like portion, said tongues extending angularly with respect to the upper edge of the plate-like portion and lying normally to the planes of the first two mentioned flanges.

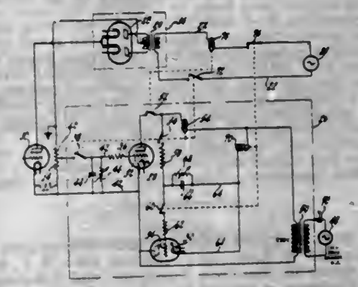
2,473,343
CENTRIFUGAL SWITCH DEVICE
Georges Levesque du Rostu, Paris, France, assignor to Societe Anonyme Andre Citroen, Paris, France
Application July 26, 1945, Serial No. 606,226
In France June 27, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires June 27, 1962
2 Claims. (Cl. 200—31)

1. An automatic spark advancing mechanism for internal combustion engines including at least one mass submitted to centrifugal force, formed by two superposed symmetrical members showing a groove in the cooperating surfaces thereof, a spring to which said mass is directly secured, a driving shaft, a cam shaft the angular shifting



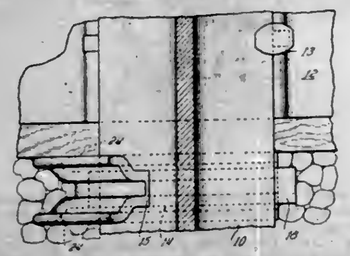
of which with reference to the driving shaft defines the variation in the lead and means for securing the ends of the spring respectively to said two shafts, the radius of curvature of the spring in the part to which the mass is secured matching the radius of curvature of the groove.

2,473,344
OVERLOAD PROTECTION SYSTEM
William E. McCown, Gloucester, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 26, 1945, Serial No. 574,696
3 Claims. (Cl. 175—363)



1. In an overload protection system, a controlling circuit including a gas discharge relay tube and a gas discharge lock-out tube, means for supplying alternating current to said relay tube, a controlled circuit including a direct current portion and an alternating current portion, said controlled circuit being energized only when said relay tube is energized, means responsive to the flow of space current in said relay tube for closing said alternating current portion and for normally preventing ignition of said lock-out tube, means responsive to an overload in said direct current portion for extinguishing said relay tube and for re-ignition thereof after a predetermined period, means responsive to an overload in said alternating current portion for extinguishing said relay tube and for thereupon re-igniting the same, means responsive to a predetermined rate of extinction and re-ignition of said relay tube for igniting said lock-out tube, and means responsive to the flow of space current in said lock-out tube for keeping said alternating current portion open.

2,473,345
RAIL ANCHOR
Frederick A. Preston, Lake Forest, Ill., assignor, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware
Application December 7, 1944, Serial No. 566,977
7 Claims. (Cl. 238—327)



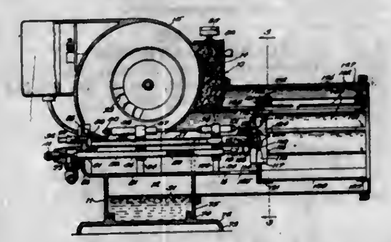
1. A rail anchor comprising a body portion provided at one end with a hook, which hook and said body portion cooperate to provide upper and lower jaws for gripping the top and bottom surfaces, respectively, of one base flange of a railroad rail; the said body portion including a horizontal web which bears against the bottom surface of the rail and extends around the inner face of the hook to provide the upper jaw with a horizontal portion for gripping the top surface of said base flange and a rigidifying flange extending around said hook to reinforce the hook and depending from said horizontal web of the body to provide abutting engagement with a rail supporting structure; the said rigidifying flange being bent laterally along its longitudinal center portion to offset the outer marginal portion of the flange relative to said horizontal web, whereby a reinforcing dished configuration is formed in said rigidifying flange at the hook end of the anchor and the engagement of the anchor with the rail supporting structure is confined to the offset marginal portion of said rigidifying flange.

2,473,346
TELETYPEWRITER EXCHANGE SYSTEM
Kenneth W. Richards, Packanack Lake, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 1, 1944, Serial No. 566,078
4 Claims. (Cl. 178—2)



1. In a teletypewriter exchange system, the combination with a subscriber's loop having a teletypewriter transmitter connected therewith the said transmitter having a source of potential connected thereto adapted to transmit impulses of a certain value, of a cord circuit having sources of potential designed for operation with subscriber loops using a greater current value than is employed in the first mentioned loop, the said cord circuit including a repeater comprising a pair of polarized relays, and means to adjust the first mentioned loop for operation with the said cord circuit, the said adjusting means including a resistance a portion of which is connected across the said loop and the remainder in series with a source of voltage connected between the said loop and ground, the said resistance being so proportioned with respect to the resistance of the loop that the average current for marks and spaces passing through the line winding of the polar relay connected to the said loop shall equal the biasing current of that relay.

2,473,347
AIR DIRECTING MEANS IN GUN TYPE BURNERS
William L. Sanborn, Milwaukee, Wis., assignor, by mesne assignments, to Cleaver-Brooks Company, a corporation of Wisconsin
Original application April 3, 1943, Serial No. 482,247. Divided and this application December 24, 1947, Serial No. 793,739
6 Claims. (Cl. 158—1)

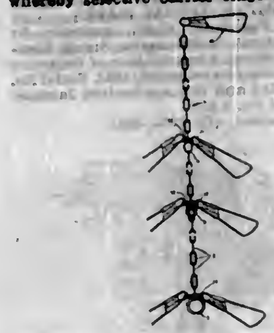


1. The process of burning liquid fuel which consists in forming a conical spray of fuel and air, igniting it, and then moving secondary air axially along the exterior of the flame with at least a portion of said secondary air being swirled around the flame in a diverging stream, and another portion of said secondary air being swirled around the flame in a cylindrical stream.

2. In a fuel burner of the class described, the combination of a means defining a passage for feeding a combustible mixture to a flame, said passage extending inwardly from the outer end of the burner, means for introducing a gaseous fluid into the passage centrally thereof, means at the inner end of the passage to introduce fuel in divided form into said fluid for dispersal therein and entrainment thereby, and means to introduce additional gaseous fluid peripherally into said passage along substantially the length of the passage with an axial component of motion to form an axially progressing rotating annular mass of fluid surrounding said fuel-laden stream and separating the fuel-laden stream from the passage wall.

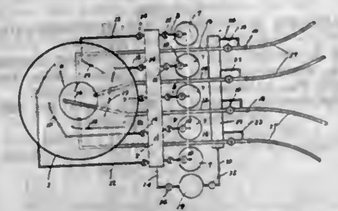
2,473,348
FISH STRINGER
George J. Sharps, Chicago, Ill., assignor to Pachner & Koller, Inc., Chicago, Ill., a corporation of Illinois
Application February 27, 1947, Serial No. 731,333
4 Claims. (Cl. 224—7.1)

4. A fish stringer, a series of stop rings anchored in spaced relationship to each other along the length of said stringer, said stop rings being successively larger from the top end of said stringer to the lower end thereof, a series of fish-retainer devices each slidably mounted on said stringer by a carrier ring, the diameters of said carrier rings being gradiently larger in diameter whereby selective carrier rings respectively will



be engaged in their downward movement on said stringer by selective atop rings.

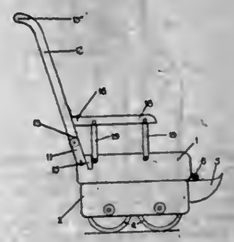
2,473,349
DRY CHEMICAL FIRE EXTINGUISHER
Ward E. Snowden, Modesto, Calif., assignor to Snowden Chemical Company, Modesto, Calif., a partnership
Application November 30, 1945, Serial No. 631,935
2 Claims. (Cl. 169—1)



2. A dry chemical fire extinguisher comprising a pressure tight reservoir for dry chemical, a plurality of high pressure gas supply cylinders, a manifold, separate valve controlled conduits leading from the cylinders to the manifold, other separate valve controlled conduits leading from the manifold to the reservoir, a plurality of outlet pipes leading from the reservoir, a hand valve in each of said outlet pipes, a fire hose coupled to each outlet pipe beyond the corresponding hand valve, another manifold, separate conduits leading from said other manifold to the outlet pipes between corresponding hand valves and fire hoses, a separate high pressure gas supply cylinder, a feed conduit leading from said separate cylinder to the first named manifold, and another feed conduit leading from said separate cylinder to said other manifold; there being a normally closed hand valve in each of the feed conduits.

2,473,350
FOLDING PUSH CHAIR
Bernard Clarence Walter Speckman, Auckland, Auckland, New Zealand
Application July 31, 1946, Serial No. 687,363
In New Zealand May 28, 1946
5 Claims. (Cl. 280—39)

1. A folding push chair comprising a seat portion, side portions hinged thereto and capable of being swung inwardly only, front and rear wheels mounted on said side portions, a pivoted foot rest adapted to serve as a spreader between said hinged side portions when all of the wheels are disposed for use, supporting bars pivoted to the seat portion, arm rests pivotally mounted on said supporting bars and adapted with the bars to fold on the seat portion, a back consisting of hinged together portions pivoted to said seat portion, the back being foldable partly around the seat portion to retain the hinged side portions with the wheels thereon and the pivoted foot rest in folded positions to provide with the foot rest means for carrying the folded chair, spring catch means adapted to act between said arm rests and said back, and stops on said seat portion cooperating with said spring catch means to hold the back and the arm rests in position when the chair is set up for use.



2,473,351
LOCKING DEVICE FOR TELESCOPIC CONNECTIONS
Luke Thompson, Downsview, Ontario, and David T. Wilson, Toronto, Ontario, Canada
Application October 15, 1948, Serial No. 54,788
In Canada December 24, 1947
7 Claims. (Cl. 248—191)

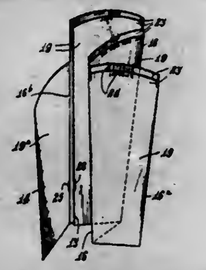


1. In combination a telescopic connection comprising an inner member, an outer member providing a passage in which the inner member slides, and an eccentric journalled on said inner member by an eccentric axis for turning from a concentric position to an eccentric position by angular movement of said inner member relative to said outer member, whereby the eccentric is caused to bind against a side of said passage and the inner member is caused to bind against the opposite side thereof to produce a locking action.

2,473,352
FOLDER
Sol M. Zimmerman, Detroit, Mich., assignor to Plastikpli Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application November 24, 1944, Serial No. 564,998
2 Claims. (Cl. 282—36)

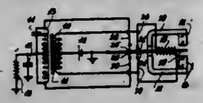
1. A folder comprising a sheet of material, a fold line inwardly of a side edge of said sheet de-

fining with said sheet a cover section, a second fold line in the remaining sheet portion substantially midway between the first named fold line and the other side edge of said portion along which said remaining portion of said sheet is adapted to be folded to provide a section of two thicknesses of material, a plurality of fold lines



in both of said thicknesses of material dividing said material into pages each having a width substantially equal to the width of the cover section, said pages being adapted to underlie the cover section when the folder is closed, and each of said pages being of such length relative to the cover or page disposed thereover so as to have an end margin exposed.

2,473,353
HIGH-FREQUENCY VIBRATOR MECHANISM
Robert J. Aust, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application July 3, 1944, Serial No. 543,255
7 Claims. (Cl. 171—97)



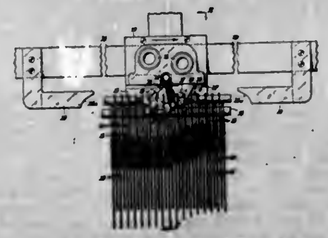
4. A vibratory interrupter comprising in combination a stack, a pair of frame plates clamped in said stack in parallel-spaced position, a pair of U-shaped permanent magnets mounted between said plates to have poles of opposite polarity facing each other defining a pair of magnetic gaps, a driver coil held between said magnets and having an axial opening therein aligned with said gaps, a ferromagnetic armature mounted for vibration in said stack and extending through said gaps and through the opening in said coil, a set of vibratory contacts on said armature, stationary interrupter and rectifier contacts cooperating with said vibratory contacts, one of said interrupter contacts being normally closed, stack-clamped springs for supporting said stationary contacts, connections between said coil, said interrupter contacts, a source of current and the primary winding of a transformer to alternately pass current of opposite direction through said coil and winding, and connections between the secondary winding of said transformer and the said rectifier contacts to rectify the alternating voltage induced in the said secondary winding.

2,473,354
DEVICE FOR TRANSMITTING AND RECEIVING COMPRESSIONAL WAVES
Hugo Benioff, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application November 20, 1942, Serial No. 466,535. Divided and this application January 10, 1948, Serial No. 1,851
6 Claims. (Cl. 177—386)



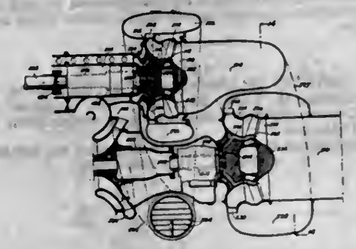
1. A device for transmitting and receiving compressional wave energy comprising a casing having a radiating member at one side thereof with the external surface in acoustic relationship with a sound-propagating medium and the interior surface shielded therefrom, said member having passive vibrating elements aligned at right angles to said member, and active resonant vibratory elements mounted at both ends of said passive vibrators.

2,473,355
SINKER ACTUATING MECHANISM FOR KNITTING MACHINES
Emil J. Berger and Howard K. West, Lansdale Pa., assignors to Dexdale Hosiery Mills, Lansdale, Pa., a corporation of Pennsylvania
Application January 3, 1948, Serial No. 406
3 Claims. (Cl. 66—110)



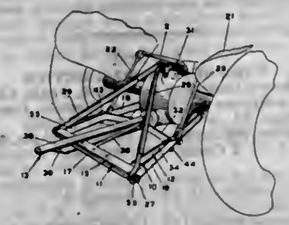
1. In sinker actuating mechanism for straight knitting machines, operating jacks individually associated with the sinkers; a reciprocating slur cock with receding cam surfaces complementally sloped relative to a center point for actuating the jacks to advance the sinkers; an element movably mounted on the slur cock and providing stop edges for respectively trailing the center point of the slur cock as the latter is traversed in opposite directions, to temporarily restrain one or more jacks in the wake of said center point and thereby prevent back slap of the corresponding sinkers, and fixed abutments respectively at opposite ends of the path of traverse of the slur cock adapted, by cooperation alternately with said element, to position it so that one of its stop surfaces trails the slur cock during traverse in one direction, and its other stop surface trails said cock during traverse in the other direction.

2,473,356
COMBUSTION GAS TURBINE ARRANGEMENT
Rudolph Birmann, Newtown, Pa., assignor, by mesne assignments, to Turbo Engineering Corporation, a corporation of Delaware
Application April 16, 1942, Serial No. 439,569
2 Claims. (Cl. 60—41)



1. In combination, a pair of turbines having independent shafts and rotating about parallel and closely adjacent axes, a compressor driven by, and coaxial with, one of said turbines, fuel burning means comprising a chamber in which products of combustion are formed and led to one of said turbines, means for leading gases discharged from one of said turbines to the other to drive the latter, and a passage for air from said compressor to said fuel burning means, said chamber being of scroll form and extending at least partially about both of said axes.

2,473,357
SWINGING DRAWBAR
Edward G. Blunier, Roanoke, Ill.
Application May 24, 1948, Serial No. 28,871
4 Claims. (Cl. 280—33.44)



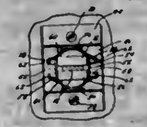
4. In an implement pulling adapter for removable support upon the hydraulic tool lift of a tractor, the combination comprising: a support bar; a U-shaped frame member having its free ends secured to opposite ends of said support bar; brace means between said support bar and said frame member; a swing bar pivotally supported at a point upon said frame member spaced forwardly from said support bar and substantially upon a perpendicular bisector of said support bar, said swing bar extending over and beyond said support bar; and means secured to said frame member slidably engaging said tool lift for preventing vertical movement with respect thereto.

2,473,358
CATHODE COATING FOR ELECTRON DISCHARGE DEVICES
Orlow S. Bright, Jr., Canton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application August 23, 1946, Serial No. 692,462
5 Claims. (Cl. 250—27.5)



3. A gaseous-discharge device, comprising an envelope containing a low-pressure gaseous atmosphere, an ionically-heated cathode and one other electrode mounted in said envelope, said cathode having an emissive coating thereon which comprises a mixture of approximately equal percentages of barium and strontium oxides and a substantial quantity of thorium oxide.

2,473,359
DOOR CHECK DEVICE
Robert L. Brown, Ferndale, Mich.
Application September 30, 1947, Serial No. 776,988
5 Claims. (Cl. 16—85)

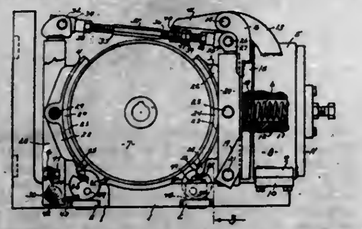


1. A striker plate for a door check, comprising a stamped sheet metal plate having an opening formed in the body portion thereon, a pair of oppositely disposed flanges bent from the body thereof adjacent the opening and extending at right angles to the plane of said body portion, a pair of oppositely disposed flanges in a plane at right angles to said first named flanges and at right angles to the plane of said body portion, notches in the end edges of said last named flanges, rollers journaled in the notches of said last named flanges, and compression spring means between each roller and the adjacent flange of said first named flanges.

2,473,360
BRAKE
Lynn S. Burgett, Bakersfield, Calif., assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio
Application November 28, 1945, Serial No. 631,332
12 Claims. (Cl. 188—75)

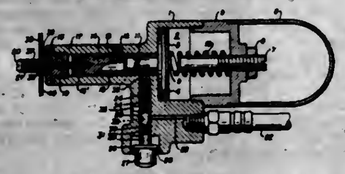
11. The combination with a brake drum of a brake shoe having an arcuate friction surface; a generally horizontal pivot support for the shoe; brake operating means to reciprocate the pivot support toward and from the drum to engage and disengage the friction surface with the drum; the pivot support being generally horizontal and behind the arcuate surface whereby the shoe tends to rock by gravity to engage an upper portion only of the arcuate surface with the drum when the shoe pivot is moved away from the drum; means to prevent said rocking of the shoe and to cause

all parts of the arcuate surface to move simultaneously toward and from the drum upon reciprocation of the shoe pivot, comprising: a device supported on a bearing having a bearing axis generally parallel to the shoe pivot axis and in radially spaced relation to the shoe pivot, and oscillatable to different positions on the bearing axis, and provided with friction means resisting oscillatory movements; the device provided with a guideway slot; a guide pin on the shoe and in the slot, the slot so formed and positioned that upon re-



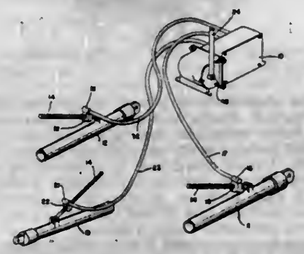
ciprocations of the shoe pivot toward and away from the drum, the pin engages one side of the slot and prevents said rocking of the shoe and concurrently slides along the said side of the slot; and upon reciprocation of the shoe pivot toward the drum to engage the arcuate surface with the drum, the pin may engage the other side of the slot and oscillate the device to a new position to reposition the slot in correspondence with wear on the arcuate surface and the corresponding change of position of the guide pin.

2,473,261
PNEUMATIC TOOL FOR UPSETTING HOLLOW RIVETS
Bert G. Carlson, Gates Mills, Ohio, assignor to The Bellows Company, Akron, Ohio, a corporation of Ohio
Application July 9, 1947, Serial No. 759,813
2 Claims. (Cl. 218—19)



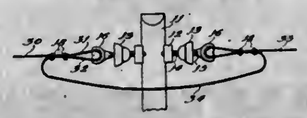
1. In a riveting tool for flaring the barrel portion of a hollow rivet having a preformed flared head to rivet two pieces of material together and which tool includes a spindle for carrying a rivet, manually controllable fluid pressure operated means for drawing the forward end of said spindle toward said means to radially flare said rivet barrel underneath the second of said two pieces of material and means for returning said spindle to normal position upon release of said fluid pressure operated means, said pressure operated means comprising a casing, a piston slidably mounted in a cylinder in said casing and having a stem extending forwardly thereof, said stem having a reduced portion with clearance in said housing to form an annular passage in communication with said cylinder on one side only of said piston, an inlet from a source of fluid pressure and an intermediate passage between said inlet and annular passage, an exhaust outlet leading from said intermediate passage, a valve in said intermediate passage and means for normally maintaining said valve in position to open communication from said intermediate passage to said exhaust outlet and close communication to said intermediate passage from said inlet, said valve being manually operable to close communication from said intermediate passage to said exhaust outlet and open communication to said intermediate passage and to said cylinder from said inlet.

2,473,262
MOTION TRANSMISSION MECHANISM
Sherman H. Cook, Ferguson, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application December 23, 1944, Serial No. 569,601
4 Claims. (Cl. 244—102)



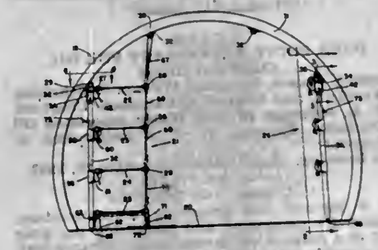
1. In an airplane, a landing gear actuating system which includes a mechanically operated jack for each of plural landing gears, a separate jack operating shaft for each landing gear, a rotatable drive element and a differential gearing connecting the drive element to each of said shafts, said differential gearing comprising at least one pair of gears coaxial with the drive element and each of which is operably connected to one of said shafts, and a gear meshed with said coaxial gears and mounted for free rotation on said drive element.

2,473,263
WIRE SUPPORTING DEVICE
John Brown Cook and Leonard L. Jugle, Chicago, Ill., assignors to Reliable Electric Company, Chicago, Ill., a corporation of Illinois
Application November 26, 1945, Serial No. 630,857
1 Claim. (Cl. 287—81)



A thimble for dead ending aluminum wire comprising two aluminum plates having contacting central portions, and offset marginal portions which cooperate with each other to form a curved groove, a series of rivets passing through said central portions and securing them to each other, said rivets being spaced adjacent the bottom of the groove formed by said marginal portions, and said plates being shaped so that each of said marginal portions is provided with an extension, said extensions being oppositely disposed and providing supporting arms for said thimble.

2,473,364
LITTER INSTALLATION FOR VEHICLES
Ernest G. Dickinson, Olcott, and John C. Parkin, Buffalo, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application March 15, 1945, Serial No. 582,974
4 Claims. (Cl. 5—9)



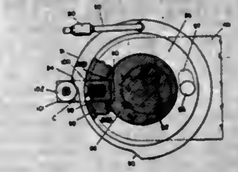
1. In a demountable litter installation for vehicles, a pair of support members attached to a wall of said vehicle, a connecting member pivotally attached to each said support member, a stanchion slidably connected to each said connecting member, said pivotal attachment of each said connecting member permitting swinging of its associated stanchion from a substantially vertical position to a substantially horizontal position adjacent to and substantially parallel to the other stanchion when the latter is correspondingly swung, a plurality of fittings adapted for supporting the ends of litter poles, said fittings being attached to said stanchions at spaced intervals, a first pair of sockets mounted on the floor of said vehicle, a second pair of sockets mounted one each on each said stanchion, a pair of socket engaging members on the lower ends of said stanchions adapted to engage said first pair of sockets in substantially vertical position and said second pair of sockets in substantially horizontal position of said stanchions, and means for selectively locking said stanchions against sliding movement with respect to said connecting members in either socket engaging position.

2,473,365
SEAT
Keith L. Emberson, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application August 6, 1946, Serial No. 688,639
9 Claims. (Cl. 155—179)



1. In a seat, a base member, an open centered substantially triangular bracket member secured to said base member, said bracket member being formed from an integral sheet the ends of which are bent to extend upwardly and outwardly beyond the apex of the bracket to form two superimposed positioning arms, a flat spring member secured to the lower of said positioning arms and extending therefrom outwardly and upwardly of said bracket member, and a lever arm having a plurality of reenforcing corrugations formed therein secured to the upper surface of said spring member and projecting therefrom immediately under and normally flush against the undersurface of said upper positioning arm, said lever arm extending upwardly and outwardly from said bracket member and being adapted to be connected to a load receiving member of the seat whereby said lever arm will be moved downwardly by load applied to the seat but will be retained against unlimited upward movement by the upper of said positioning arms.

2,473,366
DIE CASTING MACHINE
John Galliano, Oakland, Calif., assignor to Galliano Manufacturing Co., Oakland, Calif., a copartnership
Application April 9, 1945, Serial No. 587,285
5 Claims. (Cl. 22—92)

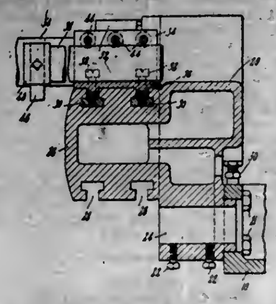


5. In a die casting machine, the combination comprising a stationary die block, a movable die block, means to support the movable die block for movement toward and away from the stationary die block, a drive shaft, a second shaft rigidly mounted on said drive shaft and arranged eccentrically to the axis of rotation of said drive shaft, an actuating member mounted on said second shaft, a clutch connecting the actuating member to one of said shafts during rotation of the drive shaft over one portion of its angular movement, said second shaft laterally moving the actuating member during rotation of the drive shaft over another portion of its angular movement, link means connecting the actuating member and the movable die block to move the movable die block during swinging movement of the actuating member, means effective to limit swinging movement of the actuating member, and a face on the actuating member contacting the movable die block to move the movable die block during lateral movement of the actuating member.

2,473,367
MULTIPLE TURNING HEAD
Leif Fersing, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application November 15, 1944, Serial No. 563,602
2 Claims. (Cl. 29—57)

1. A turning head adapted to be mounted on a lathe, said head having a non-rotatable drum,

means for securing said head to a lathe with the axis of said drum parallel to the spindle axis



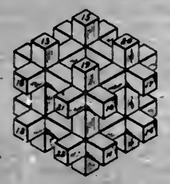
of the lathe, said drum having circumferential slots in its periphery to receive tool holder clamps.

2,473,368
SUPPOSITORY
Gerhard Flintermann, Philadelphia, Pa.
Application February 25, 1944, Serial No. 523,793
4 Claims. (Cl. 128—271)



1. A composite suppository comprising an elongated solid portion of material that melts at body temperature having a cup shaped recess in at least one end thereof, and a dissolvable capsule adapted to be movably seated within said recess in close engagement with said solid portion, whereby said elongated portion acts both as an applicator for said capsule and as a functional meltable portion of the composite suppository which is isolated from the contents of the capsule prior to use.

2,473,369
THREE-DIMENSIONAL PUZZLE
Arthur Harris, Brooklyn, N. Y.
Application November 18, 1947, Serial No. 786,635
3 Claims. (Cl. 273—160)

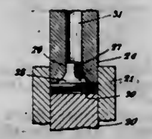


1. A puzzle comprising four vertical members, four horizontal members, and four members transverse to the horizontal members interlocking to form a symmetrical, self-sustaining unit, each of said members having two recessed portions shaped to interlock with the recessed portions of two other members, two of said members having cylindrical elements in both recessed portions and four of said elements each having a cylindrical element in one of the two recessed portions to allow rotation of the six last-named members relative to members engaged therewith.

2,473,370
POUR POINT DEPRESSANT FOR OIL COMPOSITIONS
Russell J. Hawes, Cranford, William F. Behrman, Westfield, and Charles A. Campbell, Cranford, N. J., assignors to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application September 25, 1947, Serial No. 776,148
15 Claims. (Cl. 196—151)

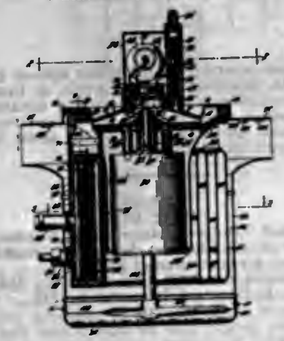
1. A method for preparing a composition, adapted for depressing and stabilizing the pour point of a mineral oil having an undesirably high and unstable pour point, from a solid subdivided adsorbent containing color-imparting carbonaceous bodies adsorbed from a fraction obtained by fractional distillation without substantial cracking, of a mineral oil, which comprises (*a*) extracting from said adsorbent color bodies adsorbed from said oil which are readily displaceable from said adsorbent by purging said adsorbent with steam but not substantially removable from said adsorbent by non-aromatic naphtha and (*b*) substantially cracking the extract thus obtained to obtain residuum effective as a pour point depressant and pour point stabilizer when incorporated in a minor proportional amount by weight in a mineral oil having an undesirably high and unstable pour point.

2,473,371
METHOD OF MAKING CONTACTS
Robert C. Heath, Willis R. Howe, and Walter E. King, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application December 29, 1945, Serial No. 637,996
8 Claims. (Cl. 29—155.55)



6. A method for making a contact having a precious metal face which comprises positioning the face of a bimetallic contact blank upon a die, applying a hollow bell-mouthed forming tool to the rear of said blank to extrude an embryo shank having an enlarged fillet-shaped base portion adjacent the rear face of the contact blank merging into a cylindrical end portion, the metal flowing from both the central and peripheral regions of blank into the interior of said forming tool whereby the metal adjacent said contact face flows away from the die, and pressing a second forming tool against the elongated embryo shank, the fillet-shaped portion, and the rear of the blank to cause the metal to flow toward the die and form a finished contact having a flat face formed of precious metal.

2,473,372
UNIT TYPE AIRPLANE HEATER
Frederic O. Hess, Philadelphia, Lawrence F. Miller, Hatboro, and Karl L. Dietrich, Jr., Philadelphia, Pa., assignors to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application June 20, 1944, Serial No. 541,258
7 Claims. (Cl. 126—110)



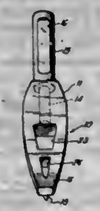
1. A heater comprising structure including a blower adapted to supply a combustible fuel mixture under pressure, said blower comprising a pair of removably secured opposing wall members providing an inner chamber having an inlet and an outer annular diffusing chamber immediately adjacent to and communicating with the inner chamber substantially about the entire periphery thereof, a rotatable impeller in the inner chamber, the outer annular chamber having an outlet for discharging combustible fuel mixture therefrom under pressure, a burner unit, means for removably securing said burner unit to one of said wall members to receive the combustible fuel mixture adapted to be discharged from the outlet of the outer annular chamber, a hollow heat dissipating element connected to receive heated gases from the burner unit and through which such gases are adapted to pass, means including a fan for circulating air to be heated in heat exchange relation with the hollow element, and means including a motor removably secured to said one of said wall members for driving the impeller and the fan.

2,473,373
BOLT HEAD AND EXTRACTOR FOR FIREARMS
John D. Howell, Westport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application January 30, 1946, Serial No. 644,207
7 Claims. (Cl. 42—25)



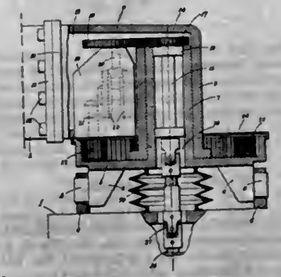
6. In a firearm for use with extractible rigidly cased cartridges, the combination of a breech bolt having a forwardly facing cartridge head engaging surface, cartridge extracting and ejecting means mounted in said breech bolt, and a continuous annular collar integral with said breech bolt and extending forwardly therefrom to form a continuous wall circumferentially surrounding said head engaging surface and said extracting and ejecting means.

2,473,374
PHONOGRAPH NEEDLE
William H. Hutter, Chicago, Ill.
Application April 26, 1945, Serial No. 590,329
1 Claim. (Cl. 274—38)



A phonograph needle formed from an organic plastic material having comparatively low stiffness and mass comprising a shank portion and a lower portion, said lower portion being curved forwardly, the width of said shank portion being greater than the thickness thereof in order to provide greater stiffness in a lateral direction than in a vertical direction, a stiffening member received in only the upper part of said shank portion to provide a localized stiffness, and a record engaging point mounted in the end of said curved lower portion, said curved lower portion being provided with an aperture passing through the needle in the direction of its thickness to offset the increase in generalized mass effected by the greater width of the needle, and by the stiffening member, the major part of that portion of the needle which is formed from organic plastic material being free from the stiffening effect provided by said stiffening member.

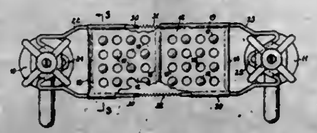
2,473,375
DOUBLE UNIVERSAL CONNECTION FOR VEHICLE COUPLING AND STEERING DEVICES
John H. Hyler, North Pekin, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Original application June 29, 1945, Serial No. 602,184. Divided and this application September 30, 1948, Serial No. 52,066
4 Claims. (Cl. 180—79.4)



1. A tractor-trailer draft coupling and power steering device comprising a pair of cooperating

members secured together for relative rotation about an upstanding axis, means adapted to connect one member in fixed relation to the trailer, means adapted to connect the other member to the tractor for unitary lateral tilting of said members relative to said tractor about a longitudinally extending axis, and driving mechanism, including a universal connection, arranged to cause relative rotation between said unitary members regardless of the lateral tilt thereof relative to the tractor; the universal connection including vertically spaced universal joints disposed above and below, but in substantially the vertical plane of, the axis of tilting movement of said members, and means connecting said joints.

2,473,376
SOAP TRAY
Laurie B. King, Greensboro, N. C.
Application May 15, 1946, Serial No. 669,873
4 Claims. (Cl. 45—28)



1. A soap receptacle comprising a tray for supporting a cake of soap, said tray having tubular channels in each side thereof, a slidable U-shaped member for each end of the tray and having its legs mounted in the ends of the channels and each U-shaped member having a recess in its outer end adapted to fit against a spigot of a lavatory and the like, compression springs disposed at said channels between the proximate ends of the slidable members for urging the slidable members outwardly against the spigots to support the soap receptacle.

2,473,377
GROUND WIRE SYSTEM
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 2, 1946, Serial No. 700,696
10 Claims. (Cl. 250—33)



1. A ground wire system for a broadcast antenna array having antennas, including a plurality of conductors plowed into the ground and radiating from the base of each antenna of the array, said system of conductors following paths in which the current would tend to flow if the ground were perfectly conducting, said paths being non-intersecting except at the base of each antenna.

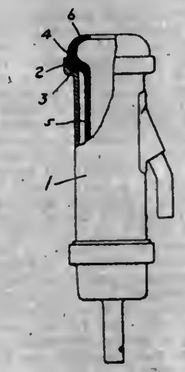
2,473,378
ELECTRIC CONVULSIVE THERAPY
Wladimir Theodore Liberson, Hartford, Conn.
Application March 16, 1946, Serial No. 654,882
4 Claims. (Cl. 128—421)

4. The method of electric convulsive shock therapy which consists in applying electrodes to the head of a patient, in transmitting through the electrodes and through the intact skull and the brain of the patient a series of electrical impulses having peak amperages within the range of 150 to 1000 milliamperes which said impulses have a frequency of 60 or more per second with



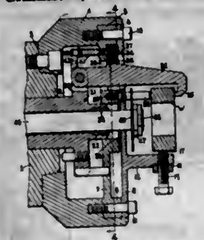
the impulses arranged in closely spaced groups and with relatively long intervals of time between successive groups, the mean duration of the impulses of each group being less than one millisecond, and in continuing the series of impulses until convulsion is elicited.

2,473,379
TEAT CUP
Hans Olof Lindgren, Appelviken, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden
Application March 30, 1945, Serial No. 585,769
In Denmark December 9, 1943
1 Claim. (Cl. 21—85)



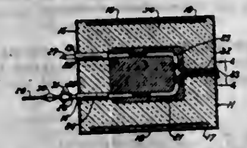
In a teat cup for milking machines, the combination, with a rigid shell having a cylindrical main portion and a larger cylindrical extension joined to the main portion by an annulus the upper face of which is of a width substantially greater than the thickness of the shell body and substantially greater than the thickness of the body of the below-specified liner, of a flexible liner having an approximately cylindrical body portion of a diameter substantially smaller than that of the main portion of the shell and a relatively thick annular portion the inner part of which is spaced from said annular portion of the shell and the outer part of which extends above the annulus of the shell inside the cylindrical extension and thence upward and inward substantially above the upper edge of said cylindrical extension to a diameter approaching that of the body portion, the relatively thick annular portion of the liner having along its bottom and along its outer wall a tight contacting fit with the annulus and larger cylindrical extension of the shell.

2,473,380
COMBINATION DIAPHRAGM AND CLAMP CHUCK
Thor H. Ljunggren and Glenn M. Green, Springfield, Vt., assignors to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application April 10, 1947, Serial No. 740,642
7 Claims. (Cl. 279—46)



7. In combination, a hollow spindle having a nose, a chuck comprising a body for securement to said nose, a diaphragm carried by said body and having forwardly projecting work-engaging fingers arranged in circular series, stops carried by said chuck back of said fingers and against which a work piece positioned between and gripped by said fingers may engage, releasable means engageable with the forward end of said work piece and actuable to hold the work piece back against said stops, and a plug gage movable through said hollow spindle and having a gage part for entering a central hole in the work piece when said hole reaches a predetermined size.

2,473,381
HEAT-TREAT FURNACE
Clifford Mennica, Detroit, Mich.
Application May 8, 1946, Serial No. 668,242
3 Claims. (Cl. 263—42)



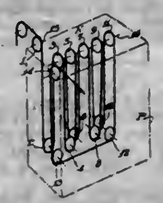
1. A radiant heated furnace comprising a hollow housing, a heat treatment receptacle mounted within said housing in spaced relation, there being a hollow continuous U-shaped combustion channel formed within the base portion of said receptacle, a combustible mixture intake pipe joined to one end of said channel, and an exhaust pipe joined to its other end, said pipes projecting through openings formed within one of the walls of said housing and a pilot tube extending from and joined centrally to said combustion channel through which an ignition source may be introduced.

2,473,382
APPARATUS FOR TREATING MOTION-PICTURE FILM
Emery Meschter, Towanda, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 24, 1947, Serial No. 793,615
2 Claims. (Cl. 271—2.3)

1. A unit film guiding mechanism for conducting continuous lengths of motion picture film through processing solutions comprising an idler film guiding spool and a film drive sprocket disposed on spaced parallel horisontal axes and having the median lines of their peripheral film guiding surfaces in alignment, an odd number N series of freely revolvable film guiding spools, laterally disposed on a common horisontal axis which is parallel to, between and below the axes of said sprocket and idler film guiding spool, a second series of freely revolving film guiding spools

$$\frac{(N+1)}{2}$$

in number, on individual axes parallel to each other and perpendicular to and on a level lower than said first N series and disposed with the median lines of their film guiding surfaces in a vertical plane passing between the idler film guiding spool and the nearest peripheral surfaces of the N series of spools, said individual horizontal axes being located in vertical planes passing between the idler film guiding spool and the first of the N spools and between the next even



and odd numbered successive N spools respectively, and a third series of film guiding spools

$$\frac{(N+1)}{2}+1$$

in number all disposed in a vertical plane passing between the drive sprocket on the nearest peripheral faces of the N spools on the common axis, the first and last of the spools being disposed on horizontal axes which are extensions of those of the first and last of the above mentioned

$$\frac{(N+1)}{2}$$

spools and the remainder being disposed on horizontal axes parallel to those of the

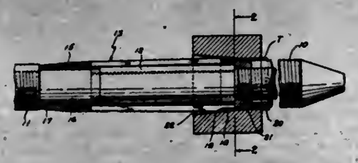
$$\frac{(N+1)}{2}$$

spools and on a higher level, said axes being located in vertical planes between the odd and even numbered successive N spools respectively, the second and third series of spools being mounted on a vertical movable frame.

2,473,383
TUBE SIZING MACHINE
Lester H. Messinger, Trumbull, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application September 16, 1946, Serial No. 697,747
1 Claim. (Cl. 82—83)

Apparatus for the sizing of tubes comprising a sizing die having a tapered throat; an arbor adapted to receive thereon a tube to be sized and

to be reciprocated to thrust a tube thereon through said die; a support for said arbor comprising an elongated member secured to one end of said arbor; and an abutment device for a tube impaled on said arbor comprising a sleeve member surrounding and secured to said elongated member, said sleeve member being slotted from one end to form a plurality of spring fingers



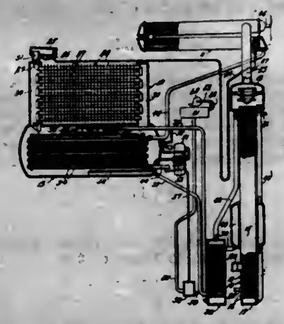
biased radially outwardly and adapted for endwise engagement with a tube on said arbor, said fingers being also adapted for radial inward displacement by direct engagement with the tapered throat of said die whereby the tube engaging ends of said fingers may be thrust through said die from the throat end thereof and retracted through said die to normal position.

2,473,384

APPARATUS FOR AND METHOD OF RETURNING PURGED INERT GAS TO AN ABSORPTION REFRIGERATING SYSTEM

Lowell McNeely, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application January 13, 1948, Serial No. 2,039
8 Claims. (Cl. 62—119)



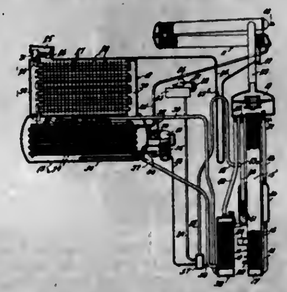
1. An absorption refrigerating system including a high and a low-pressure side, means for collecting non-condensable gas in the low-pressure side of the system, means for entraining at least a portion of the collected non-condensable gas into absorption solution in the low-pressure side of the system, means for withdrawing from the low-pressure side of the system any collected non-condensable gas beyond that entrained in the absorption solution, and a gas trap for storing the withdrawn non-condensable gas during on periods of operation of the system, said gas trap and said withdrawing means being so connected and arranged as to return the stored non-condensable gas to the low-pressure side of the system during off periods of operation.

2,473,385

ABSORPTION REFRIGERATION METHOD AND SYSTEM HAVING PROVISION FOR THE RETURN OF PURGED GAS

Eugene P. Whitlow, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application January 13, 1948, Serial No. 2,095
17 Claims. (Cl. 62—119)



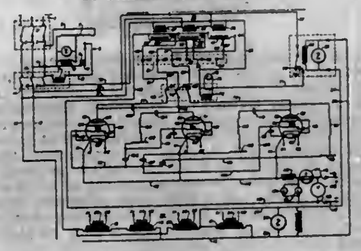
1. An absorption refrigerating system including a high and a low-pressure side, means for collecting non-condensable gas in the low-pressure side of the system, means for entraining at least a portion of the collected non-condensable gas into absorption solution in the low-pressure side of the system, means for withdrawing from the low-pressure side of the system any collected non-condensable gas beyond that entrained in the absorption solution, and a gas trap for storing the withdrawn non-condensable gas during on periods of operation of the system, said gas trap being provided with means forming a liquid seal for retaining the non-condensable gas therein during on periods of operation of the system, and means for draining said liquid seal during off periods of operation of the system.

2,473,386

GRID CONTROLLED POLYPHASE RECTIFIER

Felix A. Obley, Garfield Heights, Ohio

Application July 24, 1947, Serial No. 763,218
10 Claims. (Cl. 321—11)



1. A polyphase grid controlled rectifier for supplying a self regulated D. C. output voltage, comprising time delay means for controlling the flow of current through said rectifier, rectifying tubes each including a control grid for changing an A. C. input to a D. C. output, means associated with said time delay means to prevent current flow from the tubes until said tubes have been predeterminedly heated, and means for instantaneously varying the effective grid current

of ionization in each tube through its control grid in response to varying load conditions to obtain a D. C. output voltage at a preadjusted constant level.

2,473,387

ANTI-ICING MEANS FOR AIRCRAFT

Elwyn H. Peters, Lloyd F. Engelhardt, and James L. Brierton, Columbus, Ohio, assignors to Curtiss-Wright Corporation, a corporation of Delaware

Application May 28, 1947, Serial No. 750,968
8 Claims. (Cl. 244—134)



8. An airfoil having spaced inner and outer walls at the leading edge thereof, the inner wall having spaced inwardly directed flanges providing a slot communicating with the space between said walls, a duct having spaced inwardly directed flanges providing a slot extending longitudinally of the duct, the duct flanges and the inner wall flanges being provided with interlocking formations whereby the duct flanges nest in interlocking relation within the inner wall flanges, and means bridging said slot for holding said interlocking formations engaged, said bridging means providing spaced openings along the slot for passing fluid.

2,473,388

TUBING COUPLER

Ingar G. Rambo, Wauwatosa, Wis., assignor to Safway Steel Products Inc., Milwaukee, Wis., a corporation of Wisconsin

Application March 8, 1945, Serial No. 581,597
12 Claims. (Cl. 287—103)



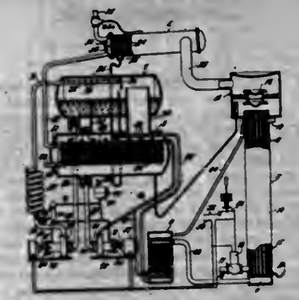
9. The combination with cylindrical tubes fitting one within the other of coupling means releasable upon rotation of the tubes with respect to each other, said means comprising a latch pivotally carried by said one tube, said other tube having a slot, resilient means associated with the latch to project the latch into said slot, and inclined plane means acting between the slot and latch to move the latch inwardly out of the slot in response to rotation of one tube with respect to the other.

2,473,389

LOW-PRESSURE ABSORPTION REFRIGERATING SYSTEM

John G. Reid, Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application January 2, 1947, Serial No. 719,871
6 Claims. (Cl. 62—119)



1. In a vacuum type refrigeration system having a plurality of interconnected elements to provide a circuit for refrigerant, a pump for circulating liquid in said system and so constructed and arranged as to deliver the liquid at a pressure greater than atmospheric pressure, said pump having a shaft extending out of said system and a housing surrounding the shaft, connecting means for supplying liquid delivered from said pump to said shaft housing, control mechanism for operating the pump periodically, and structure in said connecting means comprising a check valve for maintaining the liquid in said shaft housing at a pressure greater than the atmospheric pressure between periods of operation whereby to seal the shaft to prevent air from entering the system.

2,473,390

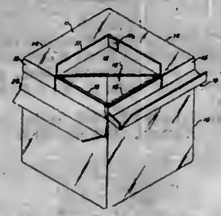
BUTADIENE EMULSION POLYMERIZATION PROCESS, INCLUDING MERCAPTAN AND CYANIDE MODIFIERS

Harold J. Rose and Marian Kabler Rowan, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application August 26, 1944, Serial No. 551,424
4 Claims. (Cl. 260—84.5)

4. The process of preparing rubber-like emulsion polymerizates which comprises emulsifying one part of a mixture of a major proportion of butadiene-1,3 and a minor proportion of acrylonitrile in 1½ to 2 parts of water in the presence of 0.5 to 5.0 weight percent based on the monomers of an alkali soap of a fatty acid, 0.05 to 0.6 weight percent based on the monomers of an oxygen-liberating polymerization catalyst and 0.2 to 1.0 weight percent based on the monomers of an aliphatic mercaptan polymerization modifier containing from 6 to 16 carbon atoms per molecule, and adding thereto 0.005 weight percent based on the monomers of cyanide ion in the form of potassium cyanide.

2,473,391
CONTAINER
Walter A. Roselle, New York, N. Y.
Application October 23, 1946, Serial No. 705,131
7 Claims. (Cl. 229—7)



1. A container formed of paper and comprising a body portion of angular cross-sectional shape and a top portion having flanges overlapping at least two adjacent side edges of the body, said top being scored across the corner intervening said side edges to form a closure and said flanges being interrupted at the ends of said scores to facilitate hinging of the corner of the top along the scored line, and sealing strips secured to the outer edges of the body portion along said adjacent side edges beneath said flanges and extending around the outside of said flanges and covering the interrupted portions of said flanges and extending over the outer edges of the corner of the top portion and sealing the outer edges of the flanges along said adjacent sides of the top portion, said extended portions of said strips being detachably sealed to the outer surfaces of the top portion.

2,473,392
DRILLING MUD CONTAINING GELATINIZED STARCH AND MONOETHANOL AMMONIUM 2-BENZOTHIAZYL SULFIDE
William F. Russell, Norwalk, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 11, 1947, Serial No. 740,976
4 Claims. (Cl. 252—8.5)

1. Gelatinized starch containing about 2%–4% by weight on the starch of monoethanol ammonium 2-benzothiazyl sulfide.

2,473,393
LADY'S SLIP
Emma H. Schwalbe, New York, N. Y.
Application March 12, 1947, Serial No. 734,629
1 Claim. (Cl. 2—73)



A form fitting slip comprising a skirt, a bust supporting panel, a bust encompassing panel and a back panel, said skirt being formed of a single piece of material and having a single vertically extending seam securing the side edges of said material together at the back of said skirt, said seam extending from the lower edge of said skirt to the upper edge thereof, said upper edge on each side of said vertical seam being curved sinuously upwardly and reaching its highest point on the front vertical center line of said skirt, said bust supporting panel extending from side to side of said slip across the front of said slip, said bust supporting panel having an inverted V-shaped configuration with its apex aligned with the highest point of said skirt and having parallel top and bottom edges, respectively, said bottom edge complementing the upper edge of said skirt at the front thereof, and means securing said bottom edge of said bust supporting panel to said upper edge of said skirt, said bust encompassing panel extending across the front of said slip from each side thereof, said bust encompassing panel having a curved lower edge of an inverted V-shape with the apex thereof disposed substantially on the vertical center line of said bust encompassing panel, said bust encompassing panel having a pair of oppositely disposed side edges diverging upwardly from said bottom edge and an upper edge converging upwardly and inwardly from each of said side edges and then downwardly, junctioning on said vertical center line, said lower edge of said bust encompassing panel complementing and being secured to the upper edge of said bust supporting panel, said back panel extending from side to side across the back of said slip and having its side edges secured to the side edges of said bust supporting and bust encompassing panels, said back panel having a substantially straight line upper edge, the lower edge thereof being substantially V-shaped, complementing the upper edge of said skirt at the back thereof and being secured thereto.

2,473,394
SAFETY HEADGEAR FOR PEDESTRIANS AND WORKMEN
Clarence W. Scott, Chicago, Ill.
Application March 6, 1948, Serial No. 13,446
5 Claims. (Cl. 177—329)



2. A safety hat for workers, pedestrians and the like comprising, a skull cap, a helmet pivotally secured to the said skull cap on its transverse axis, adjustable catch means retaining the said helmet in adjustable relationship to the said skull cap, light means secured to the said helmet at its interior central portion, battery means securable to a belt worn by a person, switch means, electrical connecting means interconnecting the said switch means to the said light means and the said battery means at an intermediate point, and varicolored visual signal means secured at front rear and sides of the said helmet diffusing rays of light, and reflector means interiorly of the said helmet and rearwardly of the said light means to concentrate and direct the rays of light toward the said visual signal means.

2,473,396
HOPS TREATMENT
George Segal, Great Neck, N. Y.
No Drawing. Application December 30, 1944, Serial No. 570,761
7 Claims. (Cl. 99—50.5)

1. The method of treating hops which consists of freezing the hops while they still retain substantially their fresh aroma, the temperature being depressed through the temperature of about 30° F. at a rate not substantially greater than about 1° F. per hour, then holding the hops in frozen state for a storage period, then thawing the hops, and thereafter drying the hops.

2,473,396
REINFORCED PLASTIC TOOTH
Sidney Slavin, Brooklyn, N. Y.
Application April 10, 1946, Serial No. 660,916
4 Claims. (Cl. 32—9)



1. A reinforced artificial tooth, comprising a plastic body having a recess for receiving the pin of a backing plate, a substantially hairpin-shaped, resilient reinforcement provided along the edges of the recess and about its closed end, said reinforcement being imbedded in and covered, substantially by the tooth material.

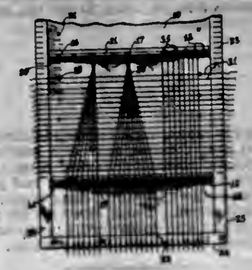
2,473,397
RETARDING MECHANISM
Harry Slavin, Detroit, Mich.
Application April 30, 1946, Serial No. 666,844
11 Claims. (Cl. 244—116)



1. In combination with a runway over which a vehicle is adapted to travel, a pair of posts each located on a side of the runway opposite to the other and mounted for bodily translational movement in upright position parallel to the runway, a barrier adapted to be supported by said pair of posts over the runway for engagement by a vehicle traveling therealong, and means for yieldingly resisting movement of the posts in one direction of their movement.

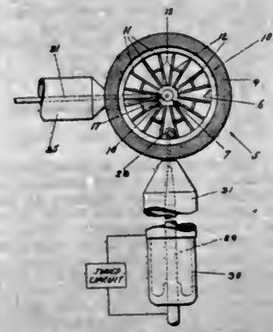
2,473,398
DEVICE ON WHICH TO FORM MINIATURE LADDERS, ETC.
Frank Spano, Union City, N. J.
Application March 28, 1946, Serial No. 657,776
9 Claims. (Cl. 28—16)

1. A form for the construction of miniature ladders consisting of a base having raised bridges for supporting substantially longitudinal threads, a slitted resilient abutment for frictionally anchoring the ends of threads supported



on said bridges and fixed slitted resilient side strips for anchoring the ends of cross threads supported on the substantially longitudinal threads.

2,473,399
ELECTRON DISCHARGE DEVICE OF THE MAGNETRON TYPE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 27, 1945, Serial No. 585,025
12 Claims. (Cl. 315—40)



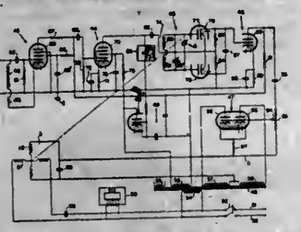
1. An electron-discharge device comprising: an anode structure provided with a plurality of anode members; at least one pair of said anode members, together with at least a portion of the anode structure lying therebetween, being electrically effective to constitute a first, shorted transmission line of predetermined dimensions adapted to resonate at a first, predetermined wave length; a low-impedance member connecting at least one pair of said anode members at points intermediate the length thereof; a portion of each of said connected anode members, together with said low-impedance member, being electrically effective to constitute a second, shorted transmission line of different dimensions than said first-named transmission line and adapted to resonate at a second, predetermined wave length; and an output circuit, tuned to the average of the resonant wave lengths of said first and second transmission lines, coupled to at least one of said transmission lines.

2,473,400
MOLDING CLIP
David H. Waara, Detroit, Mich., assignor to Robert L. Brown, Ferndale, Mich.
Application July 17, 1946, Serial No. 684,222
3 Claims. (Cl. 24—73)



1. A clip for mounting a hollow molding having spaced inturned flanges, said clip comprising a channel shaped stamping having a central base portion and downwardly projecting end portions, upwardly and outwardly projecting arms stamped from the bottom wall of said downwardly projecting end portions, and downwardly projecting arms stamped from the central base portion.

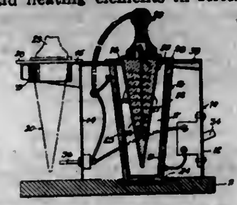
2,473,401
SENSITIVITY EQUALIZING CIRCUIT FOR CONTROL APPARATUS
Rudolf F. Wild, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 6, 1945, Serial No. 620,831
14 Claims. (Cl. 318—28)



14. In a follow-up system, a variable frequency signal producing device which produces for the same adjustment different changes in the frequency of said signal over the range of adjustment, and a frequency responsive device responsive to the frequency of said signal, said frequency responsive device including electrical circuit means having a first portion tuned to a frequency outside of said range of adjustment and having a second portion coupled to said first portion and tunable over said range of adjustment to compensate for the difference in the frequency change of said signal over the range of adjustment of said signal producing device to maintain a substantially constant system sensitivity.

2,473,402
ELECTRIC BAKING MOLD
Milton E. Wood, Staten Island, N. Y.
Application June 8, 1948, Serial No. 31,656
1 Claim. (Cl. 219—19)

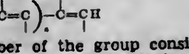
A baking mold including a plurality of cup shaped elements defining batter receiving cavities, a base on said mold, a heating element surrounding the outer wall of said cavities and supported by said base whereby by removing the base said heating element may be replaced, male elements adapted to be suspended in said cavities in spaced relation to the cavity walls, said male elements being conically shaped and having heating elements, means for locking said male elements in said cavities and electrical means connecting said heating elements in series relation



whereby when food batter is placed in said cavities an edible food cup will be formed.

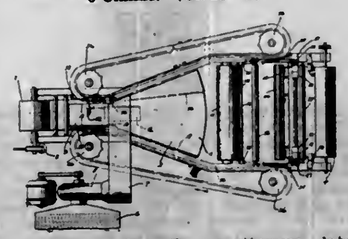
2,473,403
HYDROPHILIC DYE INTERMEDIATES
David Willcox Woodward, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 8, 1945, Serial No. 576,906
7 Claims. (Cl. 260—87.3)

1. A color former consisting of a hydrophilic ether of a hydrolyzed aliphatic mono-olefin/vinyl ester interpolymer having a plurality of color former nuclei each nucleus being attached to the chain atoms of said interpolymer through a $-CH_2-O-$ linkage, said nuclei possessing a structure of the formula:



where X is a member of the group consisting of HO— and primary and secondary amino radicals and n is a number from the group consisting of 0 and 1, said olefin being an aliphatic terminally unsaturated mono-olefin of less than five carbon atoms.

2,473,404
APPARATUS FOR STRETCHING
Foster J. Young, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Original application July 25, 1940, Serial No. 347,465. Divided and this application August 17, 1946, Serial No. 691,371
6 Claims. (Cl. 18—1)



1. Apparatus for the continuous lateral stretching of film which comprises an oven for heating the film, the oven being in two parts which are separated from one another a sufficient distance for the film to pass between them, opposed openings in the respective parts adapted to act on the opposite sides of film located between the two parts, and on each side of the space between the two parts continuous gripping means for holding the film taut as it passes through the oven.

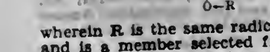
2,473,405
DELAY ELECTRIC INITIATOR
David T. Zebree, Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application January 24, 1945, Serial No. 574,349
11 Claims. (Cl. 102—28)



9. A delay electric blasting initiator comprising a shell, a delay fuse element, a plug, lead wires inserted therethrough, the terminal ends of said lead wires projecting from the lower face of the plug, and a bridge wire affixed to the terminal ends of the lead wires and embedded in an ignition composition bead comprising, by weight, between about 18% and about 50% primary explosive, between about 16% and about 55% oxidizing material, between about 10% and about 64% flash-producing metal, and between about 2% and about 12% binding agent, said bead disposed less than about $\frac{1}{16}$ inch above the upper face of the fuse element, said initiator having a relatively small air space between the plug, and the bead being in close proximity to said plug and said delay fuse element.

2,473,406
DIOL COMPOUNDS AND ESTERS THEREOF
Carl N. Zellner, New Providence, and Herbert B. Granholm, Westfield, N. J., assignors to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application October 17, 1946, Serial No. 703,722
4 Claims. (Cl. 260—488)

1. A compound corresponding to the formula:



wherein R is the same radical in both instances and is a member selected from the group consisting of hydrogen and an acyl radical.

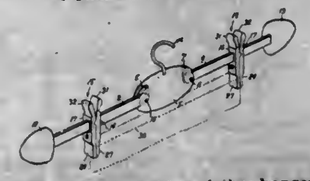
2,473,407
DISK SUPPORTING JIG WHILE TREATING THE EDGE OF THE DISK
Clifford E. Adams, Wakita, Okla.
Application May 2, 1947, Serial No. 745,669
1 Claim. (Cl. 91—60)

A jig of the class described, comprising a main hollow vertical post, including a telescoping section adjustably secured within the hollow post, a plate secured to the telescoping section at the upper end thereof, the side faces of the plate being parallel with the side of the telescoping section, a tubular bearing, a plate secured to the side of the tubular bearing and resting against the first-mentioned plate, a bolt extending through the plates adjustably securing the tubular bearing to the telescoping section of the main post, a shaft operating within the tubular bearing, a disc holder secured to one end of



the shaft to rotate therewith and on which a disc to be treated is held, a power shaft embodying telescoping sections, means for securing the telescoping sections of the shaft in their positions of adjustment with respect to each other, a universal connection between the power shaft and first mentioned shaft for rotating the first mentioned shaft, and reduction gearing for operating the shafts.

2,473,408
CLOTHES HANGER
Gerald Thompson Aikin, Kiama, New South Wales, Australia
Application March 22, 1947, Serial No. 736,541
In Australia March 13, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 13, 1966
3 Claims. (Cl. 223—96)



1. The combination with a clothes hanger provided with a pair of arms, of a pair of garment-supporting clips, one for each said arms, said clips being slidable on their respective arms and comprising each a pair of jaws arranged with the opening between the jaws transverse of their arms, one of the jaws of each clip being mounted on its respective arm to remain substantially at right angles thereto, and the other one of said jaws being pivotable on the first mentioned jaw, in a direction lengthwise of the arms, to open the jaws to receive a garment.

2,473,409
VARIABLE COMPOUND RESISTOR
John T. Beechlyn, Worcester, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application April 10, 1945, Serial No. 587,645
1 Claim. (Cl. 201—56)

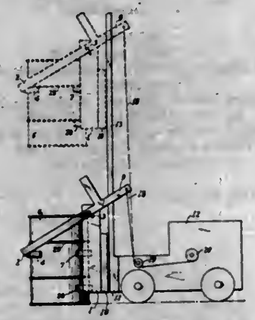
A device of the type described comprising a plurality of resistance wires wound on independent cylindrical shells concentrically aligned with one another, an operating shaft adapted to be rotated

extending through one of the cylinders at the center, a contact arm for each of said resistance wires mounted to be rotated with said center as the turning point, means coupling one of said arms rigidly to said shaft for rotation thereof, means coupling the other of said arms to said



shaft, said coupling comprising a collar attached to said shaft having a projecting pin, said other arm being supported on said shaft by a ring having an arcuate slot therein engaging said projecting pin whereby said shaft may be turned a fraction of a revolution before said arm begins to rotate.

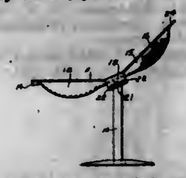
2,473,410
DEVICE FOR LIFTING AND TRANSPORTING OBJECTS
Angelo J. Bevevino, Petrolia, Pa., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware
Application August 9, 1947, Serial No. 767,718
8 Claims. (Cl. 214—66)



1. Improvement in device for lifting and transporting objects, which comprises first means for supporting one side portion of an object, second means for supporting at least one substantially opposing side portion of such object and secured freely pivotable relative said first means between an object-engaging and an object non-engaging position, third means carried by said first means for attachment to a lifting device, and means for pivoting said second means from one said position to the other said position.

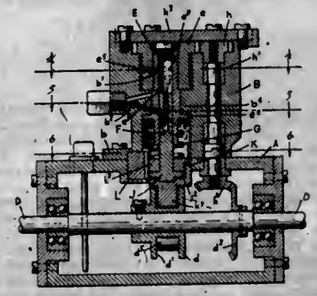
2,473,411
EGG SEPARATOR STAND
Robert W. S. Boden, Pittsburgh, Pa.
Application March 12, 1947, Serial No. 734,133
1 Claim. (Cl. 146—2)

In an egg separating stand, the combination which comprises a pedestal having a stem and a base for holding the stem upright, a tray having a dished egg holding section in one end and a straining section in the other end with the straining section also dished and provided with openings and extended diagonally in relation to the said egg holding section, said tray having downwardly extending flanges at the sides overlapping the upper end of the pedestal for pivotally mounting the tray on the pedestal, and pins extended



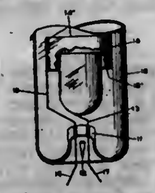
through the flanges spaced from the shaft and positioned to engage the sides of the pedestal to limit tilting movement of the tray.

2,473,412
FUEL INJECTION PUMP
William Frederick Bryant, Chamblee, Ga.
Application May 11, 1945, Serial No. 593,368
5 Claims. (Cl. 103—2)



1. In a liquid fuel injector, the combination with a housing having an induction port and a series of eduction ports, of a tubular cylinder within the housing having an induction port registering with the induction port in the housing, and a plurality of eduction ports, a reciprocating piston in the cylinder opening and closing on its movement the induction port therein, a rotary member surrounding the head of the cylinder and having an eduction port, and means for reciprocating the piston and rotating the rotary member in synchronism with each other.

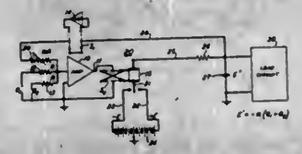
2,473,413
ELECTRODE
Ralph Cortese, Newark, N. J.
Original application May 17, 1945, Serial No. 594,226. Divided and this application August 5, 1947, Serial No. 766,145
3 Claims. (Cl. 176—124)



1. As a new article of manufacture, a space discharge tube, comprising, in combination, a

glass envelope, a shell electrode sealed therein in the form of a cylindrical cup with an open face and a closed bottom and having an electron-emitting oxide coating on the interior thereof, and a cooperating cylindrical ring anode also sealed therein and encircling said electrode in uniformly spaced relation thereto and extending therebeyond a slight distance.

2,473,414
VOLTAGE MULTIPLYING CIRCUIT
Sidney Darlington, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 7, 1947, Serial No. 784,745
6 Claims. (Cl. 320—1)



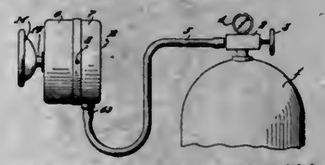
1. A system of apparatus for charging a condenser to a direct-current voltage numerically proportional in a desired ratio to a given direct-current voltage and of prescribed polarity relative thereto comprising a summing amplifier having an input and an output circuit, a first and a second resistance of arbitrarily fixed values, a third resistance proportional in the desired ratio to the first resistance, means for applying the given voltage to the input circuit through the first resistance, a pair of sources of direct-current voltage of opposite polarities, selection means for applying one or the other of the sources to charge the condenser through the second resistance, means included in the output circuit controlling the selection means to select that one of the sources of prescribed polarity relative to the given voltage and means for applying the voltage of the condenser through the third resistance to the input circuit in opposite polarity to the given voltage.

2,473,415
MIXING NOZZLE
Robert M. Doull, Westmount, Quebec, Canada
Application April 10, 1946, Serial No. 661,027
5 Claims. (Cl. 91—44)



1. A mixing nozzle of the kind described comprising two full length casing sections formed with straight longitudinal side edges butted together, each section comprising end portions of unequal length and an intermediate portion having a maximum depth greater than the maximum depth of the end portions, said sections being butted together with the shorter end portion of each section opposed to the longer end portion of the companion section and with the said intermediate portions of the sections staggered longitudinally of the nozzle.

2,473,416
RESUSCITATOR
John H. Emerson, Cambridge, and George J. Sinnett, Lexington, Mass.; said Sinnett assignor to said Emerson
Application April 13, 1946, Serial No. 661,937
8 Claims. (Cl. 128—29)



6. Breathing apparatus of the kind which inflates the patient's lung by the admission of gas at superatmospheric pressure and which allows the lung to deflate in response to chest contraction alone, said apparatus including a gas admission valve and a gas exhaust valve and means for automatically actuating said valves, cycle after cycle, including a spring tending normally to hold the inlet valve open and a pressure motor which is responsive to lung pressure, and snap-action mechanism actuated by the pressure motor and operative to close and to open the inlet and exhaust valves, said mechanism being so designed and arranged that when the inlet valve closes the exhaust valve simultaneously opens.

2,473,417
SECTIONAL SHAFT
Max Eesl, Swarthmore, Pa., assignor to William H. Harman Corporation, Wilmington, Del., a corporation of Delaware
Application May 24, 1944, Serial No. 537,156
7 Claims. (Cl. 74—568)

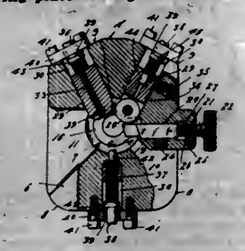


7. A sectional shaft comprising a plurality of hollow sections arranged in end to end relation, a plurality of serrations extending radially on the ends of each section and arranged to interfit with the serrations of an adjoining section to provide centering and aligning means and an adjustable driving connection between said sections, a thrust member on the outer end of each end section and having radial serrations thereon interfitting with the serrations on the end sections, a flexible tie member extending through said sections and said thrust members, and means on said tie member for applying pressure to said thrust members to clamp said sections rigidly together.

2,473,418
BOX TOOL
Karl Fellroth, Minneapolis, Minn.
Application July 20, 1945, Serial No. 607,832
1 Claim. (Cl. 82—35)

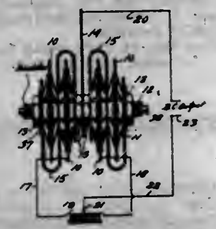
In a box tool, a head having in its face a work opening, three radially disposed channel guides in the face of the head and having open ends, two of the channel guides being in close proximity and the other channel guide being substantially diametrically opposite a medial point between said two channel guides, a carrier slidably mounted in each channel guide, three rollers

journaled, one on the inner end of each carrier for holding a piece of stock therebetween, at circumferentially spaced points, a nut-acting lug on each carrier, an adjusting screw having threaded engagement with said lug, a displaceable bearing plate closing the outer end of each



channel guide, an adjustable bushing in each bearing plate in which the adjusting screw is turnably mounted, said adjusting screws being held by the head and the bushings against endwise movement, means for locking the bushings in the bearing plates, and a tool bit mounted on the head for cutting the stock.

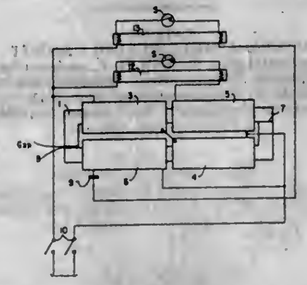
2,473,419
ALTERNATING CURRENT RECTIFIER
Albert C. Fletcher and Donald Lloyd, Oklahoma City, Okla.
Application January 14, 1946, Serial No. 641,044
14 Claims. (Cl. 175—366)



6. A rectifier for alternating currents including, a conducting plate having a surface coating thereon permitting the passage of electric current therethrough in one direction only, and a current collector comprising a cup shaped disk element with a plurality of legs of different lengths, each leg terminating with a contact for engaging the surface coating of the plate, whereby the current pick-up contacts are widely distributed over the surface area of the plate and afford large passageways for circulation of air between the plate and collector.

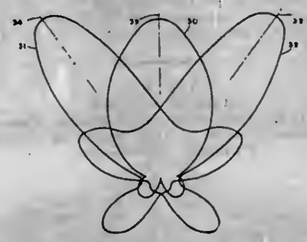
2,473,420
TRANSFORMER
Ernest H. Freeman, Wilmette, Ill., assignor, by mesne assignments, of one-half to Hirsch Epstein and one-half to Louis R. Duman, both of Chicago, Ill.
Application January 26, 1946, Serial No. 643,662
5 Claims. (Cl. 323—44)

1. A transformer for providing leading and lagging currents respectively for operating a plurality of separately operable glow discharge tubes comprising a core having two opposite side legs connected in a magnetic circuit, primary coils one on each leg and connected together in series, a leading current secondary and a lagging current secondary one on each leg, the four coils being in quadrilateral formation with the two primaries at diagonally opposite ends of the quadrilateral and the two secondaries at the other diagonally opposite ends of the quadrilateral, each



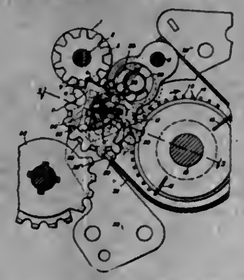
of said secondaries being connected to the primary to form a step up auto transformer, the core having a gap in the magnetic flux path thereof which gap is included in the leakage flux path of one of the primary coils and included in the leakage flux path of the leading current secondary and excluded from the leakage flux path of the other secondary.

2,473,421
SEARCH ANTENNA ARRAY
Eugene Fubini, New York, N. Y., and Morton Hamermesh, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War
Application May 30, 1945, Serial No. 596,720
9 Claims. (Cl. 250—33.65)



1. An antenna array for radio signaling comprising a driven antenna arranged to travel along a substantially circular path in a horizontal plane, means for causing said travel, a pair of parasitic antennas fixedly mounted on the same horizontal plane and on a line representing an extended diameter of said circular path at points equidistant from the center of said circular path, and a third parasitic antenna fixedly mounted in the same horizontal plane at a point along an extended radius at right angles to the line on which said pair of parasitic antennas are mounted and at a distance from the center of said circular path substantially one-half the distance of each of the pair of parasitic antennas from said center.

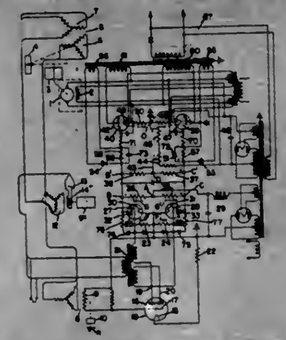
2,473,422
TENS CARRY MECHANISM FOR CALCULATING MACHINES
Herman Gang, Livingston, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application November 27, 1946, Serial No. 712,557
1 Claim. (Cl. 235—133)



In tens carry mechanism for calculating machines having numeral wheels provided with gears, differential actuator gears, movement transmission gears between the differential acuator gears and the numeral wheel gears, a shaft therefor, rotary sleeves having pivotal dogs, pivoted settable members individually depressible to set position by a numeral wheel gear to rock the related dog into mesh with the transmission gear related to the next higher order numeral wheel to thereby during the rotation of the related sleeve transfer the carry to the next higher order numeral wheel, and means for restoring the settable member during further rotation of the related sleeve; means for yieldably maintaining the settable member in and assisting in its movement to set and to restore position, comprising a spring of hair pin form one end of which has pivotal connection with the settable member upon one side of said shaft, a lever fulcrumed intermediately of its length upon said shaft and one arm of which has pivotal connection with said settable member upon the other side of said shaft to rock said lever in opposite directions upon depression and restoration of said settable member and the other arm of which works between said connections and has pivotal connection with the other end of said spring to exert leverage upon and compress said spring and to rock said spring as an entirety in unison therewith until its connection therewith becomes aligned with said connections of said lever and said first named end of said spring with said settable member and to thereafter permit expansion of said spring, said settable member having an aperture through which said shaft passes and opposite edges of which contact said shaft to limit its movement in both directions, said lever and said spring being located and rocking in planes parallel to that of said settable member.

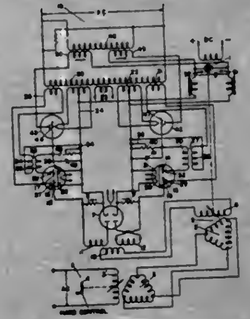
2,473,423
ANTIHUNT ELECTRICAL SERVO SYSTEM
William G. Gorton, Belmont, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application June 16, 1945, Serial No. 599,988
7 Claims. (Cl. 318—30)

1. In a positioning system having a load device driven by an electric motor and a command device for operatively controlling the motion of the load device, means producing a potential having a polarity and magnitude proportional respectively to the direction and magnitude of the displacement between said load and said command devices, a vacuum tube amplifying circuit with



anode, cathode and grid elements having a time lag circuit connected between anode and grid for limiting the abruptness of the rate of change of said potential and means responsive to said controlled potential for operating said motor.

2,473,424
GAS TUBE CONTROLLED SERVO SYSTEM
William C. Grabau, Brighton, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application July 9, 1942, Serial No. 450,329. Divided and this application December 9, 1943, Serial No. 513,808
2 Claims. (Cl. 318—30)



1. A follow-up system for controlling linear motion of a tool to correspond with the contour of a template comprising a rotary transformer means having rotor and stator elements adapted to produce an electrical voltage corresponding in instantaneous polarity and magnitude to the direction and degree of angular displacement from a neutral position of one of said elements with respect to the other, the displacement of one of said elements being governed by the contour of said template and the displacement of the other by motion of said tool, a motor for moving said tool, gaseous conduction tube means for operating said motor in a forward or reverse direction, said conduction tube means including a pair of

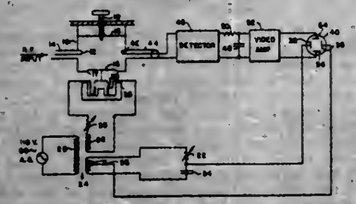
gaseous grid controlled rectifiers one for each direction of rotation of said motor and means for applying to the control grid of each rectifier periodic pulse potentials and a direct potential generated by the action of said rotary transformer and corresponding in polarity and magnitude to the direction and magnitude of said angular displacement.

2,473,425
SCREW CAP OPENER
William F. Grant, Miami, Fla.
Application February 9, 1946, Serial No. 646,669
1 Claim. (Cl. 81—3.43)



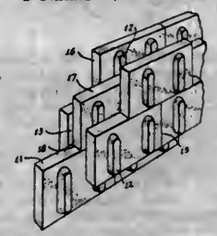
A screw cap opener comprising an elongated handle formed with an opening adjacent one end thereof, said opening including a relatively large portion and a relatively narrow portion extending laterally from one end of said large portion, a flexible cap encircling member, means securing one end of said member to said handle outwardly of said narrow portion and in longitudinal alignment with the latter, said flexible member being formed of spaced elements pivotally joined together by intermediate members, each of said elements having enlarged end portions and a narrow mid-portion, the width of the enlarged end portions being greater than the width of said narrow portion of the opening measured in the direction extending longitudinally of the flexible member and the width of said narrow mid-portions being less than said narrow portion of the opening measured in the same direction, whereby lateral shifting of the flexible member from said large portion of the opening will permit the narrow mid-portions of the elements to slide into said narrow portion of the opening with the said enlarged end portions disposed on opposite faces of said handle and said end portions will be held against passage through said narrow portion of the opening, thus locking the flexible member in its initially tightened condition about the cap.

2,473,426
ELECTRICAL APPARATUS
Julius Halpern, Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application September 6, 1945, Serial No. 614,727
3 Claims. (Cl. 175—183)



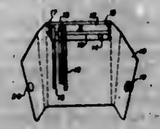
1. In combination, a resonant cavity, electromechanical means associated with said cavity for varying the resonant frequency of said cavity periodically at an audio rate, means for changing the maximum frequency deviation of said periodic variation, means for changing the mean frequency of said variation, means for coupling an electromagnetic oscillation into said cavity, detecting means coupled to the output from said cavity, amplifying means coupled to the output of said detecting means, and indicating means, including a cathode ray tube, means for vertically deflecting the beam of said tube in proportion to the instantaneous amplitude of the output from said amplifying means, and means for horizontally deflecting said beam in synchronism with the variation of the resonant frequency of said cavity.

2,473,427
REGENERATIVE FURNACE CONSTRUCTION
Rudolph Leonard Hasche, Johnson City, Tenn., assignor to Tennessee Eastman Corporation, Kingsport, Tenn., a corporation of Virginia
Application May 5, 1945, Serial No. 592,102
3 Claims. (Cl. 263—51)



2. A regenerative mass for a regenerative furnace using bricks free from perforations and having plane surfaces with no projections therefrom except two projections on one side thereof, one of said projections being about one-quarter the length of the brick from one end of the brick, and the other projection being about one-quarter the length of the brick from the other end of the brick, said mass consisting of parallel walls each composed of said bricks laid one on top of the other in horizontal courses, these courses being staggered with relation to each other so that the projections near the right-hand end of the bricks in a specified course are in line with the projections near the left-hand end of the bricks in the courses above and below the specified course, thus providing free vertical channels between the projections, the bricks in adjacent walls being so staggered that the dividing line between courses in one wall is bridged by the projections on an adjacent wall.

2,473,428
KEY HOLDER
Irving Herriott, Chicago, Ill., assignor of one-half to David M. Davis, Oak Park, Ill.
Application June 20, 1945, Serial No. 600,432
1 Claim. (Cl. 150—40)



A key holder comprising: a key fastening device having a flat base portion, an upstanding

portion formed integrally with said base portion, a resilient tongue member formed integrally with said upstanding portion and extending substantially parallel to said base portion, and an upstanding latch portion formed integrally with said base portion at an end thereof opposite said first mentioned upstanding portion and constructed to engage the end of said tongue member remote from said first mentioned upstanding portion; a wedge-shaped covering member having a relatively large end and a relatively small end; a first side openable to admit access to keys carried by said device; and a second side including means for securing said base portion to said second side along a transverse axis of said second side adjacent said large end; said tongue member being spaced a predetermined distance from said base portion to permit the carrying of a plurality of keys slidably and rotatably on said tongue member; whereby, when stored, said keys lie with their handles at said large end and their narrow lock-engaging portions, extending towards said small end, and when selected for use said keys are rotatable to a position with their lock-engaging portions extending outside said cover at said large end.

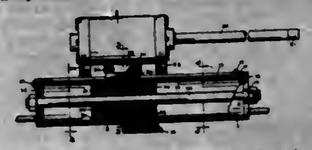
2,473,429
BOTTLE CARRIER
Harry L. Hinman, Indianapolis, Ind.
Application June 20, 1945, Serial No. 600,442
4 Claims. (Cl. 224—45)



1. A bottle carrier comprising an elongated rectangular sheet of flexible material forming the outer sides and bottom of a carrier and a strip of similar material sewed to one face of the sheet by seams extending lengthwise of the side edges of the sheet and substantially parallel seams at intervals along said strip dividing same into individual pockets and transverse seams near the middle of the sheet for dividing each pocket into a pair of oppositely opening pockets with an intermediate second bottom therebetween, each pocket bottoming thereon, and a handle at each end of the sheet, the strip being of greater width than the width of the sheet for pleat fold pocket formation.

2,473,430
PISTON COUPLING MECHANISM
Henry S. Hoffar, near Sidney, British Columbia, Canada, assignor, by mesne assignments, to Le Roi Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 19, 1945, Serial No. 594,653
2 Claims. (Cl. 121—9)

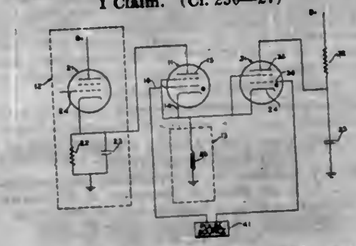
1. A piston coupling mechanism comprising a cylinder having a slot through its wall extending lengthwise thereof, said slot throughout its depth and length being of uniform width, a piston head fitting within said cylinder for reciprocation lengthwise thereof, connecting means carried by said piston head and projecting outwardly therefrom through said cylinder wall slot, a bypass in one side of said piston head of substantially rectangular cross section and concaved lengthwise of the piston head, and a sealing strip within said cylinder having its ends affixed to the ends of said cylinder and located to cover said cylinder wall slot and extend through said bypass, said strip being normally of substantially rectangular cross section and capable of flexing transversely by virtue of the pressure of motive fluid within said cylinder to conform substantially to the curvature of the cylinder and engage the latter in fluid tight relation therewith.



2,473,431
TREATMENT OF CRUDE PETROLEUM OIL
Charles O. Hoover, Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 2, 1946, Serial No. 700,825
21 Claims. (Cl. 196—44)

20. In the distillation of naturally-occurring petroleum crude oil, the step of reducing the corrosiveness of the oil resulting from the presence of compounds naturally occurring therein which are unstable at the distillation temperatures, by intimately admixing with the oil, prior to the distillation thereof, an alkali-metal soap of a water-insoluble organic acid.

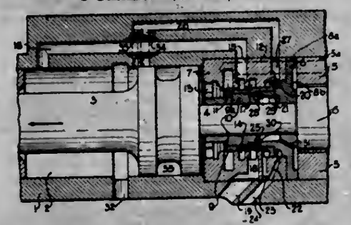
2,473,432
ELECTRONIC SQUARE WAVE SIGNAL GENERATOR
Lawrence H. Johnston, Rural, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application August 1, 1945, Serial No. 608,313
1 Claim. (Cl. 250—27)



An electronic square wave signal generator comprising first and second gas tubes, each having at least an anode, a control grid and a cathode, a source of variable unidirectional voltage having its positive terminal connected to the anode of said first tube, loading means connected between the negative terminal of said source and the cathodes of both tubes, the anode of the second tube being connected to the positive terminal of a second source of voltage through a resistor, and to the negative terminal of said second source through a capacitor, a source of

periodic pairs of pulses, means for supplying the first pulse of each of said pairs to the control grid of the first tube and the second pulse of each of said pairs to the control grid of the second tube, said first pulse rendering the first tube conductive, said second pulse rendering the second tube conductive, whereby said first tube is cut off, the duration of the application of the unidirectional voltage to the loading means being fixed by the interval between the pulses of each pair, and the periodicity of the application of the unidirectional voltage to the loading means being fixed by the frequency of said source, the amplitude of the square wave output developed across the loading means being variable in successive output pulses in response to variation in said unidirectional voltage.

2,473,433
PNEUMATIC DRILLING TOOL
August H. Katterjohn, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application November 19, 1945, Serial No. 629,403
3 Claims. (Cl. 121—20)



3. In a reciprocable piston type fluid actuated hammer tool having a live fluid chamber, live fluid conveying passages leading from said chamber to the opposite sides of said piston, a fluid actuated sleeve valve for controlling application of live fluid from said passages alternatively to the opposite sides of said piston to advance and retract it, said valve having a holding shoulder formed thereon adapted to receive live fluid to urge the valve at all times toward piston retracting position, and means for connecting said live fluid chamber to said shoulder at all times, said means having a small passage leading from said chamber to an auxiliary live fluid reservoir and another passage leading from said reservoir to said holding shoulder.

2,473,434
METHOD FOR PREPARING HYDROCARBOMETALLIC HALIDES
Richard V. Lindsey, Jr., Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 27, 1946, Serial No. 679,855
9 Claims. (Cl. 260—431)

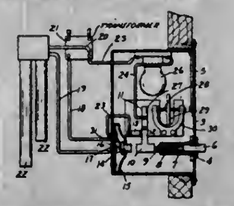
1. A method for preparing hydrocarbometallic halides which comprises reacting at a temperature below the decomposition temperature of the reactants under an atmosphere free from oxygen and moisture a bihalide of a metal of group II—B in the long periods of the periodic table with an organoaluminum compound in an anhydrous inert organic liquid solvent therefor, said organoaluminum compound containing at least one monovalent hydrocarbon radical free from nonbenzenoid unsaturation and wherein the valences of aluminum are satisfied solely by members selected from the class consisting of halogen atoms and hydrocarbon radicals as aforesaid, the halogens in both of said reactants having an atomic number between 16 and 54, and isolating the resulting hydrocarbometallic halide.

2,473,435
BLOWPIPE FOR HEATING TOOLS
Bert C. Lusader, Sr., Jonesboro, La.
Application September 21, 1946, Serial No. 698,555
2 Claims. (Cl. 126—229)



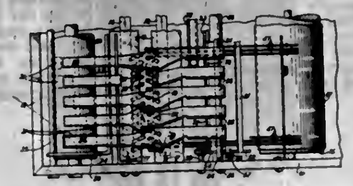
1. A blow pipe comprising two longitudinally aligned sections separably connected together and constituting a tubular body, a perforated baffle plate interposed between the adjacent ends of said sections, one of said sections being closed at the free end thereof and forming an air chamber, the remaining section being open and forming a combustion chamber, an air supply tube communicating with said air chamber, a tube having a venturi positioned axially in said body and extending through said plate into said combustion chamber, said Venturi tube adapted to be connected to a source of gas, a control valve provided on each of said tubes, the lateral wall of said combustion chamber being formed with a plurality of openings, brackets for supporting said body, and a further bracket attached to said baffle plate and adapted to support a soldering iron at the mouth of said combustion chamber.

2,473,436
ALARM, LIGHT, AND SAFETY SIGNALING DEVICE
Elmer F. Lynd, Cleveland, Ohio
Application November 13, 1946, Serial No. 709,464
9 Claims. (Cl. 177—339)



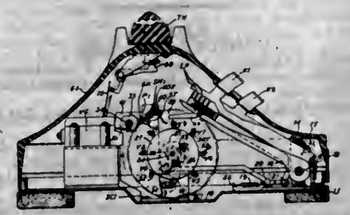
1. In a signaling device, in combination, an entrance to a dwelling, apartment, or the like, comprising a door frame, a door therein, a light arranged to exteriorly illuminate the entrance, an audible signal interiorly of the entrance, and means to simultaneously operate the light and audible signal, including a control device, means for actuating said first means, said control device comprising means for maintaining the audible signal in operation and the light on after actuation of said actuating means is discontinued, and means to automatically discontinue operation of said audible signal and shut off the light after a predetermined time subsequent to operation of said operating means.

2,473,437
MECHANICAL PERFORATOR
Rudolph F. Mallina, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 20, 1947, Serial No. 722,977
11 Claims. (Cl. 164—115)



1. In a tape perforator, tape perforator means, means for enabling the perforator to perform a perforating operation, a group of code levers each having an integrally formed code pin, a select lever having code holes corresponding in number to the number of code levers and normally positioned relative to said code levers so that less than the whole of the code pins thereof are in individual vertical alignment with corresponding code holes of said select lever, means for selectively operating said code levers to variably position the code pins thereof relative to corresponding code holes of said select lever, and means, including said select lever, responsive to the selective operation of said code levers in a manner to effect the individual vertical alignment of the code pins of all thereof with corresponding select lever code holes for operating said perforator enabling means.

2,473,438
CALL TRANSMITTER
Rudolph F. Mallina, Hastings on Hudson, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 17, 1947, Serial No. 761,563
7 Claims. (Cl. 177—380)

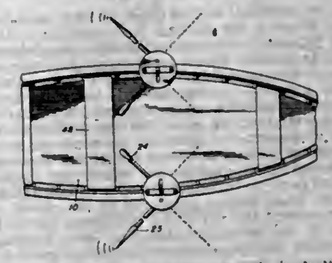


1. In a telephone call transmitter, a set of key members, a set of pivoted bars actuated in pairs by the movement of each of said key members, a set of vibrating reeds, a rotatable support, a row of segment-shaped members mounted for pivotal movement on said support from normal to engageable relation with said reeds, means carried by each of said bars for setting a number of said segment-shaped members relative to said reeds in position representing the digit of the operated key member and motor means for rotating said support for transmitting the call.

2,473,439
MOTOR FUEL
Herbert Lightfoot Maxfield, Banstead, England, assignor to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application December 22, 1947, Serial No. 793,324. In Great Britain January 11, 1947
6 Claims. (Cl. 44—53)

1. A fuel for internal combustion engines composed of 60 parts of a mixture consisting of 26 to 36 parts by volume of ethanol, remainder secondary butanol, from 5 to 10 parts of hydrocarbons selected from the group of paraffins and olefines with 3 to 5 carbon atoms in the molecule, the latter having not more than one double linkage in the molecule, and from 10 to 30 parts of water, the proportions being chosen within said limits so that at atmospheric temperatures at which the fuel is used the mixture is homogeneous.

2,473,440
REVERSIBLE OAR
Robert C. Moeller, North Tonawanda, N. Y.
Application February 24, 1948, Serial No. 10,539
4 Claims. (Cl. 9—25)



1. An oar comprising an oarlock including a stationary base plate, a table rotatably mounted on the base plate, handle and blade oar portions pivotally connected to each other and individually pivoted to the table for opposite swinging movement of said portions, and means locking the table to the base plate and also locking the portions of the oar to each other and arranged for opposite locking and unlocking movement.

2,473,441
HOSE COUPLING
John A. Muller, Princeton, N. J., assignor to Thermoid Company, Trenton, N. J., a corporation of Delaware
Application February 4, 1946, Serial No. 645,275
8 Claims. (Cl. 285—72)



1. In a hose structure, a connector sleeve having an annular end face and a plurality of axially extending radial openings in the external surface of the sleeve at equally spaced intervals circumferentially thereof, a hose including inner and outer plies connected at one end to said connector sleeve with the inner ply of said hose extending through the sleeve and having an annular end flange portion overlying the annular end face of

said sleeve and the outer ply of said hose overlying the exterior of said sleeve, inner and outer spirally wound layers of wires embedded in said outer ply of the hose and extending from end to end thereof with the end portions of a corresponding wire of each layer disposed in each of said axially extending openings on the connector sleeve, means to anchor said end portions of the wires in said openings, a coupling member receiving said sleeve and having an angularly disposed surface engaging interiorly of the hose end flange to force the same outwardly against the surrounding coupling member and provide a fluid-tight seal.

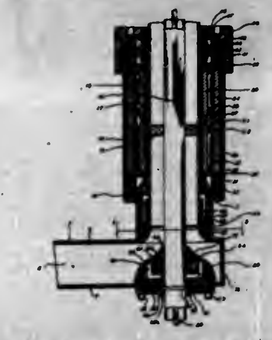
2,473,442
MUSICAL INSTRUMENT OF THE STRING TYPE
Clyde B. Page, Baton Rouge, La.
Application April 11, 1946, Serial No. 661,270
7 Claims. (Cl. 84—285)



1. In musical instruments of the auto-harp type, wherein the playing face includes a string zone formed of a succession of strings individually tuned to predetermined tonal values together with a bar zone containing a plurality of normally inactive individual damping bars individually arranged for muting predetermined strings of the string zone, and wherein the chord effects when rendering a musical selection are produced by the movement of a pick across the string zone with an individual damping bar depressed from its normal position to render it active to damp strings having tonal values undesired in the chord, the improvement therein which comprises having the ends of its individual damping bars yieldingly supported within permanent housings carried by the playing face at opposite sides of the string zone, each housing having a predetermined number of division spaces each adapted to receive an end of a damping bar to thereby permit the presence of bars equal in number to those of the division spaces of a housing, the top zone of each housing including a slidable removable cover element overlying an end of all of the positioned bars of the bar zone for normally retaining the bars therein, removal of said cover elements permitting substitution of damping bars having other string muting combinations without increase in the number of bars positioned in the bar zone, each housing presenting an open zone above the division space zone with each of the walls of such open zone including a groove formation open to the zone with the groove formation forming receiving portions for margins of the cover to thereby rigidly anchor the cover, the dimensions of the open zone being such as to permit of the free passage of damper bar ends therethrough.

2,473,443
ULTRA HIGH FREQUENCY ROTATABLE JOINT
George L. Ragan, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 18, 1944, Serial No. 531,607
8 Claims. (Cl. 178—44)

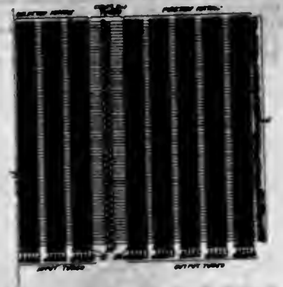
8. In a high frequency transmission system, a rotatable joint construction, comprising a wave guide, said wave guide having an aperture in one side, a tubular conductor supported at said aperture and extending substantially at right angles to said wave guide and forming one section of outer tubular conductor for a coaxial line, a second section of tubular conductor aligned with said first section, means for rotatably supporting said second section with respect to said first section, a central conductor for said coaxial line, said central conductor having one end extending through said wave guide aperture and toward the opposite side of said wave guide, means for rotatably supporting said central conductor, and a fitting carried by said opposite side of said wave guide for providing a transition structure between said opposite side of said wave guide and said central conductor, said fitting comprising a



stationary annular structure surrounding said central conductor and spaced therefrom, said fitting extending from said opposite side of the wave guide to a termination near the aperture in said first side of said wave guide and tapering to a smaller diameter as said aperture is approached, said fitting having an internal annular channel communicating with the free space between said fitting and said central conductor, said annular channel and said free space together having an effective length of substantially a half wave length whereby a good low impedance path is provided for high frequency energy between said stationary fitting and said central rotatable conductor.

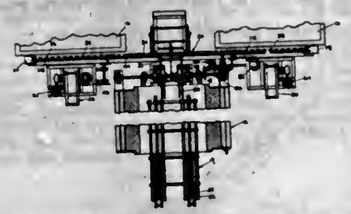
2,473,444
COMPUTING SYSTEM
Jan A. Rajchman, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 29, 1944, Serial No. 524,475
2 Claims. (Cl. 235—61)

1. The combination of a first set of conductors arranged in groups each including a number of conductors dependent on the number of digits in a predetermined numerical system, means for establishing on selected conductors of said groups potentials representative of the successive digits of a variable expressed in said numerical system, a second set of conductors, means connected between the conductors of said sets for applying a predetermined potential to a different one of the conductors of said second set in response to potentials representative of each different value of said variable, third and fourth sets of conductors, means interconnecting the conductors of said third and fourth sets in accordance with a predetermined function of said variable, means coupling the conductors of said second set to those of said third set, and means connected to the terminals of said fourth set of conductors for deriving potentials representative of different



values of a function of said variable in response to shifting of said predetermined potential from one to another of said second set conductors.

2,473,445
SPRING CAMBERING MACHINE
George R. Reed, Grosse Pointe Park, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 11, 1947, Serial No. 740,945
8 Claims. (Cl. 266—4)



1. Combination mechanism for the automatic handling of leaf spring plates in the heating, cambering, and quenching thereof comprising a heating furnace, walking beam mechanism for transporting springs through the furnace in orderly and parallel array, articulating arm mechanism for retrieving the plates from the furnace and for delivery to a point removed from the furnace, a pair of spaced cambering dies arranged forwardly from the exit of the furnace, a pair of quenching tanks, one associated with each die into which the respective cambered plates are moved after a cambering operation, roller mechanism for delivering the retrieved plates alternately in opposite horizontal directions to positions adjacent to the dies, and lifter and conveying mechanism associated with each die for transferring the plates from positions adjacent the die to the die, said mechanisms and dies all being power driven in coordinated timed relation to one another.

2,473,446
ANTENNA
Henry J. Riblet, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application November 6, 1945, Serial No. 627,041
5 Claims. (Cl. 250—33.63)

1. An antenna for communication systems comprising a dielectric solid of revolution substantially in the shape of an elongated cone having a cylindrical base portion, exciting means coupled to said base portion to cause said dielectric solid to radiate energy, said energy forming a pattern which normally has its axis of directivity substantially coinciding with the axis of said solid of revolution, a metallic sheet member mounted on said dielectric member and curved to conform to the shape of said dielectric member, said sheet



member being so shaped as to be included between two angularly displaced planes which intersect along the axis of revolution of said dielectric member, said sheet member covering substantially all of the surface of said dielectric member within one of the angles of intersection of said two planes, said sheet member being effective to angularly displace the axis of directivity of said radiation pattern in a direction away from said sheet member.

2,473,447
WHIFFLE TREE
Joseph Rickard, Hancock, N. Y.
Application April 21, 1947, Serial No. 742,763
1 Claim. (Cl. 278—102)

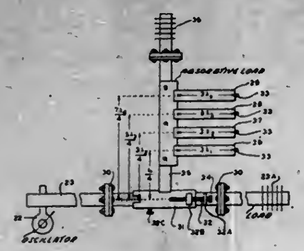


A whiffle tree including an elongated member, a reinforcing plate at the rear edge at each end of the member and extending horizontally around the end of the member and inwardly at the front edge thereof, a snap hook secured to the plate adjacent its inner end for attaching a trace thereto, and guide rings for the trace carried by the plate to hold the trace in position along the rear edge of the member and at the end thereof.

2,473,448
OSCILLATOR
Foster F. Ricke, Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 18, 1945, Serial No. 588,988
5 Claims. (Cl. 250—36)

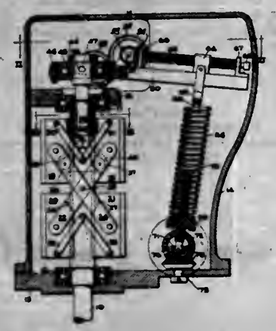
1. In combination with a magnetron oscillator and an associated output wave guide therefor, a frequency stabilizer unit comprising a main wave guide adapted for insertion in said output wave guide, a stub wave guide branching from said

main guide, and means affording a plurality of rectangular wave guide cavities respectively communicating with said stub guide through suitable irises therein, each of said cavities being an in-



tegral number of wavelengths long and being disposed an odd number of quarter wavelengths from the junction of said stub guide with said main guide.

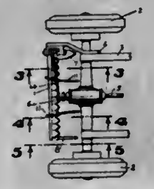
2,473,449
CENTRIFUGAL GOVERNOR
Armin H. Rodeck and Albert G. Massey, Watertown, N. Y., assignors to Massey Machine Company, Watertown, N. Y.
Application September 28, 1944, Serial No. 556,144
10 Claims. (Cl. 264—20)



2. Centrifugal governor mechanism comprising a rotatable drive shaft, a pair of centrally pivoted crossed levers having their central pivot carried by said shaft, a fly-weight pivotally supported at each outer end of each of the crossed levers, means normally urging said fly-weights toward said shaft, and a link spaced from said levers connecting pivotally between each fly-weight and the drive shaft for maintaining the fly-weights in a constant attitude during movements of the fly-weights toward and away from the drive shaft.

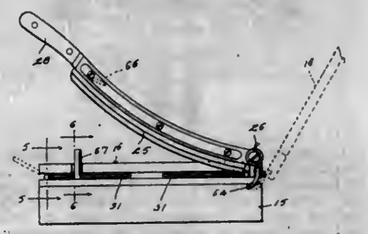
2,473,450
VINE CUTTER
Louis Rogers and Clarence A. Rogers, Ripon, Calif.
Application July 31, 1944, Serial No. 547,388
2 Claims. (Cl. 55—107)

1. A ground-trailing vine cutting device of the character described for attachment to a tractor, having in combination a mower unit provided with a reciprocative cutter blade, ground shoes secured to said unit at opposite ends thereof, so as to maintain said unit in a horizontal position, said shoes being so positioned as to engage and press downwardly upon such portions of trailing vines as may extend laterally into the paths of



travel of said shoes, vine lifters secured to said mower unit beneath the blade thereof and having portions projecting in advance of the unit and between said ground shoes, said vine-lifters having ground-penetrating portions and means for lifting trailing vines into the cutting plane of the mower unit, and means for reciprocating said cutter blade.

2,473,451
CLOTH MARKING AND CUTTING MACHINE
Vito Sciancalepore, White Plains, N. Y., assignor of one-half to Charles Greene, White Plains, N. Y.
Application January 22, 1947, Serial No. 723,623
8 Claims. (Cl. 91—14)



1. In combination a cutter comprising a stationary blade and a movable blade, means clamping a pair of trousers legs in a position for cutting by said cutter, and means actuated by movement of said movable blade to cutting position for marking the trousers legs in a series of parallel lines to define the cuff width and leg length.

2,473,452
FORCE CUP FOR CLEANING DRAINPIPES AND THE LIKE
Eben L. Scott, Mission, Kans.
Application May 2, 1945, Serial No. 591,455
5 Claims. (Cl. 15—104.30)

3. A device of the character described including, a resilient pressure and suction cup having a socket portion projecting coaxially thereof and having an opening therethrough into the cup, a handle member having one end engaged in the socket portion and having a longitudinal channel registering with said opening at one end and having the other end opening through a side of the handle member, a reel, means for mounting the

reel on the handle member adjacent said opening of the channel, and a flexible cleanout mem-

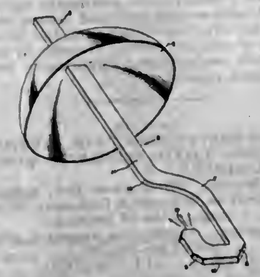


ber wound on the reel and projectable through the channel and opening of the cup.

2,473,453
METHOD OF EXTRACTING OILS FROM FISH MATERIAL
Ralph F. Shropshire, Cambridge, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application October 4, 1946, Serial No. 701,067
7 Claims. (Cl. 260—412.1)

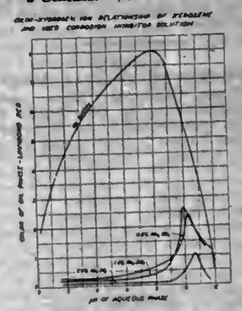
1. The method of extracting oils from fish fragments which comprises reducing oil-bearing fish fragments to a pulpy mass, subjecting said mass to compressional wave energy at a power level which produces cavitation within said mass whereby the cell structure of the fish tissues is disrupted, thereafter separating the desired oil from the treated material.

2,473,454
ANTENNA
William Sichak, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application July 9, 1945, Serial No. 604,026
4 Claims. (Cl. 250—33.65)



2. An antenna comprising a paraboloid reflector and a device for illuminating said reflector, said device comprising a hook shaped waveguide terminating in an aperture, said waveguide extending through the vertex of said paraboloid and being so disposed that its aperture terminates substantially at the focal point of said paraboloid and is directed toward the vertex of said reflector.

2,473,455
TRANSPORTING PETROLEUM DISTILLATES
Leonard V. Sorg, Kansas City, Mo., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application March 5, 1946, Serial No. 652,173.
2 Claims. (Cl. 44—72)



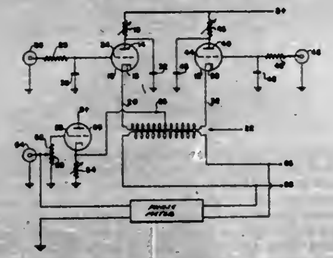
1. The method of preventing discoloration of a refined petroleum distillate during geographical transportation thru a ferrous metal pipe line in the presence of a small amount of an aqueous corrosion inhibitor comprised of sodium hydroxide and ammonia in substantially the proportions resulting from the hydrolysis of sodamide having a hydrogen ion concentration corresponding to a pH between 8 and 11, said method comprising introducing into said pipe line simultaneously with said distillate a small amount, not more than 5 per cent based on the weight of the corrosion inhibitor, of a sulfite selected from the class consisting of the sulfites of the alkali metals and ammonium.

2,473,456
PASSIVATION OF FERROUS METALS
Elmer A. Thurber, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application December 23, 1943, Serial No. 515,427
10 Claims. (Cl. 148—6.14)

2. The method of improving the rust resistance of a surface of a ferrous metal object which has a tendency to rust comprising subjecting said object to a preliminary treatment comprising at least two of the operations of heating said object in the presence of oxygen until an oxide coating is formed on the surface, heating said object in an atmosphere of hydrogen at a temperature sufficient to cause occlusion of hydrogen at the surface of said object and to reduce any oxide coating present on the surface, and contacting said object with an aqueous solution of a non-oxidizing acid of sufficient strength and for a sufficient time to roughen the surface of said object by etching and to remove any oxide coating which may be present, said operation of heating in the presence of oxygen being followed by one of the other of said operations, at least one of said heating operations being carried out at a recrystallizing temperature for said metal until recrystallization of the metal at the surface of said object occurs, the surface after said preliminary

treatment being free from deep scars, cracks, pits or segregated impurities, and subsequent to said preliminary treatment immersing said object with agitation, in an aqueous solution of hydrogen peroxide at a temperature in the vicinity of room temperature, said solution of hydrogen peroxide containing at least 5 per cent by weight of hydrogen peroxide, raising the temperature of the hydrogen peroxide solution having said object immersed therein to a temperature in the vicinity of its boiling point, maintaining the solution at that temperature for at least about 5 minutes and allowing said object to cool while in contact with said solution.

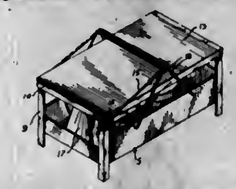
2,473,457
POTENTIAL COMPARATOR
Owen A. Tyson, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application August 1, 1945, Serial No. 608,314
1 Claim. (Cl. 250—27)



A circuit for comparing the amplitudes of two direct-current potentials comprising a first, a second and a third vacuum tube, each having at least a cathode, an anode and a control grid, means for connecting said first vacuum tube as a cathode follower, first and second variable resistors for connecting said anodes of said second and third vacuum tubes to a suitable source of plate potential, said first and second variable resistors providing means for balancing said circuit, first and second capacitor means for maintaining said anodes of said second and third vacuum tubes at a substantially constant potential for alternating voltage signals, a transformer having a first, a second and a third primary terminal and a first and a second secondary terminal, said two secondary terminals serving as the output terminals for said comparator circuit, means for connecting said cathodes of said first, second and third vacuum tubes to said first, second and third primary terminals of said transformer, means for introducing a first and second direct-current potential, low-pass filter means for applying said first and second direct-current potentials to the control grids of said second and third vacuum tubes respectively, and means for applying a sine wave signal to the control grid of said first vacuum tube.

2,473,458
PORTABLE OUTDOOR COOKING STOVE
Allen Vinson Walker, Nashville, Tenn.
Application January 5, 1946, Serial No. 639,325
1 Claim. (Cl. 126—25)

An outdoor cooking stove comprising an open fire pot, having corner legs for supporting the same on the ground in elevated position, said legs extending above said pot, a grill unit supported on top of the legs above the fire pot and including an open grill member, a combined folding plate grill and table pivoted at one end on the open grill member for swinging into and out of folded position and resting in the folded position on top of said grill member, a pair of U-shaped handles pivoted at ends thereof to opposite sides of the fire pot upon opposite sides of the transverse center thereof for swinging into upwardly converging relation to straddle said pot, grill unit



and said folding plate and grill in the folded position thereof to provide for grasping of said handles by one hand to carry the stove, and a U-shaped leg structure on the other end of said folding plate grill and table pivoted thereon for swinging upwardly thereover in the folded position thereof to converge toward said pair of handles for grasping therewith to hold said folding plate grill and table in folded position while the stove is being carried.

2,473,459
QUICK DETACHABLE COUPLING
Carl A. Weise, Los Angeles, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application February 6, 1946, Serial No. 645,721
9 Claims. (Cl. 285—129)

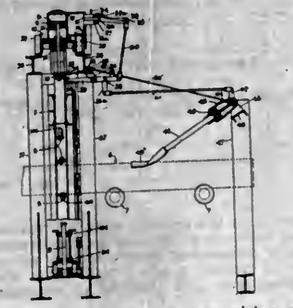


1. A jointure, comprising: a plurality of couplable members; a plurality of arcuate members surrounding the members to be coupled, each arcuate member having a transversely-extending resiliency adapted to embrace the members to be coupled; means surrounding said arcuate members laterally of said resiliency and adapted to be diametrally constricted; and means operatively interposed between the last-said means and said resiliency for effecting reduction in the transverse dimension of said resiliency, whereby to longitudinally apply immobilizing compressive forces to said couplable members.

2,473,460
CONDENSATION PRODUCTS OF CITRIC ACID WITH LONG CHAIN ALIPHATIC MONOHYDRIC ALCOHOLS
James H. Wernts, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 6, 1946, Serial No. 688,687
12 Claims. (Cl. 260—78.3)

1. A method of preparing a surface-tension modifying agent which comprises condensing at a temperature of 150° to 225° C. from three to thirty molar equivalents of citric acid solely with one molar equivalent of an open-chain aliphatic monohydric alcohol containing from eight to thirty carbon atoms.

2,473,461
HYDRAULIC BARKING MACHINE
Frank O. White, Edmundston, New Brunswick, Canada
Application May 19, 1945, Serial No. 594,752
9 Claims. (Cl. 144—208)



1. A log debarking machine comprising, a support, a nozzle carrier provided with a central opening through which a log to be debarked is passed lengthwise, a plurality of nozzles movably mounted on said carrier and normally converging toward the center of said carrier opening, said carrier being mounted on said support for selective vertical and transverse movements in its own plane and with respect to the longitudinal axis of said log, independent means for imparting said vertical and transverse movements to said carrier, means responsive to the vertical movement of said carrier for moving said nozzles toward and away from the center of said carrier opening, and means responsive to the shape of the log to selectively actuate said carrier movement imparting means.

2,473,462
METERING MEANS FOR A BOTTLE HAVING A LOCK TO ENSURE THE TIPPING OF THE BOTTLE TO DISPENSE
Robert Wortman, Detroit, Mich., assignor to J. E. Berger Corporation, Detroit, Mich.
Application October 8, 1948, Serial No. 53,535
10 Claims. (Cl. 222—38)

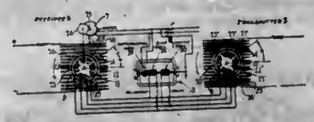


1. A device for dispensing liquids from bottles comprising means providing a casing applicable to the neck of a bottle having an inlet leading from the interior of the bottle and an outlet leading from the casing, a rotary valve within the casing having openings in its wall adapted to be brought into registration with the inlet and outlet respectively, a slot in the casing, an operating handle secured to the rotary valve and extending through said slot in the casing for rotating the valve from closed to pouring position, spring means connected to the casing and the valve for normally urging the valve into a position wherein the outlet is closed, a transparent crystal forming a part of the casing wall, and an index wheel positioned between the crystal and the rotary valve for registering the amount of liquid dispensed.

2,473,463
ALKYLATED MELAMINE-FORMALDEHYDE LIQUID COMPOSITIONS
Pierrepont Adams, Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 22, 1947, Serial No. 749,885
12 Claims. (Cl. 260—67.6)

8. The method of preparing an alkylated melamine-formaldehyde liquid composition which comprises effecting reaction under heat and at a temperature up to and including the boiling temperature of the reaction mass between ingredients comprising (1) methanol, (2) melamine and (3) an aqueous solution of formaldehyde, the melamine and formaldehyde being employed in the ratio of from about 2 to not more than 3½ moles of formaldehyde per mole of melamine, at least part of the reaction between the aforesaid ingredients being effected while distilling alcohols from the reaction mass containing the same and in the presence of (4) an alcohol of the group consisting of propanols and primary and secondary butanols, whereby the alcohol of (4) is caused to react with the melamine-formaldehyde reaction product and an ungelled liquid composition comprising an alkylated melamine-formaldehyde resin having a low ratio of formaldehyde to melamine is obtained, the amount of methanol of (1) employed being at least sufficient for substantial methylation of the melamine-formaldehyde reaction product and the amount of the alcohol of (4) employed being in excess of the theoretical amount required for substantially complete replacement of the methyl groups of the methylated melamine-formaldehyde reaction product with alkyl groups corresponding to the alcohol of (4) employed.

2,473,464
REMOTE CONTROL
Robert Alkan, Locust Valley, N. Y., assignor to Specialties, Inc.
Application May 26, 1945, Serial No. 595,924
5 Claims. (Cl. 318—31)



1. A direct current remote control comprising similar resistances at transmitter and receiver stations respectively, each resistance being formed to provide a circular contact path and adapted to be connected to positive and negative current sources at opposite sides of the circular contact path, at each station a pair of angularly related, rotatably mounted contact arms insulated from each other engaging said resistances, a polarized relay having three coils, an electric motor controlled by the polarized relay connected to drive he pair of arms at the receiver station, an electric circuit connecting the first coil

to similar arms of both pairs, a second electric circuit connecting a second coil to the other similar arms, and a third electric circuit connecting the third coil to receive current proportional to, and of the sign of, the voltage across the motor terminals, said first and second coils cooperating as actuating coils to insure actuation of the polarized relay in accordance with the relative positions of the rotatable contact arms at the transmitter and receiver stations and said third coil acting in opposition to the actuating coils to inhibit overrunning of the motor.

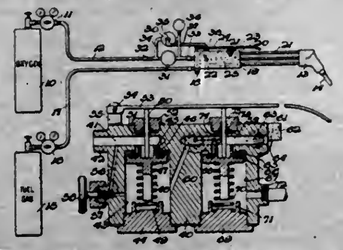
2,473,465

APPARATUS FOR IMPROVING THE OPERATION OF OXYGEN CUTTING TORCHES

Paul L. Betz, Baltimore, Md., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland

Original application June 5, 1942, Serial No. 445,951, now Patent No. 2,399,979, dated May 7, 1946. Divided and this application December 3, 1945, Serial No. 632,576

15 Claims. (Cl. 158—27.4)



1. In a device for controlling the flow of oxygen to an oxygen cutting torch having separate passages for flow of preheat oxygen and cutting oxygen and a fuel passage and a valve at the torch for controlling flow of cutting oxygen, the combination of means providing two oxygen passages in parallel having outlets in communication with said first named oxygen passages, one of said passages including a non-throttling valve for opening and closing said passage and the other of said passages including a throttling valve disposed in said passage on its upstream side from its outlet, and means for operating said non-throttling valve simultaneously with the operation of said valve on the torch for controlling the flow of cutting oxygen.

2,473,466

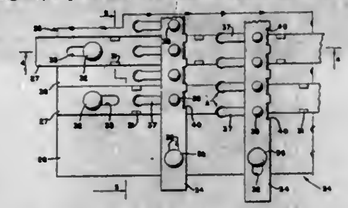
PARTIAL PRODUCTS MECHANISM

Ralph E. Bitner, Roslyn, N. Y.

Application November 13, 1945, Serial No. 628,038

7 Claims. (Cl. 235—61)

1. A partial products mechanism for producing the product of two digits comprising, a plurality of multiplier rods movably mounted in parallel relationship, each of said rods corresponding to a digit, a plurality of multiplicand rods movably mounted in parallel relationship, each of said rods corresponding to a digit, mechanical limit means for restricting the rod motion to an actuated or an unactuated position, a plurality of contact fingers secured to each of said multiplier rods in spaced relation thereon, each finger representing a product digit, a plurality of contact lugs secured to each of said multiplicand rods in spaced relation thereon, a base structure for slidably holding said multiplicand rods which comprises channels for the rods and intermediate rod-like strips for sliding engagement by the multiplier fingers, a plurality of electromagnetic coils, each



corresponding to a product digit, for transmitting product values to an integrating mechanism, and electrical connecting means joining all contact fingers of similar product-digit value with the electromagnetic coil having a corresponding value.

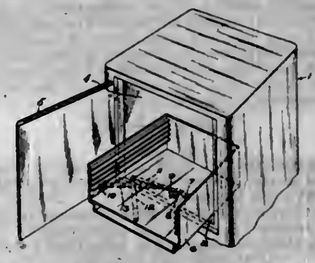
2,473,467

ATTACHMENT FOR DRAWERS IN OVENS OF STOVES OR RANGES

James P. Burt, Taunton, Mass., assignor to Glenwood Range Company, Taunton, Mass., a corporation of Massachusetts

Application April 29, 1948, Serial No. 665,745

3 Claims. (Cl. 126—340)



1. In a range having an oven, a drawer in the oven, and an oven door hingedly supported and closing the doorway to the oven, a linkage for withdrawing the drawer from the oven as the door is opened and returning it into the oven as the door is closed, said linkage comprising a lever pivotally mounted upon the bottom of the oven at about the center of its fore end portion beneath the drawer and turnable transversely to and fro from an inwardly turned position corresponding relatively with the closed position of the oven door to an outwardly turned position corresponding relatively with the open position of the oven door and when occupying its said inwardly turned position extending in a direction substantially parallel with a vertical plane passing through the longitudinal center of the oven bottom and when occupying its said outwardly turned position extending in a direction substantially normal to said plane, a lever between the free end of said first named lever and the fore end portion of the drawer and pivoted, respectively, thereto, and a lever pivotally connected to the oven door and pivotally connecting with said first named lever between its free end and the point of its pivotal

connection, whereby upon the opening and closing of the door said first named lever will be turned from its said inwardly turned position to its said outwardly turned position and return and when approaching or leaving its said inwardly turned position its free end will move in a direction substantially normal to said plane.

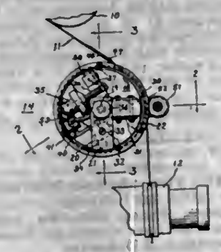
2,473,468

MAGNETIC SWITCH APPARATUS

Hal Cooley, Portland, Oreg.

Application August 6, 1946, Serial No. 688,747

1 Claim. (Cl. 200—52)



A magnetic switch device for motion picture projection apparatus, the combination comprising a strip of film, a relatively small, thin, magnetic element, means attaching said element onto said film, said element and said attaching means being flexible and sufficiently thin so as not to interfere with the normal feeding of the film through the projection apparatus, a cylindrical housing, means for training said film over said housing in firm engagement with the cylindrical wall thereof, means for supporting said housing for free rotation about its longitudinal axis, at least the cylindrical wall of said housing being of nonmagnetic material, a magnetized unit, means mounting said magnetized unit within said housing for movement toward and away from the cylindrical wall thereof, said magnetized unit being adapted to be actuated in response to movement of said magnetic element attached to said film therepast on the exterior of said housing, and switch means mounted within said housing and operatively connected to said magnetized unit for actuation thereby.

2,473,469

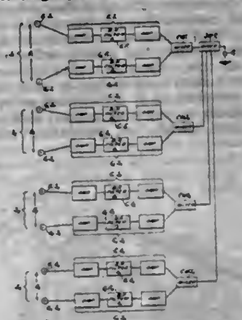
METHOD AND APPARATUS FOR MINIMIZING THE HORIZONTALLY-TRAVELING COMPONENTS OF SEISMIC WAVES

Cornelius G. Dahm, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application April 10, 1948, Serial No. 20,233

4 Claims. (Cl. 177—352)

3. In seismic prospecting, the method of minimizing confusion of the record of reflected seismic waves by co-existent horizontally traveling waves which comprises arranging geophone spreads with the horizontal spacing between the geophones of each spread corresponding with an odd number of half-wavelengths at a predetermined seismic frequency different for the different spreads, combining in phase the reflected wave outputs of each pair of geophones of each spread having the frequency corresponding with their spacing, and combining the joint output of each pair of geophones of one spread with the



joint output of a pair of geophones of each of the other spreads.

2,473,470

ALIGHTING GEAR

Albert P. Fall, Toledo, Ohio

Application June 12, 1944, Serial No. 539,970

2 Claims. (Cl. 308—4)



1. In a packing gland for disposition at the junction between the telescoping members of an alighting gear or the like in which a piston rod reciprocates with respect to a cylinder and in which a bearing member is disposed in the cylinder about the piston adjacent said junction with the bearing formed with an annular groove, that improvement which comprises a one-piece split metal wiping or scraping ring disposed in said bearing groove, said ring having at the radially inner part thereof a cutting edge against the piston surface and having in its convex peripheral portion a compressor groove, and a compressor in said compressor groove between it and the said bearing groove acting with squeeze grip action about the ring tending to compress the ring and reduce the diameter of its cutting edge and thus increase the contact of the cutting edge against the piston.

2,473,471

CARRIAGE CUSHIONING MEANS FOR CALCULATING MACHINES

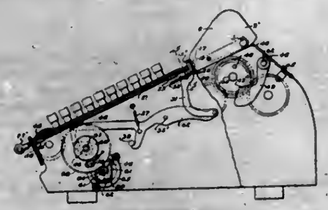
Herman Gang, Livingston, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware

Application September 17, 1948, Serial No. 49,792

3 Claims. (Cl. 235—63)

1. In a calculating machine, a denominationally shiftable carriage having register gears, said carriage being pivoted in rear upon the fixed frame of the machine, said fixed frame having transmission gears, means for differentially actuating said register gears through the medium of said transmission gears, means for denominationally shifting said carriage comprising means for raising the carriage pivotally to clear the register gears from the transmission gears and for

causing the carriage to fall by gravity to reengage said gears, power driven means to effect repeated alternate operation of said differential actuating means and said carriage shift means comprising a clutch, and means comprising a manipulable key to close the clutch and initiate operation of the machine, said power driven means also comprising means to open the clutch upon the conclusion of a calculation of a plural order program in any one ordinal position of the carriage and means to thereafter reclose the



clutch to start the calculation in the new ordinal position of the carriage; in combination with means for cushioning the fall of the carriage comprising a brake governor and follower means having connection with the carriage and means of connection with said governor to cause the governor to idle during the rise of the carriage and to drive the governor during the fall of the carriage, and means having connection with said follower means for synchronizing the operation of said means for cushioning the fall of the carriage with the operation of the means for reclosing the clutch.

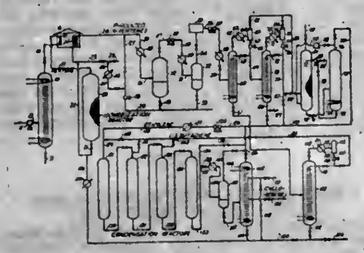
2,473,472

MANUFACTURE OF CYCLOHEXENE

Everett Gorin and Alex G. Oblad, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of Texas

Application April 15, 1946, Serial No. 662,154

2 Claims. (Cl. 260—666)



1. The process for the manufacture of cyclohexene which comprises pyrolyzing a mixture consisting substantially of 2-pentene and from 25 to 50 mol percent of 1-pentene in the presence of from about 3 to about 15 volumes of steam diluent per volume of pentenes at a temperature within the range of from 725° C. to 850° C. for a contact time of from about 0.05 to 0.5 second to decompose from 40 to 90 mol percent of said pentenes and to produce substantially equal molar quantities of ethylene and 1,3-butadiene, separating and recovering the ethylene and 1,3-butadiene from the pyrolyzed mixture, and condensing the 1,3-butadiene and ethylene to produce cyclohexene.

2,473,473

METHOD OF PREPARING REGENERATED CELLULOSE

Gordon D. Hiatt and Carlton L. Crane, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 5, 1945, Serial No. 576,364

5 Claims. (Cl. 106—168)

1. A method of preparing regenerated cellulose which comprises mixing together at a temperature not to exceed 37° F. cellulose having a viscosity not to exceed 200 centipoises, N_2O_4, an inert solvent compatible with N_2O_4 containing between 0.5 and 20% of water, and 0.5–20% of water, based on the weight of the N_2O_4, until solution of the cellulose occurs, followed by imparting a physical form to the solution and setting the so-formed solution.

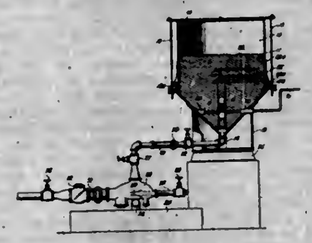
2,473,474

APPARATUS FOR ADDING POWDERED DYE TO LIQUIDS

Charles C. Keane, Kansas City, Mo., assignor to Great Lakes Pipe Line Company, Kansas City, Mo., a corporation of Delaware

Application October 29, 1945, Serial No. 625,235

3 Claims. (Cl. 259—4)



1. Apparatus for emptying a rigid container open at the top, comprising a funnel adapted to be inverted over the open top of the container, means for securing the funnel to the container when thus positioned, a support adapted thereafter to hold said container and funnel with the open end of the container down and the funnel therebelow, said support comprising a standard rigidly affixed to the funnel, and a horizontal platform upon which said standard is adapted to rest when the container is inverted with a funnel secured thereto.

2,473,475

WATER-SOLUBLE TRIAZINE CONDENSATION PRODUCTS AND A PROCESS OF MAKING SAME

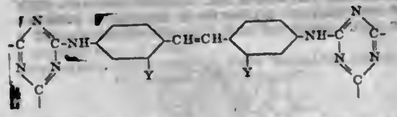
Ernst Keller and Reinhard Zweidler, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm

No Drawing. Application May 22, 1944, Serial No. 536,820. In Switzerland June 26, 1943

12 Claims. (Cl. 260—249.5)

1. A process for the manufacture of a water-soluble condensation product, which comprises heating in alkaline solution for a period of one

to several hours a stilbene-triazine compound of the formula



wherein the Y's represent identical members selected from the class consisting of the sulfonic acid group and the carboxylic acid group, and wherein at least one of the free valencies is taken up by an amino group, the remaining free valencies being taken up by a member selected from the group consisting of amino, phenylamino, sulfophenylamino and carboxyphenylamino, with an excess of formaldehyde.

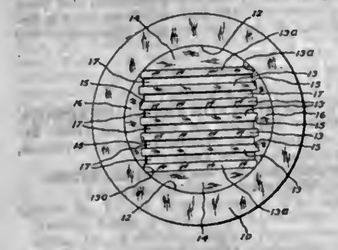
2,473,476

METHOD AND MOLD FOR MAKING BORON CARBIDE ARTICLES

James W. Knowlton, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application April 3, 1946, Serial No. 659,407

2 Claims. (Cl. 25—118)



1. A graphite mold assembly comprising a cylindrical outer mold body having a coaxial cylindrical bore therethrough, four cylindrical segments fitting in said bore to define a rectangular hole, there being a set of grooves in the otherwise flat surfaces of two of said segments which are placed opposite each other, the grooves in one segment being of the same size and spacing as those of the other segment, flat separator plates fitting in said grooves and extending across the rectangular hole to divide it into a number of cavities, and a set of flat plunger plates in each end of said cavities whereby the cavities may be filled with material to be pressed and sintered and then, after the cavities are closed by the plungers, the material may be molded by pressing the plungers and heating the entire mold, the ratio of the thickness of the separator plates to the plunger plates being between 1½ to 1 and ¾ to 1.

2,473,477

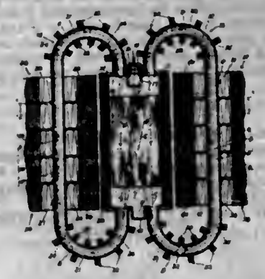
MAGNETIC INDUCTION DEVICE

Charles G. Smith, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application July 24, 1946, Serial No. 685,939

8 Claims. (Cl. 250—27.5)

1. A magnetic-induction device comprising: an evacuated envelope; a source of electrons, disposed in said envelope, for introducing electrons therein; a first magnetic structure, mounted adjacent said envelope, for establishing a first magnetic field transversely therethrough; said first magnetic field coacting with said electrons to subject them to a first force, causing the same to move in a first closed path; a second magnetic structure, linking said envelope, for inducing along said first closed path a first, time-varying electromotive force; said first, time-varying electromotive force coacting with the electrons moving in said first closed path to subject them to a second force, causing the same to become accelerated; means, mounted adjacent said first closed path, for establishing a third, force-producing field therethrough; said third, force-producing



field coacting with said accelerated electrons to displace the same from said first closed path; a third magnetic structure, mounted adjacent said envelope, for establishing a second magnetic field transversely therethrough; said second magnetic field coacting with said displaced electrons to subject them to a fourth force, causing the same to move in a second closed path; and a fourth magnetic structure, linking said envelope, for inducing along said second closed path a second, time-varying electromotive force; said second, time-varying electromotive force coacting with the electrons moving in said second closed path to subject them to a fifth force, causing the same to become additionally accelerated.

2,473,478

UTENSIL SUPPORT FOR GAS RANGES

Earle A. Stevens, Taunton, Mass., assignor to Glenwood Range Company, Taunton, Mass., a corporation of Massachusetts

Application October 25, 1945, Serial No. 624,492

2 Claims. (Cl. 126—214).



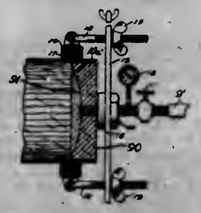
1. In a cooking range having a top with an opening in it, a support having a top edge and spaced butts rising above said edge, means for fixedly securing said support within said opening, fingers borne by said butts extending over the adjacent surface of said top, a ring resting upon and overlaying said top edge of the support, said ring being provided with cutout openings in it by which the ring may embrace said butts, and inwardly projecting fingers borne by said ring in end abutting relation to said butts and aligned with the fingers borne by said butts.

2,473,479
LAMP FOR ENDOSCOPIC INSTRUMENTS
Ignaz Suwa, Jackson Heights, N. Y., assignor to National Electric Instrument Co., Inc., Elmhurst, L. I., N. Y., a corporation of New York
Application September 20, 1948, Serial No. 50,229
3 Claims. (Cl. 176—16)



1. A cartridge type lamp for an endoscopic instrument, comprising an incandescent filament, a glass envelope, and a base having a plurality of flanges in spaced relation to each other, at least one of said flanges being adapted for grasping to remove the lamp from said endoscopic instrument.

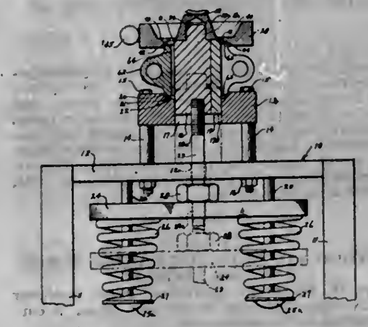
2,473,480
LOG IMPREGNATING DEVICE
Henry Svensson, New York, N. Y.; Agnes B. Svensson, administratrix of said Henry Svensson, deceased, assignor by mesne assignments, to Agnes B. Svensson, New York, N. Y.
Application March 9, 1943, Serial No. 478,529
1 Claim. (Cl. 21—63)



In an impregnating system for trees, logs and the like, in combination, a cap head comprising a length sawed off from the end of the tree to be impregnated and provided with a curved chamber extending into said length from the sawed end and with a through passage into said chamber, a valve controlled conduit connected to said passage and to sources of fluid media under pressure for admission of said media to said chamber, and clamping means for securing said length in fluid tight relation to the end of said tree in substantially its original positional relationship and for supporting said valve controlled conduit in its connected relation to said passage.

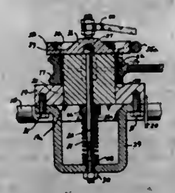
2,473,481
CASTING MACHINE FOR LINING BEARINGS
William Henry Tobener, Jr., Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 12, 1946, Serial No. 640,916
8 Claims. (Cl. 22—123)

4. A casting machine for lining bearings or the like which comprises a table, a work-supporting die detachably fixed in stationary relation to the top of the table in spaced relation above said top, said die having an aperture therethrough, a mandrel slidably mounted in said aperture, spring-pressed means acting on said mandrel and supported by said table for urging the mandrel upwardly through the work support, means acting in opposition to the thrust of said spring pressed means for retracting the mandrel through work on said support, a pour plate detachably seatable on and supported only by said mandrel, and a



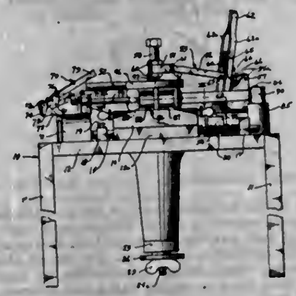
clamping device on said table for acting on said pour plate to clamp the work between the pour plate and work support and to adjust said mandrel downwardly to accommodate the size of the work.

2,473,482
CASTING MACHINE FOR LINING BEARINGS
William Henry Tobener, Jr., Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 4, 1946, Serial No. 667,414
10 Claims. (Cl. 22—123)



8. A casting machine adapted for lining bearings or the like which comprises a table having an aperture therein, guide rods slidably mounted on said table and spring-pressed toward an unlocked position, a die secured to said slidable rods having an aperture therein, a resiliently mounted mandrel slidable in the aperture of said die, a ring on said die for centering the segments of the bearing to be lined around the mandrel, a stop-pin mounted on said table, clamping means on said table for urging said bearings, said mandrel and said die laterally as a unit to clamp said bearing segments against said stop-pin, a pour plate mounted on said mandrel having ports communicating with the interior of the bearing segments around the mandrel, and a clamp movable against said pour plate for clamping said bearing segments between the pour plate and the die and for adjusting the length of the bearing forming surface of the mandrel to the length of the face of the bearing segments.

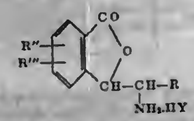
2,473,483
MOLD FOR LINING BEARINGS
William Henry Tobener, Jr., Cleveland, Ohio, and Carl V. Anderson, Portland, Oreg., assignors to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 12, 1946, Serial No. 696,474
14 Claims. (Cl. 22—123)



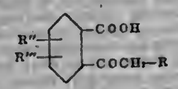
2. In a casting machine, a support, a member pivoted on said support for tilting movement relative to the support, ball bearings seated on said member, support plates pivoted on said ball bearings, die plates slidably positioned on said support plates, a mandrel mounted for slidable movement between said die plates, a pour plate removably positioned on said mandrel, and means for holding work pieces in position around said mandrel.

2,473,484
METHOD FOR THE PREPARATION OF AMINOPHTHALIDYLALKANES
Glenn E. Ullyot, Philadelphia, Pa., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 12, 1946, Serial No. 696,619
2 Claims. (Cl. 260—344.6)

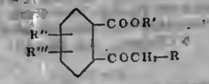
1. The method for preparing compounds as exemplified by the structure



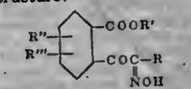
wherein R is a member of the group consisting of H, alkyl not in excess of 10 carbon atoms, aryl and aralkyl the alkyl portion of which has less than 6 carbon atoms; R'' and R''' are members of the group consisting of H, alkoxyl the alkyl portion of which has less than 6 carbon atoms, aralkyl the alkyl portion of which has less than 6 carbon atoms, alkyl of less than 6 carbon atoms; and Y is a strong mineral acid radical, which comprises esterifying a compound having the structure:



where R, R'' and R''' are as specified above, to produce a compound having the following structure:



where R, R'' and R''' are as specified above and R' is a member of the group consisting of alkyl, aryl and aralkyl groups; treating the last mentioned compound with a reagent from the group consisting of an alkyl nitrite-hydrogen chloride and nitrosyl chloride to produce a compound having the structure:



in which R, R', R'' and R''' are as specified above and reducing the last mentioned compound with hydrogen under pressure in the presence of a catalyst.

2,473,485
THERMAL OVERLOAD DEVICE
Samuel Ernest Vickers, Bloomington, Ill., assignor to Eureka Williams Corporation, Bloomington, Ill., a corporation of Michigan
Application January 6, 1948, Serial No. 733
4 Claims. (Cl. 171—252)

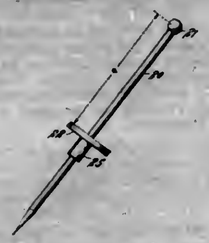


1. An electrical device comprising a casing having electrically energized means therein, a thermal overload device associated with said casing and responsive to the temperature of said means, said thermal overload device having a temperature responsive switch for opening a circuit through said electrically energized means above a predetermined safe operating temperature for said electrically energized means, a reset member projecting through an opening in said casing for movement inwardly of said casing for closing and resetting said switch, said overload device comprising resilient means for opposing said inward movement and for holding said reset member normally in an extended position within said opening, and actuating means for said reset member, said actuating means comprising a body covering the end of said reset member and disposed within said opening and closing said opening against access to said reset member from externally of said casing.

2,473,486
PREPARATION OF 1-CYANO-1,3-BUTADIENE
Paul H. Wise, Rocky River, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application June 17, 1947, Serial No. 755,233
4 Claims. (Cl. 260—465.9)

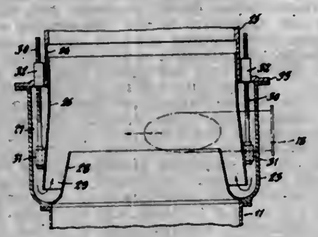
1. The method of producing 1-cyanobutadiene-1,3 which comprises acylating a difficultly separable mixture comprising essentially 1-cyanobutadiene-1,3 and 1-cyano-3-butene-2-ol and pyrolyzing the acylated mixture.

2,473,487
TIME-INTERVAL INDICATOR
Robert W. Byerly, New York, N. Y.
Application May 19, 1945, Serial No. 594,622
6 Claims. (Cl. 33—62)



3. A time-interval indicator, comprising a circular shadow-casting element, a dial in fixed relation to said element having a circle indicating the position of the shadow when the dial is in a plane perpendicular to the sun's rays and time graduations consisting of circles concentric with said circle and each radially distant therefrom by a distance intermediate between the distance which the shadow moves at the equinoxes in the time-interval represented by that circle and the distance which it moves at the solstices and the interval, and means under the dial for supporting it in a plane inclined to the horizontal.

2,473,488
VORTICAL CURRENT SEPARATOR
Burton S. Hughes, Buffalo, N. Y., assignor to Zaremba Company, Buffalo, N. Y., a corporation of Maine
Application June 16, 1945, Serial No. 599,924
4 Claims. (Cl. 209—211)



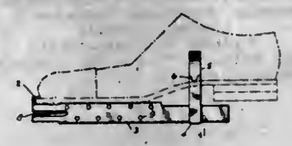
1. A classifier of the character described, comprising a vessel including a cylindrical section interposed therein and composed of inner and outer sleeve-like members disposed axially of the vessel and in spaced concentric relation to each other, the outer member being secured at its upper and lower ends to the opposing ends of the vessel and terminating at its lower end in an inwardly and upwardly directed annular flange spaced about the lower portion of the companion inner member to jointly provide therewith and with said outer section member an annular chamber substantially U-shaped in cross section, the outer portion of such chamber being closed at its top and having an intake for delivering the solution thereto in a tangential direction and the inner portion thereof opening upwardly into the vessel.

2,473,489
FLEXIBLE BAG WITH METAL GUSSET
Max Kaplan, New York, N. Y.
Application January 6, 1948, Serial No. 69,457
4 Claims. (Cl. 150—39)



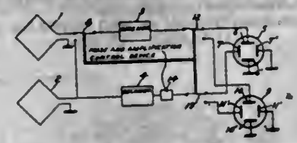
1. A lady's handbag having metal ends permanently connected by front, bottom and back walls made of soft flexible, non-metallic material, and a flexible openable closure at the top of the bag, said metal ends being expansible to facilitate access thru the top of the bag when opened, each of said ends consisting of two overlapping metal plates pivoted at a point near the bottom wall, one of said plates having a channel along its front edge which receives and is clamped about an edge of the flexible front wall, the other of said plates having a channel along its rear edge which receives and is clamped about an edge of the flexible rear wall, and motion limiting means to limit the pivotal relative movement of the plates.

2,473,490
MEANS TO STRAIGHTEN SHOE SOLES
Harald E. Lonngren, New York, N. Y.
Application September 21, 1948, Serial No. 50,280
1 Claim. (Cl. 12—129.1)



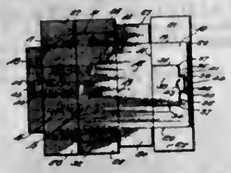
In a shoe sole straightening device of the externally attachable type, a substantially U-shaped straightening frame or bar having a spring action in its bent portion in the plane thereof, a lip formed integrally on the said bar at the bent portion thereof adapted to serve as a fixed anchorage for the tip of the shoe sole, a multiplicity of holes in the web portion of the U-branches through which ventilating and drying air passes so as to strike the underside of the shoe sole, a rectangular sleevelike locking member slidably mounted on the U-branches of the straightening bar and held in a desired position by virtue of the spring action in the bent portion of said bar, flexible shackles fastened in a substantially vertical position to the sides of said locking member, said shackles being provided with hooks and outwardly diverging portions adapted to spread apart when the shoe is inserted between them and automatically spring back and firmly grab hold of the shoe sole edge when this edge has passed over the hooks in said shackles.

2,473,491
DIRECTION FINDING DEVICE
Klaas Posthumus, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 8, 1947, Serial No. 727,403
In the Netherlands February 26, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 26, 1964
4 Claims. (Cl. 343—120)



1. A direction finding arrangement comprising first and second antenna having crossed directive patterns, first and second radio receivers, means to switch at a predetermined rate the first receiver input to the first antenna and in parallel with the input of the said second receiver selectively, means to couple the second receiver to the second antenna, means to vary the signal amplitude and signal phase response of one of said receivers, a cathode ray indicator having noncoplanar deflecting electrodes, an auxiliary voltage indicating means, and means to switch at the said predetermined rate the output of said receivers to the respective noncoplanar deflecting electrodes of said cathode ray indicator and to the auxiliary indicating means selectively.

2,473,492
RECLOSABLE CARTON
Frank C. Shina, Thomson, N. Y., assignor to United Board & Carton Corporation, a corporation of New Jersey
Application August 1, 1945, Serial No. 608,168
2 Claims. (Cl. 229—17)

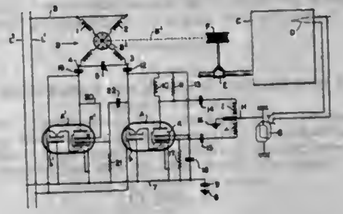


1. A blank for reclosable cartons comprising a rectangular bottom panel having sides and ends, front and rear side panels extending from the sides of the bottom panel and divided therefrom by fold lines, and panels extending from the ends of the bottom panel and divided therefrom by fold lines, a sealing strip extending from the free edge of the front side panel and divided therefrom by a fold line, a top panel extending from the free edge of the rear side panel and divided therefrom by a fold line, and flaps extending from the ends of the front and rear side panels and divided therefrom by fold lines, said top panel having window portion extending from the fold line between the top panel and the rear side panel, said window portion being partially severed toward the free edge of the top panel and being divided along weakened lines running from the partially severed part back to the fold line between the top panel and rear side panel, said window portion having a partially severed tab adjacent the free edge of the top panel, said sealing strip having a locking tab adjacent its free edge and divided by a severed substantially U-shaped line, and end flaps extending from the ends of the top panel and divided therefrom by fold lines.

2,473,493
STABILIZING EVAPORATED MILK
Herbert E. Otting, Westerville, and Lewis H. Chrysler and Emory F. Almy, Columbus, Ohio, assignors to M & R Dietetic Laboratories, Inc., a corporation of Ohio
No Drawing. Application September 11, 1946, Serial No. 696,360
11 Claims. (Cl. 99—55)

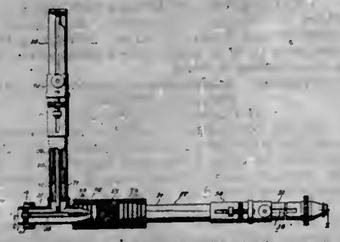
1. In the processing of fluid milk products to secure non-solid products containing an increased proportion of milk solids and wherein the fluid milk product under treatment is subjected to temperatures exceeding about 150° F., the method of controlling and stabilizing the viscosity and curd forming effects of the high temperature treatment which comprises incorporating therein a minor proportion of mineral modified milk solids having a calcium to phosphorus ratio in the range from about 0.15 to about 0.75.

2,473,494
ELECTRIC MOTOR CONTROL APPARATUS
William H. Wannamaker, Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 12, 1945, Serial No. 634,558
9 Claims. (Cl. 318—207)



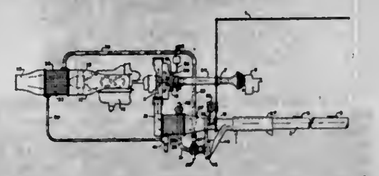
1. A control system comprising in combination a regulating mechanism including two windings and adapted to produce different effects accordingly as one or another of said windings is operatively energized, energizing means separately associated with each of said windings and comprising a condenser, an electronic valve unit and connecting means for connecting the winding and its associated condenser and valve unit in series to a source of alternating current, each of said valve units comprising a diode valve and a valve having a control grid and comprising an input circuit including the control grid and cathode of the control grid valve, and an output circuit including the anodes and cathodes of both valves of the unit, the two valves of each unit being inversely connected to pass current in opposite directions through the associated winding and condenser during successive half cycles of alternating current supplied by said source, and means actuated by a change in a control quantity for impressing a control signal on the input circuit of one or the other of said control grid valves accordingly as said change is in one direction or in the opposite direction.

2,473,495
MICROWAVE WATTMETER
Hugh E. Webber, Williston Park, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application December 8, 1943, Serial No. 513,164
13 Claims. (Cl. 171—95)



13. In a microwave measuring instrument, the combination of a section of coaxial transmission line short-circuited at one end for high frequency waves, said line comprising an inner conductor and a tubular outer conductor, a resistance element connected in series with said inner conductor adjacent to said end, adjustable susceptance means connected across said line at the end of said resistance element remote from said one end, said line having a fixed length adjacent said element, said susceptance means cooperating with said fixed length to match the conductance of said element with the characteristic conductance of said line at the end of said fixed length remote from said element, fixed susceptance means on said inner conductor at said last end.

2,473,496
AIR CONDITIONING SYSTEM
Waldemar F. Mayer, Los Angeles, Calif., assignor to The Garrett Corporation, Los Angeles, Calif., a corporation of California
Application October 11, 1944, Serial No. 558,148
17 Claims. (Cl. 257—3)

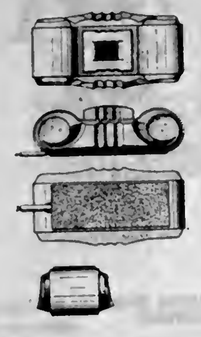


1. In an air conditioning system, air pumping means, a duct for conveying air under pressure from said pumping means to an enclosure to be conditioned, power operated means for conditioning the air flowing in said duct, an air motor for driving said last means, and means including a temperature controlled valve mechanism for bypassing air from said duct through said air motor and back to said duct.

DESIGNS

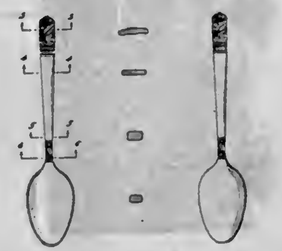
JUNE 14, 1949

154,090
DESIGN FOR A CIGARETTE LIGHTER
John T. Adams, Roslyn, N. Y.
Application August 23, 1948, Serial No. 148,248
Term of patent 3½ years
(Cl. D48—27)



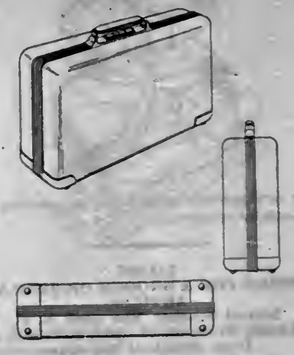
The ornamental design for a cigarette lighter, as shown.

154,091
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Grosvenor N. Allen and William H. Gerth, Oneida, N. Y., assignors to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application June 23, 1948, Serial No. 147,136
Term of patent 14 years
(Cl. D54—12)



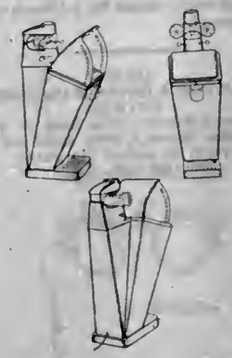
The ornamental design for a spoon or similar article, substantially as shown and described.

154,092
DESIGN FOR A VALISE OR SIMILAR ARTICLE
Richard H. Arbib, Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 9, 1947, Serial No. 143,060
Term of patent 14 years
(Cl. D87—5)



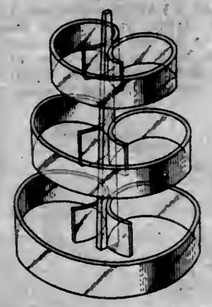
The ornamental design for a valise or similar article, substantially as shown and described.

154,093
DESIGN FOR A MICROFILM PROJECTOR OR SIMILAR ARTICLE
John T. Armbruster, Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 22, 1948, Serial No. 146,531
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a microfilm projector or similar article, substantially as shown and described.

154,094
DESIGN FOR AN EARRING RACK
Kenneth R. Armstrong, Battle Creek, Mich., assignor by decree of court to Catherine C. Armstrong
Application February 17, 1948, Serial No. 144,548
Term of patent 14 years
(Cl. D80—9)



The ornamental design for an earring rack, substantially as shown.

154,095
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application February 23, 1949, Serial No. 1,005
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, as shown.

154,096
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application March 3, 1949, Serial No. 1,187
Term of patent 3½ years
(Cl. D45—19)



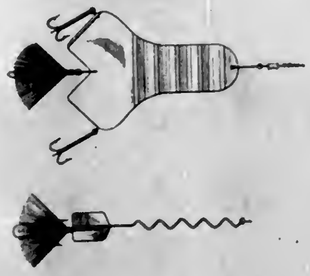
The ornamental design for a brooch or similar article, as shown.

154,097
DESIGN FOR A NURSERY LAMP
Edward Brenner, Hollywood, Calif.
Application June 11, 1947, Serial No. 139,582
Term of patent 7 years
(Cl. D48—20)



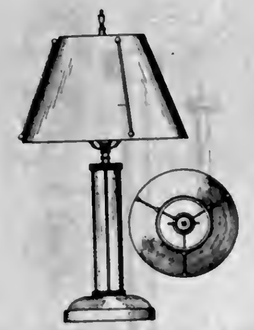
The ornamental design for a nursery lamp, as shown and described.

154,098
DESIGN FOR A FISH LURE
Wayne H. Carr, Kalamazoo, Mich.
Application May 7, 1947, Serial No. 138,866
Term of patent 3½ years
(Cl. D31—4)



The ornamental design for a fish lure, as shown.

154,099
DESIGN FOR A TABLE LAMP
Vincent Casmara, New York, N. Y.
Application January 17, 1947, Serial No. 136,209
Term of patent 3½ years
(Cl. D48—20)



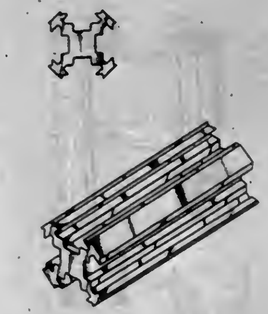
The ornamental design for a table lamp, substantially as shown.

154,100
DESIGN FOR A LACE TABLECLOTH
Francesco Paolo Castorani, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application April 22, 1948, Serial No. 145,912
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

154,101
DESIGN FOR AN EXTRUDED METAL SHOWCASE FITTING
Thorp Clive Cowdroy, Balgowlah, near Sydney, New South Wales, Australia
Application February 5, 1948, Serial No. 144,314
Term of patent 7 years
(Cl. D54—2)



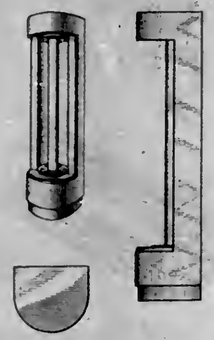
1. The ornamental design for an extruded metal showcase fitting, as shown.

154,102
DESIGN FOR A SPECTACLE FRAME
Mafalda Davis, New York, N. Y.
Application July 25, 1947, Serial No. 140,501
Term of patent 7 years
(Cl. D57—1)



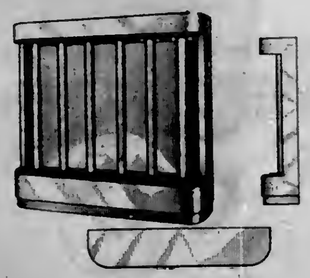
The ornamental design for a spectacle frame, as shown.

154,103
DESIGN FOR A RACK OR THE LIKE FOR BILLIARD CUES
Donald Deskey, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application September 20, 1947, Serial No. 141,507
Term of patent 14 years
(Cl. D34—3)



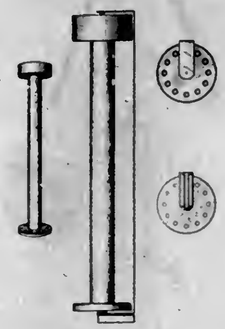
The ornamental design for a rack or the like for billiard cues, as shown.

154,104
DESIGN FOR A RACK OR THE LIKE FOR BILLIARD CUES
Donald Deskey, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application September 20, 1947, Serial No. 141,508
Term of patent 14 years
(Cl. D34—3)



The ornamental design for a rack or the like for billiard cues, as shown.

154,105
DESIGN FOR A RACK OR THE LIKE FOR BILLIARD CUES
Donald Deskey, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application September 20, 1947, Serial No. 141,509
Term of patent 14 years
(Cl. D34—3)



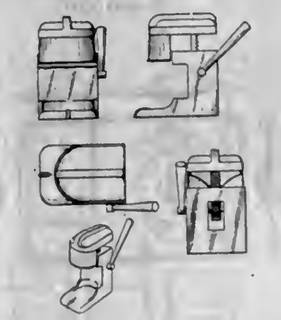
The ornamental design for a rack or the like for billiard cues, as shown.

154,106
DESIGN FOR A LIPSTICK CONTAINER
Enrico Donati, New York, N. Y., assignor to Lady Esther, Ltd., Chicago, Ill., a corporation of Illinois
Application May 6, 1947, Serial No. 138,844
Term of patent 14 years
(Cl. D86—10)



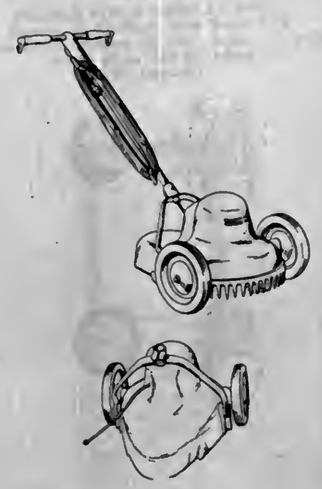
The ornamental design for a lipstick container, as shown.

154,107
DESIGN FOR A CAN OPENER
Joseph B. Donnelly, Burlingame, Calif., assignor to Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware
Application December 17, 1947, Serial No. 143,176
Term of patent 14 years
(Cl. D22—2)



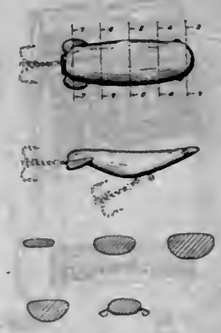
The ornamental design for a can opener, as shown.

154,108
DESIGN FOR AN ELECTRIC DRIVEN LAWN MOWER
Albert Edwin Emmons, Lockport, N. Y., assignor to Rumsey Products, Inc., Seneca Falls, N. Y., a corporation of New York
Application December 18, 1946, Serial No. 135,590
Term of patent 14 years
(Cl. D40—1)



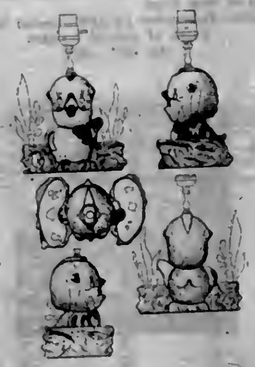
The ornamental design for an electric driven lawnmower, substantially as shown.

154,109
DESIGN FOR A FISHING LURE
George B. Espey and Gilbert D. Waite, Cleveland, Ohio
Application June 2, 1947, Serial No. 139,408
Term of patent 14 years
(Cl. D31—4)



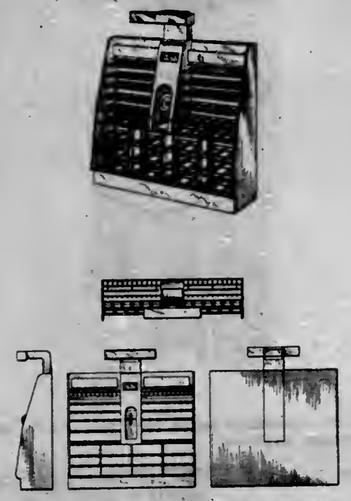
The ornamental design for a fishing lure, substantially as shown.

154,110
DESIGN FOR A PLANTER LAMP
John E. Everett, Evanston, Ill., assignor to Herman Kravitz, Chicago, Ill.
Application June 3, 1948, Serial No. 146,736
Term of patent 3½ years
(Cl. D48—20)



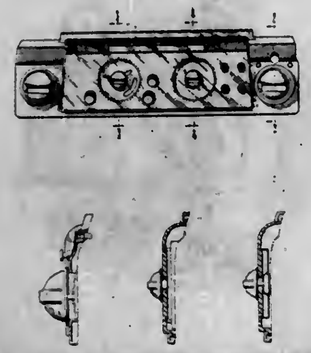
The ornamental design for a planter lamp, as shown and described.

154,111
DESIGN FOR A COMBINED DISPLAY RACK AND COLOR SELECTOR
Robert L. Falkenberg, Mission, Kans.
Application April 26, 1948, Serial No. 145,971
Term of patent 7 years
(Cl. D86—9)



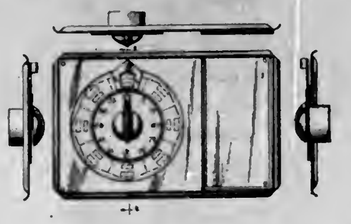
The ornamental design for a combined display rack and color selector, as shown.

154,112
DESIGN FOR A COOKING RANGE CONTROL PANEL UNIT
Montgomery Ferar, Detroit, Mich., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 10, 1947, Serial No. 143,092
Term of patent 7 years
(Cl. D81—25)



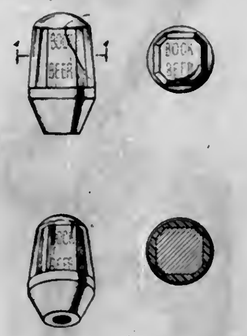
The ornamental design for a cooking range control panel unit, substantially as shown.

154,113
DESIGN FOR AN INDICATOR CONTROL PANEL UNIT FOR STOVES
Edward A. Fink, Chicago, Ill.
Application December 29, 1947, Serial No. 143,427
Term of patent 14 years
(Cl. D61—25)



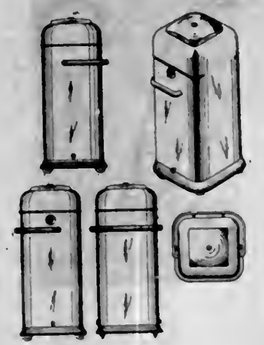
The ornamental design for an indicator control panel unit for stoves, as shown and described.

154,114
DESIGN FOR A TAP HANDLE
Francis C. Fisher, Syracuse, N. Y.
Application August 19, 1948, Serial No. 148,188
Term of patent 14 years
(Cl. D2—3)



The ornamental design for a tap handle, as shown.

154,115
DESIGN FOR A CABINET FOR AUTOMOTIVE LUBRICATION EQUIPMENT
Alexander P. Fox, University City, and August D. Reisert, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application March 15, 1947, Serial No. 137,625
Term of patent 7 years
(Cl. D52—2)



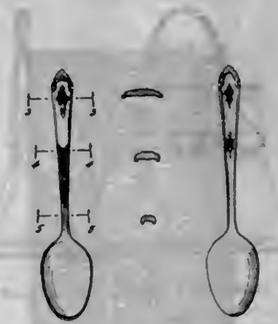
The ornamental design for a cabinet for automotive lubrication equipment, substantially as shown.

154,116
DESIGN FOR A DISPLAY BOX
Samuel H. Geffner, New York, N. Y.
Application November 28, 1947, Serial No. 142,839
Term of patent 3½ years
(Cl. D80—5)



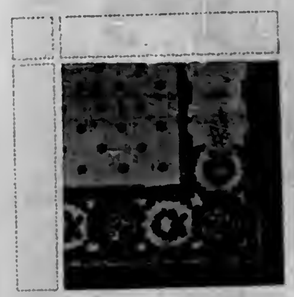
The ornamental design for a display box, substantially as shown and described.

154,117
DESIGN FOR A SPOON OR SIMILAR ARTICLE
William H. Gerth, Oneida, N. Y., assignor to Oneida Ltd., Oneida, N. Y., a corporation of New York
Application September 23, 1948, Serial No. 148,720
Term of patent 14 years
(Cl. D54—12)



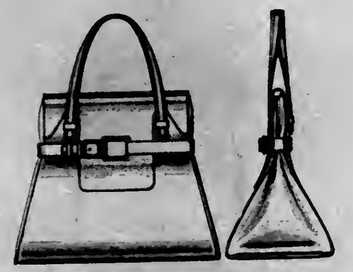
The ornamental design for a spoon or similar article, substantially as shown and described.

154,118
DESIGN FOR A SCARF
Rose Gottschalk, New York, N. Y., assignor to Edgar C. Hyman Co., Inc., New York, N. Y., a corporation of New York
Application May 25, 1948, Serial No. 146,592
Term of patent 3½ years
(Cl. D3—12)



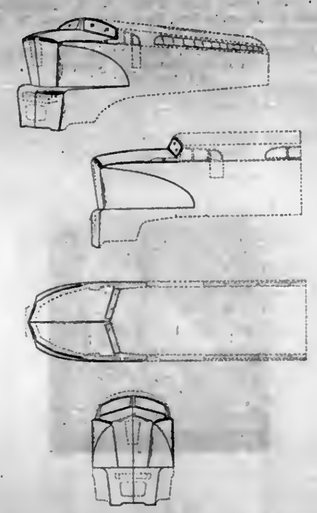
The ornamental design for a scarf, substantially as shown and described.

154,119
DESIGN FOR A HANDBAG
Edgar F. Gumbrill, Walsall, England, assignor to Greatrex Ltd., New York, N. Y., a corporation of New York
Application May 29, 1948, Serial No. 146,693
Term of patent 14 years
(Cl. D87—3)



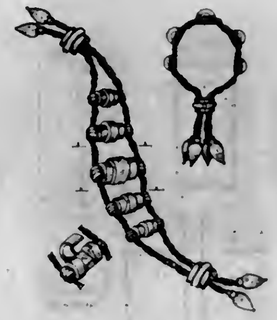
The ornamental design for a handbag, as shown.

154,120
DESIGN FOR A LOCOMOTIVE BODY
Donald L. Hadley, Meriden, Carleton B. Ryder, Huntington, and Nicholas F. Pedersen, New Hartford, Conn., assignors to The Baldwin Locomotive Works, Eddystone, Pa., a corporation of Pennsylvania
Application September 3, 1947, Serial No. 141,188
Term of patent 3½ years
(Cl. D66—1)



The ornamental design for a locomotive body, substantially as shown and described.

154,121
DESIGN FOR A COMBINED WATCH AND BRACELET
Abbot A. Harman, New York, N. Y.
Application January 11, 1949, Serial No. 169
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a combined watch and bracelet, as shown.

154,122
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application April 22, 1948, Serial No. 145,913
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

154,123
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application February 4, 1949, Serial No. 690
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

154,124
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application April 30, 1949, Serial No. 2,367
Term of patent 7 years
(Cl. D92—26)



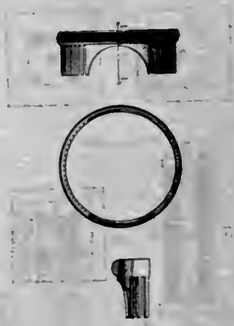
The ornamental design for a lace tablecloth, substantially as shown and described.

154,125
DESIGN FOR A LACE TABLECLOTH
Howard Hooven, Doylestown, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application April 30, 1949, Serial No. 2,369
Term of patent 14 years
(Cl. D92—26)



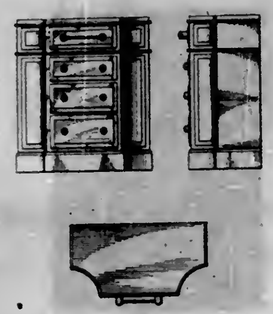
The ornamental design for a lace tablecloth, substantially as shown and described.

154,126
DESIGN FOR A ROUND COMB
Robert Humphreys, Menlo Park, Calif.
Application January 20, 1948, Serial No. 143,892
Term of patent 14 years
(Cl. D86—8)



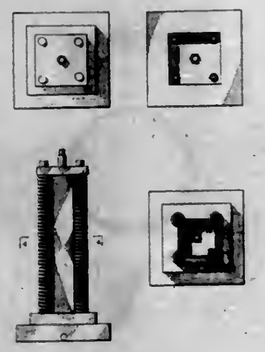
The ornamental design for a round comb, as shown.

154,127
DESIGN FOR A COIN BANK
Arthur Frank Klingberg, Chicago, Ill., assignor to Park Sherman Co., Springfield, Ill., a corporation of Illinois
Application September 8, 1947, Serial No. 141,243
Term of patent 7 years
(Cl. D34—11)



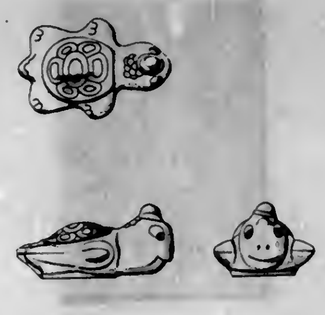
The ornamental design for a coin bank, substantially as shown.

154,128
DESIGN FOR A LAMP STANDARD OR SIMILAR ARTICLE
Frank Lascow, New York, N. Y.
Application September 24, 1948, Serial No. 148,755
Term of patent 7 years
(Cl. D48—20)



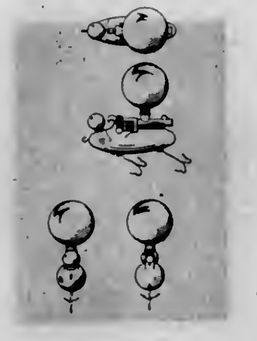
The ornamental design for a lamp standard or similar article, as shown.

154,129
DESIGN FOR A TOY TURTLE OR SIMILAR ARTICLE
Ludwig Leaf, Forest Hills, N. Y., assignor to Empire Plastic Corporation, New York, N. Y.
Application April 17, 1948, Serial No. 145,791
Term of patent 3½ years
(Cl. D34—2)



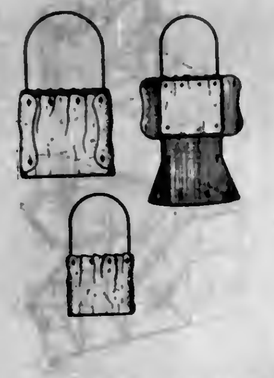
The ornamental design for a toy turtle or similar article, substantially as shown.

154,130
DESIGN FOR A NOVELTY FISH LURE
Desire O. Le Moine, Akron, Ohio
Application November 20, 1947, Serial No. 142,683
Term of patent 14 years
(Cl. D31—4)



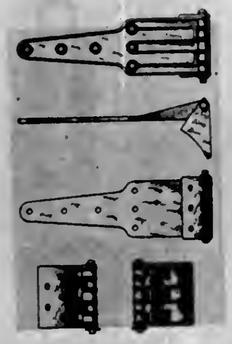
The ornamental design for a novelty fish lure, as shown.

154,131
DESIGN FOR A HANDBAG
Rudolph Lebel, New York, N. Y., assignor to Friedman-Lebel, Inc., New York, N. Y., a corporation of New York
Application May 27, 1948, Serial No. 146,635
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown.

154,132
DESIGN FOR A HINGE
Harvey J. Lounsbury, Glen Ellyn, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application July 20, 1946, Serial No. 131,785
Term of patent 14 years
(Cl. D10—9)



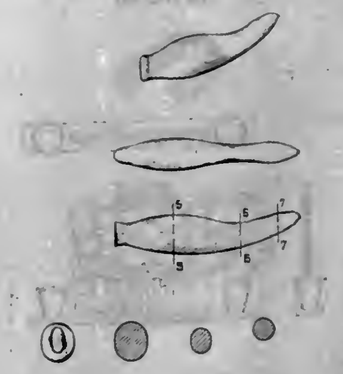
The ornamental design for a hinge, as shown.

154,133
DESIGN FOR A SPECTACLE FRAME
Aurel E. Maagold, New York, N. Y.
Application July 3, 1946, Serial No. 131,378
Term of patent 3½ years
(Cl. D57—1)



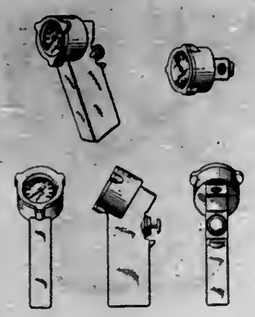
The ornamental design for a spectacle frame, as shown and described.

154,134
DESIGN FOR A KNIFE HANDLE
Ward McMillen, Toledo, Ohio
Application October 30, 1947, Serial No. 142,223
Term of patent 14 years
(Cl. D44—29)



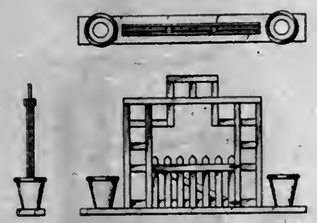
The ornamental design for a knife handle, substantially as shown.

154,135
DESIGN FOR A TIRE INFLATOR
Archibald R. Moffett, Orinda, Calif.
Application April 19, 1948, Serial No. 145,805
Term of patent 14 years
(Cl. D62—1)



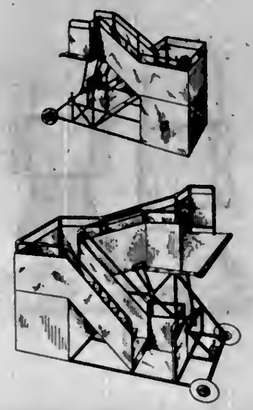
The ornamental design for a tire inflator, substantially as shown.

154,136
DESIGN FOR A COMBINED FLOWER STAND AND TRELLIS
Thomas S. Morris, Birmingham, Ala.
Application March 3, 1947, Serial No. 137,291
Term of patent 3½ years
(Cl. D35—3)



The ornamental design for a combined flower stand and trellis, substantially as shown.

154,137
DESIGN FOR A PASSENGER LOADING RAMP
Procter W. Nichols, Colorado Springs, Colo.
Application December 19, 1947, Serial No. 142,239
Term of patent 14 years
(Cl. D14—3)



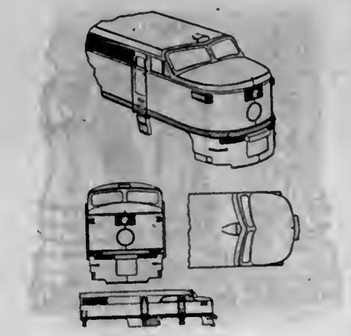
The ornamental design for a passenger loading ramp, as shown.

154,138
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application March 11, 1949, Serial No. 1,367
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

154,139
DESIGN FOR A LOCOMOTIVE BODY OR THE LIKE
Ray Patten, Norwalk, Conn., assignor to General Electric Company, a corporation of New York
Application October 12, 1946, Serial No. 133,898
Term of patent 3½ years
(Cl. D46—1)



The ornamental design for a locomotive body or the like, substantially as shown and described.

154,140
DESIGN FOR A KNITTING BAG OR SIMILAR ARTICLE
Paul R. Peak, Jr., Hamden, Conn.
Application February 12, 1947, Serial No. 136,866
Term of patent 3½ years
(Cl. D3—19)



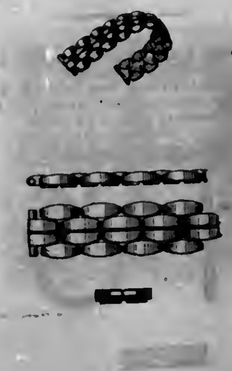
The ornamental design for a knitting bag or similar article, substantially as shown.

154,141
DESIGN FOR A FISHING SPINNER OR SIMILAR ARTICLE
Sven A. Pilblad, Boston, Mass.
Application March 6, 1947, Serial No. 137,369
Term of patent 7 years
(Cl. D31—4)



The ornamental design for a fishing spinner or similar article, substantially as shown.

154,142
DESIGN FOR A WRIST BAND
Alfred Pinson, Stamford, Conn., assignor to Apex Accessories Co., Inc., New York, N. Y.
Application March 16, 1949, Serial No. 1,426
Term of patent 14 years
(Cl. D45—4)



The ornamental design for a wrist band, as shown.

154,143
DESIGN FOR A COMBINATION COCKTAIL TABLE, RADIO AND PHONOGRAPH CABINET
Thomas C. Reed, Washington, D. C.
Application September 10, 1947, Serial No. 141,497
Term of patent 7 years
(Cl. D58—4)



The ornamental design of a combination cocktail table, radio and phonograph cabinet, as shown.

154,144
DESIGN FOR A FINGER PULL FOR ZIPPERS AND THE LIKE
Daniel I. Reiter, New York, N. Y.
Application June 16, 1947, Serial No. 139,709
Term of patent 14 years
(Cl. D17—8)



The ornamental design for a finger pull for zippers and the like, substantially as shown.

154,145
DESIGN FOR A LAMP BASE
Joseph Roemer, Kirkwood, Mo., assignor to Pidgeon Vitrified China Company, Barnhart, Mo., a corporation of Missouri
Application August 6, 1948, Serial No. 147,976
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a lamp base, substantially as shown.

154,146
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,811
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,147
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,812
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,148
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,813
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,149
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,816
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,150
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,817
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,151
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,816
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,152
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,820
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,153
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,823
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,154
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,824
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,155
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,825
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,156
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,826
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,157
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,827
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,158
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,828
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,159
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,829
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,160
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,830
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,161
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,831
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,162
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,832
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,163
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,834
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,164
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,835
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,165
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,836
Term of patent 14 years
(Cl. D18—2)



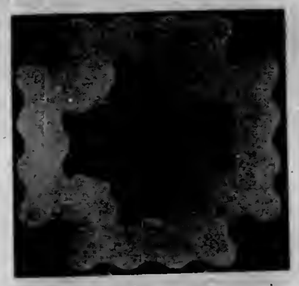
The ornamental design for a tile floor and wall covering, as shown and described.

154,166
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,837
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,167
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,838
Term of patent 14 years
(Cl. D18—2)



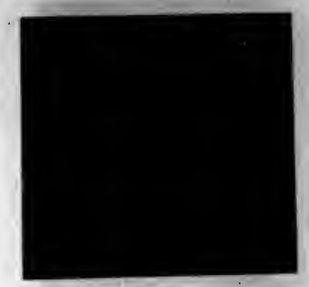
The ornamental design for a tile floor and wall covering, as shown and described.

154,168
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,839
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,169
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,840
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,170
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,841
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,171
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,842
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,172
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,843
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor, and wall covering, as shown and described.

154,173
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,844
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor, and wall covering, as shown and described.

154,174
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,847
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,175
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,848
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,176
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,849
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,177
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,850
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,178
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,853
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,179
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,856
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,180
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,857
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,181
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,859
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,182
DESIGN FOR A FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,860
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,183
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,861
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,184
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1946, Serial No. 148,862
Term of patent 14 years
(Cl. D18—2)



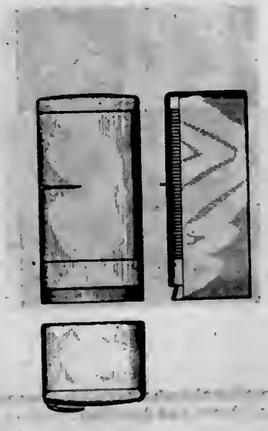
The ornamental design for a tile floor and wall covering, as shown and described.

154,185
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,863
Term of patent 14 years
(Cl. D18—2)



The ornamental design for a tile floor and wall covering, as shown and described.

154,186
DESIGN FOR A REFRIGERATOR
Ray C. Sandin, Oak Park, Ill., assignor to Hotpoint Inc., a corporation of New York
Application February 25, 1948, Serial No. 144,732
Term of patent 14 years
(Cl. D67—3)



The ornamental design for a refrigerator, as shown and described.

154,186—Continued



The ornamental design for a refrigerator, as shown and described.

154,187
DESIGN FOR A REFRIGERATOR
Ray C. Sandin, Oak Park, Ill., assignor to Hotpoint Inc., a corporation of New York
Application February 25, 1948, Serial No. 144,733
Term of patent 14 years
(Cl. D67—3)



The ornamental design for a refrigerator, as shown and described.

154,188
DESIGN FOR A REFRIGERATOR
Ray C. Sandin, Oak Park, Ill., assignor to Hotpoint Inc., a corporation of New York
Application March 3, 1948, Serial No. 144,892
Term of patent 14 years
(Cl. D67—3)



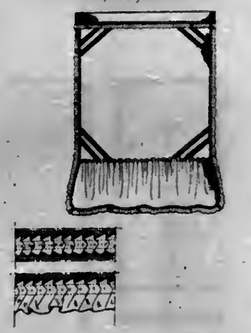
The ornamental design for a refrigerator, as shown and described.

154,189
DESIGN FOR A PLANE
Edwin G. Simon, San Francisco, Calif.
Application November 10, 1948, Serial No. 149,550
Term of patent 14 years
(Cl. D93—4)



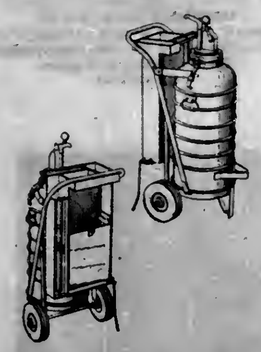
The ornamental design for a plane, substantially as shown.

154,190
DESIGN FOR A CURTAIN
Leonard Singer, New York, N. Y.
Application February 3, 1948, Serial No. 144,227
Term of patent 14 years
(Cl. D47—6)



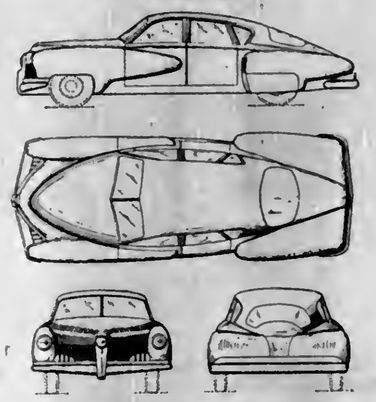
The ornamental design for a curtain, substantially as shown.

154,191
DESIGN FOR A PORTABLE BEVERAGE DISPENSER
Burton O. Smith, Chicago, Ill., assignor to Vacuum Can Company, Chicago, Ill., a corporation of Illinois
Application June 8, 1948, Serial No. 146,831
Term of patent 14 years
(Cl. D2—3)



The ornamental design for a portable beverage dispenser, substantially as shown.

154,192
DESIGN FOR AN AUTOMOBILE
Preston T. Tucker, Ypsilanti, Mich., assignor to Tucker Corporation, Chicago, Ill., a corporation of Delaware
Application March 15, 1947, Serial No. 137,626
Term of patent 3½ years
(Cl. D14—3)



The ornamental design for an automobile, substantially as shown and described.

154,193
DESIGN FOR A LACE TABLECLOTH
William Wolf, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application April 21, 1948, Serial No. 145,889
Term of patent 14 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A/S M. Aaraleff & Co., Copenhagen, Denmark. Cologne, toilet water, hair lotions, etc. Serial No. 655,644, June 14. Class 6.

Abel & Bach, Inc., Milwaukee, Wis. Suitcases. Serial No. 548,703, June 14. Class 3.

Abraham & Straus, Inc., Brooklyn, N. Y. Bath room scales. Serial No. 562,429, June 14. Class 26.

Adels, L., Company, assignor to Winton Watch Company, Inc., New York, N. Y. Watches, watch cases, watch movements and parts thereof. Serial Nos. 534,076–7, June 14. Class 27.

Afro-American Company of Baltimore City, The, Baltimore, Md. Newspapers. Serial Nos. 529,125–6, June 14. Class 38.

Afro-American Company of Baltimore City, The, Baltimore, Md. Newspapers. Serial Nos. 529,128–9, June 14. Class 38.

American Battery Mfg. Company, doing business as Century Battery Company, Kansas City, Mo., and Kansas City, Kans. Electric storage batteries. Serial No. 549,770, June 14. Class 21.

American Distilling Company, The, Pekin, Ill., and New York, N. Y. Whiskey. Serial No. 554,288, June 14. Class 49.

American Laundry Machinery Company, The, Cincinnati, Ohio. Dry-cleaning mechanism and apparatus. Serial No. 535,371, June 14. Class 24.

American Laundry Machinery Company, The, Cincinnati, Ohio. Burnishing machines. Serial No. 550,987, June 14. Class 23.

American Pulley Company, The, Philadelphia, Pa. Flexible drive belts. Serial No. 549,602, June 14. Class 34.

American Rolling Mill Company, Middletown, Ohio, now by change of name Armco Steel Corporation. Silicon steel sheet materials. Serial No. 517,811, June 14. Class 21.

American Saw Mill Machinery Company, Hackettstown, N. J. Saw mills. Serial No. 550,476, June 14. Class 23.

American Tobacco Company, The, New York, N. Y. Smoking tobacco. Serial No. 552,108, June 14. Class 17.

American Tobacco Company, The, New York, N. Y. Smoking tobacco. Serial No. 553,004, June 14. Class 17.

Ames, B. C., Co., Waltham, Mass. Dial micrometer gauges, dial micrometer indicators, dial comparators, etc. Serial No. 515,247, June 14. Class 26.

Apex Hosiery Company, Philadelphia, Pa. Hosiery. Serial No. 550,289, June 14. Class 39.

Apex Hosiery Company, Philadelphia, Pa. Hosiery. Serial No. 550,291, June 14. Class 39.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Bath and toilet soaps. Serial No. 559,413, June 14. Class 4.

Arenco Aktiebolag, Stockholm, Sweden. Match making machines; cigars and cigarette machines; machines for disintegrating, etc. Serial No. 521,422, June 14. Class 23.

Armco Steel Corporation: *See*—
American Rolling Mill Company.

Armour and Company, Chicago, Ill. Coated abrasive products. Serial No. 529,858, June 14. Class 4.

Armour and Company, Chicago, Ill. Soap. Serial No. 548,456, June 14. Class 4.

Armstrong Cork Company, Lancaster, Pa. Electrical insulators of glass. Serial No. 524,932, June 14. Class 21.

Associated Products, Inc., Chicago, Ill., assignor to Chen Yu, Inc., New York, N. Y. Lipstick and nail lacquer. Serial No. 537,961, June 14. Class 6.

Atlantic Manufacturing Company: *See*—
Beyer, Herbert G.

Austin, Nichols & Co., Incorporated, Brooklyn, N. Y. Wine and vermouth. Serial No. 555,725, June 14. Class 47.

Austin, Nichols & Co., Incorporated, Brooklyn, N. Y. Brandy, cognac, alcoholic cocktails, etc. Serial No. 555,726, June 14. Class 49.

Bull Company, The, Chicago, Ill. Watches, watch movements, and parts of watches. Serial No. 558,903, June 14. Class 27.

Baracuta, (Clothiers) Limited, Manchester, England. Clothing. Serial No. 514,097, June 14. Class 39.

Barbara Dance Frocks: *See*—
Citron, Samuel.

Barclay Knitwear Co., Inc., Kingston and New York, N. Y. Boys' polo shirts. Serial No. 545,422, June 14. Class 39.

Berdach Bros. Inc., Indianapolis, Ind. Jewelry. Serial No. 546,696, June 14. Class 28.

Bausch & Lomb Optical Company, Rochester, N. Y. Sun glasses. Serial No. 560,965, June 14. Class 26.

Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle frames and mountings. Serial No. 560,963, June 14. Class 26.

Beacon Devices, North Tonawanda, N. Y. Metal flasks. Serial No. 522,835, June 14. Class 23.

Beard, L. O., Tool Company, Lancaster, Pa. Reamers, bushing removers and inserters, pistons, etc. Serial No. 545,944, June 14. Class 23.

Beh and Company, Incorporated, New York, N. Y. Rubber bath mats. Serial No. 543,874, June 14. Class 50.

Belvedere Hosiery Company, Charlotte, N. C. Ladies' hosiery. Serial No. 549,112, June 14. Class 39.

Beyer, Herbert G., doing business as Atlantic Manufacturing Company, Baltimore, Md. Flavoring extracts and syrups. Serial No. 533,838, June 14. Class 45.

Bib-Ex Corporation, St. Louis, Mo. Disposable baby bibs fabricated of paper. Serial No. 521,316, June 14. Class 37.

Blue Suds Company, Detroit, Mich. Washing compound. Serial No. 565,607, June 14. Class 4.

Blum & Bergeron, Houma, La. Dried shrimp. Serial No. 541,500, June 14. Class 46.

Bonanni, Carmine C., doing business as Embassy Hosiery Sales, Philadelphia, Pa. Women's hosiery. Serial No. 550,115, June 14. Class 39.

Boosey & Hawkes Limited, London, England. Strings for musical instruments. Serial No. 488,868, June 14. Class 36.

Booth, Morris F., Alden, Mich. Toys. Serial No. 506,967, June 14. Class 22.

Bova, A., Manteca, Calif. Fresh grapes. Serial No. 538,339, June 14. Class 46.

Bridgeport Fabrics, Inc., Bridgeport, Conn. Rubberized fabric weather stripping. Serial No. 514,175, June 14. Class 12.

Brown & Bigelow, St. Paul, Minn. Writing instruments. Serial No. 547,012, June 14. Class 37.

Buehler, H. L., Hubbard Woods, Ill. Ladies' coats, suits, dresses, etc. Serial No. 527,857, June 14. Class 39.

Bulova Watch Company, Inc., New York, N. Y. Men's and ladies' watches. Serial No. 523,750, June 14. Class 27.

Bulova Watch Company, Inc., New York, N. Y. Men's and ladies' watches. Serial No. 523,763, June 14. Class 27.

Burgess Battery Company, Chicago, Ill. Portable electric engraving and cutting implements. Serial No. 527,974, June 14. Class 21.

Burrell Technical Supply Company, Pittsburgh, Pa. Portable apparatus for analysing flue gases, etc. Serial No. 535,792, June 14. Class 26.

Capezio, Inc., New York, N. Y. Women's slippers. Serial No. 550,994, June 14. Class 39.

Carnegie-Illinois Steel Corporation, Pittsburgh, Pa. Steel ingots, blooms, slabs, etc. Serial No. 566,210, June 14. Class 14.

Century Battery Company: *See*—
American Battery Mfg. Company.

Chambers, C. N., Anderson, Ind. Jewelry. Serial No. 557,112, June 14. Class 28.

Chase & Company, Sanford, Fla. Fresh citrus fruits. Serial No. 551,087, June 14. Class 46.

Chen Yu, Inc.: *See*—
Associated Products, Inc.

Cheney Industries, Trenton, N. J. Aluminum and metal corrugated roofing. Serial No. 548,783, June 14. Class 12.

Citron, Samuel, doing business as Barbara Dance Frocks, New York, N. Y. Junior misses' dance frocks. Serial No. 502,491, June 14. Class 39.

Clary Multiplier Corporation, Los Angeles, Calif. Adding machines. Serial No. 562,540, June 14. Class 26.

Cleveland Mill and Power Company, Lawndale, N. C. Clothes lines. Serial No. 570,248, June 14. Class 7.

Clipper Manufacturing Company, Kansas City, Mo. Power and hand driven hoists and derricks. Serial No. 549,787, June 14. Class 23.

Clopay Corporation, Cincinnati, Ohio. Window shade rollers and Venetian blind slats. Serial No. 537,584, June 14. Class 32.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts. Serial Nos. 545,701–2, June 14. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars for men and boys. Serial No. 545,704, June 14. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts for men and boys. Serial Nos. 545,705–6, June 14. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts for men and boys. Serial No. 545,710, June 14. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars for men and boys. Serial Nos. 545,712–13, June 14. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts for men and boys. Serial No. 545,714, June 14. Class 39.

Coast Envelope Company, Los Angeles, Calif. Bank check covers, bank passbooks, and book covers. Serial No. 548,331, June 14. Class 37.

Colotryn Company, The, Seattle, Wash. Metallic molding strips and trim elements. Serial No. 552,439, June 14. Class 12.

Congoleum-Nairn, Inc., Kearny, N. J. Pigmented composition tiles. Serial No. 545,342, June 14. Class 12.

Continental Decalcomania Co., Grand Rapids, Mich. Decalcomania transfers. Serial No. 532,805, June 14. Class 36.

Continental Mills, Inc., Philadelphia, Pa. Men's, women's, boys', girls', children's, and infants' overcoats, topcoats, coats, etc. Serial No. 548,802, June 14. Class 39.

Cook Electric Company, Chicago, Ill. Bellows of metal. Serial No. 519,734, June 14. Class 13.

Coon, W. B., Company, Rochester, N. Y. Boots, shoes, and oxfords. Serial No. 547,700, June 14. Class 39.

Corn Products Refining Company, New York, N. Y. Chemicals derived from corn. Serial No. 567,185, June 14. Class 6.

Courtshire Fashions, Inc., New York, N. Y. Ladies' coats, suits, jackets, and skirts. Serial No. 551,441, June 14. Class 39.

Coutant & Mathot, Paris, France. Cameras and projectors, and parts thereof. Serial No. 552,750, June 14. Class 26.

Damon Recording Studios, Inc., Kansas City, Mo. Magnetic sound records and electric sound recording apparatus. Serial No. 544,333, June 14. Class 21.

Danco, Gerard J., Inc., New York, N. Y. Essential oils, etc. Serial No. 558,556, June 14. Class 6.

Delaware Hosiery Mills, Inc., Philadelphia, Pa. Hosiery. Serial No. 548,939, June 14. Class 39.

Del-Mar Quality Food Co., Culver City, Calif. French dressing, maple flavor syrup, barbecue sauce, food flavoring extract, etc. Serial No. 520,327, June 14. Class 39.

Dexter Chemical Corporation, New York, N. Y. Chemical liquid or solid for use as a detergent, wetting agent, or dye assistant. Serial No. 555,656, June 14. Class 6.

Dickson-Jenkins Manufacturing Company, Fort Worth, Tex. Men's and boys' pants and outer shirts and ladies' western style pants, etc. Serial No. 547,237, June 14. Class 39.

Duncan Meter Corporation, Chicago, Ill. now by change of name Duncan Parking Meter Corporation. Parking meters. Serial No. 552,959, June 14. Class 26.

Duncan Parking Meter Corporation: *See*—
Duncan Meter Corporation.

Efco Manufacturing, Inc., Hamilton, R. I. Wrenches and wrench parts. Serial No. 521,442, June 14. Class 23.

Embassy Hosiery Sales: *See*—
Bonanni, Carmine C.

Erba, Carlo, Società Anonima, Milan, Italy. Preparations for anaemia, asthenia, etc. Serial No. 526,208, June 14. Class 6.

Faber-Castell, A. W., Pencil Co., Inc., Newark, N. J. Erasers, pencils, crayons, rubber bands, etc. Serial No. 524,177, June 14. Class 37.

Fabrique d'Horlogerie Rayville S. A. (Rayville Watch Manufacturing Co. Ltd.), Berne, Switzerland. Watches and parts of watches. Serial No. 556,328, June 14. Class 27.

Fashion Park, Inc., Rochester, N. Y. Men's and boys' suits and overcoats. Serial No. 535,311, June 14. Class 39.

Federal Glass Company, The, Columbus, Ohio. Glass tumblers. Serial No. 527,951, June 14. Class 33.

Fischer, Harvey J., doing business under the firm and style name of Le Maire, Oak Park, Ill. Facial masking cream. Serial No. 519,153, June 14. Class 6.

Fischer Industries, Inc., Cincinnati, Ohio. Concentrated lathering synthetic detergent. Serial No. 557,839, June 14. Class 4.

Fleischer Mills, Inc., The, Cincinnati, Ohio. Non-inflammable dry cleaning fluid. Serial No. 530,183, June 14. Class 4.

Fleming-Hall Tobacco Co., Inc., New York, N. Y. Cigarettes. Serial No. 553,094, June 14. Class 17.

Food City Drive-In, Canton, Ohio. Sandwiches. Serial No. 535,160, June 14. Class 46.

Foster, Charles, & Co., Inc., New York, N. Y. Optical goods. Serial No. 562,690, June 14. Class 26.

Frank Manufacturing Co., Inc.: *See*—
Saemann, Irene.

Frederick Post Company, The, Chicago, Ill. Draftsman's triangular scale. Serial No. 561,585, June 14. Class 26.

Fry, B. L., Products Company: *See*—
Hedenkamp, Walter D.

Galree Products Co., Inc., New York, N. Y. Moth preventative and insecticide. Serial No. 530,395, June 14. Class 6.

Gates Rubber Company, The, Denver, Colo. Rubber and rubber-like aprons. Serial No. 562,776, June 14. Class 39.

Gate-Way, Inc., Los Angeles, Calif. Doorlocks. Serial No. 550,910, June 14. Class 26.

Granat Bros., Inc., San Francisco, Calif. Finger rings. Serial No. 542,930, June 14. Class 28.

Gutmann, Carl, & Co., Inc., New York, N. Y. Ladies', misses', boys', and girls' sweaters and polo shirts. Serial No. 544,343, June 14. Class 39.

Gutmann, Carl, & Co., Inc., New York, N. Y. Ladies' and misses' sweaters, blouses, outer sport shirts, etc. Serial No. 560,464, June 14. Class 39.

Hamilton Watch Company, Lancaster, Pa. Leather and fabric articles. Serial No. 525,590, June 14. Class 28.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire-brick. Serial No. 555,980, June 14. Class 12.

Harco Chemical Company, East Cranford, N. J. Soap compounds. Serial No. 508,477, June 14. Class 4.

Hart Schaffner & Marx, Chicago, Ill. Coats, vests, trousers, etc. Serial Nos. 546,047–8, June 14. Class 39.

Hart Schaffner & Marx, Chicago, Ill. Men's and boys' suits, coats, overcoats, etc. Serial No. 550,408, June 14. Class 39.

Hartman-Leddon Company, Incorporated, Philadelphia, Pa. Dried synthetic resin and compounds and prepared toluene and/or xylene solutions, etc. Serial No. 566,228, June 14. Class 6.

Hathaway, C. F., Co., Waterville, Maine. Outer shirts. Serial No. 544,447, June 14. Class 39.

Hedenkamp, Walter D., doing business as B. L. Fry Products Company, St. Louis, Mo. Game played with cards and a spinning arrow. Serial No. 514,199, June 14. Class 22.

Hesco Corporation, Cleveland, Ohio. Water heaters, boilers, furnaces, etc. Serial No. 558,301–2, June 14. Class 34.

Hess, Dr., & Clark, Inc., Ashland, Ohio. Medical preparation. Serial No. 562,262, June 14. Class 6.

Hess, Dr., & Clark, Inc., Ashland, Ohio. Escharotic preparation. Serial No. 562,263, June 14. Class 6.

Holliday Pajamas, Inc., New York, N. Y. Ladies' pajamas. Serial No. 543,449, June 14. Class 39.

Hollywood Brands, Inc., doing business under the name Hollywood Candy Co., Centralia, Ill. Candy. Serial No. 550,694, June 14. Class 46.

Hollywood Candy Co.: *See*—
Hollywood Brands, Inc.

Hone, J. P., Corporation, Youngstown, Ohio. Honing machines, and parts thereof. Serial No. 520,278, June 14. Class 23.

Hook-Fast Specialties, Inc., Providence, R. I. Belts and buckles. Serial No. 536,086, June 14. Class 39.

Horlicks Corporation, Racine, Wis. Malted milk. Serial No. 526,968, June 14. Class 46.

Hughes Aircraft Company: *See*—
Hughes Tool Company.

Hughes Tool Company, doing business as Hughes Aircraft Company, Culver City, Calif. Periodical published regularly. Serial No. 511,154, June 14. Class 38.

Hurd, George B., Inc., New York, N. Y. Writing paper and envelopes. Serial No. 541,843, June 14. Class 37.

Hurd, George B., Inc., New York, N. Y. Writing paper and envelopes. Serial No. 541,845, June 14. Class 37.

Indian River Textile Co., Inc., Ozark, Ala. Children's rompers, overalls, coveralls, etc. Serial No. 554,673, June 14. Class 39.

Industrial Tape Corporation, New Brunswick and North Brunswick Township, N. J. Heat-reactive adhesive sheets, tapes, and appliques. Serial No. 549,149, June 14. Class 5.

Inland Rubber Corporation, Chicago, Ill. Cleaners and solvents. Serial No. 531,603, June 14. Class 4.

International Silver Company: *See*—
International Silver Company, The.

International Silver Company, The, by change of name from International Silver Company, Meriden, Conn. Silverplated hollowware. Serial No. 485,445, June 14. Class 28.

Joanna Western Mills Company, Chicago, Ill. Window shades. Serial Nos. 536,787–8, June 14. Class 32.

Karolton Envelope Company, Chicago, Ill. Blank cards and sheets. Serial No. 537,901, June 14. Class 37.

Katz, Alexander, Dr., and Company, Los Angeles, Calif. Imitation vanilla. Serial No. 529,656, June 14. Class 46.

Knoxville Publishing Company, Knoxville, Tenn. Newspaper. Serial No. 544,453, June 14. Class 38.

Kohnstamm, H., & Co., Inc., New York, N. Y. Soap. Serial No. 565,561, June 14. Class 4.

Koppers Company, Inc., Baltimore, Md., and Pittsburgh, Pa. Piston rings. Serial No. 562,941, June 14. Class 35.

Krueger, Richard G., New York, N. Y. Stuffed toys. Serial No. 557,048, June 14. Class 22.

Laclede Laboratories, Inc., St. Louis, Mo. Preparation for application to the teeth. Serial No. 561,126, June 14. Class 6.

Lake City Machine Shop: *See*—
Saeman, Irene.

Laros Textiles Company, Bethlehem, Pa. Hosiery. Serial No. 535,718, June 14. Class 39.

Leathertone, Inc., Boston, Mass. Plastic wall tile. Serial No. 557,141, June 14. Class 12.

Legge, Walter G., Company, Inc., New York, N. Y. Cleansec for wood, cork, and linoleum. Serial No. 565,638, June 14. Class 4.

Legge, Walter G., Company, Inc., New York, N. Y. Cleanser for woods, cork, and linoleum. Serial No. 565,640, June 14. Class 4.

Le Maire: *See*—
Fischer, Harvey J.

Lewis & Owens Manufacturing Company, Inc., Knoxville, Tenn. Aluminum window sashes. Serial No. 558,390, June 14. Class 12.

Lillington Roller Mills, Inc., Lillington, N. C. Wheat flour and self-rising flour. Serial No. 523,557, June 14. Class 46.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. Serial No. 566,945, June 14. Class 6.

Linde Air Products Company, The, New York, N. Y. Synthetic sapphire, synthetic ruby, and synthetic spinel. Serial No. 560,232, June 14. Class 28.

Litkenhoue, Edward E., Nashville, Tenn. Sports analysis column. Serial No. 563,340, June 14. Class 38.

Lucky Calf Mfg. Co., Chambers, Nebr. Remedy for calf scours. Serial No. 519,021, June 14. Class 6.

Macy, R. H., & Co., Inc., New York, N. Y. Men's and boys' leather shoes, hats and caps, etc. Serial No. 546,228, June 14. Class 39.

Magnavox Company, The, Fort Wayne, Ind. Radio receiving sets and radio phonograph combination sets. Serial No. 540,545, June 14. Class 21.

Mallinckrodt Chemical Works, St. Louis, Mo. Silica gel. Serial No. 523,402, June 14. Class 6.

Manhattan Shirt Company, The, New York, N. Y. Men's sport shirts. Serial No. 550,246, June 14. Class 39.

Maples, Lalla, Granville, N. Y. Card game. Serial No. 557,057, June 14. Class 22.

Markovitz Brothers, Incorporated, Philadelphia, Pa. Underwear. Serial No. 533,487, June 14. Class 30.

Matson, Harry E., Los Angeles, Calif. Door and wall rack. Serial No. 549,816, June 14. Class 13.

Mattheus, O. C. Co.: *See*—
Mattheus, Oscar G.

Mattheus, Oscar G., doing business as O. G. Mattheus Co., Pensacola, Fla. Bath unit. Serial No. 539,191, June 14. Class 12.

Mayflower Products Inc., South Boston, Mass. Jams, fruit jellies, marmalades, and cranberry sauce. Serial No. 544,066, June 14. Class 46.

McAfee Candy Co., Inc., Macon, Ga. Candy bars. Serial No. 540,688, June 14. Class 46.

McCrosky Tool Corporation, Meadville, Pa. Chucks and collets. Serial No. 551,718, June 14. Class 23.

McDowell Manufacturing Company, Millvale, Pa. Hand operated presses. Serial No. 512,186, June 14. Class 23.

McGill Manufacturing Company, Inc., Valparaiso, Ind. Electric switch sockets, electric switch porcelain brackets, and other electric switch mechanisms. Serial No. 549,560, June 14. Class 21.

McKay Products Corporation, The, New York, N. Y. Nightgowns. Serial No. 547,470, June 14. Class 39.

Merco Nordstrom Valve Company: *See*—
Rockwell Manufacturing Company.

Mexico Refractories Company, Mexico, Mo. Fire brick mortar. Serial No. 541,943, June 14. Class 12.

Midvale Company, The, Philadelphia, Pa. Oil-hardening tool steel. Serial No. 566,990, June 14. Class 14.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive coated abrasion resistant sheet material. Serial No. 550,591, June 14. Class 5.

Montres Nova, Biedermann, Freres, S. A., Neuveville, Switzerland. Watches and parts thereof. Serial No. 523,789, June 14. Class 27.

Morgan Adams Co. Inc., now by change of name Morgan & Son's Canning Co., Inc., Cayuga, Ind. Canned corn. Serial No. 515,009, June 14. Class 46.

Morgan & Son's Canning Co., Inc.: *See*—
Morgan Adams Co. Inc.

Morris, Mann & Reilly, Inc., Chicago, Ill. Link-mesh bags, jewel boxes, jewel cases, etc. Serial No. 553,122, June 14. Class 28.

Morton Products Inc., Akron, Ohio. Hand lotion and medicinal preparation. Serial No. 551,719, June 14. Class 6.

Munising Paper Company, The, Chicago, Ill. Wrapping paper. Serial No. 532,954, June 14. Class 37.

Nash, Inc., Jersey City, N. J. Wallets, key cases, purses, portfolios, etc. Serial No. 571,157, June 14. Class 3.

National Sleep Products, Inc., Brooklyn, N. Y. Mattresses. Serial No. 519,891, June 14. Class 32.

National Telephone Supply Company, The, Cleveland, Ohio. Compression tools. Serial No. 536,627, June 14. Class 23.

National Telephone Supply Company, The, Cleveland, Ohio. Compression tools. Serial No. 536,708, June 14. Class 23.

National Tileboard Corp., assignor to Rondale Building Products Corporation, New York, N. Y. Tiles and tileboard. Serial No. 558,154, June 14. Class 12.

Norwich Knitting Company, Norwich, N. Y. Sweat shirts. Serial No. 546,723, June 14. Class 39.

Norwich Knitting Company, Norwich, N. Y. Knit goods. Serial No. 547,933, June 14. Class 39.

Nutone, Inc., Chicago, Ill. Clocks. Serial No. 550,824, June 14. Class 27.

O-Cedar Corp'n, Chicago, Ill. Mops and dusters. Serial No. 542,231, June 14. Class 29.

Oliendorff Watch Co. Inc., New York, N. Y. Watches and clocks. Serial No. 558,157, June 14. Class 27.

Oliendorff Watch Co. Inc., New York, N. Y. Watches and clocks. Serial No. 558,159–60, June 14. Class 27.

Oster, John, Manufacturing Company, Racine, Wis. Hair clippers. Serial No. 547,809, June 14. Class 23.

Ovsianico, Gregoire, Paris, France. Coats, hats, suits, underwear, and gloves. Serial No. 505,912, June 14. Class 39.

Pacific Iron & Steel Co., Los Angeles, Calif. Steel industrial buildings. Serial No. 544,376, June 14. Class 12.

Parfumerie & Savonnerie Gliot Societe Anonyme, Paris, France. Soaps. Serial No. 508,237, June 14. Class 4.

Paul Laboratories, The: *See*—
Paulantonio, Carmine.

Paulantonio, Carmine, doing business as The Paul Laboratories, New York, N. Y. Antiseptic medicated skin preparation. Serial No. 557,207, June 14. Class 6.

Perfect Circle Company, The: *See*—
Perfect Circle Corporation.

Perfect Circle Corporation, Hagerstown, Ind., by change of name from The Perfect Circle Company. Bearing adjusters. Serial No. 509,695, June 14. Class 34.

Pitkin, Inc., Newark, N. Y. Toilet soap. Serial No. 537,352, June 14. Class 4.

Plumley, George C., trading and doing business as Quietaire Company, Houston, Tex. Ventilating fans. Serial No. 507,336, June 14. Class 33.

Pond's Extract Company, New York, N. Y. Cosmetic rouge. Serial No. 563,981, June 14. Class 6.

Popper-Morson Corp., Newark, N. J. and New York, N. Y., Jersey City, N. J. Whiskey, gin, rum, brandies, alcoholic cordials, etc. Serial No. 556,596, June 14. Class 49.

Port Huron Sulphite & Paper Co., Fort Huron, Mich. Mill stock paper. Serial No. 531,834, June 14. Class 37.

Portland Canning Company, Inc., Forest Grove and Sherwood, Oreg. Canned fruits and vegetables. Serial No. 543,216, June 14. Class 46.

Puro Co., Inc., The, St. Louis, Mo. Deodorant blocks and deodorizers. Serial No. 559,178, June 14. Class 6.

Quietaire Company: *See*—
Plumley, George C.

Rand, Donald A., doing business as Story Book Farm Co., Hampton, N. H. Candies. Serial No. 540,871, June 14. Class 46.

Red Devil Tools, Irvington, N. J. Non-electric floor polishers and metal-working and woodworking lathes. Serial No. 546,606, June 14. Class 23.

Red Devil Tools, Irvington, N. J. Metal washers and lock washers, lawn sprinklers, etc. Serial No. 554,156, June 14. Class 13.

Republic Stamping & Enameling Company, The, Canton, Ohio. Base metal cooking, kitchen, household, and hospital ware. Serial No. 517,664, June 14. Class 18.

Republic Stamping & Enameling Company, The, Canton, Ohio. Base metal cooking, kitchen, household, and hospital ware. Serial No. 517,667, June 14. Class 18.

Revlon Products Corporation, New York, N. Y. Nail enamel, lipstick, face powder, cheek stick, and cake rouge. Serial No. 544,197, June 14. Class 6.

Rockwell Manufacturing Company, Pittsburgh, Pa., by change of name from Mereco Nordstrom Valve Company. Valve lubricating greases, lubricating oils, and solid lubricating compounds in stick or bulk form. Serial No. 487,139, June 14. Class 15.

Rockwell Manufacturing Company, Pittsburgh, Pa. Wood working machines, safety shields, power tools, etc. Serial No. 534,358, June 14. Class 23.

Ro-Net Sportswear Co., Inc., New York, N. Y. Ladies' and misses' sweaters and sweater ensembles. Serial No. 544,907, June 14. Class 39.

Ronay, Inc., New York, N. Y. Ladies', women's, and misses' pocketbooks, handbags, purses, etc. Serial No. 571,237, June 14. Class 3.

Rosen & Barnes Manufacturing Co., Chicago, Ill., and Minneapolis, Minn. Snow suits, ski soits, ski pants, and jackets. Serial No. 551,137, June 14. Class 39.

Rondale Building Products Corporation, assignee: *See*—
National Tileboard Corp.

Saemann, Irene, doing business as Lake City Machine Shop, assignor, by mesne assignments, to Frank Manufacturing Co., Inc., Mentone, Ind. Coulters designed for use on breaking plows. Serial No. 549,845, June 14. Class 23.

Saffer, Bob, doing business as Tru-Blue Record Co., New York, N. Y. Mechanically grooved phonograph records. Serial No. 556,376, June 14. Class 38.

Sandos Chemical Works, Inc., New York, N. Y. Preparation recommended for the treatment of headaches. Serial No. 560,660, June 14. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Shoes. Serial No. 483,039, June 14. Class 39.

Schuylkill Paper Company, Philadelphia, Pa. End sheet paper, end leaf paper, and binder's waste. Serial No. 535,634, June 14. Class 37.

Schwartz, Tillie, New Haven, Conn. Tonic for relief of heart trouble and diabetes. Serial No. 557,818, June 14. Class 6.

Scottdel, Inc., Swanton, Ohio. Corn shellers, feed mixers, and grain conveyors. Serial No. 550,076, June 14. Class 23.

Sensenbrenner, A., Sons, Los Angeles, Calif. Cigars. Serial No. 541,588, June 14. Class 17.

Sensenbrenner, A., Sons, Los Angeles, Calif. Cigars. Serial No. 547,480, June 14. Class 17.

Sentinel Radio Corporation, Evanston, Ill. Radio receiving and transmitting sets and parts thereof and therefor. Serial No. 546,062, June 14. Class 21.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation for internal use. Serial No. 566,820, June 14. Class 6.

Signode Steel Strapping Company, Chicago, Ill. Stretching or tensioning tools, sealing tools, strapping mating, etc. Serial No. 550,561, June 14. Class 23.

Sinclair Refining Company, New York, N. Y. Lubricating oils and greases. Serial No. 551,325, June 14. Class 15.

Skinner, William, & Sons, Holyoke, Mass. and New York, N. Y. Scarfs and mufflers. Serial No. 545,401, June 14. Class 39.

Smith Engineering Works, Milwaukee, Wis. Rock, ore, sand and gravel handling equipment. Serial No. 530,863, June 14. Class 23.

Smith, L. C. & Corona Typewriters, Inc., Syracuse, N. Y. Adding machines, cashiers, and parts thereof. Serial No. 510,262, June 14. Class 26.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Softballs. Serial No. 536,650, June 14. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets, badminton rackets, squash rackets, and table tennis bats. Serial No. 538,669, June 14. Class 22.

Spear's, Alden, Sons Co., The, Cambridge, Mass. Knife sharpening machines. Serial No. 534,860, June 14. Class 23.

Stannard, Gerard L., New York, N. Y. Magazines. Serial No. 515,101, June 14. Class 38.

Steagagard, W. L. and Associates, Inc., Chicago, Ill. Transparent plastic cabinets and display devices. Serial No. 518,260, June 14. Class 32.

Story Book Farm Co.: *See*—
Rand, Donald A.

Superior Manufacturing Company, The, Fitchburg, Mass. Insulated saddle staples. Serial No. 546,625, June 14. Class 21.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. Serial No. 525,429, June 14. Class 17.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug and twist tobacco. Serial No. 525,436, June 14. Class 17.

Thatcher Furnace Company, Garwood, N. J. Oil, gas and coal fired air conditioning units. Serial No. 535,099, June 14. Class 34.

Tilton & Cook Co., Leominster, Mass. Combs, barrettes, hair rolls and hair curlers. Serial No. 572,610, June 14. Class 40.

Town and Country Shoes, Inc., Sedalia, Mo. Ladies' and misses' shoes. Serial No. 549,765, June 14. Class 39.

Tru-Blue Record Co.: *See*—
Saffer, Bob.

Twin Disc Clutch Company, Racine, Wis. Clutches, power take-off units, reduction gear units, etc. Serial No. 532,408, June 14. Class 23.

Uarco Incorporated, Chicago, Ill. Strip of continuous form stationery. Serial No. 532,773, June 14. Class 37.

United Mills Corporation, Mt. Gilead, N. C. Men's pajamas, shorts and underwear, etc. Serial No. 535,710, June 14. Class 39.

United Stay Company, Inc., Cambridge, Mass. Piping for shoes. Serial No. 546,333, June 14. Class 40.

Velsey-Bristol Shoe Company, Incorporated, Rochester, N. Y. Shoes. Serial No. 575,878, June 14. Class 39.

Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. Serial No. 527,641, June 14. Class 37.

Valley Paper Company, Holyoke, Mass. Writing, typewriting, and printing paper. Serial No. 527,650, June 14. Class 37.

Vital Products Manufacturing Company, Cleveland, Ohio. Caulking guns. Serial No. 547,076, June 14. Class 23.

Vital Products Manufacturing Company, Cleveland, Ohio. Caulking guns. Serial No. 547,300, June 14. Class 23.

Vital Products Manufacturing Company, Cleveland, Ohio. Carpet sweepers. Serial No. 547,302, June 14. Class 23.

Vita-Var Corporation, Newark, N. J. Waterproofing compound. Serial No. 474,561, June 14. Class 12.

Waldron, John, Corporation, Highland Park, N. J. Machines for coating paper webs with coating compounds. Serial No. 525,991, June 14. Class 23.

Warren, W., Thread Works, Westfield, Mass. Thread and yarn. Serial No. 570,889, June 14. Class 43.

Watts, Alfred Allen, Co., Inc., New York, N. Y. Letter copy sets. Serial No. 514,735, June 14. Class 37.

Wechter, Company, The, Chicago, Ill. Finger rings. Serial No. 548,437, June 14. Class 28.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; loose writing paper, etc. Serial No. 538,691, June 14. Class 37.

Williams, J. H., & Co., Buffalo, N. Y. Wrenches, wrench sets, wrench sockets, and tool handles. Serial No. 534,212, June 14. Class 23.

Wil-Stan Products Company, Akron, Ohio. Iron storage holders for flat irons. Serial No. 536,023, June 14. Class 24.

Winsted Hosiery Company, Winsted, Conn. Men's half hose, men's knit underwear, and men's outerwear. Serial No. 539,836, June 14. Class 39.

Winton Watch Company, Inc., assignee: *See*—
Adels, L., Company.

Wyler, Paul, New York, N. Y. Watches. Serial No. 536,303, June 14. Class 27.

Yorksheer Hosiery Company, York, Pa. Hosiery. Serial No. 553,046, June 14. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

A and Z Chain Company, Providence, R. I. Jewelry. 365,539, Mar. 14, 1939. Republished June 14. Classes 23 and 28.

Abbotts Alderney Dairies, Inc., to Abbotts Dairies, Incorporated, Philadelphia, Pa. Ice cream. 225,481, renewed Mar. 22, 1947. O. G. June 14. Class 46.

Abbotts Dairies, Incorporated: *See*—
Abbotts Alderney Dairies, Inc.

Abel & Bach, Inc., Milwaukee, Wis. Suitcases. 510,938, June 14; Serial No. 543,375, published Feb. 22, 1949. Class 3.

Air-Maze Corporation, Cleveland, Ohio. Air filters. 255,632, Apr. 30, 1929. Republished June 14. Class 31.

Air-Maze Corporation, Cleveland, Ohio. Air filtering panels. 368,700, June 27, 1939. Republished June 14. Class 34.

Air-Maze Corporation, Cleveland, Ohio. Air filtering panels. 373,326, Dec. 5, 1939. Republished June 14. Class 34.

Ajax Floor Products Corp., New York, N. Y. Asphalt mastic. 511,101, June 14; Serial No. 533,112. Class 12.

Alaska Fur Company, by L. Polunsky, doing business as Alaska Fur Company, San Antonio, Tex. Women's, misses', and children's chokers, neckpieces, capes, etc. 217,776, Sept. 7, 1926. Republished June 14. Class 39.

Aldine Paper Company, Inc., New York, N. Y. Paper in the sheet and in the roll. 510,986, June 14; Serial No. 549,213, published Mar. 1, 1949. Class 37.

Alexander, W. A., & Co., Chicago, Ill. Brokerage in insurance. 511,075, June 14; Serial No. 550,982, published Mar. 1, 1949. Class 55.

Algemeene Kunstzijde Unie, N. V., Arnhem, Netherlands. Knitted, netted and textile fabrics in the piece. 442,899, June 14; Serial No. 524,039, published Feb. 15, 1949. Class 42.

Allied Home Products Corporation, Beloit, Wis. Cleaner and detergent. 510,981, June 14; Serial No. 547,956, published Mar. 1, 1949. Class 4.

Alligator Company, The: *See*—
Ferguson Waterproof Co.

All-Purpose Spreader Company, Elyria, Ohio. Road construction and maintenance machinery. 510,827, June 14; Serial No. 516,211, published Mar. 8, 1949. Class 23.

Altman, B., & Co., New York, N. Y. Canes and umbrellas. 511,062, June 14; Serial No. 570,179, published Feb. 22, 1949. Class 41.

American Bandage Corp., Chicago, Ill., by Johnson & Johnson, New Brunswick, N. J. Liquid protective coating. 400,329, Mar. 2, 1943. Republished June 14. Class 6.

American Cement Plaster Co., The, Lawrence, Kans., to Certain-teed Products Corporation, Ardmore, Pa. Cement plaster. 74,428, re-renewed July 13, 1949. O. G. June 14. Class 12.

American Chicle Company, Long Island City, N. Y., to Paul F. Beich Company, Bloomington, Ill. Chewing gum. 260,706, renewed Aug. 27, 1949. O. G. June 14. Class 46.

American Chicle Company, Long Island City, New York, N. Y. Cachous. 366,685, Apr. 25, 1939. Republished June 14. Class 46.

American Disinfecting Company, to Adco, Inc., Sedalia, Mo. Spray preparation. 261,304, renewed Sept. 17, 1940. O. G. June 14. Class 6.

American-La France-Foamite Corporation: *See*—
American La France and Foamite Corporation.

American-La France and Foamite Corporation, Elmira and New York, to American-La France-Foamite Corporation, Elmira, N. Y. Portable hand fire-extinguishing apparatus and parts thereof. 254,388, renewed Mar. 26, 1949. O. G. June 14. Class 23.

American La France and Foamite Corporation, Elmira and New York, to American-La France-Foamite Corporation, Elmira, N. Y. Fire-extinguishing compositions and ingredients. 255,734, renewed Apr. 30, 1949. O. G. June 14. Class 6.

American Lead Pencil Company, Hoboken, N. J. Lead pencils. 510,956, June 14; Serial No. 546,084, published Mar. 8, 1949. Class 37.

American-London-Shrinkers Corporation, New York, N. Y. Shrinking of textile fabrics in the piece. 511,074, June 14; Serial No. 544,528, published Mar. 1, 1949. Class 55.

American Map Company, Inc., New York, N. Y. Maps and atlases. 510,897, June 14; Serial No. 536,983, published Mar. 1, 1949. Class 38.

American Optical Company, Southbridge, Mass. Lens-testing instruments. 510,823, June 14; Serial No. 509,685, published Mar. 8, 1949. Class 26.

American Press Association, Chicago, Ill., New York, N. Y., Detroit, Mich., and Dallas, Tex. Monthly publication. 511,023, June 14; Serial No. 554,941, published Mar. 8, 1949. Class 38.

American Pulley Company, The, Philadelphia, Pa. Steel split pulleys. 510,912, June 14; Serial No. 538,064, published Mar. 1, 1949. Class 23.

American Register Company, Boston, Mass. Printed manifold forms. 511,085, June 14; Serial No. 501,354. Class 37.

American Thread Company, The, New York, N. Y. Yarn. 511,046, June 14; Serial No. 559,266, published Feb. 1, 1949. Class 43.

American Woolen Company, New York, N. Y. Piece goods. 511,055, June 14; Serial No. 562,519, published Mar. 1, 1949. Class 42.

American Yarn and Processing Company, Mount Holly, N. C. Cotton yarn. 511,053, June 14; Serial No. 561,178, published Feb. 8, 1949. Class 43.

Amsler-Morton Company, The, by Amsler Morton Corporation, Pittsburgh, Pa. Industrial heating and melting furnaces. 372,992, Nov. 21, 1939. Republished June 14. Class 34.

Amsler Morton Corporation: *See*—
Amsler-Morton Company, The.

Amstel Brouwerij N. V.: *See*—
N. V. Bierbrouwerij "deAmstel."

Aniline Color and Extract Works, formerly John R. Geigy, Basel, Switzerland, to Geigy Company, Inc., New York, N. Y. Dyestuffs derived from coal tar. 73,058, re-renewed Mar. 16, 1949. O. G. June 14. Class 6.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Face powder. 510,952, June 14; Serial No. 545,937, published Mar. 8, 1949. Class 6.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Liquid cleansing cream. 511,098, June 14; Serial No. 524,529. Class 6.

Aristocrat Watch & Jewelry Co., Inc., New York, N. Y. Watches, clocks. 510,862–3, June 14; Serial Nos. 532,094–5, published Mar. 8, 1949. Class 27.

Aristocrat Watch & Jewelry Co., Inc., New York, N. Y. Watches, clocks. 510,864, June 14; Serial No. 532,097, published Mar. 8, 1949. Class 27.

Arlin Products, Incorporated, Detroit, Mich. Electric gauging mechanisms for determining physical dimensions. 442,882, June 14; Serial No. 504,023, published Feb. 8, 1949. Class 26.

Armour and Company: *See*—
Crane, Willard G.
Stork Company, The.

Associated Distributors, by Consolidated Cosmetics, Chicago, Ill. Lipstick, rouge, face powder, etc. 407,696, June 20, 1944. Republished June 14. Class 6.

Associated Distributors, by Consolidated Cosmetics, Chicago, Ill. Lipstick, rouge, antiperspirant, etc. 407,797, June 27, 1944. Republished June 14. Class 6.

Associated Distributors, assignor to Consolidated Cosmetics, by Consolidated Cosmetics, Chicago, Ill. Toilet soaps. 408,529, Aug. 15, 1944. Republished June 14. Class 4.

Associated Seed Growers, Incorporated, New Haven, Conn. Grass seed. 510,837, June 14; Serial No. 526,540, published Mar. 15, 1940. Class 1.

Atlantic Southwestern Broom Co., Baltimore, Md. Brooms. 510,960, June 14; Serial No. 546,277, published Jan. 11, 1949. Class 29.

Atlas Underwear Company, The: *See*—
Pique Hosiery Co., The.

Attleboro Printing & Embossing Co., Inc., Attleboro, Mass. Greeting cards and printed seals. 510,993, June 14; Serial No. 550,292, published Mar. 8, 1949. Class 38.

Automobile Radio Corporation, Long Island City, N. Y., to Philco Corporation, Philadelphia, Pa. Radio receiving sets and parts thereof. 260,331, renewed Aug. 20, 1949. O. G. June 14. Class 21.

Avrick Paper Company, New York, N. Y. Air mail writing paper and envelopes. 510,968, June 14; Serial No. 548,841, published Jan. 4, 1949. Class 37.

Bach, Lesem, by Lesem Bach & Co. Inc., New York, N. Y. Piece goods. 148,633, Nov. 22, 1921. Republished June 14. Class 42.

Bach, Lesem, & Co. Inc.: *See*—
Bach, Lesem.

Bach, Lesem, & Co. Inc., New York, N. Y. Piece goods. 401,894, June 15, 1943. Republished June 14. Class 42.

Badger Body Manufacturing Company, by Badger Body Manufacturing Company, Omaha, Nebr. Bodies and cabs for truck and passenger automobiles. 419,606, Feb. 26, 1946. Republished June 14. Class 19.

Bagshaw, W. H., Co., Lowell, Mass. Talking-machine needles. 510,906, June 14; Serial No. 537,854, published Mar. 8, 1949. Class 36.

Baker, H. W., Linen Company, New York, N. Y. Bath towels. 510,990, June 14; Serial No. 549,860, published Feb. 8, 1949. Class 42.

Baker, J. S. St. B., London, England. Perfumed liquid skin lotions. 511,026, June 14; Serial No. 555,332, published Mar. 15, 1949. Class 6.

Ball & Tweedy, by Ball & Tweedy Association, Downey, Calif. Fresh oranges. 226,805, Apr. 19, 1927. Republished June 14. Class 46.

Ball & Tweedy Association: *See*—
Ball & Tweedy.

Barclay & Barclay, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Pills. 69,488, re-renewed June 16, 1948. O. G. June 14. Class 6.

Barclay, Reginald G.: *See*—
Barclay, William O. and R. G.

Barclay, William O. and R. G., to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Toilet preparation for external application, etc. 33,209, re-renewed July 11, 1949. O. G. June 14. Class 6.

Barclay, William O. and R. G., to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Pills for the relief of dyspepsia, headache, etc. 33,280, re-renewed July 25, 1949. O. G. June 14. Class 6.

Barnard Co., The: *See*—
Peoples Drug Stores, Inc.

Barret Textile Corporation, New York, N. Y. Coated and uncoated fabrics in the piece. 510,977, June 14; Serial No. 547,819, published Mar. 1, 1949. Class 42.

Barrett-Cravens Company, Chicago, Ill. Lift trucks and portable elevators. 510,841, June 14; Serial No. 527,133, published Mar. 8, 1949. Class 23.

Bates, C. J. & Son, Chester, Conn. Sewing kits, art needlework implements and accessories. 511,008, June 14; Serial No. 552,332, published Mar. 1, 1949. Class 40.

Bates, C. J., & Son, Chester, Conn. Crochet hooks and knitting needles. 511,009, June 14; Serial No. 552,333, published Mar. 1, 1949. Class 40.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 277,808, Nov. 25, 1930. Republished June 14. Class 39.

Belch, Paul F., Company: *See*—
American Chicle Company.

Belknap Hardware and Manufacturing Co., Louisville, Ky. Door locks and bolts, sash locks and fasteners, and cupboard-catches. 74,603, re-renewed July 27, 1949. O. G. June 14. Class 25.

Bell Indian Trading Post: *See*—
Michelson, Jack.

Bemis Bro. Bag Company, St. Louis, Mo. Magazine. 510,838, June 14; Serial No. 526,876, published Mar. 8, 1949. Class 38.

Bendix Aviation Corporation, Detroit, Mich. Carburetors, carburetor parts and accessories for carburetors. 510,829, June 14; Serial No. 516,168, published Mar. 8, 1949. Class 23.

Benelli, Alpo and A., Florence, Italy. Dyeing preparation. 442,891, June 14; Serial No. 515,742, published Mar. 1, 1949. Class 6.

Ben-Hur Products, Inc., New York, N. Y. Hair rollers. 510,926, June 14; Serial No. 541,913, published Feb. 8, 1949. Class 40.

Bennett-Ireland, by Bennett-Ireland Inc., Norwich, N. Y. Fireplace structures. 438,171, Apr. 13, 1948. Republished June 14. Class 34.

Bennett-Ireland Inc.: *See*—
Bennett-Ireland.

Bernice Foods, Inc.: *See*—
Kraane Bros.

Best, Richard, Pencil Company, Inc., Springfield, N. J. Lead pencils. 510,908, June 14; Serial No. 537,968, published Feb. 22, 1949. Class 37.

Best, Richard, Pencil Company, Inc., Springfield, N. J. Black lead and copying pencils. 510,909, June 14; Serial No. 537,970, published Feb. 15, 1949. Class 37.

Bettes, A. O., Mfg. Co., Inc., by Golden Star Polish Mfg. Co., Kansas City, Mo. Compound for polishing metal. 210,744, Mar. 23, 1926. Republished June 14. Class 4.

Black Hills Packing Co.: *See*—
Rapid City Packing Company.

Blatz Brewing Company: *See*—
Valentin Blatz Brewing Company.

Bow Corporation, The, Boston, Mass. Finger holder for manicuring purposes. 510,943, June 14; Serial No. 543,677, published Feb. 8, 1949. Class 44.

Boye Needle Company, The, Chicago, Ill. Knitting pins. 510,995, June 14; Serial No. 550,578, published Mar. 1, 1949. Class 40.

Bradley, Milton, Company, Springfield, Mass. Crayons. 510,987, June 14; Serial No. 546,552, published Mar. 1, 1949. Class 37.

Bradner, Smith, & Company, Chicago, Ill. Bond paper. 511,111, June 14; Serial No. 555,863. Class 37.

Bray Corporation, Pasadena, Calif. Power driven garden cultivators and parts thereof. 510,822, June 14; Serial No. 506,857, published Mar. 8, 1949. Class 23.

Brenner, Robert, doing business as Raybrand Textile Company, New York, N. Y. Piece goods. 511,035, June 14; Serial No. 557,175, published Feb. 22, 1949. Class 42.

Breslauer, A., Export Corp., New York, N. Y. Soap. 510,962, June 14; Serial No. 546,352, published Feb. 15, 1949. Class 4.

Bristol Laboratories Inc., assignor to Schenley Laboratories, Inc., Syracuse, N. Y. Penicillin compounds. 511,018, June 14; Serial No. 554,292, published Mar. 1, 1949. Class 6.

British Alkaloids Limited: *See*—
British Alkaloids Limited, The.

British Alkaloids Limited, The, to British Alkaloids Limited, London, England. Disinfectants. 255,125, renewed Apr. 16, 1949. O. G. June 14. Class 6.

British Alkaloids Limited, The, to British Alkaloids Limited, London, England. Germicides and antiseptics. 265,142, renewed Apr. 16, 1949. O. G. June 14. Class 6.
Brisel Leather Corporation, New York, N. Y. Tanned leather. 510,944, June 14; Serial No. 544,048, published Mar. 15, 1949. Class 1.
Brookside Distilling Products Corporation, Scranton, Pa. Wine. 440,115, Aug. 10, 1948. Republished June 14. Class 47.
Brown & Bigelow, St. Paul, Minn. Mechanical pencils. 510,975, June 14; Serial No. 547,613, published Mar. 8, 1949. Class 37.
Buettner, T., & Co., Inc., Chicago, Ill. Needles; crochet hooks and knitting needles, etc. 510,905, June 14; Serial No. 537,548, published Feb. 8, 1949. Class 40.
Buffalo Specialty Company: *See*—
Fulton Chemical Company.
Buffalo Specialty Company, by Liquid Veneer Corporation, Buffalo, N. Y. Detergent polish. 56,782, Oct. 16, 1906. Republished June 14. Class 4.
Buffalo Specialty Company, by Liquid Veneer Corporation, Buffalo, N. Y. Tire fluid. 102,784, Feb. 23, 1915. Republished June 14. Class 5.
Buffalo Specialty Company, by Liquid Veneer Corporation, Buffalo, N. Y. Tire fluid. 108,634, Feb. 22, 1916. Republished June 14. Class 5.
Buffalo Specialty Company, by Liquid Veneer Corporation, Buffalo, N. Y. Drain solvent. 163,029, Jan. 2, 1923. Republished June 14. Class 6.
Buffalo Specialty Manufacturing Company, by Liquid Veneer Corporation, Buffalo, N. Y. Polishes. 37,516, Dec. 24, 1901. Republished June 14. Class 4.
Bulkley, Dunton & Co. Incorporated, New York, N. Y. Bond papers, printing papers, book papers, etc. 442,898, June 14; Serial No. 523,548, published Jan. 6, 1948. Class 37.
Bullard Clark Company, The: *See*—
Jacobs, E. H., Manufacturing Company.
Burkhardt Bros. Co., The, Cincinnati, Ohio. Men's dress shirts. 260,069–70, renewed Aug. 13, 1949. O. G. June 14. Class 39.
C M Company, The: *See*—
Clark, James R.
C. M. Company, The: *See*—
Clark, James R.
Cabigas, Florentino M., New York, N. Y. Insecticides. 511,090, June 14; Serial No. 513,745. Class 6.
Cadbury Brothers, Limited, Bournville, Birmingham, England. Candy, cocoa, chocolate; chocolate-coated biscuits, cakes, and crackers; etc. 255,735, renewed Apr. 30, 1949. O. G. June 14. Class 46.
Caldwell Milling & Elevator Company, The, Caldwell, Idaho, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 82,047, May 30, 1911. Republished June 14. Class 46.
California Tanning Company, St. Louis, Mo. White leather thongs, shoe and skate laces. 511,040, June 14; Serial No. 558,214, published Mar. 8, 1949. Class 40.
California Therapy Equipment, Inc., Los Angeles, Calif. Therapeutic lamps. 511,093, June 14; Serial No. 518,386. Class 44.
Callender-Suchy Developments Limited, London, England. Metallised textile piece goods. 442,886, June 14; Serial No. 506,155, published Mar. 1, 1949. Class 42.
Cambridge Paper Box Company, Cambridge, Mass. Paper boxes. 244,184, July 17, 1928. Republished June 14. Class 2.
Carnrick, G. W., Co., Newark, N. J. Endocrine stimulant. 265,711, Apr. 30, 1929. Republished June 14. Class 6.
Carnrick, G. W., Co., Nswark, N. J. Standardized, ovarian hormone preparation. 300,022, Jan. 3, 1933. Republished June 14. Class 6.
Carnrick, G. W., Co., Newark, N. J. Endocrine cholagogue and cathartic. 327,370, Aug. 27, 1935. Republished June 14. Class 6.
Carnrick, G. W., Co., Newark, N. J. Combination of ferrous sulphate and liver extract. 360,619, Sept. 20, 1938. Republished June 14. Class 6.
Carnrick, G. W., Co., Newark, N. J. Combination of thyroid and estrogenic hormones. 372,999, Nov. 21, 1939. Republished June 14. Class 6.
Carnrick, G. W., Co., Newark, N. J. Therapeutic agent. 373,002, Nov. 21, 1939. Republished June 14. Class 6.
Carpinteria Mutual Citrus Association, Carpinteria, Calif. Fresh citrus fruits. 260,997, renewed Sept. 3, 1949. O. G. June 14. Class 46.
Carter Dry Goods Company, Louisville, Ky. Sheetings, sheets, pillowcases, bed spreads, and cotton piece goods. 312,302, Apr. 24, 1934. Republished June 14. Class 42.
Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Plumbing fixtures. 510,894, June 14; Serial No. 536,763, published Feb. 22, 1949. Class 13.
Celanese Corporation of America, New York, N. Y. Envelopes, envelope windows, papery materials, etc. 442,894, June 14; Serial No. 505,556, published Feb. 8, 1949. Class 37.
Central Indiana Coal Company, Inc., Indianapolis, Ind. Soft coal. 510,991, June 14; Serial No. 550,020, published Mar. 15, 1949. Class 1.
Central Lemon Association, Orange, Calif. Fresh citrus fruits. 206,952, Nov. 17, 1925. Republished June 14. Class 46.
Central Lemon Association, Orange, Calif. Fresh citrus fruits. 207,333, Dec. 29, 1925. Republished June 14. Class 46.
Central Lemon Association, Orange, Calif. Fresh citrus fruit. 210,679, Mar. 23, 1926. Republished June 14. Class 46.
Certain-teed Products Corporation: *See*—
American Cement Plaster Co., The.
Chandler Boot Shops, Atlanta, Ga., New Orleans, La., Birmingham, Ala., Memphis and Nashville, Tenn., and Louisville, Ky., by Edison Brothers Stores, Inc., St. Louis, Mo. Hosiery. 228,068, May 24, 1927. Republished June 14. Class 39.
Chanel, Inc., New York, N. Y. Perfume, toilet water, eau de cologne, etc. 510,992, June 14; Serial No. 550,120, published Mar. 8, 1949. Class 6.
Chanel, Inc., New York, N. Y. Perfume. 511,105, June 14; Serial No. 539,852. Class 6.
Charmette Fabrics Company, Inc., New York, N. Y. Tricot knit jersies in the piece. 442,896, June 14; Serial No. 522,727, published Feb. 22, 1949. Class 42.
Charmette Fabrics Company, Inc., New York, N. Y. Fabric in the piece. 510,994, June 14; Serial No. 550,487, published Mar. 1, 1949. Class 42.
Chatfield Paper Corporation, The, Cincinnati, Ohio. Butchers' wrapping paper. 285,298, July 21, 1931. Republished June 14. Class 37.
Chesapeake and Ohio Railway Company, The, Cleveland, Ohio. Railway passenger and freight transportation services. 511,078, June 14; Serial No. 557,891, published Mar. 15, 1949. Class 55.
Chesapeake and Ohio Railway Company, The, Cleveland, Ohio. Railway passenger transportation services. 511,079–82, June 14; Serial No. 557,892–5, published Mar. 15, 1949. Class 55.
Chesapeake and Ohio Railway Company, The, Cleveland, Ohio. Railway passenger transportation services. 511,083, June 14; Serial No. 557,897, published Mar. 15, 1949. Class 55.
Chicago Flexible Shaft Company, Chicago, Ill., now by change of name to Sunbeam Corporation. Replaceable filter elements. 442,870, June 14; Serial No. 488,190, published Mar. 8, 1949. Class 31.
Chicago Metal Hose Corporation, Maywood, Ill. Couplings and fittings, flexible metal tubing, etc. 510,854, June 14; Serial No. 530,466, published Mar. 1, 1949. Class 13.
Chicles "Atlas," S. A., Guadalajara, Mex. Chewing gum. 436,869, Mar. 2, 1948. Republished June 14. Class 46.
Chipurnoi, Perry H., Inc., New York, N. Y. Macaroons. 510,881, June 14; Serial No. 534,744, published Mar. 1, 1949. Class 46.
Chula Vista Citrus Association, The: *See*—
Chula Vista Citrus Association.
Chula Vista Citrus Association, by The Chula Vista Citrus Association, Chula Vista, Calif. Fresh citrus fruit. 251,868, June 15, 1929. Republished June 14. Class 46.
Church & Dwight Co., Inc., New York, N. Y. Bicarbonate of soda. 258,577, renewed July 9, 1949. O. G. June 14. Class 6.
Church & Dwight Co., Inc., New York, N. Y. Bicarbonate of soda. 258,586, renewed July 9, 1949. O. G. June 14. Class 6.
Church & Dwight Co., Inc., New York, N. Y. Bicarbonate of soda. 258,619–22, renewed July 9, 1949. O. G. June 14. Class 6.
Citrus Fruit Association of Ontario, by Citrus Fruit Growers, Ontario, Calif. Fresh citrus fruit. 237,454, Jan. 10, 1928. Republished June 14. Class 46.
Citrus Fruit Association of Ontario, by Citrus Fruit Growers, Ontario, Calif. Fresh citrus fruit. 249,130, Nov. 6, 1928. Republished June 14. Class 46.
Citrus Fruit Growers: *See*—
Citrus Fruit Association of Ontario.
Clark, James R., doing business as The C. M. Company, by The C M Company, Durham, N. C. Preparation for the relief of discomfort or pain. 409,742, Oct. 17, 1944. Republished June 14. Class 6.
Clark, Robert H., doing business as Robert H. Clark Company, Beverly Hills, Calif. Can openers. 510,847, June 14; Serial No. 528,050, published Mar. 1, 1949. Class 23.
Clark, Robert H., Company: *See*—
Clark, Robert H.
Clover Farm Stores Corporation: *See*—
Foodland, Inc.
Clover Farm Stores Corporation, by Clover Farm Stores Corporation, Cleveland, Ohio. Canned corn and canned peaches. 314,809, July 10, 1934. Republished June 14. Class 46.
Clover Farm Stores Corporation, by Clover Farm Stores Corporation, Cleveland, Ohio. Canned fruits and canned vegetables. 319,013, Nov. 13, 1934. Republished June 14. Class 46.
Clover Manufacturing Company, The, Norwalk, Conn. Silicon carbide. 252,113, Jan. 22, 1929. Republished June 14. Class 1.
Cobb & Pullen: *See*—
Rotor Pickle and Canning Company.

Cold Spring Bleachery, Yardley, Pa. Processing service wherein fabrics are processed in accordance with instructions and the completed product returned to the owner. 511,071, June 14; Serial No. 544,057, published Mar. 1, 1949. Class 55.
Colgate-Palmolive-Peet Company: *See*—
Omega Chemical Company, The.
Colorado Milling & Elevator Co., The: *See*—
Caldwell Milling & Elevator Company, The.
Crescent Mill & Elevator Company.
Creacent Mill & Elevator Co., The.
Dodge City Milling & Elevator Company.
Eaton Milling & Elevator Co., The.
Farmers Milling & Mercantile Company, The.
Hays City Milling & Elevator Company, The.
Hungarian Milling & Elevator Company, The.
Hosier Milling & Elevator Company, The.
Longmont Farmers Milling & Elevator Co., The.
Loveland Milling & Elevator Company, The.
Meyer, John F., & Sons Milling Co.
Model Milling & Elevator Company, The.
O'Neal, Holland, Milling Co.
Pocatello Flour Mills Company, The.
St. Anthony Milling & Elevator Company, The.
Twin Falls Milling & Elevator Co., The.
Wilson Milling & Elevator Co., The.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 119,044–5, Oct. 23, 1917. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 119,947, Dec. 25, 1917. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 120,843, Mar. 12, 1918. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 121,266, Apr. 23, 1918. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 122,443, Aug. 20, 1918. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 123,569, Nov. 19, 1918. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 124,082, Mar. 11, 1919. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 131,438, May 18, 1920. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 134,229, Aug. 24, 1920. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 145,636, Aug. 16, 1921. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat-flour. 146,203, Sept. 6, 1921. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 151,716, Feb. 14, 1922. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 167,267, Apr. 24, 1923. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 170,844, July 24, 1923. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 181,764, Mar. 25, 1924. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 182,151, Apr. 1, 1924. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 187,185, July 29, 1924. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 192,797, Dec. 9, 1924. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 202,936, Sept. 8, 1925. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 209,021, Feb. 16, 1926. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 216,920, Oct. 6, 1926. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 219,296, Oct. 12, 1926. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 219,449, Oct. 19, 1926. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 222,256, Dec. 28, 1926. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 232,260, Sept. 6, 1927. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 232,421, Sept. 6, 1927. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 233,399, Sept. 27, 1927. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 240,223, Mar. 20, 1928. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 241,852, May 8, 1928. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 262,608, Oct. 15, 1929. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 264,605, Nov. 26, 1929. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Self-rising flour. 276,011, Dec. 2, 1930. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 278,521, Dec. 23, 1930. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 282,029, Apr. 7, 1931. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Self-rising flour. 291,785, Feb. 23, 1932. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Cake flour. 298,095, Oct. 11, 1932. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 313,091–2, May 15, 1934. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 320,448, Jan. 1, 1935. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 324,749, May 28, 1935. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 328,980, Oct. 15, 1935. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 338,780, Sept. 15, 1936. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 369,724, Aug. 1, 1939. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 381,452, Sept. 24, 1940. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 394,571, Apr. 14, 1942. Republished June 14. Class 46.
Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 434,587, Nov. 25, 1947. Republished June 14. Class 46.
Columbus Manufacturing Co., Columbus, Ga. Cotton sheetings. 510,929, June 14; Serial No. 542,224, published Mar. 1, 1949. Class 42.
Commander-Larabee Milling Company: *See*—
Commander Milling Company.
Commander Milling Company, by Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 253,860, Mar. 5, 1929. Republished June 14. Class 46.
Consolidated Cosmetics: *See*—
Associated Distributors.
Leduc, Marcel.
Younghusband, James L.
Consolidated Cosmetics, by Consolidated Cosmetics (1948), Chicago, Ill. Lipstick, rouge, antiperspirant, deodorant, etc. 414,146, May 29, 1945. Republished June 14. Class 6.
Consolidated Cosmetics, by Consolidated Cosmetics (1948), Chicago, Ill. Perfume, cologne, toilet water, etc. 418,522, Jan. 1, 1946. Republished June 14. Class 6.
Consolidated Cosmetics, by Consolidated Cosmetics (1948), Chicago, Ill. Face powder, lipstick, hand cream, etc. 420,234, Apr. 2, 1946. Republished June 14. Class 6.
Consolidated Cosmetics, by Consolidated Cosmetics (1948), Chicago, Ill. Face powder, dusting powder and perfume. 423,001, Aug. 20, 1946. Republished June 14. Class 6.
Consolidated Cosmetics, by Consolidated Cosmetics (1948), Chicago, Ill. Insecticides. 424,189, Sept. 24, 1946. Republished June 14. Class 6.
Consolidated Cosmetics, by Consolidated Cosmetics (1948), Chicago, Ill. Perfume, cologne, lipstick, face powder, etc. 426,323, Dec. 24, 1946. Republished June 14. Class 6.
Consolidated Cosmetics, by Consolidated Cosmetics (1948), Chicago, Ill. Incense, and perfumed burning oils. 427,576, Feb. 11, 1947. Republished June 14. Class 6.
Consolidated Cosmetics, by Consolidated Cosmetics (1948), Chicago, Ill. Perfume, cologne, face powder and hand lotion. 431,835, Aug. 12, 1947. Republished June 14. Class 6.
Consolidated Cosmetics, by Consolidated Cosmetics (1948), Chicago, Ill. Perfume, cologne, face powder, brilliantine, and lipstick. 432,410, Sept. 2, 1947. Republished June 14. Class 6.

Consolidated Cosmetics, by Consolidated Cosmetics (1948), Chicago, Ill. Laundry soap, toilet soap, abrasive window cleaner, etc. 436,188, Jan. 27, 1948. Republished June 14. Class 4.

Consolidated Cosmetics, by Consolidated Cosmetics (1948), Chicago, Ill. Anti-perspirant, lipstick, rouge, face powder, etc. 437,162, Mar. 9, 1948. Republished June 14. Class 6.

Consolidated Cosmetics (1948) : *See*—
Consolidated Cosmetics.

Consolidated Rendering Company, Boston, Mass. Glue. 256,552, May 21, 1929. Republished June 14. Class 5.

Consolidated Rendering Company, Boston, Mass. Lard, oleo oils, poultry and stock feeds, etc. 256,553, May 21, 1929. Republished June 14. Class 46.

Continental Casualty Company, Chicago, Ill. Accident, health and hospitalization insurance services. 511,076, June 14; Serial No. 552,916, published Mar. 8, 1949. Class 53.

Cordero, Gabriel S., Mexico City, Mex. Medicinal product. 442,890, June 14; Serial No. 514,901, published Mar. 1, 1949. Class 6.

Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrolytic condensers. 376,406, Mar. 26, 1940. Corrected. O. G. June 14. Class 21.

Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrolytic condensers. 379,258–9, July 9, 1940. Corrected. O. G. June 14. Class 21.

Caro, Inc., New York, N. Y. Necklaces, bracelets, earrings, jewelry clips, brooches, lockets, etc. 511,089, June 14; Serial No. 513,609. Class 28.

Coronado Manufacturing Company : *See*—
Rothschild, Harold L.

Corry-Jamestown Manufacturing Corporation, Jamestown, N. Y., and Corry, Pa. Office furniture. 203,645, Sept. 22, 1925. Republished June 14. Classes 2 and 32.

Courtaulds Limited : *See*—
Viscose Company, The.

Covina Citrus Association, Covina, Calif. Fresh citrus fruits. 205,956, Nov. 17, 1925. Republished June 14. Class 46.

Cow, P. B., & Co. Limited, London, England. Sink plugs; anti-splash devices for taps; and flexible attachments for taps. 510,889, June 14; Serial No. 533,822, published Mar. 1, 1949. Class 13.

Coward, James S., to The Coward Shoe, Inc., New York, N. Y. Leather boots and shoes. 73,661, re-renewed May 11, 1949. O. G. June 14. Class 39.

Coward Shoe, Inc., The : *See*—
Coward, James S.

Coward Shoe, Inc., The, New York, N. Y. Hosiery. 312,916, May 15, 1934. Republished June 14. Class 39.

Crane, Willard G., Auburn, N. Y., by Armour and Company, Chicago, Ill. White laundry soap. 40,024, Mar. 31, 1903. Republished June 14. Class 4.

Crescent Mill & Elevator Company, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 45,561, Aug. 22, 1905. Republished June 14. Class 46.

Crescent Mill & Elevator Co., The, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 99,564, Sept. 8, 1914. Republished June 14. Class 46.

Crescent Mill & Elevator Co., The, by The Colorado Milling & Elevator Co., Denver, Colo. Self rising wheat flour. 101,566, Dec. 29, 1914. Republished June 14. Class 46.

Crescent Tool Company, Jamestown, N. Y. Pliers. 95,302, Feb. 10, 1914. Republished June 14. Class 23.

Crescent Tool Company, Jamestown, N. Y. Pliers and wrenches. 97,826, June 23, 1914. Republished June 14. Class 23.

Corvex Corporation, New York, N. Y. Hair curlers, eyelash curlers and refills for eyelash curlers. 511,029, June 14; Serial No. 555,596, published Jan. 18, 1949. Class 40.

Dache, Lilly, Inc., New York, N. Y. Handbags. 511,014, June 14; Serial No. 552,955, published Mar. 8, 1949. Class 3.

Daniels, C., & Company, Inc. : *See*—
Daniels, Cosimo.

Daniels, Cosimo, to C. Daniels & Company, Inc., New York, N. Y. Olive oil, canned tomatoes, canned peas, etc. 254,564, renewed Mar. 26, 1949. O. G. June 14. Class 46.

Daniels Manufacturing Company, Rhinelander, Wis. Special flexible transparent glassine. 510,890, June 14; Serial No. 535,830, published Mar. 8, 1949. Class 37.

Darwin, Elisabeth, Hollywood, Calif. Shoulder pads. 511,001, June 14; Serial No. 551,609, published Jan. 18, 1949. Class 40.

Davies, William, Co., Inc. : *See*—
Davies, William, Company, Limited, The.

Davies, William, Company, Limited, The, by William Davies Co., Inc., Chicago, Ill. Bacon. 128,967, Jan. 20, 1920. Republished June 14. Class 46.

Davis Manufacturing Company, by Davis Manufacturing Co., Inc., Knoxville, Tenn. Food flavoring extracts. 217,117, Aug. 24, 1926. Republished June 14. Class 46.

Davis Manufacturing Co., Inc. : *See*—
Davis Manufacturing Company.
Greever-Letspeich Mfg. Co.

Day & Night Manufacturing Company, Monrovia, Calif. Gas consuming space heaters. 430,718, June 24, 1947. Republished June 14. Class 24.

Dasian's Inc., New York, N. Y., Chicago, Ill., and Los Angeles, Calif., Boston, Mass., and Detroit, Mich. Textile fabrics in the piece. 510,898, June 14; Serial No. 537,019, published Mar. 1, 1949. Class 42.

Dearborn Glass Company, Chicago, Ill. Glass wall tile. 510,957, June 14; Serial No. 546,091, published Feb. 22, 1949. Class 12.

Decca Records, Inc., New York, N. Y. Mechanically grooved phonograph records. 510,900, June 14; Serial No. 537,163, published Mar. 22, 1949. Class 36.

Delbon, Frank G., Brooklyn, N. Y., to Miller-Jones Company, Columbus, Ohio. Shoes constructed of leather. 253,836, renewed Mar. 5, 1949. O. G. June 14. Class 39.

De Lisle, Harold L., Estate of, doing business as Engineering Manufacturing Company, assignor by court order and mesne assignments, to Engineering Manufacturing Co., Sheboygan, Wis. Parallel rulers, straightedges, T-squares, etc. 442,885, June 14; Serial No. 505,740, published Feb. 1, 1949. Class 26.

Des Moines Glove & Mfg. Company, Inc., Des Moines, Iowa. Golf bags, baseball gloves, etc. 396,807, Aug. 4, 1942. Republished June 14. Class 22.

Des Moines Glove & Mfg. Company, Inc., Des Moines, Iowa. Gloves and mittens. 399,196, Dec. 22, 1942. Republished June 14. Class 39.

Diadem, Inc., Leominster, Mass. Combs and coiffure combs. 510,953, June 14; Serial No. 545,964, published Mar. 1, 1949. Class 40.

Dictograph Products Company, Inc., New York, N. Y. Electrical hearing aids. 511,031, June 14; Serial No. 555,995, published Feb. 22, 1949. Class 44.

Dieterich-Post Company, San Francisco, Calif. Drawing paper, tracing paper, ruled paper, etc. 510,916, June 14; Serial No. 538,617, published Mar. 1, 1949. Class 37.

Diversey Corporation, The, Chicago, Ill. Cleaning compound. 511,030, June 14; Serial No. 555,803, published Feb. 15, 1949. Class 4.

Dixie Mills Company, East St. Louis, Ill. Dog food. 379,980, Aug. 6, 1940. Republished June 14. Class 46.

Dixie Mills Company, East St. Louis, Ill. Livestock and dairy feeds. 387,301, May 13, 1941. Republished June 14. Class 46.

Dixie-Portland Flour Co. : *See*—
Kansas Mill & Elevator Company.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Water soluble colored indelible pencils. 510,970, June 14; Serial No. 547,521, published Feb. 8, 1949. Class 37.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 510,971, June 14; Serial No. 547,522, published Feb. 8, 1949. Class 37.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 510,972, June 14; Serial No. 547,526, published Feb. 8, 1949. Class 37.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 510,973, June 14; Serial No. 547,529, published Feb. 15, 1949. Class 37.

Dodge City Milling & Elevator Company, Dodge City, Kans., by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 71,289, Nov. 17, 1908. Republished June 14. Class 46.

Dome Chemicals, Inc., New York, N. Y. Tablets, solutions, and pastes. 383,764, Dec. 24, 1940. Republished June 14. Class 6.

Dome Chemicals, Inc., New York, N. Y. Medicines and pharmaceutical preparations. 387,771, May 27, 1941. Republished June 14. Class 6.

Domestic Stoker Company, New York, N. Y., by General Machine Company, Inc., Emmaus, Pa. Electric automatic stokers. 188,711, Sept. 2, 1924. Republished June 14. Class 21.

Dorsey Company, The : *See*—
Dorsey-Schonlau Company.

Dorsey, David H. : *See*—
Dorsey-Schonlau Company.

Dorsey-Schonlau Company, assignor to D. H. Dorsey, Culver City, Calif., doing business as The Dorsey Company. Child's auxiliary toilet seat. 510,896, June 14; Serial No. 536,878, published Mar. 1, 1949. Class 13.

Douglas Laboratories, Inc., Boston, Mass. Amino acid preparation. 510,877–8, June 14; Serial Nos. 534,418–19, published Feb. 22, 1949. Class 6.

Drilling Specialties Company, Bartlesville, Okla. Sodium salt of carboxymethylcellulose. 510,996, June 14; Serial No. 550,675, published Mar. 15, 1949. Class 6.

Dronsfield Brothers Limited, Oldham, England. Emery tapes, emery belts, glass tapes, etc. 74,901, re-renewed Aug. 17, 1940. O. G. June 14. Class 4.

Eagle Knitting Mills, by Eagle Knitting Mills, Inc., Milwaukee, Wis. Knit goods. 225,626, Mar. 22, 1927. Republished June 14. Class 39.

Eagle Knitting Mills, Inc. : *See*—
Eagle Knitting Mills.

Eastern Textile Shrinkers, Inc., New York, N. Y. Shrinking fabrics. 511,084, June 14; Serial No. 552,596, published Mar. 15, 1949. Class 55.

Eastern Shore Canning Co., Inc., Machipongo, Va. Canned vegetables and frozen vegetables. 342,331, Jan. 12, 1937. Republished June 14. Class 46.

Eaton Milling & Elevator Co., The, Eaton, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 82,771, July 25, 1911. Republished June 14. Class 46.

Eaton Milling & Elevator Co., The, Eaton, Colo., by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 85,092, Jan. 30, 1912. Republished June 14. Class 46.

Eddystone Manufacturing Company, The, Eddystone, Pa. Cotton goods in piece. 73,440, re-renewed Apr. 20, 1949. O. G. June 14. Class 42.

Edison Brothers Stores, Inc. : *See*—
Chandler Boot Shops.

Edlund Company, Burlington, Vt. Can openers, egg beaters, jar openers, etc. 510,872, June 14; Serial No. 533,668, published Mar. 8, 1949. Class 23.

Einhorn Brothers, to Einhorn Brothers, Inc., Philadelphia, Pa. Children's dresses. 255,024, renewed Apr. 9, 1949. O. G. June 14. Class 39.

Einhorn Brothers, Inc. : *See*—
Einhorn Brothers.

Elkhart Band Instrument Company, The, Elkhart, Ind. Saxophones, cornets, trumpets, etc. 510,931, June 14; Serial No. 542,416, published Mar. 15, 1949. Class 36.

Empire Box Corporation, Garfield, N. J., and Chicago, Ill., by Empire Box Corporation, Garfield, N. J. Collapsible glued boxes, cartons, and trays. 383,474, Dec. 10, 1940. Republished June 14. Class 2.

Engineering Manufacturing Co. : *See*—
De Lisle, Harold L., Estate of.

Engineering Manufacturing Company : *See*—
De Lisle, Harold L., Estate of.

Erving Paper Mills, Erving, Mass. Paper napkins, paper towels, and toilet tissue. 510,965, June 14; Serial No. 546,474, published Mar. 1, 1949. Class 37.

Erving Paper Mills, Erving, Mass. Paper napkins. 510,966, June 14; Serial No. 546,478, published Mar. 1, 1949. Class 37.

Essential Products, Inc., Chicago, Ill. Non-woven cloth. 511,034, June 14; Serial No. 556,787, published Feb. 8, 1949. Class 42.

Esso Standard Oil Company : *See*—
Stanco Incorporated.
West India Oil Company.

Evans Case Co., North Attleboro, Mass. Cigarette lighters, cigarette cases, compacts, etc. 511,004, June 14; Serial No. 552,046, published Mar. 8, 1949. Class 28.

Everlast Pen Corporation, New York, N. Y. Fountain pens, ball pens, and mechanical pencils. 510,849, June 14; Serial No. 528,711, published Feb. 8, 1949. Class 37.

Everseal Manufacturing Co., Inc., New York, N. Y. Paints, ready-mixed, liquid, paste, or semi-paste; house paint, flat wall paint, etc. 256,511, renewed May 21, 1949. O. G. June 14. Class 16.

Faber, Eberhard, by Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead-pencils, pencil-lengtheners, pencil-erasers, and penholders. 137,216, Nov. 23, 1920. Republished June 14. Class 37.

Faber, Eberhard, Pencil Company : *See*—
Faber, Eberhard.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils, colored and copying pencils, etc. 342,467, Jan. 19, 1937. Republished June 14. Class 37.

Falconer Plate Glass Corporation, Falconer, N. Y. Mirrors. 289,151, Nov. 17, 1931. Republished June 14. Class 32.

Farmers Milling & Mercantile Company, The, Berthond, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 79,478, Sept. 13, 1910. Republished June 14. Class 46.

Farr Bros. Co., Allentown, Bethlehem, Reading, and Easton, Pa. Shoes. 247,187, Sept. 25, 1928. Republished June 14. Class 39.

Farrington Manufacturing Company, Boston, Mass. Embossing and printing machines and parts thereof. 510,913, June 14; Serial No. 538,261, published Mar. 8, 1949. Class 23.

Faultless Rubber Company, The, Ashland, Ohio. Baby hot water bottles, breast pumps, bulb syringes, etc. 510,955, June 14; Serial No. 532,128, published Feb. 8, 1949. Class 44.

Federal Underwriters, Dallas, Tex. Hotel management. 511,068, June 14; Serial No. 526,995, published Feb. 22, 1949. Class 55.

Ferguson Waterproof Co., to The Alligator Company, St. Louis, Mo. Oiled clothing. 75,365, re-renewed Sept. 26, 1940. O. G. June 14. Class 39.

First National Bank of Chicago, The, Chicago, Ill. Transaction of commercial, savings, investment and foreign banking, trust and real estate loan business. 511,048, June 14; Serial No. 542,846, published Mar. 15, 1949. Class 55.

Fisher, J. M., Company, Attleboro, Mass. Jewelry, etc. 510,879, June 14; Serial No. 534,425, published Mar. 15, 1949. Class 28.

Fisher, Robert L., San Francisco, Calif. Polishing pads or buffs. 442,877, June 14; Serial No. 495,462, published Jan. 11, 1949. Class 29.

Flagstaff Foods : *See*—
Greenspan Brothers Company.

Flanzer, H., & Son, New York, N. Y. Ruffings, novelty trimmings and skirt facings. 511,045, June 14; Serial No. 539,014, published Jan. 18, 1949. Class 40.

Flintridge China, Pasadena, Calif. Dinnerware manufactured of clay. 511,092, June 14; Serial No. 517,808. Class 30.

Flocker, John, and Company, Pittsburgh, Pa. Jute and cotton fabrics. 510,844, June 14; Serial No. 527,616, published Mar. 1, 1949. Class 42.

Flour Mills of America, Inc. : *See*—
Hoffman, C. S. & Son Milling Company, The.

Food Machinery and Chemical Corporation : *See*—
Niagara Sprayer Company.

Foodland, Inc., by Clover Farm Stores Corporation, Cleveland, Ohio. Canned salmon, canned fruits and vegetables, mustard, etc. 326,478, July 23, 1935. Republished June 14. Class 46.

Foodland, Inc., by Clover Farm Stores Corporation, Cleveland, Ohio. Wheat flour, coffee, evaporated milk, etc. 326,832, Aug. 6, 1935. Republished June 14. Class 46.

Foodland, Inc., by Clover Farm Stores Corporation, Cleveland, Ohio. Canned meat product. 357,850, June 3, 1941. Republished June 14. Class 46.

Ford Motor Company, Dearborn, Mich. Electric clocks. 511,060, June 14; Serial No. 569,137, published Mar. 8, 1949. Class 27.

Ford Motor Company, Dearborn, Mich. Locks, ignition switch locks, fuel tank locking caps, etc. 511,061, June 14; Serial No. 569,140, published Mar. 8, 1949. Class 25.

Forster Willi & Co., St. Gall, Switzerland. Laces and embroideries. 510,875, June 14; Serial No. 534,102, published Feb. 8, 1949. Class 42.

Fort Howard Paper Company, Green Bay, Wis. Paper napkins. 510,959, June 14; Serial No. 546,213, published Mar. 1, 1949. Class 37.

Foster, Charles, & Co., assignor to Charles Foster & Co., Inc., New York, N. Y. Optical goods. 510,859, June 14; Serial No. 531,657, published June 29, 1948. Class 26.

Foster, Charles, & Co., Inc. : *See*—
Foster, Charles, & Co.

Foy Paint Co., The, by The Foy Paint Company, Inc., Cincinnati, Ohio. Dry, paste, and ready mixed paints, woodstains, paint enamels, and iron-fillers of paint nature. 143,000, May 24, 1921. Republished June 14. Class 16.

Foy Paint Co., The, by The Foy Paint Company, Inc., Cincinnati, Ohio. Ready-mixed paints. 198,422, May 19, 1925. Republished June 14. Class 16.

Foy Paint Company, Inc., The : *See*—
Foy Paint Co., The.
Johnston, R. F., Paint Co., The.
Johnston, R. F., Paint Company, The.

Foy Paint Company, Inc., The, Cincinnati, Ohio. Paints. 416,972, Oct. 9, 1945. Republished June 14. Class 16.

Friedrich, Ed., Inc., San Antonio, Tex. Apparatus used for supplying current. 361,187, Sept. 17, 1940. Republished June 14. Class 21.

Fulton Chemical Company, New York, assignor to Buffalo Specialty Company, by Liquid Veneer Corporation, Buffalo, N. Y. Preparations for destroying vermin. 90,188, Feb. 11, 1913. Republished June 14. Class 6.

Gallon Iron Works & Manufacturing Company, The, Galion, Ohio. Road scrapers, road graders, road rollers, etc. 510,824, June 14; Serial No. 510,167, published Mar. 1, 1949. Class 23.

Galloway Coal Company, Memphis, Tenn., by Galloway Coal Mining Company, Inc., Carbon Hill, Ala. Coal. 246,168, Oct. 16, 1928. Republished June 14. Class 1.

Galloway Coal Mining Company, Inc. : *See*—
Galloway Coal Company.

Gaseteria, Inc. : *See*—
Gaseteria Incorporated.

Gaseteria Incorporated, by Gaseteria, Inc., Indianapolis, Ind. Lubricating oils. 296,953, Aug. 30, 1932. Republished June 14. Class 15.

Gaseteria Incorporated, by Gaseteria, Inc., Indianapolis, Ind. Lubricating oils and greases and gasoline. 300,665, Jan. 31, 1933. Republished June 14. Class 15.

Gaylord Container Corporation : *See*—
Gaylord, Robert, Incorporated.

Gaylord, Robert, Incorporated, to Gaylord Container Corporation, St. Louis, Mo. Fibreboard shipping boxes. 260,504, renewed Aug. 27, 1949. O. G. June 14. Class 2.

Gaylord, Robert, Incorporated, to Gaylord Container Corporation, St. Louis, Mo. Fibreboard packing cases. 260,505, renewed Aug. 27, 1949. O. G. June 14. Class 2.

Gaylord, Robert, Incorporated, to Gaylord Container Corporation, St. Louis, Mo. Liners of paper material. 260,507, renewed Aug. 27, 1949. O. G. June 14. Class 2.

Geigy Company, Inc. : *See*—
Aniline Color and Extract Works.

Geigy, John R. : *See*—
Aniline Color and Extract Works.

Genatosan Limited, Loughborough, England. Skin lotions, toilet cream, toilet powder, etc. 510,963, June 14; Serial No. 546,387, published Mar. 8, 1949. Class 6.

General Machine Company, Inc. : *See*—
Domestic Stoker Company.

Georgiades, Christo & Co. Inc. : *See*—
Georgiades, Louise.

Georgiades, Louise, doing business as Christo Georgiades & Co., Inc., New & Co., Brooklyn, to Christo Georgiades & Co. Inc., New York, N. Y. Stuffed and glaced fruits and candied nuts. 260,225, renewed Aug. 20, 1949. O. G. June 14. Class 46.

Gibson Refrigerator Company, Greenville, Mich. Refrigerators, refrigerator cabinets, refrigerant compressors, etc. 510,857, June 14; Serial No. 531,025, published Mar. 8, 1949. Class 31.

Glister, Eva, by Glister Milling Company, Chester, Ill. Self-rising wheat flour. 102,941, Mar. 2, 1915. Republished June 14. Class 46.

Glister Milling Company: *See*—
Glister, Eva.

Giroux Company, Inc., New York, N. Y. Onion juice, garlic flavor, table syrups, etc. 510,873, June 14; Serial No. 533,879, published Mar. 1, 1949. Class 46.

Glass, Henry, & Co., New York, N. Y. Cotton piece goods. 261,241, renewed Sept. 10, 1949. O. G. June 14. Class 42.

Glatfelter, P. H., Company, Spring Grove, Pa. Writing and printing paper. 510,989, June 14; Serial No. 549,633, published Mar. 8, 1949. Class 37.

Glicksman, A., and Company: *See*—
Glicksman, Aaron.

Glicksman, Aaron, doing business as A. Glicksman and Company, Chicago, Ill. Leather in the piece. 442,900, June 14; Serial No. 524,793, published Mar. 15, 1949. Class 1.

Gluck, Joseph, by Joseph Gluck Fabrics, Inc., New York, N. Y. Rayon piece goods. 417,133, Oct. 16, 1945. Republished June 14. Class 42.

Gluck, Joseph, Fabrics, Inc.: *See*—
Gluck, Joseph.

Goddard, J., & Sons, to J. Goddard & Sons Limited, Leicester, England. Plate powder. 260,103, renewed Aug. 13, 1949. O. G. June 14. Class 4.

Goddard, J., & Sons Limited: *See*—
Goddard, J., & Sons.

Goeller, Lawrence E., doing business as Kippy-Kit Company, Circleville, Ohio. Travelling kit. 511,094, June 14; Serial No. 519,188. Class 50.

Golden Star Polish Mfg. Co.: *See*—
Bettes, A. O., Mfg. Co. Inc.

Goodman, Elisabeth A., doing business as Safety Gas Main Stopper Co., Brooklyn, N. Y. Gas main stoppers. 510,899, June 14; Serial No. 537,037, published Mar. 1, 1949. Class 13.

Goodman Manufacturing Company, Chicago, Ill. Illustrated magazine. 510,997, June 14; Serial No. 550,886, published Mar. 8, 1949. Class 38.

Goodrich, B. F., Company, The: *See*—
Hood Rubber Co.
Hood Rubber Company.

Gordon Baking Company: *See*—
Gordon-Pagel Company.

Gordon-Pagel Company, assignor to Gordon Baking Company, by Gordon Baking Company, Detroit, Mich. Bread. 232,388, Sept. 6, 1927. Republished June 14. Class 46.

Granat Bros., Inc., San Francisco, Calif. Finger rings. 510,934, June 14; Serial No. 542,923, published Mar. 15, 1949. Class 28.

Grand Rapids Furniture Makers Guild, Grand Rapids, Mich. Wooden and upholstered household and office furniture. 302,994, May 9, 1933. Republished June 14. Class 32.

Grayell, William G., doing business as Lakewood Products Company, Norwalk, Ohio. Feature advertising. 510,983, June 14; Serial No. 548,497, published Mar. 1, 1949. Class 38.

Great Lakes Carbon Corporation, Chicago, Ill. Diatomaceous earth, kieselguhr, and infusorial earth fillers. 511,056, June 14; Serial No. 562,699, published Mar. 1, 1949. Class 4.

Great Western Sugar Company, The, Denver, Colo. Sugar beet seed. 510,987–8, June 14; Serial No. 549,540–1, published Mar. 15, 1949. Class 1.

Greenbaum, Harry L., doing business as Technical Color and Chemical Works, to Technical Color & Chemical Works, Inc., Brooklyn, N. Y. Glue. 259,285, renewed July 30, 1949. O. G. June 14. Class 5.

Greenbaum, Harry L., doing business as Technical Color and Chemical Works, to Technical Color & Chemical Works, Inc., Brooklyn, N. Y. Tar. 260,438, renewed Aug. 27, 1949. O. G. June 14. Class 1.

Green Mountain Packing Co., Inc., St. Albans, Vt. Canned vegetables and canned fruits. 399,105, Dec. 15, 1942. Republished June 14. Class 46.

Green River Fuel Company, Incorporated, Mozg, to C. A. Reis, South Carrollton, Ky. Coal. 260,457, renewed Aug. 27, 1949. O. G. June 14. Class 1.

Green River Fuel Company, Incorporated, Mozg, by C. A. Reis, South Carrollton, Ky. Coal. 260,471, Aug. 27, 1929. Republished June 14. Class 1.

Greenspan Brothers Company, by Flagstaff Foods, Perth Amboy N. J. Canned vegetables, canned fruit, canned fish, etc. 294,046, May 17, 1932. Republished June 14. Class 46.

Greever-Lotspeich Mfg. Co., by Davis Manufacturing Co., Inc., Knoxville, Tenn. Food flavoring. 229,736, July 5, 1927. Republished June 14. Class 46.

Grumbacher, M., Inc., New York, N. Y. Artists' brushes. 510,945, June 14; Serial No. 544,084, published Jan. 4, 1949. Class 29.

Guerin Mills Inc., Woonsocket, R. I. Worsted piece goods. 510,902, June 14; Serial No. 537,311, Feb. 8, 1949. Class 42.

Gulf Vegetable and Fruit Company, Inc., Weslaco, Tex. Fresh vegetables and fresh fruits. 279,234, Jan. 18, 1931. Republished June 14. Class 46.

Gustin-Bacon Manufacturing Company, Kansas City, Mo. Pipe couplings. 510,925, June 14; Serial No. 511,326, published Mar. 1, 1949. Class 13.

Halper, Myer, doing business as Halper Publishing Co., Chicago, Ill. Trade publications. 511,025, June 14; Serial No. 655,175, published Mar. 8, 1949. Class 38.

Halper Publishing Co.: *See*—
Halper, Myer.

Hampshire Paper Company, Holyoke, Mass. Writing and printing paper and mailing envelopes. 208,591, Sept. 22, 1925. Republished June 14. Class 37.

Hancock, Marion, Brewster, N. Y. Periodical publications. 511,019, June 14; Serial No. 554,376, published Mar. 8, 1949. Class 38.

Handley, Wilson L., doing business as Modern Homeways, Topeka, Kans. Periodic publication. 511,016, June 14; Serial No. 553,366, published Mar. 1, 1949. Class 38.

Happy Day Company, Inc., by The Leblanc Corporation, Lafayette, La. Dietary supplement. 416,877, Sept. 25, 1945. Republished June 14. Class 6.

Haroth Stores, Inc., New York, N. Y. Girls', misses', and ladies' coats, suits. 427,077, Jan. 28, 1947. Republished June 14. Class 39.

Harris, P. E., & Co.: *See*—
Sanborn, George W., & Son.

Harvel Watch Company, New York, N. Y. Watches, watch-movements, watchcases, and parts thereof. 510,928, June 14; Serial No. 542,123, published Mar. 8, 1949. Class 27.

Hat Corporation of America, Norwalk, Conn. Hats for men and women. 324,210, May 14, 1935. Republished June 14. Class 39.

Hays City Milling & Elevator Company, The, Hays, Kans., by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 105,590, Aug. 10, 1915. Republished June 14. Class 46.

Hays City Milling and Elevator Company, The, Hays, Kans., by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 106,602, Oct. 26, 1915. Republished June 14. Class 46.

Hearst Magazines Inc., New York, N. Y. Magazine. 419,659, Feb. 26, 1946. Republished June 14. Class 38.

Heil Co., The, Milwaukee, Wis. Self-propelled, earth moving scrapers. 510,903, June 14; Serial No. 537,312, published Mar. 1, 1949. Class 23.

Heil Co., The, Milwaukee, Wis. Hydraulic dump units, hydraulic lift mechanisms, etc. 510,917, June 14; Serial No. 538,638, published Mar. 1, 1949. Class 23.

Heinrich, H. H., Inc., New York, N. Y. Apparatus for registering printing plates. 510,901, June 14; Serial No. 537,191, published Mar. 1, 1949. Class 23.

Helwith, Alfred L., New York, N. Y. Cotton, rayon, and silk fabrics in the piece. 345,856, May 11, 1937. Republished June 14. Class 42.

Hesselin & Co., Inc., New York, N. Y. Sheeting, sheets, and pillow cases. 442,887, June 14; Serial No. 508,222, published Mar. 1, 1949. Class 42.

Hirsch, Fred S., Los Angeles, Calif. Herb-vegetable compound. 184,157, May 20, 1924. Republished June 14. Class 6.

Hoffman, Arnold & Co. Incorporated, Providence, R. I. Chemical to be added to fire fighting liquid. 442,894, June 14; Serial No. 520,249, published Mar. 8, 1949. Class 6.

Hoffman, C., & Son Milling Company, The, Enterprise, Kans., by Flour Mills of America, Inc., Kansas City, Mo. Wheat flour. 70,518, Sept. 8, 1908. Republished June 14. Class 46.

Holiday Casuals, Brooklyn, N. Y. Slippers. 418,707, Jan. 8, 1946. Republished June 14. Class 39.

Hood Rubber Co., Boston, Mass., to the B. F. Goodrich Company, New York, N. Y., and Akron, Ohio. Rubber boots and shoes. 74,510, re-renewed July 20, 1949. O. G. June 14. Class 39.

Hood Rubber Company, Watertown, Mass., to The B. F. Goodrich Company, New York, N. Y., and Akron, Ohio. Rubber boots and shoes, rubber overshoes, rubber-soled canvas shoes. 260,854, renewed Aug. 27, 1949. O. G. June 14. Class 39.

Hoppe-Copters, Inc., Seattle, Wash. Rotary wing aircraft. 430,803, June 10, 1947. Republished June 14. Class 19.

Howard Paper Mills, Inc., Dayton, Ohio. Bond paper, ledger paper, and paper envelopes. 510,852, June 14; Serial No. 529,994, published Mar. 8, 1949. Class 37.

Howard Paper Mills, Inc., Dayton, Ohio. Paper envelopes. 510,853, June 14; Serial No. 530,000, published Mar. 1, 1949. Class 37.

Howells Mining Drill Company, Plymouth, Pa. Coal and rock drills, machines for drilling coal and rock, and parts thereof. 510,907, June 14; Serial No. 537,798, published Mar. 8, 1949. Class 23.

Howes, S., Company, The, by S. Howes Co., Inc., Silver Creek, N. Y. Grain-cleaners, grain-separators, grain-scourers, etc. 86,504, May 21, 1912. Republished June 14. Class 23.

Howes, S., Co., Inc.: *See*—
Howes, S., Company, The.

Hudnut, Richard, New York, N. Y. Periodical. 511,005, June 14; Serial No. 552,145, published Mar. 8, 1949. Class 38.

Hueter, Otto W., Toledo, Ohio. Sectionally attachable small bar rack. 510,882, June 14; Serial No. 534,780, published Mar. 1, 1949. Class 13.

Hungarian Milling & Elevator Company, The, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 45,493, Aug. 22, 1905. Republished June 14. Class 46.

Hungarian Milling & Elevator Company, The, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 45,499, Aug. 22, 1905. Republished June 14. Class 46.

Huntington Laboratories, Inc., Huntington, Ind. Liquid detergent. 440,012, Aug. 3, 1948. Republished June 14. Class 4.

Hunter Milling & Elevator Company, The, Salt Lake City, Utah, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 90,335, Feb. 18, 1913. Republished June 14. Class 46.

Ice-Flo Corporation, Lonsdale, R. I. Refrigerating apparatus. 511,012, June 14; Serial No. 552,783, published Mar. 8, 1949. Class 31.

Industrial Tape Corporation, North Brunswick Township, N. J. Adhesive tapes used in the electrical industry. 426,300, Dec. 24, 1946. Republished June 14. Class 21.

Inland Steel Company, Chicago, Ill. Railway track bolts, nuts, and spikes. 510,895, June 14; Serial No. 536,810, published Mar. 1, 1949. Class 13.

Insul-Wool Insulation Corp., Wichita, Kans. Thermal insulating material. 511,002, June 14; Serial No. 551,976, published Feb. 22, 1949. Class 12.

International Braid Company, Providence, R. I., by International Braid Corp., Fall River, Mass. Shoe lacings, corset lacings, underwear lacings, etc. 252,016, Jan. 22, 1929. Republished June 14. Class 40.

International Braid Corp.: *See*—
International Braid Company.

International Detrola Corporation: *See*—
Newport Rolling Mill Co.

International Harvester Company, Chicago, Ill. Chest type freezers, household refrigerators, commercial refrigerators, etc. 511,021, June 14; Serial No. 554,674, published Mar. 8, 1949. Class 31.

Ireland Bros., Johnstown, N. Y. Ladies' gloves. 372,664, Nov. 7, 1939. Republished June 14. Class 39.

Jacobs, E. H., Manufacturing Company, to The Bullard Clark Company, Danielson, Conn. Loom-pickers made of leather. 33,168, re-renewed June 27, 1949. O. G. June 14. Class 23.

Janitors Supply House, Incorporated, Baltimore, Md. Mops, brooms, and brushes. 510,982, June 14; Serial No. 547,997, published Jan. 11, 1949. Class 20.

Jeffrey Manufacturing Company, The, Columbus, Ohio. Ash bins, rock or gravel bins, coal bins, etc. 510,939, June 14; Serial No. 543,457, published Mar. 15, 1949. Class 2.

Johnson & Johnson: *See*—
American Bandage Corp.

Johnson & Johnson, New Brunswick, N. J. Protective surgical dressing. 194,123, Jan. 13, 1925. Republished June 14. Class 44.

Johnson & Johnson, New Brunswick, N. J. Baby cream. 396,705, July 28, 1942. Republished June 14. Class 6.

Johnson & Johnson, New Brunswick, N. J. Surgical dressing and sponges. 405,362, Jan. 25, 1944. Republished June 14. Class 44.

Johnston, R. F., Paint Co., The, by The Foy Paint Company, Inc., Cincinnati, Ohio. Prepared and ready-mixed paints. 142,282, May 10, 1921. Republished June 14. Class 16.

Johnston, R. F., Paint Company, The, by The Foy Paint Company, Inc., Cincinnati, Ohio. Paint. 142,593, May 17, 1921. Republished June 14. Class 16.

Johnston, R. F., Paint Company, The, by The Foy Paint Company, Inc., Cincinnati, Ohio. Varnish. 163,794, Jan. 30, 1923. Republished June 14. Class 16.

Johnston, R. F., Paint Company, The, by The Foy Paint Company, Inc., Cincinnati, Ohio. Ready-mixed paints. 179,520, Feb. 12, 1924. Republished June 14. Class 16.

Johnston, R. F., Paint Company, The, by The Foy Paint Company, Inc., Cincinnati, Ohio. Ready-mixed paints, paint enamels, thinner, etc. 212,248, Apr. 27, 1926. Republished June 14. Class 16.

K. K. Publications, Inc.: *See*—
Whitman Publishing Company.

K. K. Publications, Incorporated: *See*—
Whitman Publishing Company.

Kal, Leo H., doing business under the name of Kal Craft Co., The, Chicago, Ill. Luminous paint kits. 511,086, June 14; Serial No. 504,981. Class 50.

Kal Craft Co., The: *See*—
Kal, Leo H.

Kansas Mill & Elevator Company, The, Arkansas City, Kans., by Dixie-Portland Flour Co., Memphis, Tenn. Wheat flour. 246,931, Sept. 18, 1928. Republished June 14. Class 46.

Kippy-Kit Company: *See*—
Goeller, Lawrence E.

Klauer Manufacturing Company, Dubuque, Iowa. Gravity roof ventilators. 391,178, Oct. 28, 1941. Republished June 14. Class 34.

Knickerbocker Rubber Company, Chicago, Ill. Shampoo sprays, bath sprays, and faucet strainers. 510,858, June 14; Serial No. 537,487, published Feb. 22, 1949. Class 13.

Kohnstamm, H., & Co., Inc., New York, N. Y. Laundry nets. 275,890, Oct. 7, 1930. Republished June 14. Class 24.

Kosto Co., The, Chicago, Ill. Preparation in powdered form for making desserts and puddings. 257,301, renewed June 4, 1949. O. G. June 14. Class 46.

Krasne Bros., to Bernice Foods, Inc., New York, N. Y. Fruit preserves, canned fruits, olives, etc. 260,300, renewed Aug. 20, 1949. O. G. June 14. Class 46.

Ladoga Canning Company: *See*—
Sears & Nichols Corporation, The.

Lakewood Products Company: *See*—
Grayell, William G.

Lamb Fruit Company, The: *See*—
Winthrop Orchards, Inc., The.

Lanman & Kemp-Barclay & Co.: *See*—
Barclay & Barclay.

Lanman & Kemp-Barclay & Co., Incorporated: *See*—
Barclay, William O., and Reginald G.
Lanman & Kemp, Inc.

Lanman & Kemp, Inc., to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Florida water. 261,539, renewed Sept. 17, 1949. O. G. June 14. Class 6.

Lanman & Kemp, Inc., to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Florida water, cod liver oil, porous plasters, etc. 261,616, renewed Sept. 17, 1949. O. G. June 14. Class 6.

Latex Distributors, Inc., New York, N. Y. Aqueous dispersion of rubber. 442,892, June 14; Serial No. 519,762, published Mar. 15, 1949. Class 1.

La Verne Orange Association, La Verne, Calif. Fresh citrus fruits. 229,624, July 5, 1927. Republished June 14. Class 46.

La Verne Orange Association, La Verne, Calif. Fresh citrus fruits. 229,737, July 5, 1927. Republished June 14. Class 46.

La Verne Orange Association, La Verne, Calif. Fresh citrus fruits. 234,348, Oct. 25, 1927. Republished June 14. Class 46.

Laymon, Herman B., doing business as World's Products Company, Spencer, Ind. Shoe laces. 510,924, June 14; Serial No. 541,555, published Mar. 1, 1949. Class 40.

Leblanc Corporation, The: *See*—
Happy Day Company, Inc.

Leduc, Marcel, Rochester, N. Y., assignor to Consolidated Cosmetics, by Consolidated Cosmetics, Chicago, Ill. Perfume and cologne. 413,864, May 15, 1945. Republished June 14. Class 6.

Lemingwell Rancho Lemon Association, Whittier, Calif. Fresh citrus fruits. 260,320–30, renewed Aug. 20, 1949. O. G. June 14. Class 46.

Lehon Company, The, Chicago, Ill. Asphalt, pitch, and tar. 442,895, June 14; Serial No. 520,715, published Mar. 15, 1949. Class 1.

Leichter, Emil, New York, N. Y. Watches. 510,935, June 14; Serial No. 542,958, published Mar. 8, 1949. Class 27.

Leigh, Douglas, Inc.: *See*—
New York Condensed Milk Company.

Levinsohn Textile Co., New York, N. Y. Tickings, ready-made pillow ticks. 442,876, June 14; Serial No. 490,595, published Feb. 15, 1949. Class 42.

Levy Bros. & Adler Rochester, Inc., Rochester, N. Y. Men's and boys' topcoats and overcoats. 331,222, Dec. 31, 1935. Republished June 14. Class 39.

Lindsay Ripe Olive Company, Lindsay, Calif. Canned olives. 260,234, renewed Aug. 20, 1949. O. G. June 14. Class 46.

Lingerie, Inc., Morganton, N. C. Ladies' panties, night gowns, slips, bandeaux, and pajamas. 511,102, June 14; Serial No. 534,293. Class 39.

Liquid Veneer Corporation: *See*—
Buffalo Specialty Company.
Buffalo Specialty Manufacturing Company.
Fulton Chemical Company.

Longmont Farmers Milling & Elevator Co., The, Longmont, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 57,598, Nov. 13, 1906. Republished June 14. Class 46.

Longmont Farmers Milling & Elevator Company, The, Longmont, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat-flour. 70,733–4, Sept. 29, 1908. Republished June 14. Class 46.

Longmont Farmers Milling & Elevator Company, The, Longmont, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat-flour. 70,797, Oct. 6, 1908. Republished June 14. Class 46.

Los Angeles Brewing Company: *See*—
Los Angeles Brewing Co.

Los Angeles Brewing Co., to Los Angeles Brewing Company, Los Angeles, Calif. Cereal malt beverage of legal alcoholic content and syrups and extracts for preparing the same. 261,301, renewed Sept. 3, 1949. O. G. June 14. Class 46.

Louisville Electric Manufacturing Company, Louisville, Ky. Electrically driven ice cream freezers. 511,036, June 14; Serial No. 557,286, published Mar. 8, 1949. Class 31.

Loveland Milling & Elevator Company, The, Loveland, Colo., by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 110,135, May 2, 1916. Republished June 14. Class 46.

Loyal Packing Co.: *See*—
Republic Food Products Co.

Lumbermens Mutual Casualty Company, Chicago, Ill. Casualty insurance and fidelity and surety bonding. 511,069, June 14; Serial No. 543,504, published Mar. 15, 1949. Class 35.

Lumbermens Mutual Casualty Company, Chicago, Ill. Casualty insurance and fidelity and surety bonding. 511,070, June 14; Serial No. 543,948, published Mar. 15, 1949. Class 35.

Lunkenheimer Company, The, Cincinnati, Ohio. Valves. 442,901, June 14; Serial No. 524,805, published Mar. 1, 1949. Class 13.

Mack, Herbert H., doing business as The Mosby-Mack Equipment Company, Topeka, Kans. Mechanically operated turntables. 510,914, June 14; Serial No. 538,907, published Mar. 1, 1949. Class 23.

Magnet Cove Barium Corporation, Houston, Tex. Chemical goods. 510,848, June 14; Serial No. 528,085, published Mar. 8, 1949. Class 6.

Malt-A-Plenty, Inc., Tulsa, Okla. Chopped meat sandwiches. 511,091, June 14; Serial No. 515,938. Class 46.

Markon Garment Co., Inc., New York, N. Y. Girls' creepers; girls', misses' and women's dresses and ensemble suits, etc. 261,207, renewed Sept. 10, 1949. O. G. June 14. Class 39.

Markwell Manufacturing Co., Inc., New York, N. Y. Crayons. 510,921, June 14; Serial No. 540,690, published Mar. 1, 1949. Class 37.

Marshall Field & Company, by McCoy, Jones & Company, Inc., Chicago, Ill. Hair nets. 52,816, June 20, 1911. Republished June 14. Class 39.

Martin Dennis Company, The, Newark, N. J. Bates for tanners' uses. 74,321, re-renewed July 6, 1949. O. G. June 14. Class 6.

Mawer-Guiden-Annis, Inc., Brooklyn, N. Y. Olives. 510,886, June 14; Serial No. 535,730, published Mar. 1, 1949. Class 46.

Maxcy, L., Inc., Frostproof, Fla. Canned citrus fruits and canned citrus juices. 510,836, June 14; Serial No. 523,406, published Mar. 8, 1949. Class 46.

May Department Stores Company: *See*—
Strouse-Hirshberg Company, The.

May Department Stores Company, The, St. Louis, Mo. Seat covers for automobile seats and the like. 238,036, Jan. 24, 1928. Republished June 14. Class 19.

Mayer, H. J., & Sons Co., Inc., Chicago, Ill. Meat curing compound. 510,884, June 14; Serial No. 535,249, published Mar. 1, 1949. Class 6.

Maytag Company, The, Newton, Iowa. Home freezer cabinets and parts therefor. 510,892, June 14; Serial No. 535,981, published Mar. 8, 1949. Class 31.

McCoy, Jones & Company, Inc.: *See*—
Marshall Field & Company.

McCullough, J. Chas., Seed Company, The, Cincinnati, Ohio. Lawn seed. 510,826, June 14; Serial No. 514,368, published Mar. 15, 1949. Class 1.

Meier, Edward H., Palisades Park, N. J. Adjustable calculating charts for computing mathematical information. 442,904, June 14; Serial No. 523,656. Class 26.

Meisinger Company, New York, N. Y. Dental burrs, dental arms, dental motors, etc. 510,891, June 14; Serial No. 535,859, published Feb. 22, 1949. Class 44.

Menda Company, Altadena, Calif. Cans and bottles. 510,876, June 14; Serial No. 534,304, published Mar. 22, 1949. Class 2.

Mennen Company, The: *See*—
Rothschild, Harold L.

Mercedes Citrus Growers: *See*—
Rio Grande Valley Citrus Growers Association.

Mercury Battery Charger Company, The: *See*—
Mercury Battery Charger & Tester Corp.

Mercury Battery Charger & Tester Corp., assignor to The Mercury Corporation by The Mercury Battery Charger Company, Kansas City, Mo. Combination battery charging and testing apparatus. 389,393, Aug. 5, 1941. Republished June 14. Class 26.

Mercury Corporation, The, assignee: *See*—
Mercury Battery Charger & Tester Corp.

Merrill Company, The, San Francisco, Calif. Simultaneous clarification precipitation process and apparatus. 510,919, June 14; Serial No. 539,973, published Mar. 8, 1949. Class 31.

Merrill Company, The, San Francisco, Calif. Mineral separation process equipment. 510,920, June 14; Serial No. 539,974, published Mar. 8, 1949. Class 31.

Metropolitan Chemical Corp., Albany, N. Y. Shampoo and parasiticide. 422,375, July 16, 1946. Republished June 14. Class 6.

Meunier, J. Clinton, doing business as Trimline Manufacturing Co., Kansas City, Mo., by National Automotive Parts Association, Detroit, Mich. Fabric automobile accessories. 390,018, Sept. 2, 1941. Republished June 14. Class 19.

Meyer, John F., & Sons Milling Co., St. Louis and Springfield, Mo., by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 51,794–5, Apr. 24, 1906. Republished June 14. Class 46.

Meyer, John F., & Sons Milling Co., St. Louis and Springfield, Mo., by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 54,516, June 26, 1906. Republished June 14. Class 46.

Meyer, John F., & Sons Milling Co., St. Louis and Springfield, Mo., by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 57,598, Nov. 13, 1906. Republished June 14. Class 46.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, jewelry clips, etc. 442,883, June 14; Serial No. 506,434, published Mar. 23, 1948. Class 28.

Michelson, Jack, doing business as Bell Indian Trading Post, Albuquerque, N. Mex. Copper costume jewelry. 511,020, June 14; Serial No. 554,390, published Mar. 1, 1949. Class 28.

Miller Brothers Company, Chattanooga, Tenn. Quilt patches. 510,883, June 14; Serial No. 535,064, published Feb. 1, 1949. Class 40.

Miller-Jones Company: *See*—
Delbon, Frank G.

Milligan, John H., San Francisco, Calif. Cleaner can stand. 442,902, June 14; Serial No. 525,011, published Feb. 22, 1949. Class 13.

Model Milling & Elevator Company, The, Greeley, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 78,191, May 31, 1910. Republished June 14. Class 46.

Model Milling & Elevator Company, The, Greeley, by The Colorado Milling & Elevatbr Co., Denver, Colo. Wheat flour. 78,261, May 31, 1910. Republished June 14. Class 46.

Model Milling & Elevator Company, The, Greeley and Denver, Colo., assignor to Colorado Milling & Elevator Co., by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 117,576–7, July 17, 1917. Republished June 14. Class 46.

Model Milling & Elevator Company, The, Greeley and Denver, Colo., assignor to Colorado Milling & Elevator Co., by The Colorado Milling & Elevator Co., Denver, Colo. Self rising wheat flour. 117,578, July 17, 1917. Republished June 14. Class 46.

Modern Homeways: *See*—
Handley, Wilson L.

Monarch Marking System Company, The, Dayton, Ohio. Machines for marking and attaching price tags to merchandise. 510,936, June 14; Serial No. 543,028, published Mar. 8, 1949. Class 3.

Monsanto Chemical Company, St. Louis, Mo. Inorganic phosphates and alumina in the form of particulate solids. 511,037, June 14; Serial No. 557,547, published Feb. 15, 1949. Class 4.

Monsanto Chemical Company, St. Louis, Mo. Synthetic detergent compositions. 511,038, June 14; Serial No. 557,862, published Feb. 22, 1949. Class 4.

Morrall, Abel, Limited, Redditch, England. Bodkins and hand sewing-needles. 58,461, re-renewed Dec. 18, 1948. O. G. June 14. Class 40.

Morris Motors Limited, Cowley, Oxford, England. Automobiles and structural parts thereof. 350,229, Sept. 21, 1937. Republished June 14. Class 19.

Morton Salt Company: *See*—
Mylee Salt Company, Inc.
Worcester Salt Company.

Mosby-Mack Equipmeat Company, The: *See*—
Mack, Herbert H.

Mountain View Fruit Association, Upland, Calif. Fresh citrus fruits. 209,191, Feb. 16, 1926. Republished June 14. Class 46.

Mount Hope Machinery Company, Taunton, Mass. Flexible sheet handling mechanisms. 510,918, June 14; Serial No. 539,892, published Mar. 8, 1949. Class 23.

Munsingwear Corporation, The, by Munsingwear, Inc., Minneapolis, Minn. Underwear, knit or woven, and hosiery. 169,038, June 5, 1923. Republished June 14. Class 39.

Munsingwear, Inc.: *See*—
Munsingwear Corporation, The.

Myers, F. E., & Bro. Company, The, Ashland, Ohio. Fortable power operated sprayers and dusters. 510,833, June 14; Serial No. 522,442, published Mar. 1, 1949. Class 23.

Myers, F. E., & Bro. Company, The, Ashland, Ohio. Portable hand operated sprayers. 510,834, June 14; Serial No. 522,443, published Mar. 1, 1949. Class 23.

Myers, F. E., & Bro. Company, The, Ashland, Ohio. Engine or power take-off operated portable and stationary sprayers. 510,835, June 14; Serial No. 522,444, published Mar. 1, 1949. Class 23.

Myerson Tooth Corporation, Cambridge, Mass. Acrylic denture material. 510,932, June 14; Serial No. 542,778, published Feb. 8, 1949. Class 44.

Myles Salt Company, Inc., New Orleans, La., assignor to Morton Salt Company, Chicago, Ill. Salt. 510,874, June 14; Serial No. 533,914, published Mar. 1, 1949. Class 46.

N. V. Beiersch-Bierbrouwerij "de Amstel," by Amstel Brouwerij N. V., Amsterdam, Netherlands. Beer. 307,419, Oct. 24, 1933. Republished June 14. Class 45.

Nailsteel, Inc., Boston, Mass. Metallic structural members. 442,878, June 14; Serial No. 496,324, published Mar. 1, 1949. Class 12.

Nash-Finch Company, Minneapolis, Minn. Canned fruits, canned vegetables, catsup, etc. 372,331, Oct. 31, 1939. Republished June 14. Class 46.

National Automotive Parts Association: *See*—
Meunier, J. Clinton.

National Broom Manufacturing Company, Pueblo, Colo. Brooms. 199,851, June 16, 1925. Republished June 14. Class 29.

National Congress of Colored Parents and Teachers, Miami, Fla. Organization periodical. 511,032, June 14; Serial No. 556,348, published Mar. 8, 1949. Class 38.

National Department Stores Corporation: *See*—
National Department Stores Inc.

National Department Stores Inc., to National Department Stores Corporation, New York, N. Y. Suits and coats for men and boys, dresses and coats for women, etc. 246,327, renewed Sept. 4, 1948. O. G. June 14. Class 39.

National Geographic Society, Washington, D. C. Periodical publication. 261,240, renewed Sept. 10, 1949. O. G. June 14. Class 38.

National Gypsum Company, Buffalo, N. Y. Dry and ready-mixed paints and varnishes. 259,916, renewed Aug. 13, 1949. O. G. June 14. Class 16.

National Plastic Products Co., The, Odenton, Md. Thin plastic film sold as piece goods. 510,828, June 14; Serial No. 516,032, published Mar. 1, 1949. Class 42.

Nebraska Consolidated Mills Company, doing business as Ravenna Mills, Omaha, Nebr. Wheat flour. 510,866, June 14; Serial No. 533,194, published Mar. 1, 1949. Class 46.

Neenah Paper Company, Neenah, Wis. Bond, ledger, writing, etc., paper, boxed stationery, tablets, etc. 510,933, June 14; Serial No. 542,864, published Mar. 1, 1949. Class 37.

New American Library of World Literature, Inc., The, New York, N. Y. Books. 510,998, June 14; Serial No. 550,817, published Mar. 8, 1949. Class 35.

Newport Rolling Mill Co., Newport, Ky., by International Detroit Corporation, Detroit, Mich. Open-hearth sheets of iron and steel. 74,146, June 22, 1909. Republished June 14. Class 14.

New York Condensed Milk Company, to Douglas Leigh, Inc., New York, N. Y. Condensed milk. 32,258, renewed Dec. 20, 1948. O. G. June 14. Class 46.

Niagara Sprayer Company, Middleport, N. Y., to Food Machinery and Chemical Corporation, San Jose, Calif. Parasiticides. 255,466, renewed Apr. 23, 1949. O. G. June 14. Class 6.

Nicholson File Company, Providence, R. I. Files and rasps. 182,847, renewed Jan. 5, 1948. O. G. June 14. Class 23.

Norris Incorporated, Atlanta, Ga. Candy. 219,556, Oct. 19, 1926. Republished June 14. Class 46.

Norris Incorporated, Atlanta, Ga. Candy. 279,906, Feb. 3, 1931. Republished June 14. Class 46.

Norris Incorporated, Atlanta, Ga. Candies. 430,783, June 24, 1947. Republished June 14. Class 46.

North Brothers Manufacturing Company, Philadelphia, Pa. Screw drivers, drills, screw driver bits and countersinks. 510,904, June 14; Serial No. 537,492, published Mar. 8, 1949. Class 23.

North Bergen Leather Products Co., North Bergen, N. J. Ladies' handbags. 510,960, June 14; Serial No. 547,024, published Jan. 25, 1949. Class 3.

Northern Paper Mills, Green Bay, Wis. Paper towels. 261,341, renewed Sept. 17, 1949. O. G. June 14. Class 37.

Northwestern Fire & Marine Insurance Company, Minneapolis, Minn. Fire and marine insurance. 511,067, June 14; Serial No. 538,440, published Mar. 1, 1949. Class 35.

Northwestern Mutual Fire Association, Seattle, Wash. Fire, extended coverage, windstorm, riot and civil commotion, etc., insurance. 511,065, June 14; Serial No. 529,680, published Feb. 22, 1949. Class 35.

Nourse Oil Company, Kansas City, Kans. Non-freezing fluid. 246,031, Aug. 7, 1928. Republished June 14. Class 6.

Nutrition Corporation of America, Baltimore, Md. Sweetened preparation in tablet form. 442,897, June 14; Serial No. 523,795, published Mar. 8, 1949. Class 6.

Nutrition Research Laboratories, Chicago, Ill. Pharmaceutical product. 511,048, June 14; Serial No. 559,534, published Mar. 8, 1949. Class 6.

Nutrition Research Laboratories, Chicago, Ill. Pharmaceutical product. 511,049, June 14; Serial No. 559,535, published Mar. 15, 1949. Class 6.

Oakes & Company, Chicago, Ill. Electrically operated oil filters; water softeners; milk coolers. 442,903, June 14; Serial No. 525,392, published Mar. 8, 1949. Class 31.

Oldroyd, Winifred L., Milford, Conn. Fashion figure drawing pads. 511,087, June 14; Serial No. 506,954. Class 37.

Oliver-Finnie Co.: *See*—
Oliver-Finnie Grocer Company, The.

Oliver-Finnie Grocer Company, The, to Oliver-Finnie Co., Memphis, Tenn. Roasted coffee. 33,033, re-renewed June 6, 1949. O. G. June 14. Class 46.

Omega Chemical Company, The, New York, N. Y., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Remedy for skin diseases. 75,626, re-renewed Oct. 26, 1949. O. G. June 14. Class 6.

O'Neal, Holland, Milling Co., Mount Vernon, Mo., by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 167,140, Apr. 24, 1923. Republished June 14. Class 46.

Onondaga Silk Company, Inc., New York, N. Y. Silk fabrics in the piece. 510,922, June 14; Serial No. 541,171, published Mar. 1, 1949. Class 42.

Osborn, Carl E., by Patsy's Candies, Inc., Colorado Springs, Colo. Candied pop corn. 205,915, Nov. 17, 1925. Republished June 14. Class 46.

Ox Fibre Brush Company, Inc., Frederick, Md. Brushes. 510,951, June 14; Serial No. 545,761, published Jan. 11, 1949. Class 29.

Pacific Mills, New York, N. Y., and Boston, Mass. Sheets and pillow cases. 510,978, June 14; Serial No. 547,570, published Mar. 1, 1949. Class 42.

Pan-Am Foods, Inc., Brownsville, Tex. Quick frozen fresh shelled blackeye peas and canned fruits and vegetables, etc. 510,927, June 14; Serial No. 541,955, published Mar. 1, 1949. Class 46.

Panther Oil & Grease Co., Fort Worth, Tex. Sales promotional publications. 510,999, June 14; Serial No. 551,306, published Mar. 8, 1949. Class 38.

Paragon Spring Company, Chicago, Ill. Springs, wire shapes, etc. 510,869, June 14; Serial No. 533,604, published Mar. 1, 1949. Class 13.

Patsy's Candies, Inc.: *See*—
Osborn, Carl E.

Patsy's Candies, Inc., Colorado Springs, Colo. Candy, candied pop corn, buttered pop corn, etc. 247,115, Sept. 18, 1928. Republished June 14. Class 46.

Paxton-Mitchell Company, Omaha, Nebr. Finished centrifugal castings, etc. 442,869, June 14; Serial No. 514,376, published Mar. 1, 1949. Class 23.

Pee Dee Bottling Company, Wadesboro, N. C. Maltless, nonalcoholic, carbonated beverages and ingredients for making the same. 252,536, Feb. 12, 1929. Republished June 14. Class 45.

Peerless Chain Company, Winona, Minn. Chain repair links. 510,870, June 14; Serial No. 533,608, published Mar. 1, 1949. Class 13.

Peerless Chain Company, Winona, Minn. Chains. 510,871, June 14; Serial No. 533,611, published Mar. 1, 1949. Class 13.

Penn Electric Switch Co., Goshen, Ind. Thermostats. 328,322, Sept. 24, 1935. Republished June 14. Class 26.

Penn Electric Switch Co., Goshen, Ind. Control clocks. 354,905, Mar. 1, 1938. Republished June 14. Class 26.

Penn Electric Switch Co., Goshen, Ind. Electric damper motors. 376,543, Mar. 5, 1940. Republished June 14. Class 21.

Pennsylvania Flexible Metallic Tubing Co., Philadelphia, Pa. Flexible metallic tubing. 80,870, Feb. 7, 1911. Republished June 14. Class 35.

Pennsylvania Flexible Metallic Tubing Co., Philadelphia, Pa. Metal hose. 87,919, Aug. 13, 1912. Republished June 14. Class 35.

Peoples Drug Stores, Inc., doing business as The Barnard Co., by Peoples Drug Stores, Inc., Washington, D. C. Antiseptic solution. 293,621, May 3, 1932. Republished June 14. Class 6.

Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods. 511,033, June 14; Serial No. 556,470, published Feb. 8, 1949. Class 42.

Permo Incorporated, Chicago, Ill. Phonograph needles. 511,047, June 14; Serial No. 559,431, published Mar. 16, 1949. Class 36.

Personal Products Corporation: *See*—
Personal Products Corporation, The.

Personal Products Corporation, The, New Brunswick, by Personal Products Corporation, North Brunswick Township, N. J. Tampons. 407,150, May 23, 1944. Republished June 14. Class 44.

Personal Products Corporation, The, Milltown, by Personal Products Corporation, North Brunswick Township, N. J. Small pads of cotton used primarily for cleansing. 411,109, Jan. 2, 1945. Republished June 14. Class 29.

Peters Cartridge Company, The, Cincinnati, Ohio, to Remington Arms Company, Inc., Bridgeport, Conn. Shells, cartridges, bullets, etc. 33,053, re-renewed June 6, 1949. O. G. June 14. Class 9.

Petti Products Company: *See*—
Pettit, Frank.

Pettit, Frank, doing business as Petti-Products, Union, N. J. Holders for babies' nursing bottles. 510,910, June 14; Serial No. 538,037, published Feb. 22, 1949. Class 44.

Pfaffman Company, The: *See*—
Pfaffman Egg Noodle Company, The.

Pfaffman Egg Noodle Company, The, by The Pfaffman Egg Noodle Company, Cleveland, Ohio. Alimentary paste products. 240,310, Nov. 13, 1928. Republished June 14. Class 46.

Pfaffman Egg Noodle Company, The, by The Pfaffman Company, Cleveland, Ohio. Alimentary paste products. 269,404, Apr. 5, 1930. Republished June 14. Class 46.

Philadelphia Quarts Company, Philadelphia, Pa. Cleaning compound. 510,947, June 14; Serial No. 544,653, published May 25, 1948. Class 4.

Philco Corporation: *See*—
Automobile Radio Corporation.

Phillfuels Company, by Phillips Petroleum Company, Bartlesville, Okla. Liquefied industrial gases. 249,061, Nov. 6, 1928. Republished June 14. Class 6.

Phillfuels Company, by Phillips Petroleum Company, Bartlesville, Okla. Concentrated natural gas. 249,062, Nov. 6, 1928. Republished June 14. Class 6.

Phillips-Jones Corporation, New York, N. Y. Men's underwear and pajamas. 257,216, renewed June 4, 1949. O. G. June 14. Class 39.

Phillips' Patents Limited, London, England. India rubber plates or pads. 237,533, Jan. 10, 1928. Republished June 14. Class 30.

Phillips Petroleum Company: *See*—
Philfuels Company.

Pickles, William, & Company Limited, Manchester, England. Piece goods. 510,976, June 14; Serial No. 547,682, published Mar. 1, 1949. Class 42.

Pilot Distributing Company, Battle Creek, Mich. Filing spindles. 510,949, June 14; Serial No. 545,532, published Feb. 8, 1949. Class 37.

Piqua Hosiery Co., The, to The Atlas Underwear Company, Piqua, Ohio. Bathing suits. 261,749, Sept. 24, 1929. New certificate. O. G. June 14. Class 39.

Plottel Brothers, by Plottel Brothers, Inc., New York, N. Y. Raincoats, sport suits and coats, suits, etc. 318,319, Oct. 23, 1934. Republished June 14. Class 39.

Plottel Brothers, by Plottel Brothers, Inc., New York, N. Y. Raincoats, 339,261, Sept. 29, 1936. Republished June 14. Class 39.

Plottel Brothers, by Plottel Brothers, Inc., New York, N. Y. Waterproof, processed, rubberized, and showerproof raincoats, sport coats, sailing suits, etc. 356,245, Apr. 19, 1938. Republished June 14. Class 39.

Plottel Brothers, Inc.: *See*—
Plottel Brothers.

Pocatello Flour Mills Company, The, Pocatello, Idaho, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 203,967, Sept. 29, 1925. Republished June 14. Class 46.

Polan, Katz & Company, Inc., Baltimore, Md. Umbrellas. 510,958, June 14; Serial No. 546,153, published Mar. 1, 1949. Class 41.

Polk, J. T., Co.: *See*—
Sears & Nichols Corporation, The.

Pollack, Jacob E., Dundalk, Md. Toothbrushes. 511,095, June 14; Serial No. 520,298. Class 29.

Polunsky, Lena: *See*—
Alaska Fur Company.

Pommier, Henry, Inc., New York, N. Y. Jewelry. 510,954, June 14; Serial No. 546,032, published Mar. 8, 1949. Class 28.

Pomona Fruit Growers Exchange, Pomona, Calif. Fresh citrus fruits. 257,465, June 11, 1929. Republished June 14. Class 46.

Popsemah Mills, Taftville, Conn. Rayon piece goods. 510,856, June 14; Serial No. 530,956, published Feb. 8, 1949. Class 42.

Porter, N., Saddle and Harness Company, Phoenix, Ariz. Saddles, saddle trees, and saddle tree horns. 511,017, June 14; Serial No. 553,510, published Mar. 8, 1949. Class 3.

Prestile Manufacturing Company, Chicago, Ill. Decorative hardboard panels. 442,861, June 14; Serial No. 499,570, published Mar. 1, 1949. Class 12.

Prismo Safety Corporation: *See*—
Wald, John R., Company.

Procter & Gamble Company, The, Cincinnati, Ohio. Red oil. 231,897, Aug. 30, 1927. Republished June 14. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Stearic Acid. 231,898, Aug. 30, 1927. Republished June 14. Class 6.

Public Service Interstate Transportation Company, Newark, N. J. Services in transporting passengers by motor bus. 511,072, June 14; Serial No. 544,461, published Mar. 15, 1949. Class 55.

Public Service Interstate Transportation Company, Newark, N. J. Transporting passengers by motor bus. 511,073, June 14; Serial No. 544,462, published Mar. 8, 1949. Class 55.

Pure Oil Company, The, Chicago, Ill. Hydrocarbon motor-fuel oils and lubricating oils and greases. 259,036, renewed July 23, 1949. O. G. June 14. Class 15.

Pyramid Rubber Company, The: *See*—
Pyramid Rubber Specialty Company, The.

Pyramid Rubber Specialty Company, The, by The Pyramid Rubber Company, Ravenna, Ohio. Rubber nursing nipples. 198,838, May 12, 1925. Republished June 14. Class 44.

Quaker Manufacturing Company, Chicago, Ill. Oil burning space heaters, ranges, and conversion burners. 439,322, June 15, 1948. Republished June 14. Class 34.

Quvas Products Inc., West Orange, N. J. Electrical measuring instruments. 442,885, June 14; Serial No. 510,402, published Feb. 8, 1949. Class 26.

Ralston Purina Company, St. Louis, Mo. House-organ magazine. 511,011, June 14; Serial No. 552,710, published Mar. 1, 1949. Class 38.

Rand Rubber Company, Inc., Brooklyn, N. Y. Dress shields. 510,950, June 14; Serial No. 545,645, published Mar. 1, 1949. Class 40.

Rapid City Packing Company, by Black Hills Packing Co., Rapid City, S. Dak. Smoked meats, cooked meats, smoked and fresh, fresh meats, etc. 249,873, Nov. 20, 1928. Republished June 14. Class 46.

Ravenna Mills: *See*—
Nebraska Consolidated Mills Company.

Raybrand Textile Company: *See*—
Brenner, Robert.

Redlands Foothill Groves, Redlands, Calif. Fresh citrus fruits. 302,675, Apr. 25, 1933. Republished June 14. Class 46.

Reed, C. A., Company, Williamsport, Pa. Crepe paper. 510,850–1, June 14; Serial No. 529,297, published Feb. 15, 1949. Class 37.

Register and Tribune Company, The, Des Moines, Iowa. Title for newspaper items. 214,145, June 15, 1926. Republished June 14. Class 38.

Register and Tribune Company, The, Des Moines, Iowa. Periodical. 217,491, Aug. 31, 1926. Republished June 14. Class 38.

Register and Tribune Company, The, Des Moines, Iowa. Picture section of a newspaper. 344,017, Mar. 9, 1937. Republished June 14. Class 38.

Regnier, T. J., Incorporated, doing business as Weeks Incorporated, Springfield, Mass. Trunks, handbags, suitcases, etc. 511,003, June 14; Serial No. 552,007, published Jan. 18, 1949. Class 3.

Reis, Carl A.: *See*—
Green River Fuel Company, Incorporated.

Remington Arms Company, Inc.: *See*—
Peters Cartridge Company, The.

Republic Food Products Co., also doing business under the name Loyal Packing Co., Chicago, Ill. Canned foods for dogs, cats, and other carnivorous animals. 511,100, June 14; Serial No. 530,765. Class 46.

Richardson & Robbins Co., Dover, Del. Canned, preserved, and pickled meats, poultry, game, etc. 71,412, Nov. 24, 1908. Republished June 14. Class 46.

Rio Grande Valley Citrus Growers Association, by Mercedes Citrus Growers, Mercedes, Tex. Fresh citrus fruits. 226,109–10, Mar. 29, 1927. Republished June 14. Class 46.

Rit Products Corporation, Chicago, Ill., to Rit Products Corporation, Indianapolis, Ind. Dyes. 261,019, renewed Sept. 3, 1949. O. G. June 14. Class 6.

Rockwell Manufacturing Company, Pittsburgh, Pa. Saw gages, fluid meters, flow provers, etc. 511,103, June 14; Serial No. 534,355. Class 26.

Rockwood & Co., Brooklyn, N. Y. Baking chocolate. 442,873, June 14; Serial No. 470,584, published Mar. 1, 1949. Class 46.

Roddenbery, W. B., Company, Inc.: *See*—
Roddenbery, Walter B.

Roddenbery, Walter B., by W. B. Roddenbery Company, Inc., Cairo, Ga. Food syrups. 205,256, Nov. 3, 1925. Republished June 14. Class 46.

Rogers, Lunt & Bowlen Company, Greenfield, Mass. Sterling silver flatware. 510,946, June 14; Serial No. 544,113, published Mar. 15, 1949. Class 28.

Rogers, Lunt & Bowlen Company, Greenfield, Mass. Knives, forks, spoons, etc. 510,964, June 14; Serial No. 546,432, published Mar. 15, 1949. Class 28.

Rose, L., & Co., Limited: *See*—
Rose, L., & Company, Limited.

Rose, L., & Company, Limited, London, England, and Leith, Scotland, to L. Rose & Co., Limited, St. Albans, England. Lime-juice. 32,982, re-renewed May 30, 1949. O. G. June 14. Class 46.

Rosenkranse, William, doing business as the Zo-Tite Products Co., Ozone Park, N. Y. Preparation consisting of a combination of fine ground metals and chemical powdere. 511,096, June 14; Serial No. 522,750. Class 6.

Ross, A. H., and Sons Co., Chicago, Ill. Leather. 510,984–5, June 14; Serial No. 549,174–5, published Mar. 15, 1949. Class 1.

Ross-Meehan Foundries, Chattanooga, Tenn. Acid pumps and locomotive pilots. 510,923, June 14; Serial No. 541,465, published Mar. 1, 1949. Class 23.

Roter Pickle and Canning Company, to Cobb & Pullen, Dallas, Tex. Hot relish, sweet pickles, prepared mustard, etc. 254,448, renewed Mar. 26, 1949. O. G. June 14. Class 46.

Rothschild, Harold L., doing business as Coronado Manufacturing Company, St. Paul, Minn., by The Mennen Company, Newark, N. J. Cosmetics for men and women. 333,436, Jan. 11, 1938. Republished June 14. Class 6.

Roux Distributing Co. Inc., New York, N. Y. Brushes. 510,980, June 14; Serial No. 547,942, published Jan. 11, 1949. Class 29.

Safety Gas Main Stopper Co.: *See*—
Goodman, Elizabeth A.

Sahr Plan, Inc., New York, N. Y. Rayon, cotton and wool fabrics in the greige. 511,088, June 14; Serial No. 511,701. Class 42.

St. Anthony Milling & Elevator Company, The, St. Anthony, Idaho, and Denver, Colo., by The Colorado Milling and Elevator Co., Denver, Colo. Wheat flour. 111,291, July 4, 1916. Republished June 14. Class 46.

Salgado y Compania, S. A., Union Commercial de Aceites, Madrid, Sevilla, and Vilches, Spain. Edible oils of all kinds. 250,871, renewed Dec. 18, 1948. O. G. June 14. Class 46.

Salinas Marketing Cooperative, Salinas, Calif. Fresh vegetables. 510,880, June 14; Serial No. 534,676, published Mar. 1, 1949. Class 46.

Sanborn, George W., & Son, Astoria, Oreg., by P. E. Harris & Co., Seattle, Wash. Canned salmon. 93,118, Aug. 19, 1913. Republished June 14. Class 46.

Saunders, Joseph B., doing business as Triangle Refineries, by Triangle Refineries, Inc., Houston, Tex. Petroleum products. 438,580, May 4, 1948. Republished June 14. Class 15.

Scully's Imperial Importing Co., Brooklyn, N. Y. Canned vegetables, tomato paste, and olive oil. 511,097, June 14; Serial No. 523,621. Class 46.

Schaeffer, Charles P., doing business as Schaeffer & Company, Reading, Pa. Shoe laces. 511,050, June 14; Serial No. 560,056, published Jan. 25, 1949. Class 40.

Schaeffer & Company: *See*—
Schaeffer, Charles P.

Schenley Laboratories, Inc.: *See*—
Bristol Laboratories Inc.

Schicht, A. G., Georg, Aussig, by Severoceske Tukove Zavody (Drive Jiri Schicht), Narodni Podnik, Usti nad Labem, Czechoslovakia. Cold cream, vanishing cream, shampoo, etc. 239,723, Mar. 13, 1928. Republished June 14. Class 6.

Schicht, A. G., Georg, Aussig, by Severoceske Tukove Zavody (Drive Jiri Schicht), Narodni Podnik, Usti nad Labem, Czechoslovakia. Soap, shaving soap, and shaving cream. 242,199, May 15, 1928. Republished June 14. Class 4.

Schiff, Ann R., Columbus, Ohio. Eyeglass case or holder. 511,110, June 14; Serial No. 547,037. Class 26.

Schless-Hardwood Food Co. Incorporated, New York, N. Y. Precious and semi-precious cut stones. 440,329, Aug. 24, 1948. Republished June 14. Class 28.

Schneider, Cale J., Toledo, Ohio. Utensils for partitioning various foods. 510,840, June 14; Serial No. 527,076, published Mar. 1, 1949. Class 23.

Scholl Mfg. Co., Inc., The: *See*—
Scholl Manufacturing Company, Inc., The.

Scholl Manufacturing Company, Inc., The, by The Scholl Mfg. Co., Inc., Chicago, Ill. Instep-arch supports. 117,207, June 19, 1917. Republished June 14. Class 44.

Schulte, D. A., Inc., New York, N. Y. Wallets. 511,022, June 14; Serial No. 554,720, published Feb. 1, 1949. Class 3.

Schwab, Armand, & Co., Inc., New York, N. Y. Millinery braids. 511,044, June 14; Serial No. 558,742, published Mar. 8, 1949. Class 39.

Schwab, H. W., Textile Corp., New York, N. Y. Woolen piece goods. 511,057, June 14; Serial No. 563,011, published Mar. 1, 1949. Class 42.

Schwab, H. W., Textile Corp., New York, N. Y. Cotton drills and twills in the piece. 511,058, June 14; Serial No. 563,012, published Mar. 1, 1949. Class 42.

Schwab, H. W., Textile Corp., New York, N. Y. Uniform fabrics. 511,059, June 14; Serial No. 563,013, published Mar. 1, 1949. Class 42.

Schwartz Manufacturing Company, Two Rivers, Wis. Milk filter discs, bags, flats, squares and tubes, etc. 511,007, June 14; Serial No. 552,274, published Mar. 8, 1949. Class 31.

Schwarz, Preston S., New York, N. Y. Cotton and rayon fabrics. 511,054, June 14; Serial No. 561,775, published Feb. 22, 1949. Class 42.

Scovill Manufacturing Company, Racine, Wis., and Waterbury, Conn., ice cream dishers. 510,937, June 14; Serial No. 543,363, published Mar. 8, 1949. Class 23.

Sears & Nichols Corporation, The, doing business as J. T. Polk Co., Chillicothe, Ohio, to Ladoga Canning Company, Indianapolis, Ind. Canned vegetables. 260,138, renewed Aug. 20, 1949. O. G. June 14. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Paper patterns for making clothing. 511,000, June 14; Serial No. 551,405, published Mar. 1, 1949. Class 26.

Seidman & Seidman, New York, N. Y. General practice of certified public accountancy. 511,077, June 14; Serial No. 555,966, published Mar. 1, 1949. Class 55.

Semler, R. B., Inc., New Canaan, Conn. Shampoo. 510,940, June 14; Serial No. 543,531, published Mar. 15, 1949. Class 6.

Semler, R. B., Inc., New Canaan, Conn. Hair tonic and shampoo. 510,941, June 14; Serial No. 543,534, published Mar. 15, 1949. Class 6.

Semler, R. B., Inc., New Canaan, Conn. Hair tonic. 510,942, June 14; Serial No. 543,536, published Mar. 15, 1949. Class 6.

Service Industries, Philadelphia, Pa. Chemical composition. 511,039, June 14; Serial No. 557,872, published Mar. 8, 1949. Class 6.

Severoceske Tukove Zavody (Drive Jiri Schicht), Narodni Podnik: *See*—
Schicht, Georg, A. G.

Sherer-Gillett Company, Marshall, Mich. Display counters. 124,886, Mar. 18, 1919. Republished June 14. Class 32.

Sherwin-Williams Company, The, Cleveland, Ohio. Printing inks, lithographing inks; and pigments, dyes, etc. 510,867, June 14; Serial No. 533,508, published Aug. 10, 1948. Class 11.

Sherwin-Williams Company, The, Cleveland, Ohio. Brushes, wiping cloths, hand-propelled floor polishes, etc. 510,868, June 14; Serial No. 533,515, published Aug. 3, 1948. Class 29.

Shipping Digest, Inc., New York, N. Y. Periodical. 511,024, June 14; Serial No. 555,019, published Mar. 8, 1949. Class 38.

Siegel, A. L., Co., Inc., New York, N. Y. Closet accessories. 510,948, June 14; Serial No. 545,398, published Mar. 8, 1949. Class 2.

Silverman, Alexander, Pittsburgh, Pa. Nail files. 510,885, June 14; Serial No. 535,266, published Feb. 22, 1949. Class 44.

Sinclair, H. M., Jr., trustee for the partnership, The Sinclair Manufacturing Company, Toledo, Ohio. Bleaching and disinfecting solutions. 510,830, June 14; Serial No. 526,984, published Feb. 22, 1949. Class 6.

Sinclair Manufacturing Company, The: *See*—
Sinclair, H. M., Jr.

Sitroux, Inc., New York, N. Y. Hair nets. 425,835, Dec. 3, 1946. Republished June 14. Class 39.

Sitroux, Inc., New York, N. Y. Facial tissues. 435,956, Jan. 20, 1948. Republished June 14. Class 37.

Societe Anonyme de la Benedictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fecamp, Fecamp, France. Sauce for cooking and flavoring. 259,082, renewed July 23, 1949. O. G. June 14. Class 46.

Societe Anonyme de la Benedictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fecamp, Fecamp, France. Sauce for cooking and flavoring. 259,338–9, renewed July 30, 1949. O. G. June 14. Class 46.

Societe Anonyme de la Benedictine, Distillerie de la Liqueur de l'Ancienne Abbaye de Fecamp, Fecamp, France. Sauce for cooking and flavoring. 261,113, renewed Sept. 3, 1949. O. G. June 14. Class 46.

Societe Anonyme Mido, Bienne, Switzerland. Watches. 442,879, June 14; watch casings and parts of watches. 442,879, June 14; Serial No. 495,534, published Mar. 8, 1949. Class 27.

Spencer, George, Moulton & Company, Limited, London, England. India-rubber buffing and draw springs, and bearing blocks. 265,540, Dec. 31, 1929. Republished June 14. Class 19.

Spencer, George, Moulton & Company, Limited, London, England. India-rubber buffing and draw springs, and bearing springs, etc. 278,383, Dec. 16, 1930. Republished June 14. Class 19.

Spencer, George, Moulton & Company, Limited, London, England. India-rubber balls for games, and tennis balls. 305,271, Aug. 8, 1933. Republished June 14. Class 22.

Spurgeon Brothers Bakery, Inc., Knoxville, Tenn. Cookies. 511,109, June 14; Serial No. 544,786. Class 46.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Insecticides, disinfectants, and deodorants. 255,171, renewed Apr. 16, 1949. O. G. June 14. Class 6.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Hand and portable sprayers, pumps, squirt guns, atomisers, etc. 255,394, renewed Apr. 23, 1949. O. G. June 14. Class 23.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Hand and portable sprayers, pumps, squirt guns, atomisers, etc. 255,640, renewed Apr. 30, 1949. O. G. June 14. Class 23.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Nose and throat spray. 257,013–14, renewed May 28, 1949. O. G. June 14. Class 6.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Nose and throat spray. 257,538–9, renewed June 11, 1949. O. G. June 14. Class 6.

Standard Metals Corporation, North Attleboro, Mass. Brazing and soldering flux. 511,015, June 14; Serial No. 553,139, published Mar. 8, 1949. Class 6.

Standard Playing Card Co., Chicago, Ill., to The United States Playing Card Company, Cincinnati, Ohio. Playing cards. 260,837, renewed Aug. 27, 1949. O. G. June 14. Class 22.

Starr Piano Company, Inc., The, Richmond, Ind. Mechanically grooved records. 510,961, June 14; Serial No. 546,332, published Mar. 15, 1949. Class 36.

Stein, A., & Company, Chicago, Ill. Grips in the nature of buckles. 511,013, June 14; Serial No. 552,893, published Mar. 1, 1949. Class 40.

Stein, M., Cosmetic Co., The, New York, N. Y. Pharmaceutical preparations and toilet goods. 350,370, Sept. 28, 1937. Republished June 14. Class 6.

Stern & Saalberg Company, The, New York, N. Y., to The Sweets Company of America, Incorporated, Hoboken, N. J. Chocolate candy. 75,218, re-renewed Sept. 14, 1949. O. G. June 14. Class 46.

Stokely-Van Camp, Inc., Indianapolis, Ind. Frozen apricots, peaches, brussels sprouts, and cauliflower. 442,874, June 14; Serial No. 484,602, published Mar. 1, 1949. Class 46.

Stork Company, The, Boston, Mass., by Armour and Company, Chicago, Ill. Soap. 88,531, Sept. 24, 1912. Republished June 14. Class 4.

Stork Pins Company, New York, N. Y. Safety pins. 511,043, June 14; Serial No. 558,324, published Mar. 8, 1949. Class 40.

Strouse-Hirshberg Company, The, Youngstown, Ohio, by The May Department Stores Company, St. Louis, Mo. Women's shoes. 345,010, Apr. 13, 1937. Republished June 14. Class 39.

Sugardale Provision Company, The, Canton, Ohio. Lard, luncheon meat, chopped pressed boneless ham, etc. 438,152, Apr. 13, 1948. Republished June 14. Class 46.

Sunbeam Corporation: *See*—
Chicago Flexible Shaft Company.

Superior Brands, Inc.: *See*—
Superior Brands Inc.

Superior Brands Inc., by Superior Brands, Inc., New York, N. Y. Processed flours. 365,613, Mar. 14, 1939. Republished June 14. Class 46.

Swank, Inc., Attleboro, Mass. Wallets or billfolds. 510,887, June 14; Serial No. 535,760, published Feb. 22, 1949. Class 3.

Swank, Inc., Attleboro, Mass. Wallets or billfolds. 510,888, June 14; Serial No. 535,769, published Feb. 8, 1949. Class 3.

Swedish Gage Company of America, Detroit, Mich. Certain precision instruments. 511,010, June 14; Serial No. 552,344, published Mar. 8, 1949. Class 26.

Sweets Company of America, Incorporated, The: *See*—
Stern & Saalberg Company, The.

Swigart Paper Company, Chicago, Ill. Sheet papers. 510,893, June 14; Serial No. 530,013, published Mar. 1, 1949. Class 37.

Syco Manufacturing Corporation, Syracuse, N. Y. Variable speed driving units. 510,915, June 14; Serial No. 538,571, published Mar. 1, 1949. Class 23.

Syndicate Store Merchandiser, Inc., New York, N. Y. Trade-journal. 511,112, June 14; Serial No. 558,326. Class 38.

Technical Color and Chemical Works: *See*—
Greenbaum, Harry L.

Technical Color & Chemical Works, Inc.: *See*—
Greenbaum, Harry L.

Technicon Company, The: *See*—
Technicon Co., The.

Technicon Co., The, assignor to The Technicon Company, New York, N. Y. Automatic immersion apparatus. 510,831, June 14; Serial No. 517,931, published Mar. 1, 1949. Class 26.

Telanserphone, assignor to Telanserphone Inc., New York, N. Y. Telephone answering service. 511,064, June 14; Serial No. 527,111, published Mar. 8, 1949. Class 55.

Telanserphone Inc.: *See*—
Telanserphone.

Templeton, James, & Son Limited, Ayrshire, Scotland. Knitting wools. 510,820, June 14; Serial No. 491,685, published Mar. 1, 1949. Class 43.

Tempo Products Company, Cleveland, Ohio, assignee of Tempo Products Company. Powder actuated tools. 510,830, June 14; Serial No. 517,216, published Mar. 8, 1949. Class 23.

Textileather Corporation, Toledo, Ohio. Coated fabric. 250,218, Dec. 4, 1928. Republished June 14. Class 42.

Timely Clothes, Inc., Rochester, N. Y. Men's and young men's suits, top coats, overcoats, sport coats, etc. 440,242, Aug. 17, 1948. Republished June 14. Class 39.

Tinnerman Products, Inc., Cleveland, Ohio. Locking plates for screws and bolts. 510,930, June 14; Serial No. 542,239, published Mar. 1, 1949. Class 13.

Tissue Company, The, Saugerties, N. Y. Crepe paper. 166,942, Apr. 17, 1923. Republished June 14. Class 37.

Tissue Company, The, Saugerties, N. Y. Paper napkins. 196,826, Mar. 31, 1925. Republished June 14. Class 37.

Tissue Company, The, Saugerties, N. Y. Paper napkins and handkerchiefs. 285,296, July 21, 1931. Republished June 14. Class 37.

Tissue Company, The, Saugerties, N. Y. Paper napkins. 409,178, Sept. 19, 1944. Republished June 14. Class 37.

Tissue Company, The, Saugerties, N. Y. Embossed paper napkins. 416,816, Oct. 2, 1945. Republished June 14. Class 37.

Tolerton & Warfield Co., Sioux City, Iowa. Dried sliced beef, breakfast wheat, corn meal, rolled oats, etc. 165,112, Mar. 6, 1923. Republished June 14. Class 46.

Towncliffe, Inc., New York, N. Y. Ladies' and misses' coats, suits, jackets, and skirts. 404,944, Dec. 28, 1943. Republished June 14. Class 39.

Triangle Refineries: *See*—
Saunders, Joseph B.

Triangle Refineries, Inc.: *See*—
Saunders, Joseph B.

Trimline Manufacturing Co.: *See*—
Meunier, J. Clinton.

Twin Falls Milling & Elevator Co., The, Twin Falls, Idaho, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 85,695, Mar. 5, 1912. Republished June 14. Class 46.

Twin Falls Milling & Elevator Co., The, Twin Falls, Idaho, by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 85,778, Mar. 12, 1912. Republished June 14. Class 46.

Twin Falls Milling & Elevator Co., The, Twin Falls, Idaho, and Denver, Colo., by The Colorado Milling & Elevator Co., Denver, Colo. Self-rising wheat flour. 109,621, Apr. 11, 1916. Republished June 14. Class 46.

Ullmann, Bernhard, Co., Inc., Long Island City, N. Y. Art needlework yarns. 511,052, June 14; Serial No. 560,667, published Feb. 8, 1949. Class 43.

Umatilla Fruit Company, The, Umatilla, Fla. Fresh citrus fruits. 226,970, Apr. 26, 1927. Republished June 14. Class 46.

Uncas Manufacturing Company, Providence, R. I. Jewelry. 511,106, June 14; Serial No. 542,668, Class 28.

Uncas Manufacturing Company, Providence, R. I. Jewelry. 511,107–8, June 14; Serial Nos. 542,691–2. Class 28.

United Co-Operatives, Inc., Alliance, Ohio. Hand-operated forks, hoes, rakes, etc. 510,911, June 14; Serial No. 538,052, published Mar. 8, 1949. Class 23.

U. S. Line Company: *See*—
United States Whip Company.

United States Playing Card Company, The: *See*—
Standard Playing Card Co.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 260,836, renewed Aug. 27, 1949. O. G. June 14. Class 22.

United States Rubber Company, New York, N. Y. Wide elastic fabric. 510,832, June 14; Serial No. 522,048, published Feb. 8, 1949. Class 42.

United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 205,247, Nov. 3, 1925. Republished June 14. Class 22.

United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 205,304, Nov. 3, 1925. Republished June 14. Class 22.

United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 210,221, Mar. 9, 1926. Republished June 14. Class 22.

United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 216,585, Aug. 17, 1926. Republished June 14. Class 22.

Utilities Service Company, Allentown, Pa. Pole line hardware. 347,357, June 22, 1937. Republished June 14. Class 13.

Valentin Blatz Brewing Company by Blatz Brewing Company, Milwaukee, Wis. Dried grains. 222,213, Dec. 26, 1926. Republished June 14. Class 46.

Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. 510,845, June 14; Serial No. 527,650, published Feb. 8, 1949. Class 37.

Viscose Company, The, Marcus Hook, Pa., to Courtaulds Limited, London, England. Rayon yarn. 257,739, renewed June 18, 1949. O. G. June 14. Class 43.

Vitaminerals, Inc., Los Angeles, Calif. Analgesic balm, anesthetic ointment, astringent preparation, etc. 510,846, June 14; Serial No. 527,724, published Nov. 23, 1948. Class 6.

Wald, John R., Company by Prismo Safety Corporation, Huntingdon, Pa. Materials sold as a unit. 371,240, Sept. 19, 1939. Republished June 14. Class 50.

Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Slide fasteners. 297,996, Oct. 11, 1932. Republished June 14. Class 13.

Wall, Streeter & Doyle Co.; by Wall-Streeter Shoe Co., North Adams, Mass. Shoes. 180,052, Feb. 19, 1924. Republished June 14. Class 39.

Wall-Streeter Shoe Co.: *See*—
Wall, Streeter & Doyle Co.

Warner, William R., & Co., Inc., New York, N. Y. Penicillin preparation. 511,006, June 14; Serial No. 552,193, published Feb. 22, 1949. Class 6.

Warner, William R., & Co., Inc., New York, N. Y. Penicillin preparations for use as antibiotics. 511,041, June 14; Serial No. 558,262, published Mar. 1, 1949. Class 6.

Weber Showcase & Fixture Co., Inc., Los Angeles, Calif. Refrigerator showcases, carbonated and other beverage dispensing fountains, etc. 510,861, June 14; Serial No. 531,972, published Mar. 8, 1949. Class 31.

Weeks Incorporated: *See*—
Regnier, T. J., Incorporated.

Welcome Wagon Service Company, Inc., Memphis, Tenn., and New York, N. Y. Advertising service. 511,066, June 14; Serial No. 538,326, published Feb. 8, 1949. Class 55.

Well Equipment Mfg. Corp., Houston, Tex. Pipe unions, thread protectors, clamp handles, etc. 442,893, June 14; Serial No. 520,075, published Mar. 1, 1949. Class 13.

Wells Lamont Corporation, Chicago, Ill. Work gloves. 436,862, Mar. 2, 1948. Republished June 14. Class 39.

Western Blower Co., by West Wind Corporation, Seattle, Wash. Ventilating fans. 238,542, Feb. 7, 1928. Republished June 14. Class 34.

Western Gypsum Company, Salt Lake City, Utah. Fibred plaster, non-fibred plaster, slow gauging plaster, and Keene's cement. 511,099, June 14; Serial No. 530,608. Class 12.

Western States Wholesale Music Corporation, Los Angeles, Calif. Brass, reed, and stringed musical instruments. 347,098, June 15, 1937. Republished June 14. Class 36.

Western States Wholesale Music Corporation, Los Angeles, Calif. Guitar steels. 351,011, Oct. 12, 1937. Republished June 14. Class 36.

West India Oil Company, Bayonne, N. J., to Esso Standard Oil Company, New York, N. Y. Illuminating oil. 254,842, renewed Apr. 2, 1949. O. G. June 14. Class 15.

West Ontario Citrus Association, by West Ontario Citrus Association (1937), Ontario, Calif. Fresh citrus fruits. 232,004, Aug. 30, 1927. Republished June 14. Class 46.

West Ontario Citrus Association (1937): *See*—
West Ontario Citrus Association.

West Wind Corporation: *See*—
Western Blower Co.

Weyenberg Shoe Manufacturing Company, Milwaukee, Wis. Leather shoes. 260,274, renewed Aug. 20, 1949. O. G. June 14. Class 39.

White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper, paper towels, and paper napkins. 249,780–1, Nov. 20, 1928. Republished June 14. Class 37.

Whiting-Adams Company, Inc., Boston, Mass. Brushes. 510,821, June 14; Serial No. 506,409, published Feb. 1, 1949. Class 29.

Whitman Publishing Company, Racine, Wis., assignor to K. K. Publications, Inc., by K. K. Publications, Incorporated, Poughkeepsie, N. Y. Periodical publication. 384,009, Jan. 7, 1941. Republished June 14. Class 38.

Whittier Citrus Association, by Whittier Citrus Association (1921), Whittier, Calif. Fresh citrus fruits. 126,807–8, Sept. 30, 1919. Republished June 14. Class 46.

Whittier Citrus Association, by Whittier Citrus Association (1921), Whittier, Calif. Fresh citrus fruits. 128,577, Jan. 6, 1920. Republished June 14. Class 46.

Whittier Citrus Association, by Whittier Citrus Association (1921), Whittier, Calif. Fresh citrus fruits. 145,489, Aug. 2, 1921. Republished June 14. Class 46.

Whittier Citrus Association (1921): *See*—
Whittier Citrus Association.

Wile, M., & Co., by M. Wile & Company, Inc., Buffalo, N. Y. Men's, youths', boys', and children's cloth outer suits and overcoats. 107,032, Nov. 9, 1915. Republished June 14. Class 39.

Wile, M., & Co., M. Wile & Company, Inc., Buffalo, N. Y. Men's, youths', boys', and children's cloth outer suits, parts thereof, and overcoats. 113,466, Oct. 17, 1916. Republished June 14. Class 39.

Wile, M., & Company, Inc.: *See*—
Wile, M., & Co.

Willard Storage Battery Company, Cleveland, Ohio. Storage batteries. 254,979, renewed Apr. 2, 1949. O. G. June 14. Class 21.

Williams, C. K., & Co., Easton, Pa., assignor to C. K. Williams & Co., East St. Louis, Ill. Red iron oxide. 510,974, June 14; Serial No. 547,595, published Mar. 8, 1949. Class 6.

Wilson Products, Inc., Reading, Pa. Ophthalmic mountings and parts thereof. 442,880, June 14; Serial No. 498,562, published Jan. 25, 1949. Class 26.

Wilson Milling & Elevator Co., The, Wilson, Kans., and Denver, Colo., by The Colorado Milling & Elevator Co., Denver, Colo. Wheat flour. 109,623–4, Apr. 11, 1916. Republished June 14. Class 46.

Wing Coffee Company, assignee: *See*—
Wing Hing Company.

Wing Coffee Co., Ltd.: *See*—
Wing Hing Company.

Wing Hing Company, assignor to Wing Coffee Company, by Wing Coffee Co., Ltd., Honolulu, Territory of Hawaii. Coffee, tea, and fruit, etc. 252,942, Feb. 19, 1929. Republished June 14. Class 46.

Winn, Frank W., & Son, Inc., Philadelphia, Pa. Sash cord, awning cord, and clothesLines. 511,042, June 14; Serial No. 558,264, published Feb. 1, 1949. Class 7.

Winthrop Orchards, Inc., The, Philadelphia, Pa., by The Lamb Fruit Company, Yakima, Wash. Boxed apples. 136,990, Nov. 9, 1920. Republished June 14. Class 46.

Witcombe, McGeachin & Co., by Witcombe, McGeachin & Co. Inc., New York, N. Y. Cotton, cotton and silk, and cotton and artificial-silk fabrics in the piece, etc. 160,745, Oct. 24, 1922. Republished June 14. Class 42.

Witcombe, McGeachin & Co. Inc.: *See*—
Witcombe, McGeachin & Co.

Wood, E. B., trading as Wood Fruit Co., Atwater, Calif. Fresh deciduous fruits. 435,721, Jan. 6, 1948. Republished June 14. Class 46.

Wood Fruit Co.: *See*—
Wood, E. B.

Woods, Mae, doing business as The May Woods Co., Omaha, Nebr. Flaccid preparation. 511,051, June 14; Serial No. 560,077, published Mar. 8, 1949. Class 6.

Woods, May, Co., The: *See*—
Woods, Mae.

Worcester Salt Company, Silver Springs and New York, N. Y., to Morton Salt Company, Chicago, Ill. Compound table-salt. 74,109, re-renewed June 15, 1949. O. G. June 14. Class 46.

Workman Packing Company, San Francisco, Calif. Canned goods. 510,842, June 14; Serial No. 527,175, published Mar. 8, 1949. Class 46.

World's Products Company: *See*—
Laymon, Herman B.

Wortendyke Manufacturing Company, Richmond, Va. Toilet paper tissue. 510,955, June 14; Serial No. 546,076, published Mar. 1, 1949. Class 37.

Worth Undergarment Co., New York, N. Y. Ladies' silk undergarments. 354,047, Feb. 1, 1938. Republished June 14. Class 39.

Worts Biscuit Company, Fort Smith, Ark. Crackers. 511,104, June 14; Serial No. 538,216. Class 46.

Wyeth Incorporated: *See*—
Wyeth, John.

Wyeth, John, & Brother, Incorporated, to Wyeth Incorporated, Philadelphia, Pa. Expectorant pharmaceutical compound. 73,623, re-renewed May 4, 1949. O. G. June 14. Class 6.

Yeomans Brothers Company, Chicago, Ill. Pumps, centrifugal pumps, air compressors, etc. 510,855, June 14; Serial No. 530,888, published Mar. 1, 1949. Class 23.

York Pharmacal Company, St. Louis, Mo. Cigarette lighter fluid. 400,910, Apr. 6, 1943. Republished June 14. Class 6.

York Pharmacal Company, St. Louis, Mo. Dry cleaning fluid. 400,934, Apr. 13, 1943. Republished June 14. Class 4.

York Pharmacal Company, St. Louis, Mo. Insecticides. 420,644, Apr. 23, 1946. Republished June 14. Class 6.

Yost Superior Co., The, Springfield, Ohio. Tension, torsion, and expansion springs, and wire forms. 510,860, June 14; Serial No. 531,747, published Feb. 22, 1949. Class 13.

Young Broom Co., Inc., West Springfield, Mass. Brooms. 510,979, June 14; Serial No. 547,884, published Jan. 4, 1949. Class 29.

Younghusband, James L., by Consolidated Cosmetics, Chicago, Ill. Toilet soap. 393,970, Mar. 19, 1942. Republished June 14. Class 4.

Ziff-Davis Publishing Company, Chicago, Ill. Magazine. 511,026–7, June 14; Serial No. 535,218–19, published Mar. 8, 1949. Class 38.

Zillotto, Giovanni C., Lake Orion, Mich. Air cleaners, dust collectors, and machines or apparatus of a mechanical type. 510,926, June 14; Serial No. 541,022, published Mar. 8, 1949. Class 23.

Zo-Tite Products Co.: *See*—
Rosenkranse.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Aqueous dispersion of rubber, Latex Distributors, Inc. 442,892, June 14; Serial No. 519,762, published Mar. 15, 1949.

Asphalt, pitch, and tar. The Lehon Company. 442,895, June 14; Serial No. 520,715, published Mar. 15, 1949.

Coal. Galloway Coal Company. 248,168, Oct. 16, 1928. Republished June 14.

Coal. Green River Fuel Company, Incorporated. 260,437, renewed Aug. 27, 1949. O. G. June 14.

Coal. Green River Fuel Company, Incorporated. 260,471, Aug. 27, 1929. Republished June 14.

Coal, Soft. Central Indiana Coal Company, Inc. 510,991, June 14; Serial No. 550,020, published Mar. 15, 1949.

Leather. A. H. Ross and Sons, Co. 510,984–5, June 14; Serial Nos. 549,174–5, published Mar. 15, 1949.

Leather in the piece. A. Glickman. 442,900, June 14; Serial No. 524,793, published Mar. 15, 1949.

Leather, Tanned. Brisel Leather Corporation. 510,944, June 14; Serial No. 544,048, published Mar. 15, 1949.

Seed, Grass. Associated Seed Growers, Incorporated. 510,837, June 14; Serial No. 526,540, published Mar. 15, 1949.

Seed, Lawn. The J. Chas. McCullough Seed Company. 510,826, June 14; Serial No. 514,368, published Mar. 15, 1949.

Seed, Sugar beet. The Great Western Sugar Company. 510,987–8, June 14; Serial Nos. 549,540–1, published Mar. 15, 1949.

Silicon carbide. The Clover Manufacturing Company. 252,113, Jan. 22, 1929. Republished June 14.

Tar. H. L. Greenbaum. 260,438, renewed Aug. 27, 1949. O. G. June 14.

CLASS 2

Bins, Ash, rock or gravel bins, coal bins, etc. The Jeffrey Manufacturing Company. 510,939, June 14; Serial No. 543,457, published Mar. 15, 1949.

Boxes, cartons, and trays, Collapsible glued. Empire Box Corporation. 383,474, Dec. 10, 1940. Republished June 14.

Boxes, Fibreboard shipping. Robert Gaylord, Incorporated. 260,504, renewed Aug. 27, 1949. O. G. June 14.

Boxes, Paper. Cambridge Paper Box Company. 244,184, July 17, 1928. Republished June 14.

Cans and bottles. Menda Company. 510,876, June 14; Serial No. 534,304, published Mar. 22, 1949.

Cases, Fibreboard packing. Robert Gaylord, Incorporated. 260,505, renewed Aug. 27, 1949. O. G. June 14.

Closet accessories. A. L. Siegel Co., Inc. 510,948, June 14; Serial No. 545,398, published Mar. 8, 1949.
Furniture, Office. Corry-Jamestown Manufacturing Corporation. 203,845, Sept. 22, 1925. Republished June 14.
Liners of paper material. Robert Gaylord, Incorporated. 280,507, renewed Aug. 27, 1949. O. G. June 14.

CLASS 3

Handbags. Lilly, Dache, Inc. 511,014, June 14; Serial No. 552,955, published Mar. 8, 1949.
Handbags, Ladies'. North Bergen Leather Products Co. 510,969, June 14; Serial No. 547,024, published Jan. 25, 1949.
Saddles, saddle trees, and saddle tree horns. N. Porter Saddle and Harness Company. 511,017, June 14; Serial No. 553,510, published Mar. 8, 1949.
Suitcases. Abel & Bach, Inc. 510,938, June 14; Serial No. 548,375, published Feb. 22, 1949.
Trunks, handbags, suitcases, etc. T. J. Regnier, Incorporated. 511,003, June 14; Serial No. 552,007, published Jan. 18, 1949.
Wallets. D. A. Schulte, Inc. 511,022, June 14; Serial No. 554,720, published Feb. 1, 1949.
Wallets or billfolds. Swank, Inc. 510,887, June 14; Serial No. 535,760, published Feb. 22, 1949.
Wallets or billfolds. Swank, Inc. 510,888, June 14; Serial No. 535,769, published Feb. 8, 1949.

CLASS 4

Cleaner and detergent. Allied Home Products Corporation. 510,981, June 14; Serial No. 547,956, published Mar. 1, 1949.
Cleaning compound. The Diversey Corporation. 511,030, June 14; Serial No. 555,803, published Feb. 15, 1949.
Cleaning fluid, Dry. York Pharmacal Company. 400,934, Apr. 13, 1943. Republished June 14.
Cleansing compound. Philadelphia Quartz Company. 510,947, June 14; Serial No. 544,653, published May 25, 1948.
Compound for polishing metal. A. O. Bettes Mfg. Co., Inc. 210,744, Mar. 23, 1926. Republished June 14.
Detergent compositions, Synthetic. Monsanto Chemical Company. 511,038, June 14; Serial No. 557,862, published Feb. 22, 1949.
Detergent, Liquid. Huntington Laboratories, Inc. 440,012, Aug. 3, 1948. Republished June 14.
Diatomaceous earth, kieselguhr, and infusorial earth fillers. Great Lakes Carbon Corporation. 511,058, June 14; Serial No. 562,609, published Mar. 1, 1949.
Phosphates and alumina in the form of particulate solids, Inorganic. Monsanto Chemical Company. 511,037, June 14; Serial No. 557,547, published Feb. 15, 1949.
Polish, Detergent. Buffalo Specialty Company. 56,782, Oct. 16, 1906. Republished June 14.
Polishes. Buffalo Specialty Manufacturing Company. 37,516, Dec. 24, 1901. Republished June 14.
Powder, Plate. J. Goddard & Sons. 260,103, renewed Aug. 13, 1940. O. G. June 14.
Soap. A. Breslauer Export Corp. 510,962, June 14; Serial No. 546,352, published Feb. 15, 1949.
Soap. The Stork Company. 88,531, Sept. 24, 1912. Republished June 14.
Soap, Laundry, toilet soap, abrasive window cleaner, etc. Consolidated Cosmetics. 436,188, Jan. 27, 1948. Republished June 14.
Soap, shaving soap, and shaving cream. O. A. G. Schicht. 242,199, May 15, 1928. Republished June 14.
Soap, Toilet. J. L. Youngh usband. 393,970, Mar. 10, 1942. Republished June 14.
Soap, White laundry. W. G. Crane. 40,024, Mar. 31, 1903. Republished June 14.
Soaps, Toilet. Associated Distributors. 408,529, Aug. 15, 1944. Republished June 14.
Tapes, Emery, emery belts, glass tapes, etc. Drousfield Brothers Limited. 74,901, re-renewed Aug. 17, 1949. O. G. June 14.

CLASS 5

Fluid, Tire. Buffalo Specialty Company. 102,784, Feb. 23, 1915. Republished June 14.
Fluid, Tire. Buffalo Specialty Company. 108,634, Feb. 22, 1916. Republished June 14.
Glue. Consolidated Rendering Company. 256,552, May 21, 1929. Republished June 14.
Glue. H. L. Greenbaum. 259,285, renewed July 30, 1949. O. G. June 14.

CLASS 6

Amino acid preparation. Douglas Laboratories, Inc. 510,877–8, June 14; Serial Nos. 534,418–19, published Feb. 22, 1949.
Analgesic balm, anesthetic ointment, astringent preparation, etc. Vitaminerals, Inc. 510,846, June 14; Serial No. 527,724, published Nov. 23, 1948.
Anti-perspirant, lipstick, rouge, face powder, etc. Consolidated Cosmetics. 437,162, Mar. 9, 1948. Republished June 14.
Antiseptic solution. Peoples Drug Stores, Inc. 293,621, May 3, 1932. Republished June 14.
Baby cream. Johnson & Johnson. 396,705, July 28, 1942. Republished June 14.
Bates for tanners' uses. The Martin Dennis Company. 74,321, re-renewed July 6, 1949. O. G. June 14.
Bicarbonate of soda. Church & Dwight Co., Inc. 258,577, renewed July 9, 1949. O. G. June 14.
Bicarbonate of soda. Church & Dwight Co., Inc. 258,596, renewed July 9, 1949. O. G. June 14.
Bicarbonate of soda. Church & Dwight Co., Inc. 258,619–22, renewed July 9, 1949. O. G. June 14.
Bleaching and disinfecting solutions. H. M. Sinclair, Jr. 510,839, June 14; Serial No. 526,984, published Feb. 22, 1949.
Chemical composition. Service Industries. 511,039, June 14; Serial No. 557,872, published Mar. 8, 1949.
Chemical goods. Magnet Cove Barium Corporation. 510,848, June 14; Serial No. 528,085, published Mar. 8, 1949.
Chemical to be added to fire fighting liquid. Arnold, Hoffman & Co. Incorporated. 442,894, June 14; Serial No. 520,249, published Mar. 8, 1949.
Cigarette lighter fluid. York Pharmacal Company. 400,910, Apr. 6, 1943. Republished June 14.
Cleansing cream, Liquid. Elizabeth Arden Sales Corporation. 511,096, June 14; Serial No. 524,529.
Cold cream, vanishing cream, shampoo, etc. Georg Schicht, A. G. 239,723, Mar. 13, 1928. Republished June 14.
Cosmetics for men and women. H. L. Rothschild. 353,430, Jan. 11, 1938. Republished June 14.
Curing compound, Meat. H. J. Mayer & Sons Co., Inc. 510,884, June 14; Serial No. 535,249, published Mar. 1, 1949.
Dietary supplement. Happy Day Company, Inc. 416,677, Sept. 26, 1945. Republished June 14.
Disinfectants. The British Alkaloids Limited. 255,125, renewed Apr. 16, 1949. O. G. June 14.
Dyeing preparation. A. and A. Benelli. 442,891, June 14; Serial No. 516,742, published Mar. 1, 1949.
Dyes. Rit Products Corporation. 261,019, renewed Sept. 3, 1949. O. G. June 14.
Dyestuffs derived from coal tar. Aniline Color and Extract Works. 73,058, re-renewed Mar. 16, 1949. O. G. June 14.
Endocrine cholagogue and cathartic. G. W. Carnrick Co. 327,370, Aug. 27, 1935. Republished June 14.
Expectorant pharmaceutical compound. John Wyeth & Brother, Incorporated. 73,623, re-renewed May 4, 1949. O. G. June 14.
Face powder. Elizabeth Arden Sales Corporation. 510,952, June 14; Serial No. 545,937, published Mar. 8, 1949.
Face powder, dusting powder and perfume. Consolidated Cosmetics. 423,001, Aug. 20, 1946. Republished June 14.
Face powder, lipstick, hand cream, etc. Consolidated Cosmetics. 420,234, Apr. 2, 1946. Republished June 14.
Ferrous sulphate and liver extract, Combination of. G. W. Carnrick Co. 360,619, Sept. 20, 1938. Republished June 14.
Fire-extinguishing compositions and ingredients. American La France and Foamite Corporation. 255,734, renewed Apr. 30, 1949. O. G. June 14.
Flaccid preparation. M. Woods. 511,051, June 14; Serial No. 560,077, published Mar. 8, 1949.
Florida water. Lanman & Kemp, Inc. 261,550, renewed Sept. 17, 1949. O. G. June 14.
Florida water, cod liver oil, porous plasters, etc. Lanman & Kemp, Inc. 261,616, renewed Sept. 17, 1949. O. G. June 14.
Fluid, Non-freezing. Nourse Oil Company. 245,031, Aug. 7, 1928. Republished June 14.
Flux, Brazing and soldering. Standard Metals Corporation. 511,015, June 14; Serial No. 553,139, published Mar. 8, 1949.
Gas, Concentrated natural. Philfuels Company. 240,082, Nov. 6, 1928. Republished June 14.
Gases, Liquefied industrial. Philfuels Company. 240,081, Nov. 6, 1928. Republished June 14.
Germicides and antiseptics. The British Alkaloids Limited. 255,142, renewed Apr. 16, 1949. O. G. June 14.
Herb-vegetable compound. F. S. Hirsch. 184,157, May 20, 1924. Republished June 14.
Hormone preparation, Standardized, ovarian. G. W. Carnrick Co. 300,022, Jan. 3, 1933. Republished June 14.
Incense, and perfumed burning oils. Consolidated Cosmetics. 427,576, Feb. 11, 1947. Republished June 14.
Insecticides. F. M. Cabigas. 511,090, June 14; Serial No. 515,745.
Insecticides. Consolidated Cosmetics. 424,189, Sept. 24, 1946. Republished June 14.
Insecticides. York Pharmacal Company. 420,644, Apr. 23, 1946. Republished June 14.
Insecticides, disinfectants, and deodoranta. Stanco Incorporated. 255,171, renewed Apr. 16, 1949. O. G. June 14.
Iron oxide, Red. C. K. Williams & Co. 510,974, June 14; Serial No. 547,595, published Mar. 8, 1949.
Lipstick, rouge, antiperspirant, deodorant, etc. Consolidated Cosmetics. 414,146, May 29, 1945. Republished June 14.
Lipstick, rouge, antiperspirant, etc. Associated Distributors. 407,797, June 27, 1944. Republished June 14.
Lipstick, rouge, face powder, etc. Associated Distributors. 407,698, June 20, 1944. Republished June 14.
Lotions, Perfumed liquid skin. J. S. St. B. Baker. 511,026, June 14; Serial No. 555,333, published Mar. 15, 1949.

Lotions, Skin, toilet cream, toilet powder, etc. Genatosan Limited. 510,963, June 14; Serial No. 546,587, published Mar. 8, 1949.
Medicinal product. G. S. Cordero. 442,890, June 14; Serial No. 514,951, published Mar. 1, 1949.
Medicines and pharmaceutical preparations. Dome Chemicals, Inc. 387,771, May 27, 1941. Republished June 14.
Parasiticides. Niagara Sprayer Company. 255,486, renewed Apr. 23, 1949. O. G. June 14.
Penicillin compounds. Bristol Laboratories Inc. 511,018, June 14; Serial No. 554,292, published Mar. 1, 1949.
Penicillin preparation. William R. Warner & Co., Inc. 511,006, June 14; Serial No. 552,193, published Feb. 22, 1949.
Penicillin preparations for use as anti-biotics. William R. Warner & Co., Inc. 511,041, June 14; Serial No. 558,262, published Mar. 1, 1949.
Perfume. Chanel, Inc. 511,105, June 14; Serial No. 539,852.
Perfume and cologne. M. Leduc. 413,864, May 16, 1945. Republished June 14.
Perfume, cologne, face powder, and hand lotion. Consolidated Cosmetics. 431,835, Aug. 12, 1947. Republished June 14.
Perfume, cologne, face powder, brilliantine, and lipstick. Consolidated Cosmetics. 432,410, Sept. 2, 1947. Republished June 14.
Perfume, cologne, lipstick, face powder, etc. Consolidated Cosmetics. 426,323, Dec. 24, 1946. Republished June 14.
Perfume, cologne, toilet water, etc. Consolidated Cosmetics. 418,522, Jan. 1, 1946. Republished June 14.
Perfume, toilet water, eau de cologne, etc. Chanel, Inc. 510,992, June 14; Serial No. 550,120, published Mar. 8, 1949.
Pharmaceutical preparations and toilet goods. The M. Stein Cosmetic Co. 350,370, Sept. 28, 1937. Republished June 14.
Pharmaceutical product. Nutrition Research Laboratories. 511,048, June 14; Serial No. 550,534, published Mar. 8, 1949.
Pharmaceutical product. Nutrition Research Laboratories. 511,049, June 14; Serial No. 559,535, published Mar. 15, 1949.
Pills for the relief of dyspepsia, headache, etc. W. O. and R. G. Barclay. 33,280, re-renewed July 25, 1949. O. G. June 14.
Preparation consisting of a combination of fine ground metals and chemical powders. W. Rosenkranse. 511,096, June 14; Serial No. 522,750.
Preparation for the relief of discomfort or pain. J. R. Clark. 409,742, Oct. 17, 1944. Republished June 14.
Preparation in tablet form, Sweetened. Nutrition Corporation of America. 442,897, June 14; Serial No. 523,795, published Mar. 8, 1949.
Preparations for destroying vermin. Fulton Chemical Company. 90,188, Feb. 11, 1913. Republished June 14.
Protective coating, Liquid. American Bandage Corp. 400,329, Mar. 2, 1943. Republished June 14.
Red oil. The Procter & Gable Company. 231,897, Aug. 30, 1927. Republished June 14.
Remedy for skin diseases. The Omega Chemical Company. 75,626, re-renewed Oct. 26, 1949. O. G. June 14.
Shampoo. R. B. Semler, Inc. 510,940, June 14; Serial No. 543,531, published Mar. 15, 1949.
Shampoo and parasiticide. Metropolitan Chemical Corp. 422,375, July 16, 1946. Republished June 14.
Sodium salt of carboxymethylcellulose. Drilling Specialties Company. 510,996, June 14; Serial No. 550,675, published Mar. 15, 1949.
Solvent, Drain. Buffalo Specialty Company. 163,029, Jan. 2, 1923. Republished June 14.
Spray, Nose and throat. Stanco Incorporated. 257,013–14, renewed May 28, 1949. O. G. June 14.
Spray, Nose and throat. Stanco Incorporated. 257,558–9, renewed June 11, 1949. O. G. June 14.
Spray preparation. American Disinfecting Company. 261,304, renewed Sept. 17, 1949. O. G. June 14.
Stearic acid. The Procter & Gamble Company. 231,898, Aug. 30, 1927. Republished June 14.
Stimulant, Endocrine. G. W. Carnrick Co. 255,711, Apr. 30, 1929. Republished June 14.
Tablets, solutions, and pastes. Dome Chemicals, Inc. 383,764, Dec. 24, 1940. Republished June 14.
Therapeutic agent. G. W. Carnrick Co. 373,002, Nov. 21, 1939. Republished June 14.
Thyroid and estrogenic hormones, Combination of. G. W. Carnrick Co. 372,999, Nov. 21, 1939. Republished June 14.
Toilet preparation for external application, etc. W. O. and R. G. Barclay. 33,209, re-renewed July 11, 1949. O. G. June 14.
Tonic and shampoo, Hair. R. B. Semler, Inc. 510,941, June 14; Serial No. 543,534, published Mar. 15, 1949.
Tonic, Hair. R. B. Semler, Inc. 510,942, June 14; Serial No. 543,586, published Mar. 15, 1949.

CLASS 7

Cord, Sash, awning cord and clothes-lines. Frank W. Winne & Son, Inc. 511,042, June 14; Serial No. 558,264, published Feb. 1, 1949.

CLASS 9

Shells, cartridges, bullets, etc. The Peters Cartridge Company. 33,053, re-renewed June 6, 1949. O. G. June 14.

CLASS 11

Inks, Printing, lithographing inks; and pigments, dyes, etc. The Sherwin-Williams Company. 510,867, June 14; Serial No. 533,508, published Aug. 10, 1948.

CLASS 12

Asphalt mastic. Ajax Floor Products Corp. 511,101, June 14; Serial No. 533,112.
Insulating material, Thermal. Insul-Wool Insulation Corp. 511,002, June 14; Serial No. 551,978, published Feb. 22, 1949.
Panels, Decorative hardboard. Prestile Manufacturing Company. 442,881, June 14; Serial No. 499,570, published Mar. 1, 1949.
Plaster, Cement. The American Cement Plaster Co. 74,428, re-renewed July 13, 1949. O. G. June 14.
Plaster, Fibred, non-fibred plaster, slow gauging plaster, and Keene's cement. Western Gypsum Company. 511,009, June 14; Serial No. 530,608.
Structural members, Metallic. Nallatee), Inc. 442,878, June 14; Serial No. 496,324, published Mar. 1, 1949.
Tile, Glass wall. Dearborn Glass Company. 510,957, June 14; Serial No. 546,091, published Feb. 22, 1949.

CLASS 13

Bolts, nuts, and spikes, Railway track. Inland Steel Company. 510,895, June 14; Serial No. 536,810, published Mar. 1, 1949.
Chains. Peerless Chain Company. 510,871, June 14; Serial No. 533,611, published Mar. 1, 1949.
Couplings and fittings, flexible metal tubing, etc. Chicago Metal Hose Corporation. 510,854, June 14; Serial No. 530,466, published Mar. 1, 1949.
Couplings, Pipe. Gustin-Bacon Manufacturing Company. 510,825, June 14; Serial No. 511,326, published Mar. 1, 1949.
Fasteners, Slide. Waldes Koh-I-Noor, Inc. 297,996, Oct. 11, 1932. Republished June 14.
Fixtures, Plumbing. W. A. Case and Son Manufacturing Company. 510,894, June 14; Serial No. 536,763, published Feb. 22, 1949.
Hardware, Pole line. Utilities Service Company. 347,357, June 22, 1937. Republished June 14.
Links, Chain repair. Peerless Chain Company. 510,870, June 14; Serial No. 533,606, published Mar. 1, 1949.
Plates for screws and bolts, Locking. Tinnerman Products, Inc. 510,930, June 14; Serial No. 542,230, published Mar. 1, 1949.
Plugs, Sink; anti-splash devices for taps; and flexible attachments for taps. P. B. Cow & Co. Limited. 510,889, June 14; Serial No. 535,822, published Mar. 1, 1949.
Rack, Suctionally attachable small bar. O. W. Hueter. 510,882, June 14; Serial No. 534,780, published Mar. 1, 1949.
Sprays, Shampoo, bath sprays, and faucet strainers. Knickerbocker Rubber Company. 510,858, June 14; Serial No. 551,487, published Feb. 22, 1949.
Springs, Tension, torsion, and expansion, and wire forms. The Yost Superior Co. 510,860, June 14; Serial No. 531,747, published Feb. 22, 1949.
Springs, wire shapes, etc. Paragon Spring Company. 510,869, June 14; Serial No. 533,604, published Mar. 1, 1949.
Stand, Cleaner can. J. H. Milligan. 442,902, June 14; Serial No. 525,011, published Feb. 22, 1949.
Stoppers, Gas main. E. A. Goodman. 510,899, June 14; Serial No. 537,037, published Mar. 1, 1949.
Toilet seat, Child's auxiliary. Dorsey-Schonlau Company. 510,996, June 14; Serial No. 536,878, published Mar. 1, 1949.
Unions, Pipe, thread protectors, clamp handles, etc. Well Equipment Mfg. Corp. 442,898, June 14; Serial No. 520,075, published Mar. 1, 1949.
Valves. The Lunkenheimer Company. 442,901, June 14; Serial No. 524,805, published Mar. 1, 1949.

CLASS 14

Sheets of iron and steel, Open-hearth. Newport Rolling Mill Co. 74,146, June 22, 1909. Republished June 14.

CLASS 15

Oil, Illuminating. West India Oil Company. 254,842, renewed Apr. 2, 1946. O. G. June 14.
Oils and greases, Lubricating, and gasoline. Gasteria Incorporated. 300,685, Jan. 31, 1933. Republished June 14.
Oils, Hydrocarbon motor-fuel, and lubricating oils and greases. The Pure Oil Company. 259,036, renewed July 23, 1949. O. G. June 14.
Oils, Lubricating. Gasteria Incorporated. 296,953, Aug. 30, 1932. Republished June 14.
Petroleum products. J. B. Saunders. 438,580, May 4, 1946. Republished June 14.

CLASS 16

Paint. The R. F. Johnston Paint Company. 142,593, May 17, 1921. Republished June 14.
Paints. The Foy Paint Company, Inc. 418,972, Oct. 9, 1945. Republished June 14.
Paints and varnishes, Dry and ready-mixed. National Gypsum Company. 259,916, renewed Aug. 13, 1940. O. G. June 14.
Paints, Dry, paste, and ready-mixed, wood-stains, paint enamels, and iron-fillers of paint nature. The Foy Paint Co. 148,006, May 24, 1921. Republished June 14.
Paints, Prepared and ready-mixed. The R. F. Johnston Paint Co. 142,282, May 10, 1921. Republished June 14.
Paints, Ready-mixed. The Foy Paint Co. 198,422, May 19, 1925. Republished June 14.
Paints, Ready-mixed. The R. F. Johnston Paint Company. 179,520, Feb. 12, 1924. Republished June 14.
Paints, ready-mixed, liquid, paste, or semi-paste; house paint, flat wall paint, etc. Everseal Manufacturing Co., Inc. 256,511, renewed May 21, 1940. O. G. June 14.
Paints, Ready-mixed, paint enamels, thinner, etc. The R. F. Johnston Paint Company. 212,248, Apr. 27, 1926. Republished June 14.
Varnish. The R. F. Johnston Paint Company. 163,794, Jan. 30, 1923. Republished June 14.

CLASS 19

Aircraft, Rotary wing. Hoppe-Copters, Inc. 430,803, June 10, 1947. Republished June 14.
Automobile accessories, Fabric. J. C. Meunier. 390,018, Sept. 2, 1941. Republished June 14.
Automobiles and structural parts thereof. Morris Motors Limited. 350,229, Sept. 21, 1937. Republished June 14.
Bodies and cabs for truck and passenger automobiles. Badger Body Manufacturing Company. 419,606, Feb. 26, 1946. Republished June 14.
Buffing and draw springs and bearing springs, etc., India-rubber. Spencer, George, Moulton & Company, Limited. 278,383, Dec. 16, 1930. Republished June 14.
Buffing and draw springs and bearing blocks, India-rubber. Spencer, George, Moulton & Company, Limited. 265,540, Dec. 31, 1929. Republished June 14.
Covers, Seat, for automobile seats and the like. The May Department Stores Company. 238,036, Jan. 24, 1928. Republished June 14.

CLASS 21

Adhesive tapes used in the electrical industry. Industrial Tape Corporation. 426,300, Dec. 24, 1946. Republished June 14.
Apparatus used for supplying current. E. Friedrich, Inc. 381,187, Sept. 17, 1940. Republished June 14.
Batteries, Storage. Willard Storage Battery Company. 254,979, renewed Apr. 2, 1940. O. G. June 14.
Condensers, Electrolytic. Cornell-Dubilier Electric Corporation. 376,406, Mar. 26, 1940. Corrected. O. G. June 14.
Condensers, Electrolytic. Cornell-Dubilier Electric Corporation. 379,258–9, July 9, 1940. Corrected. O. G. June 14.
Motors, Electric damper. Penn Electric Switch Co. 375,845, Mar. 5, 1940. Republished June 14.
Radio receiving sets and parts thereof. Automobile Radio Corporation. 260,381, renewed Aug. 20, 1940. O. G. June 14.
Stokers, Electric automatic. Domestic Stoker Company. 188,711, Sept. 2, 1924. Republished June 14.

CLASS 22

Balls, India-rubber, for games, and tennis balls. Spencer, George, Moulton & Company, Limited. 305,271, Aug. 8, 1933. Republished June 14.
Fishing lines. United States Whip Company. 205,247, Nov. 3, 1925. Republished June 14.
Fishing lines. United States Whip Company. 205,304, Nov. 3, 1925. Republished June 14.
Fishing lines. United States Whip Company. 210,221, Mar. 9, 1926. Republished June 14.
Fishing lines. United States Whip Company. 216,585, Aug. 17, 1926. Republished June 14.
Golf bags, baseball gloves, etc. Des Moines Glove & Mfg. Company, Inc. 396,807, Aug. 4, 1942. Republished June 14.
Playing cards. Standard Playing Card Co. 260,837, renewed Aug. 27, 1949. O. G. June 14.
Playing cards. The United States Playing Card Company. 250,836, renewed Aug. 27, 1949. O. G. June 14.

CLASS 23

Air cleaners, dust collectors, and machines or apparatus of a mechanical type. G. C. Ziliotto. 510,925, June 14; Serial No. 541,622, published Mar. 8, 1949.
Apparatus for registering printing plates. H. H. Heinrich, Inc. 510,901, June 14; Serial No. 537,191, published Mar. 1, 1949.
Carburetors, carburetor parts, and accessories for carburetors. Bendix Aviation Corporation. 510,829, June 14; Serial No. 516,168, published Mar. 8, 1949.
Castings, Finished centrifugal. Paxton-Mitchell Company. 442,889, June 14; Serial No. 514,375, published Mar. 1, 1949.
Cultivators and parts thereof, Power driven garden. Bray Corporation. 510,822, June 14; Serial No. 506,857, published Mar. 8, 1949.
Dishers, Ice cream. Scovill Manufacturing Company. 510,937, June 14; Serial No. 543,363, published Mar. 8, 1949.
Drills, Coal and rock, machines for drilling coal and rock, and parts thereof. Howells Mining Drill Company. 510,907, June 14; Serial No. 537,798, published Mar. 8, 1949.
Driving units, Variable speed. Syco Manufacturing Corporation. 510,915, June 14; Serial No. 538,571, published Mar. 1, 1949.
Dump units, Hydraulic, hydraulic lift mechanisms, etc. The Heil Co. 510,917, June 14; Serial No. 538,638, published Mar. 1, 1949.
Embossing and printing machines and parts thereof. Farrington Manufacturing Company. 510,913, June 14; Serial No. 538,261, published Mar. 8, 1949.
Files and rasps. Nicholson File Company. 182,847, renewed Jan. 5, 1948. O. G. June 14.
Fire-extinguishing apparatus and parts thereof, Portable hand. American-La France and Foamite Corporation. 254,388, renewed Mar. 26, 1949. O. G. June 14.
Forks, hoes, rakes, Hand-operated, etc. United Co-Operatives, Inc. 510,911, June 14; Serial No. 538,052, published Mar. 8, 1949.
Grain-cleaners, grain-separators, grain-scourers, etc. The S. Howes Company. 86,594, May 21, 1912. Republished June 14.
Handling mechanisms, Flexible sheet. Mount Hope Machinery Company. 510,918, June 14; Serial No. 539,892, published Mar. 8, 1949.
Jewelry. A and Z Chain Company. 365,539, Mar. 14, 1939. Republished June 14.
Loom-pickers made of leather. E. H. Jacobs Manufacturing Company. 33,168, re-renewed June 27, 1949. O. G. June 14.
Machines for marking and attaching price tags to merchandise. The Monarch Marking System Company. 510,936, June 14; Serial No. 543,028, published Mar. 8, 1949.
Openers, Can. R. H. Clark. 510,847, June 14; Serial No. 528,050, published Mar. 1, 1949.
Openers, Can, egg beaters, jar openers, etc. Edlund Company. 510,872, June 14; Serial No. 533,668, published Mar. 8, 1949.
Pliers, Crescent Tool Company. 95,302, Feb. 10, 1914. Republished June 14.
Pliers and wrenches. Crescent Tool Company. 97,826, June 23, 1914. Republished June 14.
Pulleys, Steel split. The American Pulley Company. 510,912, June 14; Serial No. 538,064, published Mar. 1, 1949.
Pumps, Acid, and locomotive pilots. Ross-Meehan Foundries. 510,923, June 14; Serial No. 541,465, published Mar. 1, 1949.
Pumps, centrifugal pumps, air compressors, etc. Yeomans Brothers Company. 510,855, June 14; Serial No. 530,888, published Mar. 1, 1949.
Road construction and maintenance machinery. All-Purpose Spreader Company. 510,827, June 14; Serial No. 515,211, published Mar. 8, 1949.
Scrapers, Road, road graders, road rollers, etc. The Gallon Iron Works & Manufacturing Company. 510,824, June 14; Serial No. 510,167, published Mar. 1, 1949.
Scrapers, Self-propelled, earth moving. The Heil Co. 510,903, June 14; Serial No. 537,312, published Mar. 1, 1949.
Screw drivers, drills, screw driver bits and countersinks. North Brothers Manufacturing Company. 510,904, June 14; Serial No. 537,492, published Mar. 8, 1949.
Sprayers and dusters, Portable power operated. The F. E. Myers & Bro. Company. 510,833, June 14; Serial No. 522,442, published Mar. 1, 1949.
Sprayers, Engine or power take-off operated portable and stationary. The F. E. Myers & Bro. Company. 510,835, June 14; Serial No. 522,444, published Mar. 1, 1949.
Sprayers, Portable hand operated. The F. E. Myers & Bro. Company. 510,834, June 14; Serial No. 522,443, published Mar. 1, 1949.
Sprayers, pumps, squirt guns, atomizers, etc., Hand and portable. Stanco Incorporated. 255,640, renewed Apr. 30, 1940. O. G. June 14.
Sprayers, pumps, squirt guns, atomizers, Hand and portable, etc. Stanco Incorporated. 255,394, renewed Apr. 23, 1940. O. G. June 14.
Tools, Powder actuated. Tempo Products Company. 510,830, June 14; Serial No. 517,215, published Mar. 8, 1949.
Trucks, Lift, and portable elevators. Barrett-Cravens Company. 510,841, June 14; Serial No. 527,133, published Mar. 8, 1949.
Turntables, Mechanically operated. H. H. Mack. 510,914, June 14; Serial No. 538,307, published Mar. 1, 1949.
Utensils for partitioning various foods. C. J. Schneider. 510,840, June 14; Serial No. 527,076, published Mar. 1, 1949.

CLASS 24

Laundry nets. H. Kohnstamm & Co., Inc. 275,890, Oct 7, 1930. Republished June 14.

CLASS 25

Locks and bolts, Door, sash locks and fasteners, and cupboard catches. Belknap Hardware and Manufacturing Co. 74,603, re-renewed July 27, 1949. O. G. June 14.
Locks, Ignition switch locks, fuel tank locking caps, etc. Ford Motor Company. 511,061, June 14; Serial No. 509,140, published Mar. 8, 1949.

CLASS 26

Battery charging and testing apparatus, Combination. Mercury Battery Charger & Tester Corp. 389,393, Aug. 5, 1941. Republished June 14.
Case or holder, Eyeglass. A. R. Schiff. 511,110, June 14; Serial No. 547,037.
Certain precision instruments. Swedish Gage Company of America. 511,010, June 14; Serial No. 532,344, published Mar. 8, 1949.
Charts for computing mathematical information, Adjustable calculating. E. H. Meier. 442,904, June 14; Serial No. 523,656.
Clocks, Control. Penn Electric Switch Co. 354,905, Mar. 1, 1938. Republished June 14.
Gages, Saw, fluid meters, flow provers, etc. Rockwell Manufacturing Company. 511,103, June 14; Serial No. 534,355.
Gauging mechanisms for determining physical dimensions, Electric. Arlin Products, Incorporated. 442,882, June 14; Serial No. 504,023, published Feb. 8, 1949.
Immersion apparatus, Automatic. The Technicon Co. 510,831, June 14; Serial No. 517,931, published Mar. 1, 1949.
Lens-testing instruments, American Optical Company. 510,823, June 14; Serial No. 509,685, published Mar. 8, 1949.
Measuring instruments, Electrical. Quvas Products Inc. 442,888, June 14; Serial No. 510,402, published Feb. 8, 1949.
Ophthalmic mountings and parts thereof. Willson Products, Inc. 442,880, June 14; Serial No. 498,562, published Jan. 25, 1949.
Optical goods. Charles Foster & Co. 510,859, June 14; Serial No. 531,657, published June 29, 1948.
Patterns for making clothing, Paper. Sears, Roebuck and Co. 511,000, June 14; Serial No. 551,405, published Mar. 1, 1949.
Rulers, Parallel, straightedges, T-squares, etc. H. L. Delisle. 442,885, June 14; Serial No. 505,740, published Feb. 1, 1949.
Thermostats. Penn Electric Switch Co. 328,322, Sept. 24, 1935. Republished June 14.

CLASS 27

Clocks, Electric. Ford Motor Company. 511,060, June 14; Serial No. 509,137, published Mar. 8, 1949.
Watches. E. Leichter. 510,935, June 14; Serial No. 542,958, published Mar. 8, 1949.
Watches, clocks. Aristocrat Watch & Jewelry Co., Inc. 510,862–3, June 14; Serial Nos. 532,094–5, published Mar. 8, 1949.
Watches, clocks. Aristocrat Watch & Jewelry Co., Inc. 510,864, June 14; Serial No. 532,007, published Mar. 8, 1949.
Watches, watch casings, and parts of watches. Societe Anonyme Mido. 442,879, June 14; Serial No. 498,534, published Mar. 8, 1949.
Watches, watch-movements, watchcases, and parts thereof. Harvel Watch Company. 510,928, June 14; Serial No. 542,123, published Mar. 8, 1949.

CLASS 28

Flatware, Sterling silver. Rogers, Lunt & Bowlen Company. 510,946, June 14; Serial No. 544,113, published Mar. 15, 1949.
Jewelry. A and Z Chain Company. 365,539, Mar. 14, 1939. Republished June 14.
Jewelry. Henry Pommier, Inc. 510,954, June 14; Serial No. 545,032, published Mar. 8, 1949.
Jewelry. Uncas Manufacturing Company. 511,106, June 14; Serial No. 542,688.
Jewelry. Uncas Manufacturing Company. 511,107–8, June 14; Serial Nos. 542,691–2.
Jewelry, Copper costume. J. Michelson. 511,020, June 14; Serial No. 554,390, published Mar. 1, 1949.
Jewelry, etc. J. M. Fisher Company. 510,879, June 14; Serial No. 534,425, published Mar. 15, 1949.
Knives, forks, spoons, etc. Rogers, Lunt & Bowlen Company. 510,964, June 14; Serial No. 546,432, published Mar. 15, 1949.
Lighters, Cigarette, cigarette cases, compacts etc. Evans Case Co. 511,004, June 14; Serial No. 552,048, published Mar. 8, 1949.
Necklaces, bracelets, earrings, jewelry clips, brooches, lockets. Coro, Inc. 511,089, June 14; Serial No. 513,609.
Necklaces, bracelets, finger rings, jewelry clips, etc. Joseph H. Myer Bros. 442,883, June 14; Serial No. 505,434, published Mar. 23, 1946.
Rings, Finger. Granat Bros., Inc. 510,934, June 14; Serial No. 542,923, published Mar. 15, 1949.
Stones, Precious and semi-precious cut. Schiess-Hardwood Co. Incorporated. 440,329, Aug. 24, 1948. Republished June 14.

CLASS 29

Brooms. Atlantic Southwestern Broom Co. 510,960, June 14; Serial No. 546,277, published Jan. 11, 1949.
Brooms. National Broom Manufacturing Company. 199,851, June 16, 1925. Republished June 14.
Brooms. Young Broom Co., Inc. 510,979, June 14; Serial No. 547,884, published Jan. 4, 1949.
Brushes. Ox Fibre Brush Company, Inc. 510,951, June 14; Serial No. 545,761, published Jan. 11, 1949.
Brushes. Roux Distributing Co., Inc. 510,980, June 14; Serial No. 547,942, published Jan. 11, 1949.
Brushes. Whiting-Adams Company, Inc. 510,621, June 14; Serial No. 506,409, published Feb. 1, 1949.
Brushes, Artists'. M. Grumbacher Inc. 510,945, June 14; Serial No. 544,084, published Jan. 4, 1949.
Brushes, wiping cloths, hand-propelled floor polishers, etc. The Sherwin-Williams Company. 510,868, June 14; Serial No. 533,515, published Aug. 3, 1948.
Mops, brooms, and brushes. Janitors Supply House, Incorporated. 510,982, June 14; Serial No. 547,097, published Jan. 11, 1949.
Pads or buffs, Polishing. R. L. Fisher. 442,877, June 14; Serial No. 495,462, published Jan. 11, 1949.
Small pads of cotton used primarily for cleansing. The Personal Products Corporation. 411,109, Jan. 2, 1945. Republished June 14.
Toothbrushes. J. E. Pollack. 511,095, June 14; Serial No. 520,298.

CLASS 30

Dinnerware manufactured of clay. Flintridge China. 511,092, June 14; Serial No. 517,808.

CLASS 31

Cabinets and parts therefor, Home freezer. The Maytag Company. 510,892, June 14; Serial No. 535,061, published Mar. 8, 1949.
Clarification precipitation process and apparatus, Simultaneous. The Merrill Company. 510,919, June 14; Serial No. 539,973, published Mar. 8, 1949.
Discs, bags, flats, squares and tubes, Milk filter, etc. Schwartz Manufacturing Company. 511,007, June 14; Serial No. 552,274, published Mar. 8, 1949.
Filter elements, Replaceable. Chicago Flexible Shaft Company. 442,875, June 14; Serial No. 488,199, published Mar. 8, 1949.
Filters, Air. Air-Maze Corporation. 255,632, Apr. 30, 1929. Republished June 14.
Filters, Electrically operated oil; water softeners; milk coolers. Oakes & Company. 442,903, June 14; Serial No. 525,392, published Mar. 8, 1949.
Freezers, Chest type, household refrigerators, commercial refrigerator, etc. International Harvester Company. 511,021, June 14; Serial No. 554,674, published Mar. 8, 1949.
Freezers, Electrically driven ice cream. Louisville Electric Manufacturing Company. 511,036, June 14; Serial No. 557,286, published Mar. 8, 1949.
Refrigerating apparatus. Ice-Flo Corporation. 511,012, June 14; Serial No. 552,783, published Mar. 8, 1949.
Refrigerators, refrigerator cabinets, refrigerant compressors, etc. Gibson Refrigerator Company. 510,857, June 14; Serial No. 531,025, published Mar. 8, 1949.
Separation process equipment, Mineral. The Merrill Company. 510,920, June 14; Serial No. 539,974, published Mar. 8, 1949.
Showcases, Refrigerator, carbonated and other beverage dispensing fountains, etc. Weber Showcase & Fixture Co., Inc. 510,861, June 14; Serial No. 531,972, published Mar. 8, 1949.

CLASS 32

Display counters. Sherer-Gillett Company. 124,885, Mar. 18, 1919. Republished June 14.
Furniture, Office. Corry-Jamestown Manufacturing Corporation. 203,645, Sept. 22, 1925. Republished June 14.
Furniture, Wooden and upholstered household and office. Grand Rapids Furniture Makers Guild. 302,994, May 9, 1933. Republished June 14.
Mirrors. Falconer Plate Glass Corporation. 289,151, Nov. 17, 1931. Republished June 14.

CLASS 34

Fans, Ventilating. Western Blower Co. 236,542, Feb. 7, 1928. Republished June 14.
Fireplace structures. Bennett-Ireland. 438,171, Apr. 13, 1948. Republished June 14.
Furnaces, Industrial heating and melting. The Amsler-Morton Company. 372,992, Nov. 21, 1939. Republished June 14.
Heaters, Gas consuming space. Day & Night Manufacturing Company. 430,716, June 24, 1947. Republished June 14.
Heaters, Oil burning space, ranges and conversion burners. Quaker Manufacturing Company. 439,322, June 15, 1948. Republished June 14.
Panels, Air filtering. Air-Maze Corporation. 368,700, June 27, 1939. Republished June 14.
Panels, Air filtering. Air-Maze Corporation. 373,325, Dec. 5, 1939. Republished June 14.
Ventilators, Gravity roof. Klauer Manufacturing Company. 391,178, Oct. 28, 1941. Republished June 14.

CLASS 35

Hose, Metal. Pennsylvania Flexible Metallic Tubing Co. 87,919, Aug. 13, 1912. Republished June 14.
Tubing, Flexible metallic. Pennsylvania Flexible Metallic Tubing Co. 80,870, Feb. 7, 1911. Republished June 14.

CLASS 36

Musical instruments, Brass, reed and stringed. Western States Wholesale Music Corporation. 347,098, June 15, 1937. Republished June 14.
Needles, Phonograph. Permo Incorporated. 511,047, June 14; Serial No. 559,431, published Mar. 15, 1949.
Needles, Talking-machine. W. H. Bagshaw Co. 510,906, June 14; Serial No. 537,654, published Mar. 8, 1949.
Records, Mechanically grooved. The Starr Piano Company, Inc. 510,961, June 14; Serial No. 546,332, published Mar. 15, 1949.
Records, Mechanically grooved phonograph. Decca Records, Inc. 510,900, June 14; Serial No. 537,163, published Mar. 22, 1949.
Saxophones, cornets, trumpets, etc. The Elkhart Band Instrument Company. 510,931, June 14; Serial No. 542,416, published Mar. 15, 1949.
Steels, Guitar. Western States Wholesale Music Corporation. 351,011, Oct. 12, 1937. Republished June 14.

CLASS 37

Crayons. Milton Bradley Company. 510,967, June 14; Serial No. 546,552, published Mar. 1, 1949.
Crayons. Markwell Manufacturing Co., Inc. 510,921, June 14; Serial No. 540,990, published Mar. 1, 1949.
Envelopes, envelope windows, papery materials, etc. Celanese Corporation of America. 442,884, June 14; Serial No. 505,556, published Feb. 8, 1949.
Envelopes, Paper. Howard Paper Mills, Inc. 510,853, June 14; Serial No. 530,000, published Mar. 1, 1949.
Forms, Printed manifold. American Register Company. 511,085, June 14; Serial No. 501,354.
Glassine, Special flexible transparent. Daniels Manufacturing Company. 510,890, June 14; Serial No. 535,830, published Mar. 8, 1949.
Lead-pencils, pencil-lengtheners, pencil-erasers, and penholders. Eberhard Faber. 137,216, Nov. 23, 1920. Republished June 14.
Napkins and handkerchiefs, Paper. The Tissue Company. 285,296, July 21, 1931. Republished June 14.
Napkins, Embossed paper. The Tissue Company. 416,815, Oct. 2, 1945. Republished June 14.
Napkins, Paper. Erving Paper Mills. 510,966, June 14; Serial No. 546,475, published Mar. 1, 1949.
Napkins, Paper. Fort Howard Paper Company. 510,959, June 14; Serial No. 546,213, published Mar. 1, 1949.
Napkins, Paper. The Tissue Company. 196,826, Mar. 31, 1925. Republished June 14.
Napkins, Paper. The Tissue Company. 409,176, Sept. 19, 1944. Republished June 14.
Napkins, Paper, paper towels, and toilet tissue. Erving Paper Mills. 510,965, June 14; Serial No. 546,474, published Mar. 1, 1949.
Pads, Fashion figure drawing. W. L. Oldroyd. 511,087, June 14; Serial No. 506,954.
Paper, Air mail writing, and envelopes. Avrick Paper Company. 510,968, June 14; Serial No. 546,641, published Jan. 4, 1949.
Paper, Bond. Bradner Smith & Company. 511,111, June 14; Serial No. 555,865.
Paper, Bond, ledger paper, and paper envelopes. Howard Paper Mills, Inc. 510,852, June 14; Serial No. 529,994, published Mar. 8, 1949.
Paper, Bond, ledger, writing, etc., boxed stationery, tablets, etc. Neenah Paper Company. 510,933, June 14; Serial No. 542,864, published Mar. 1, 1949.
Paper, Crepe. C. A. Reed Company. 510,850–1, June 14; Serial No. 529,297, published Feb. 15, 1949.
Paper, Crepe. The Tissue Company. 166,942, Apr. 17, 1923. Republished June 14.
Paper, Drawing, tracing papers, ruled paper, etc. Dieterich-Post Company. 510,916, June 14; Serial No. 538,617, published Mar. 1, 1949.
Paper in the sheet and in the roll. Aldine Paper Company, Inc. 510,986, June 14; Serial No. 549,213, published Mar. 1, 1949.
Paper, Toilet, paper towels, and paper napkins. White-Washburne Company, Inc. 249,780–1, Nov. 20, 1928. Republished June 14.
Paper, Writing and printing. P. H. Glatfelter Company. 510,989, June 14; Serial No. 549,653, published Mar. 8, 1949.
Paper, Writing and printing, and mailing envelopes. Hampshire Paper Company. 203,591, Sept. 22, 1925. Republished June 14.
Paper, Writing, typewriter, and printing. Valley Paper Company. 510,845, June 14; Serial No. 527,650, published Feb. 8, 1949.
Papers, Bond, printing papers, book papers, etc. Bulkley, Dunton & Co., Incorporated. 442,898, June 14; Serial No. 523,946, published Jan. 6, 1948.
Papers, Sheet. Swigart Paper Company. 510,893, June 14; Serial No. 536,013, published Mar. 1, 1949.
Pencils, Black lead and copying. Richard Best Pencil Company, Inc. 510,909, June 14; Serial No. 537,970, published Feb. 15, 1949.
Pencils, Lead. American Lead Pencil Company. 510,936, June 14; Serial No. 546,084, published Mar. 8, 1949.
Pencils, Lead. Richard Best Pencil Company, Inc. 510,908, June 14; Serial No. 537,968, published Feb. 22, 1949.
Pencils, Lead. Joseph Dixon Crucible Company. 510,971, June 14; Serial No. 547,522, published Feb. 8, 1949.
Pencils, Lead. Joseph Dixon Crucible Company. 510,972, June 14; Serial No. 547,526, published Feb. 8, 1949.
Pencils, Lead. Joseph Dixon Crucible Company. 510,973, June 14; Serial No. 547,529, published Feb. 15, 1949.
Pencils, Lead, colored and copying pencils, etc. Eberhard Faber Pencil Company. 342,467, Jan. 19, 1937. Republished June 14.
Pencils, Mechanical. Brown & Bigelow. 510,975, June 14; Serial No. 547,013, published Mar. 8, 1949.
Pencils, Water soluble colored indelible. Joseph Dixon Crucible Company. 510,970, June 14; Serial No. 547,521, published Feb. 8, 1949.
Pens, Fountain, ball pens, and mechanical pencils. Everlast Pen Corporation. 510,849, June 14; Serial No. 528,711, published Feb. 8, 1949.
Spindles Filing. Pilot Distributing Company. 510,949, June 14; Serial No. 543,532, published Feb. 8, 1949.
Tissue, Toilet paper. Wortendyke Manufacturing Company. 510,955, June 14; Serial No. 546,076, published Mar. 1, 1949.
Tissues, Facial. Sitroux, Inc. 435 956, Jan. 20, 1948. Republished June 14.
Towels, Paper. Northern Paper Mills. 261,341 renewed Sept. 17, 1949. O. G. June 14.
Wrapping paper, Butchers'. The Chatfield Paper Corporation. 285,298, July 21, 1931. Republished June 14.

CLASS 38

Advertising, Feature. W. G. Grayell. 510,983, June 14; Serial No. 548,497, published Mar. 1, 1949.
Books. The New American Library of World Litecature, Inc. 510,998, June 14; Serial No. 550 817, published Mar. 8, 1949.
Cards, Greeting, and printed seals. Attleboro Printing & Embossing Co., Inc. 510,993, June 14; Serial No. 550,292, published Mar. 8, 1949.
Magazine. Bemis Bro. Bag Company. 510,838, June 14; Serial No. 526,876 published Mar. 8, 1949.
Magazine. Hearst Magazines Inc. 419 059, Feb. 26, 1946. Republished June 14.
Magazine. Ziff-Davis Publishing Company. 511,026–7, June 14; Serial No. 555,218–19, published Mar. 8, 1949.
Magazine, House-organ. Ralston Purina Company. 511,011, June 14; Serial No. 552,710, published Mar. 1, 1949.
Magazine, Illustrated. Goodman Manufacturing Company. 510 997, June 14; Serial No. 550,686, published Mar. 8, 1949.
Maps and atlases. American Map Company, Inc. 510,897, June 14; Serial No. 536,983, published Mar. 1, 1949.
Periodical. Richard Hudnut. 511,005, June 14; Serial No. 552,145, published Mar. 8, 1949.
Periodical. The Register and Tribune Company. 217,491, Aug. 31, 1926. Republished June 14.
Periodical. Shipping Digest, Inc. 511,024, June 14; Serial No. 555,019, published Mar. 8, 1949.
Periodical, Organisation. National Congress of Colored Parents and Teachers. 511,032, June 14; Serial No. 556,348, published Mar. 8, 1949.
Picture section of a newspaper. The Register and Tribune Company. 344,017, Mar. 9, 1937. Republished June 14.
Publication, Monthly. American Press Association. 511,023, June 14; Serial No. 554,941, published Mar. 8, 1949.
Publication, Periodic. W. L. Handley. 511,010, June 14; Serial No. 553,366, published Mar. 1, 1949.
Publication, Periodical. National Geographic Society. 261,240, renewed Sept. 10, 1949. O. G. June 14.
Publication, Periodical. Whitman Publishing Company. 384,069, Jan. 7, 1941. Republished June 14.
Publications, Periodical. M. Hancock. 511,019, June 14; Serial No. 554,376, published Mar. 8, 1949.
Publications, Sales promotional. Panther Oil & Grease Mfg. Co. 510,999, June 14; Serial No. 551,306, published Mar. 8, 1949.
Publications, Trade. M. Halper. 511,025, June 14; Serial No. 555,175, published Mar. 8, 1949.
Title for newspaper items. The Register and Tribune Company. 214,145, June 15, 1926. Republished June 14.
Trade-journal. Syndicate Store Merchandiser, Inc. 511,112, June 14; Serial No. 558,326.

CLASS 39

Bathing suits. The Pique Hosiery Co. 261,749, Sept. 24, 1929. New certificate. O. G. June 14.
Boots and shoes, Leather. J. S. Coward. 73,661, renewed May 11, 1949. O. G. June 14.
Boots and shoes, Rubber. Hood Rubber Co. 74,501, renewed July 20, 1949. G. G. June 14.
Boots and shoes, Rubber, rubber overshoes, rubber-soled canvas shoes. Hood Rubber Company. 260,854, renewed Aug. 27, 1949. O. G. June 14.
Chokers, neckpieces, capes, etc., Women's, misses', and children's. Alaska Fur Company. 217,776, Sept. 7, 1926. Repnblished June 14.

Clothing, Oiled. Ferguson Waterproof Co. 75,365, renewed Sept. 28, 1949. O. G. June 14.
Coats, suits, Girls', misses', and ladies'. Haruth Stores, Inc. 427,077, Jan. 28, 1947. Republished June 14.
Coats, suits, jackets, and skirts, Ladies' and misses'. Towncliffe, Inc. 404,944, Dec. 28, 1943. Republished June 14.
Creepers, Girls'; girls', misses', and women's dresses and ensemble suits, etc. Markon Garment Co., Inc. 261,207, renewed Sept. 10, 1949. O. G. June 14.
Dresses, Children's. Elnburn Brothers. 255,024, renewed Apr. 9, 1949. O. G. June 14.
Gloves and mittens. Des Moines Glove & Mfg. Company, Inc. 399,196, Dec. 22, 1942. Republished June 14.
Gloves, Ladies'. Ireland Bros. 372,604, Nov. 7, 1939. Republished June 14.
Gloves, Work. Wells Lamont Corporation. 436,862, Mar. 2, 1948. Republished June 14.
Hair nets. Marshall Field & Company. 82,316, June 20, 1911. Republished June 14.
Hair nets. Sitroux, Inc. 425,835, Dec. 3, 1946. Republished June 14.
Hats for men and women. Hat Corporation of America. 324,210, May 14, 1935. Republished June 14.
Hosiery. Bear Brand Hosiery Co. 277,808, Nov. 25, 1930. Republished June 14.
Hosiery. Chandler Boot Shops. 228,068, May 24, 1927. Republished June 14.
Hosiery. The Coward Shoe, Inc. 312,916, May 15, 1934. Republished June 14.
Knit goods. Eagle Knitting Mills. 225,626, Mar. 22, 1927. Republished June 14.
Panties, night gowns, slips, bandeaux, and pajamas, Ladies'. Lingerie, Inc. 511,102, June 14; Serial No. 534,293.
Plates or pads, India rubber. Phillips' Patents Limited. 237,533, Jan. 10, 1928. Republished June 14.
Raincoats. Plottel Brothers. 339,261, Sept. 29, 1936. Republished Juue 14.
Raincoats, sport suits and coats, suits, etc. Plottel Brothers. 318,319, Oct. 23, 1934. Republished June 14.
Raincoats, sport coats, sailing suits, etc., Waterproof, processed, rubberized, and showerproof. Plottel Brothers. 356,245, Apr. 19, 1938. Republished June 14.
Shirts, Men's dress. The Burkhardt Bros. Co. 260,069–70, renewed Aug. 13, 1949. O. G. June 14.
Shoes. Farr Bros. Co. 247,187, Sept. 25, 1928. Republished June 14.
Shoes. Well, Streeter & Doyle Co. 180,052, Feb. 19, 1924. Republished June 14.
Shoes constructed of leather. F. G. Delbon. 253,836, renewed Mar. 5, 1949. O. G. June 14.
Shoes, Leather. Weyenberg Shoe Manufacturing Company. 260,274, renewed Aug. 20, 1949. O. G. June 14.
Shoes, Women's. The Strouss-Hirshberg Company. 345,010, Apr. 13, 1937. Republished June 14.
Slippers. Holiday Casuals. 418,707, Jan. 8, 1946. Republished June 14.
Suits and coats for men and boys, dresses and coats for women, etc. National Department Stores Inc. 246,327, renewed Sept. 4, 1948. O. G. June 14.
Suits and overcoats, Men's, youths', boys', and children's cloth outer. M. Wile & Co. 107,032, Nov. 9, 1915. Republished June 14.
Suits, pants thereof, and overcoats, Men's, youths', boys', and children's cloth outer. M. Wile & Co. 113,466, Oct. 17, 1916. Republished June 14.
Suits, top coats, overcoats, sport coats, etc., Men's and young men's. Timely Clothes, Inc. 440,242, Aug. 17, 1948. Republished June 14.
Topcoats and overcoats, Men's and boys'. Levy Bros. & Adler Rochester, Inc. 331,222, Dec. 31, 1935. Republished June 14.
Undergarments, Ladies' silk. Worth Undergarment Co. 354,047, Feb. 1, 1938. Republished June 14.
Underwear and pajamas, Men's. Phillips-Jones Corporation. 257,216, renewed June 4, 1949. O. G. June 14.
Underwear, knit or woven, and hosiery. The Munsingwear Corporation. 169,038, June 5, 1923. Republished June 14.

CLASS 40

Bodkins and hand sewing-needles. Morrall, Abel, Limited. 58,461, re-renewed Dec. 18, 1948. O. G. June 14.
Braids, Millinery. Schwab, Armand, & Co., Inc. 511,044, June 14; Serial No. 558,742, published Mar. 8, 1949.
Combs and coiffure combs. Diadem, Inc. 510,953, June 14; Serial No. 545,964, published Mar. 1, 1949.
Curlers, Hair, eyelash curlers, and refills for eyelash curlers. Curvex Corporation. 511,029, June 14; Serial No. 555,596, published Jan. 18, 1949.
Gripe in the nature of buckles. A. Stein & Company. 511,013, June 14; Serial No. 552,893, published Mar. 1, 1949.
Hooks, Crochet, and knitting needles. C. J. Bates & Son. 511,009, June 14; Serial No. 552,333, published Mar. 1, 1949.
Kits, Sewing, art needlework implements and accessories. C. J. Bates & Son. 511,008, June 14; Serial No. 552,332, published Mar. 1, 1949.
Laces, Shoe. H. B. Laymon. 510,924, June 14; Serial No. 541,553, published Mar. 1, 1949.
Laces, Shoe. C. P. Schaeffer. 511,050, June 14; Serial No. 560,050, published Jan. 25, 1949.
Lacings, Shoe, corset lacings, underwear lacings, etc. International Braid Company. 252,016, Jan. 22, 1929. Republished June 14.
Needles: crochet hooks and knitting needles, etc. T. Buettner & Co., Inc. 510,905, June 14; Serial No. 537,545, published Feb. 8, 1949.
Pads, Shoulder. E. Darwin. 511,001, June 14; Serial No. 551,699, published Jan. 18, 1949.
Patches, Quilt. Miller Brothers Company. 510,883, June 14; Serial No. 535,064, published Feb. 1, 1949.
Pins, Knitting. The Boye Needle Company. 510,995, June 14; Serial No. 550,578, published Mar. 1, 1949.
Pins, Safety. Stork Pins Company. 511,043, June 14; Serial No. 558,324, published Mar. 8, 1949.
Rollers, Hair. Ben-Hur Products, Inc. 510,926, June 14; Serial No 541,913, published Feb. 8, 1949.
Ruffings, novelty trimmings, and shirt facings. H. Planer & Son. 511,045, June 14; Serial No. 559,014, published Jan. 18, 1949.
Shields, Dress. Rand Rubber Company, Inc. 510,950, June 14; Serial No. 545,645, published Mar. 1, 1949.
Thongs, shoe and skate laces, White leather. California Tanning Company. 511,040, June 14; Serial No. 558,214, published Mar. 8, 1949.

CLASS 41

Canes and umbrellas. B. Altman & Co. 511,062, June 14; Serial No. 570,179, published Feb. 22, 1949.
Umbrellas. Folan, Kate & Company, Inc. 510,958, June 14; Serial No. 540,153, published Mar. 1, 1949.

CLASS 42

Cloth, Non-woven. Essential Products, Inc. 511,034, June 14; Serial No. 556,787, published Feb. 8, 1949.
Drills and twills in the piece, Cotton. H. W. Schwab Textile Corp. 511,058, June 14; Serial No. 563,012, published Mar. 1, 1949.
Fabric, Coated. Textileather Corporation. 250,218, Dec. 4, 1928. Republished June 14.
Fabric in the piece. Charmette Fabrics Company, Inc. 510,904, June 14; Serial No. 550,467, published Mar. 1, 1949.
Fabric, Wide elastic. United States Rubber Company. 510,832, June 14; Serial No. 522,048, published Feb. 8, 1949.
Fabrics, Cotton and rayon. P. S. Schwarz. 511,054, June 14; Serial No. 561,775, published Feb. 22, 1949.
Fabrics in the greige, Rayon, cotton, and wool. Saer Plan, Inc. 511,068, June 14; Serial No. 511,701.
Fabrics in the piece, Coated and uncoated. Barret Textile Corporation. 510,977, June 14; Serial No. 547,819, published Mar. 1, 1949.
Fabrics in the piece, Cotton, rayon, and silk. A. L. Helwith. 345,836, May 11, 1937. Republished June 14.
Fabrics in the piece, etc., Cotton, cotton and silk, and cotton and artificial silk. Witcombe, McGeachin & Co. 160,745, Oct. 24, 1922. Republished June 14.
Fabrics in the piece, Knitted, netted, and textile. Algemeene Kunstzijde Unie, N. V. 442,899, June 14; Serial No. 524,039, published Feb. 15, 1949.
Fabrics in the piece, Silk. Onondaga Silk Company, Inc. 510,922, June 14; Serial No. 541,171, published Mar. 1, 1949.
Fabrics, Jute and cotton. John Flocker and Company. 510,844, June 14; Serial No. 527,616, published Mar. 1, 1949.
Fabrics, Uniform. H. W. Schwab Textile Corp. 511,059, June 14; Serial No. 563,013, published Mar. 1, 1949.
Film sold as piece goods, Thin plastic. The National Plastic Products Co. 510,828, June 14; Serial No. 516,032, published Mar. 1, 1949.
Goods in piece, Cotton. The Eddystone Manufacturing Company. 73,440, re-renewed Apr. 20, 1949. O. G. June 14.
Jerseys in the piece, Tricot knit. Charmette Fabrics Company, Inc. 442,896, June 14; Serial No. 522,727, published Feb. 22, 1949.
Laces and embroideries. Forster Willi & Co. 510,875, June 14; Serial No. 534,102, published Feb. 8, 1949.
Piece goods. American Woolen Company. 511,055, June 14; Serial No. 562,519, published Mar. 1, 1949.
Piece goods. L. Bach. 148,638, Nov. 22, 1921. Republished June 14.
Piece goods. Lesem Bach & Co. Inc. 401,894, June 15, 1943. Republished June 14.
Piece goods. R. Brenner. 511,035, June 14; Serial No. 557,175, published Feb. 22, 1949.
Piece goods. William Pickles & Company Limited. 510,976, June 14; Serial No. 547,682, published Mar. 1, 1949.
Piece goods, Cotton. Henry Glass & Co. 261,241, renewed Sept. 10, 1949. O. G. June 14.
Piece goods, Cotton. Pepperell Manufacturing Company. 511,053, June 14; Serial No. 558,470, published Feb. 8, 1949.
Piece goods, Metallised textile. Callender-Suchy Developments Limited. 442,886, June 14; Serial No. 506,155, published Mar. 1, 1949.
Piece goods, Rayon. J. Gluck. 417,133, Oct. 16, 1945. Republished June 14.

Piece goods, Rayon. Ponemah Mills. 510,856, June 14; Serial No. 530,956, published Feb. 8, 1949.
Piece goods, Woolen. H. W. Schwab Textile Corp. 511,057, June 14; Serial No. 563,011, published Mar. 1, 1949.
Piece goods, Worsted. Guerin Mills Inc. 510,902, June 14; Serial No. 537,311, published Feb. 8, 1949.
Sheeting, sheets, and pillow cases. Hesslein & Co., Inc. 442,867, June 14; Serial No. 508,222, published Mar. 1, 1949.
Sheetings, Cotton. Columbus Manufacturing Co. 510,929, June 14; Serial No. 542,224, published Mar. 1, 1949.
Sheetings, sheets, pillowcases, bed spreads, and cotton piece goods. Carter Dry Goods Company. 312,302, Apr. 24, 1934. Republished June 14.
Sheets and pillow cases. Pacific Mills. 510,978, June 14; Serial No. 547,870, published Mar. 1, 1949.
Textile fabrics in the piece. Daniel's Inc. 510,898, June 14; Serial No. 537,010, published Mar. 1, 1949.
Tickings, ready-made pillow ticks. Levinsohn Textile Co. 442,876, June 14; Serial No. 490,395, published Feb. 15, 1949.
Towels, Bath. H. W. Baker Linen Company. 510,890, June 14; Serial No. 549,880, published Feb. 8, 1949.

CLASS 43

Wools, Knitting. James Templeton & Son Limited. 510,820, June 14; Serial No. 491,685, published Mar. 1, 1949.
Yarn. The American Thread Company. 511,046, June 14; Serial No. 559,266, published Feb. 1, 1949.
Yarn, Cotton. American Yarn and Processing Company. 511,053, June 14; Serial No. 561,178, published Feb. 8, 1949.
Yarn, Rayon. The Viscose Company. 257,739, renewed June 18, 1949. O. G. June 14.
Yarns, Art needlework. Bernhard Ulmann Co., Inc. 511,052, June 14; Serial No. 560,667, published Feb. 8, 1949.

CLASS 44

Burrs, Dental, dental arms, dental motors, etc. Meisinger Company. 510,891, June 14; Serial No. 535,859, published Feb. 22, 1949.
Denture material, Acrylic. Myerson Tooth Corporation. 510,932, June 14; Serial No. 542,778, published Feb. 8, 1949.
Finger holder for manicuring purposes. The Bow Corporation. 510,943, June 14; Serial No. 543,877, published Feb. 8, 1949.
Hearing aids, Electrical. Dictograph Products Company, Inc. 511,031, June 14; Serial No. 555,995, published Feb. 22, 1949.
Holders for babies' nursing bottles. F. Pettit. 510,910, June 14; Serial No. 538,037, published Feb. 22, 1949.
Hot water bottles, Baby, breast pumps, bulb syringes, etc. The Faultless Rubber Company. 510,885, June 14; Serial No. 532,128, published Feb. 8, 1949.
Nail files. A. Silverman. 510,885, June 14; Serial No. 535,266, published Feb. 22, 1949.
Nipples, Rubber nursing. The Pyramid Rubber Specialty Company. 198,338, May 12, 1925. Republished June 14.
Supports, Instep-arch. The Scholl Manufacturing Company, Inc. 117,207, June 19, 1917. Republished June 14.
Surgical dressing and sponges. Johnson & Johnson. 405,362, Jan. 25, 1944. Republished June 14.
Surgical dressing, Protective. Johnson & Johnson. 194,128, Jan. 13, 1925. Republished June 14.
Tampons. The Personal Products Corporation. 407,150, May 23, 1944. Republished June 14.
Therapeutic lamps. California Therapy Equipment, Inc. 511,093, June 14; Serial No. 518,386.

CLASS 45

Beverages, Maltless, nonalcoholic, carbonated, and ingredients for making the same. Pee Dee Bottling Company. 252,535, Feb. 12, 1929. Republished June 14.

CLASS 46

Alimentary pasts products. The Pfaffman Egg Noodle Company. 249,310, Nov. 13, 1928. Republished June 14.
Alimentary paste products. The Pfaffman Egg Noodle Company. 269,404, Apr. 8, 1930. Republished June 14.
Apples, Boxed. The Winthrop Orchards, Inc. 186,990, Nov. 9, 1920. Republished June 14.
Apricots, peaches, Brussels sprouts, and cauliflower. Frozen. Stokely-Van Camp, Inc. 442,874, June 14; Serial No. 484,602, published Mar. 1, 1949.
Bacon. The William Davies Company, Limited. 128,967, Jan. 20, 1920. Republished June 14.
Beef, Dried sliced, breakfast wheat, corn meal, rolled oats, etc. Tolerton & Warfield Co. 165,112, Mar. 6, 1923. Republished June 14.
Bread. Gordon-Pagel Company. 232,388, Sept. 6, 1927. Republished June 14.
Cachous. American Chicle Company. 366,685, Apr. 25, 1939. Republished June 14.
Candies. Norris Incorporated. 430,783, June 24, 1947. Republished June 14.
Candy. Norris Incorporated. 219,556, Oct. 19, 1926. Republished June 14.
Candy. Norris Incorporated. 279,906, Feb. 3, 1931. Republished June 14.
Candy, candied pop corn, buttered pop corn, etc. Patsy's Candies, Inc. 247,115, Sept. 18, 1928. Republished June 14.
Candy, Chocolate. The Stern & Saalberg Company. 75,218, re-renewed Sept. 14, 1949. O. G. June 14.
Candy, cocoa, chocolate; chocolate-coated biscuits, cakes, and crackers, etc. Cadbury Brothers, Limited. 265,735, renewed Apr. 30, 1949. O. G. June 14.
Canned citrus fruits and canned citrus juices. L. Maxcy, Inc. 510,836, June 14; Serial No. 523,405, published Mar. 8, 1949.
Canned corn and canned peaches. Clover Farm Stores Corporation. 314,869, July 10, 1934. Republished June 14.
Canned foods for dogs, cats, and other carnivorous animals. Republic Food Products Co. 511,100, June 14; Serial No. 530,765.
Canned fruits and canned vegetables. Clover Farm Stores Corporation. 319,013, Nov. 13, 1934. Republished June 14.
Canned fruits, canned vegetables, catsup, etc. Nash-Finch Company. 372,331, Oct. 31, 1939. Republished June 14.
Canned goods. Workman Packing Company. 510,842, June 14; Serial No. 527,175, published Mar. 8, 1949.
Canned meat product. Foodland, Inc. 387,850, June 3, 1941. Republished June 14.
Canned olives. Lindsay Ripe Olive Company. 260,284, renewed Aug. 20, 1949. O. G. June 14.
Canned salmon. George W. Sanborn, & Son. 93,118, Aug. 19, 1913. Republished June 14.
Canned salmon, canned fruits and vegetables, mustard, etc. Foodland, Inc. 326,478, July 23, 1935. Republished June 14.
Canned vegetables. The Sears & Nichols Corporation. 260,138, renewed Aug. 20, 1949. O. G. June 14.
Canned vegetables and canned fruits. Green Mountain Packing Co., Inc. 399,105, Dec. 15, 1942. Republished June 14.
Canned vegetables and frozen vegetables. Eastern Shore Canning Co., Inc. 342,331, Jan. 12, 1937. Republished June 14.
Canned vegetables, canned fruit, canned fish, etc. Greenspan Brothers Company. 294,046, May 17, 1932. Republished June 14.
Canned vegetables, tomato paste, and olive oil. Scully's Imperial Importing Co. 511,097, June 14; Serial No. 523,621.
Chewing gum. American Chicle Company. 260,706, renewed Aug. 27, 1949. O. G. June 14.
Chewing gum. Chicles "Atlas," S. A. 436,869, Mar. 2, 1948. Republished June 14.
Chocolate, Baking. Rockwood & Co. 442,873, June 14; Serial No. 470,584, published Mar. 1, 1949.
Coffee, Roasted. The Oliver-Finnie Grocer Company. 33,033, re-renewed June 6, 1949. O. G. June 14.
Coffee, tea, and fruit, etc. Wing Hing Company. 252,942, Feb. 19, 1929. Republished June 14.
Cookies. Spurgeon Brothers Bakery, Inc. 511,109, June 14; Serial No. 544,786.
Crackers. Worts Biscuit Company. 511,104, June 14; Serial No. 538,216.
Feeds, Livestock and dairy. Dixie Mills Company. 387,301, May 13, 1941. Republished June 14.
Flavoring extracts, Food. Davis Manufacturing Company. 217,117, Aug. 24, 1926. Republished June 14.
Flavoring, Food. Greever-Lotspeich Mfg. Co. 229,736, July 5, 1927. Republished June 14.
Flour, Cake. The Colorado Milling & Elevator Co. 296,095, Oct. 11, 1932. Republished June 14.
Flour, Self-rising. The Colorado Milling & Elevator Co. 278,011, Dec. 2, 1930. Republished June 14.
Flour, Self-rising. The Colorado Milling & Elevator Co. 291,785, Feb. 23, 1932. Republished June 14.
Flour, Self rising wheat. The Crescent Mill & Elevator Co. 101,566, Dec. 29, 1914. Republished June 14.
Flour, Self-rising wheat. E. Gilster. 102,941, Mar. 2, 1915. Republished June 14.
Flour, Self-rising wheat. The Model Milling & Elevator Company. 117,578, July 17, 1917. Republished June 14.
Flour, Self-rising wheat. The Twin Falls Milling & Elevator Co. 109,621, Apr. 11, 1916. Republished June 14.
Flour, Wheat. The Caldwell Milling & Elevator Company. 82,047, May 30, 1911. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 119,044–5, Oct. 23, 1917. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 119,947, Dec. 25, 1917. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 120,843, Mar. 12, 1918. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 121,266, Apr. 23, 1918. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 122,443, Aug. 20, 1918. Republished June 14.
Flour, Wheat. Colorado Milling & Elevator Company. 123,569, Nov. 19, 1918. Republished June 14.

Flour, Wheat. The Colorado Milling & Elevator Co. 124,682, Mar. 11, 1919. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 131,433, May 18, 1920. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 134,229, Aug. 24, 1920. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 145,636, Aug. 16, 1921. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 151,715, Feb. 14, 1922. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 167,267, Apr. 24, 1923. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 170,844, July 24, 1923. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 181,764, Mar. 25, 1924. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 182,151, Apr. 1, 1924. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 187,185, July 29, 1924. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 192,797, Dec. 9, 1924. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 202,936, Sept. 8, 1925. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 209,021, Feb. 16, 1926. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 218,920, Oct. 5, 1926. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 219,296, Oct. 12, 1926. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 219,449, Oct. 19, 1926. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 222,266, Dec. 28, 1926. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 232,260, Sept. 6, 1927. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 232,421, Sept. 6, 1927. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 233,399, Sept. 27, 1927. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 240,223, Mar. 20, 1928. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 241,852, May 8, 1928. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 262,608, Oct. 16, 1929. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 264,805, Nov. 26, 1929. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 278,521, Dec. 23, 1930. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 282,029, Apr. 7, 1931. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 313,091–2, May 15, 1934. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 320,448, Jan. 1, 1935. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 324,749, May 28, 1935. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 328,980, Oct. 15, 1935. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 338,780, Sept. 15, 1936. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 369,724, Aug. 1, 1939. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 381,452, Sept. 24, 1940. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 394,571, Apr. 14, 1942. Republished June 14.
Flour, Wheat. The Colorado Milling & Elevator Co. 434,587, Nov. 25, 1947. Republished June 14.
Flour, Wheat. Commander Milling Company. 253,860, Mar. 5, 1929. Republished June 14.
Flour, Wheat. Crescent Mill & Elevator Company. 45,561, Aug. 22, 1905. Republished June 14.
Flour, Wheat. The Crescent Mill & Elevator Co. 99,564, Sept. 8, 1914. Republished June 14.
Flour, Wheat. The Eaton Milling & Elevator Co. 82,771, July 25, 1911. Republished June 14.
Flour, Wheat. The Eaton Milling & Elevator Co. 85,002, Jan. 30, 1912. Republished June 14.
Flour, Wheat. The Farmers Milling & Mercantile Company. 79,478, Sept. 13, 1910. Republished June 14.
Flour, Wheat. The Hays City Milling & Elevator Company. 105,590, Aug. 10, 1915. Republished June 14.
Flour, Wheat. The Hays City Milling and Elevator Company. 106,602, Oct. 26, 1915. Republished June 14.
Flour, Wheat. The C. Hoffman & Son Milling Company. 70,518, Sept. 8, 1908. Republished June 14.
Flour, Wheat. The Hungarian Milling & Elevator Company. 45,493, Aug. 22, 1905. Republished June 14.
Flour, Wheat. The Hungarian Milling & Elevator Company. 45,499, Aug. 22, 1905. Republished June 14.
Flour, Wheat. The Husler Milling & Elevator Company. 90,335, Feb. 18, 1913. Republished June 14.
Flour, Wheat. The Kansas Mill & Elevator Company. 246,931, Sept. 18, 1928. Republished June 14.
Flour, Wheat. The Longmont Farmers Milling & Elevator Co. 57,598, Nov. 18, 1906. Republished June 14.
Flour, Wheat. The Loveland Milling & Elevator Company. 110,135, May 2, 1916. Republished June 14.
Flour, Wheat. John F. Meyer & Sons Milling Co. 51,794–5, Apr. 24, 1906. Republished June 14.
Flour, Wheat. John F. Meyer & Sons Milling Co. 54,516, June 26, 1906. Republished June 14.
Flour, Wheat. John F. Meyer & Sons Milling Co. 57,506, Nov. 13, 1906. Republished June 14.
Flour, Wheat. The Model Milling & Elevator Company. 78,191, May 31, 1910. Republished June 14.
Flour, Wheat. The Model Milling & Elevator Company. 78,261, May 31, 1910. Republished June 14.
Flour, Wheat. The Model Milling & Elevator Company. 117,576–7, July 17, 1917. Republished June 14.
Flour, Wheat. Nebraska Consolidated Mills Company. 510,866, June 14; Serial No. 533,194, published Mar. 1, 1949.
Flour, Wheat. Holland O'Neal Milling Co. 167,140, Apr. 24, 1923. Republished June 14.
Flour, Wheat. The Pocatello Flour Mills Company. 203,967, Sept. 29, 1925. Republished June 14.
Flour, Wheat. The St. Anthony Milling & Elevator Company. 111,291, July 4, 1916. Republished June 14.
Flour, Wheat. The Twin Falls Milling & Elevator Co. 85,695, Mar. 5, 1912. Republished June 14.
Flour, Wheat. The Twin Falls Milling & Elevator Co. 85,778, Mar. 12, 1912. Republished June 14.
Flour, Wheat. The Wilson Milling & Elevator Co. 109,623–4, Apr. 11, 1916. Republished June 14.
Flour, Wheat, coffee, evaporated milk, etc. Foodland, Inc. 326,832, Aug. 6, 1935. Republished June 14.
Flours, Processed. Superior Brands Inc. 365,613, Mar. 14, 1939. Republished June 14.
Food, Dog. Dixie Mills Company. 379,980, Aug. 6, 1940. Republished June 14.
Fruit, Fresh citrus. Central Lemon Association. 210,679, Mar. 23, 1926. Republished June 14.
Fruit, Fresh citrus. Chula Vista Citrus Association. 251,868, Jan. 15, 1929. Republished June 14.
Fruit, Fresh citrus. Citrus Fruit Association of Ontario. 237,454, Jan. 10, 1928. Republished June 14.
Fruit, Fresh citrus. Citrus Fruit Association of Ontario. 249,130, Nov. 6, 1928. Republished June 14.
Fruits, Fresh citrus. Carpinteria Mutual Citrus Association. 260,997, renewed Sept. 3, 1949. O. G. June 14.
Fruits, Fresh citrus. Central Lemon Association. 205,952, Nov. 17, 1925. Republished June 14.
Fruits, Fresh citrus. Central Lemon Association. 207,333, Dec. 29, 1925. Republished June 14.
Fruits, Fresh citrus. Covina Citrus Association. 205,956, Nov. 17, 1925. Republished June 14.
Fruits, Fresh citrus. La Verne Orange Association. 229,624, July 5, 1927. Republished June 14.
Fruits, Fresh citrus. La Verne Orange Association. 229,737, July 5, 1927. Republished June 14.
Fruits, Fresh citrus. La Verne Orange Association. 234,348, Oct. 25, 1927. Republished June 14.
Fruits, Fresh citrus. Leffingwell Rancho Lemon Association. 260,329–30, renewed Aug. 20, 1949. O. G. June 14.
Fruits, Fresh citrus. Mountain View Fruit Association. 209,191, Feb. 16, 1926. Republished June 14.
Fruits, Fresh citrus. Pomona Fruit Growers Exchange. 257,465, June 11, 1929. Republished June 14.
Fruits, Fresh citrus. Redlands Foothill Groves. 302,675, Apr. 25, 1933. Republished June 14.
Fruits, Fresh citrus. Rio Grande Valley Citrus Growers Association. 226,109–10, Mar. 29, 1927. Republished June 14.
Fruits, Fresh citrus. The Umatilla Fruit Company. 226,970, Apr. 26, 1927. Republished June 14.
Fruits, Fresh citrus. West Ontario Citrus Association. 232,004, Aug. 30, 1927. Republished June 14.
Fruits, Fresh citrus. Whittier Citrus Association. 126,807–8, Sept. 30, 1919. Republished June 14.
Fruits, Fresh citrus. Whittier Citrus Association. 128,577, Jan. 6, 1920. Republished June 14.
Fruits, Fresh citrus. Whittier Citrus Association. 145,489, Aug. 2, 1921. Republished June 14.
Fruits, Fresh deciduous. E. B. Wood. 435,721, Jan. 6, 1948. Republished June 14.
Fruits, Stuffed and glacé, and candied nuts. L. Georgiades. 260,225, renewed Aug. 20, 1949. O. G. June 14.
Grains, Dried. Valentin Blatz Brewing Company. 222,218, Dec. 28, 1926. Republished June 14.
Ice cream. Abbotts Alderney Dairies, Inc. 225,481, renewed Mar. 22, 1947. O. G. June 14.
Juice, Onion, garlic flavor, table syrups, etc. Giroux Company, Inc. 510,873, June 14; Serial No. 533,879, published Mar. 1, 1949.
Lard, luncheon meat, chopped pressed boneless ham, etc. The Sugardale Provision Company. 438,152, Apr. 13, 1948. Republished June 14.
Lard, oleo oils, poultry and stock feeds, etc. Consolidated Rendering Company. 256,553, May 21, 1929. Republished June 14.
Lime-juice. L. Rose & Company, Limited. 32,982, renewed May 30, 1949. O. G. June 14.
Macaroons. Perry H. Chipurnoi Inc. 510,881, June 14; Serial No. 534,744, published Mar. 1, 1949.
Meats, poultry, game, etc., Canned, preserved, and pickled. Richardson & Robbins Co. 71,412, Nov. 24, 1908. Republished June 14.
Meats, Smoked, cooked meats, smoked and fresh meats, etc. Rapid City Packing Company. 240,873, Nov. 20, 1926. Republished June 14.
Milk, Condensed. New York Condensed Milk Company. 32,258, re-renewed Dec. 20, 1948. O. G. June 14.

Oils of all kinds, Edible. S. A. Salgado y Compania, S. A., Union Commercial de Aceites. 250,871, renewed Dec. 18, 1948. O. G. June 14.

Olive oil, canned tomatoes, canned peas, etc. C. Daniele. 254,564, renewed Mar. 26, 1949. O. G. June 14.

Olives. Mawer-Guiden-Annis, Inc. 510,886, June 14; Serial No. 535,780, published Mar. 1, 1949.

Oranges, Fresh. Ball & Tweedy. 226,505, Apr. 19, 1927. Republished June 14.

Peas, Quick frozen fresh shelled blackeye, and canned fruits and vegetables, etc. Pan-Am Foods Inc. 510,927, June 14; Serial No. 541,955, published Mar. 1, 1949.

Pop corn, Candied. C. R. Osborn. 206,915, Nov. 17, 1925. Republished June 14.

Preparation in powdered form for making desserts and puddings. The Knoto Co. 257,301, renewed June 4, 1949. O. G. June 14.

Preserves, Fruit, canned fruits, olives, etc. Krasne Bros. 260,300, renewed Aug. 20, 1949. O. G. June 14.

Relish, Hot, sweet pickles, prepared mustard, etc. Roter Pickle and Canning Company. 254,448, renewed Mar. 26, 1949. O. G. June 14.

Salt. Myles Salt Company, Inc. 510,874, June 14; Serial No. 533,914, published Mar. 1, 1949.

Sandwiches, Chopped meat. Malt-A-Plenty, Inc. 511,091, June 14; Serial No. 515,968.

Sauce for cooking and flavoring. Societe Anonyme de la Benedictine, Distillerie de la Liquer de l'Ancienne Abbaye de Fecamp. 259,082, renewed July 23, 1949. O. G. June 14.

Sauce for cooking and flavoring. Societe Anonyme de la Benedictine, Distillerie de la Liquer de l'Ancienne Abbaye de Fecamp. 259,338-9, renewed July 30, 1949. O. G. June 14.

Sauce for cooking and flavoring. Societe Anonyme de la Benedictine, Distillerie de la Liquer de l'Ancienne Abbaye de Fecamp. 261,113, renewed Sept. 3, 1949. O. G. June 14.

Syrups, Food. W. B. Roddenbery. 206,256, Nov. 3, 1925. Republished June 14.

Table-salt, Compound. Worcester Salt Company, 74,100, re-renewed June 15, 1949. O. G. June 14.

Vegetables, Fresh. Salinas Marketing Cooperative. 510,880, June 14; Serial No. 534,676, published Mar. 1, 1949.

Vegetables, Fresh, and fresh fruits. Gulf Vegetable and Fruit Company, Inc. 279,234, Jan. 13, 1931. Republished June 14.

Wheat-flour. The Colorado Milling & Elevator Co. 146,208 Sept. 6, 1921. Republished June 14.

Wheat-flour. Dodge City Milling & Elevator Company, 71,289, Nov. 17, 1908. Republished June 14.

Wheat-flour. The Longmont Farmers Milling & Elevator Company. 70,733-4, Sept. 29, 1908. Republished June 14.

Wheat-flour. The Longmont Farmers Milling & Elevator Company. 70,797, Oct. 6, 1908. Republished June 14.

CLASS 47

Wine. Brookside Distilling Products Corporation. 440,115, Aug. 10, 1948. Republished June 14.

CLASS 48

Beer. N. V. Belersch-Biesbrouwerij "de Amstel." 307,419, Oct. 24, 1933. Republished June 14.

Beverage of legal alcoholic content and syrups and extracts for preparing the same, Cereal malt. Los Angeles Brewing Co. 261 001, renewed Sept. 3, 1949. O. G. June 14.

CLASS 50

Kit, Travelling. L. E. Goeller. 511,094, June 14; Serial No. 519,188.

Kits, Luminous paint. L. H. Kal. 511,086, June 14; Serial No. 504,981.

Materials sold as a unit. John R. Wald Company. 371,240, Sept. 19, 1939. Republished June 14.

CLASS 55

Advertising service. Welcome Wagon Service Company, Inc. 511,066, June 14; Serial No. 538,326, published Feb. 8, 1949.

Brokerage in insurance. W. A. Alexander & Co. 511,075, June 14; Serial No. 550,982, published Mar. 1, 1949.

Certified public accountancy, General practice of. Seidman & Seidman. 511,077, June 14; Serial No. 553,966, published Mar. 1, 1949.

Hotel management. Federal Underwriters. 511,063, June 14; Serial No. 526,995, published Feb. 22, 1949.

Insurance, Casualty, and fidelity and surety bonding. Lumbermen's Mutual Casualty Company. 511,069, June 14; Serial No. 543,504, published Mar. 15, 1949.

Insurance, Casualty, and fidelity and surety bonding. Lumbermen's Mutual Casualty Company. 511,070, June 14; Serial No. 543,948, published Mar. 15, 1949.

Insurance, Fire and marine. Northwestern Fire & Marine Insurance Company. 511,067, June 14; Serial No. 538,440, published Mar. 1, 1949.

Insurance, Fire extended coverage, windstorm, riot and civil commotion, etc. Northwestern Mutual Fire Association. 511,065, June 14; Serial No. 529,680, published Feb. 22, 1949.

Insurance services, Accident, health, and hospitalization. Continental Casualty Company. 511,076, June 14; Serial No. 552,016, published Mar. 8, 1949.

Processing service wherein fabrics are processed in accordance with instructions and the completed product returned to the owner. Cold Spring Bleachery. 511,071, June 14; Serial No. 544,057, published Mar. 1, 1949.

Shrinking fabrics. Eastern Textile Shrinkers, Inc. 511,084, June 14; Serial No. 562,596, published Mar. 15, 1949.

Shrinking of textile fabrics in the piece. American-London-Shrinkers Corporation. 511,074, June 14; Serial No. 544,528, published Mar. 1, 1949.

Telephone answering service. Telanserphone. 511,064, June 14; Serial No. 527,111, published Mar. 8, 1949.

Transaction of commercial, savings, investment and foreign banking, trust and real estate loan business. The First National Bank of Chicago. 511,068, June 14; Serial No. 542,846, published Mar. 15, 1949.

Transportation services, Railway passenger. The Chesapeake and Ohio Railway Company. 511,083, June 14; Serial No. 557,892, published Mar. 15, 1949.

Transportation services, Railway passenger. The Chesapeake and Ohio Railway Company. 511,083 June 14; Serial No. 557,897, published Mar. 15, 1949.

Transportation services, Railway passenger and freight. The Chesapeake and Ohio Railway Company. 511,078, June 14; Serial No. 557,891, published Mar. 15, 1949.

Transporting passengers by motor bus. Public Service Interstate Transportation Company. 511,073, June 14; Serial No. 544,462, published Mar. 8, 1949.

Transporting passengers by motor bus, Services in. Public Service Interstate Transportation Company. 511,072, June 14; Serial No. 544,461, published Mar. 15, 1949.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF JUNE, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alliance Manufacturing Company, The, assignee: *See*—
Schneider, Emmor V.

Covington, Carl A.: *See*—
Earle, Clarence E., and Covington.

Earle, Clarence E., Washington, D. C., and C. A. Covington, Alexandria, Va. Coupling. Re. 23,120, June 14.

Harrison, Thomas R., Wyncote, and W. P. Wills, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Antihunting electrical measuring and control apparatus. Re. 23,121, June 14.

Leonard, John T., Evanston, Ill. Double-acting pump. Re. 23,122, June 14.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Harrison, Thomas R., and Wills.

Schneider, Emmor V., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Idler system for phonograph turntable drives. Re. 23,123, June 14.

Wills, Walter P.: *See*—
Harrison, Thomas R., and Wills.

LIST OF PLANT PATENTEES

Clarke, W. B. & Co., assignee: *See*—
Clarke, Walter B.

Clarke, Walter B., San Jose, Calif., assignor to W. B. Clarke & Co. Flowering quince plant. 847, June 14.

LIST OF DESIGN PATENTEES

Adams, John T., Roslyn, N. Y. Cigarette lighter. 154,090, June 14.

Allen, Grosvenor N., and W. H. Gerth, assignors to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 154,091, June 14.

American Optical Company, assignee: *See*—
Armbruster, John T.

Apex Accessories Co., Inc., assignee: *See*—
Pinson, Alfred.

Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Valise or similar article. 154,092, June 14.

Armbruster, John T., Niagara Falls, N. Y., assignor to American Optical Company, Southbridge, Mass. Micro-film projector or similar article. 154,093, June 14.

Armstrong, Catherine C., assignee: *See*—
Armstrong, Kenneth R.

Armstrong, Kenneth R., Battle Creek, Mich., assignor, by decree of court, to C. C. Armstrong. Earring rack. 154,094, June 14.

Baldwin Locomotive Works, assignee: *See*—
Hadley, Donald L., Ryder, and Pedersen.

Boucher, Marcel, New York, N. Y. Brooch or similar article. 154,095, June 14.

Boucher, Marcel, New York, N. Y. Brooch or similar article. 154,096, June 14.

Brenner, Edward, Hollywood, Calif. Nursery lamp. 154,097, June 14.

Brunswick-Balke-Collender Company, The, assignee: *See*—
Deskey, Donald.

Carr, Wayne H., Kalamazoo, Mich. Fish lure. 154,098, June 14.

Cassara, Vincent, New York, N. Y. Table lamp. 154,099, June 14.

Castorani, Francesco P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,100, June 14.

Cowdroy, Thorp C., Balgowlah, near Sydney, New South Wales, Australia. Extruded metal showcase fitting. 154,101, June 14.

Davis, Matalda, New York, N. Y. Spectacle frame. 154,102, June 14.

Deskey, Donald, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Rack or the like for billiard cues. 154,103, June 14.

Deskey, Donald, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Rack or the like for billiard cues. 154,104, June 14.

Deskey, Donald, New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Rack or the like for billiard cues. 154,105, June 14.

Donati, Enrico, New York, N. Y., assignor to Lady Ester, Ltd., Chicago, Ill. Lipstick container. 154,106, June 14.

Donnelley, Joseph B., Burlingame, Calif., assignor to Schenley Distillers Corporation, New York, N. Y. Can opener. 154,107, June 14.

Emmons, Albert E., Lockport, assignor to Rumsey Products, Inc., Seneca Falls, N. Y. Electric driven lawn mower. 154,108, June 14.

Empire Plastic Corporation, assignee: *See*—
Leaf, Ludwik.

Espey, George B., and G. D. Waite, Cleveland, Ohio. Fishing lure. 154,109, June 14.

Everett, John E., Evanston, assignor to H. Kravitz, Chicago, Ill. Planter lamp. 154,110, June 14.

Falkenberg, Robert L., Mission, Kans. Combined display rack and color selector. 154,111, June 14.

Ferar, Montgomery, Detroit, Mich., assignor to Sears, Roebuck and Co., Chicago, Ill. Cooking range control panel unit. 154,112, June 14.

Fink, Edward A., Chicago, Ill. Indicator control panel unit for stoves. 154,113, June 14.

Fisher, Francis C., Syracuse, N. Y. Tap handle. 154,114, June 14.

Fox, Alexander P., University City, and A. D. Reisert, assignors to Lincoln Engineering Company, St. Louis, Mo. Cabinet for automotive lubrication equipment. 154,115, June 14.

Friedman-Lobel, Inc., assignee: *See*—
Lobel, Rudolph.

Gellner, Samuel H., New York, N. Y. Display box. 154,116, June 14.

General Electric Company, assignee: *See*—
Patten, Ray.

Gerth, William H.: *See*—
Allen, Grosvenor N., and Gerth.

Gerth, William H., assignor to Oneida Ltd., Oneida, N. Y. Spoon or similar article. 154,117, June 14.

Gottschalk, Rose, assignor to Edgar C. Hyman Co., Inc., New York, N. Y. Scarf. 154,118, June 14.

Grestrex Ltd., assignee: *See*—
Gumbrill, Edgar F.

Gumbrill, Edgar F., Walsall, England, assignor to Grestrex Ltd., New York, N. Y. Handbag. 154,119, June 14.

Hadley, Donald L., Meriden, C. B. Ryder, Huntington, and N. F. Pedersen, New Hartford, Conn., assignors to The Baldwin Locomotive Works, Eddystone, Pa. Locomotive body. 154,120, June 14.

Harman, Abbot A., New York, N. Y. Combined watch and bracelet. 154,121, June 14.

Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,122, June 14.

Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,123, June 14.

Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,124, June 14.

Hooven, Howard, Doylestown, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,125, June 14.

Hotpoint Inc., assignee: *See*—
Sandin, Ray C.

Humphreys, Robert, Menlo Park, Calif. Round comb. 154,126, June 14.

Hyman, Edgar C., Co., Inc., assignee: *See*—
Gottschalk, Rose.

Klingberg, Arthur F., Chicago, assignor to Park Sherman Co., Springfield, Ill. Coin bank. 154,127, June 14.
Kravitz, Herman, assignee: *See*—
Everett, John E.
Lady Esther, Ltd., assignee: *See*—
Donati, Enrico.
Lascow, Frank, New York, N. Y. Lamp standard or similar article. 154,128, June 14.
Leaf, Ludwig, Forest Hills, assignor to Empire Plastic Corporation, New York, N. Y. Toy turtle or similar article. 154,129, June 14.
Le Moine, Desire O., Akron, Ohio. Novelty fish lure. 154,130, June 14.
Lincoln Engineering Company, assignee: *See*—
Fox, Alexander P., and Reisert.
Lobel, Rudolph, assignor to Friedman-Lobel, Inc., New York, N. Y. Handbag. 154,131, June 14.
Lounsbury, Harvey J., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Hinge. 154,132, June 14.
Mangold, Aurel E., New York, N. Y. Spectacle frame. 154,133, June 14.
McMillen, Ward, Toledo, Ohio. Knife handle. 154,134, June 14.
Miner, W. H., Inc., assignee: *See*—
Lounsbury, Harvey J.
Moffett, Archibald R., Orinda, Calif. Tire inflator. 154,135, June 14.
Morris, Thomas S., Birmingham, Ala. Combined flower stand and trellis. 154,136, June 14.
Nichols, Proctor W., Colorado Springs, Colo. Passenger loading ramp. 154,137, June 14.
Oneida Ltd., assignee: *See*—
Allen, Grosvenor N., and Gerth.
Gerth, William H.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,138, June 14.
Park Sherman Co., assignee: *See*—
Klingberg, Arthur F.
Patten, Ray, Norwalk, Conn., assignor to General Electric Company. Locomotive body or the like. 154,139, June 14.
Peak, Paul R., Jr., Hamden, Conn. Knitting bag or similar article. 154,140, June 14.
Pedersen, Nicholas F.: *See*—
Hadley, Donald L., Ryder, and Pedersen.
Pidgeon Vitrified China Company, assignee: *See*—
Rosner, Joseph.
Pilblad, Sven A., Boston, Mass. Fishing spinner or similar article. 154,141, June 14.
Pinson, Alfred, Stamford, Conn., assignor to Apex Accessories Co., Inc., New York, N. Y. Wrist band. 154,142, June 14.
Quaker Lace Company, assignee: *See*—
Castoral, Francesco P.
Hooven, Howard.
Otto, Ferdinand P.
Wolf, William.
Reed, Thomas C., Washington, D. C. Combination cocktail table, radio and phonograph cabinet. 154,143, June 14.
Reisert, August D.: *See*—
Fox, Alexander P., and Reisert.
Reiter, Daniel L., New York, N. Y. Finger pull for slippers and the like. 154,144, June 14.
Rosner, Joseph, Kirkwood, assignor to Pidgeon Vitrified China Company, Barnhart, Mo. Lamp base. 154,145, June 14.
Rumsey Products, Inc., assignee: *See*—
Emmons, Albert E.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,146, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,147, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,148, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,149, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,150, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,151, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,152, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,153, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,154, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,155, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,156, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,157, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,158, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,159, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,160, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,161, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,162, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,163, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,164, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,165, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,166, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,167, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,168, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,169, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,170, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,171, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,172, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,173, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,174, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,175, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,176, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,177, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,178, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 159,179, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,180, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,181, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,182, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,183, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,184, June 14.
Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,185, June 14.
Ryder, Carleton B.: *See*—
Hadley, Donald L., Ryder, and Pedersen.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Refrigerator. 154,186, June 14.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Refrigerator. 154,187, June 14.
Sandin, Ray C., Oak Park, Ill., assignor to Hotpoint Inc. Refrigerator. 154,188, June 14.
Schenley Distillers Corporation, assignee: *See*—
Donnelly, Joseph B.
Sears, Roebuck and Co., assignee: *See*—
Ferar, Montgomery.
Simon, Edwin G., San Francisco, Calif. Plane. 154,189, June 14.
Singer, Leonard, New York, N. Y. Curtain. 154,190, June 14.
Smith, Burton O., assignor to Vacuum Can Company, Chicago, Ill. Portable beverage dispenser. 154,191, June 14.
Tucker Corporation, assignee: *See*—
Tucker, Preston T.
Tucker, Preston T., Ypsilanti, Mich., assignor to Tucker Corporation, Chicago, Ill. Automobile. 154,192, June 14.
United States Rubber Company, assignee: *See*—
Arbib, Richard H.
Vacuum Can Company, assignee: *See*—
Smith, Burton O.
Waite, Gilbert D.: *See*—
Espey, George B., and Waite.
Wolf, William, assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 154,193, June 14.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF JUNE, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories, assignee: *See*—
Kirchmeyer, Frederick J., and Card.
Ache, Nicholas, Detroit, Mich. Open-top refrigerated display case. 2,473,122, June 14.
Adam, Louis D., and N. G. Poplin, Ponca City, Okla., assignors to Pachner & Koller, Inc., Chicago, Ill. Fishing lure. 2,473,324, June 14.
Adams, Arthur A., Brookline, assignor to R. G. Morse, Marblehead, Mass. Micrometer caliper. 2,472,875, June 14.
Adams, Charles, Jr., Croton on Hudson, N. Y. Pipe fitting. 2,473,045, June 14.
Adams, Charles, Jr., Croton on Hudson, N. Y. Pipe clamp. 2,473,046, June 14.
Adams, Charles S., Holden, assignor to Rice Barton Corporation, Worcester, Mass. Papermaking machine. 2,473,269, June 14.
Adams, Charles S., Holden, assignor to Rice Barton Corporation, Worcester, Mass. Cylinder mold papermaking machine. 2,473,270, June 14.
Adams, Clifford E., Wakita, Okla. Disk supporting jig while treating the edge of the disk. 2,473,407, June 14.
Adams, David, Detroit, Mich. Multiple cylinder engine of the multiple piston type. 2,473,268, June 14.
Adams, Gail D., Jr., Champaign, assignor to The Board of Trustees of the University of Illinois, Urbana, Ill. Electronic induction accelerator apparatus and method. 2,473,123, June 14.
Adams, Pierrepont, Glenbrook, Conn., assignor to American Cyanamid Company, New York, N. Y. Alkylated melamine-formaldehyde liquid compositions. 2,473,463, June 14.
Adelson, David E., Berkeley, and T. W. Evans, Oakland, assignors to Shell Development Company, San Francisco, Calif. Polyallyl type alcohols and production thereof. 2,473,124, June 14.
Adkins, Bruce, Pharr, Tex. House moving apparatus. 2,472,932, June 14.
Aerotec Corporation, The, assignee: *See*—
Watson, John E., and McBride.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Connolly, Claire A.
Ahrndt, Arthur H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Knife assembly and stripper for meat tendering machines. 2,472,800, June 14.
Ahrndt, Arthur H., and P. H. Meyer, assignors to U. S. Slicing Machine Company, La Porte, Ind. Rotary disk knife. 2,472,876, June 14.
Air Reduction Company, Incorporated, assignee: *See*—
Hoover, Charles O.
Huff, Harry A., Jr.
Klinke, Henry O.
Ajax Engineering Corporation, assignee: *See*—
Tama, Manuel, and Tams and Hoff.
Aktiebolaget Separator, assignee: *See*—
Lindgren, Hans O.
Albersheim, Walter J., Interlaken, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave modifying reflector. 2,472,762, June 14.
Albin, Frederick G., Los Angeles, Calif., assignor to Radio Corporation of America. Radio-frequency dielectric heater with constant heating rate control. 2,473,188, June 14.
Aldon Products Company, assignee: *See*—
Vara, Ethan W.
Alexander, Elisha E., Chicago, Ill. Elevator door and bridge. 2,473,125, June 14.
Alexander, Elisha E., Chicago, Ill. Freight platform bridge. 2,473,126, June 14.
Alexander, Elisha E., Chicago, Ill. Elevator bridge. 2,473,127, June 14.
Alexander, Elisha E., Chicago, Ill. Elevator door bridge. 2,473,128, June 14.
Alexander, Emmett L., and A. W. Braithwaite, assignors to The George E. Failing Supply Company, Enid, Okla. Portable drilling rig. 2,472,999, June 14.
Alexanderson, Ernst F. W., Schenectady, M. A. Edwards, Scotia, and O. A. Hoyt, Schenectady, N. Y., assignors to General Electric Company. Follow-up control system. 2,473,235, June 14.
Alkan, Robert, Locust Valley, N. Y., assignor to Specialties, Inc. Remote control. 2,473,464, June 14.
Alkin, Gerald T., Kiama, New South Wales, Australia. Clothes hanger. 2,473,408, June 14.
Allday, Henry, & Son (1922) Limited, assignee: *See*—
Bain, Robert.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Ringland, William L.
Allmänna Svenska Elektriska Aktiebolaget, assignee: *See*—
Gynt, Sven.
Aliquist, John W., Rome, Ga., assignor, by mesne assignments, to Celanese Corporation of America. Washing cellulose. 2,472,877, June 14.
Almasi, Ludwig, New York, N. Y. Bowling game ball projector. 2,473,087, June 14.
Almy, Emory F.: *See*—
Otting, Herbert E., Chrysler, and Almy.
Aluminum Company of America, assignee: *See*—
Hunsicker, Harold Y., and Kempf.
American Can Company, assignee: *See*—
Paynter, Horace J.
Socke, John E.
American Chemical Paint Company, assignee: *See*—
Sprnance, Frank P., Jr., and Thirsk.
American Cyanamid Company, assignee: *See*—
Adams, Pierrepont.
Cullinan, John F., and Lytle.
Davis, Arnold R.
Partentjev, Ivan A.
American Lead Pencil Company, assignee: *See*—
Juelss, David.
American Seating Company, assignee: *See*—
Morgan, Erving B., and Clay.
American Steel Foundries, assignee: *See*—
Baselt, Walter H.
Clasen, Clans J. W.
Cottrell, Robert B.
Keysor, Harold C.
Schlegel, Walter L., Jr.
American Telephone and Telegraph Company, assignee: *See*—
Richards, Kenneth W.
Anderson, Carl V.: *See*—
Tobener, William H., Jr., and Anderson.
Anderson, Dwight M., South Euclid, Ohio. Vacuum breaking and dump valve. 2,472,933, June 14.
Andrews, Eleanor U., assignee: *See*—
Lorenz, John.
Armco Steel Corporation, assignee: *See*—
Littmann, Martin F.
Armington, Raymond Q.: *See*—
Double, Walter F., Armington, and Armington, R. Q.
Armington, Stewart F.: *See*—
Double, Walter F., Armington, and Armington, R. Q.
Artisan Shoe Company, assignee: *See*—
Risso, Joseph D.
Attapulgus Clay Company, assignee: *See*—
McCarter, William S. W.
Atwell, Harold V., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Carrying out exothermic reactions. 2,473,129, June 14.
Auñero, John M., Plandome, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Combined electric fan and air heating means. 2,473,325, June 14.
Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. High-frequency vibrator mechanism. 2,473,353, June 14.
Autogiro Company of America, assignee: *See*—
Pitcairn, Harold F.
Automatic Telephone & Electric Company Limited, assignee: *See*—
Gillings, Charles, and Cowley.
Autophon Aktiengesellschaft, the firm, assignee: *See*—
Kappeler, Hans.
Bachmann Bros., Inc., assignee: *See*—
McNeill, Albert G.
Bader, Paul W., Chicago, and F. E. Oakhill, Wilmette, assignors to O-Cedar Corp'n, Chicago, Ill. Handle and socket structure. 2,473,000, June 14.
Badger Carton Co., assignee: *See*—
Bledsoe, William E., Jr.
Bain, Robert, Handsworth, Birmingham, assignor to Henry Allday & Son (1922) Limited, Birmingham, England. Electric switch. 2,473,088, June 14.
Baker, William M., Clyde, N. Y. Glass cutter. 2,473,189, June 14.
Barber-Colman Company, assignee: *See*—
Colman, Howard D.
Barfield, Morris L., Washington, D. C., and J. J. Gurtowski, Wallington, N. J., assignors to the United States of America as represented by the Secretary of War. Temperature-stable molded resistor. 2,472,801, June 14.
Barlow, Clifford S., Sydney, New South Wales, Australia. Hot pressing materials on sewing machines. 2,473,236, June 14.

Barnes, Walter C., Lake Bluff, and H. W. Keevil, Evanston, Ill. Method and apparatus for detecting flaws. 2,472,784, June 14.

Barone, James, Alamosa, Colo. Anchor leader. 2,473,080, June 14.

Barrere, Gerald N., Cincinnati, Ohio. Handle control mechanism. 2,472,763, June 14.

Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Trussed brake beam. 2,473,001, June 14.

Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Brake beam. 2,473,002, June 14.

Baskin, Charles M., Toronto, Ontario, and N. W. McLeod, Sarnia, Ontario, Canada, assignors to Standard Oil Development Company. Producing fibrous building compositions. 2,473,190, June 14.

Bastian Brothers Company, assignee: *See*—
Wegman, Julee G.

Bates Manufacturing Company, assignee: *See*—
Watson, William.

Baumann, Karl, Mere, Knutsford, assignor to Metropolitan-Vickers Electrical Company Limited, London, England. Fluid turbine power plant with speed reduction transmission gearing. 2,472,878, June 14.

Banroth, Walter J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Electric traction motor. 2,473,130, June 14.

Bayle, André A. C., Boulogne-sur-Seine, France. Protective device for thermal receivers. 2,472,879, June 14.

Beachell, Harold C., Lakewood, and M. Syeda, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of chloral containing under-chlorinated constituents. 2,473,003, June 14.

Beale, Evelyn S. L., Staines, assignor to Alan Munts & Company Limited, Hounslow, England. Control means for internal-combustion-operated free-piston machines. 2,472,934, June 14.

Bechler, André, Berne, Switzerland. Transmission gear for machine tools. 2,472,880, June 14.

Becker, Frank, Arlington, Va. Telescoping collapsible chair. 2,473,060, June 14.

Beckman, Arnold O., Altadena, assignor to National Technical Laboratories, South Pasadena, Calif. Variable resistance unit. 2,473,048, June 14.

Beechlyn, John T., Worcester, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Variable compound resistor. 2,473,409, June 14.

Behrman, William F.: *See*—
Hawes, Russell J., Behrman, and Campbell.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Albersheim, Walter J.
Darlington, Sidney.
Mallina, Rudolph F.
Thurber, Elmer A.

Bellows Company, The, assignee: *See*—
Carlson, Bert G.

Beloit Iron Works, assignee: *See*—
Hornbostel, Lloyd.

Bender, Charles E., Teaneck, N. J., assignor to General Foods Corporation, New York, N. Y. Recovering caffein. 2,472,881, June 14.

Benedek, Elek K., Chicago, Ill. Hydraulic pump or motor. 2,473,271, June 14.

Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Device for transmitting and receiving compressional waves. 2,473,364, June 14.

Bensley, Robert D., Chicago, Ill. Color photography. 2,473,131, June 14.

Bentley, Oliver D. H., Dover, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lubrication system. 2,472,902, June 14.

Berger, Emil J., and H. K. West, assignors to Dexdale Hosiery Mills, Lansdale, Pa. Sinker actuating mechanism for knitting machines. 2,473,355, June 14.

Berger, J. E., Corporation, assignee: *See*—
Wortman, Robert.

Berger, Paul, assignor, by mesne assignments, of one-half to H. Epstein and one-half to L. R. Dumen, Chicago, Ill. Transformer. 2,472,882, June 14.

Bergstein, Frank D., assignee, trustee: *See*—
Bergstein, Samuel.

Bergstein, Robert M., assignee, trustee: *See*—
Bergstein, Samuel.

Bergstein, Samuel, Cincinnati, Ohio, assignor to R. M. Bergstein and F. D. Bergstein, trustees. Method and apparatus for producing cartons. 2,472,883, June 14.

Bershad, Israel, Brooklyn, N. Y. Portable clothes drier. 2,473,047, June 14.

Berube, Frank, Brockton, Mass. Snap fastener attachment for button sewing machines. 2,473,132, June 14.

Bettencourt, Alfred S., East Orange, N. J. Larding and seasoning needle. 2,473,191, June 14.

Bets, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Apparatus for improving the operation of oxygen cutting torches. 2,473,465, June 14.

Beveviso, Angelo J., Petrolia, Pa., assignor to L. Sonneborn Sons, Inc. Device for lifting and transporting objects. 2,473,410, June 14.

Beyer, Frederick C., Washington, D. C., and C. E. Jackson, Niagara Falls, N. Y. Welding apparatus. 2,472,803, June 14.

Bied, John R., Framingham, Mass. Combination mount and shoulder rest. 2,472,804, June 14.

Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Turbo Engineering Corporation. Combustion gas turbine arrangement. 2,473,356, June 14.

Bitner, Ralph E., Roslyn, N. Y. Partial products mechanism. 2,473,466, June 14.

Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Electric timer. 2,473,237, June 14.

Bivens, Maurice E., Schenectady, N. Y., assignor to General Electric Company. Electric valve control circuits. 2,473,238, June 14.

Blackwell, John B., San Antonio, Tex. Coil for weed burners and pear burners. 2,473,192, June 14.

Blake, William O., Newport, Wash. Toy machine gun. 2,473,272, June 14.

Bledsoe, William E., Jr., assignor to Badger Carton Co., Milwaukee, Wis. Electric motor. 2,473,049, June 14.

Blits, Daniel Newtonville, Mass., assignor to Radio Corporation of America. Standing wave detector and indicator system. 2,472,785, June 14.

Blott, John F. T., Worcester Park, England, assignor to Shell Development Company, San Francisco, Calif. Composition suitable for the construction of roads, paths, floors, aerodrome runways, and the like. 2,473,326, June 14.

Blume, Frank J., Chicago, Ill. Multiple belt conveyer system. 2,472,805, June 14.

Blunier, Edward G., Roanoke, Ill. Swinging drawbar. 2,473,357, June 14.

Bocji Corporation, assignee: *See*—
La Place, Descond R.

Boden, Robert S., Pittsburgh, Pa. Egg separator stand. 2,473,411, June 14.

Bogart, Fred H., South Euclid, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,473,133, June 14.

Bolvin, Odilon J., Gorham, N. H. Wallpaper pasting and cutting device. 2,472,935, June 14.

Bollier, Ernest R., Marion, Ind., L. D. Eubank, Cleveland, Ohio, and R. J. Kepfer, La Grange, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Galvanising flux. 2,473,004, June 14.

Bonnett, Horace W., Fairfield, assignor to United Aircraft Corporation, East Hartford, Conn. Adjustable rotor blade. 2,473,134, June 14.

Boots Pure Drug Company Limited, assignee: *See*—
Short, Wallace F., Hobday, and Oxley.
Short, Wallace F., and Oxley.

Borda, Carlos J., San Jose, Costa Rica. Adjustable key for use with locks in which the tumblers are movable parallel to the axis of the plug. 2,473,273, June 14.

Borg-Warner Corporation, assignee: *See*—
Candler, James N.
Rockwell, Edward A.

Born, Wade H., McRae, Ga. Implement for winding and folding harvesting sheets. 2,473,327, June 14.

Bowerman, Edwin R., Jr., assignor to Sylvania Electric Products Inc., Emporium, Pa. Pickling metal contact surfaces. 2,472,786, June 14.

Boyd, Cecil P., Gettysburg, Pa. Wall cabinet having a vertically swingable section. 2,473,239, June 14.

Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Brace for doors and the like. 2,472,936, June 14.

Boye, James H., Manufacturing Company, assignee: *See*—
Boye, James H.

Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Ultra high frequency coupling. 2,473,274, June 14.

Braithwaite, Albert W.: *See*—
Alexander, Emmett L., and Braithwaite.

Brandon, Richard C.: *See*—
Jones, Minor C. K., and Brandon.

Brierton, James L.: *See*—
Peters, Elwyn H., Engelhardt, and Brierton.

Bright, Orlow S., Jr., Canton, assignor to Raytheon Manufacturing Company, Newton, Mass. Cathode coating for electron discharge devices. 2,473,358, June 14.

Brinkoeter, Paul H., assignor to Ed Friedrich, Inc., San Antonio, Tex. Cooling plate. 2,472,937, June 14.

Brittain, Francis H., Pinner, and C. E. Ransley, Sudbury, assignors to The General Electric Company Limited, London, England. Point-contact rectifier. 2,472,938, June 14.

Britton, Joseph W., and R. C. Dosser, assignors to The Dow Chemical Company, Midland, Mich. Method and catalysts for polymerizing vinyl and vinylidene compounds. 2,473,005, June 14.

Bronson, Adelbert E., Shaker Heights, and L. S. Speth, Cleveland, Ohio, assignors to A. E. Bronson, Jr. Method of and apparatus for waving hair. 2,473,135, June 14.

Bronson, Adelbert E., Jr., assignee: *See*—
Bronson, Adelbert E., and Speth.

Brooks, Desmond B., and C. J. Van Boven, Haxtun, Colo. Marble projector. 2,473,091, June 14.

Brose, Horace B.: *See*—
Brose, Lasetta D., and H. B.

Brose, Lasetta D., and H. B., Chicago, Ill. Abdominal pillow. 2,473,136, June 14.

Brouns, Hubert E., assignor to N. V. Vereenigde Tabaksindustrieen Mignot & De Block, Eindhoven, Netherlands. Machine for applying bands to cigars. 2,473,276, June 14.

Brown, Frank L., Park Ridge, and H. S. Steen, Chicago, Ill., assignors to Chicago Faucet Company. Flow regulator. 2,472,747, June 14.

Brown, George H., and O. M. Woodward, Jr., Princeton, N. J., assignors to Radio Corporation of America. Line balance converter. 2,473,328, June 14.

Brown, Robert L., assignee: *See*—
Waara, David H.

Brown, Robert L., Ferndale, Mich. Door check device. 2,473,359, June 14.

Bryant Chucking Grinder Company, assignee: *See*—
Ljunggren, Tore H., and Green.

Bryant, William F., Chamblee, Ga. Fuel injection pump. 2,473,412, June 14.

Buffington, Don M., Grand Falls, Tex. Hose clamp. 2,473,092, June 14.

Burgett, Lynn S., Bakersfield, Calif., assignor to The Clark Controller Company, Cleveland, Ohio. Brake. 2,473,360, June 14.

Burns, Alfred G., Farmland, Ind. Automatic electric animal trap. 2,472,806, June 14.

Burrus, Robert E., assignor to Clark Equipment Company, Buchanan, Mich. Step-up gearing. 2,472,788, June 14.

Burrus, Robert E., assignor to Clark Equipment Company, Buchanan, Mich. Vehicle clutch control mechanism. 2,472,789, June 14.

Burt, James F., assignor to Glenwood Range Company, Taunton, Mass. Attachment for drawers in ovens of stoves or ranges. 2,473,467, June 14.

Byerly, Robert W., New York, N. Y. Time-interval indicator. 2,473,487, June 14.

Byrne, John F., Columbus, Ohio, assignor to General Electric Company. Parallel plate capacitor. 2,473,240, June 14.

Cable & Wireless Limited, assignee: *See*—
Higgitt, Harry V.

California Machinery and Supply Company, Ltd., assignee: *See*—
Ostling, William.

Camp, Charles J., Palo Alto, Calif. Emergency radio signal for airplanes. 2,473,050, June 14.

Campbell, Charles A.: *See*—
Hawes, Russell J., Behrman, and Campbell.

Campbell, Shirley P., and R. Grubb, assignors to The Coleman Company, Inc., Wichita, Kans. Furnace. 2,473,006, June 14.

Campion, Donald C., Detroit, Mich., assignor to Loftus Engineering Corporation, Pittsburgh, Pa. Reciprocating conveyer. 2,473,193, June 14.

Candler, James N., Grosse Pointe, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Tail rotor for helicopters. 2,473,329, June 14.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
Johnston, Franklin, and Hensley.

Card, Ione R.: *See*—
Kirchmeyer, Frederick J., and Card.

Carlington, Charles M., and G. W. Shoobert, assignors to K. L. G. Sparking Plugs Limited, London, England. Sparking plug. 2,473,231, June 14.

Carlson, Bert G., Gates Mills, assignor to The Bellows Company, Akron, Ohio. Pneumatic tool for upsetting hollow rivets. 2,473,361, June 14.

Carlson, Louis C., South Ozone Park, N. Y. Adapter. 2,473,051, June 14.

Carson, Russell M., Red Oak, Iowa, assignor of fifty per cent to G. C. Hohl, Kansas City, Mo. Dish cleaning and garbage collecting machine. 2,473,007, June 14.

Carter, Dora E., assignee: *See*—
Donaldson, Jefferson R., and Hulse.

Casey, James P., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Preparing starch paste. 2,472,790, June 14.

Celanese Corporation of America, assignee: *See*—
Allquiet, John W.
Taylor, David, and Ward.

Chadsey Corporation, assignee: *See*—
Chadsey, George E.

Chadsey, George E., East Hampton, Conn.: I. M. Davis, and I. D. Dickerson, Middletown, executrices of said G. R. Chadsey, deceased, assignor to Chadsey Corporation, Hartford, Conn. Bulb manipulating device. 2,473,008, June 14.

Chadsey, George R., East Hampton, Conn.: I. M. Davis, and I. D. Dickerson, Middletown, executrices of said G. R. Chadsey, deceased, assignor to Chadsey Corporation, Hartford, Conn. Bulb socket manipulator. 2,473,009, June 14.

Chamberlin, Richard: *See*—
Driesebman, Donald, and Chamberlin.

Chase Brass & Copper Co., Incorporated, assignee: *See*—
Reichenbach, Howard F.

Chew, Thornton W., Washington, D. C. Color television system. 2,473,276, June 14.

Chicago Faucet Company, assignee: *See*—
Brown, Frank L., and Steen.

Chicago Railway Equipment Company, assignee: *See*—
Walker, Samuel J., and Spaeth.

Chou, Ching-Ih, West Webster, N. Y., assignor to Stromberg-Carlson Company. Power supply switching system. 2,473,194, June 14.

Chrysler Corporation, assignee: *See*—
Lawton, Boen.
Ochs, Sidney A.

Chrysler, Lewis H.: *See*—
Otting, Herbert E., Chrysler, and Almy.

Church, William K.: *See*—
Graham, Joseph P., and Church.

Cipyak, John, assignor of seventeen and one-half per cent to T. Cipyak, seventeen and one-half per cent to F. E. Sterner, seventeen and one-half per cent to A. V. Sterner, and seventeen and one-half per cent to A. V. Sterner, Lansford, Pa. Miniature golf game board. 2,473,277, June 14.

Cipyak, Margaret, assignee: *See*—
Cipyak, John.

Cipyak, Tekla, assignee: *See*—
Cipyak, John.

Clark Controller Company, The, assignee: *See*—
Burgett, Lynn S.

Clark Equipment Company, assignee: *See*—
Burrus, Robert E.

Clark, Ethel H., assignee: *See*—
Clark, John W.

Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Heat-resisting capacitor. 2,473,242, June 14.

Clark, Henry B., Elisabeth, N. J. Overhead door lock. 2,472,791, June 14.

Clark, John W., assignor of one-third to E. H. Clark, Washington, D. C. Safety razor. 2,472,807, June 14.

Clasen, Claus J. W., assignor to American Steel Foundries, Chicago, Ill. Quick wheel change railway car truck. 2,473,010, June 14.

Clay, Royce W.: *See*—
Morgan, Erving B., and Clay.

Cleaver-Brooks Company, assignee: *See*—
Sanborn, William L.

Clifton, Robert P., Dearborn, assignor to Packard Motor Car Company, Detroit, Mich. Shroud for multiple runner fluid couplings. 2,473,137, June 14.

Cochran, Carl T.: *See*—
Robbins, Roland S., and Cochran.

Cohen, Charles A., Roselle Park, N. J., assignor to Standard Oil Development Company. Treatment of oils corrosive to copper. 2,473,195, June 14.

Cohler, Irving H., Chicago, Ill., assignor, by mesne assignments, to Mitchell Manufacturing Company. Air conditioning unit for mounting in windows. 2,472,702, June 14.

Colaiuca, Leonardo, Somerville, N. J. Cushioning attachment for game tables. 2,472,884, June 14.

Coleman Company, Inc., The, assignee: *See*—
Campbell, Shirley P., and Grubb.

Collins Radio Company, assignee: *See*—
May, Richard W.

Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Automatic multiple stage telegraph system. 2,472,885, June 14.

Colonial Radio Corporation, assignee: *See*—
Nicholson, Madison G., Jr.

Columbia Steel Company, assignee: *See*—
Jones, Walter J.

Comins, Alfred W., Lancaster, Pa., assignor to Radio Corporation of America. Voltage control system for cathode-ray tubes. 2,473,330, June 14.

Compagnie Francaise du Signum, assignee: *See*—
Toulon, Pierre M. G.

Conea, Ben, Indianapolis, Ind. Hygroscopic disk. 2,473,278, June 14.

Conn, Alfred J., Oak Park, and R. B. Stanley, Maywood, assignors to La Salle Designing Company, Chicago, Ill. Machine tool. 2,473,093, June 14.

Connolly, Claire A., Detroit, Mich., assignor to the United States of America as represented by the Secretary of Agriculture. Crate having lifting means. 2,472,930, June 14.

Conrad, Joseph D., Springfield, and W. H. Lloyd, Philadelphia, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine blade lashing. 2,472,886, June 14.

Consolidated Engineering Corporation, assignee: *See*—
McClure, Dorr W. G.
Washburn, Harold W.

Consolidated Gas Electric Light and Power Company of Baltimore, assignee: *See*—
Bets, Paul L.

Conterno, Charles, Brooklyn, N. Y. Gas stove valve operator guard. 2,472,793, June 14.

Continental Pharmacal Company, The, assignee: *See*—
Lager, Roger K.

Cook, John B., and L. L. Jugle, assignors to Reliable Electric Company, Chicago, Ill. Wire supporting device. 2,473,363, June 14.

Cook, Sherman H., Ferguson, Mo., assignor to Curtiss-Wright Corporation. Motion transmission mechanism. 2,473,362, June 14.

Cooley, Hal, Portland, Oreg. Magnetic switch apparatus. 2,473,465, June 14.

Cordrey, Hancil, and W. J. Duvall, Chula Vista, Calif. Keyless lock. 2,473,052, June 14.

Core, Aaron F., Sacramento, Calif. Plasterboard hoist. 2,472,827, June 14.

Corning Glass Works, assignee: *See*—
Hyde, James F.

Cortese, Ralph, Newark, N. J. Electrode. 2,473,413, June 14.

Cosser, A. C., Limited, assignee: *See*—
Wynn, Arthur H. A., and Hill.

Cothran, Charles D., assignor, by mesne assignments, to M. W. Engleman, trustee, Los Angeles, Calif. Removal of surface moisture from wet articles. 2,472,794, June 14.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Spring group. 2,473,011, June 14.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck bolster interlocking device. 2,473,012, June 14.

Cowley, Percy E. A.: *See*—
Gillings, Charles, and Cowley.

Crane, Carlton L.: *See*—
Hiatt, Gordon D., and Crane.

Crane, Charles R., II, Chicago, and A. Mueller, Berwyn, assignors to Crane Co., Chicago, Ill. Valve actuating mechanism. 2,473,013, June 14.

Crane Co., assignee: *See*—
Crane, Charles R., II, and Mueller.

Crews, John F.: *See*—
Meade, Reginald E., Taylor, and Crews.

Critchfield, Burke H., assignee: *See*—
Edwards, Thomas J.

Crocker, De Witt B., New York, N. Y. Curb inlet casting. 2,472,279, June 14.

Crompton & Knowles Loom Works, assignee: *See*—
Lindquist, Frank D.

Crozall, Willard J., Bryn Athyn, and H. T. Neher, Bristol, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of halo-substituted acetals. 2,473,014, June 14.

Crump, Robert E.: *See*—
Hamwill, William W., and Crump.

Cullinan, John F., and L. D. Lytle, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Acid treatment of heterocyclic imide and imidasole vat dyestuffs. 2,473,015, June 14.

Cummings, Arthur H., Ventura, Calif. Brassière. 2,472,940, June 14.

Cunningham, James M., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Apparatus for training pilots and other aircraft personnel. 2,472,888, June 14.

Curtis, Helene, Industries, Inc., assignee: *See*—
Nemeth, Otto R.

Curtiss-Wright Corporation, assignee: *See*—
Cook, Sherman H.
Dickinson, Ernest G., and Parkin.
Peters, Elwyn H., Engelhardt, and Brierton.

Dahl, Andrew I., Arlington, Va. Thermocouple junction with radiation shield. 2,472,808, June 14.

Dahm, Cornelius G., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Method and apparatus for minimising the horizontally-traveling components of seismic waves. 2,473,469, June 14.

Dannenberg, Kurt, Stoke-on-Trent, England. Combined thermal-magnetic circuit breaker. 2,473,196, June 14.

Darash, Nicholas P., assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,473,138, June 14.

Darlington, Sidney, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage multiplying circuit. 2,473,414, June 14.

Dart, Rodger W., Essondale, British Columbia, and S. Jenkins, Vancouver, British Columbia, Canada, assignors to International Mutoscope Corporation, Long Island City, N. Y. Automatic photographing and developing apparatus. 2,473,280, June 14.

Davis, Arnold R., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Reducing cut-growth rate of rubberlike butadiene-styrene copolymer. 2,473,016, June 14.

Davis, David M., assignee: *See*—
Herriott, Irving.

Davis, Inez M., executrix: *See*—
Chadsey, George E.

Decker, John R., Amherst, Mass. Illuminated reticle attachment for telescopes. 2,472,809, June 14.

Delaware Engineering Corporation, assignee: *See*—
Moore, William E.

Denig, Fred, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Recovery of light oil from absorbent. 2,472,810, June 14.

Denison Engineering Company, The, assignee: *See*—
Mills, Howard.

De Roo, William C., assignor to Hart & Cooley Manufacturing Company, Holland, Mich. Register construction. 2,473,053, June 14.

Devaney, Lawrence W.: *See*—
McBee, Earl T., and Devaney.

Dexdale Hosiery Mills, assignee: *See*—
Berger, Emil J., and West.

Dieherman, Fred N., Nichols, assignor to United Aircraft Corporation, East Hartford, Conn. Piston rod packing lubricator. 2,473,139, June 14.

Dieherson, Ida D., executrix: *See*—
Chadsey, George E.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Polymers of alpha-fluoromethyl acrylic acid esters. 2,472,811, June 14.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Esters of alpha-fluoromethyl acrylic acids. 2,472,812, June 14.

Dickinson, Ernest G., Olcott, and J. C. Parkin, Buffalo, N. Y., assignors to Curtiss-Wright Corporation. Latter installation for vehicles. 2,473,364, June 14.

Diebold, Incorporated, assignee: *See*—
Miller, Karl H.

Dietrich, Karl L., Jr.: *See*—
Hess, Frederic O., Miller, and Dietrich, Jr.

Distillers Company Limited, The, assignee: *See*—
Maxfield, Herbert I.

Doeg, Ralph W., Highland Park, Mich. Weeder. 2,472,941, June 14.

Donaldson, Jefferson E., and N. M. Huiss, assignors of thirty-three and one-third per cent to D. E. Carter, Dallas, Tex. Bottle vending machine. 2,473,064, June 14.

Donley, Carson O., assignor to Vertifilte, Inc., Indianapolis, Ind. Helicopter power and control mechanism. 2,473,331, June 14.

Dosser, Robert C.: *See*—
Britton, Joseph W., and Dosser.

Double, Walter F., Wickliffe, S. F. Armington, Willoughby, and R. Q. Armington, Shaker Heights, assignors to The Euclid Road Machinery Co., Cleveland, Ohio. Tandem axle construction. 2,472,813, June 14.

Douglas Aircraft Company, Inc., assignee: *See*—
Weise, Carl A.

Doull, Robert M., Westmount, Quebec, Canada. Mixing nozzle. 2,473,415, June 14.

Dow Chemical Company, The, assignee: *See*—
Britton, Joseph W., and Dosser.

Dowl Products, Inc., assignee: *See*—
Hutchinson, Alton E., and Thomas.

Drieschman, Donald, Los Altos, and R. Chamberlin, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube. 2,472,942, June 14.

Dryden Rubber Company, assignee: *See*—
Winkelmann, Herbert A.

Duman, Louis R., assignee: *See*—
Berger, Paul.
Freeman, Ernest H.

Du Mont, Allen B., Upper Montclair, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Photovision. 2,472,889, June 14.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Du Mont, Allen B.

Dunn, Joseph F., New York, N. Y. Control for ranges. 2,472,795, June 14.

Du Pont, E. I. de Nemours & Company, assignee: *See*—
Beachell, Harold C., and Sveda.
Boller, Ernest R., Eubank, and Kepfer.
Hallowell, Alban T.
Lindsey, Richard V., Jr.
Martin, Elmore L.
McQueen, David M.
Maechter, Emery.
Wernits, James H.
Woodward, David W.

Duriron Company, Inc., The, assignee: *See*—
Jacobsen, Oystein.

Duvall, Walter J.: *See*—
Cordrey, Hanell, and Duvall.

E. A. Laboratories, Inc., assignee: *See*—
Auñero, John M.

Eastman Kodak Company, assignee: *See*—
Dickey, Joseph B.
Hiatt, Gordon D., and Crane.

Eaton Manufacturing Company, assignee: *See*—
Findley, Howard J.
Reed, George R.

Edwards, Martin A.: *See*—
Alexanderson, Ernst F. W., Edwards, and Hoyt.

Edwards, Thomas J., Klamath Falls, Oreg., assignor, by mesne assignments, to B. H. Critchfield, Berkeley, Calif. Building structure. 2,473,017, June 14.

Edwards, Thomas J., Klamath Falls, Oreg., assignor to B. H. Critchfield. Building structure. 2,473,018, June 14.

Eitel-McCullough, Inc., assignee: *See*—
Drieschman, Donald, and Chamberlin.

Electric Service Manufacturing Company, assignee: *See*—
Magooch, Harry Y., and Shaback.

Electric Storage Battery Company, The, assignee: *See*—
Lighton, Lester E.

Elliott, Myron A., Washington, D. C. Testing dielectric materials. 2,472,814, June 14.

Emberson, Keith L., assignor to Wingfoot Corporation, Akron, Ohio. Seat. 2,473,365, June 14.

Emerson, John H., Cambridge, and G. J. Sinnett, Lexington, Mass., said Sinnett assignor to said Emerson. Resuscitator. 2,473,416, June 14.

Engelhardt, Lloyd F.: *See*—
Peters, Elwyn H., Engelhardt, and Brierton.

England, James M., Lebanon, assignor of one-third to D. E. Owen, St. Louis, Mo. Insulation means for electrical apparatus. 2,473,332, June 14.

Engleman, M. W., assignee, trustee: *See*—
Cothran, Charles D.

Eppler, Eugene: *See*—
Winslow, Albert E., and Eppler.

Epstein, Hirsch, assignee: *See*—
Berger, Paul.
Freeman, Ernest H.

Erasmus, Hendrik D.: *See*—
Spendelow, Howard R., Jr., and Erasmus.

Erasmus, Hendrik D., Lewiston, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Production of ferrochromium. 2,473,019, June 14.

Erasmus, Hendrik de W., Lewiston, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Ferrochromium. 2,473,020, June 14.

Erlbacher, Robert W., Cape Girardeau, Mo. Self-adjusting slip box. 2,473,140, June 14.

Essl, Max, Swarthmore, Pa., assignor to William H. Harman Corporation, Wilmington, Del. Sectional shaft. 2,473,417, June 14.

Ettl, Joseph, Brooklyn, assignor to Rogers Industries, Inc., New York, N. Y. Coating machine for flexible sheet materials. 2,473,243, June 14.

Eubank, Lowell D.: *See*—
Boller, Ernest R., Eubank, and Kepfer.

Euclid Road Machinery Co., The, assignee: *See*—
Double, Walter F., Armington, and Armington, R. Q.

Eureka Williams Corporation, assignee: *See*—
Vickers, Samuel E.

Evans, John, Hightstown, N. J., assignor to Radio Corporation of America. Heat detecting system. 2,473,197, June 14.

Evans, Theodora W.: *See*—
Adelson, David E., and Evans.

Evans, William O., Baltimore, and W. C. Schaefer, Parkville, assignors to The Glenn L. Martin Company, Middle River, Md. Anode rod for plating tanks. 2,472,796, June 14.

Excel Movie Products, Inc., assignee: *See*—
Karr, Philip L.

Fader, William L.: *See*—
Pettengill, George D., Jarvis, and Fader.

Failing, George E., Supply Company, The, assignee: *See*—
Alexander, Emmett L., and Braithwaite.

Fall, Albert P., Toledo, Ohio. Alighting gear. 2,473,470, June 14.

Farnsworth Research Corporation, assignee: *See*—
Larson, Christian C.

Federal Cartridge Corporation, assignee: *See*—
Hoffman, Harry W., and Helmer.

Feilroth, Karl, Minneapolis, Minn. Box tool. 2,473,418, June 14.

Fenske, Otto E., Jr., Spokis, Ill. Combined carrying case and table. 2,473,022, June 14.

Fersing, Leif, assignor to Jones & Lamson Machine Company, Springfield, Vt. Multiple turning head. 2,473,367, June 14.

Findley, Howard J., Chardon, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Ventilating and heating apparatus for vehicles. 2,473,281, June 14.

Fink, Lucynda L., Liscomb, Iowa. Hair waver. 2,473,198, June 14.

Firestone, Howard E., Salem, Ohio. Stair elevator. 2,472,943, June 14.

Fitzpatrick, Earl A., assignee: *See*—
Griffin, Linnie.

Fleming, William D., Denver, Colo. Automatic light control. 2,472,815, June 14.

Fletcher, Albert C., and D. Lloyd, Oklahoma City, Okla. Alternating current rectifier. 2,473,419, June 14.

Flintermann, Gerhard, Philadelphia, Pa. Suppository. 2,473,368, June 14.

Folzenlogen, Robert G.: *See*—
Lange, Willy, and Folzenlogen.

Food Machinery and Chemical Corporation, assignee: *See*—
Kerr, Charles E.

Ford, Eugene A., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Machine for sorting record cards. 2,472,890, June 14.

Foss, Joseph, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gripper mechanism. 2,472,816, June 14.

Foulke, Louise M. J., Brooklyn, N. Y. Toy horse. 2,472,797, June 14.

Fredendall, Gordon L., Feasterville, Pa., assignor to Radio Corporation of America. Low-pass filter system. 2,472,798, June 14.

Freeman, Ernest H., Wilmette, assignor, by mesne assignments, of one-half to H. Epstein and one-half to L. R. Duman, Chicago, Ill. Transformer. 2,473,420, June 14.

Friedberg, Milton R., Cleveland Heights, assignor to The Gabriel Company, Cleveland, Ohio. Outside mounted automobile antenna. 2,473,141, June 14.

Friedrich, Ed., Inc., assignee: *See*—
Brinkoeter, Paul H.

Frisell, Ernest: *See*—
Skipper, James, Marble, and Frisell.

Fubini, Eugene, New York, N. Y., and M. Hamermesh, Cambridge, Mass., assignors to the United States of America as represented by the Secretary of War. Search antenna array. 2,473,421, June 14.

Fuge, Fred T., Fostoria, Ohio. Electric ironing machine. 2,472,891, June 14.

Fuller, Roger A., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,473,246, June 14.

Furer, Edward, and C. B. Lonea, Burbank, Calif.; said Lonea assignor to said Furer. Gyroscopically stabilised camera boom. 2,472,944, June 14.

Gabriel Company, The, assignee: *See*—
Friedberg, Milton R.

Galdes, Alonso F., Redwood City, Calif., assignor to the United States of America as represented by the Secretary of War. Cartridge belt link. 2,472,817, June 14.

Galliano, John, assignor to Galliano Manufacturing Co., Oakland, Calif. Die casting machine. 2,473,366, June 14.

Galliano Manufacturing Co., assignee: *See*—
Galliano, John.

Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Tens carry mechanism for calculating machines. 2,473,422, June 14.

Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Carriage cushioning means for calculating machines. 2,473,471, June 14.

Garcia, Max M., Los Angeles, Calif. Music stand. 2,473,199, June 14.

Gardes, Alfred W., Detroit, Mich. Timing and control device. 2,472,818, June 14.

Garrett Corporation, The, assignee: *See*—
Mayer, Waldemar F.

Gaylord, Asa K., Portland, Oreg. Control mechanism. 2,473,004, June 14.

Gear Grinding Machine Company, The, assignee: *See*—
Miller, Fred F., Jr.

Geigy, J. R., A. G., assignee: *See*—
Keller, Ernst, and Zweidler.

Geis, Lester, New York, and R. E. Pope, Setauket, N. Y., assignors to Radio Corporation of America. Article holding album. 2,473,333, June 14.

Gelb, Herbert, assignor to J. Gelb, doing business as Joseph Gelb Company, New York, N. Y. Halftone screen holder. 2,473,023, June 14.

Gelb, Joseph, Company: *See*—
Gelb, Herbert.

General Electric Company, assignee: *See*—
Alexanderson, Ernst F. W., Edwards, and Hoyt.
Rivera, Maurice E.
Brittain, Francis H., and Ransley.
Byrne, John F.
Clark, Frank M.
Fuller, Roger A.
Hausheer, Emil M.
Hoffman, Herbert N.
Man, Eugene T.
Hutt, Philip.
Perry, Charles L.
Potter, Frederick M.
Potts, Phil S.
Rochow, Eugene G.
Scheidorf, Marvel W.
Smith, Robert E.
Wightman, Lawrence W.

General Foods Corporation, assignee: *See*—
Bender, Charles R.

General Motors Corporation, assignee: *See*—
Metzel, Harold N.

General Precision Laboratory Incorporated, assignee: *See*—
Greenwood, Ivan A., Jr.

George, Robert E., Columbus, Ohio. Digging tooth for excavating buckets. 2,472,892, June 14.

Gerson, Jules, New York, N. Y. Twin finger rings. 2,472,893, June 14.

Gevaert Photo-Producten N. V., assignee: *See*—
Merckx, Philibert R.

Giesen, Josef H., U. S. Navy. Mechanical skeleton. 2,472,819, June 14.

Gillings, Charles, Liverpool, and P. E. A. Cowley, Coventry, assignors to Automatic Telephone & Electric Company, Limited, Liverpool, England. Echo suppressor. 2,472,894, June 14.

Gilmore, Basil E., Windsor, Mo. Artificial fish lure. 2,473,142, June 14.

Gingrich, Clair C., Kewanee, Ill. Apparatus for detecting uncapped bottles. 2,472,945, June 14.

Glenwood Range Company, assignee: *See*—
Hurt, James P.
Stevens, Earle A.

Goldberg, Herman, Chicago, Ill. Drilling machine. 2,472,967, June 14.

Goldberg, Herman, Chicago, Ill. Drilling machine. 2,472,968, June 14.

Gordon, James, Chicago, Ill. Floor waxing and polishing device. 2,472,895, June 14.

Gorin, Everett, and A. G. Oblad, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of cyclohexene. 2,473,472, June 14.

Gorton, William G., Belmont, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Antihunt electrical servo system. 2,473,428, June 14.

Gottlieb, Maurice, Philadelphia, and F. A. Meyer, Sharon Hill, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus. 2,472,896, June 14.

Graham, William C., Brighton, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Gas tube controlled servo system. 2,473,424, June 14.

Graham, Joseph P., and W. E. Church, Midland, Mich., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Bonding machine. 2,472,820, June 14.

Graham, Joseph P., and E. D. Lowry, Midland, Mich., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Electrostatic bonding machine. 2,473,143, June 14.

Granholm, Herbert B.: *See*—
Eelner, Carl N., and Granholm.

Grant, William F., Miami, Fla. Screw cap opener. 2,473,425, June 14.

Graumann, Raymond L., Alexandria, Va. Sensitive fuse. 2,472,821, June 14.

Great Lakes Pipe Line Company, assignee: *See*—
Keane, Charles C.

Green, Glenn M.: *See*—
Ljungren, Thor H., and Green.

Greene, Charles, assignee: *See*—
Sciancalepore, Vito.

Greene, Howard B., Cheshire, Conn. Lighter. 2,472,822, June 14.

Greene, Leonard, assignee: *See*—
Ruben, Louis, and Zeik.

Greenwood, Ivan A., Jr., Pleasantville, N. Y., assignor to General Precision Laboratory Incorporated. Potentiometric circuit. 2,473,334, June 14.

Gregg, Jon, New Hope, Pa. Making fabricated articles. 2,473,024, June 14.

Gregg, Jon., New Hope, Pa. Baseball glove. 2,473,025, June 14.

Grene, George H. S., Watford, assignor of one-half to Wild-Barfield Electric Furnaces, Limited, Watford, Hertfordshire, England. Tilting salt bath furnace. 2,473,095, June 14.

Griffin, Lianie, assignor of one-half to Earl A. Fitzpatrick, Roanoke, Va. Shaft-pulling tool. 2,473,200, June 14.

Grubb, Roderic: *See*—
Campbell, Shirley P., and Grubb.

Guenthner, Harvey O., Antigo, Wis. Coupling pipe. 2,473,283, June 14.

Guinane, James P., Westport, Conn. Loose-leaf binder. 2,472,909, June 14.

Gullett Gin Company, assignee: *See*—
Wallace, Jeffrey J.

Gurtowski, John J.: *See*—
Barfield, Morris L., and Gurtowski.

Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Reclosing carton. 2,473,035, June 14.

Gynt, Sven, assignor to Allmauna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Winding arrangement in alternating current machines. 2,473,144, June 14.

Hallowell, Alban T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Xylyl trichlorothiolacetate. 2,472,897. June 14.

Halpern, Julius, Brookline, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Electrical apparatus. 2,473,426, June 14.

Hamermesh, Morton: *See*—
Fubini, Eugene, and Hamermesh.

Hamill, William W., Little Aston, England. Thermostatically-operated regulating of controlling apparatus. 2,473,097, June 14.

Hamill, William W., Little Aston, and R. S. Crump, Birmingham, England. Connecting rod. 2,473,096, June 14.

Hamilton, Clarence R., Roseville, Calif. Hatch cover operating device. 2,473,093, June 14.

Hanna, Edward J., assignor to Taylor Instrument Companies, Rochester, N. Y. Apparatus for the heat processing of canned products. 2,472,970, June 14.

Hanau, Merrill O., Dunedin, Victoria, Australia. Forging or upsetting of metal rods or bars using electric resistance heating. 2,473,245, June 14.

Hansen, Donald W., assignor to A. E. Staley Manufacturing Co., Decatur, Ill. Manufacture of corn products. 2,472,971, June 14.

Hardwick, Hindle, Inc., assignee: *See*—
Hastings, Donald F.

Hardwick-Hindle, Inc., assignee: *See*—
Hastings, Donald F., and Winkler.

Hardy, James A., assignor to Schwitzer-Cumming Company, Indianapolis, Ind. Vibration damper. 2,473,335, June 14.

Harlow, William R., U. S. Navy. Combat camera having handgrip operating means. 2,472,828, June 14.

Hasman, William H., Corporation, assignee: *See*—
Bud, Max.

Harris, Arthur, Brooklyn, N. Y. Three-dimensional puzzle. 2,473,800, June 14.

Hart & Cooley Manufacturing Company, assignee: *See*—
De Reo, William C.

Hart, Edwin J., Cedar Grove, and Max S. Matheson, Clifton, N. J., assignors to United States Rubber Company, New York, N. Y. Production of trichloroacetyl chloride. 2,472,946, June 14.

Hartford National Bank and Trust Company, assignee: *See*—
Posthumus, Klaas.
Strutt, Maximilliaan J. O., and van Hofwegen.
Warmolts, Nicolaas.
Watkinson, Eric, Strom, and Smith.

Hasche, Rodolph L., Johnson City, assignor to Tennessee Eastman Corporation, Kingsport, Tenn. Regenerative furnace construction. 2,473,427, June 14.

Hastings, Donald F., Fair Lawn, assignor to Hardwick, Hindle, Inc., Newark, N. J. Electrical rheostat device. 2,473,247, June 14.

Hastings, Donald F., Fair Lawn, and R. H. Winkler, Maplewood, assignors to Hardwick-Hindle, Inc., Newark, N. J. Adjustable resistor of the tubular type. 2,473,246, June 14.

Hatch, James M., Castine, Maine. Trapper's hip-length boot. 2,473,099, June 14.

Hausheer, Emil M., Schenectady, N. Y., assignor to General Electric Company. Commutator cone insulator and making the same. 2,473,248, June 14.

Hawes, Russell J., Cranford, W. F. Behrman, Westfield, and C. A. Campbell, Cranford, assignors to Tide Water Associated Oil Company, Bayone, N. J. Pour point depressant for oil compositions. 2,473,370, June 14.

Haya, Robert F., Jr., Syosset, N. Y., assignor to The Sperry Corporation. Radio scanning apparatus. 2,472,824, June 14.

Hasel, Ernest, Jr., St. Louis, Mo. Loose-leaf binder. 2,472,898, June 14.

Head, James F., Washington, D. C. Pipe lighter. 2,472,825, June 14.

Hearn, Hilton W., Houston, Tex. Lawn edger. 2,472,972, June 14.

Heath, Charles W., near Seattle, Wash. Nut dish. 2,473,026, June 14.

Heath, Robert C., W. R. Howe, and W. E. King, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Making contacts. 2,473,371, June 14.

Hebel, Carl G., Weehawken, N. J., and R. H. Wallace, Central Nyack, N. Y., assignors to Sperry Products, Inc., Hoboken, N. J. Liquid control gear. 2,473,282, June 14.

Heffernan, Robert C., Great Neck, N. Y. Garment hanger. 2,473,201, June 14.

Heln, Clarence A., Denver, Colo. Sanding and finishing tool. 2,472,899, June 14.

Helmer, Grover H.: *See*—
Hoffman, Harry W., and Helmer.

Henderson, Roe P., assignor to The Springfield Leather Products Co., Springfield, Ohio. Billfold with gusset pocket. 2,473,056, June 14.

Hensley, William H.: *See*—
Johnston, Franklin, and Hensley.

Herber, Leonard, Minneapolis, Minn. Butter dispensing machine. 2,473,057, June 14.

Herbrick, Milton B., Sterling, Colo. Tire chain release device. 2,472,826, June 14.

Herbrick, Milton B., Sterling, Colo. Tire chain release device. 2,472,827, June 14.

Herbrick, Milton B., Sterling, Colo. Tire chain release device. 2,472,828, June 14.

Hercules Powder Company, assignee: *See*—
Zebree, David T.

Herriott, Irving, Chicago, assignor of one-half to D. M. Davis, Oak Park, Ill. Keyholder. 2,473,428, June 14.

Hershman, Bernard, Pittsburgh, Pa. Antiskid cross strip. 2,473,249, June 14.

Hess, Frederick O., Philadelphia, L. F. Miller, Hatboro, and K. L. Dietrich, Jr., assignors to Seiss Corporation of America, Philadelphia, Pa. Unit type airplane heater. 2,473,372, June 14.

Hesselbart, Robert C., Toledo, Ohio, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company. Preparation of water-soluble thermosetting resins. 2,473,145, June 14.

Hiatt, Gordon D., and C. L. Crane, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing regenerated cellulose. 2,473,478, June 14.

Higgitt, Harry V., assignor to Cable & Wireless Limited, London, England. Telegraph system with code conversion and error detection. 2,473,202, June 14.

Hill, Ronald A.: *See*—
Wynn, Arthur A., and Hill.

Hinman, Harry L., Indianapolis, Ind. Bottle carrier. 2,473,429, June 14.

Hlobil, Josef S. J., Portland, Oreg. Universal cargo aircraft. 2,472,947, June 14.

Hobday, Gordon I.: *See*—
Short, Wallace F., Hobday, and Oxley.

Hoeldtke, Martin, St. Petersburg, Fla. Awning bracket. 2,473,058, June 14.

Hoenie, Norman J.: *See*—
Landis, George G., and Hoenie.

Hoff, James L.: *See*—
Tama, Manuel and M., and Hoff.

Hoffar, Henry S., near Sidney, British Columbia, Canada, assignor, by mesne assignments, to Le Roi Company, Milwaukee, Wis. Piston coupling mechanism. 2,473,430, June 14.

Hoffman, Harry W., Oneka, and G. H. Helmer, assignors to Federal Cartridge Corporation, Minneapolis, Minn. Pressure testing apparatus and control circuits therefor. 2,472,972, June 14.

Hoffman, Herbert N., Wakefield, Mass., assignor to General Electric Company. Dual ratio gearing. 2,473,250, June 14.

Hohl, George C., assignee: *See*—
Carson, Russell M.

Holt, Josephine L., Oakland, Calif. Corset attachment. 2,472,974, June 14.

Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separating solids from liquid suspensions. 2,472,976, June 14.

Hoover, Charles O., Houston, Tex., assignor to Air Reduction Company, Incorporated, New York, N. Y. Treatment of crude petroleum oil. 2,473,431, June 14.

Hoppmann, William H., Valley Stream, N. Y. Peak accelerometer. 2,472,829, June 14.

Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Paper machine wire stringing device. 2,473,100, June 14.

Houghtaling, Guy R., Rochester, N. Y. Machine for making circular form tools. 2,472,975, June 14.

Howe, Ralph F., Baton Rouge, La., assignor to Standard Oil Development Company. Dioleñn distillation. 2,473,203, June 14.

Howe, Willis R.: *See*—
Heath, Robert C., Howe, and King.

Howell, John D., Westport, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Bolt head and extractor for firearms. 2,473,373, June 14.

Hoyt, Gerald A.: *See*—
Alexanderson, Ernst F. W., Edwards, and Hoyt.

Hsu, Eugene T., New York, N. Y., assignor to General Electric Company. High-frequency dielectric heating apparatus. 2,473,251, June 14.

Huber, Robert, Paris, assignor to Societe d'Etudes et de Participations, Eau, Gaz, Electricite Energie S. A., Geneva, Switzerland. Free piston engine control. 2,473,204, June 14.

Huff, Harry A., Jr., Jersey City, N. J., assignor to Air Reduction Company, Incorporated. Cutting and welding machine. 2,472,948, June 14.

Hughes, Burton S., assignor to Zaremba Company, Buffalo, N. Y. Vortical current separator. 2,473,488, June 14.

Hulse, Newton M.: *See*—
Donaldson, Jefferson R., and Hulse.

Hunsicker, Harold Y., Cleveland, and L. W. Kempf, Shaker Heights, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Bearing alloy. 2,473,059, June 14.

Hunsicker, Harold Y., Cleveland, and L. W. Kempf, Shaker Heights, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Bearing alloy. 2,473,060, June 14.

Hunt, Nelson V., Colorado Springs, Colo. Paper and trash pickup tongs. 2,473,146, June 14.

Hunter, Edward A.: *See*—
Schexnailder, Robert E., Jr., and Hunter.

Hunter, Edward A., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of silica containing catalysts. 2,472,830, June 14.

Hunter, Edward A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Preparation of a silica-metal oxide hydrogel catalyst. 2,472,831, June 14.

Hunter, Edward A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Preparation of a silica-group IV metal oxide catalyst. 2,472,832, June 14.

Hunter, Edward A., and C. N. Kimberlin, Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of a silica-group VIII metal oxide catalyst. 2,472,833, June 14.

Hutchinson, Alton E., Milwaukee, Wis., and G. G. Thomas, Detroit, Mich., assignors, by mesne assignments, to Dowl Products, Inc., Milwaukee, Wis. Dispensing cigarette lighter. 2,472,835, June 14.

Hutt, Philip, Milford, Conn., assignor to General Electric Company. Push-button switch. 2,473,252, June 14.

Hutter, William H., Chicago, Ill. Phonograph needle. 2,473,374, June 14.

Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Production of alkali-metal salts of triorganosilanols. 2,472,799, June 14.

Hyler, John H., North Peklin, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Double universal connection for vehicle coupling and steering devices. 2,473,375, June 14.

I. T. E. Circuit Breaker Company, assignee: *See*—
Scott, William M., Jr.

Ifield, Richard J., assignor to Joseph Lucas, Limited, Birmingham, England. Reciprocatory pump and the like. 2,473,336, June 14.

International Business Machines Corporation, assignee: *See*—
Cunningham, James M.
Ford, Eugene A.
Paris, Robert E.

International Mutoscope Corporation, assignee: *See*—
Dart, Rodger W., and Jenkins.

Jack & Heintz Precision Industries, Inc., assignee: *See*—
Nyman, Carl G.

Jackson, Clarence E.: *See*—
Beyer, Frederick C., and Jackson.

Jackson, James O., Crafton, Pa., assignor to Pittsburgh-Des Moines Company. Flexible nozzle for supersonic wind tunnels. 2,472,949, June 14.

Jacobsen, Oyetein, Montgomery County, assignor to The Dartron Company, Inc., Dayton, Ohio. Shaft seal. 2,473,061, June 14.

Jarvis, Thomas F.: *See*—
Pettengill, George D. Jarvis, and Fader.

Jaswieck, Joseph J., Columbus, Nebr. Fire escape control mechanism. 2,473,205, June 14.

Jeffrey Manufacturing Company, The, assignee: *See*—
Banroth, Walter J.
Marcier, Stanley M.

Jenkins, Paul W.: *See*—
Singleton, Fred O., and Jenkins.

Jenkins, Sydney: *See*—
Dart, Rodger W., and Jenkins.

Jensen, Harry T., Milford, assignor to United Aircraft Corporation, East Hartford, Conn. Slip-ring structure. 2,473,147, June 14.

Johnston, Franklin, and W. H. Hensley, St. Albans, W. Va., assignors to Carbide and Carbon Chemicals Corporation. Vinyl chloride resins plasticised with diester-amides. 2,472,900, June 14.

Johnston, Franklin, and W. H. Hensley, St. Albans, W. Va., assignors to Carbide and Carbon Chemicals Corporation. 2,2'(2-ethylhexanamido)diethyl di(2-ethylhexanoate). 2,472,901, June 14.

Johnston, George X., St. Clair, Mich. Cam making machine. 2,472,902, June 14.

Johnston, Lawrence H., Rural, N. Mex., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Electronic squara wave signal generator. 2,473,432, June 14.

Jones & Lamson Machine Company, assignee: *See*—
Fersing, Leif.

Jones, Minor C. K., Mountainside, and R. C. Brandon, Elizabeth, N. J., assignors to Standard Oil Development Company. Selectively polymerizing dioleñns in an unsaturated and aromatic gasoline distillate. 2,473,206, June 14.

Jones, Walter J., Lomita, Calif., assignor to Columbia Steel Company. Molder's flask. 2,473,101, June 14.

Joos, August G., Velda Village, assignor to Wagner Electric Corporation, St. Louis, Mo. Radiator valve assembly. 2,473,148, June 14.

Joy Manufacturing Company, assignee: *See*—
Russell, John D.

Joelss, David, Brooklyn, N. Y., assignor to American Lead Pencil Company, Hoboken, N. J. Mechanical pencil with step-by-step lead feeding means. 2,473,149, June 14.

Jugle, Leonard L.: *See*—
Cook, John B., and Jugle.

K. L. G. Sparking Plugs Limited, assignee: *See*—
Carington, Charles M., and Shoobert.

Kamholtz, Richard, New York, N. Y. Extension table construction. 2,472,903, June 14.

Kaplan, Max, New York, N. Y. Flexible bag with metal gusset. 2,473,489, June 14.

Kappeler, Hans, assignor to the firm Autophon Aktiengesellschaft, Soleure, Switzerland. Transmitting antenna with automatic tuning, particularly for aircraft wireless. 2,472,904, June 14.

Karr, Philip L., assignor to Excel Movie Products, Inc., Chicago, Ill. Film reel construction. 2,472,337, June 14.

Kass, John C., Ravenna, Mich. Tractor hitch. 2,472,905, June 14.

Katterjohn, August H., assignor to Reed Roller Bit Company, Houston, Tex. Pneumatic drilling tool. 2,473,433, June 14.

Keane, Charles C., assignor to Great Lakes Pipe Line Company, Kansas City, Mo. Apparatus for adding powdered dye to liquids. 2,473,474, June 14.

Keenan, Walter, Little Falls, N. J. Nonrefillable bottle. 2,472,950, June 14.

Keevil, Henry W.: *See*—
Barnes, Walter C., and Keevil.

Keller, Ernst, and R. Zweidler, assignors to J. R. Geigy A. G., Basel, Switzerland. Water soluble triazine condensation products and making same. 2,473,475, June 14.

Kellogg, M. W., Company, The, assignee: *See*—
King, Charles C.

Kemp, Charles B., assignee: *See*—
Biebigteroth, Maximilian.

Kempf, Louis W.: *See*—
Hunsicker, Harold Y., and Kempf.

Kennedy, Carlton L., South Braintree, and K. W. Macdonald, Watertown, Mass., assignors to The Seamless Rubber Company, New Haven, Conn. Surgical bandage. 2,473,062, June 14.

Kennedy, Earnest R., and L. E. Kennedy, Defiance County, Ohio. Reversible propeller. 2,472,836, June 14.

Kennedy, Lowell E.: *See*—
Kennedy, Earnest R. and L. E.

Kepfer, Raymond J.: *See*—
Boller, Ernest R., Eubank, and Kepfer.

Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery and Chemical Corporation. Shear tenderness tester. 2,473,063, June 14.

Koepler, Louis, Brooklyn, N. Y. Shoe tree. 2,473,207, June 14.

Keyser, Harold C., assignor to American Steel Foundries, Chicago, Ill. Spring product and forming same. 2,473,237, June 14.

Kilbarger, Clyde R., Elkhart, Ind. Vehicle spring preloading device. 2,473,336, June 14.

Kimberlin, Charles N., Jr.: *See*—
Hunter, Edward A., and Kimberlin, Jr.

Kimbrough, Warren C., Portland, Oreg. Gas trap. 2,473,150, June 14.

King, Charles C., Roselle, assignor to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,473,837, June 14.

King, Laurie B., Greensboro, N. C. Soap tray. 2,473,376, June 14.

King, Stanley G., London, England, assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Mercury vapor rectifying apparatus. 2,473,151, June 14.

King, Walter E.: *See*—
Heath, Robert C., Howe, and King.

Kirchmeyer, Frederick J., Waukegan, and I. E. Card, North Chicago, Ill., assignors to Abbott Laboratories. Stable, sterile aqueous solutions of streptomycin and making same. 2,473,339, June 14.

Kjellström, Alvar E. P., Stockholm, Sweden. Stretching device for the heel wire of ski ties. 2,472,906, June 14.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. System for charging and discharging energy storage devices. 2,472,838, June 14.

Klinke, Henry O., Forest Hills, N. Y., assignor to Air Reduction Company, Incorporated. Method and apparatus for controlling torch spacing. 2,472,951, June 14.

Kleckas, Otto A., Rock Island, Ill. Bolster for four-wheel commercial and farm trailers. 2,473,240, June 14.

Klumb, Harvey A.: *See*—
Wilder, Cecil L., and Klumb.

Knaggs, Harold J., assignor to The Weatherhead Company, Cleveland, Ohio. Apparatus for molding sealing rings. 2,473,284, June 14.

Knowlton, James W., assignor to Norton Company, Worcester, Mass. Method and mold for making boron carbide articles. 2,473,476, June 14.

Koch, Winfield E., Haddonfield, N. J., assignor to Radio Corporation of America. Ground wire system. 2,473,377, June 14.

Koerer, William H., Two Rivers, Wis. Sliding door lock. 2,473,285, June 14.

Kolesnikoff, Mark T., Los Angeles, Calif. Focus and magnification indicator for photographic enlargers. 2,472,907, June 14.

Koolman, Eduard C., and J. Overhoff, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Unsaturated halogen-containing nitro compounds and their production. 2,473,341, June 14.

Koopman, Kenneth H., Kenmore, N. Y., assignor to Union Carbide and Carbon Corporation. Copper base alloy. 2,473,038, June 14.

Koppers Company, Inc., assignee: *See*—
Dean, Fred.

Kovan, Louis, Astoria, N. Y. Necktie rack. 2,473,029, June 14.

Kramer, Fred S., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Steering nozzle for jet-propelled aircraft. 2,472,839, June 14.

Kreitner, John: *See*—
Nettel, Frederick, and Kreitner.

Kreutzer, Casper, Milltown, N. J. Tool for reaping asparagus and the like. 2,473,152, June 14.

Krouse, John H., assignor to Victaulic Company of America, New York, N. Y. Coupling for brittle pipes. 2,473,102, June 14.

Kulastic Company, Inc., assignee: *See*—
Kulman, Herman M.

Kulman, Herman M., assignor to Kulastic Company, Inc., Atlanta, Ga. Composition comprising a copolymer of vinyl chloride-vinyl acetate and ground peanut hulls and making same. 2,473,030, June 14.

Lager, Roger K., Lakewood, assignor to The Continental Pharmacal Company, Cleveland, Ohio. Blood filter. 2,473,153, June 14.

Laminated Shim Company, assignee: *See*—
Seipt, Richard, and Steves

Landis, George G., South Euclid, and N. J. Hoenle, Cleveland Heights, assignors to The Lincoln Electric Company, Cleveland, Ohio. Apparatus for electromagnetically controlling welding arcs. 2,472,851, June 14.

Lange, Willy, and R. G. Felsenleiger, Cincinnati, assignors to The Procter & Gamble Company, Ivorydale, Ohio. Production of soap from hydrogenated vegetable oils. 2,473,154, June 14.

La Place, Desmond R., Pittsburgh, Pa., assignor to Bocji Corporation. Stapling apparatus. 2,473,253, June 14.

Larsen, Merwin J., assignor to Stromberg-Carlson Company, Rochester, N. Y. Apparatus for linearising sawtooth waves. 2,473,208, June 14.

Larson, Charles O., Sterling, Ill. Folding sawhorse. 2,473,342, June 14.

Larson, Christian C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Electron multiplier for ultra high frequencies. 2,472,031, June 14.

La Salle Designing Company, assignee: *See*—
Conn, Alfred J., and Stanley.

La Soudure Electrique Autogene, Societe Anonyme, assignee: *See*—
Schmerber, Raoul J.

Lathers, Matthew F., Saint Augustine, Fla. Baffle type muffler. 2,473,103, June 14.

La Blond, E. K., Machine Tool Co., The, assignee: *See*—
Meyer, Walter R., and Siekmann.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Multifilter assembly for filtering oil or liquids. 2,473,032, June 14.

Lefevre, Martial A., Crepy-en-Valois, France. Arrangement for sawing stones. 2,473,104, June 14.

Leman, Arthur L., Houston, Tex. Reciprocating pump piston and assembly. 2,473,064, June 14.

Leonard, Thomas E., Portland, Oreg. Truck dolly. 2,472,952, June 14.

Le Roi Company, assignee: *See*—
Hoffar, Henry S.

Letac, Roger, Marseille, France. Sterilized and air-conditioned chamber for surgical uses. 2,473,033, June 14.

La Tourneau, R. G., Inc., assignee: *See*—
Hyler, John H.

Levesque du Rostu, Georges, assignor to Societe Anonyme Andre Citroen, Paris, France. Centrifugal switch device. 2,473,343, June 14.

Lewton, Ross, assignor to Chrysler Corporation, Highland Park, Mich. Valve construction. 2,472,840, June 14.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Hesselbart, Robert C.

Liberson, Wladimir T., Hartford, Conn. Electric convulsive therapy. 2,473,378, June 14.

Lighton, Lester E., Glenside, Pa., assignor to The Electric Storage Battery Company. Filling and venting structure for storage batteries. 2,472,852, June 14.

Lincoln Electric Company, The, assignee: *See*—
Landis, George G., and Hoenle.

Lindgren, Hans O., Appelviken, assignor to Aktiebolaget Separator, Stockholm, Sweden. Teat cup. 2,473,379, June 14.

Lindquist, Frank D., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam for looms. 2,473,155, June 14.

Lindsey, Richard V., Jr., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing hydrocarbometallic halides. 2,473,484, June 14.

Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Treating a hydrocarbon mixture which is contaminated by small amounts of organic fluorine compounds. 2,472,908, June 14.

Lipe-Rollway Corporation, assignee: *See*—
Spase, Charles B.

Lister, B. A., & Company Limited, assignee: *See*—
Morris, Alberto Y.

Littmann, Martin F., Middletown, Ohio, assignor to Armco Steel Corporation. Developing high magnetic permeability and low core loss in very thin silicon steel. 2,473,156, June 14.

Ljunggren, Thor H., and G. M. Green, assignors to Bryant Chucking Grinder Company, Springfield, Vt. Combination diaphragm and clamp chuck. 2,473,380, June 14.

Lloyd, Donald: *See*—
Fletcher, Albert C., and Lloyd.

Lloyd, William H. : *See*—
Conrad, Joseph D., and Lloyd.

Loftus Engineering Corporation, assignee: *See*—
Campion, Donald C.

Lombardi, Cyrus, Brooklyn, N. Y. Buckle. 2,473,209, June 14.

Lonngren, Harald E., New York, N. Y. Straighten shoe soles. 2,473,490, June 14.

Lonon, Charles B.: *See*—
Purse, Edward, and Lonon.

Loreatsen Hardware Mfg. Corp., assignee: *See*—
Nelson, Harry.

Lorens, Anton, Buffalo, N. Y. Reclining article of furniture. 2,472,854, June 14.

Lorens, Anton, Buffalo, N. Y. Reclining article of furniture. 2,472,855, June 14.

Lorens, John, Forest Hills, N. Y., assignor, by mesne assignments, to E. U. Andrews, Greenwich, Conn. Shaving appaartus. 2,472,853, June 14.

Lowry, Robert D.: *See*—
Graham, Joseph P., and Lowry.

Lucas, Joseph, Limited, assignee: *See*—
Ifield, Richard J.

Lucia, Carroll J., Toledo, Ohio, and F. R. McFarland, Huntington Woods, assignors Packard Motor Car Company, Detroit, Mich. Transmission mechanism. 2,473,157, June 14.

Luckens, Claude A., Jr., Steamboat Springs, Colo. Ski pole. 2,473,158, June 14.

Luenberger, Frederick O., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Electric motor mounting. 2,473,105, June 14.

Lundstrom, Nels, Altmont, N. Dak. Fireless brooder. 2,472,909, June 14.

Lusader, Bert C., Sr., Jonesboro, La. Blowpipe for heating tools. 2,473,435, June 14.

Lyman, Harold T., Jr., Glen Arm, Md., assignor to Remington Rand Inc., New York, N. Y. Counting tube transfer circuit. 2,473,159, June 14.

Lynd, Elmer F., Cleveland, Ohio. Alarm, light, and safety signaling device. 2,473,436, June 14.

Lytle, Lawrence D.: *See*—
Cullinan, John F., and Lytle.

M. & R. Dietetic Laboratories, Inc., assignee: *See*—
Orthe, Herbert E., Chrysler, and Almy.

Macdonald, Kenneth W.: *See*—
Kennedy, Carlton L., and Macdonald.

Madrigal, Frank L., Tulsa, Okla. Mold jacket. 2,473,160, June 14.

Mageoch, Harry Y., Havertown, and A. J. Shaback, assignors to Electric Service Manufactoring Company, Philadelphia, Pa. Fluorescent lamp socket. 2,472,977, June 14.

Magnus, Finn H., Essex Fells, assignor, by mesne assignments, to Magnus Harmonica Corporation, Newark, N. J. Harmonica and wind cell block therefor. 2,473,210, June 14.

Magnus Harmonica Corporation, assignee: *See*—
Magnus, Finn H.

Mahon, Frank, Chicago, Ill. Universal golf club head. 2,472,978, June 14.

Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Flexible shaft machine. 2,473,286, June 14.

Mall Tool Company, assignee: *See*—
Mall, Arthur W.

Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical perforator. 2,473,437, June 14.

Mallina, Rudolph F., Hastings on Hudson, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,473,438, June 14.

Mallory, P. R., & Co., Inc., assignee: *See*—
Aust, Robert J.
Heath, Robert C., Howe, and King.

Maloney, Francis J., Warren, Ohio. Multiple switch. 2,473,287, June 14.

Manookian, Harry A., Chicago, Ill. Airplane. 2,472,656, June 14.

Man-Sew Corporation, assignee: *See*—
Sigoda, Victor J.

Marble, Howard: *See*—
Skipper, James, Marble, and Frisell.

Marlowe, Donald E.: *See*—
Thompson, John L., and Marlowe.

Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Tetrahydro-1-hydroxy-2 and -3- naphthamidobenzaldehydes and their acetals with lower alkanols and 1,2-and 1,3-alkanediols. 2,472,910, June 14.

Martin, Elmore L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Quinoneimine dyes from hydroxy-benzamidobenzaldehyde and hydroxybenzsulfamido benzaldehyde acetals of lower alkanols and 1, 2- and 1,3-alkanediols. 2,472,911, June 14.

Martin, Glenn L., Company, The, assignee: *See*—
Evans, William G., and Schaefer.

Massey, Albert G.: *See*—
Rodeck, Armin H., and Massey.

Massey Machine Company, assignee: *See*—
Rodeck, Armin H., and Massey.

Mastabar Belt Fastener Company Limited, assignee: *See*—
Tebb, Bernard.

Matheson, Max S.: *See*—
Hart, Edwin J., and Matheson.

Mathieson, Roderick R., Grosse Pointe Park, Mich. Telephone handset supporting fixture. 2,473,106, June 14.

Maxfield, Herbert L., Banstead, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Motor fuel. 2,473,439, June 14.

May, Richard W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Semiautomatic tuner device for radio apparatus and the like. 2,472,979, June 14.

Mayer, Waldemar F., assignor to The Garrett Corporation, Los Angeles, Calif. Air conditioning system. 2,473,496, June 14.

McBee, Earl T., La Fayette, Ind., and L. W. Devaney, Fishkill, N. Y., assignors to Purdue Research Foundation, West Lafayette, Ind. Propane chlorination. 2,473,161, June 14.

McBee, Earl T., West Lafayette, Ind., and L. W. Devaney, Fishkill, N. Y., assignors to Purdue Research Foundation, West Lafayette, Ind. Liquid phase chlorination. 2,473,162, June 14.

McBride, Charles B.: *See*—
Watson, John E., and McBride.

McCarter, William S. W., Bala-Cynwyd, assignor to Attapulgus Clay Company, Philadelphia, Pa. Drying alcohols. 2,472,912, June 14.

McClere, Doit W. G., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Pneumatic dispatch signaling system. 2,472,857, June 14.

McCown, William E., Gloucester, N. J., assignor to Radio Corporation of America. Overload protection system. 2,473,344, June 14.

McCoy, Ewald H., Chicago, Ill. Plating nickel on aluminum. 2,473,163, June 14.

McCoy, John J., Los Angeles, Calif. Two-cycle engine. 2,473,164, June 14.

McFarland, Forest R.: *See*—
Lucia, Carroll J., and McFarland.

McKinney, Horace C., assignor of one-half to Evelyn R. Minter, Rocksprings, Tex. Three-way vegetable slicer. 2,473,165, June 14.

McLeod, Norman W.: *See*—
Baskin, Charles M., and McLeod.

McNeely, Lowell, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Apparatus for and method of returning purged inert gas to an absorption refrigerating system. 2,473,384, June 14.

McNeill, Albert G., assignor to Bachmaan Bros., Inc., Philadelphia, Pa. Combination table utensil. 2,473,268, June 14.

McQueen, David M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azomethine dyes from acylactamidobensaldehyde acetals. 2,472,913, June 14.

Meade, Reginald E., N. E. Taylor, and J. F. Crews, Appleton, Wis., assignors to Western Condensing Company, San Francisco, Calif. Spray device. 2,473,035, June 14.

Meier, Heinrich, assignor to Zellweger A. G., Apparate-und Maschinenfabriken Uster, Uster, Switzerland. Passing of warp threads through reeds. 2,473,286, June 14.

Mendelsohn, Irving, Brooklyn, N. Y. Dual reel wire connector for ironing boards. 2,473,107, June 14.

Menzies, Clifford, Detroit, Mich. Heat-treat furnace. 2,473,381, June 14.

Mercier, Stanley M., Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Safety apparatus. 2,472,914, June 14.

Mercky, Philibert R., assignor to Gevaert Photo-Producten N. V. Mortsel-Antwerp, Belgium. Production of photographic images by color development. 2,473,166, June 14.

Meschter, Emery, Towanda, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for treating motion-picture film. 2,473,382, June 14.

Messinger, Lester H., Trumbull, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Tube sizing machine. 2,473,383, June 14.

Metals & Controls Corporation, assignee: *See*—
Vaughan, Victor G.

Metropolitan-Vickers Electrical Company Limited, assignee: *See*—
Baumann, Karl.

Metzel, Herold N., East Lansing, assignor to General Motors Corporation, Detroit, Mich. Recuperator system for airplane cannons. 2,473,211, June 14.

Meyer, Chester J., Speed, Kans. Tractor drawn hay rake. 2,472,953, June 14.

Meyer, Frank A.: *See*—
Gottlieb, Manioue, and Meyer.

Meyer, Paul H.: *See*—
Ahrndt, Arthur H., and Meyer.

Meyer, Walter R., and H. J. Siekmann, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Center drive lathe power chucking mechanism. 2,473,108, June 14.

Microstat Corporation, assignee: *See*—
Yohn, Fred C.

Millard, George E., Berkeley, Calif. Apparatus for plating journals of crankshafts. 2,473,290, June 14.

Miller, Camillo, Hamilton, Ontario, Canada. Vacuum cleaner. 2,473,066, June 14.

Miller, Carlton W., and N. B. Nichols, assignors to Taylor Instrument Companies, Rochester, N. Y. Measuring system and saturable reactor for use therein. 2,472,980, June 14.

Miller, Charles L., Altoona, Pa. Hand brake lever controlled door locking device. 2,472,916, June 14.

Miller, Edwin, Jeanette, Pa. Machine for applying rubber tire treads to carcasses. 2,473,067, June 14.

Miller, Fred F., Jr., Berkley, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Constant velocity universal joint. 2,473,036, June 14.

Miller, Karl, Detroit, Mich. Lock for closures. 2,473,065, June 14.

Miller, Karl H., North Canton, assignor to Diebold, Incorporated, Canton, Ohio. Wall panel joint construction. 2,472,981, June 14.

Miller, Lawrence F.: *See*—
Hess, Frederic O., Miller, and Dietrich, Jr.

Mills, Howard, assignor to The Denison Engineering Company, Columbus, Ohio. Two-hand control. 2,473,167, June 14.

Milster, Arthur N., St. Louis, Mo., assignor to Wagner Electric Corporation. Selective operation of systems by a unit cylinder. 2,473,168, June 14.

Mine Safety Appliances Company, assignee: *See*—
Strange, John P., and Yant.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Roeche, John O.
Wannamaker, William H., Jr.
Wild, Rudolf F.

Minier, Evelyn R., assignee: *See*—
McKinney, Horace C.

Mistretta, Vincent F.: *See*—
Schneider, Helmuth G., and Mistretta.

Mitchell Manufacturing Company, assignee: *See*—
Cohler, Irving H.

Moeller, Robert C., North Tonawanda, N. Y. Reversible car. 2,472,440, June 14.

Molat, Joseph H.: *See*—
Elker, Robert T., and Molat.

Monroe Auto Equipment Company, assignee: *See*—
Whisler, Ralph H., Jr.

Monroe Calculating Machine Company, assignee: *See*—
Gang, Herman.

Monsanto Chemical Company, assignee: *See*—
Walter, Henry A.

Monson Manufacturing Co., Inc., assignee: *See*—
Monson, Sidney A.

Monson, Sidney A., Belleglade, assignor to Monson Manufacturing Co., Inc., Lakeland, Fla. Aircraft sprayer. 2,473,212, June 14.

Montero, Ricardo G., New York, N. Y. Holder. 2,473,086, June 14.

Moon, James M., Graham, N. C. Electromagnetic checkerboard. 2,472,916, June 14.

Moore, William E., Pittsburgh, Pa., assignor to Delaware Engineering Corporation. Adjustable roof mounting means for top charged electric furnaces. 2,472,954, June 14.

Moorman, Charles L., Millington, Ill., assignor to Union Asbestos & Rubber Company. Refrigerator car with a movable bulkhead. 2,473,109, June 14.

Morgan, Erving B., and R. W. Clay, assignors to American Seating Company, Grand Rapids, Mich. Chair with folding table leaf. 2,473,037, June 14.

Morris, Alberto J., assignor to R. A. Lister & Company Limited, Dursley, England. Piston with annular heat dam in the head. 2,473,254, June 14.

Morse, Robert O., assignee: *See*—
Adams, Arthur A.

Moss, Eric B., assignor to S. Smith & Sons (England), Limited, London, England. Dial mounting. 2,473,291, June 14.

Mouchiroud, Antoine F. G., and J. A. Trillat, Lyon, assignors to Societe "Rhodiaceta," Paris, France. Apparatus and method of dry spinning vinyl compounds. 2,472,842, June 14.

Mueller, Alfred: *See*—
Crane, Charles R., II, and Mueller.

Muiee, Robert K., Congers, N. Y. Material handling device. 2,472,843, June 14.

Muller, John A., Princeton, assignor to Thermoid Company, Trenton, N. J. Hose coupling. 2,473,441, June 14.

Munday, John C., Cranford, N. J., and E. W. S. Nicholson, Baton Rouge, La., assignors to Standard Oil Development Company. Maintenance of catalyst activity in hydrocarbon conversion processes. 2,472,844, June 14.

Munts, Alan, & Company Limited, assignee: *See*—
Beale, Evelyn S. L.

Myers, Joseph W., assignor, by mesne assignments, to Proctor Electric Company, Philadelphia, Pa. Coffee filter. 2,472,955, June 14.

N. V. Verenigde Tabakeindustrieen Mignot & De Block, assignee: *See*—
Brouns, Hubert E.

Nalpantian, Rebecca, San Francisco, Calif. Syringe. 2,473,068, June 14.

Nameyah, Wilfred, assignor to William Pretty & Sons (1930) Limited, Ipswich, England. Form of corset. 2,472,982, June 14.

Nathan, Emanuel, Maplewood, N. J. Spectacle case. 2,473,292, June 14.

National Brass Company, assignee: *See*—
Vander Henst, Abraham.

National Electric Instrument Co., Inc., assignee: *See*—
Sawa, Ignas.

National Lock Company, assignee: *See*—
Stone, Roy A.

National Smelting Company Limited, The, assignee: *See*—
Robson, Stanley.

National Technical Laboratories, assignee: *See*—
Beckman, Arnold O.

Navy, United States of America, as represented by the Secretary of, assignee: *See*—
Ridenour, Louis N.

Neher, Harry T.: *See*—
Croxall, Willard J., and Neher.

Neiswander, Robert S., U. S. Navy. Tensiometer. 2,472,845, June 14.

Nelson, Harry, assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y. Venetian blind bracket. 2,473,293, June 14.

Nelson, Harry, assignor to Lorentzen Hardware Mfg. Corp., New York, N. Y. Venetian blind structure. 2,473,294, June 14.

Nemeth, Otto R., Chicago, Ill., assignor, by mesne assignments, to Helene Curtis Industries, Inc. Motion-picture projector. 2,472,983, June 14.

Nettel, Frederick, Manhasset, and J. Kreitner, New York, N. Y. Heat power plant. 2,472,846, June 14.

Nichols, Frederick S., Melrose, Mass. Ruffle curtain. 2,472,956, June 14.

Nichols, Nathaniel B.: *See*—
Miller, Carlton W., and Nichols.

Nicholson, Edward W. S.: *See*—
Munday, John C., and Nicholson.

Nicholson, Madison G., Jr., Snyder, assignor to Colonial Radio Corporation, Buffalo, N. Y. Tuning contral system for signal seeking receivers. 2,472,957, June 14.

Nicolaeff, Boris A., Montreal, Quebec, Canada. Rotary aircraft athodyd motor. 2,472,917, June 14.

Nika, Nicholas J., Munising, Mich. Apparatus for manufacture of paper. 2,473,069, June 14.

Nissen, Martin E., Hutchinson, Minn. Kite plane device. 2,473,213, June 14.

Norton Company, assignee: *See*—
Knowlton, James W.

Nyman, Carl G., Shaker Heights, assignor, by mesne assignments, to Jack & Heints Precision Industries, Inc., Cleveland, Ohio. Aircraft bank and turn control system. 2,472,918, June 14.

Oakhill, Frederic E.: *See*—
Bader, Paul W., and Oakhill.

Oblad, Alex G.: *See*—
Gorin, Everett, and Oblad.

Oblon, Felix A., Garfield Heights, Ohio. Grid controlled polyphase rectifier. 2,473,386, June 14.

O-Cedar Corp'n, assignee: *See*—
Bader, Paul W., and Oakhill.

Ochs, Sidney A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Valve construction. 2,472,841, June 14.

O'Connor, Jack N., and S. M., Los Angeles, Calif. Miniature animal toy car. 2,473,295, June 14.

O'Connor, Jack N., and S. M., Los Angeles, Calif. Miniature animal toy car. 2,473,296, June 14.

O'Connor, Stella M.: *See*—
O'Connor, Jack N., and S. M.

Ohio Crankshaft Company, The, assignee: *See*—
King, Stanley G.

Oldak, Jacob M., Brooklyn, N. Y. Cuff link construction. 2,472,958, June 14.

Oleon, Raymond E., Pittsford, assignor to Taylor Instrument Companies, Rochester, N. Y. Heat exchange system. 2,472,984, June 14.

Orr, Ralph B., Logansport, Ind. Type lock for mailing gallevs. 2,473,214, June 14.

Osborne, Walter S., Sumter, S. C. Fungicidal lacquer. 2,472,847, June 14.

Oslund, Axel E., Santa Rosa, Calif. Hop and leaf separator. 2,473,215, June 14.

Ostling, William, assignor to California Machinery and Supply Company, Ltd., Los Angeles, Calif. Automatic spark advance mechanism. 2,473,170, June 14.

Ostling, William, assignor to California Machinery and Supply Company, Ltd., Los Angeles, Calif. Automatic spark advance mechanism. 2,473,171, June 14.

Ottling, Herbert E., Westerville, and L. H. Chrysler, and E. F. Almy, Columbus, Ohio, assignors to M & H Dietetic Laboratories, Inc. Stabilizing evaporated milk. 2,473,493, June 14.

Overhoff, Johan: *See*—
Koolman, Edward C., and Overhoff.

Owen, David R., assignee: *See*—
England, James M.

Oxley, Peter: *See*—
Short, Wallace F., Hobday, and Oxley.
Short, Wallace F., and Oxley.

Pachner & Koller, Inc., assignee: *See*—
Adam, Louis D., and Poplin.
Sharps, George J.

Pacific Manufacturing & Engineering Corp., assignee: *See*—
Plouff, Clifford E.

Packard Motor Car Company, assignee: *See*—
Clifton, Robert P.
Lucia, Carroll J., and McFarland.
Weiss, Erwin A.

Page, Clyde B., Baton Rouge, La. Musical instrument of the string type. 2,473,442, June 14.

Pardee, Edward A., Mount Vernon, Ohio, assignor to Shellmar Products Corporation, Chicago, Ill. Container. 2,472,985, June 14.

Parfentjev, Ivan A., Manuet, assignor to American Cyanamid Company, New York, N. Y. Preparing modified protein. 2,473,255, June 14.

Paris, Robert E., Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y. Mechanical movement. 2,472,910, June 14.

Park, Davis & Company, assignee: *See*—
Tillitson, Edward W.

Parker Appliance Company, The, assignee: *See*—
Wolfram, John N.

Parker, Henry C., Washington, D. C. Apparatus for clarifying liquors. 2,473,297, June 14.

Parkin, John C.: *See*—
Dickinson, Ernest G., and Parkin.

Parsons, Alfred H., Baldwin, N. Y. Building construction. 2,473,216, June 14.

Paynter, Horace J., Union, N. J., assignor to American Can Company, New York, N. Y. Electric butt-welding metallic container seams. 2,472,848, June 14.

Paynter, Horace J., Union, N. J., assignor to American Can Company, New York, N. Y. Apparatus for electrically welding container seams. 2,472,849, June 14.

Peenstra, Richard G., Utica, N. Y. Folding sled. 2,472,920, June 14.

Pelce, Henri, assignor to Societe dite: Saint Freres (Societe Anonyme), Paris, France. Shuttle-guiding device in circular looms. 2,473,172, June 14.

Peoples Company, The, assignee: *See*—
Peoples, Edward M.

Peoples, Edward M., assignor to The Peoples Company, Huntington, W. Va. Rod clamp or the like. 2,473,217, June 14.

Peremi, Edmund, Bayside, and H. Weimann, Yonkers, assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Window construction. 2,473,295, June 14.

Perry, Charles L., Schenectady, N. Y., assignor to General Electric Company. Electric controller. 2,473,256, June 14.

Peters, Elwyn H., L. F. Engelhardt, and J. L. Brierton, Columbus, Ohio, assignors to Curtiss-Wright Corporation. Anti-icing means for aircraft. 2,473,387, June 14.

Petersen, George M., Cleveland, Ohio. Outdoor theatre loudspeaker support post. 2,473,173, June 14.

Peterson, Eric W., Spring Lake, Mich. Line printer device for duplicating machines. 2,473,070, June 14.

Pettengill, George D., T. F. Jarvis, and W. L. Fader, assignors to Warsaw Elevator Co., Warsaw, N. Y. Elevator control mechanism. 2,472,959, June 14.

Philco Corporation, assignee: *See*—
Bradley, William E.
Rudolph, William E.
Walker, Harold.

Pleper, Chester R., Warrenton, Mo. Cable clamping device. 2,473,071, June 14.

Pifer, George N., Cleveland Heights, assignor to Speedtype, Inc., Cleveland, Ohio. Double exposure photographing and developing apparatus. 2,473,174, June 14.

Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Rotative winged aircraft control. 2,473,299, June 14.

Pittsburgh-Des Moines Company, assignee: *See*—
Jackson, James O.

Plant, John H., Aurora, Ill. Antiglare lens structure for headlights and the like. 2,472,860, June 14.

Plastikpil Laboratories, Inc., assignee: *See*—
Zimmerman, Sol M.

Plouff, Clifford E., Seahurst, assignor, by mesne assignments, to Pacific Manufacturing & Engineering Corp., Seattle, Wash. Line dispensing container. 2,473,072, June 14.

Poor & Company, assignee: *See*—
Preston, Frederick A.

Pope, Robert E.: *See*—
Geis, Lester, and Pope.

Poplin, Nelia G.: *See*—
Adam, Louis D., and Poplin.

Posthumus, Klaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Direction finding device. 2,473,491, June 14.

Potter, Everett F., Schenectady, N. Y., assignor to General Electric Company. Gas-arc torch. 2,473,258, June 14.

Potter, Frederick M., Marblehead, Mass., assignor to General Electric Company. Dynamoelectric machine construction. 2,473,257, June 14.

Potts, Phil S., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,473,259, June 14.

Powdermaster Products Inc., assignee: *See*—
Wolfers, Philip.

Power Centre Company Limited, The, assignee: *See*—
Stevens, Arthur H., and Stevens.

Preston, Frederick A., Lake Forest, assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Rail anchor. 2,473,345, June 14.

Pretty, William & Sons (1930) Limited, assignee: *See*—
Namegah, Wilfred.

Procter & Gamble Company, The, assignee: *See*—
Lange, Willy, and Polzenlogen.

Proctor Electric Company, assignee: *See*—
Myers, Joseph W.

Purdue Research Foundation, assignee: *See*—
McBee, Earl T., and Devaney.

Puricelli, Enzo, Springfield, Mass. Ski tow device. 2,473,300, June 14.

Pye Limited, assignee: *See*—
Weightton, Donald.

Quality Bakers of America Cooperative, Inc., assignee: *See*—
Thomas, Robert W.

Quimper, Anthony A., Westfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cup positioning apparatus. 2,472,921, June 14.

Radio Corporation of America, assignee: *See*—
Albin, Frederick G.
Bilts, Daniel.
Brown, George H., and O. M. Woodward, Jr.
Comins, Alfred W.
Evans, John.
Fredendall, Gordon L.
Geis, Lester, and Pope.
Koch, Winfield R.
McCown, William E.
Rajchman, Jan A.
Rose, Albert.

Ragan, George L., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Ultra high frequency rotatable joint. 2,473,443, June 14.

Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Computing system. 2,473,444, June 14.

Rambo, Ingar G., Wauwatosa, assignor to Safway Steel Products Inc., Milwaukee, Wis. Tubing coupler. 2,473,388, June 14.

Ramstad, Anders W., Parkland, Wash. Motion-picture screen. 2,473,601, June 14.

Ransley, Charles E.: *See*—
Brittain, Francis H., and Ransley.

Raytheon Manufacturing Company, assignee: *See*—
Bright, Orlow S., Jr.
Klemperer, Hans.
Smith, Charles G.
Spencer, Percy L.
Stuitsman, Paul W.

Reconstruction Finance Corporation, assignee: *See*—
Peremi, Edmund, and Weimann.

Reder, Emil E., Jr., Chicago, Ill. Cord protector and strain reliever for use with electrical connectors. 2,472,986, June 14.

Reed, George R., Grosse Pointe Park, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Spring cambering machine. 2,473,445, June 14.

Reed Roller Bit Company, assignee: *See*—
Katterjohn, August H.

Reichenbach, Howard F., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Telescoping lamp standard. 2,473,218, June 14.

Reid, John G., Jr., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Low-pressure absorption refrigerating system. 2,473,389, June 14.

Reliable Electric Company, assignee: *See*—
Cook, John B., and Jugle.

Remboid, Albert A., San Francisco, Calif. Punch. 2,473,073, June 14.

Remington Arms Company, Inc., assignee: *See*—
Howell, John D.
Messinger, Lester H.

Remington Rand Inc., assignee: *See*—
Lyman, Harold T., Jr.

Reynolds, Robert J., Trotwood, Ohio. Reel for motion-picture films. 2,473,074, June 14.

Rhodes, Charles J., Wakefield, England. Guard arrangement for power presses. 2,473,219, June 14.

Riblet, Henry J., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,473,446, June 14.

Rice Barton Corporation, assignee: *See*—
Adams, Charles S.

Richards, Kenneth W., Packanack Lake, N. J., assignor to American Telephone and Telegraph Company. Teletypewriter exchange system. 2,473,346, June 14.

Richfield Oil Corporation, assignee: *See*—
Travers, William J., Jr.

Rickard, Joseph, Hancock, N. Y. Whiffle tree. 2,473,447, June 14.

Ridenour, Louis N., Philadelphia, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Radio direction-finding system. 2,473,475, June 14.

Rieke, Foster F., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Oscillator. 2,473,448, June 14.

Riker, Robert T., and J. H. Moist, New York, N. Y. Lamp-rotating clamp for attachment to tubular lamps. 2,472,858, June 14.

Ringland, William L., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamoelectric machine having laminated armature with teeth slotted to reduce eddy currents. 2,473,502, June 14.

Rizzo, Joseph D., assignor to Artisan Shoe Company, Rochester, N. Y. Shoe. 2,472,987, June 14.

Robbins, Rolland S., and C. T. Cochran, Lakewood, Ohio. Switch. 2,473,303, June 14.

Robertson, H. H., Company, assignee: *See*—
Singleton, Fred G., and Jenkins.

Robson, Stanley, Redland, Bristol, assignor to The National Smelting Company Limited, London, England. Condensation of zinc from its vapor in gaseous mixtures. 2,473,304, June 14.

Rochow, Eugene G., Schenectady, N. Y., assignor to General Electric Company. Preparation of tetramethyl silicate. 2,473,260, June 14.

Rockwell, Edward A., Cleveland, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Electrically controlled valve means. 2,473,088, June 14.

Rodeck, Armin H., and A. G. Massey, assignors to Massey Machine Company, Watertown, N. Y. Centrifugal governor. 2,473,449, June 14.

Rogers, Clarence A.: *See*—
Rogers, Louis, and C. A.

Rogers Industries, Inc., assignee: *See*—
Ettl, Joseph.

Rogers, Louis and C. A., Ripon, Calif. Vine cutter. 2,473,450, June 14.

Rohm & Haas Company, assignee: *See*—
Croxall, Willard J., and Neher.
Stallings, James W.

Rosche, John O., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Condition responsive switch. 2,473,075, June 14.

Rose, Albert, East Orange, N. J., assignor to Radio Corporation of America. Manufacturing target electrodes. 2,473,220, June 14.

Rose, Harold J., and M. K. Rowan, Baton Rouge, La., assignors to Standard Oil Development Company. Butadiene emulsion polymerization process, including mercaptan and cyanide modifiers. 2,473,300, June 14.

Roselle, Walter A., New York, N. Y. Container. 2,473,301, June 14.

Rosenthal, Adolph H., assignor to Socophony Corporation of America, New York, N. Y. Apparatus for reproducing electric signals, particularly television reproducers. 2,472,988, June 14.

Rossi, Irving, West Orange, N. J. Method and apparatus for the continuous casting of metal tubes. 2,473,221, June 14.

Rowan, Marian K.: *See*—
Rose, Harold J., and Rowan.

Royle, John & Sons, assignee: *See*—
Van Riper, Jurian W.

Ruben, Louis, and E. J. Zelk, Bayonne, N. J., assignors to L. Greene, New York, N. Y. Chord indicator. 2,473,222, June 14.

Rubin, Isaac, New York, N. Y. Cylindrical handbag having flexible sidewalls. 2,472,859, June 14.

Rudolph, William E., Collingswood, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Multiple record support for phonographs. 2,472,960, June 14.

Ruhl, Guy P., Frostproof, Fla. Transplanter. 2,473,281, June 14.

Russell, John D., Cranberry Township, Venango County, Pa., assignor to Joy Manufacturing Company. Combined cable guide arm and torque control switch. 2,472,860, June 14.

Russell, John T., Oklahoma City, Okla. Lawn mower grinder. 2,472,922, June 14.

Russell, William F., Norwalk, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Drilling mud containing gelatinized starch and monoethanol ammonium 2-benzothiazyl sulfide. 2,473,392, June 14.

Sabins, Rolland C., Seattle, Wash. Composite ship construction. 2,473,039, June 14.

Safway Steel Products Inc., assignee: *See*—
Rambo, Ingar G.

Sanborn, William L., Milwaukee, Wis., assignor, by mesne assignments, to Cleaver-Brooks Company. Air directing means in gun type burners. 2,473,347, June 14.

Sandos Limited, assignee: *See*—
Wehrli, Walter.

Schaefer, William C.: *See*—
Evans, William G., and Schaefer.

Schaich, Wilbur A., Springfield, Mass. Machine gun ammunition feed belt. 2,472,861, June 14.

Schauert, Paul: *See*—
Urbain, Walter M., and Schauert.

Scheibner, Carl, Bay City, Mich. Collapsible structure for ice fishing. 2,473,076, June 14.

Scheiwer, Albert T., Erie, Pa. Combined valve and coupling. 2,473,223, June 14.

Scheldorf, Marvel W., Schenectady, N. Y., assignor to General Electric Company. Wide band high-frequency transmission line. 2,473,262, June 14.

Schernailder, Robert E., Jr., and E. A. Hunter, Baton Rouge, La., assignors to Standard Oil Development Company. Cracking catalyst. 2,472,834, June 14.

Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Brake rotor. 2,473,040, June 14.

Schmaus, Emil A., Chicago, Ill. Window shade guide. 2,473,805, June 14.

Schmerber, Raoul J., Uccle, assignor to La Soudure, Electrique Autogene, Societe Anonyme, Brussels, Belgium. Striking the welding arc in automatic electric-arc welding machines. 2,472,923, June 14.

Schneider, Helmuth G., Westfield, and V. F. Mistretta, Fanwood, N. J., assignors, by mesne assignments, to Standard Oil Development Company. Making alcohol. 2,473,224, June 14.

Schneider, Joseph A., Hirsch, Saskatchewan, Canada. Car mover. 2,473,109, June 14.

Schoehusen, Arthur, West Somerville, Mass. Expansible shoe tree. 2,473,170, June 14.

Schreiber, John H., St. Louis, Mo. Tandem spindle lathe. 2,473,806, June 14.

Schwalbe, Emma H., New York, N. Y. Lady's slip. 2,473,393, June 14.

Schwartz, Fernando F., Santiago, Chile. Preparation of colloidal trisulfide of arsenic. 2,473,110, June 14.

Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric drive for gas turbine locomotives. 2,472,924, June 14.

Schwitzer-Cummins Company, assignee: *See*—
Hardy, James A.

Sciancalepore, Vito, assignor of one-half to C. Greene, White Plains, N. Y. Cloth marking and cutting machine. 2,473,451, June 14.

Scophony Corporation of America, assignee: *See*—
Rosenthal, Adolph H.

Scott, Clarence W., Chicago, Ill. Safety headgear for pedestrians and workmen. 2,473,394, June 14.

Scott, Iben L., Mission, Kans. Force cup for cleaning drainpipes and the like. 2,473,452, June 14.

Scott, William M., Jr., Byrn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker mounting means. 2,472,961, June 14.

Scovill Manufacturing Company, assignee: *See*—
Seaver, Donald A.

Seamless Rubber Company, The, assignee: *See*—
Kennedy, Carlton L., and Macdonald.

Seaver, Donald A., West Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Reversible buckle. 2,473,225, June 14.

Segal, George, Great Neck, N. Y. Hops treatment. 2,473,395, June 14.

Seipt, Richard, Darien, and D. M. Steves, Tuckahoe, N. Y., assignors to Laminated Shim Company, Glenbrook, Conn. Shim. 2,473,307, June 14.

Selas Corporation of America, assignee: *See*—
Hess, Frederic O., Miller, Dietrich, Jr.

Servel, Inc., assignee: *See*—
McNeely, Lowell.
Reid, John G., Jr.
Whitlow, Eugene P.

Shaback, Andrew J.: *See*—
Magoon, Harry Y., and Shaback.

Shaheen, John, West Roxbury, assignor to Sylvania Electric Products Inc., Salem, Mass. Discharge lamp ballast assembly. 2,473,034, June 14.

Sharpe, George J., assignor to Pachner & Koller, Inc., Chicago, Ill. Fish stringer. 2,473,346, June 14.

Sheldon, Lillian, Chicago, Ill. Wrist band. 2,473,226, June 14.

Shell Development Company, assignee: *See*—
Adelson, David E., and Evans.
Blott, John F. T.
Kooijman, Eduard C., and Overhoff.

Shellmar Products Corporation, assignee: *See*—
Pardee, Edward A.

Sherwood, Henry A., New York, N. Y. Bicycle coaster brake. 2,473,177, June 14.

Shina, Frank C., Thomson, N. Y., assignor to United Board & Carton Corporation. Reclosable carton. 2,473,492, June 14.

Shlafrock, Max, assignee: *See*—
Shuflin, Frank H.

Shoobert, George W.: *See*—
Carington, Charles M., and Shoobert.

Short, Wallace F., and P. Oxley, assignors to Boots Pure Drug Company Limited, Nottingham, England. Production of 2-amino pyrimidines and 2-amino glyoxalines. 2,473,111, June 14.

Short, Wallace F., G. I. Hobday, and P. Oxley, assignors to Boots Pure Drug Company Limited, Nottingham, England. Preparation of sulfonic acid salts of diguanides. 2,473,112, June 14.

Shropshire, Ralph F., Cambridge, assignor to Submarine Signal Company, Boston, Mass. Extracting oils from fish material. 2,473,458, June 14.

Shuflin, Frank H., Miami Shores, assignor of one-third to M. Shlafrock and one-third to L. Touby, Miami, Fla. Collapsible table or the like. 2,472,962, June 14.

Sichak, William, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by Secretary of War. Antenna. 2,473,454, June 14.

Siebigteroth, Maximilian, Detroit, assignor to C. B. Kemp, Grosse Pointe, Mich. Ice tray. 2,473,178, June 14.

Siekmann, Harold J.: *See*—
Meyer, Walter R., and Siekmann.

Sigoda, Victor J., Great Neck, assignor to Man-Sew Corporation, New York, N. Y. Cutting attachment for sewing machines. 2,472,862, June 14.

Singer Manufacturing Company, The, assignee: *See*—
Graham, Joseph P., and Church.
Graham, Joseph P., and Lowry.

Singleton, Fred G., and P. W. Jenkins, assignors to H. H. Robertson Company, Pittsburgh, Pa. Protected metal article. 2,472,963, June 14.

Sinnett, George J.: *See*—
Emerson, John H., and Sinnet.

Skipper, James, H. Marble, and E. Frisell, Omaha, Nebr. Portable truck. 2,472,989, June 14.

Sklar, David F., Brooklyn, assignor to Wilson Mechanical Instrument Co., Inc., New York, N. Y. Bridge-type hardness tester. 2,473,179, June 14.

Slavin, Harry, Detroit, Mich. Retarding mechanism. 2,473,397, June 14.

Slavin, Sidney, Brooklyn, N. Y. Reinforced plastic tooth. 2,473,396, June 14.

Smith, Charles G.: *See*—
Watkinson, Eric, Storm, and Smith.

Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Magnetic induction device. 2,473,477, June 14.

Smith, Kline & French Laboratories, assignee: *See*—
Ullyot, Glenn E.

Smith, Robert E., Bridgeport, Conn., assignor to General Electric Company. Electric switch. 2,473,263, June 14.

Smith, S., & Sons (England), Limited, assignee: *See*—
Moss, Eric B.

Smylie, Avie F., Houston, Tex. Needle for sewing braided rugs. 2,472,990, June 14.

Snowden Chemical Company, assignee: *See*—
Snowden, Ward E.

Snowden, Ward E., assignor to Snowden Chemical Company, Modesto, Calif. Dry chemical fire extinguisher. 2,473,349, June 14.

Societe Anonyme Andre Citroen, assignee: *See*—
Levresque du Roatu, Georges.

Societe d'Etudes et de Partecipations, Eau, Gas, Electricite Energie S. A., assignee: *See*—
Huber, Robert.

Societe dite: Saint Freres (Societe Anonyme), assignee: *See*—
Pelce, Henri.

Societe "Rhodioceta," assignee: *See*—
Mouchirond, Antoine F. G., and Trillat.

Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Apparatus for perforating metallic strips. 2,472,863, June 14.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Dahm, Cornelius G.
Gorin, Everett, and Oblad.

Sohm, Alfred L., Van Nuys, Calif. Smoking pipe cleaner. 2,473,180, June 14.

Solomon, Nathan L., Englewood, N. J. Hairdressing device. 2,473,227, June 14.

Sonneborn, L., Sons, Inc., assignee: *See*—
Beverino, Angelo J.

Sorg, Leonard V., Kansas City, Mo., assignor to Standard Oil Company, Chicago, Ill. Transporting petroleum distillates. 2,473,405, June 14.

Spackman, Bernard C. W., Auckland, Auckland, New Zealand. Folding push chair. 2,473,350, June 14.

Spaeth, Irvin J.: *See*—
Walker, Samuel J., and Spaeth.

Spano, Frank, Union City, N. J. Device on which to form miniature ladders, etc. 2,473,398, June 14.

Spase, Charles B., Nedrow, assignor to Lipe-Rollway Corporation, Syracuse, N. Y. Overload or fixed load clutch. 2,472,925, June 14.

Specialties, Inc., assignee: *See*—
Alkan, Robert.

Speedtype, Inc., assignee: *See*—
Pifer, George N.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,473,399, June 14.

Spendelow, Howard R., Jr., Kenmore, and H. de W. Erasmus, Lewiston, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Production of low carbon ferrochromium. 2,473,021, June 14.

Sperry Corporation, The, assignee: *See*—
Hays, Robert F., Jr.
Webber, Hugh E.

Sperry Products, Inc., assignee: *See*—
Hebel, Carl G., and Wallace.

Speth, Leonard S.: *See*—
Bronson, Adelbert E., and Speth.

Springfield Leather Products Co., The, assignee: *See*—
Henderson, Roe P.

Sprunance, Frank P., Jr., Ambler, and J. H. Thirsk, Wyncote, assignors to American Chemical Paint Company, Ambler, Pa. Composition for and method of chemically coating aluminum. 2,472,864, June 14.

Staley, A. E., Manufacturing Company, assignee: *See*—
Casey, James P.
Hansen, Donald W.

Stallings, James W., Atlanta, Ga., assignor to Röhm & Haas Company, Philadelphia, Pa. Treatment of cellulosic textiles with strong hydroxide and acrylonitrile. 2,473,308, June 14.

Standard Oil Company, assignee: *See*—
Sorg, Leonard V.

Standard Oil Development Company, assignee: *See*—
Haskin, Charles M., and McLeod.
Cohen, Charles A.
Howe, Ralph F.
Hunter, Edward A.
Hunter, Edward A., and Kimberlin, Jr.
Jones, Minor C. K., and Brandon.
Munday, John C., and Nicholson.
Rose, Harold J., and Rowan.
Schernailder, Robert E., Jr., and Hunter.
Schneider, Helmuth G., and Mistretta.

Stanley, Richard B.: *See*—
Conn, Alfred J., and Stanley.

Starbuck, Robert M., Jr., Hartford, Conn. Trepanning tool. 2,473,077, June 14.

Steen, Harry B.: *See*—
Brown, Frank L., and Steen.

Steers, Raymond J., Rockwood, Tenn. Hosiery support or garter. 2,473,112, June 14.

Stephens, William T., Painesville, Ohio. Rotary balanced vane pump. 2,473,309, June 14.

Sterner, Anna V., assignee: *See*—
Cipyak, John.

Sterner, Francis E., assignee: *See*—
Cipyak, John.

Stevens, Arthur H. and G. A., assignors to The Power Centre Company Limited, Wednesbury, England. Support for electric conductors. 2,473,264, June 14.

Stevens, Earle A., assignor to Glenwood Range Company, Taunton, Mass. Utensil support for gas ranges. 2,473,478, June 14.

Stevens, Geoffrey A.: *See*—
Stevens, Arthur H. and G. A.

Steves, Douglas M.: *See*—
Seipt, Richard, and Steves.

Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Catch. 2,473,131, June 14.

Storm, Andre W.: *See*—
Watkinson, Eric, Storm, and Smith.

Strange, John P., Wilkinsburg, and W. P. Yant, Murraysville, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Valve. 2,473,078, June 14.

Streta, Ernest A., Compton, Calif. Adjustable flue or chimney damper for fireplaces, furnaces, and the like. 2,473,182, June 14.

Stromberg-Carlson Company, assignee: *See*—
Chou, Ching-Ih.
Larsen, Merwin J.

Stratt, Maximilaan J. O., and J. M. van Hofwegen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustees. Tunable electrical circuits. 2,473,310, June 14.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,472,865, June 14.

Submarine Signal Company, assignee: *See*—
Beechlyn, John T.
Benioff, Hugo.
Gorton, William G.
Grabau, William C.
Shropshire, Ralph F.

Sukmanyn, Thomas W., Los Angeles, Calif. Optical light wedge. 2,472,991, June 14.

Sullivan, Michael, Youngstown, Ohio. Tethering post. 2,472,926, June 14.

Suwa, Ignaz, Jackson Heights, assignor to National Electric Instrument Co., Inc., Elmhurst, N. Y. Lamp for endoscopic instruments. 2,473,479, June 14.

Sveda, Michael: *See*—
Beachell, Harold C., and Sveda.

Svenson, Agnes B., administratrix, assignee: *See*—
Svenson, Henry.

Svenson, Henry, New York, N. Y.; A. B. Svenson, administratrix of said H. Svenson, deceased, assignor, by mesne assignments, to A. B. Svenson, New York, N. Y. Log impregnating device. 2,473,480, June 14.

Swift & Company, assignee: *See*—
Urbain, Walter M., and Schauert.

Sylvania Electric Products Inc., assignee: *See*—
Bowerman, Edwin R., Jr.
Shaheen, John.

Szekely, George, Tel Aviv, Palestine. Evaporator for therapeutic, sterilising, and insecticidal liquids. 2,472,992, June 14.

Tama, Manuel and M., Morrisville, Pa., and J. L. Hoff, Pennington, assignors to Ajax Engineering Corporation, Trenton, N. J. Producing metal alloys in a submerged resistor type induction furnace. 2,473,311, June 14.

Tama, Mario: *See*—
Tama, Manuel and M., and Hoff.

Taylor, David, Princeton, W. Va., and E. R. Ward, Narrows, Va., assignors to Celanese Corporation of America. Testing device for filamentary material. 2,472,927, June 14.

Taylor Instrument Companies, assignee: *See*—
Hanna, Edward J.
Miller, Carlton W., and Nichols.
Olson, Raymond E.
Wilder, Cecil L., and Klumb.
Ziegler, John G.

Taylor, Newell E.: *See*—
Meade, Reginald E., Taylor, and Crews.

Tebb, Bernard, Holl, assignor to Mastaber Belt Fastener Company Limited, Cleckheaton, England. Tool for inserting fasteners in machine belting. 2,473,226, June 14.

Tecalemit Limited, assignee: *See*—
Le Clair, Camille C. S.

Tennessee Eastman Corporation, assignee: *See*—
Hasche, Rudolph L.

Texas Company, The, assignee: *See*—
Atwell, Harold V.
Thermoid Company, assignee: *See*—
Muller, John A.

Thirsk, James H.: *See*—
Sprunance, Frank P., Jr., and Thirsk.

Thomas, Gerald C.: *See*—
Hutchinson, Alton E., and Thomas.

Thomas, Robert W., Larchmont, assignor to Quality Bakers of America Cooperative, Inc., New York, N. Y. Delivering bread. 2,472,993, June 14.

Thompson, Albert C., Fountain City, Tenn. Lawn mower grinder. 2,473,313, June 14.

Thompson, Clair P., Lansing, Mich., assignor, by mesne assignments, to The Tot Traveler Corporation, Toledo, Ohio. Traveling bag. 2,473,079, June 14.

Thompson, John I., Edgewater Park, N. J., and D. E. Marlowe, Takoma Park, Md. Marine mine. 2,472,866, June 14.

Thompson, Leonard J., Wichita, Kans. Bench cushion. 2,473,312, June 14.

Thompson, Luke, Downsview, Ontario, and D. T. Wilson, Toronto, Ontario, Canada. Locking device for telescopic connections. 2,473,351, June 14.

Thompson Products, Inc., assignee: *See*—
Tobener, William H., Jr.
Tobener, William H., Jr., and Anderson.

Thorndike, Herbert A., Oshkosh, Wis., assignor, by mesne assignments, to Vulcan Manufacturing Co., Inc., Winona, Minn. Hydraulic jack. 2,473,807, June 14.

Thurber, Elmer A., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Passivation of ferrous metals. 2,473,458, June 14.

Tide Water Associated Oil Company, assignee: *See*—
Hawes, Russell J., Behrman, and Campbell.
Zellner, Carl N., and Granholm.

Tien, Hsin-Ya, Singapore, Straits Settlements. Piston for use in internal-combustion engines. 2,472,928, June 14.

Tillitson, Edward W., Grosse Pointe, assignor to Parke, Davis & Company, Detroit, Mich. Stabilized aromatic compounds and obtaining the same. 2,472,868, June 14.

Tobener, William H., Jr., assignor to Thompson Products, Inc., Cleveland, Ohio. Casting machine for lining bearings. 2,473,481, June 14.

Tobener, William H., Jr., assignor to Thompson Products, Inc., Cleveland, Ohio. Casting machine for lining bearings. 2,473,482, June 14.

Tobener, William H., Jr., Cleveland, Ohio, and C. V. Anderson, Portland, Oreg., assignors to Thompson Products, Inc., Cleveland, Ohio. Mold for lining bearings. 2,473,483, June 14.

Todd, Edwin T., Pontiac, Mich., assignor to the United States of America as represented by the Secretary of War. Harness. 2,473,114, June 14.

Toledo Scale Company, assignee: *See*—
Williams, Lawrence S.

Tot Traveler Corporation, The, assignee: *See*—
Thompson, Clair P.

Touhy, Louis, assignee: *See*—
Shuflin, Frank H.

Toulon, Pierre M. G., Neuilly sur Seine, assignor to Compagnie Francaise du Signum, Paris, France. Supervisory signaling device. 2,473,314, June 14.

Travers, William J., Jr., assignor to Richfield Oil Corporation, Los Angeles, Calif. Island for well drilling. 2,472,869, June 14.

Trillat, Joseph A.: *See*—
Mouchiroud, Antoine F. G., and Trillat.

Turbo Engineering Corporation, assignee: *See*—
Birmann, Rudolph.

Tyson, Owen A., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Potential comparator. 2,473,457, June 14.

Ullyot, Glenn E., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Preparation of aminophthalidylalkanes. 2,473,484, June 14.

Union Asbestos & Rubber Company, assignee: *See*—
Moorman, Charles L.

Union Carbide and Carbon Corporation, assignee: *See*—
Erasmus, Hendrik de W.
Koopman, Kenneth H.
Spendelow, Howard R., Jr., and Erasmus.

United Aircraft Corporation, assignee: *See*—
Bennett, Horace W.
Dickerman, Fred N.
Jensen, Harry T.

United Board & Carton Corporation, assignee: *See*—
Shima, Frank C.

United Shoe Machinery Corporation, assignee: *See*—
Foose, Joseph.

U. S. Electrical Motors, Inc., assignee: *See*—
Luenberger, Frederick O.

United States Rubber Company, assignee: *See*—
Hart, Edwin J., and Matheson.

U. S. Slicing Machine Company, assignee: *See*—
Ahrndt, Arthur H.
Ahrndt, Arthur H., and Meyer.

Universal Oil Products Company, assignee: *See*—
Linn, Carl B.

Universal Winding Company, assignee: *See*—
Winslow, Albert E., and Eppler.

University of Illinois, The Board of Trustee, assignee: *See*—
Adams, Gail D., Jr.

Upjohn Company, The, assignee: *See*—
Zienty, Mitchell F.

Urbain, Walter M., Western Springs, and P. Schanert, assignors to Swift & Company, Chicago, Ill. High-frequency electrostatic field apparatus for egg pasteurization. 2,473,041, June 14.

Van Beurden, Franciscus F., Amsterdam, Netherlands. Apparatus for stretching and straightening shoes. 2,473,229, June 14.

Van Boven, Cornelius J.: *See*—
Brooks, Desmond B., and Van Boven.

Vanderbilt, R. T., Company, Inc., assignee: *See*—
Russell, William F.

Vander Horst, Abraham, assignor to National Brass Company, Grand Rapids, Mich. Bathroom locking latch. 2,473,080, June 14.

Van Hofweegen, Johannes M.: *See*—
Strutt, Maximiliaan J. O., and van Hofweegen.

Van Riper, Jurian W., Fair Lawn, assignor to John Royle & Sons, Paterson, N. J. Extrusion apparatus. 2,473,230, June 14.

Vara, Ethan W., assignor, by mesne assignments, to The Alden Products Company, Duncannon, Pa. Knife sharpness tester. 2,472,904, June 14.

Vaughan, Victor G., assignor to Metals & Controls Corporation, Attleboro, Mass. Thermostatic switch and sealed adjusting control. 2,473,081, June 14.

Vaughn, Albert E., Orange, N. J. Hair curler. 2,473,115, June 14.

Vertifilte, Inc., assignee: *See*—
Douley, Carson O.

Vickers, Samuel E., assignor to Eureka Williams Corporation, Bloomington, Ill. Thermal overload device. 2,473,486, June 14.

Victaulic Company of America, assignee: *See*—
Krooss, John H.

Vulcan Manufacturing Co., Inc., assignee: *See*—
Thorndike, Herbert A.

Waara, David H., Detroit, assignor to R. L. Brown, Ferndale, Mich. Molding clip. 2,473,400, June 14.

Wager, Robert H., Maplewood, N. J. Adjustable mirror observation unit for smoke indicators. 2,473,231, June 14.

Wagner Electric Corporation, assignee: *See*—
Joos, August G.
Milster, Arthur N.

Waldorf Paper Products Company, assignee: *See*—
Guyer, Reynolds.

Walker, Allen V., Nashville, Tenn. Portable outdoor cooking stove. 2,473,458, June 14.

Walker, Harold, Meadowbrook, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Multiple record support for phonographs. 2,472,964, June 14.

Walker, Samuel J., Lake Forest, and I. J. Spaeth, assignors to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam. 2,473,316, June 14.

Wallace, Robert H.: *See*—
Hebel, Carl O., and Wallace.

Wallace, Jeffrey J., Amite, La., assignor to Gullett Gin Company. Cotton harvester. 2,473,315, June 14.

Walter, Henry A., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. 3,5-dihydroxy-4-dihydro-thiadiazine-1-dioxide and its preparation. 2,473,042, June 14.

Wannamaker, William H., Jr., Flourtown, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric motor control apparatus. 2,473,494, June 14.

War, United States of America as represented by the Secretary of, assignee: *See*—
Barfield, Morris L., and Gurtowski.
Fubini, Eugene, and Hamermesh.
Glador, Alonso P.
Halpern, Julius.
Johnston, Lawrence H.
Ragan, George L.
Riblet, Henry J.
Rieke, Foster F.
Slobak, William.
Todd, Edwin T.
Tyson, Owen A.

Ward, Ernest R.: *See*—
Taylor, David, and Ward.

Warmoltz, Nicolaas, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discharge tube having a fluid or solid cathode and a capacitative igniter. 2,473,232, June 14.

Warner, Robert B., Los Angeles, Calif. Toilet seat lifter. 2,473,082, June 14.

Warner & Swasey Company, The, assignee: *See*—
Bogart, Fred H.
Darash, Nicholas P.

Warsaw Elevator Co., assignee: *See*—
Pettengill, George D., Jarvis, and Fader.

Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,472,870, June 14.

Watkinson, Eric, Hinders Park, South Australia, Australia, A. W. Storm, Eindhoven, Netherlands, and C. O. Smith, Sydney, New South Wales, Australia, assignors to Hartford National Bank & Trust Company, Hartford, Conn., as trustee. Audio-frequency amplifier. 2,473,265, June 14.

Watson, John E., Westport, Conn., and C. B. McBride, Port Chester, N. Y., assignors to The Aerotec Corporation, Greenwich, Conn. Apparatus for separating suspended particles from gases. 2,472,995, June 14.

Watson, William, Auburn, Maine, assignor to Bates Manufacturing Company. Electrically conductive fabric. 2,473,183, June 14.

Weatherhead Company, The, assignee: *See*—
Knagge, Harold J.

Webb, Wells A., San Jose, Calif. Preparation of dehydrated food products. 2,473,184, June 14.

Webber, Harry R., Norwood, Pa. Spark plug. 2,473,317, June 14.

Webber, Hugh E., Williston Park, N. Y., assignor to The Sperry Corporation. Microwave wattmeter. 2,473,495, June 14.

Wegman, Jules G., assignor to Bastian Brothers Company, Rochester, N. Y. Pin-forming and button-pinning machine. 2,473,116, June 14.

Wehrli, Walter, assignor to Sandoz Limited, Basel, Switzerland. Metallised tetrakisazo dyes. 2,472,965, June 14.

Weighton, Donald, assignor to Pye Limited, Cambridge, England. Phase or frequency modulation. 2,473,316, June 14.

Weimann, Henry: *See*—
Perami, Edmund, and Weimann.

Weinberger, Jan V., Truro, Nova Scotia, Canada. Double condenser high draft mechanism for roving and spinning frames. 2,472,929, June 14.

Weise, Carl A., Los Angeles, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Quick detachable coupling. 2,473,459, June 14.

Weiss, Erwin A., assignor to Packard Motor Car Company, Detroit, Mich. Fluid coupling with unitary die cast vane structure. 2,473,185, June 14.

Wernix, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products of citric acid with long chain aliphatic monohydric alcohols. 2,473,460, June 14.

West, Howard K.: *See*—
Berger, Emil J., and West.

Western Condensing Company, assignee: *See*—
Meade, Reginald E., Taylor, and Crews.

Western Electric Company, Incorporated, assignee: *See*—
Wilkes, Donald P.

Westinghouse Electric Corporation, assignee: *See*—
Bentley, Oliver D. H.
Conrad, Joseph D., and Lloyd.
Gottlieb, Mantous, and Meyer.
Kramer, Fred S.
Quimper, Anthony A.
Schwendner, Anthony F.
Yoxsimer, Orland H.

Westland Aircraft Limited, assignee: *See*—
Widgery, William M.

Wexler, David J., Islip Terrace, N. Y. Self-retaining abdominal retractor. 2,473,266, June 14.

Whisler, Ralph H., Jr., assignor to Monroe Auto Equipment Company, Monroe, Mich. Shock absorber structure. 2,473,043, June 14.

White, Frank O., Edmundston, New Brunswick, Canada. Hydraulic barking machine. 2,473,461, June 14.

Whitfield, Joseph E., Hamilton, Ohio. Rotor generating. 2,473,233, June 14.

Whitfield, Joseph E., Hamilton, Ohio. Helical asymmetrical thread forms for fluid devices. 2,473,234, June 14.

Whitlow, Eugene P., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Absorption refrigeration method and system having provision for the return of purged gas. 2,473,385, June 14.

Widgery, William M., assignor to Westland Aircraft Limited, Yeovil, England. System for controlling the pressure in the cabin of an aircraft or the like. 2,473,117, June 14.

Wightman, Lawrence W., Fort Wayne, Ind., assignor to General Electric Company. Bearing mounting. 2,473,267, June 14.

Wild-Barfield Electric Furnaces, Limited, assignee: *See*—
Orene, George H. S.

Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Sensitivity equalizing circuit for control apparatus. 2,473,401, June 14.

Wilder, Cecil L., and H. A. Klumb, assignors to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 2,472,996, June 14.

Wilkes, Donald P., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical heating unit. 2,472,930, June 14.

Williams, Jerry D., Chickasha, Okla. Firing line catcher. 2,472,997, June 14.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Hydraulic weighing scale. 2,473,083, June 14.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale poise. 2,473,084, June 14.

Williamson, Marshall I., New Haven, Conn. Dispensing container. 2,472,871, June 14.

Wilson, David T.: *See*—
Thompson, Luke, and Wilson.

Wilson Mechanical Instrument Co., Inc., assignee: *See*—
Sklar, David F.

Wingfoot Corporation, assignee: *See*—
Emberson, Keith L.
Wise, Paul H.
Young, Foster J.

Winkelmann, Herbert A., assignor to Dryden Rubber Company, Chicago, Ill. Gasket and gasket composition. 2,473,319, June 14.

Winkler, Robert H.: *See*—
Hastings, Donald F., and Winkler.

Winslow, Albert E., Norwich, and E. Eppler, Stonington, Conn., assignors, by mesne assignments, to Universal Winding Company, Cranston, R. I. Stop means for feed roll units. 2,472,966, June 14.

Winters, Harold W., San Francisco, Calif. Cover clamp for pressing machines. 2,473,085, June 14.

Wise, Paul H., Rocky River, assignor to Wingfoot Corporation, Akron, Ohio. Preparation of 1-cyano-1,3-butadiene. 2,473,486, June 14.

Wittman, Alma, Petersburg, Mich. Hair curl holder pin. 2,473,186, June 14.

Wolfers, Philip, Valley Stream, assignor to Powdermaster Products Inc., New York, N. Y. Lady's portable powder dispenser. 2,472,874, June 14.

Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,473,118, June 14.

Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for flareless tubes. 2,473,119, June 14.

Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,473,120, June 14.

Wood, Milton E., Staten Island, N. Y. Electrical baking mold. 2,473,402, June 14.

Woodling, George V., Cleveland, Ohio. Flareless tube coupling. 2,472,872, June 14.

Woodrum, Myrtle A., Forest Hills, N. Y. Hair drier. 2,472,873, June 14.

Woodward, David W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrophilic dye intermediates. 2,473,403, June 14.

Woodward, Oakley M., Jr.: *See*—
Brown, George H., and Woodward, Jr.

Wortman, Robert, assignor to J. E. Berger Corporatoin, Detroit, Mich. Metering means for a bottle having a lock to ensure the tipping of the bottle to dispense. 2,473,462, June 14.

Wynn, Arthur H. A., and R. A. Hill, assignors to A. C. Cossor Limited, London, England. Cathode-ray tube. 2,473,320, June 14.

Yanko, Michael, Masury, Ohio. Plug-in clip. 2,473,321, June 14.

Yant, William P.: *See*—
Strange, John P., and Yant.

Yasnor, Morton, Brooklyn, N. Y. Self-locking safety catch. 2,473,044, June 14.

Yohn, Fred C., Norwalk, Conn., assignor to Microstat Corporation. Flow camera document-copying machines. 2,472,931, June 14.

Young, Foster J., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Apparatus for stretching. 2,473,404, June 14.

Yoxsimer, Orland H., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerator having means for minimizing condensation. 2,473,322, June 14.

Zack, Samuel L., Paitang, Pa. Method and apparatus for treating sewage. 2,473,323, June 14.

Zarembe Company, assignee: *See*—
Hughes, Burton S.

Zebree, David T., Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Delay electric initiator. 2,473,405, June 14.

Zelk, E. Jack: *See*—
Ruben, Louis, and Zelk.

Zelk, George S., Vallejo, Calif. Automobile disappearing warning signal. 2,473,187, June 14.

Zellner, Carl N., New Providence, and H. B. Granholm, Westfield, assignors to Tide Water Associated Oil Company, Bayonne, N. J. Diol compounds and esters thereof. 2,473,406, June 14.

Zellweger A. G., Apparate-und Maschinenfabriken Uster, assignee: *See*—
Meier, Heinrich.

Ziegler, John G., Walnut Creek, Calif., assignor to Taylor Instrument Companies, Rochester, N. Y. Method and apparatus for heat-treating liquids. 2,472,995, June 14.

Zienty, Mitchell F., Elkhart, Ind., assignor to The Upjohn Company, Kalamazoo, Mich. 3-alkylsulfonamidopyridinium salts. 2,473,121, June 14.

Zimmerman, Sol M., Detroit, Mich., assignor to Plastikpil Laboratories, Inc., Chicago, Ill. Folder. 2,473,352, June 14.

Zweidler, Reinhard: *See*—
Keller, Ernst, and Zweidler.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF JUNE, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Coupling. C. E. Earle and C. A. Covington. Re. 23,120, June 14.
Double-acting pump. J. T. Leonard. Re. 23,122, June 14.
Idler system for phonograph turntable drives. E. V. Schneider. Re. 23,123, June 14.
Measuring and control apparatus, Antibunting electrical. T. R. Harrison and W. P. Wills. Re. 23,121, June 14.

LIST OF PLANT INVENTIONS

Flowering quince plant. W. B. Clarke. 847, June 14.

LIST OF DESIGN INVENTIONS

Automobile. P. T. Tucker. 154,102, June 14.
Bag or similar article, Knitting. P. R. Peak. 154,140, June 14.
Band, Wrist. A. Pinson. 154,142, June 14.
Bank, Coin. A. F. Klingberg. 154,127, June 14.
Base, Lamp. J. Rosner. 154,145, June 14.
Brooch or similar article. M. Boucher. 154,095–6, June 14.
Cabinet for automotive lubrication equipment. A. P. Fox and A. D. Reisert. 154,115, June 14.
Comb, Round. R. Humphreys. 154,126, June 14.
Container, Lipstick. E. Donati. 154,106, June 14.
Curtain. L. Singer. 154,190, June 14.
Dispenser, Portable beverage. B. O. Smith. 154,191, June 14.
Display box. S. H. Geffner. 154,116, June 14.
Display rack and color selector, Combined. R. L. Falkenberg. 154,111, June 14.
Fish lure. W. H. Carr. 154,098, June 14.
Fish lure, Novelty. D. O. Le Moine. 154,130, June 14.
Fishing lure. G. B. Espey and G. D. Waite. 154,109, June 14.
Fishing spinner or similar article. S. A. Pilblad. 154,141, June 14.
Floor, Tile, and wall covering. J. E. Ryan. 154,146–85, June 14.
Frame, Spectacle. M. Davis. 154,102, June 14.
Frame, Spectacle. A. E. Mangold. 154,133, June 14.
Handbag. E. F. Gumbrill. 154,119, June 14.
Handbag. R. Lobel. 154,131, June 14.
Handle, Knife. W. McMillen. 154,134, June 14.
Handle, Tap. F. C. Fisher. 154,114, June 14.
Hinge. H. J. Lounsbury. 154,132, June 14.
Inflator, Tire. A. R. Moffett. 154,135, June 14.
Lamp, Nursery. E. Brenner. 154,097, June 14.
Lamp, Planter. J. E. Everett. 154,110, June 14.
Lamp, Table. V. Cassara. 154,099, June 14.
Lighter, Cigarette. J. T. Adams. 154,090, June 14.
Locomotive body. D. L. Hadley, C. B. Ryder and N. F. Pedersen. 154,120, June 14.
Locomotive body or the like. B. Patten. 154,139, June 14.
Mower, Electric driven lawn. A. E. Emmons. 154,108, June 14.
Opener, Can. J. B. Donnelly. 154,107, June 14.
Panel unit, Cooking range control. M. Ferar. 154,112, June 14.
Panel unit for stoves, Indicator control. E. A. Fink, 154,113, June 14.
Plane. E. G. Simon. 154,189, June 14.
Projector or similar article, Microfilm. J. T. Armbruster. 154,093, June 14.
Pull for zippers and the like, Finger. D. I. Reiter. 154,144, June 14.
Rack, Earring. K. R. Armstrong. 154,094, June 14.
Rack or the like for billiard cues. D. Deskey. 154,103–5, June 14.
Ramp, Passenger loading. P. W. Nichols. 154,137, June 14.
Refrigerator. R. C. Sandin. 154,186–8, June 14.
Scarf. R. Gottschalk. 154,118, June 14.
Showcase fitting, Extruded metal. T. C. Cowdroy. 154,101, June 14.
Spoon or similar article. G. N. Allen and W. H. Gerth. 154,091, June 14.
Spoon or similar article. W. H. Gerth. 154,117, June 14.
Stand and trellis, Combined flower. T. S. Morris. 154,136, June 14.
Standard or similar article, Lamp. F. Lascow. 154,128, June 14.
Table, radio and phonograph cabinet, Combination cocktail. T. C. Reed. 154,143, June 14.
Tablecloth, Lace. F. P. Castorani. 154,100, June 14.
Tablecloth, Lace. H. Hooven. 154,122–5, June 14.
Tablecloth, Lace. F. P. Otto. 154,138, June 14.
Tablecloth, Lace. W. Wolf. 154,193, June 14.
Toy turtle or similar article. L. Leaf. 154,129, June 14.
Valise or similar article. R. N. Arbib. 154,092, June 14.
Watch and bracelet, Combined. A. A. Harman. 154,121, June 14.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF JUNE, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerator apparatus and method, Electronic induction. G. D. Adams, Jr. 2,473,123, June 14.
Accelerometer, Peak. W. H. Hoppmann. 2,472,829, June 14.
Acid salts of diguanides, Preparation of sulfonic. W. F. Short, G. I. Hobday, and P. Oxley. 2,473,112, June 14.
Acid treatment of heterocyclic imide and imidazole vat dyestuffs. J. F. Cullinan and L. D. Lytle. 2,473,015, June 14.
Adapter. L. C. Carlson. 2,473,061, June 14.
Air conditioning system. W. F. Mayer. 2,473,496, June 14.
Air conditioning unit for mounting in windows. I. H. Cohler. 2,472,792, June 14.
Aircraft bank and turn control system. C. G. Nyman. 2,472,918, June 14.
Aircraft control, Rotative winged. H. F. Pitcairn. 2,473,299, June 14.
Aircraft, Universal cargo. J. S. J. Hlobil. 2,472,947, June 14.
Air directing means in gun type burners. W. L. Sanborn. 2,473,347, June 14.
Airplane. H. A. Manookian. 2,472,856, June 14.
Album, Article holding. L. Geis and R. E. Pope. 2,473,333, June 14.
Alcohol, Making. H. G. Schneider and V. F. Mistretta. 2,473,224, June 14.
Alcohols and production thereof, Polyallyl type. D. E. Adelson and T. W. Evans. 2,473,124, June 14.
Alcohols, Drying. W. S. W. McCarter. 2,472,912, June 14.
Alighting gear. A. P. Fail. 2,473,470, June 14.
Alkali-metal salts of triorgano-silanols, Production of. J. F. Hyde. 2,472,799, June 14.
Alkylated melamine-formaldehyde liquid compositions. P. Adams. 2,473,463, June 14.
Alloy: *See*—
Bearing alloy.
Copper base alloy.
Alloys in a submerged resistor type induction furnace, Producing metal. Manuel and Mario Tama, and J. L. Hoff. 2,473,311, June 14.
Amino-phthalidylalkanes, Preparation of. G. E. Ullyot. 2,473,464, June 14.
Amplifier, Audio-frequency. E. Watkinson, A. W. Storm, and C. G. Smith. 2,473,265, June 14.
Anchor leader. J. Barone. 2,473,089, June 14.
Anchor, Rail. F. A. Preston. 2,473,345, June 14.
Anode rod for plating tanks. W. G. Evans and W. C. Schaefer. 2,472,796, June 14.
Antenna. H. J. Riblet. 2,473,446, June 14.
Antenna. W. Sichak. 2,473,454, June 14.
Antenna array, Search. E. Fubini and M. Hamermesh. 2,473,421, June 14.
Antenna, Outside mounted automobile. M. R. Friedberg. 2,473,143, June 14.
Antenna with automatic tuning, particularly for aircraft wireless, Transmitting. H. Kappeler. 2,472,904, June 14.
Anti-icing means for aircraft. E. H. Peters, L. F. Engelhardt, and J. L. Brierton. 2,473,387, June 14.
Apparatus and method of dry spinning vinyl compounds. A. F. G. Mouchiroud and J. A. Trillat. 2,472,842, June 14.
Apparatus for adding powdered dye to liquids. C. C. Keane. 2,473,474, June 14.
Apparatus for and method of returning purged inert gas to an absorption refrigerating system. L. McNeely. 2,473,384, June 14.
Apparatus for clarifying liquors. H. C. Parker. 2,473,297, June 14.
Apparatus for detecting uncapped bottles. C. C. Gingrich. 2,472,945, June 14.
Apparatus for electrically welding container seams. H. J. Paynter. 2,472,849, June 14.
Apparatus for electromagnetically controlling welding arms. G. G. Landis and N. J. Hoenie. 2,472,851, June 14.
Apparatus for improving the operation of oxygen cutting torches. P. L. Betz. 2,473,465, June 14.
Apparatus for linearizing saw-tooth waves. M. J. Larsen. 2,473,208, June 14.
Apparatus for manufacture of paper. N. J. Nike. 2,473,069, June 14.
Apparatus for molding sealing rings. H. J. Knaggs. 2,473,284, June 14.
Apparatus for perforating metallic strips. J. E. Socke. 2,472,863, June 14.
Apparatus for plating journals of crankshafts. G. E. Millard. 2,473,290, June 14.
Apparatus for reproducing electric signals, particularly television reproducers. A. H. Rosenthal. 2,472,988, June 14.
Apparatus for separating suspended particles from gases. J. E. Watson and C. B. McBride. 2,472,995, June 14.
Apparatus for stretching. F. J. Young. 2,473,404, June 14.
Apparatus for stretching and straightening shoes. F. F. van Buerden. 2,473,229, June 14.
Apparatus for the heat processing of canned products. E. J. Hanna. 2,472,910, June 14.
Apparatus for training pilots and other aircraft personnel. J. M. Cunningham. 2,472,888, June 14.
Apparatus for treating motion-picture film. E. Meschter. 2,473,382, June 14.
Aromatic compounds and obtaining the same, Stabilized. E. W. Tillitson. 2,472,868, June 14.
Arrangement for sawing stones. M. A. Lefevre. 2,273,104, June 14.
Article of furniture, Reclining. A. Lorens. 2,472,854–5, June 14.
Assembly for filtering oil or liquids, Multifilter. C. C. S. Le Clair. 2,473,032, June 14.
Attachment for button sewing machines, Snap fastener. F. Berube. 2,473,132, June 14.
Attachment for drawers in ovens of stoves or ranges. J. P. Burt. 2,473,467, June 14.
Attachment for game tables, Cushioning. L. Colaluca. 2,472,884, June 14.
Attachment for sewing machines, Cutting. V. J. Sigoda. 2,472,862, June 14.
Attachment for telescopes, Illuminated reticle. J. R. Decker. 2,472,809, June 14.
Automatic electric animal trap. A. G. Burns. 2,472,806, June 14.
Automatic spark advance mechanism. W. Ostling. 2,473,171, June 14.
Automobile disappearing warning signal. G. S. Zelk. 2,473,187, June 14.
Awning bracket. M. Hoeldtke. 2,473,058, June 14.
Azomethine dyes from acylacetamidobenzaldehyde acetals. D. M. McQueen. 2,472,913, June 14.
Bag: *See*—
Traveling bag.
Bag with metal gusset, Flexible. M. Kaplan. 2,473,489, June 14.
Ballast assembly, Discharge lamp. J. Shabeen. 2,473,034, June 14.
Band, Wrist. L. Sheldon. 2,473,226, June 14.
Bandage, Surgical. C. L. Kennedy and K. W. Macdonald. 2,473,062, June 14.
Barking machine, Hydraulic. F. O. White. 2,473,461, June 14.
Bathroom locking latch. A. Vander Henst. 2,473,080, June 14.
Beam for looms, Warp. F. D. Lindquist. 2,473,155, June 14.
Bearing alloy. H. Y. Hunsicker and L. W. Kempf. 2,473,059–60, June 14.
Bearing mounting. L. W. Wightman. 2,473,267, June 14.
Bicycle coaster brake. H. A. Sherwood. 2,473,177, June 14.
Billfold with gusset pocket. R. P. Henderson. 2,473,056, June 14.
Binder, Loose-leaf. J. P. Guinane. 2,472,969, June 14.
Binder, Loose-leaf. E. Hasel, Jr. 2,472,898, June 14.
Blade, Adjustable rotor. H. W. Bonnett. 2,473,134, June 14.
Blood filter. R. K. Lager. 2,473,153, June 14.
Blowpipe for heating tools. B. C. Lusader, Sr. 2,473,435, June 14.
Board: *See*—
Miniature golf game board.
Bolster for four-wheel commercial and farm trailers. O. A. Klocken. 2,473,340, June 14.
Bolt head and extractor for firearms. J. D. Howell. 2,473,373, June 14.
Bonding machine. J. P. Graham and W. R. Church. 2,472,820, June 14.
Bonding machine, Electrostatic. J. P. Graham and R. D. Lowry. 2,473,143, June 14.
Boot, Trapper's hip-length. J. M. Hatch. 2,473,099, June 14.
Boron carbide articles, Method and mold for making. J. W. Knowlton. 2,473,476, June 14.
Bottle carrier. H. L. Hinman. 2,473,429, June 14.
Bottle, Nonrefillable. W. Keenan. 2,472,950, June 14.

Box: *See*—
Self-adjusting slip box.
Box tool. K. Fullroth. 2,473,418, June 14.
Brace for doors and the like. J. H. Boye. 2,472,936, June 14.
Bracket: *See*—
Awning bracket. Venetian blind bracket.
Brake: *See*—
Bicycle coaster brake.
Brake. L. S. Bargett. 2,473,360, June 14.
Brake beam. W. H. Baselt. 2,473,002, June 14.
Brake beam, Railway. S. J. Walker and I. J. Spaeth. 2,473,316, June 14.
Brake beam, Trussed. W. H. Baselt. 2,473,001, June 14.
Brake rotor. W. L. Schlegel, Jr. 2,473,046, June 14.
Brassiere. A. H. Cummings. 2,472,940, June 14.
Bread, Delivering. E. W. Thomas. 2,472,993, June 14.
Bridge, Elevator. E. E. Alexander. 2,473,127, June 14.
Bridge, Elevator door. E. E. Alexander. 2,473,128, June 14.
Bridge, Freight platform. E. E. Alexander. 2,473,126, June 14.
Broeder, Fireless. N. Lundstrom. 2,472,909, June 14.
Buckle. C. Lombardi. 2,473,209, June 14.
Buckle, Reversible. D. A. Seaver. 2,473,225, June 14.
Building compositions, Producing fibrous. C. M. Baskin and N. W. McLeod. 2,473,190, June 14.
Building construction. A. H. Parsons. 2,473,216, June 14.
Building structure. T. J. Edwards. 2,473,017–18, June 14.
Bulb manipulating device. G. R. Chadsey. 2,473,008, June 14.
Bulb socket manipulator. G. R. Chadsey. 2,473,009, June 14.
Butadiene emulsion polymerization process, including mercaptan and cyanide modifiers. H. F. Bose and M. K. Rowan. 2,473,390, June 14.
Cabinet having a vertically swingable section, Wall. C. P. Boyd. 2,473,239, June 14.
Cable guide arm and torque control switch, Combined. J. D. Russell. 2,472,860, June 14.
Caffein, Recovering. C. R. Bender. 2,472,881, June 14.
Caliper, Micrometer. A. A. Adams. 2,472,875, June 14.
Cam making machine. G. X. Johnston. 2,472,902, June 14.
Cambering machine, Spring. G. R. Reed. 2,473,445, June 14.
Camera boom, Gyroscopically stabilised. E. Furer and C. B. Lonon. 2,472,944, June 14.
Camera having handgrip operating means, Combat. W. R. Harlow. 2,472,923, June 14.
Capacitor, Heat-resisting. F. M. Clark. 2,473,242, June 14.
Capacitor, Parallel plate. J. F. Byrne. 2,473,240, June 14.
Car mover. J. A. Schneider. 2,473,109, June 14.
Carrier: *See*—
Bottle carrier.
Carton, Reclosable. F. C. Shina. 2,473,492, June 14.
Carton, Reclosing. R. Guyer. 2,473,055, June 14.
Cartons, Method and apparatus for producing. S. Bergstein. 2,472,883, June 14.
Cartridge belt link. A. F. Galdos. 2,472,817, June 14.
Case: *See*—
Open-top refrigerated dis- play case.
Spectacle case.
Case and table, Combined carrying. O. E. Fenske, Jr. 2,473,022, June 14.
Casting, Curb inlet. De W. S. Crocker. 2,473,279, June 14.
Casting machine for lining bearings. W. H. Tobener, Jr. 2,473,481–2, June 14.
Casting of metal tubes, Method and apparatus for the continuous. I. Rossi. 2,473,221, June 14.
Catch. R. A. Stone. 2,473,181, June 14.
Cathode coating for electron discharge devices. O. S. Bright, Jr. 2,473,358, June 14.
Cathode-ray tube. A. H. A. Wynn and R. A. Hill. 2,473,320, June 14.
Cellulose, Preparing regenerated. G. D. Hiatt and C. L. Crane. 2,473,473, June 14.
Cellulose, Washing. J. W. Ahquist. 2,472,877, June 14.
Chair: *See*—
Folding push chair.
Telescoping collapsible chair.
Chair with folding table leaf. E. B. Morgan and R. W. Clay. 2,473,037, June 14.
Chamber for surgical uses, Sterilized and air-conditioned. R. Letac. 2,473,033, June 14.
Checkerboard, Electromagnetic. J. M. Moon. 2,472,910, June 14.
Chord indicator. L. Ruben and E. J. Zelk. 2,473,222, June 14.
Chuck, Combination diaphragm and clamp. T. H. Ljungren and G. M. Green. 2,473,380, June 14.
Chucking mechanism, Center drive lathe power. W. R. Meyer and H. J. Siekmann. 2,473,108, June 14.
Circuit: *See*—
Counting tube transfer cir- cuit.
Voltage multiplying circuit.
Potentiometric circuit.
Circuit breaker, Combined thermal-magnetic. K. Dannenberg. 2,473,196, June 14.
Circuit breaker mounting means. W. M. Scott, Jr. 2,472,901, June 14.
Circuit for control apparatus, Sensitivity equalising. R. F. Wild. 2,473,401, June 14.
Circuits, Electric valve control. M. E. Bivens. 2,473,238, June 14.
Circuits, Tunable electrical. M. J. O. Strutt and J. M. van Hoftwegen. 2,473,310, June 14.
Clamp: *See*—
Hose clamp. Pipe clamp.
Clamp for attachment to tubular lamps, Lamp-rotating. R. T. Riker and J. H. Molat. 2,472,858, June 14.
Clamp for pressing machines, Cover. H. W. Winters. 2,473,085, June 14.
Clamping device, Cable. C. R. Pieper. 2,473,071, June 14.
Cleaner: *See*—
Smoking pipe cleaner. Vacuum cleaner.
Clip: *See*—
Molding clip. Plug-in clip.
Clothes hanger. G. T. Alkin. 2,473,408, June 14.
Clutch: *See*—
Overload or fixed load clutch.
Clutch control mechanism, Vehicle. R. E. Burrus. 2,472,780, June 14.
Coating machine for flexible sheet materials. J. Ettl. 2,473,243, June 14.
Coffee filter. J. W. Myers. 2,472,955, June 14.
Coil for weed burners and pear burners. J. B. Blackwell. 2,473,192, June 14.
Comparator, Potential. O. A. Tyson. 2,473,457, June 14.
Composition comprising a copolymer of vinyl chloride-vinyl acetate and ground peanut hulls and making same. H. M. Kniman. 2,473,030, June 14.
Composition for and method of chemically coating aluminum. F. P. Spruance, Jr. and J. H. Thirsk. 2,472,864, June 14.
Composition suitable for the construction of roads, paths, floors, aerodrome runways, and the like. J. F. T. Blott. 2,473,326, June 14.
Computing system. J. A. Rajchman. 2,473,444, June 14.
Condensation of zinc from its vapor in gaseous mixtures. S. Robson. 2,473,304, June 14.
Condensation products of citric acid with long chain aliphatic monohydric alcohols. J. H. Wernts. 2,473,460, June 14.
Condition responsive switch. J. C. Roache. 2,473,075, June 14.
Connecting rod. W. W. Hamill and R. S. Crump. 2,473,096, June 14.
Connection for vehicle coupling and steering devices, Double universal. J. H. Hyler. 2,473,375, June 14.
Connector for ironing boards, Dual reel wire. I. Mendelsohn. 2,473,107, June 14.
Constant velocity universal joint. F. F. Miller, Jr. 2,473,036, June 14.
Contacts, Making. R. C. Heath, W. R. Howe, and W. E. King. 2,473,371, June 14.
Container: *See*—
Dispensing container. Line dispensing container.
Container. E. A. Pardee. 2,472,985, June 14.
Container. W. A. Roselle. 2,473,391, June 14.
Container seams, Electric butt-welding metallic. H. J. Paynter. 2,472,848, June 14.
Control apparatus. M. Gottlieb and F. A. Meyer. 2,472,895, June 14.
Control for ranges. J. F. Dunn. 2,472,705, June 14.
Control means for internal-combustion-operated free-piston machines. E. S. L. Beale. 2,472,934, June 14.
Control mechanism. A. K. Gaylord. 2,473,094, June 14.
Control mechanism, Fire escape. J. J. Jaszlieck. 2,473,205, June 14.
Control system, Follow-up. E. F. W. Alexanderson, M. A. Edwards, and G. A. Hoyt. 2,473,235, June 14.
Control system for cathode-ray tubes, Voltage. A. W. Comins. 2,473,330, June 14.
Controller, Electric. C. L. Perry. 2,473,256, June 14.
Controlling torch spacing, Method and apparatus for. H. O. Klinker. 2,472,951, June 14.
Converter, Line balance. G. H. Brown and O. M. Woodward, Jr. 2,473,328, June 14.
Conveyer, Reciprocating. D. C. Campion. 2,473,193, June 14.
Conveyer system, Multiple belt. F. J. Blume. 2,472,803, June 14.
Copper base alloy. K. H. Koopman. 2,473,028, June 14.
Cord protector and strain reliever for use with electrical connectors. E. E. Reder, Jr. 2,472,986, June 14.
Corn products, Manufacture of. D. W. Hansen 2,472,971, June 14.
Corset attachment. J. L. Holt. 2,472,974, June 14.
Corset, Form of. W. Namegah. 2,472,982, June 14.
Counting tube transfer circuit. H. T. Lyman, Jr. 2,473,159, June 14.
Coupler, Tubing. I. G. Rambo. 2,473,388, June 14.
Coupling: *See*—
Fireless tube coupling. Ultra high frequency coupling.
Hose coupling.
Quick detachable coupling.
Coupling for brittle pipes. J. H. Kroops. 2,473,102, June 14.
Coupling for fireless tubes. J. N. Wolfram. 2,473,119, June 14.
Coupling for tubes. J. N. Wolfram. 2,473,118, June 14.

Coupling for tubes. J. N. Wolfram 2,473,120, June 14.
Coupling pipe. H. O. Guenthner. 2,473,283, June 14.
Coupling with unitary die cast vane structure, Fluid. E. A. Weiss. 2,473,185, June 14.
Cracking catalyst. R. E. Schermaiider, Jr., and E. A. Hunter. 2,472,834, June 14.
Crate having lifting means. C. A. Connolly. 2,472,939, June 14.
Cross strip, Antiskid. B. Hershman. 2,473,249, June 14.
Cup for cleaning drainpipes and the like, Force. E. L. Scott. 2,473,452, June 14.
Cup positioning apparatus. A. A. Quimper. 2,472,921, June 14.
Cup, Teat. H. O. Lindgren. 2,473,379, June 14.
Curler, Hair. A. E. Vanzhn. 2,473,115, June 14.
Curtain, Ruffle. F. S. Nichols. 2,472,956, June 14.
Cushion, Bench. L. J. Thompson. 2,473,312, June 14.
Cushioning means for calculating machines, Carriage. H. Gang. 2,473,471, June 14.
Cutter: *See*—
Glass cutter. Vine cutter.
Cutting and welding machine. H. A. Huff, Jr. 2,472,948, June 14.
Cyclohexene, Manufacture of. E. Gorin and A. G. Oblad. 2,473,472, June 14.
Damper for fireplaces, furnaces, and the like, Adjustable flue or chimney. E. A. Streta. 2,473,182, June 14.
Damper, Vibration. J. A. Hardy. 2,473,335, June 14.
Depressant for oil compositions, Pour point. R. J. Hawes, W. F. Behrman, and C. A. Campbell. 2,473,370, June 14.
Detecting flaws, Method and apparatus for. W. C. Barnes and H. W. Keevil. 2,472,784, June 14.
Detector and indicator system, Standing wave. D. Blitz. 2,472,785, June 14.
Developing high magnetic permeability and low core loss in very thin silicon steel. M. F. Littmann. 2,473,156, June 14.
Device for lifting and transporting objects. A. J. Bevevino. 2,473,410, June 14.
Device for thermal receivers, Protective. A. A. C. Bayle. 2,472,879, June 14.
Device for transmitting and receiving compressional waves. H. Benioff. 2,473,354, June 14.
Device on which to form miniature ladders, etc. F. Spano. 2,473,398, June 14.
Dial mounting. E. B. Moss. 2,473,291, June 14.
Die casting machine. J. Galliano. 2,473,366, June 14.
Dielectric materials, Testing. M. A. Elliott. 2,472,814, June 14.
Digging tooth for excavating buckets. R. E. George. 2,472,892, June 14.
Diol compounds and esters thereof. C. N. Zellner, and H. B. Granholm. 2,473,406, June 14.
Dioleön distillation. R. F. Howe. 2,473,203, June 14.
Direction finding device. K. Posthumus. 2,473,401, June 14.
Discharge device, Gaseous. P. W. Stutsman. 2,472,865, June 14.
Dish cleaning and garbage collecting machine. R. M. Carson. 2,473,007, June 14.
Dish, Nut. C. W. Heath. 2,473,026, June 14.
Disk, Hygroscopic. B. Cones. 2,473,276, June 14.
Disk supporting jig while treating the edge of the disk. C. E. Adams. 2,473,407, June 14.
Dispenser: *See*—
Lady's portable powder dispenser.
Dispensing container. M. I. Williamson. 2,472,871, June 14.
Dispensing machine, Butter. L. Herber. 2,473,057, June 14.
Document copying machine, Flow camera. F. C. Yohn. 2,472,931, June 14.
Dolly, Truck. T. E. Leonard. 2,472,952, June 14.
Door and bridge, Elevator. E. E. Alexander. 2,473,125, June 14.
Door check device. R. L. Brown. 2,473,359, June 14.
Door locking device, Hand brake lever controlled. C. L. Miller. 2,472,915, June 14.
Drawbar, Swinging. E. G. Blunier. 2,473,357, June 14.
Drier: *See*—
Hair drier. Portable clothes drier.
Drilling machine. H. Goldberg. 2,472,967–8, June 14.
Drilling mud containing gelatinized starch and monoethanol ammonium 2-benzothiazyl sulfide. W. F. Rassell. 2,473,392, June 14.
Drive for gas turbine locomotives, Electric. A. F. Schwendner. 2,472,924, June 14.
Dye intermediates, Hydrophilic. D. W. Woodward. 2,473,403, June 14.
Dyes, Metallized tetrakisazo. W. Wehrli. 2,472,965, June 14.
Dynamoelectric machine. R. A. Fuller. 2,473,244, June 14.
Dynamoelectric machine. P. S. Potts. 2,473,259, June 14.
Dynamoelectric machine having laminated armature with teeth slotted to reduce eddy currents. W. L. Ringland. 2,473,302, June 14.
Egg separator stand. R. W. S. Boden. 2,473,411, June 14.
Electric motor. W. E. Bledsoe, Jr. 2,473,049, June 14.
Electric motor mounting. F. O. Laenberger. 2,473,105, June 14.
Electric switch. R. Bain. 2,473,088, June 14.
Electric switch. R. E. Smith. 2,473,263, June 14.
Electric traction motor. W. J. Bauroth. 2,473,130, June 14.
Electrical apparatus. J. Halpern. 2,473,426, June 14.
Electrical baking mold. M. E. Wood. 2,473,402, June 14.
Electrically conductive fabric. W. Watson. 2,473,183, June 14.
Electrode. R. Corteee. 2,473,413, June 14.
Electron discharge device of the magnetron type. P. L. Spencer. 2,473,399, June 14.
Electron tube. D. Drieschman, and R. Chamberlin. 2,472,942, June 14.
Electronic square wave signal generator. L. H. Johnston. 2,473,432, June 14.
Elevator control mechanism. G. D. Pettengill; T. F. Jarvis, and W. L. Fader. 2,472,959, June 14.
Elevator, Stair. H. E. Firestone. 2,472,943, June 14.
Engine: *See*—
Two-cycle engine.
Engine control, Free piston. R. Huber. 2,473,204, June 14.
Engine of the multiple piston type, Multiple cylinder. D. Adams. 2,473,268, June 14.
Esters of alpha-fluoromethyl acrylic acids. J. B. Dickey. 2,472,812, June 14.
Evaporator for therapeutic, sterilising, and insecticidal liquids. G. Szekely. 2,472,992, June 14.
Exothermic reactions, Carying out. H. V. Atwell. 2,473,129, June 14.
Extrusion apparatus. J. W. Van Riper. 2,473,230, June 14.
Fabric: *See*—
Electrically conductive fabric.
Fabricated articles, Making. J. Gregg. 2,473,024, June 14.
Fan and air-heating means, Combined electric. J. M. Amfero. 2,473,325, June 14.
Feed belt, Machine gun ammunition. W. A. Schaich. 2,472,861, June 14.
Ferrochromium. H. de W. Erasmus. 2,473,020, June 14.
Ferrochromium, Production of. H. de W. Erasmus. 2,473,019, June 14.
Ferrochromium, Production of low carbon. H. R. Spendelow, Jr., and H. D. Erasmus. 2,473,021, June 14.
Field apparatus for egg pasteurization, High-frequency electrostatic. W. M. Urbain, and P. Schauert. 2,473,041, June 14.
Filter: *See*—
Blood filter. Coffee filter.
Filter system, Low-pass. G. L. Fredendall. 2,472,798, June 14.
Fire extinguisher, Dry chemical. W. E. Snowden. 2,473,349, June 14.
Firing line catcher. J. D. Williams. 2,473,142, June 14.
Fish lure, Artificial. B. E. Ollmore. 2,473,346, June 14.
Fish stringer. G. J. Sharpe. 2,473,348, June 14.
Fishing lure. L. D. Adam and N. G. Poplin. 2,473,324, June 14.
Fixture, Telephone handset supporting. R. R. Mathiesen. 2,473,106, June 14.
Flareless tube coupling. G. V. Woodling. 2,472,872, June 14.
Flask, Molder's. W. J. Jones. 2,473,101, June 14.
Flow regulator. F. L. Brown and H. S. Steen. 2,472,787, June 14.
Fluz, Galvanising. E. R. Boller, L. D. Enbank, and R. J. Kepfer. 2,473,004, June 14.
Folder. S. M. Zimmerman. 2,473,352, June 14.
Folding push chair. B. C. W. Spackman. 2,473,350, June 14.
Food products, Preparation of dehydrated. W. A. Webb. 2,473,184, June 14.
Forging or upsetting of metal rods or bars using electric resistance heating. M. G. Hanna. 2,473,245, June 14.
Fuel injection pump. W. F. Bryant. 2,473,412, June 14.
Fuel, Motor. H. L. Maxfield. 2,473,430, June 14.
Furnace: *See*—
Heat-treat furnace. Tilting salt bath furnace.
Furnace. S. P. Campbell and E. Grubb. 2,473,006, June 14.
Furnace construction, Regenerative. R. L. Hasche. 2,473,427, June 14.
Fuse, Sensitive. R. L. Graumann. 2,472,821, June 14.
Garment hanger. R. C. Hefferman. 2,473,201, June 14.
Gas trap. W. C. Kimbrough. 2,473,150, June 14.
Gas turbine arrangement, Combustion. R. Birmann. 2,473,350, June 14.
Gasket and gasket composition. H. A. Winkelmann. 2,473,310, June 14.
Gear: *See*—
Alighting gear. Liquid control gear.
Gear for machine tools, Transmission. A. Bechler. 2,472,880, June 14.
Gearing, Dual ratio. H. N. Hoffman. 2,473,250, June 14.
Gearing, Step-up. R. E. Burrus. 2,472,788, June 14.
Generator: *See*—
Electronic square wave signal generator.
Glass cutter. W. M. Bazer. 2,473,189, June 14.
Glove, Baseball. J. Gregg. 2,473,025, June 14.
Golf club head, Universal. F. Mahon. 2,472,978, June 14.

Governor, Centrifugal. A. H. Rodeck and A. G. Massey. 2,472,440, June 14.
Grinder, Lawn mower. J. T. Russell. 2,472,922, June 14.
Grinder, Lawn mower. A. C. Thompson. 2,473,313, June 14.
Gripper mechanism. J. Fossa. 2,472,816, June 14.
Guard arrangement for power presses. C. J. Rhodes. 2,473,210, June 14.
Guard, Gas stove valve operator. C. Conterno. 2,472,793, June 14.
Guide, Window shade. E. A. Schmaus. 2,473,305, June 14.
Hair curl holder pin. A. Wittman. 2,473,186, June 14.
Hairdressing device. N. L. Solomon. 2,473,227, June 14.
Hair drier. M. A. Woodrum. 2,472,873, June 14.
Hair waver. L. I. Pink. 2,473,108, June 14.
Halftone screen holder. H. Gelb. 2,473,023, June 14.
Halo-substituted acetals, Preparation of. W. J. Croxall and H. T. Neher. 2,473,014, June 14.
Handbag having flexible sidewalls, Cylindrical. I. Rubin. 2,472,859, June 14.
Handle and socket structure. P. W. Bader and F. E. Oakhill. 2,473,000, June 14.
Handle control mechanism. G. N. Barrere. 2,472,783, June 14.
Hanger: *See*—
Clothes hanger. Garment hanger.
Harmonica and wind cell block therefor. F. H. Magnus. 2,473,210, June 11.
Harness. E. T. Todd. 2,473,114, June 14.
Harvester, Cotton. J. J. Wallace. 2,473,315, June 14.
Headgear for pedestrians and workmen, Safety. C. W. Scott. 2,473,394, June 14.
Heat detecting system. J. Evans. 2,473,197, June 14.
Heat exchange system. R. E. Olson. 2,472,984, June 14.
Heat-treat furnace. C. Menzies. 2,473,381, June 14.
Heat-treating liquids, Method and apparatus for. J. O. Ziegler. 2,472,998, June 14.
Heater: *See*—
Unit type airplane heater.
Heater with constant heating rate control, Radio-frequency. F. G. Albin. 2,473,188, June 14.
Heating apparatus, High-frequency dielectric. E. T. Hsu. 2,473,251, June 14.
Heating unit, Electrical. D. P. Wilkes. 2,472,930, June 14.
Helical asymmetrical thread forms for fluid devices. J. E. Whitfield. 2,473,234, June 14.
Hitch, Tractor. J. C. Kass. 2,472,905, June 14.
Hoist, Plasterboard. A. F. Core. 2,472,887, June 14.
Holder: *See*—
Halftone screen holder.
Holder. R. O. Montero. 2,473,086, June 14.
Hop and leaf separator. A. E. Osmnd. 2,473,215, June 14.
Hops treatment. G. Segal. 2,473,395, June 14.
Hose clamp. D. M. Buffington. 2,473,092, June 14.
Hose coupling. J. A. Muller. 2,473,441, June 14.
Hydraulic jack. H. A. Thorndike. 2,472,867, June 14.
Hydrocarbon metallic halides, Preparing. R. V. Lindsey, Jr. 2,473,434, June 14.
Implement for winding and folding harvesting sheets. W. H. Born. 2,473,327, June 14.
Impregnating device, Log. H. Svensson. 2,473,480, June 14.
Indicator: *See*—
Chord indicator. Time-interval indicator.
Indicator for photographic enlargers, Focus and magnification. M. T. Kolesnikoff. 2,472,007, June 14.
Initiator, Delay electric. D. T. Zebree. 2,473,405, June 14.
Instrument of the string type, Musical. C. B. Page. 2,473,442, June 14.
Insulation means for electrical apparatus. J. M. England. 2,473,332, June 14.
Insulator and making the same, Commutator cone. E. M. Hausbeer. 2,473,248, June 14.
Interlocking device, Truck bolster. R. B. Cottrell. 2,473,012, June 14.
Ironing machine, Electric. F. T. Fuge. 2,472,891, June 14.
Island for well drilling. W. J. Travers, Jr. 2,472,869, June 14.
Jack: *See*—
Hydraulic jack.
Jacket, Mold. F. L. Madrigal. 2,473,160, June 14.
Joint: *See*—
Constant velocity universal joint. Ultra high frequency rotatable joint.
Joint construction, Wall panel. K. H. Miller. 2,472,981, June 14.
Key for use with locks in which the tumblers are movable parallel to the axis of the plug, Adjustable. C. J. Borda. 2,473,273, June 14.
Keyholder. I. Herriott. 2,473,428, June 14.
Keyless lock. H. Cordrey and W. J. Duvall. 2,473,052, June 14.
Kite plane device. M. E. Nissen. 2,473,213, June 14.
Knife assembly and stripper for meat tendering machines. A. H. Ahrndt. 2,472,800, June 14.
Knife, Rotary disk. A. H. Ahrndt and P. H. Meyer. 2,472,876, June 14.
Lacquer, Fungicidal. W. S. Osborne. 2,472,847, June 14.
Lady's portable powder dispenser. P. Wolfers. 2,472,574, June 14.
Lamp for endoscopic instruments. I. Sawa. 2,473,479, June 14.
Lamp standard, Telescoping. H. F. Reichenbach. 2,473,218, June 14.
Latch: *See*—
Bathroom locking latch.
Lathe, Tandem spindle. J. H. Schreiber. 2,473,306, June 14.
Lawn edger. H. W. Hearn. 2,472,972, June 14.
Lens structure for headlights and the like, Antiglare. J. H. Plant. 2,472,850, June 14.
Lifter: *See*—
Toilet seat lifter.
Light control, Automatic. W. D. Fleming. 2,472,815, June 14.
Lighter. H. B. Greene. 2,472,822, June 14.
Lighter, Dispensing cigarette. A. E. Hutchinson and G. G. Thomas. 2,472,835, June 14.
Lighter, Pipe. J. F. Head. 2,472,825, June 14.
Line dispensing container. C. E. Plouff. 2,473,072, June 14.
Link construction, Cuff. J. M. Oldak. 2,472,958, June 14.
Liquid control gear. C. G. Hebel and R. H. Wallace. 2,473,282, June 14.
Liquid phase chlorination. E. T. McBee and L. W. Devaney. 2,473,162, June 14.
Litter installation for vehicles. E. G. Dickinson and J. C. Parkin. 2,473,364, June 14.
Lock: *See*—
Keyless lock. Sliding door lock.
Overhead door lock.
Lock for closures. K. Miller. 2,473,065, June 14.
Lock for mailing galleys, Type. R. B. Orr. 2,473,214, June 14.
Locking device for telescopic connections. L. Thompson and D. T. Wilson. 2,473,351, June 14.
Loudspeaker support post, Outdoor theatre. O. M. Petersen. 2,473,173, June 14.
Lubricator: *See*—
Piston rod packing lubricator.
Lubrication system. O. D. H. Bentley. 2,472,802, June 14.
Machine construction, Dynamoelectric. F. M. Potter. 2,473,257, June 14.
Machine for applying bands to cigars. H. E. Brouns. 2,473,275, June 14.
Machine for applying rubber tire treads to carcasses. E. Miller. 2,473,067, June 14.
Machine for making circular form tools. G. R. Houghtaling. 2,472,975, June 14.
Machine for sorting record cards. E. A. Ford. 2,472,890, June 14.
Machine tool. F. H. Bogart. 2,473,133, June 14.
Machine tool. A. J. Conn and R. B. Stanley. 2,473,093, June 14.
Machine tool. N. P. Darash. 2,473,138, June 14.
Magnetic induction device. C. G. Smith. 2,473,477, June 14.
Maintenance of catalyst activity in hydrocarbon conversion processes. J. C. Munday and E. W. S. Nicholson. 2,472,844, June 14.
Marine mine. J. I. Thompson and D. E. Marlowe. 2,472,866, June 14.
Marking and cutting machine, Cloth. V. Sciancalepore. 2,473,451, June 14.
Mass spectrometry. H. W. Washburn. 2,472,870, June 14.
Material handling device. R. K. Mulse. 2,472,843, June 14.
Means to straighten shoe soles. H. E. Loungren. 2,473,490, June 14.
Measuring system and saturable reactor for use therein. C. W. Miller and N. B. Nichols. 2,472,980, June 14.
Mechanical movement. R. E. Paris. 2,472,919, June 14.
Mechanical skeleton. J. H. Gleeson. 2,472,819, June 14.
Mechanism for calculating machines, Tens carry. H. Gang. 2,473,422, June 14.
Mechanism for roving and spinning frames, Double condenser high draft. J. V. Weinberger. 2,472,929, June 14.
Metal article, Protected. F. G. Singleton and P. W. Jenkins. 2,472,903, June 14.
Metal contact surfaces, Pickling. E. R. Bowerman, Jr. 2,472,786, June 14.
Metering means for a bottle having a lock to ensure the tipping of the bottle to dispense. R. Wortman. 2,473,402, June 14.
Miniature golf game board. J. Cipyak. 2,473,277, June 14.
Minimizing the horizontally-traveling components of seismic waves, Method and apparatus for. C. G. Dahm. 2,473,409, June 14.
Mirror observation unit for smoke indicators, Adjustable. R. H. Wager. 2,473,231, June 14.
Mold: *See*—
Electrical baking mold.
Mold for lining bearings. W. H. Tobener, Jr., and C. V. Anderson. 2,473,483, June 14.
Molding clip. D. H. Waara. 2,473,400, June 14.
Motion-picture screen. A. W. Ramstad. 2,473,301, June 14.
Motion transmission mechanism. S. H. Cook. 2,473,362, June 14.

Motor: *See*—
Electric motor. Rotary aircraft atbodyd
Electric traction motor. motor.
Motor control apparatus, Electric. W. H. Wannamaker, Jr. 2,473,494, June 14.
Mount and shoulder rest, Combination. J. R. Bird. 2,472,804, June 14.
Mounting: *See*—
Bearing mounting. Electric motor mounting.
Dial mounting.
Mounting means for top charged electric furnaces, Adjustable roof. W. E. Moore. 2,472,954, June 14.
Moving apparatus, House. B. Adkins. 2,472,932, June 14.
Muffler, Baffle type. M. F. Lathers. 2,473,103, June 14.
Multiple switch. F. J. Maloney. 2,473,287, June 14.
Multiplier for ultra-high frequencies, Electron. C. C. Larson. 2,473,031, June 14.
Music stand. M. M. Garcia. 2,473,109, June 14.
Necktie rack. L. Kovacs. 2,473,029, June 14.
Needle for sewing braided rugs. A. F. Smylie. 2,472,990, June 14.
Needle, Larding and seasoning. A. S. Bettencourt. 2,473,191, June 14.
Needle, Phonograph. W. H. Hutter. 2,473,374, June 14.
Nozzle for jet-propelled aircraft, Steering. F. S. Kramer. 2,472,839, June 14.
Nozzle for supersonic wind tunnels, Flexible. J. O. Jackson. 2,472,940, June 14.
Nozzle, Mixing. R. M. Doull. 2,473,415, June 14.
Oar, Reversible. R. C. Moeller. 2,473,440, June 14.
Oils corrosive to copper, Treatment of. C. A. Cohen. 2,473,195, June 14.
Oils from fish material, Extracting. R. F. Shropshire. 2,473,453, June 14.
1-cyano-1,3-butadiene, Preparation of. P. H. Wise. 2,473,486, June 14.
Open-top refrigerated display case. N. Achs. 2,473,122, June 14.
Opener, Screw cap. W. F. Grant. 2,473,425, June 14.
Operating device, Hatch cover. C. R. Hamilton. 2,473,098, June 14.
Operation of systems by a unit cylinder, Selective. A. N. Milleter. 2,473,168, June 14.
Organic compounds, Separation of. C. C. King. 2,472,837, June 14.
Oscillator. F. F. Rieke. 2,473,448, June 14.
Overhead door lock. H. B. Clark. 2,472,791, June 14.
Overload device, Thermal. S. E. Vickers. 2,473,485, June 14.
Overload or fixed load clutch. C. B. Spase. 2,472,925, June 14.
Overload protection system. W. E. McCown. 2,473,344, June 14.
Papermaking machine. C. S. Adams. 2,473,269, June 14.
Papermaking machine, Cylinder mold. C. S. Adams. 2,473,270, June 14.
Passing of warp threads through reeds. H. Meier. 2,473,289, June 14.
Passivation of ferrous metals. E. A. Thurber. 2,473,456, June 14.
Pasting and cutting device, Wallpaper. O. J. Bolvin. 2,472,935, June 14.
Pencil with step-by-step lead feeding means, Mechanical. D. Jueles. 2,473,149, June 14.
Perforator, Mechanical. R. F. Mallina. 2,473,437, June 14.
Petroleum distillates, Transporting. L. V. Sorg. 2,473,455, June 14.
Petroleum oil, Treatment of crude. C. O. Hoover. 2,473,431, June 14.
Phase or frequency modulation. D. Weighton. 2,473,318, June 14.
Photographic images by color development, Production of. P. R. Mereckx. 2,473,166, June 14.
Photographing and developing apparatus, Automatic. R. W. Dart and S. Jenkins. 2,473,280, June 14.
Photographing and developing apparatus, Double exposure. G. N. Pifer. 2,473,174, June 14.
Photography, Color. R. D. Beasley. 2,473,131, June 14.
Photovision. A. B. Du Mont. 2,472,889, June 14.
Pillow, Abdominal. L. D. and H. B. Brose. 2,473,136, June 14.
Pin: *See*—
Hair curl holder pin.
Pin-forming and button-planing machine. J. G. Wegman. 2,473,116, June 14.
Pipe: *See*—
Coupling pipe.
Pipe clamp. C. Adams, Jr. 2,473,046, June 14.
Pipe fitting. C. Adams, Jr. 2,473,045, June 14.
Piston and assembly, Reciprocating pump. A. L. Leman. 2,473,064, June 14.
Piston coupling mechanism. H. S. Hoffar. 2,473,430, June 14.
Piston for use in internal-combustion engines. Hsin-Ya Tien. 2,472,928, June 14.
Piston rod packing lubricator. F. N. Dickerman. 2,473,139, June 14.
Piston with angular heat dam in the head. A. J. Morris. 2,473,254, June 14.
Plate, Cooling. P. H. Brinkoeter. 2,472,937, June 14.
Plating nickel on aluminum. E. H. McCoy. 2,473,168, June 14.
Plug: *See*—
Spark plug. Sparking plug.
Plug-in cup. M. Yanke. 2,473,321, June 14.
Pneumatic drilling tool. A. H. Katterjohn. 2,473,433, June 14.
Pole, Ski. C. A. Luekens, Jr. 2,473,158, June 14.
Polymerizing dioleine in an unsaturated and aromatic gasoline distillate, Selectively. M. C. K. Jones and R. C. Brandon. 2,473,206, June 14.
Polymerizing vinyl and vinylidene compounds, Method and catalysts for. J. W. Britton and R. C. Donner. 2,473,005, June 14.
Polymers of alpha-fluoromethyl acrylic acid esters. J. B. Dickey. 2,472,811, June 14.
Portable clothes drier. I. Bershad. 2,473,047, June 14.
Potentiometric circuit. I. A. Greenwood, Jr. 2,473,334, June 14.
Power and control mechanism, Helicopter. C. O. Donley. 2,473,331, June 14.
Power plant, Heat. F. Nettel and J. Kreitner. 2,472,846, June 14.
Power plant with speed reduction transmission gearing, Fluid turbine. K. Baumann. 2,472,878, June 14.
Pressing materials on sewing machines, Hot. C. S. Barlow. 2,473,236, June 14.
Printer device for duplicating machines, Line. E. W. Peterson. 2,473,070, June 14.
Products mechanism, Partial. R. E. Bitner. 2,473,466, June 14.
Projector, Bowling game ball. L. Almasi. 2,473,087, June 14.
Projector, Marble. D. B. Brooks and C. J. Van Boven. 2,473,091, June 14.
Projector, Motion-picture. O. R. Nemeth. 2,472,983, June 14.
Propane chlorination. E. T. McBee and L. W. Devaney. 2,473,161, June 14.
Propeller, Reversible. E. R. and L. E. Kennedy. 2,472,836, June 14.
Protein, Preparing modified. I. A. Parfentjev. 2,473,255, June 14.
Pump: *See*—
Fuel injection pump.
Rotary balanced vane pump.
Pump and the like, Reciprocatory. R. J. Ifield. 2,473,336, June 14.
Pump or motor, Hydraulic. E. K. Benedek. 2,473,271, June 14.
Punch. A. A. Bembold. 2,473,072, June 14.
Purification of chloral containing underchlorinated constituents. H. C. Beachell and M. Sveda. 2,473,008, June 14.
Push-button switch. P. Hatt. 2,473,252, June 14.
Puzzle, Three-dimensional. A. Harris. 2,473,369, June 14.
Quick detachable coupling. C. A. Weise. 2,473,459, June 14.
Quinoneimine dyes from hydroxy-benzamidobenzaldehyde and hydroxybenzsulfamido-benzaldehyde acetals of lower alkanols and 1,2- and 1,3-alkane-diols. E. L. Martin. 2,472,911, June 14.
Rack: *See*—
Necktie rack.
Radio direction-finding system. L. N. Ridenour. 2,473,175, June 14.
Radio scanning apparatus. R. F. Hays, Jr. 2,472,524, June 14.
Rake, Tractor drawn hay. C. J. Meyer. 2,472,953, June 14.
Razor, Safety. J. W. Clark. 2,472,807, June 14.
Recovery of light oil from absorbent. F. Denig. 2,472,810, June 14.
Rectifier, Alternating current. A. C. Fletcher and D. Lloyd. 2,473,410, June 14.
Rectifier, Grid controlled polyphase. F. A. Obley. 2,473,386, June 14.
Rectifier, Point-contact. F. H. Brittain and C. E. Ransley. 2,472,938, June 14.
Rectifying apparatus, Mercury vapor. S. G. King. 2,473,151, June 14.
Recuperator system for airplane cannons. H. N. Metsel. 2,473,211, June 14.
Reducing cut-growth rate of rubberlike butadiene-styrene copolymer. A. R. Davis. 2,473,016, June 14.
Reel construction, Film. P. L. Karr. 2,473,337, June 14.
Reel for motion-picture films. R. J. Reynolds. 2,473,074, June 14.
Reflector, Wave modifying. W. J. Albersheim. 2,472,782, June 14.
Refrigerating system, Low-pressure absorption. J. G. Reid, Jr. 2,473,380, June 14.
Refrigeration method and system having provision for the return of purged gas, Absorption. E. P. Whitlow. 2,473,355, June 14.
Refrigerator car with a movable bulkhead. C. L. Meesman. 2,473,169, June 14.
Refrigerator having means for minimizing condensation. O. H. Yossimer. 2,473,322, June 14.
Register construction. W. C. De Roo. 2,473,053, June 14.
Regulating or controlling apparatus, Thermostatically-operated. W. W. Hamill. 2,473,097, June 14.

Regulator: *See*—
Flow regulator.
Remote control. R. Alkan. 2,473,464, June 14.
Removal of surface moisture from wet articles. C. D. Cothran. 2,472,794, June 14.
Resistor of the tubular type, Adjustable. D. F. Hastings and R. H. Winkler. 2,473,246, June 14.
Resistor, Temperature-stable molded. M. L. Barfield and J. J. Gurtowski. 2,472,801, June 14.
Resistor, Variable compound. J. T. Beechlyn. 2,473,409, June 14.
Resuscitator. J. H. Emerson and G. J. Sinnett. 2,473,416, June 14.
Retarding mechanism. H. Slavin. 2,473,397, June 14.
Retractor, Self-retaining abdominal. D. J. Wexler. 2,473,266, June 14.
Rheostat device, Electrical. D. F. Hastings. 2,473,247, June 14.
Rig, Portable drilling. E. L. Alexander and A. W. Braithwaite. 2,472,999, June 14.
Rings, Twin finger. J. Gerson. 2,472,893, June 14.
Rod: *See*—
Connecting rod.
Rod clamp or the like. E. M. Peoples. 2,473,217, June 14.
Rotary aircraft athodyd motor. B. A. Nicolaeff. 2,472,917, June 14.
Rotary balanced vane pump. W. T. Stephens. 2,473,309, June 14.
Rotor for helicopters, Tail. J. N. Candler. 2,473,329, June 14.
Rotor generating. J. E. Whitfield. 2,473,233, June 14.
Safety apparatus. S. M. Mercier. 2,472,914, June 14.
Safety catch, Self-locking. M. Yasnor. 2,473,044, June 14.
Sanding and finishing tool. C. A. Hein. 2,472,899, June 14.
Sawhorse, Folding. C. O. Larson. 2,473,342, June 14.
Scale, Hydraulic weighing. L. S. Williams. 2,473,083, June 14.
Scale poise, Weighing. L. S. Williams. 2,473,084, June 14.
Screen: *See*—
Motion-picture screen.
Seal, Shaft. O. Jacobsen. 2,473,061, June 14.
Seat. K. L. Emberson. 2,473,305, June 14.
Self-adjusting slip box. R. W. Erlbacher. 2,473,140, June 14.
Separator: *See*—
Hop and leaf separator. Vortical current separator.
Servo system, Antihunt electrical. W. G. Gorton. 2,473,423, June 14.
Servo system, Gas tube controlled. W. C. Grabau. 2,473,424, June 14.
Shaft machine, Flexible. A. W. Mall. 2,473,286, June 14.
Shaft-pulling tool. L. Griffin. 2,473,200, June 14.
Shaft, Sectional. M. Fesl. 2,473,417, June 14.
Shaving apparatus. J. Lorena. 2,472,853, June 14.
Shim. R. Seipt and D. M. Steves. 2,473,307, June 14.
Ship construction, Composite. R. C. Sabins. 2,473,039, June 14.
Shock absorber structure. E. H. Whisler, Jr. 2,473,043, June 14.
Shoe. J. D. Risso. 2,472,987, June 14.
Shoe tree. L. Kessler. 2,473,207, June 14.
Shoe tree, Expansible. A. Schoehusen. 2,473,176, June 14.
Shroud for multiple runner fluid couplings. B. P. Clifton. 2,473,137, June 14.
Shuttle-guiding device in circular looms. H. Pelcé. 2,473,172, June 14.
Signal: *See*—
Automobile disappearing warning signal.
Signal for airplanes, Emergency radio. C. J. Camp. 2,473,050, June 14.
Signaling device, Alarm, light, and safety. E. F. Lynd. 2,473,436, June 14.
Signaling device, Supervisory. P. M. G. Toulon. 2,473,314, June 14.
Signaling system, Pneumatic dispatch. D. W. G. McClure. 2,472,857, June 14.
Silica containing catalysts, Preparation of. E. A. Hunter. 2,472,830, June 14.
Silica-group IV metal oxide catalyst, Preparation of a. E. A. Hunter and C. N. Kimberlin, Jr. 2,472,832, June 14.
Silica-group VIII metal oxide catalyst, Preparation of a. E. A. Hunter and C. N. Kimberlin, Jr. 2,472,833, June 14.
Silica-metal oxide hydrogel catalyst, Preparation of a. E. A. Hunter and C. N. Kimberlin, Jr. 2,472,831, June 14.
Sinker actuating mechanism for knitting machines. E. J. Berger and H. K. West. 2,473,355, June 14.
Sizing machine, Tube. L. H. Messinger. 2,473,383, June 14.
Sled, Folding. R. G. Peenstra. 2,472,920, June 14.
Slicer, Three-way vegetable. H. C. McKinney. 2,473,165, June 14.
Sliding door lock. W. H. Koeser. 2,473,285, June 14.
Slip, Lady's. E. H. Schwalbe. 2,473,393, June 14.
Slip-ring structure. H. T. Jensen. 2,473,147, June 14.
Smoking pipe cleaner. A. L. Bohm. 2,473,180, June 14.
Soap from hydrogenated vegetable oils, Production of. W. Lange and R. G. Folzenlogen. 2,473,154, June 14.
Socket, Fluorescent lamp. H. Y. Mageoch and A. J. Shaback. 2,472,977, June 14.
Solids from liquid suspensions, Separating. C. O. Hoover. 2,472,976, June 14.
Solutions of streptomycin and making same, Stable sterile aqueous. F. J. Kirchmeyer and I. R. Card. 2,473,339, June 14.
Spark advance mechanism, Automatic. W. Ostling. 2,473,170–1, June 14.
Spark plug. H. R. Webber. 2,473,317, June 14.
Sparking plug. C. M. Carington and G. W. Shoobert. 2,473,241, June 14.
Spectacle case. E. Nathan. 2,473,292, June 14.
Spray device. R. E. Meade, N. E. Taylor, and J. F. Crews. 2,473,035, June 14.
Sprayer, Aircraft. S. A. Monson. 2,473,212, June 14.
Spring group. R. B. Cottrell. 2,473,011, June 14.
Spring product and forming same. H. C. Keysor. 2,473,027 June 14.
Stabilizing evaporated milk. H. E. Ottling, L. H. Chrysler, and E. F. Almy. 2,473,493, June 14.
Stand: *See*—
Egg separator stand. Music stand.
Stapling apparatus. D. R. La Place. 2,473,253, June 14.
Starch paste, Preparing. J. P. Casey. 2,472,790, June 14.
Stop means for feed roll units. A. E. Winslow and E. Eppler. 2,472,966, June 14.
Stove, Portable outdoor cooking. A. V. Walker. 2,473,468, June 14.
Stretching device for the heel wire of ski ties. A. E. P. Kjellström. 2,472,906, June 14.
Striking the welding arc in automatic electric-arc welding machines. R. J. Schmerber. 2,472,923, June 14.
Structure for ice fishing, Collapsible. C. Scheibner. 2,473,076, June 14.
Structure for storage batteries, Filling and venting. L. E. Lighton. 2,472,852, June 14.
Support for electric conductors. A. H. and G. A. Stevens. 2,473,264, June 14.
Support for gas ranges, Utensil. E. A. Stevens. 2,473,478, June 14.
Support for phonographs, Multiple record. W. E. Rudolph. 2,472,960, June 14.
Support for phonographs, Multiple record. H. Walker. 2,472,964, June 14.
Support or garter, Hosiery. R. J. Steere. 2,473,113, June 14.
Suppository. G. Flintermann. 2,473,368, June 14.
Suppressor, Echo. C. Gillings and P. E. A. Cowley. 2,472,894, June 14.
Switch: *See*—
Condition responsive switch. Multiple switch.
Electric switch. Push-button switch.
Switch. R. S. Robbins and C. T. Cochran. 2,473,303, June 14.
Switch and sealed adjusting control, Thermostatic. V. G. Vaughan. 2,473,081, June 14.
Switch apparatus, Magnetic. H. Cooley. 2,473,468, June 14.
Switch device, Centrifugal. G. Levesque du Rostu. 2,473,343, June 14.
Switching system, Power supply. C. Chou. 2,473,194, June 14.
Syringe. R. Nalpantian. 2,473,068, June 14.
System for charging and discharging energy storage devices. H. Klemperer. 2,472,838, June 14.
System for controlling the pressure in the cabin of an aircraft or the like. W. M. Widgery. 2,473,117, June 14.
Table construction, Extension. R. Kamholtz. 2,472,903, June 14.
Table or the like, Collapsible. F. H. Shufiin. 2,472,982, June 14.
Tandem axle construction. W. F. Double and S. F. and R. Q. Armington. 2,472,813, June 14.
Target electrodes, Manufacturing. A. Rose. 2,473,220, June 14.
Telegraph system, Automatic multiplex-stage. H. D. Colman. 2,472,885, June 14.
Telegraph system with code conversion and error detection. H. V. Higgitt. 2,473,202, June 14.
Telescoping collapsible chair. F. J. Becker. 2,473,090, June 14.
Teletypewriter exchange system. K. W. Richards. 2,473,346, June 14.
Television system, Color. T. W. Chew. 2,473,276, June 14.
Tensiometer. R. S. Nelswander. 2,472,845, June 14.
Tester, Bridge-type hardness. D. F. Sklar. 2,473,179, June 14.
Tester, Knife sharpness. B. W. Vars. 2,472,994, June 14.
Tester, Shear tenderness. C. E. Kerr. 2,473,063, June 14.
Testing apparatus and control circuits therefor, Pressure. H. W. Hoffman and G. H. Helmer. 2,472,973, June 14.
Testing device for filamentary material. D. Taylor and E. R. Ward. 2,472,927, June 14.
Tethering post. M. Sullivan. 2,472,928, June 14.
Tetrahydro-1- hydroxy-2- and -3- naphthamidobensaldehydes and their acetals with lower alkanols and 1,2- and 1,3-alkanediols. E. L. Martin. 2,472,910, June 14.

Tetramethyl silicate, Preparation of. E. G. Rochow. 2,473,260, June 14.
Textiles with strong hydroxide and acrylonitrile, Treatment of cellulosic. J. W. Stallings. 2,473,308, June 14.
Therapy, Electric convulsive. W. T. Liberson. 2,473,378, June 14.
Thermocouple junction with radiation shield. A. I. Dahl. 2,472,808, June 14.
Thermometer. C. L. Wilder and H. A. Klumb. 2,472,996, June 14.
Thermosetting resins, Preparation of water-soluble. R. C. Hesselbart. 2,473,145, June 14.
3-alkylsulfonamido-pyridinium salts. M. F. Zienty. 2,473,121, June 14.
3,5-dihydroxy-4-dihydro-thiadiazine-1-dioxide and its preparation. H. A. Walter. 2,473,042, June 14.
Tilting salt bath furnace. G. H. S. Grene. 2,473,095, June 14.
Timeinterval indicator. R. W. Byerly. 2,473,487, June 14.
Timer, Electric. M. E. Bivens. 2,473,237, June 14.
Timing and control device. A. W. Gardes. 2,472,818, June 14.
Tire chain release device. M. B. Herbrick. 2,472,826–8, June 14.
Toilet seat lifter. R. B. Warner. 2,473,082, June 14.
Tongs, Paper and trash pickup. N. V. Hunt. 2,473,146, June 14.
Tool: *See*—
Box tool. Sanding and finishing tool.
Machine tool. Shaft-pulling tool.
Pneumatic drilling tool. Trepanning tool.
Tool for inserting fasteners in machine belting. B. Tebb. 2,473,228, June 14.
Tool for reaping asparagus and the like. C. Kreutzer. 2,473,152, June 14.
Tool for upsetting hollow rivets, Pneumatic. B. G. Carlson. 2,473,361, June 14.
Tooth, Reinforced plastic. S. Slavin. 2,473,396, June 14.
Torch, Gas-arc. E. F. Potter. 2,473,258, June 14.
Tow device, Ski. E. Puricelli. 2,473,300, June 14.
Toy car, Miniature animal. J. N. and S. M. O'Connor. 2,473,295–6, June 14.
Toy horse. L. M. J. Fouike. 2,472,797, June 14.
Toy machine gun. W. O. Blake. 2,473,272, June 14.
Transformer. P. Berger. 2,472,882, June 14.
Transformer. E. H. Freeman. 2,473,420, June 14.
Transmission line, Wide band high-frequency. M. W. Scheldorf. 2,473,282, June 14.
Transmission mechanism. C. J. Lucia and F. R. McFarland. 2,473,157, June 14.
Transmitter, Call. R. F. Mallina. 2,473,438, June 14.
Transplanter. G. P. Ruhl. 2,473,261, June 14.
Trap: *See*—
Automatic electric animal trap. Gas trap.
Traveling bag. C. P. Thompson. 2,473,079, June 14.
Tray, Ice. M. Siebigteroth. 2,473,178, June 14.
Tray, Soap. L. B. King. 2,473,376, June 14.
Treating a hydrocarbon mixture which is contaminated by small amounts of organic fluorine compounds. C. B. Linn. 2,472,908, June 14.
Treating sewage, Method and apparatus for. S. I. Zack. 2,473,323, June 14.
Tree, Whittle. J. Rickard. 2,473,447, June 14.
Trepanning tool. R. M. Starbuck, Jr. 2,473,077, June 14.
Triazine condensation products and making same, Water-soluble. E. Keller and R. Zweidler. 2,473,475, June 14.
Trichloroacetyl chloride, Production of. E. J. Hart and M. S. Matheson. 2,472,946, June 14.
Trisulfide of arsenic, Preparation of colloidal. F. F. Schwartz. 2,473,110, June 14.
Truck, Portable. J. Skipper, H. Marble, and E. Frisell. 2,472,980, June 14.
Truck, Quick wheel change railway car. C. J. W. Clasen. 2,473,010, June 14.
Tube: *See*—
Cathode-ray tube. Electron tube.
Tube having a fluid or solid cathode and a capacitative igniter, Discharge. N. Warmoltz. 2,473,232, June 14.
Tuner device for radio apparatus and the like, Semiautomatic. R. W. May. 2,472,979, June 14.
Tuning control system for signal seeking receivers. M. G. Nicholson, Jr. 2,472,957, June 14.
Turbine blade lashing. J. D. Conrad and W. H. Lloyd. 2,472,886, June 14.
Turning head, Multiple. L. Feraing. 2,473,367, June 14.
2-amino pyrimidines and 2-amino glyoxalines, Production of. W. F. Short and P. Oxley. 2,473,111, June 14.
Two-cycle engine. J. J. McCoy. 2,473,164, June 14.
Two-hand control. H. Mills. 2,473,167, June 14.
2,2'- (2-ethylhexanamido)diethyl di(2-ethylhexanoate). F. Johnston and W. H. Hensley. 2,472,901, June 14.
Ultra high frequency coupling. W. E. Bradley. 2,473,274, June 14.
Ultra high frequency rotatable joint. G. L. Ragan. 2,473,443, June 14.
Unit type airplane heater. F. O. Hess, L. F. Miller, and K. L. Dietrich, Jr. 2,473,372, June 14.
Unsaturated halogen-containing nitro compounds and their production. E. C. Kooijman and J. Overhoff. 2,473,341, June 14.
Utensil, Combination table. A. G. McNeill. 2,473,288, June 14.
Vacuum breaking and dump valve. D. M. Anderson. 2,472,933, June 14.
Vacuum cleaner. C. Miller. 2,473,066, June 14.
Valve: *See*—
Vacuum breaking and dump valve.
Valve. J. P. Strange and W. P. Yant. 2,473,078, June 14.
Valve actuating mechanism. C. R. Crane, II, and A. Mueller. 2,473,013, June 14.
Valve and coupling, Combined. A. T. Scheiwer. 2,473,223, June 14.
Valve assembly, Radiator. A. G. Joos. 2,473,148, June 14.
Valve construction. R. Lewton. 2,472,840, June 14.
Valve construction. S. A. Ochs. 2,472,841, June 14.
Valve means, Electrically controlled. E. A. Bockwell. 2,473,038, June 14.
Variable resistance unit. A. O. Beckman. 2,473,048, June 14.
Vehicle spring preloading device. C. R. Kilmer. 2,473,338, June 14.
Vending machine, Bottle. J. R. Donaldson and N. M. Hulse. 2,473,054, June 14.
Venetian blind bracket. H. Nelson. 2,473,293, June 14.
Venetian blind structure. H. Nelson. 2,473,294, June 14.
Ventilating and heating apparatus for vehicles. H. J. Findley. 2,473,281, June 14.
Vibrator mechanism, High-frequency. R. J. Aust. 2,473,353, June 14.
Vine cutter. L. and C. A. Rogers. 2,473,450, June 14.
Vinyl chloride resins plasticized with diester-amides. F. Johnston and W. H. Hensley. 2,472,900, June 14.
Voltage multiplying circuit. S. Darlington. 2,473,414, June 14.
Vortical current separator. B. S. Hughes. 2,473,488, June 14.
Wattmeter, Microwave. H. E. Webber. 2,473,495, June 14.
Waving hair, Method of and apparatus for. A. E. Bronson and L. S. Speth. 2,473,135, June 14.
Waxing and polishing device, Floor. J. Gordon. 2,472,895, June 14.
Wedge, Optical light. T. W. Sukumlyn. 2,472,991, June 14.
Weeder. R. W. Doeg. 2,472,941, June 14.
Welding apparatus. F. C. Beyer and C. E. Jackson. 2,472,803, June 14.
Winding arrangement in alternating current machines. S. Gynt. 2,473,144, June 14.
Window construction. E. Peremi and H. Weimann. 2,473,298, June 14.
Wire stringing device, Paper machine. L. Hornbostel. 2,473,100, June 14.
Wire supporting device. J. B. Cook and L. L. Jugle. 2,473,363, June 14.
Wire system, Ground. W. R. Koch. 2,473,377, June 14.
Xylyl trichlorothiolacetate. A. T. Hallowell. 2,472,897, June 14.

CLASSIFICATION OF PATENTS

ISSUED JUNE 14, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 49: 2,473,253
49.4: 2,473,228
2— 19: 2,473,025
39.92: 2,472,974
42: 2,472,940
43: 2,472,982
73: 2,473,383
278: 2,472,956
312: 2,473,113
4— 261: 2,473,082
5— 9: 2,473,364
8—116.2: 2,473,306
137: 2,472,877
9— 25: 2,473,440
12— 1: 2,472,816
2,473,229
128.2: 2,473,176
128.4: 2,473,207
129.1: 2,473,490
146: 2,473,024
13— 23: 2,473,095
34: 2,473,311
14— 71: 2,473,126
2,473,128
15—104.30: 2,473,452
16— 85: 2,473,359
17— 36: 2,472,800
42.1: 2,473,191
18— 1: 2,473,404
8: 2,473,842
12: 2,473,230
49: 2,473,264
19—130: 2,472,929
20— 4: 2,473,017
2,473,018
19: 2,473,125
38: 2,472,930
21— 68: 2,473,490
117: 2,472,992
22—57.2: 2,473,221
92: 2,473,306
111: 2,473,101
112: 2,473,140
2,472,160
123: 2,473,481
2,473,482
2,473,483
24— 73: 2,473,209
2,473,400
74: 2,473,225
97: 2,472,948
185: 2,473,071
187: 2,473,044
243: 2,473,065
25—116: 2,473,476
28— 15: 2,473,396
43: 2,473,289
29— 49: 2,473,138
87: 2,473,367
155.55: 2,473,371
263: 2,473,200
30— 43: 2,472,843
70: 2,472,807
147: 2,473,268
276: 2,472,972
31— 20: 2,473,057
85: 2,473,379
32— 9: 2,473,396
33— 42: 2,473,189
62: 2,473,487
147: 2,473,873
34— 99: 2,472,873
35— 12: 2,472,886
17: 2,472,819
36— 1: 2,473,099
8.5: 2,472,967
37— 142: 2,472,892
38— 28: 2,472,891
104: 2,473,107
42— 25: 2,472,372
43—42.26: 2,473,142
42.47: 2,473,224
52: 2,473,089
99: 2,472,805
147: 2,473,212

44— 52: 2,473,439
72: 2,473,455
45— 28: 2,473,378
47— 60: P1,P1,947
48— 193: 2,473,150
49— 81: 2,473,220
51— 48: 2,473,313
50: 2,472,902
2,472,975
59: 2,472,922
187: 2,472,880
54— 64: 2,473,450
55— 48: 2,473,315
329: 2,473,327
391: 2,472,953
56— 83: 2,473,966
57— 127: 2,473,291
60— 13: 2,472,934
35.55: 2,472,839
41: 2,473,356
49: 2,472,846
54: 2,473,137
54.5: 2,473,168
2,473,282
61— 50: 2,472,899
62— 19: 2,473,109
30.6: 2,473,122
100: 2,473,322
108.5: 2,473,178
119: 2,473,384
2,473,385
2,473,389
140: 2,472,792
63— 15: 2,472,893
64— 21: 2,473,036
25: 2,473,343
30: 2,472,925
65— 15: 2,472,926
66—110: 2,473,355
67— 7.1: 2,472,822
2,472,825
70— 96: 2,473,265
411: 2,473,273
72— 40: 2,472,973
83: 2,473,179
97: 2,472,927
101: 2,473,053
104: 2,472,904
143: 2,472,843
374: 2,472,996
74— 6: 2,473,250
88: 2,472,919
Re.23,123
242.1: 2,472,880
480: 2,473,167
568: 2,473,417
574: 2,473,335
681: 2,473,157
750: 2,472,788
75— 28: 2,473,019
2,473,021
88: 2,472,304
140: 2,473,090
148: 2,473,059
159: 2,473,028
176: 2,473,020
77— 32: 2,472,967
2,472,968
79— 3: 2,473,116
81— 3.43: 2,473,425
82— 2.5: 2,473,306
9: 2,473,106
31: 2,473,093
35: 2,473,416
84— 267: 2,473,442
377: 2,473,210
464: 2,473,190
471: 2,473,222
86— 1: 2,472,991
2.3: 2,472,809
18.7: 2,473,074
34: 2,473,907
2,472,931
28.9: 2,473,301
74: 2,473,231

89— 1.7: 2,472,804
35: 2,472,817
2,472,661
40: 2,473,114
43: 2,473,211
90— 8: 2,473,253
91— 14: 2,472,955
2,473,451
40: 2,472,895
50: 2,473,243
60: 2,473,407
92— 21: 2,473,190
43: 2,473,269
2,473,270
44: 2,473,099
2,473,100
93— 52: 2,472,883
83: 2,473,383
95— 2: 2,473,131
6: 2,473,156
12.5: 2,472,823
14: 2,473,174
2,473,280
81: 2,473,023
96— 1.5: 2,473,117
7: 2,473,066
114: 2,473,053
99— 50.5: 2,473,395
55: 2,473,493
103: 2,472,794
204: 2,473,164
253: 2,472,041
370: 2,472,970
383: 2,472,402
101— 132: 2,473,070
102— 7: 2,472,966
22: 2,472,997
28: 2,473,405
79: 2,472,821
103— 2: 2,473,412
5: 2,472,802
111: 2,473,061
115: 2,473,185
128: 2,473,234
136: 2,473,309
161: 2,473,271
162: 2,473,336
228: 2,472,867
104— 202: 2,473,300
105— 197: 2,473,012
197.2: 2,473,010
106— 168: 2,473,473
110— 90: 2,472,934
111— 2: 2,473,261
112— 114: 2,473,182
127: 2,472,862
114— 66: 2,473,039
119— 33: 2,472,909
121: 2,472,926
120— 17: 2,473,149
121— 9: 2,473,430
26: 2,473,433
41: 2,473,038
123— 48: 2,473,204
51: 2,473,208
63: 2,473,164
78: 2,473,928
117: 2,473,171
169: 2,473,241
2,473,317
124— 27: 2,473,272
125— 21: 2,473,104
126— 25: 2,473,455
42: 2,472,793
110: 2,473,372
214: 2,473,478
229: 2,472,435
288: 2,473,182
340: 2,473,427
127— 68: 2,472,971
128— 1: 2,473,033
20: 2,473,206
29: 2,473,416
96: 2,473,136
142: 2,473,078

128— 156: 2,473,092
227: 2,473,068
271: 2,473,368
421: 2,473,378
129— 13: 2,472,969
20: 2,473,333
23: 2,472,898
131— 246: 2,473,480
132— 7: 2,473,135
38: 2,473,198
41: 2,473,115
50: 2,473,196
83: 2,472,874
85: 2,473,227
134— 3: 2,472,786
136— 4: 2,472,808
177: 2,472,852
69: 2,473,045
137— 139: 2,473,013
152: 2,472,787
158: 2,472,896
138— 27: 2,473,415
43: 2,472,949
139— 13: 2,473,172
144— 208: 2,473,461
145— 120: 2,473,077
146— 2: 2,473,411
78: 2,473,165
106: 2,472,876
148— 6.14: 2,472,456
6.16: 2,472,864
9: 2,472,951
12.5: 2,473,164
26: 2,473,064
150— 30: 2,473,489
38: 2,473,056
40: 2,473,428
152— 213: 2,472,826
2,472,827
2,472,828
222: 2,473,249
154— 9: 2,473,067
45.9: 2,472,963
155— 106: 2,472,854
2,472,855
125: 2,473,037
139: 2,473,090
179: 2,473,365
182: 2,473,312
158— 27.4: 2,473,465
76: 2,473,347
79: 2,473,122
160— 23: 2,473,088
177: 2,473,294
268: 2,473,305
161— 1: 2,472,818
164— 89: 2,472,863
113: 2,473,437
126: 2,473,073
167— 55: 2,473,339
169— 1: 2,473,349
170—135.22: 2,473,299
135.26: 2,473,331
135.4: 2,472,917
160.32: 2,472,836
160.5: 2,473,134
171— 92: 2,472,785
2,473,495
97: 2,472,194
228: 2,473,237
252: 2,473,144
2,473,302
2,473,485
321: 2,473,248
172— 36: 2,473,106
126: 2,473,049
285: 2,473,259
286: 2,473,150
173— 328: 2,472,986
328: 2,472,977
2,473,321
174— 83: 2,473,332
157: 2,473,264
175— 41: 2,473,240
2,473,242

175— 183: 2,472,784
2,472,814
2,473,420
204: 2,473,344
208: 2,473,034
366: 2,472,938
2,473,419
176— 16: 2,473,479
126: 2,473,413
177— 311: 2,473,214
329: 2,473,187
2,473,394
339: 2,473,436
362: 2,473,469
380: 2,473,438
386: 2,473,354
178— 2: 2,473,346
4: 2,472,885
5.4: 2,473,276
5.6: 2,472,899
26: 2,473,202
44: 2,472,788
2,472,804
2,473,262
2,473,274
2,473,310
2,473,328
2,473,445
179— 147: 2,473,106
150: 2,473,173
171: 2,473,031
2,473,265
180— 79.4: 2,473,376
82: 2,472,915
181— 49: 2,473,103
182— 6: 2,473,279
183— 37: 2,473,096
44: 2,473,090
80: 2,472,995
Re.23,122
184— 28: 2,473,127
187— 1: 2,472,943
12: 2,473,360
75: 2,473,360
100: 2,472,840
2,472,841
223.1: 2,473,001
2,473,002
2,473,315
264: 2,473,040
189— 34: 2,473,210
36: 2,472,961
8: 2,473,079
190— 50: 2,472,859
191— 12: 2,472,860
192— .07: 2,472,789
8: 2,473,177
93: 2,472,788
134: 2,473,219
142: 2,472,979
195— 29: 2,473,255
66: 2,472,790
196— 8: 2,472,810
30: 2,473,431
32: 2,473,195
50: 2,472,844
2,473,370
78: 2,473,206
198— 168: 2,472,805
220: 2,473,193
232: 2,472,914
200— 6: 2,473,263
12: 2,473,256
16: 2,473,287
2,473,308
31: 2,473,179
52: 2,473,498
76: 2,473,088
88: 2,473,196
138: 2,473,075
139: 2,473,061
152: 2,473,094
168: 2,472,961
2,473,252

201— 56: 2,473,246
2,473,409
76: 2,472,901
2,472,980
202— 57: 2,473,003
2,473,303
204— 33: 2,473,163
163: 2,473,161
2,473,168
212: 2,473,290
297: 2,472,796
205— 5: 2,473,292
42: 2,472,871
209— 45: 2,473,215
211: 2,473,488
210— 8: 2,473,323
42.5: 2,472,912
2,472,976
55: 2,473,297
151: 2,473,067
162: 2,473,955
164: 2,473,153
168: 2,473,032
211— 49: 2,472,993
99: 2,473,099
177: 2,473,247
214— 1: 2,473,552
66: 2,473,410
215— 25: 2,472,980
216— 39: 2,473,275
217— 36: 2,472,989
218— 19: 2,473,361
219— 8: 2,473,245
6: 2,472,849
8: 2,473,803
10: 2,472,848
15: 2,473,258
19: 2,473,236
30: 2,473,325
46: 2,473,183
47: 2,472,820
2,473,143
2,473,251
222— 38: 2,473,402
185: 2,473,474
223— 91: 2,473,201
96: 2,473,406
103: 2,472,990
224— 7: 2,473,348
28: 2,473,296
45: 2,473,429
225— 21: 2,472,921
229— 7: 2,473,301
17: 2,473,492
27: 2,472,965
37: 2,473,035
230— 114: 2,473,329
235— 61: 2,473,444
2,473,466
63: 2,473,471
138: 2,473,422
236— 1: 2,472,795
12: 2,473,097
237— 2: 2,473,281
238— 327: 2,473,345
240—46.50: 2,472,850
242— 55: 2,422,983
70: 2,473,337
124: 2,473,155
142: 2,473,072
243— 36: 2,472,857
244— 13: 2,472,856
79: 2,472,918
102: 2,473,303
110: 2,473,397
118: 2,472,947
134: 2,473,147
2,473,387
155: 2,473,213
245— 50: 2,472,858
161: 2,473,218
191: 2,473,351
205: 2,473,051
264: 2,473,293
308: 2,473,086

250— 17: 2,473,060
27: 2,473,123
2,473,432
2,473,457
27.5: 2,472,865
2,472,942
2,473,232
2,473,358
2,473,477
33: 2,472,904
2,473,141
2,473,377
33.63: 2,473,446
33.65: 2,472,824
2,473,421
2,473,454
36: 2,473,188
2,473,208
2,473,448
40: 2,472,957
41.9: 2,472,870
83.3: 2,473,197
184: 2,472,986
2,473,320
205: 2,472,815
214: 2,472,945
238: 2,472,879
251— 30: 2,473,148
252— 8.5: 2,473,392
313: 2,473,110
451: 2,472,830
2,472,831
2,472,832
2,472,833
2,472,834
253— 16.5: 2,472,878
77: 2,472,886
254— 35: 2,473,109
255— 22: 2,472,909
257— 2: 2,472,964
2,472,998
3: 2,473,496
266: 2,472,987
260— 7: 2,473,145
17.4: 2,473,080
19: 2,473,319
31.6: 2,472,900
38: 2,473,326
41.5: 2,473,016
67.6: 2,473,847
2,473,463
78.5: 2,473,460
82.7: 2,473,390
85.5: 2,472,811
87.3: 2,473,403
91.3: 2,473,124
92.5: 2,473,006
145: 2,472,965
243: 2,473,042
249.5: 2,473,475
251: 2,473,111
256: 2,472,881
282: 2,473,015
296: 2,473,121
338: 2,472,910
2,472,911
2,473,913
344.6: 2,473,484
409: 2,473,154
412.1: 2,473,453
260— 431: 2,473,434
445.5: 2,472,799
2,473,260
449.6: 2,473,129
450: 2,472,837
455: 2,472,897
465.9: 2,473,486
480: 2,472,812
488: 2,473,406
490: 2,472,901
501: 2,473,112
544: 2,472,946
618: 2,473,014
619: 2,472,868
639: 2,473,224
644: 2,473,341
666: 2,473,472
683.4: 2,472,908
263— 42: 2,473,381
81: 2,473,427
264— 1: 2,472,829
20: 2,473,449
265— 47: 2,473,083
56.5: 2,473,084
266— 4: 2,473,445
23: 2,472,948
267— 2: 2,473,338
9: 2,473,011
61: 2,473,027
271— 2.3: 2,473,382
86: 2,472,890
273— 77: 2,472,978
87: 2,473,277
129: 2,473,087
2,473,091
273— 131: 2,472,916
136: 2,472,984
160.2: 2,473,360
274— 10: 2,472,980
2,472,984
38: 2,473,374
276— 41: 2,473,214
277— 45: 2,473,043
50: 2,472,933
278— 102: 2,473,447
279— 1: 2,473,133
46: 2,473,380
280— 1.15: 2,473,295
1.19: 2,472,797
6: 2,472,944
11.35: 2,472,906
11.37: 2,473,158
12: 2,473,296
20: 2,472,920
83.44: 2,472,905
2,473,357
35: 2,472,952
39: 2,473,350
46: 2,472,989
104.5: 2,472,813
143: 2,473,340
283— 36: 2,473,352
284— 18: 2,473,223
285— 72: 2,473,441
86: 2,473,092
87: 2,473,118
120: 2,473,120
122: 2,472,872
2,473,119
129: 2,473,459
285— 169: Re.23,120
172: 2,473,263
194: 2,473,046
2,473,102
286— 17: 2,473,139
287— 54: 2,473,217
81: 2,473,363
119: 2,473,388
290— 17: 2,472,924
292— 18: 2,473,181
37: 2,473,065
76: 2,473,298
150: 2,473,052
169: 2,473,080
171: 2,472,791
341.17: 2,473,205
294— 20: 2,473,009
21: 2,473,008
50.5: 2,472,941
80.8: 2,473,152
67: 2,472,843
104: 2,473,146
295— 1: 2,473,076
297— 1: 2,473,278
299— 63: 2,473,035
304— 5: 2,473,342
29: 2,472,887
306— 30: 2,473,000
308— 3.5: 2,473,470
74: 2,473,096
236: 2,473,267
244: 2,473,307
309— 4: 2,473,064
9: 2,473,254
311— 52: 2,472,903
311— 84: 2,472,962
90: 2,473,022
312— 48: 2,473,084
86: 2,472,835
153: 2,473,239
315— 14: 2,473,330
39: 2,473,399
97: 2,473,151
111: 2,472,923
194: 2,473,237
251: 2,473,238
323: 2,473,159
347: 2,472,851
318— 2: 2,473,285
9: 2,473,286
28: Re.23,121
2,473,334
2,473,401
29: 2,473,464
30: 2,473,423
2,473,424
207: 2,473,244
2,473,494
210: 2,472,989
320— 1: 2,472,838
2,473,414
321— 2: 2,473,353
11: 2,473,386
323— 44: 2,473,420
48: 2,472,882
332— 22: 2,473,318
43: 2,472,980
343— 7: 2,473,175
18: 2,472,782
120: 2,473,491

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,472,794:	99—103	2,472,876:	146—106	2,472,974:	2—39	2,473,124:	260—91.3	2,473,238:	315—251	2,473,353:	321—2
2,472,795:	236—1	2,472,879:	250—238	2,472,980:	332—43	2,473,128:	14—71	2,473,259:	172—285	2,473,370:	196—50
2,472,802:	108—5	2,472,880:	74—242.1	2,472,985:	229—27	2,473,134:	170—160.5	2,473,261:	111—2	2,473,388:	287—119
2,472,811:	260—85.5	2,472,882:	323—48	2,473,002:	188—223.1	2,473,135:	132—7	2,473,277:	273—87	2,473,390:	260—82.7
2,472,815:	250—205	2,473,887:	304—29	2,473,005:	260—92.8	2,473,142:	43—42.26	2,473,290:	204—212	2,473,399:	315—39
2,472,820:	219—47	2,472,890:	271—86	2,473,029:	211—99	2,473,143:	219—47	2,473,295:	280—1.16	2,473,402:	99—353
2,472,823:	95—12.6	2,472,891:	38—28	2,473,031:	179—171	2,473,145:	260—7	2,473,296:	280—12	2,473,415:	138—37
2,472,830:	252—451	2,473,893:	63—15	2,473,037:	155—125	2,473,151:	315—97	2,473,299:	170—135.22	2,473,422:	235—138
2,472,831:	252—451	2,472,900:	260—31.6	2,473,045:	137—69	2,473,153:	210—164	2,473,301:	88—28.9	2,473,431:	196—30
2,472,832:	252—451	2,472,910:	273—131	2,473,059:	75—148	2,473,154:	260—409	2,473,330:	315—14	2,473,433:	121—26
2,472,833:	252—451	2,472,923:	315—111	2,473,079:	190—8	2,473,160:	22—112	2,473,337:	242—70	2,473,439:	44—52
2,472,834:	252—451	2,472,924:	290—17	2,473,096:	308—74	2,473,163:	204—33	2,473,339:	167—65	2,473,442:	84—267
2,472,847:	260—67.6	2,472,927:	73—97	2,473,097:	236—12	2,473,186:	132—50	2,473,343:	84—25	2,473,450:	55—64
2,472,858:	248—50	2,472,934:	60—13	2,473,107:	38—104	2,473,195:	196—32	2,473,344:	175—294	2,473,464:	318—29
2,472,869:	61—50	2,472,944:	280—6	2,473,114:	89—40	2,473,212:	43—147	2,473,347:	158—76	2,473,470:	308—3.5
2,472,873:	33—147	2,472,945:	250—214	2,473,121:	260—296	2,473,237:	315—194	2,473,348:	224—7	2,473,474:	222—185

Classification of Designs

D 2— 3: Des. 154,114
Des. 154,191
D 3—12: Des. 154,118
19: Des. 154,140
D10— 9: Des. 154,132
D14— 3: Des. 154,137
Des. 154,192
D17— 8: Des. 154,144
D18— 2: Des. 154,146
Des. 154,147
Des. 154,148
Des. 154,149
Des. 154,150
Des. 154,151
Des. 154,152
Des. 154,153
Des. 154,154
Des. 154,155
D18— 2: Des. 154,156
Des. 154,157
Des. 154,158
Des. 154,159
Des. 154,160
Des. 154,161
Des. 154,162
Des. 154,163
Des. 154,164
Des. 154,165
Des. 154,166
Des. 154,167
Des. 154,168
Des. 154,169
Des. 154,170
Des. 154,171
Des. 154,172
Des. 154,173
D18— 2: Des. 154,174
Des. 154,175
Des. 154,176
Des. 154,177
Des. 154,178
Des. 154,179
Des. 154,180
Des. 154,181
Des. 154,182
Des. 154,183
Des. 154,184
Des. 154,185
D22— 2: Des. 154,107
D31— 4: Des. 154,098
Des. 154,109
Des. 154,130
Des. 154,141
D34— 2: Des. 154,129
D34— 3: Des. 154,103
Des. 154,104
Des. 154,105
11: Des. 154,127
D35— 3: Des. 154,136
D40— 1: Des. 154,108
D44—29: Des. 154,134
D45— 4: Des. 154,121
Des. 154,142
19: Des. 154,095
Des. 154,096
D47— 6: Des. 154,190
D48—20: Des. 154,097
Des. 154,099
Des. 154,110
Des. 154,128
Des. 154,145
27: Des. 154,090
D52— 1: Des. 154,135
2: Des. 154,115
D54— 2: Des. 154,101
12: Des. 154,091
Des. 154,117
D56— 4: Des. 154,143
D57— 1: Des. 154,102
Des. 154,133
D61— 1: Des. 154,093
D66— 1: Des. 154,120
Des. 154,139
D67— 3: Des. 154,186
Des. 154,187
Des. 154,188
D80— 5: Des. 154,116
9: Des. 154,094
Des. 154,111
D81—25: Des. 154,112
D81—25: Des. 154,113
D86— 8: Des. 154,126
10: Des. 154,106
D87— 3: Des. 154,119
Des. 154,131
6: Des. 154,092
D92—26: Des. 154,100
Des. 154,122
Des. 154,123
Des. 154,124
Des. 154,125
Des. 154,138
Des. 154,193
D93— 4: Des. 154,189

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Contents

	Page
Issue of June 21, 1949	636
Patents Expiring	636
Applications Under Examination	637
Patent Suits	639
Trade-Mark Suits	640
Notices	
Disclaimers	640
Notice Regarding Payment of Fees	640
Use of Patented Drawing in a Reissue	640
Amendment Filed by an Attorney Not of Record	640
Printed Copies of Patents	640
Applicant's Address	641
Amendments to Amendments	641
Notice—Attorney's Address	641
Trade-Mark Drawings	641
Communications to the Patent Office	641
Register of Patents Available for Licensing or Sale	642
Trade-Marks	
Published (323 Applications)	645
Registrations Granted	685
Registrations Renewed	706
Registrations Amended, Surrendered, Disclaimed, Corrected, etc.	710
Registrations—New Certificates	710
Registrations Republished (325 Registrations)	710
Reissues	749
Patents Granted	751
Designs	935

June 21, 1949

Trade-Marks	67	No. 442,905	to No. 442,971,	inclusive
T. M. (Act of 1946)	420	No. 511,113	to No. 511,532,	inclusive
T. M. Renewals	81			
Reissues	5	No. 23,124	to No. 23,128,	inclusive
Patents	709	No. 2,473,497	to No. 2,474,205,	inclusive
Designs	32	No. 154,194	to No. 154,225,	inclusive
Total	1,314			

Patents expiring: Patent Numbers 1,863,554 to 1,864,511, inclusive, issued June 21, 1932, expire June 21, 1949

Condition of Applications Under Examination at Close of Business May 31, 1949

Total number of patent applications awaiting action, 147,016. Date of oldest new application, June 25, 1947; date of oldest amended application, Dec. 5, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	4-20-48	7-28-47	2686
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	3-9-48	5-7-47	2694
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	11-3-48	11-3-48	910
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Mining, Quarrying, and Ice Harvesting.	12-5-47	7-10-47	3286
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	6-11-48	9-26-47	1428
6. SURLE, H., Carbon Chemistry (part)	7-10-48	6-14-48	1888
7. HANLIN, GEORGE, Optics; Photographic Apparatus	8-30-48	6-14-48	1432
8. LEWIS, E. C., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	8-6-47	6-4-47	4026
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	3-10-48	7-10-47	2055
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	8-13-48	6-10-48	1895
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	6-14-48	10-6-47	1906
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	8-3-48	8-16-47	1900
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	8-15-47	9-10-47	2079
14. BLUM, A., (Acting), Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	8-30-48	8-13-48	1236
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	9-8-48	1-6-48	1702
16. LOVEWELL, N. N., Television; Telephony	9-7-48	2-4-48	1530
17. LEIGHEY, R. A., (acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	12-9-47	1-4-47	2304
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	4-24-48	10-7-47	2410
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	9-4-48	1-20-48	1664
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	4-1-48	8-28-47	1978
21. MADER, R. C., Textiles	4-10-48	8-16-48	1348
22. MARLAND, M. L., (Acting), Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	3-26-48	9-5-47	1488
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	6-10-48	7-15-47	1112
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	6-1-48	5-8-48	2312
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	6-28-48	12-9-47	1628
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	8-20-48	1-20-48	1055
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	1-2-48	7-9-47	3206
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horse-power Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	4-20-48	7-14-47	1797
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	9-18-47	10-6-47	3196
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating; Heating Systems; Heat Exchange (part); Illuminating Burners.	12-1-48	12-2-48	607
31. BOETTCHER, A. M., (Acting), Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	10-6-48	10-6-48	1950
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	12-13-47	9-15-47	1315
33. ROE, W. R., (Acting), Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	9-9-47	9-5-47	3004
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	6-4-48	2-14-48	1266
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	2-26-48	3-5-47	3006
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	5-7-47	6-5-47	1996
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	8-7-48	2-12-48	1308
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	6-16-48	4-23-48	1674
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	8-17-48	8-17-47	3038
40. DRUMMOND, E. J., Receptacles (part); Packages	8-2-48	9-8-47	2208
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	7-1-48	4-16-47	2216
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	10-21-48	10-15-48	932
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	8-31-48	8-26-48	1150
44. HARVEY, L. P., Refrigeration	2-9-48	7-11-47	930
45. DOUGLAS, R. A., (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles, Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	6-1-48	9-15-47	2482
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	3-16-48	6-7-47	1890

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 147,016. Date of oldest new application, June 25, 1947; date of oldest amended application, Dec. 5, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	8-31-48	3-15-48	1973
48. BERSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	9-1-48	11-24-47	1469
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring	1-14-48	9-4-47	2961
50. LEVIN, SAMUEL, Synthetic Resins	10-16-48	7-2-48	1998
51. FRIEDMAN, M. H., Radiant Energy (part. e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications	9-4-48	7-1-48	1455
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits	5-26-48	8-9-47	3664
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus	4-26-48	8-12-47	2134
54. DOUGLAS, G. R., (Acting), Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits, Ray Energy Applications	9-14-48	9-26-47	1870
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	9-1-48	2-13-48	1600
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	5-26-48	9-1-48	1996
57. MILLER, A. B., Cutting and Punching; Bolt, Nut Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	3-15-48	5-3-47	3367
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements	6-25-47	10-21-47	1722
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	6-3-48	2-25-48	1477
60. BAXTER, H. M., (Acting), Electricity—Heating; Welding, Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants	5-28-48	5-7-48	1114
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion	7-9-47	2-18-47	3656
62. LOWE, D. B., (Acting), Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	5-26-48	4-30-46	1529
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	5-6-48	12-17-47	2150
64. NASH, P. M., Compositions—Coating or Plastic (part): Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous	11-1-48	11-3-48	1806
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	8-26-48	3-6-48	2299
66. LISANN, L., Geometrical Instruments	11-26-47	15-5-46	1961
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	9-3-48	1-2-48	1884
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	9-28-48	7-6-48	1447
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders	6-25-48	9-7-47	2207
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts)	6-26-48	2-19-48	984
DESIGNS: BEEHM, G. L.	9-23-47	12-6-48	6822

Total number of trade-mark applications awaiting action (including renewals and republications), 29,856. Date of oldest new application, Mar. 2, 1948; date of oldest amended application, May 26, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	4-19-48	10-1-48	4302
2. KASCHUB, H. E., Classes 2, 36, 46	3-2-48	9-14-48	5184
3. SUMMERS, G. S., Classes 21, 28, 76	3-16-48	11-23-48	4345
4. BARR, E., Classes 2, 7, 26, 40, 41, 42, 43	3-15-48	9-29-48	4289
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	4-16-48	8-18-48	3737
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 29, 30, 34, 35	5-5-48	7-24-48	3716
7. KEYS, C. M., Classes 16, 19, 55	4-10-48	5-26-48	2053
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	4-13-49	4-23-49	143
	11-1-48	3-25-49	2188

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,811,980, 2,051,348, F. H. Smith, Drying house, C. C. A., 4th Cir., Doc. 5840, *Smith's Heating, Inc.* v. *General Foundry Machine Co., Inc., et al.* Judgment of district court affirmed May 6, 1949.

1,863,785, F. A. Dickinson, Syringe; 2,084,540, H. T. Smith, Carton for glass syringe, filed May 20, 1949, D. C., E. D. N. Y., Doc. C-9977, *Becton Dickinson & Co.* v. *Prosper Mfg. Co., Inc.*

1,888,234, E. J. Miller, Method of and apparatus for applying wall finishes; 1,960,276, same, Apparatus for applying wall finishes, appeal filed May 3, 1949, C. C. A., 8th Cir., Doc. 13957, *Perma-Stone Co.* v. *Dur-O-Stone Corp. et al.*

1,889,499, Rorrer & Mitterer, Apparatus and method for refrigeration; 1,987,796, 2,011,731, same, Refrigerating showcase; Re. 21,264, same, Showcase, filed May 17, 1949, D. C., S. D. Calif., C. Div., Doc. 9695-Y, *Stadium Stores, Inc.* v. *Perfecold, Inc., et al.*

1,903,659, R. J. Smith, Machine and method for applying fastener elements; 2,026,413, Binns & Dehart, Method and machine for making flexible closure; 2,078,016, N. J. Poux, Method of forming interlocking members for separable fasteners; 2,078,017, 2,169,176, same, Method of making separable fasteners, D. C., S. D. N. Y., Doc. 41/431, *Talon, Inc.* v. *Corney Fasteners, Inc.* Consent decree and judgment favor plaintiff, adjudging infringement Mar. 21, 1949.

1,924,897, D. H. Zell, Container, filed May 19, 1949, D. C., S. D. N. Y., Doc. 50/280, *Zell Products Corp. et al.* v. *Lavender Line, Inc., et al.*

1,960,276. (See 1,888,234.) 1,987,796. (See 1,889,499.)

2,011,731. (See 1,889,499.) 2,012,857. (See 2,118,011.)

2,026,413. (See 1,903,659.) 2,051,348. (See 1,811,980.)

2,066,346, W. Greig, Manifold record supply packet; 2,120,161, H. Stevens, Unitary manifolding assembly, filed May 12, 1949, D. C., S. D. N. Y., Doc. 50/198, *Moore Business Forms, Inc.* v. *A. J. Garvin Press, Inc.*

2,078,016. (See 1,903,659.) 2,078,017. (See 1,903,659.)

2,084,540. (See 1,863,785.)

2,105,041, M. T. Kafka, Book cover; 2,304,385, M. Sussman, Book protector, D. C., S. D. N. Y., Doc. 34/17, *Library Service* v. *Walden Book Co., Inc., et al.* Stipulation of discontinuance Jan. 11, 1949.

2,110,556. (See 2,118,011.)

2,118,011, P. Zalkind, Container; 2,233,906, same, Container and parts therefor; 2,245,026, same, Interlocking for containers; 2,012,857, Scheinman & Mandel, Reinforced drawer construction; 2,110,556, same, Reinforced collapsible file casing; 2,277,155, S. Scheinman, Stacking device for storage files, D. C., S. D. N. Y., Doc. 14/437, *P. Zalkind* v. *Pronto File Corp. et al.* Complaint, counterclaim dismissed Mar. 8, 1948.

2,120,161. (See 2,066,346.)

2,120,923, H. E. Rottner, Boat detaching apparatus; 2,328,437, W. E. Elling, Lifeboat; 2,233,256, same, Lifeboat construction, filed May 19, 1949, D. C. N. J. (Trenton), Doc. 396/49, *Continental Copper & Steel Industries, Inc.* v. *Marine Safety Equipment Corp. et al.*

2,169,176. (See 1,903,659.)

2,229,588, H. H. Parker, Stock restraining device, filed May 18, 1949, D. C., S. D. Fla. (Tampa), Doc. 1748-T. *H. H. Parker et al.* v. *J. M. Doss.* Doc. 1749-T, *H. H. Parker et al.* v. *B. Davis.* Doc. 1750-T, *H. H. Parker et al.* v. *J. Warner.*

2,233,254. (See 2,120,923.) 2,233,906. (See 2,118,011.)

2,245,026. (See 2,118,011.) 2,277,155. (See 2,118,011.)

2,280,479, A. Cohen, Garment; Des. 148,217, A. Dunner, Shirt, filed May 11, 1949, D. C., S. D. N. Y., Doc. 50/175, *Dunner of N. Y., Inc.* v. *David D. Doniger & Co., Inc.*

2,304,385. (See 2,105,041.)

2,324,526, M. R. Morgenthaler, Process for the manufacture of soluble dry extracts, D. C., S. D. N. Y., Doc. 37/461, *Inredoco, Inc.* v. *Sol Cafa Mfg. Corp.* Stipulation of discontinuance Mar. 31, 1949. Doc. 37/463, *Inredoco, Inc.* v. *General Foods Corp.* Stipulation of discontinuance May 3, 1949.

2,328,437. (See 2,120,923.)

2,388,772, R. Thompson, Tamper for cigarette machine feeders, C. C. A., 4th Cir., Doc. 5821, *R. Thompson et al.* v. *The American Tobacco Co.* Judgment of district court affirmed May 10, 1949.

2,411,462, H. M. Plehn, Brassière and method of making same, filed May 16, 1949, D. C., S. D. N. Y., Doc. 50/223, *Peter Pan Foundations, Inc.* v. *Fleecee, Inc.*

2,412,704, J. C. Jacques, Portable saw, D. C., E. D. Tex. (Sherman), Doc. 408, *Jacques Power Saw Co. et al.* v. *Combination Saw & Tractor Co. et al.* Complaint, and counterclaims dismissed May 16, 1949.

2,441,091, Van der Vliet & Stevens, Method of preparing a 7-dehydrosterol, filed May 18, 1949, D. C. N. J. (Newark), Doc. 366/49, *Hartford National Bank & Trust Co. et al.* v. *National Oil Products Co.*

2,450,631, E. Buchler, Garment, filed May 18, 1949, D. C., W. D. Mo. (Kansas City), Doc. 6712, *Arkay Infants Wear, Inc.* v. *Kline's, Inc., et al.*

2,467,909, M. D. Bechler, Folding chair, filed May 6, 1949, D. C., S. D. N. Y., Doc. 50/151, *Resort Metal Industries, Inc.* v. *W. & J. Sloane.*

Re. 21,264. (See 1,889,499.)

Des. 116,929, T. Friedman, Mounting for a reading glass, D. C., S. D. N. Y., Doc. 36/633, *American Strainer Corp.* v. *Pyro Plastic Industries, Ltd. of N. Y. et al.* Stipulation and order of discontinuance Dec. 15, 1948.

Des. 147,961, D. M. Desiderio, Balancing toy, filed May 11, 1949, D. C., S. D. N. Y., Doc. 50/165, *D. M. Desiderio* v. *Lindes Corp.*

Des. 148,217. (See 2,280,479.)

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The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $17.50 per annum, including annual index, $21.00; single numbers, 35 cents each.

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Des. 149,037, G. Backer, Woven plastic fabric, D. C., S. D. N. Y., Doc. 46/253, *Newcastle Fabrics Corp.* v. *Wendell Plastic Fabric Corp.* Consent judgment, sustaining patent, adjudging infringement, and granting injunction Mar. 8, 1949.

Des. 149,600, N. Wind, Coin-operated radio receiver, D. C., S. D. N. Y., Doc. 47/731, *Hotel Radio Corp.* v. *Nobell Mfg. Co., Inc.* Consent judgment holding patent valid and infringed, and granting injunction Jan. 27, 1949.

Des. 150,360, R. R. Hutcheson, Casing for heater fan unit, D. C., S. D. N. Y., Doc. 47/605, *E. A. Laboratories, Inc.* v. *Warren-Connolly Co., Inc.* Order of dismissal Jan. 20, 1949.

Des. 152,990, R. N. Leonard, Adjustable antenna, filed May 11, 1949, D. C., E. D. Pa., Doc. 9667, *The Radion Co.* v. *Snyder Mfg. Co.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 32,479. (See T. M. 53,359.)

T. M. 53,359, The S. S. White Dental Mfg. Co., Tooth-paste; T. M. 391,303, same, Mouth wash; T. M. 391,998, same, Tooth powder; T. M. 392,812, same, Dental floss; T. M. 410,511, same, Tooth-paste, mouth wash and tooth powder; T. M. 32,479, same, Dentifrice, D. C. N. J. (Trenton), Doc. 10533, *The S. S. White Dental Mfg. Co.* v. *Mann Chemical Corp.* Injunction issued May 17, 1949.

T. M. 391,303. (See T. M. 53,359.)

T. M. 391,998. (See T. M. 53,359.)

T. M. 392,812. (See T. M. 53,359.)

T. M. 410,511. (See T. M. 53,359.)

NOTICES

Disclaimers

2,163,827.—*John H. Thornbery*, Milwaukee, Wis. THERMOELECTRIC SAFETY SWITCH AND THE LIKE. Patent dated Dec. 19, 1939. Disclaimer filed May 26, 1949, by the assignee, *Milwaukee Gas Specialty Company*, the inventor assenting.

Hereby enters this disclaimer to claims 12 and 13 of said patent.

2,280,495.—*Eugene F. Martinet*, Cleveland, Ohio. SUCTION CLEANER AIR FLOW CONSTRUCTION. Patent dated Apr. 21, 1942. Disclaimer filed May 12, 1949, by the assignee, *Health-Mor, Inc.*

Hereby enters this disclaimer to claims 1, 2, 3, and 4 in said specification.

2,399,662.—*Robert H. Burk*, Wilmington, Del., and *Everett C. Hughes*, Cleveland Heights, Ohio. PROCESS OF ALKYLATING AROMATIC HYDROCARBONS. Patent dated May 7, 1946. Disclaimer filed May 27, 1949, by the assignee, *The Standard Oil Company*.

Hereby enters this disclaimer of claim 4, and so much of claims 8, 12, 13, and 14 as is in excess of a process of alkylating aromatic compounds by the reaction of an olefin having not less than three carbon atoms with an aromatic hydrocarbon under the conditions set forth in said claims.

2,416,095.—*Ernest V. Guldon*, Dayton, Ohio. ELECTRONIC DEVICE. Patent dated Feb. 18, 1947. Disclaimer filed May 23, 1949, by the assignee, *The National Cash Register Company*, and by the inventor.

Hereby enter this disclaimer to claims 3, 4, 6, 7, 8, 9, 14, 17, 18, 19, 20, 24, and 25 of said patent.

2,417,067.—*Raoul A. Peralle*, Long Branch, N. J. TELEPHONE SUBSTATION CIRCUIT. Patent dated Mar. 11, 1947. Disclaimer filed May 4, 1949, by the inventor.

Hereby enters this disclaimer to claims 7 and 8 in said specification.

2,418,268.—*Dennis I. Lawson*, Cambridge, England. PULSE MODULATION SIGNALLING SYSTEM. Patent dated Apr. 1, 1947. Disclaimer filed May 16, 1949, by the assignee, *Pye Limited*.

Hereby enters this disclaimer to claims 1 and 9 in said patent.

Notice Regarding Payment of Fees

RULE 22. Fees and charges payable to the Patent Office are required to be paid in advance, that is, at the time of making application for any action by the Office for which a fee or charge is payable.

RULE 23. All payments of money required for Patent Office fees should be made in United States specie, Treasury notes, national bank notes, post office money orders or postal notes payable in Washington, D. C., or by certified checks. If sent in any other form, the Office may delay or cancel the credit until collection is made. Money orders and checks must be made payable to the Commissioner of Patents. Remittances from foreign countries must be payable and immediately negotiable in the United States for the full amount of the fee required. Money sent by mail to the Patent Office will be at the risk of the sender; letters containing money should be registered.

Use of Patented Drawing in a Reissue

The drawings upon which the original patent was issued may be used in reissue applications if no changes whatsoever are to be made in the drawings. In such cases, when the reissue application is filed, the applicant must submit a temporary drawing which may consist of a copy of the printed drawings of the patent or a photoprint of the original drawings securely mounted by pasting on sheets of drawing board of the size required for original drawing, or an order for the same.

Amendment Filed by an Attorney Not of Record

When an amendment is filed, signed by an attorney whose power is not of record, he, as well as the applicant, should be notified that the amendment cannot be entered.

When the Examiner's letter is of such a character that the six months for amendment runs from the date of a previous action, a statement to that effect should be made at the end of the letter and the date from which the six months runs given.

Printed Copies of Patents

A printed copy of the complete specification and drawings of any patent published herein can be obtained for twenty-five cents. (Designs ten cents.)

Applicant's Address

The requirement of Rule 31, that the post-office address of the applicant must be stated in the petition, means that the applicant must give the post-office address at which he customarily receives his mail.

The rule was made in order that the Office in necessary cases might correspond directly with the applicant and not through his attorney. The address of the attorney with instructions to send communications to the applicant in his care will not be accepted as a compliance with this rule.

Amendments to Amendments

RULE 124. When an amendatory clause is to be amended, it should be wholly rewritten and the original insertion canceled, so that no interlineations or deletions shall appear in the clause as finally presented. Matter canceled by amendment can be reinstated only by a subsequent amendment presenting the canceled matter as a new insertion.

Notice—Attorney's Address

Many letters are being returned to this Office for lack of street address. The attorney's full post-office address should be given in every power of attorney. The prompt delivery of communications will thereby be facilitated.

Trade-Mark Drawings

Substitute drawings will not be accepted in trade-mark applications unless required by the Examiner of Trade-Marks or correction of the original drawing would require that the mark be substantially entirely redrawn.

Communications to the Patent Office

A separate letter should in every case be written in relation to each distinct subject of inquiry or application. Assignments for record, final fees, and orders for copies or abstracts must be sent to the Office in separate letters. (See Rule 4.)

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Hotpoint Inc. offers the following 5 patents for non-exclusive license on reasonable terms to manufacture, use, and sell toasters. Applications for licenses may be addressed to the Secretary, Hotpoint Inc., 5600 West Taylor St., Chicago, Ill.

Pat. 2,005,685. ELECTRIC TOASTER. Patented June 18, 1935. Reg. No. 19,644.

Pat. 2,250,979. TIMING DEVICE. Patented July 29, 1941. Reg. No. 19,645.

Pat. 2,250,989. TIMING DEVICE. Patented July 29, 1941. Reg. No. 19,646.

Pat. 2,250,997. TIMING DEVICE. Patented July 29, 1941. Reg. No. 19,647.

Pat. 2,317,228. ELECTRIC HEATER. Patented Apr. 20, 1943. Reg. No. 19,648.

These 5 patents deal primarily with thermal timing devices for controlling the heating period of toasters or other appliances to insure uniform toasting of successive slices of bread or the like. This is accomplished by shortening later time intervals to compensate for increased temperatures which result from the continued use of the appliance. Pat. 2,250,997 is illustrative. The timing device comprises a bi-metallic thermostat bar used in association with a heater and switch mechanism, the latter of which is controlled by a pivoted latch. Group 36—21.

The General Electric Company offers the following 16 patents for non-exclusive license on reasonable terms to manufacture, use, and sell toasters. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Pat. 2,084,881. ELECTRIC TOASTER. Patented June 22, 1937. Reg. No. 19,649.

Pat. 2,123,067. TOASTER. Patented July 5, 1938. Reg. No. 19,650.

Pat. 2,217,450. TOASTER. Patented Oct. 8, 1940. Reg. No. 19651.

Pat. 2,229,945. CRUMB TRAY FOR ELECTRIC TOASTERS. Patented Jan. 28, 1941. Reg. No. 19,652.

Pat. 2,241,103. TOASTER. Patented May 6, 1941. Reg. No. 19,653.

Pat. 2,255,508. ELECTRIC HEATER. Patented Sept. 9, 1941. Reg. No. 19,654.

Pat. 2,260,043. TOASTER. Patented Oct. 21, 1941. Reg. No. 19,655.

Pat. 2,262,498. COOKING APPARATUS. Patented Nov. 11, 1941. Reg. No. 19,656.

Pat. 2,269,162. TIMING DEVICE. Patented Jan. 6, 1942. Reg. No. 19,657.

Pat. 2,282,082. COOKING APPARATUS. Patented May 5, 1942. Reg. No. 19,658.

Pat. 2,326,589. APPLIANCE CONSTRUCTION. Patented Aug. 10, 1943. Reg. No. 19,659.

Pat. 2,330,644. TOASTER. Patented Sept. 28, 1943. Reg. No. 19,660.

Pat. 2,341,341. TOASTER. Patented Feb. 8, 1944. Reg. No. 19,661.

Pat. 2,344,842. TOASTER. Patented Mar. 21, 1944. Reg. No. 19,662.

Pat. 2,367,044. TOASTER. Patented Jan. 9, 1945. Reg. No. 19,663.

Pat. 2,414,325. AUTOMATIC TOASTER WITH VARIABLE DRAFT. Patented Jan. 14, 1947. Reg. No. 19,664.

These 16 patents describe electric toasters, generally of the so-called "pop-up" type. Separate parts such as timers, crumb trays, etc., are shown in some of the patents.

Pat. 2,461,571. POWER-DRIVEN HAMMER. Patented Feb. 15, 1949. Power driven hammer houses an electric motor for driving a counterweighted transverse spindle mounted inside housing. Spindle has an elongated eccentric portion on which an impact member (having a radial striking jaw), a spring-retaining ring, and an adjustable ring are all mounted in side-by-side relation. A pair of springs are housed in annular grooves in opposite ends of the spring retainer. As the jaw of the impact member initially strikes the shank of any suitable tool that has been inserted into chuck of hammer, the shank engages the jaw to arrest rotational movement of impact member as the jaw moves radially inwardly. While the jaw is moving radially inwardly, the springs are compressed so that when the jaw clears the end of the shank of tool the springs will rotate the impact member 360° to deliver a hammer blow to tool. (Owner) Girard C. Robinson, 1424 South 12th Ave., Maywood, Ill. Group 35—42. Reg. No. 19,665.

Pat. 2,461,022. VARIABLE POWER AND SPEED TRANSMISSION. Patented Feb. 8, 1949. Hydraulic transmission for motor vehicles and the like has all operating parts enclosed in a housing filled with hydraulic fluid. A driving shaft and a driven shaft in axial alignment extending outwardly through opposite ends of housing are provided with a pair of oppositely disposed beveled gears on their inner ends in permanent meshing engagement with a pair of beveled pinions on opposite ends of a cross shaft fixedly secured to inner end of driving shaft. The ring gear on the driving shaft is rotatably mounted thereon behind the cross shaft. A radially grooved fluid impact driven member is slidably and rotatably mounted on the driving shaft opposite a fixed radially finned wheel on this shaft. A sleeve of the impact member is slidably keyed to the hub of the ring gear on the driving shaft. The speed of the driven shaft may be varied by manually sliding the impact member toward and away from the finned wheel, or into interlocking engagement with the wheel. (Owner) H. C. Barnack, 122 Halladay Ave., Suffield, Conn. Groups 35—66; 38—31. Reg. No. 19,666.

Pat. 2,459,963. FISHING LINE CHANGER. Patented Jan. 25, 1949. Device for changing the line on a reel may be carried in tackle box and used by either right- or left-handed fishermen. Base carries two supports for a horizontal rotatable shaft, one support being stationary and the other detachably mounted on either side. Shaft has spaced drum flanges between the supports, a turning handle, and a free end tapered to hold a line-carrying spool. Two reel holders are mounted on base. The old line is wound from reel placed in one holder onto shaft between drum flanges, then a new line wound from spool held on free end of shaft onto reel in second holder. (Owner) M. Luther Roark, 501 South Roan St., Elizabethton, Tenn. Group 39—49. Reg. No. 19,667.

Pat. 2,460,835. ELECTRICAL INSULATION TESTING APPARATUS. Patented Feb. 8, 1949. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 G. G. 757.) Apparatus comprises a pair of multiple-position selector switches, each having a number of fixed contacts, and a single manually operated rotatable contact. The first switch includes a pinion and rack, and a rod that laterally engages a stepwise spiral cam of the second switch. In checking the insulation between transformer windings, for example, each of the windings is connected to a different fixed contact. A. C. voltage is introduced in a circuit in which a current-limiting resistor and an indicating device are interposed. In performing the check, one switch is adjusted to a reference position and the other rotated through all possible positions, the process continuing until the first switch has reached its extreme clockwise position. Any fault in the insulation is shown on the indicating device. (Owner) S. G. Luts, New York University, College of Engineering, Department of Electrical Engineering, University Heights, New York 53, N. Y. Group 36—13. Reg No. 19,668.

The following three patents are offered for sale or license by D. H. Killeffer, 168 Westchester Ave., Tuckahoe 7, N. Y.

Pat. 2,175,267. METHOD OF AND APPARATUS FOR REFRIGERATION. Patented Oct. 10, 1939. This patent describes a method of obtaining a magnified refrigeration effect from solid carbon dioxide by utilising it to cool the condenser of a reciprocating engine whose boiler is at the temperature of the refrigerator and using the power obtained from the engine to operate a supplementary refrigerating cycle cooling the same receptacle. Group 35—84. Reg. No. 19,669.

Pat. 2,328,462. REFRIGERATING SYSTEM. Patented Aug. 31, 1943. This patent continues the idea of Pat. 2,175,267 (Reg. No. 19,669) and describes a motor-compressor unit for performing the functions noted. Unit consists essentially of a column of liquid mercury in a cylinder of steel or other metal that is not wetted by the mercury. This arrangement gives self-sealing pistons that move with minimum friction in the cylinder. Group 35—84. Reg. No. 19,670.

Pat. 2,328,463. PRIME MOVER. Patented Aug. 31, 1943. This patent describes in detail the motor-compressor unit of Pat. 2,328,462 (Reg. No. 19,670). The essential points of the unit are a column of liquid mercury reciprocating in a cylinder of steel or other metal that is not wetted by the mercury, and an inlet-outlet valve combination actuated by floating on the mercury column. This unit is particularly adapted to use where power involved is small but where great differences between pressures in drive and driven ends of the system can be compensated by an intervening mercury column. Group 35—84. Reg. No. 19,671.

Pat. 2,458,733. POSITIVE BRAKE OR ARRESTING MEANS. Patented Jan. 11, 1949. This invention appertains to mechanism of simple construction, having for its prime object to arrest an intermittently motivated or rotated member furnishing positive limitation of movement of the rotated member, nullifying any residual momentum imparted to the rotated member by the motivating unit or prime mover. (Owner) George Reget, 120-09 227th St., St. Albans 11, N. Y. Group 35—69. Reg. No. 19,672.

Pat. 2,461,247. UTILITY COVER. Patented Feb. 8, 1949. A plastic, metal, or the like cover for jars, milk bottles, and other containers. A circular wall has a U-shaped skirt to straddle top of container. A removable disk with handle rests in recess in the wall. Disk has spaced slots to receive ribs on inner portion of skirt. Cams adjacent each slot are turned to engage or disengage the ribs and slots to tighten or release the disk. (Owner) George Wormull, 2 New York Ave., Bergenfield, N. J. Groups 33—73; 39—81; 40. Reg. No. 19,673.

Pat. 2,462,344. SUPPORT FOR SHIFTABLE CURTAIN RODS. Patented Feb. 22, 1949. Support for ends of shower curtain rods permits shifting rod from left to right to bring curtain in contact with rim of tub or shower wall or a distance therefrom for drying. Rectangular in shape, with an elongated groove (wider at center for insertion of end of rod) having a downwardly extending pocket at either end to support rod in shifted positions. Formed of ceramic, metal, plastic, or other suitable material to be mounted in the wall, replacing two tiles, or mounted over old tiles. (Owner) William G. Anderson, 1916 Hayes St., Hollywood, Fla. Groups 25—62; 32—61; 39—81. Reg. No. 19,674.

Pat. 2,461,769. TRESTLE. Patented Feb. 15, 1949. An extensible trestle used in erecting scaffolds for painters, carpenters, etc. A pair of A-shaped frames with spaced cross rounds have straight top cross bars connected by a channel bar. The channel bar has openings for the legs of an extension ladder. A pair of angle bars extend upwardly from the lowest cross round to receive the legs of the ladder. A trough-shaped keeper bar hinged to the top cross bar swings under a selected round to support the ladder at the desired height. May be used as permanent shop equipment or transported to other jobs. (Owners) John L. Posun, Le Roy Houghton, Howard C. Faust. Correspondence to John L. Posun, 303 Fairfield Ave., Johnstown, Pa. Groups 25—99; 33—81. Reg. No. 19,675.

Des. Pat. 108,131. DESIGN FOR A SCRAPING TOOL. Patented Jan. 25, 1938. Formerly manufactured by inventor under name Kurl-Edge. (Owner) Mrs. Ella B. Reid. Correspondence to David M. Marshall, Citizens Bank of Stuart Bldg., Stuart, Fla. Groups 33—52—59; 40. Reg. No. 19,676.

Pat. 2,442,745. MILK BOTTLE CLOSURE. Patented June 8, 1948. Milk bottle closure to be applied when regular pasteboard cap has been removed. Comprises a steel wire frame with vulcanized rubber composition disk which fits the milk bottle rabbet. A spring jaw partially encircles neck of bottle and has an upwardly extending loop forming a pivot for a cover-carrying lever. Handle portion of the lever is curved and downwardly inclined so that when the bottle is grasped the handle moves inwardly and the disk is lifted. The cover will automatically close from its own weight and snaps into the rabbet when given a slight downward push. (Owner) Frank M. Alexander, Box 1166, Winter Haven, Fla. Groups 30—31; 33—49—73; 40. Reg. No. 19,677.

Pat. 2,462,382. TURNBUCKLE. Patented Feb. 22, 1949. When this turnbuckle is adjusted to tension cables, etc., the tension may be relieved and then restored without disturbing the initial setting of the rotatable parts. It consists of two main interlockable members interconnected at their inner ends by a link to form a jointed structure. The structure may be retracted or extended by pivotally swinging the link in desired direction. When retracted, a sleeve may be slid over the members to hold them in this position. The link is provided with a trans-

verse tube having socketed ends to receive the end of a wrench to turn link. (Owner) Paul G. Gleason; 14658½ Victory Blvd., Van Nuys, Calif. Group 33—91. Reg. No. 19,678.

Pat. 2,455,011. THERMAL ALARM APPARATUS. Patented Nov. 30, 1948. Protective system for electric motors and other electrical equipment will intermittently actuate a bell or light when the temperature approaches a critical point so that operator may relieve part of the load. The system also serves to indicate a drop in temperature so that operator may re-apply the removed load. Thus, the motor may be continuously operated with the highest possible safe load. If the temperature reaches a critical point, a safety switch is automatically actuated to shut off the power. A pair of independent snap acting thermal elements for controlling the respective circuits are normally in engagement with the surfaces of heat exchange members. When the signal thermal element snaps to circuit closing position, it engages the surface of a cooling element so that it is rapidly cooled and returned to normal position. Modifications are set forth. (Owner) Clarence W. Ingels, 111—40 196th St., St. Albans 12, N. Y. Group 36—41. Reg. No. 19,679.

Pat. 2,460,944. BICYCLE HOLDING FIXTURE. Patented Feb. 8, 1949. Fixture for holding a bicycle during repair work comprises a swivel-mounted stand having a rotatable clamping vise. The jaws of the vise are made of hardwood shaped to accommodate and clamp the frame of the bicycle near the pedal crank bearing and at the juncture of the frame. The rotational mounting of the vise and the swiveled stand enable the bicycle to be moved to any position convenient for work. (Owner) G. E. Nighthart, 318 Valley St., Rear, Lewistown, Pa. Group 37—41. Reg. No. 19,680.

Pat. 2,460,945. BICYCLE SERVICING FIXTURE. Patented Feb. 8, 1949. This fixture may be used to hold a bicycle at a convenient height for display or repair. The fixture is composed of an articulated horisontal platform or runway having an intermediate section pivoted at its forward end to an extensible ramp portion and at the outer end to a drop leaf portion. The construction permits the stand to be pivotally inclined for unloading or loading purposes. The intermediate section is supported in an elevated position by an upright stand and by the ramp section which is lowered as a supporting leg. (Owner) G. E. Nighthart, 318 Valley St., Rear, Lewistown, Pa. Group 37—41. Reg. No. 19,681.

Pat. 2,445,897. ALTERNATING CURRENT SYSTEM. Patented July 27, 1948. Reg. No. 19,682.

Pat. 2,456,902. OSCILLATOR SYSTEM. Patented Dec. 21, 1948. Reg. No. 19,683.

These two patents relate to systems in which there are no electronic emission devices or moving parts for converting direct current into alternating current at any frequency or voltage. Generally stated, in the system shown in Pat. 2,445,897 direct current is converted to alternating current by applying a fluctuating voltage in opposite phase to each of a pair of direct current sources. The outputs of both direct current sources are combined as modified by the fluctuating voltage. Pat. 2,456,902 is an improvement and differs in that the circuit is employed to supply feed-back energy to maintain the system in a state of continuous oscillation, the load currents being taken from another transformer. (Owner) Philip J. Walsh, 239 Phelan Ave., San Francisco 12, Calif. Group 36—62—92.

The following four patents are offered for license by Locke Inc. Correspondence to Secretary, Locke Incorporated, P. O. Box 87, Baltimore 3, Md.

Pat. 1,894,292. STRAIN INSULATOR. Patented Jan. 17, 1933. A strain insulator having helical hoods or ribs for insuring draining off of water falling on the insulator during rain storms or condensing thereon in misty or foggy weather. Group 32—29—64. Reg. No. 19,684.

Pat. 1,949,562. CONDUCTOR RELEASING CLAMP. Patented Mar. 6, 1934. A transmission line conductor suspension clamp having a trigger release arrangement enabling the clamp to release its gripping action upon the conductor under excessive strain conditions. Groups 34—81; 35—69. Reg. No. 19,685.

Pat. 1,988,369. RADIO INTERFERENCEPROOF INSULATOR. Patented Jan. 15, 1935. Relates to an arrangement of the insulator pin cavity and the attached metal head of the insulator for achieving better electrical stress distribution and hence less corona. Group 32—29—64. Reg. No. 19,686.

Pat. 2,009,629. ARTICLE SPINNING DEVICE. Patented July 30, 1935. A device for spinning metal objects subsequent to their subjection to a galvanizing bath, the purpose being to throw off any surplus spelter or the like adhering to the object. Groups 34—39; 35—43. Reg. No. 19,687.

Pat. 2,433,275. CLOTHES CLOSET HANGER. Patented Dec. 23, 1947. Braced hanger rack fastened to closet wall or door supports a number of garment hangers in a minimum of space. A metal-rod rectangular frame with curved front and corners has straight back rod hinged horisontally to wall. A bracing rod attached to curved front of rack fits into an aperture of a metal backing strip dependent from center of hinged rod, supporting rack in horisontal position. When not in use, rack and rod hang parallel to wall. (Co-owner) H. V. Howard, 208½ South Summit St., Arkansas City, Kans. Groups 25—41; 33—59—83; 34—95—99. Reg. No. 19,688.

Pat. 2,461,255. ANIMAL POKE. Patented Feb. 8, 1949. A strap metal yoke of inverted U-shape adapted to pass about the neck of an animal has a hook at top of yoke and a hook at lower end of each leg of the yoke to engage fence wires and prevent animal from getting through fence. An arcuate neck pad is secured to underside of upper portion of yoke. Legs of yoke are held in vertical parallel position by a horisontal bolt, from which a plate is pivotally suspended, conforming at its top to shape of the underside of animal's neck. A longer hook member extends downward in front of and below the plate to engage lower fence wires. The poke is placed on the animal by removing the bolt so that one leg of yoke flexes outwardly, and adjusting the bolt in the proper set of holes furnished for adjustment to size of neck. (Owner) John H. Beard, Route 2, Ruston, La. Groups 33—59; 34—95; 35—22. Reg. No. 19,689.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 21, 1949

[VOL. 623. NO. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 510,491. DIAMOND ALKALI COMPANY, Cleveland, Ohio. Filed Oct. 9, 1946.

DIAMUD

FOR CHEMICAL PREPARATIONS TO BE USED WITH WELL DRILLING FLUIDS TO ENHANCE THE DRILLING CHARACTERISTICS OF WELL DRILLING MUDS, SAID PREPARATIONS BEING ADAPTED FOR MIXING WITH THE SOIL WHEN DRILLING.

Claims use since June 19, 1946.

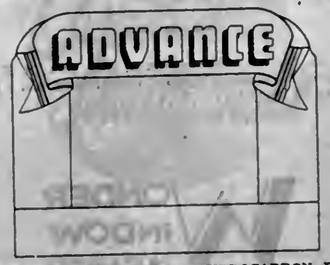
Ser. No. 515,816. J. BRACH & CIE, SOCIETE D'EXPLOITATION DES PRODUITS BOTOT, Paris, France. Filed Jan. 16, 1947.

BRENNY

FOR PERFUMES, TOOTHPASTE.

Claims use since Dec. 6, 1929.

Ser. No. 517,684. ADVANCE SOLVENTS & CHEMICAL CORPORATION, New York, N. Y. Filed Feb. 18, 1947.



FOR SYNTHETIC LIQUID HYDROCARBON POLYMERS, MIXTURES OF POLYBUTENE POLYMERS AND HYDROCARBON WAXES, WETTING AND FOAMING AGENTS, POLYGLYCOL ESTERS SUITABLE FOR USE AS EMULSIFIERS, WETTING AGENTS, SOFTENERS AND PENETRATING AGENTS, CRESYLIC ACIDS, DIBENZYL ETHERS, ALKYLATED ARYL SULPHONATES, CARBOXYLIC ACIDS, SODIUM HYDROCARBON SULPHONATES, PLASTICIZERS, VINYL STABILIZERS, ALUMINUM SOAP OF NAPHTHENIC ACIDS, RUBBER TACKIFIERS.

Claims use since May 1, 1946.

CLASS 15

OILS AND GREASES

Ser. No. 513,694. SUN OIL COMPANY, Philadelphia, Pa. Filed Dec. 4, 1946.

SUNOCO

Applicant owns Registrations Nos. 306,496, 300,654, 377,516, 128,183, 153,018, 362,740, 344,149, 124,943, and 384,759.

FOR CLEAR PENETRATING OIL; DETERGENT TYPE MOTOR LUBRICATING OIL; DOOR HINGE LUBRICATING GREASE; WATER PUMP, ENGINE AND MOTOR LUBRICATING OILS AND GREASES; GASOLINE; MOTOR VEHICLE GEAR LUBRICATING OIL AND GREASE; HOUSEHOLD LUBRICATING OIL; LUBRICATING OIL FOR HYDRAULIC LIFTS; KEROSENE; LEAF SPRING LUBRICATING OIL AND GREASE; CUP GREASE FOR MOTOR VEHICLES; FLUSHING OIL FOR MOTOR VEHICLE ENGINES; RUST PREVENTIVE OILS; STEERING GEAR LUBRICATING OIL AND GREASE; TRANSMISSION LUBRICATING OIL AND GREASE; LUBRICATING OIL AND GREASE FOR TRACTOR ROLLERS; UNIVERSAL JOINT AND WHEEL BEARING GREASE; BODY AND CHASSIS GREASE FOR AUTOMOTIVE EQUIPMENT; UPPER CYLINDER LUBRICATING OIL; REFINED PETROLEUM WAX; TEXTILE FIBRE LUBRICATING OIL; CUTTING OILS AND MOTOR AND HEATING FUEL OILS.

Claims use since 1909.

Ser. No. 522,480. THE HANCOCK OIL COMPANY OF CALIFORNIA, Long Beach, Calif. Filed May 16, 1947.



FOR LUBRICATING OILS AND GREASES, GASOLINE, KEROSENE.

Claims use since Feb. 4, 1947.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 509,434. MIDLAND INDUSTRIAL FINISHES COMPANY, Waukegan, Ill. Filed Sept. 20, 1946.

MICO

FOR SYNTHETIC BAKING AND AIR DRYING ENAMELS FOR INDUSTRIAL USE, FURNITURE PAINTS AND LACQUERS, PAINT PRIMER AND RUBBER-BASED PAINT SOLD IN LIQUID FORM.
Claims use since Apr. 27, 1946.

Ser. No. 513,693. CLARA M. STINSON, doing business as Mae-Son-Ete Company, Cleveland Heights, Ohio. Filed Dec. 4, 1946.

MAE-SON-ETE

FOR COMBINED CLEANING AND POLISHING PREPARATIONS FOR USE ON FLOORS, WOODWORK, FURNITURE, LINOLEUM, TILE, ENAMEL, AND AUTOMOBILES.
Claims use since May 1931.

Ser. No. 515,606. THE BISSELL VARNISH COMPANY, Bridgeport, Conn. Filed Jan. 11, 1947.

BI-VAR-CO

FOR OIL PAINTS IN PASTE OR LIQUID FORM AND PAINT ENAMELS.
Claims use since 1930.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 499,926. AUGUST S. TORRES, Kinderhook, N. Y. Filed Apr. 9, 1946.

INFRA ROAST

The word "Roast" is disclaimed apart from the mark as shown.
FOR ELECTRIC COFFEE ROASTERS.
Claims use since Nov. 1, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 494,861. PACIFIC WIRE PRODUCTS CORPORATION, also doing business as Aircraft Containers Co., and also operating as Durabilt Manufacturing Company, Los Angeles, Calif. Filed Jan. 16, 1946.

WESTCOASTER

FOR PULL TOYS—NAMELY, TOY WAGONS.
Claims use since Nov. 1, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 503,629. BETHLEHEM SUPPLY COMPANY, Tulsa, Okla. Filed June 11, 1946.

HYDRODRIVE

FOR MECHANICAL HOISTS USED IN THE DRILLING AND SERVICING OF OIL WELLS.
Claims use since Nov. 20, 1945.

Ser. No. 505,456. MAX SUNSERI, New York, N. Y., assignor to Wonder Window Washer Mfg. Co. Filed July 11, 1946.

WONDER WINDOW WASHER

The words "Window Washer" are disclaimed apart from the mark.
FOR WINDOW WASHER CONSISTING OF A SPONGE, SQUEEGEE, HANDLE, AND U-SHAPED HANDLE ATTACHMENT ROD.
Claims use since Jan. 2, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 516,452. UNIVERSAL PICTURES COMPANY, INC., New York, N. Y. Filed Jan. 27, 1947.

Universal International

FOR FILMS FOR USE IN CONNECTION WITH SYNCHRONIZED APPARATUS FOR SIMULTANEOUSLY REPRODUCING COORDINATED LIGHT AND SOUND EFFECTS; FILMS WITH SOUND, WORDS, AND/OR MUSIC RECORDED THEREON; FILMS WITHOUT SOUND RECORDED THEREON ADAPTED FOR SYNCHRONIZATION WITH SEPARATE SOUND, WORDS, AND/OR MUSIC FILMS AND RECORDS; FILMS AND RECORDS WITH SOUND, WORDS AND/OR MUSIC RECORDED THEREON, ADAPTED FOR SYNCHRONIZATION WITH SEPARATE PICTURE FILMS; AND MOTION PICTURES.
Claims use since Nov. 20, 1946.

Ser. No. 516,453. UNIVERSAL PICTURES COMPANY, INC., New York, N. Y. Filed Jan. 27, 1947.

Universal International

FOR FILMS FOR USE IN CONNECTION WITH SYNCHRONIZED APPARATUS FOR SIMULTANEOUSLY REPRODUCING COORDINATED LIGHT AND SOUND EFFECTS; FILMS WITH SOUND, WORDS, AND/OR MUSIC RECORDED THEREON; FILMS WITHOUT SOUND RECORDED THEREON ADAPTED FOR SYNCHRONIZATION WITH SEPARATE SOUND, WORDS, AND/OR MUSIC FILMS AND RECORDS; FILMS AND RECORDS WITH SOUND, WORDS AND/OR MUSIC RECORDED THEREON, ADAPTED FOR SYNCHRONIZATION WITH SEPARATE PICTURE FILMS; AND MOTION PICTURES.
Claims use since Nov. 20, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 521,365. CHARLES B. SHER COMPANY INC., New York, N. Y. Filed Apr. 25, 1947.



GET 'SETCO'

The picture of the human figure is merely fanciful.
FOR WRAPPING PAPER, TISSUE PAPER, PAPER TOWELS, TOILET PAPER, WATERPROOF PAPER, PARCHMENT AND GLASSINE, WAX PAPER, CORRESPONDENCE ENVELOPES, BLOTTING PAPER, CORRUGATED PAPER, KRAFT PAPER, CARDBOARD, AND SHEETS OF ADHESIVE MATERIAL FOR THE PROTECTION OF MAPS AND THE LIKE.
Claims use since Jan. 3, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 521,686. RODRIGUES FLAVORING SYRUPS, INC., Baltimore, Md. Filed May 1, 1947.

Mavis Cola MIX

The words "Cola" and "Mix" are disclaimed apart from the mark.
FOR SYRUPS, CONCENTRATES, AND EXTRACTS FOR NON-ALCOHOLIC MALTLESS BEVERAGES IN THE NATURE OF SOFT DRINKS.
Claims use since May 1, 1920.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 512,633. AMERICAN CHEWING PRODUCTS CORP., Newark, N. J. Filed Nov. 15, 1946.

AMERICAN MAID
HUBBA-HUBBA

Applicant is the owner of Registration Nos. 426,514 and 438,366. Applicant disclaims the words "American Maid" apart from the mark as shown.
FOR CHEWING GUM.
Claims use since Oct. 30, 1946.

Ser. No. 522,059. WILLIAM P. SHORT, Detroit, Mich. Filed May 8, 1947.



The word "Brand" is disclaimed.
FOR BIRD SEED.
Claims use since Mar. 20, 1947.

Ser. No. 525,084. I. C. A. INDUSTRIE CONSERVE ALIMENTARI, Soc. An., Rome, Italy. Filed June 28, 1947.



FOR CONCENTRATED TOMATO, TOMATO SAUCE, PEELED TOMATOES, CONCENTRATED GRAPES, PRESERVED FRENCH PEAS, GREEN PEAS AND ARTICHOKES SOLD AS CANNED PRODUCTS, AND RICE SOLD IN PACKAGES, INDIAN CORN, WHEAT, OATS, RYE AND BARLEY.
Claims use since March 1923.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 528,660. TOKHEIM OIL TANK AND PUMP COMPANY, Fort Wayne, Ind. Filed July 15, 1947. Under section 2f of the act of 1946.

TOKHEIM

Applicant claims ownership of Registrations Nos. 178,253, 418,030, and 428,055.
FOR LIQUID FUEL TANKS USED FOR STORAGE PURPOSES.
Claims use since May 1902.

Ser. No. 547,631. GULF STATES PAPER CORPORATION, Tuscaloosa, Ala. Filed Jan. 21, 1948. Under section 2f of the act of 1946.

KHAKI KRAFT

The word "Kraft" is disclaimed apart from the mark.
Applicant claims ownership of Registration No. 275,883.
FOR PAPER BAGS.
Claims use since June 1, 1925.

CLASS 3

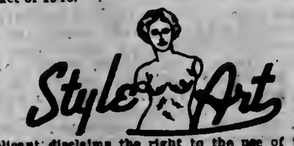
BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 506,356. WILLIAM BAL CORPORATION, Newark, N. J. Original filed July 26, 1946, under the act of 1905; amended to application under act of 1946, Feb. 24, 1949.

"BAL"
AEROFIBRE

FOR TRUNKS.
Claims use since June 27, 1946.

Ser. No. 522,208. MAX HOLSMAN, doing business as Style-Art Handbags, New York, N. Y. Original filed May 10, 1947, under the act of 1905; amended to application under act of 1946, Sept. 15, 1948. Under section 2f of the act of 1946.



Applicant disclaims the right to the use of the word "Style," apart from the mark as shown. The figure is a representation of the Venus de Milo.
FOR LADIES' HANDBAGS.
Claims use since Jan. 2, 1939.

Ser. No. 542,652. PRINCE GARDNER COMPANY, St. Louis, Mo. Filed Nov. 28, 1947. Under section 2f of the act of 1946.

PRINCE GARDNER

Consent to the registration of the name "Prince Gardner" is of record in the application file. Applicant claims ownership of Registration No. 359,533.
FOR LEATHER SUIT AND TRAVELING BAGS, FITTED OVER-NIGHT BAGS, HAND BAGS AND PURSES, POCKETBOOKS AND BILL FOLDS, BRIEF CASES, DOG COLLARS AND DOG HARNESSES, TRUNK STRAPS, LEATHER KEY CASES, AND LEATHER CARDCASES.
Claims use since Aug. 1, 1923.

Ser. No. 570,619. LANCA HANDBAGS CORPORATION, Batavia, N. Y. Filed Dec. 16, 1948.

"LANCA"

FOR WOMEN'S HANDBAGS.
Claims use since Sept. 12, 1948.

Ser. No. 570,683. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y. Filed Dec. 17, 1948.

CURVEX

FOR BILL FOLDS AND PURSES.
Claims use since Dec. 10, 1948.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 501,881. STEDFORD CHEMICAL CO., Fayetteville, N. Y. Original filed May 10, 1946, under the act of 1905; amended to application under act of 1946, Jan. 26, 1948.

FOAMKLEEN

FOR EMULSIFYING AND CLEANSING AGENT FOR USE WITH WATER FOR GENERAL CLEANING PURPOSES.
Claims use since Mar. 1, 1940.

Ser. No. 551,143. L. SONNEBORN SONS, INC., New York, N. Y. Filed Mar. 3, 1948.

HYDRONATE

FOR WATER SOLUBLE SULFONATED PETROLEUM SURFACE ACTIVE AGENTS IN POWDER AND LIQUID FORM, USED AS LIQUID CLEANER FOR WALLS, WINDOWS, FLOORS, UPHOLSTERY, RUGS, AND AS A FOAM BUILDER IN SOAP SOLUTIONS AND SYSTEMS.
Claims use since June 15, 1944.

Ser. No. 555,182. LARKIN CO INC., Buffalo, N. Y. Filed Apr. 21, 1948.

GAY BLADE

FOR SHAVING CREAM.
Claims use since Apr. 2, 1948.

CLASS 5

ADHESIVES

Ser. No. 539,340. NATIONAL STARCH PRODUCTS INC., New York, N. Y. Filed Oct. 28, 1947. Under section 2f of the act of 1946.

CLEARSTRIP

FOR ADHESIVES FOR ADHERING SUBSTANCES TO CAPS AND NECKS OF LIQUOR BOTTLES AND THE LIKE.
Claims use since May 23, 1941.

Ser. No. 542,539. CRAG PRODUCTS, INC., Newark, N. J. Filed Nov. 28, 1947.

Model-Weld

The word "Model" is disclaimed.
FOR ALL-PURPOSE ADHESIVE CEMENT.
Claims use since Aug. 1, 1947.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 503,583. FLORA MAREE MEYER, doing business as Renaissance Toiletries, Cleveland, Ohio. Original filed June 10, 1946, under the act of 1905; amended to application under act of 1946, Feb. 7, 1949.

Renaissance

FOR TOILETRIES, WHICH FALL UNDER THE GENERAL CLASSIFICATION OF CREAMS, OILS, LOTIONS, POWDER, NAIL POLISH AND REMOVER, AND MORE SPECIFICALLY, CREAM DEODORANT, CLEANSING CREAM, LUBRICATING CREAM, SUN-TAN LOTION, THROAT CREAM, OILY SKIN LOTION, SPECIAL BEAUTY OIL, OILY SKIN CREAM, WIND AND WEATHER LOTION, CUTICLE OIL, LIQUID POWDER ASTRINGENT, PERFUME, EAU DE COLOGNE, LIQUID DEODORANT, GRANULAR SKIN CLEANSING POWDER, COLD CREAM, SKIN FRESHENER, HAND LOTION, ASTRINGENT LOTION REJUVENATING OIL, EYE BALSAM, LIQUID POWDER, HERBAL MASQUE, PEACH SKIN POWDER, LIPSTICKS, CREME ROUGE, DRY ROUGE, NAIL POLISH AND REMOVER.
Claims use since Sept. 12, 1932.

Ser. No. 511,350. NOPCO CHEMICAL COMPANY, now by change of name from National Oil Products Co., Harrison, N. J. Original filed Oct. 23, 1946, under the act of 1905; amended to application under act of 1946, Jan. 29, 1948.

Vegokleen

FOR SHAMPOO.
Claims use since Sept. 4, 1946.

Ser. No. 542,758. FRANKLIN LABORATORIES, INC., Englewood, N. J. Filed Nov. 29, 1947.

SPRACE

Applicant claims ownership of Registration No. 397,589.
FOR PHARMACEUTICAL PREPARATION USED IN THE TREATMENT OF HEMORRHOIDS.
Claims use since Apr. 9, 1941.

Ser. No. 544,063. THE DEB COMPANY, West Hartford, Conn. Filed Dec. 11, 1947.

Deb

FOR AIR REFRESHANT PREPARATION FOR USE IN ELIMINATING UNPLEASANT ODORS.
Claims use since July 10, 1947.

Ser. No. 544,437. ENCO CHEMICAL CORPORATION, New York, N. Y. Filed Dec. 16, 1947.



The drawing is lined to indicate shading. Applicant claims ownership of Registration No. 400,592.
FOR LECITHIN AND LECITHIN CONTAINING COMPOUNDS.
Claims use since Nov. 27, 1941.

Ser. No. 546,990. FISSAN LIMITED, Loughborough, England. Filed Jan. 14, 1948.

FISSAN

Applicant claims ownership of British Registrations Nos. 561,834 (renewed), dated June 11, 1934, and 558,112 (renewed), dated Feb. 19, 1935.
FOR CHEMICAL SUBSTANCES PREPARED FOR USE IN MEDICINE AND PHARMACY—NAMELY, MEDICATED DRESSINGS FOR BURNS, CUTS, AND WOUNDS; SKIN LOTIONS, TOILET CREAM, TOILET POWDER, SALVE BASE, DEODORIZERS, ETHEREAL OILS, AND PERFUMES.

Ser. No. 547,285. DR. I. E. SCRIPTURE COMPANY, Frankfort, Ind. Filed Jan. 16, 1948.

DR. SCRIPTURE'S



The portrait comprising a portion of the trade-mark is that of Dr. I. E. Scripture who died on Jan. 9, 1928. He was the father of Lucy S. Switzer, one of the applicants herein. No claim is made to the name "Dr. Scripture's" apart from the mark.
FOR MEDICINAL PREPARATION CONSISTING OF AMMONIA, SOAP, LINIMENT, WITCH HAZEL, AND ALCOHOL.
Claims use since June 26, 1947.

Ser. No. 553,257. MARIE BARKER COMPANY, St. Louis, Mo. Filed Mar. 29, 1948. Under section 2f of the act of 1946.

Marie Barker

The trade-mark does not identify any particular living individual.
FOR COSMETICS—TO-WIT, FACE POWDER, DUSTING POWDER, CLEANSING CREAM, SKIN CREAM, THROAT AND FACE CREAM, SKIN TONING LOTION, MEDICATED LOTION, ASTRINGENT LOTION, MAKE-UP FILM LOTION, DRY SKIN LOTION, FINISHING CREAM, MEDICATED CREAM, FACE AND THROAT OIL, CREAM SACHET, EYELID CREAM, HAND CREAM, DEODORANT CREAM, COLOGNE, ROUGE, AND LIP STICK.
Claims use since Nov. 14, 1932.

Ser. No. 554,125. KEMART CORPORATION, San Francisco, Calif. Filed Apr. 8, 1948.

KEMART

FOR NEUTRALIZER FLUID COMPOUND AND HIGHLIGHT WHITE COMPOUND USED TO CHEMICALLY TREAT DEFINED AREAS IN PREPARING ART WORK FOR REPRODUCTION.
Claims use since Feb. 4, 1947.

Ser. No. 554,130. KEMART CORPORATION, San Francisco, Calif. Filed Apr. 8, 1948.



FOR NEUTRALIZER FLUID COMPOUND AND HIGHLIGHT WHITE COMPOUND USED TO CHEMICALLY TREAT DEFINED AREAS IN PREPARING ART WORK FOR REPRODUCTION.
Claims use since Mar. 5, 1947.

Ser. No. 557,233. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed June 18, 1948.

DALVANIL

Applicant claims ownership of Registration No. 363,166.
FOR SEDATIVE, ANESTHETIC, AND SLEEP-PRODUCING PREPARATION.
Claims use since June 16, 1948.

Ser. No. 558,978. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y. Filed June 7, 1948.

SNOWFINE

FOR SODIUM SESQUICARBONATE.
Claims use since Apr. 23, 1948.

Ser. No. 559,133. WARD BLENKINSOP & COMPANY LIMITED, London, England. Filed June 14, 1948.

VIACUTAN

Applicant claims ownership of British Registration No. 512,839, dated Sept. 17, 1940.
FOR BACTERICIDAL SOLUTIONS FOR USE IN MEDICINE AND PHARMACY.

Ser. No. 559,139. DAB HEALTH LABORATORIES, LIMITED, London, England. Filed June 14, 1948.

VALCREMA

Applicant claims ownership of British Registrations Nos. 641,537 and 641,538, dated Nov. 5, 1945.
FOR SKIN CREAMS, ANTISEPTIC CREAMS, AND OINTMENTS.

Ser. No. 559,249. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed June 15, 1948.

LOHOKINE

FOR MINERAL VITAMIN PREPARATION.
Claims use since June 7, 1948.

Ser. No. 559,514. INNOVENTIONS, INC., Paoli, Pa. Filed June 17, 1948.

Ticknix

FOR TICK REPELLENT LOTION FOR HORSES AND DOGS.
Claims use since Apr. 9, 1948.

Ser. No. 559,886. HARRIET HUBBARD AYER, INC., New York, N. Y. Filed June 22, 1948.

Golden Note

FOR PERFUME.
Claims use since Feb. 25, 1948.

Ser. No. 559,893. HARRIET HUBBARD AYER, INC., New York, N. Y. Filed June 22, 1948.

Golden Splash

FOR PERFUME.
Claims use since Feb. 25, 1948.

Ser. No. 559,895. HARRIET HUBBARD AYER, INC., New York, N. Y. Filed June 22, 1948.

Red Carpet

FOR FACE POWDER AND TALCUM POWDER.
Claims use since Feb. 25, 1948.

Ser. No. 559,896. HARRIET HUBBARD AYER, INC., New York, N. Y. Filed June 22, 1948.

Sand Paper

FOR PERFUME.
Claims use since Feb. 25, 1948.

Ser. No. 560,059. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed June 23, 1948.

MULTIFON

FOR ANTIBACTERIAL PREPARATION.
Claims use since June 15, 1948.

Ser. No. 560,767. THE LOS ANGELES LABORATORIES, INC., Los Angeles, Calif. Filed July 6, 1948.

LAL

FOR CALCIUM GLUCONATE WAFERS, AND THIAMIN HYDROCHLORIDE IN LIQUID AND TABLET FORM.
Claims use since June 18, 1948.

Ser. No. 561,424. EDMUND J. COLLETTE, doing business as Farreau & Collette, Spencer, Mass. Filed Mar .26, 1948. Under section 2f of the act of 1946.

MATHIEU'S

Applicant claims ownership of Registrations Nos. 285,799 and 286,092.
FOR SYRUP FOR COUGHS DUE TO COLDS OR FOR TEMPORARY HOARSENESS.
Claims use since Mar. 1, 1930.

Ser. No. 562,080. MONTICELLO DRUG COMPANY, Jacksonville, Fla. Filed July 23, 1948.

666

Applicant claims ownership of Registrations Nos. 38,957, 38,916, and 274,619.
FOR LIQUID PREPARATIONS FOR TREATMENT OF COLDS, HEADACHES, NEURALGIA, MUSCULAR ACHES AND PAINS AND FOR REDUCING FEVER DUE TO COLDS, AND FOR CHECKING CHILLS AND FEVER DUE TO MALARIA; NOSE DROPS; COLD TABLETS; AND SALVE FOR AIDING AND RELIEVING DISCOMFORTS OF COLDS AND AS A DRESSING FOR BURNS, SCALDS, BRUISES AND SUNBURN.
Claims use since Sept. 1, 1901.

Ser. No. 563,980. POND'S EXTRACT COMPANY, New York, N. Y. Filed Mar. 19, 1948. Under section 2f of the act of 1946.

Lips

Applicant claims ownership of Registration No. 391,549.
FOR LIPSTICKS.
Claims use since July 29, 1940.

Ser. No. 565,419. CUTTER LABORATORIES, Berkeley, Calif. Filed Sept. 18, 1948.

HYPERCILLIN

FOR PROCAINE PENICILLIN G IN SESAME OIL WITH ALUMINUM MONOSTEARATE.
Claims use since Apr. 16, 1948.

Ser. No. 565,553. KLAUER-WHITE, San Antonio, Tex. Filed Sept. 21, 1948.



FOR INSECTICIDES.
Claims use since Jan. 16, 1948.

Ser. No. 565,663. ROY J. TROUTMAN, doing business as Seko Products Co., Shamokin, Pa. Filed Sept. 22, 1948.

Seko

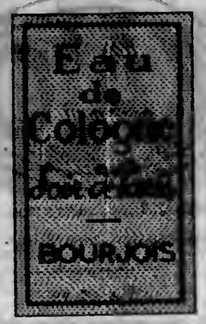
FOR COUGH SYRUP.
Claims use since Sept. 11, 1948.

Ser. No. 566,403. BOURJOIS, INC., New York, N. Y. Filed Oct. 6, 1948. Under section 2f of the act of 1946 as to "Bourjois."



No claim is made to the exclusive right to the use of the word "Paris" apart from the mark as shown. The drawing is lined to indicate the colors blue and silver.
Applicant claims ownership of Registrations Nos. 389,047, 255,826, 412,982, 120,330, 340,594, and 340,595.
FOR PERFUME.
Claims use since 1929.

Ser. No. 566,604. BOURJOIS, INC., New York, N. Y. Filed Oct. 6, 1948. Under section 2f of the act of 1946 as to the word "Bourjois."



No claim is made to the exclusive right to the use of the words "Paris" and "Eau de Cologne" and the outline of the label apart from the mark as shown. The printed matter and the rectangular design are shown in blue color on a silver background. Applicant claims ownership of Registrations Nos. 389,047, 255,826, 412,982, and 120,330.
FOR EAU DE COLOGNE.
Claims use since 1929.

Ser. No. 566,930. HAAB-MILLER CORPORATION, Philadelphia, Pa. Filed Oct. 13, 1948.

WET AN SCOUR

FOR FATTY ACID CONDENSATE FOR WETTING OUT AND SCOURING TEXTILE FABRICS.
Claims use since June 1, 1947.

Ser. No. 566,999. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed Oct. 14, 1948.

NCG

The drawing is lined to indicate yellow.
FOR CHEMICAL FLUXES AND COMPRESSED GASES INCLUDING OXYGEN, NITROGEN, HYDROGEN, CARBON DIOXIDE, HELIUM, AIR, NITROUS OXIDE, HYDROCARBONS, AND VARIOUS MIXTURES OF THE FOREGOING GASES.
Claims use since November 1946.

Ser. No. 567,048. SCHENLEY LABORATORIES, INC., New York, N. Y. Filed Oct. 15, 1948.

Two-Five-O

FOR PENICILLIN TABLETS COMPOSED OF UNITS OF CRYSTALLINE PENICILLIN G POTASSIUM BUFFERED WITH CALCIUM CARBONATE.
Claims use since Aug. 25, 1948.

Ser. No. 567,150. PINE-O-PINE COMPANY OF TEXAS, Houston, Tex. Filed Oct. 18, 1948.

Melody IN Water

FOR BATH WATER PERFUME LOTION.
Claims use since Aug. 1, 1948.

Ser. No. 567,209. REED & CARNRICK, Jersey City, N. J. Filed Oct. 19, 1948.

Zymocide

Applicant claims ownership of Registration No. 20,193.
FOR PHARMACEUTICAL PREPARATION FOR USE AS AN ORAL AND TOPICAL CLEANSER, REFRESHANT, AND DEODORANT.
Claims use since June 20, 1890.

Ser. No. 573,954. LANMAN & KEMP-BARCLAY & CO., INCORPORATED, New York, N. Y. Filed Feb. 16, 1949. Under section 2f of the act of 1946.

FLORIDA WATER

Applicant claims ownership of Registration No. 503,202.
FOR TOILET WATER RECOMMENDED FOR REFRESHING AND SCENTING THE SKIN; FOR MASSAGING THE BODY; FOR USE AS A PERSONAL DEODORANT AND FOR DEODORIZING PREMISES; AS A BEFORE- AND AFTER-SHAVE LOTION; FOR INSECT BITES; AND AS A HAIR LOTION.
Claims use since 1830.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 546,103. ILLINOIS WATCH CASE CO., Elgin, Ill. Filed Jan. 3, 1948. Under section 2f of the act of 1946.

Elgin Smoker

No registration rights to the word "Smoker" are claimed except in the association shown. Applicant claims ownership of Registrations Nos. 205,407, 277,594, 283,018, 304,727, and 422,410.
FOR SMOKING SETS—VIZ., PIPE RACKS, ASH TRAYS, HUMIDORS, AND LIGHTERS.
Claims use since Feb. 29, 1924.

Ser. No. 554,112. HAMPDEN SALES ASSOCIATION, INC., New York, N. Y. Filed Apr. 8, 1948.

Cafe Society

FOR CIGARETTE CASES.
Claims use since April 1945.

CLASS 10

FERTILIZERS

Ser. No. 529,851. ARMOUR AND COMPANY, Chicago, Ill. Filed July 29, 1947.



FOR FERTILIZER.
Claims use since 1919.

Ser. No. 538,114. FRED O. ENGLS, doing business as Englewood Farm-Nursery, Muskegon, Mich. Filed Oct. 17, 1947.

CIN-A-GRO

FOR HUMUS MIXTURE FOR SOIL IMPROVEMENT.
Claims use since Apr. 10, 1947.

Ser. No. 540,827. KALO INOCULANT COMPANY, Quincy, Ill. Filed Nov. 12, 1947.

KALO

FOR BACTERIAL INOCULANTS FOR LEGUMINOUS PLANTS.
Claims use since 1932.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 519,833. THE F. C. RUSSELL COMPANY, Cleveland, Ohio. Original filed Mar. 29, 1947, under the act of 1905; amended to application under act of 1946, May 21, 1948.

THERMOLOK

FOR ADJUSTABLE STORM WINDOWS AND ADJUSTABLE COMBINATION STORM AND SCREEN WINDOWS.
Claims use since Jan. 20, 1947.

Ser. No. 528,204. THE FORMICA INSULATION COMPANY, Cincinnati, Ohio, now by change of name The Formica Company, a corporation of Ohio. Filed July 9, 1947. Under section 2f of the act of 1946.

REALWOOD

Applicant claims ownership of Registration No. 367,732.
FOR DECORATIVE LAMINATED PANELING FOR WAINSCOATING FURNITURE, COUNTERS, DOORS, SODA FOUNTAINS, AND WALL COVERING PANELS FOR BUILDINGS, BUSES, TRAINS, AND SHIPS.
Claims use since Dec. 15, 1937.

Ser. No. 543,231. STANDARD CLAY PRODUCTS COMPANY, INC., Philadelphia, Pa. Filed Dec. 3, 1947.



The representation of a fire-brick is disclaimed apart from the mark.
FOR FIRE BRICKS.
Claims use since Feb. 1, 1935.

Ser. No. 543,233. STANDARD CLAY PRODUCTS COMPANY, INC., Philadelphia, Pa. Filed Dec. 3, 1947.



The representation of a fire-brick is disclaimed.
FOR FIRE BRICKS.
Claims use since Feb. 1, 1935.

Ser. No. 543,797. CURTIS COMPANIES INCORPORATED, Clinton, Iowa. Filed Dec. 9, 1947. Under section 2f of the act of 1946.

Pre-Fit

Applicant claims ownership of Registration No. 308,213.
FOR WINDOW FRAMES, WINDOWS, AND PARTS THEREOF, AND TRIM FOR DOOR OPENINGS AND OTHER OPENINGS IN BUILDINGS REQUIRING TRIM.
Claims use since October 1931.

Ser. No. 548,932. CONCRETE PIPE & PRODUCTS CO. INC., Richmond, Va. Filed Feb. 6, 1948.

Paracrete

FOR CONCRETE PRODUCTS—NAMELY, PLAIN AND REINFORCED CONCRETE PIPE, CONCRETE PIPE FITTINGS—NAMELY, WYES AND TEES—DRAIN TILE, MASONRY BUILDING BLOCKS.
Claims use since Sept. 15, 1946.

Ser. No. 549,231. THE CLAYCRAFT COMPANY, Columbus, Ohio. Filed Feb. 10, 1948. Under section 2f of the act of 1946.

Claycraft

FOR CERAMIC PRODUCTS—NAMELY, BRICK AND TILE.
Claims use since Jan. 1, 1922.

Ser. No. 554,811. PARICHY ROOFING AND SHINGLE COMPANY, Forest Park, Ill. Filed Apr. 16, 1948.



The word "Tile" is disclaimed.
FOR ROOFING TILES.
Claims use since Sept. 15, 1945.

Ser. No. 557,228. HAROLD R. TREGILGAS, South St. Paul, Minn. Filed May 17, 1948.

INSOL

FOR INSULATED CONCRETE BUILDING BLOCK.
Claims use since Aug. 1, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 497,892. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass. Original filed Mar. 8, 1946, under the act of 1905; amended to application under act of 1946, Oct. 6, 1947.

DOT

Applicant claims ownership of Registrations Nos. 276,809, 276,810, 121,544, and 127,721.
FOR FASTENERS, CONNECTORS AND ATTACHING DEVICES OF VARIOUS TYPES USED IN HOUSEHOLD, CONSTRUCTION AND INDUSTRIAL ARTS FOR MOUNTING AND CONNECTING VARIOUS PARTS WHETHER OF FABRIC, WOOD, METAL OR FIBERBOARD—NAMELY, SEPARABLE SNAP FASTENERS AND COMPONENT PARTS THEREOF, SCREW THREAD FASTENERS AND COMPONENT PARTS THEREOF, ROTARY STUD FASTENERS, RIVETS, GROMMETS, METALLIC WASHERS, RETAINING FASTENERS FOR CONSTRUCTION PANELS, PLUG BUTTONS; AND RETAINING FASTENERS FOR TUBING, STAMPED METAL KEY-HOLDERS AND METAL MOLDINGS.
Claims use since Aug. 15, 1913.

Ser. No. 518,719. THE FERRY CAP & SET SCREW COMPANY, Cleveland, Ohio. Original filed Mar. 8, 1947, under the act of 1905; amended to application under act of 1946, Mar. 8, 1948. Under section 2f of the act of 1946.

Shinyheads

No claim is made to the representation of the goods apart from the mark as shown.
FOR CAP SCREWS.
Claims use since June 25, 1938.

Ser. No. 533,629. STAR EXPANSION BOLT COMPANY, New York, N. Y. Filed Sept. 6, 1947. Under section 2f of the act of 1946.

★STAR SCRUIN

Applicant claims ownership of Registrations Nos. 42,909 (renewed), 275,882, and 391,079.
FOR BOLT ANCHORS.
Claims use since June 1, 1939.

Ser. No. 533,630. STAR EXPANSION BOLT COMPANY, New York, N. Y. Filed Sept. 6, 1947. Under section 2f of the act of 1946.

★STAR CLOSIN

Applicant claims ownership of Registrations Nos. 42,909, 382,165, and 391,079.
FOR EXPANSION SHIELDS.
Claims use since June 1, 1939.

Ser. No. 533,631. STAR EXPANSION BOLT COMPANY, New York, N. Y. Filed Sept. 6, 1947. Under section 2f of the act of 1946.

★STAR TAMPIN

Applicant claims ownership of Registrations Nos. 42,909, 300,334, and 391,079.
FOR EXPANSION SHIELDS.
Claims use since June 1, 1939.

Ser. No. 533,632. STAR EXPANSION BOLT COMPANY, New York, N. Y. Filed Sept. 6, 1947. Under section 2f of the act of 1946.

★STAR STAZIN

Applicant claims ownership of Registrations Nos. 42,909, 378,690, and 391,079.
FOR EXPANSION SHIELDS.
Claims use since June 1, 1939.

Ser. No. 533,633. STAR EXPANSION BOLT COMPANY, New York, N. Y. Filed Sept. 6, 1947. Under section 2f of the act of 1946.

★STAR SPRINGIN

Applicant claims ownership of Registrations Nos. 42,909, 286,799, and 391,079.
FOR TOGGLE BOLTS AND PARTS THEREOF.
Claims use since June 1, 1939.

Ser. No. 533,634. STAR EXPANSION BOLT COMPANY, New York, N. Y. Filed Sept. 6, 1947. Under section 2f of the act of 1946.

★STAR SNAPIN

Applicant claims ownership of Registrations Nos. 42,909, 382,167, and 391,079.
FOR TOGGLE BOLTS.
Claims use since June 1, 1939.

Ser. No. 539,090. SHEFFIELD STEEL CORPORATION, Kansas City, Mo. Filed Oct. 25, 1947. Under section 2f of the act of 1946.

SHEFFIELD

FOR WIRE FENCE.
Claims use since Apr. 1, 1928.

Ser. No. 542,979. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill. Filed Dec. 2, 1947.



Applicant claims ownership of Registration No. 505,786.
FOR SOAP DISPENSERS; VALVES AND TANKS FOR DISPENSING SOAP.
Claims use since 1920.

Ser. No. 545,869. MEIER-JOHAN-WENGLER CO., Cincinnati, Ohio. Filed Dec. 31, 1947.

CENTURY

FOR CEMETERY FLOWER VASES CONSTRUCTED OF BRONZE.
Claims use since Sept. 23, 1947.

Ser. No. 547,676. STEEL FORGINGS, INC., Shreveport, La. Filed Jan. 21, 1948.

FLEET-LINE

The word "Line" is disclaimed apart from the mark FOR PIPE SADDLES.
Claims use since Nov. 26, 1947.

Ser. No. 548,866. SIGNODE STEEL STRAPPING COMPANY, Chicago, Ill. Filed Feb. 5, 1948.

SIGNODE

Applicant claims ownership of Registrations Nos. 116,691, 116,692, 116,862, 116,863, 161,624, 397,725, and 399,088.
FOR ANCHOR PLATES, WALL CLEATS, STAYS AND STAPLES FOR PACKAGE, BUNDLE, AND LOAD BINDING STRAPPING; CORNER PROTECTORS FOR STRAP BOUND PACKAGES, BUNDLES, AND LOADS; AND COMPOSITION PADS AND METALLIC BINDER-SNUBBING PLATES FOR CONTROLLING, DURING TRANSIT, THE MOVEMENT OF LOAD UNITS RELATIVE TO THE VEHICLE, SUCH AS A RAILWAY CAR.
Claims use since Mar. 1, 1939.

Ser. No. 548,869. SIGNODE STEEL STRAPPING COMPANY, Chicago, Ill. Filed Feb. 5, 1948.



The word "System" is disclaimed, apart from the trademark. Applicant claims ownership of Registrations Nos. 116,691, 116,692, 116,862, 116,863, 161,624, 397,725, and 399,088.
FOR PACKAGE, BUNDLE AND LOAD BINDING STRAPPING; ANCHOR PLATES, WALL CLEATS, STAYS AND STAPLES FOR PACKAGE, BUNDLE AND LOAD BINDING STRAPPING; CORNER PROTECTORS FOR PACKAGES, BUNDLES AND LOADS; AND COMPOSITION PADS AND METALLIC BINDER-SNUBBING PLATES FOR CONTROLLING, DURING TRANSIT, THE MOVEMENT OF LOAD UNITS RELATIVE TO THE VEHICLE, SUCH AS A RAILWAY CAR.
Claims use since Aug. 1, 1947.

Ser. No. 549,360. BUFFALO METER COMPANY, Buffalo, N. Y. Filed Nov. 17, 1947. Under section 2f of the act of 1946.

NIAGARA

Applicant claims ownership of Registration No. 240,325.
FOR LIQUID STRAINERS, ENCLOSED TYPE WITH INLET AND OUTLET OPENINGS FOR USE ON LIQUID TRANSMISSION LINES.
Claims use since Jan. 30, 1926.

Ser. No. 549,361. BUFFALO METER COMPANY, Buffalo, N. Y. Filed Nov. 17, 1947. Under section 2f of the act of 1946.

NIAGARA

Applicant claims ownership of Registration No. 248,878.
FOR AIR-RELEASE VALVES FOR INSTALLATION ON LIQUID-TRANSMISSION LINES.
Claims use since July 19, 1927.

Ser. No. 549,810. KENNEY MANUFACTURING COMPANY, Cranston, R. I. Filed Feb. 16, 1948.

Kenerest

Applicant claims ownership of Registration No. 190,164.
FOR METAL CURTAIN RODS, DRAPERY HARDWARE, AND WINDOW SHADE HARDWARE.
Claims use since Jan. 14, 1948.

Ser. No. 550,968. TRITEST SCREW PRODUCTS CORP., Chicago, Ill. Filed Mar. 1, 1948.

TRITEST
TEST FOR QUALITY

The words "Test for Quality" are disclaimed.
FOR SCREWS, NUTS, AND BOLTS.
Claims use since Dec. 1, 1947.

Ser. No. 551,943. C. F. CHURCH MFG. CO., Chicopee and Willimansett, Chicopee, Mass. Filed Mar. 15, 1948.

REGAL

FOR BATHROOM FIXTURES—NAMELY, SEATS, COVERS, AND HINGES FOR THE SEATS AND COVERS OF TOILETS.
Claims use since 1931.

Ser. No. 551,947. C. F. CHURCH MFG. CO., Willimansett, Chicopee, Mass. Filed Mar. 15, 1948.

MOLTEX

Applicant claims ownership of Registration No. 360,580.
FOR BATHROOM FIXTURES—NAMELY, SEATS, COVERS, AND HINGES FOR THE SEATS AND COVERS OF TOILETS.
Claims use since Feb. 25, 1938.

Ser. No. 554,351. AMERICAN CABINET HARDWARE CORPORATION, ROCKFORD, ILLINOIS, Rockford, Ill. Filed Apr. 12, 1948.

Stratoline

FOR CABINET HARWARE—NAMELY, DOOR PULLS AND CATCHES, KNOBS, AND HINGES.
Claims use since February 1946.

Ser. No. 554,352. AMERICAN CABINET HARDWARE CORPORATION, ROCKFORD, ILLINOIS, Rockford, Ill. Filed Apr. 12, 1948.

Streamlux

FOR CABINET HARWARE—NAMELY, DOOR PULLS AND CATCHES, KNOBS, AND HINGES.
Claims use since December 1940.

CLASS 15

OILS AND GREASES

Ser. No. 519,361. UNION SUPPLY COMPANY, Pittsburgh, Pa. Original filed Mar. 20, 1947, under the act of 1920; amended to application under act of 1946, Dec. 8, 1947.

USCO

FOR MOTOR FUEL OIL, GASOLINE, AND LUBRICATING GREASES.
Claims use since Jan. 1, 1936.

Ser. No. 526,831. THE PURE OIL COMPANY, Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

PUROTURBINE

Applicant claims ownership of Registration No. 318,661.
FOR MINERAL LUBRICATING OILS FOR LUBRICATING TURBINES.
Claims use since Feb. 15, 1937.

Ser. No. 527,267. THE PURE OIL COMPANY, Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

PURELITE

Applicant claims ownership of Registrations Nos. 290,772, 259,036, and 403,615.
FOR HYDROCARBON BURNING OILS, ILLUMINATING OILS, AND KEROSENE.
Claims use since 1906.

Ser. No. 527,855. THE PURE OIL COMPANY, Chicago, Ill. Filed July 5, 1947.

PURITAN

Applicant claims ownership of Registrations Nos. 366,313 and 108,025.
FOR LUBRICATING OIL AND GREASE, FUEL OIL, BURNING OIL, AND NAPHTHA.
Claims use since May 1, 1903.

Ser. No. 540,177. CORN BELT OIL COMPANY, Peoria, Ill. Filed Nov. 5, 1947.



FOR MOTOR LUBRICATING OIL.
Claims use since Feb. 11, 1946.

Ser. No. 551,323. SINCLAIR REFINING COMPANY, New York, N. Y. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

GRATIOT

Applicant claims ownership of Registration No. 271,311.
FOR LUBRICATING OILS.
Claims use since Dec. 29, 1926.

Ser. No. 555,412. E. F. HOUGHTON & CO., Philadelphia, Pa. Filed Apr. 28, 1948.

MAR-TEMP

No claim is made to the word "Temp" apart from the mark as shown.
FOR QUENCHING AND TEMPERING OILS.
Claims use since May 1, 1945.

Ser. No. 556,437. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 7, 1948.

GOODYEAR

FOR LUBRICATING OIL AND PENETRATING OIL.
Claims use on lubricating oil since Sept. 29, 1938; and on penetrating oil since Oct. 14, 1944.

Ser. No. 560,227. RYERSON OIL CO., INC., New York, N. Y. Filed June 25, 1948.

RYERDEX

FOR LUBRICATING WAX, GREASE, AND OIL FOR MACHINE PARTS.
Claims use since June 11, 1948.

Ser. No. 560,228. RYERSON OIL CO., INC., New York, N. Y. Filed June 25, 1948.

RYERSOL

FOR LUBRICATING WAX, GREASE, AND OIL FOR MACHINE PARTS.
Claims use since June 11, 1948.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 517,704. O'BRIEN VARNISH COMPANY, South Bend, Ind., now by change of name The O'Brien Corporation. Original filed Feb. 19, 1947, under the act of 1905; amended to application under act of 1946, Sept. 27, 1947. Under section 2f of the act of 1946.

O'BRIEN'S

FOR READY MIXED PAINT; PAINT ENAMELS; PAINT ENAMEL UNDERCOATS; READY MIXED INTERIOR PAINTS; READY MIXED EXTERIOR PAINTS; PAINT OILS; LIQUID PAINT AND VARNISH REMOVER; VARNISHES; LIQUID FINISHES FOR WOOD FLOORS—NAMELY, VARNISHES, FILLERS, OIL STAINS, SYNTHETIC CLEAR COATINGS HAVING ALKYD RESIN BASE AND BEING ADAPTED FOR APPLICATION BY BRUSH, SPRAY OR DIP, AND PIGMENTED FLOOR ENAMELS; LIQUID FILLERS AND SURFACERS FOR WOOD FLOORS; WOOD STAIN; OIL PAINTS; VARNISH STAINS; SIGN PAINTER PAINTS; ASPHALTUM PAINT; BRONZING LIQUID; PAINT DRYERS; LACQUERS; PAINT PRIMERS; PAINT, VARNISH, LACQUER AND SYNTHETIC ENAMEL THINNERS; AND TRANSPARENT GLAZING LIQUIDS FOR APPLICATION OVER AN OPAQUE WALL PAINT.
Claims use since 1910.

Ser. No. 520,033. HIOLEY CHEMICAL COMPANY, Dubuque, Iowa. Original filed Apr. 2, 1947, under the act of 1905; amended to application under act of 1946, Dec. 4, 1948. Under section 2f of the act of 1946.

Terra-Tone

No claim is made to the word "Tone" apart from the mark as shown.
FOR PENETRATING LIQUID HAVING NORMALLY SOLID SEALING MATERIAL DISSOLVED IN A VOLATILE SOLVENT FOR APPLICATION TO TERRAZZO AND MAGNESITE SURFACES.
Claims use since June 2, 1932.

Ser. No. 520,652. STALPIC COATING CORPORATION, Chicago, Ill. Original filed Apr. 14, 1947, under the act of 1905; amended to application under act of 1946, Jan. 6, 1949.

STALPIC

FOR RESINOUS PLASTIC SOLUTION USED AS PROTECTIVE COATING OR LININGS FOR INTERIORS AND EXTERIORS OF TANKS, PIPES AND MACHINERY TO RESIST CORROSIVE AND EROSIVE ACTION AND OXIDATION.
Claims use since Mar. 20, 1947.

Ser. No. 537,448. GERTS AND COOK, INC., Los Angeles, Calif. Filed Oct. 10, 1947.

"Linoleum Louie"



"I'll Floor You"

No claim is made to the word "Linoleum" or the expression "I'll Floor You."
FOR FLOOR WAX.
Claims use since April 1947.

Ser. No. 540,323. SEIDLITZ PAINT & VARNISH COMPANY, Kansas City, Mo. Filed Nov. 6, 1947. Under section 2f of the act of 1946.

SEIDLITZ

"Best By Test"

The words "Best By Test" are disclaimed apart from the mark. Applicant claims ownership of Registration No. 316,392.
FOR PAINT IN PASTE OR SEMI-PASTE FORM, VARNISH, AND LACQUER.
Claims use since May 1, 1931.

Ser. No. 540,605. MORRIS PAINT & VARNISH CO., St. Louis, Mo. Filed Nov. 10, 1947.

SAN-PLAS

FOR PLASTIC WALL FINISH IN THE NATURE OF A PAINT.
Claims use since May 7, 1947.

Ser. No. 541,449. REPUBLIC PAINT & VARNISH CO., Chicago, Ill. Filed Nov. 17, 1947.

SHLAX

FOR QUICK DRYING FINISH FOR BARE WOOD SURFACES OR WOOD SURFACES PREVIOUSLY FINISHED WITH SHELLAC, IN THE NATURE OF A SHELLAC SUBSTITUTE.
Claims use since Oct. 28, 1942.

Ser. No. 558,024. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed May 1, 1948.

LAVAX

Applicant claims ownership of Registration No. 244,911.
FOR PAINT ENAMELS, VARNISHES, AND READY MIXED PAINTS.
Claims use since July 8, 1927.

Ser. No. 557,041. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y. Filed May 14, 1948.

INTER-PLAST

FOR READY-MIXED PAINTS, ENAMELS, VARNISHES AND SOLVENTS THEREFOR, AND PASTE PAINTS.
Claims use since Apr. 27, 1948.

Ser. No. 557,043. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y. Filed May 14, 1948.

INTER-TEK

FOR READY-MIXED PAINTS, ENAMELS, VARNISHES, AND SOLVENTS THEREFOR, AND PASTE PAINTS.
Claims use since Apr. 27, 1948.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 525,427. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Original filed July 1, 1947, under the act of 1905; amended to application under act of 1946, Feb. 25, 1948.



The portrait is that of William B. Taylor, Sr., now deceased, and one of the founders of the company. Applicant claims ownership of Registration No. 200,838.
FOR PLUG, TWIST, AND SMOKING TOBACCO.
Claims use since June 1, 1925.

Ser. No. 525,428. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Original filed July 1, 1947, under the act of 1905; amended to application under act of 1946, Feb. 25, 1948.



The drawing is lined to indicate the color red.
FOR PLUG, TWIST, AND SMOKING TOBACCO.
Claims use since Jan. 1, 1900.

Ser. No. 533,808. JOSE ESCALANTE & CO., Chicago, Ill. Filed Sept. 3, 1947.

STRAUS' NUMBER 9

Henry Straus is the name of a deceased person. The words "Straus" and "Henry Straus" and a representation of a cigar are disclaimed.
FOR CIGARS.
Claims use since 1910.

Ser. No. 546,885. SUTLIFF TOBACCO COMPANY, San Francisco, Calif. Filed Jan. 13, 1948. Under section 2f of the act of 1946.

SUTLIFF'S

FOR SMOKING TOBACCO.
Claims use since 1849.

Ser. No. 553,061. THE AMERICAN TOBACCO COMPANY, New York, N. Y. Filed Mar. 26, 1948.

VETERAN

FOR SMOKING TOBACCO.
Claims use since Aug. 17, 1880.

Ser. No. 553,906. ROTHENBERG & SCHLOSS CIGAR COMPANY, Kansas City, Mo. Filed Apr. 5, 1948.

CHESTER ARMS

Applicant claims ownership of Registration No. 250,291.
FOR CIGARS, SMOKING, AND CHEWING TOBACCO.
Claims use since Aug. 4, 1914.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 518,905. PFANSTIEHL CHEMICAL COMPANY, doing business as Pfanstiehl Chemical Co., Chicago and Waukegan, Ill. Original filed Mar. 12, 1947, under the act of 1905; amended to application under act of 1946, Sept. 23, 1947.

Pfanstiehl

FOR RESISTANCE TYPE PICK-UP ELEMENTS OF THE CHARACTER USED IN PHONOGRAPH PICKUPS TO TRANSLATE MECHANICAL VARIATIONS.
Claims use since Feb. 20, 1947.

Ser. No. 519,662. IDEAL INDUSTRIES, INC., Sycamore, Ill. Original filed Mar. 27, 1947, under the act of 1905; amended to application under act of 1946, Dec. 30, 1947. Under section 2f of the act of 1946.

THERMO-GRIP

FOR ELECTRICAL BRAZING, WELDING, AND SOLDERING EQUIPMENT COMPRISED OF TRANSFORMERS, CONDUCTORS, ELECTRODE HOLDERS, HANDLES FOR ELECTRODE HOLDERS, PERMANENT ELECTRODES, SWITCHES, AND PARTS THEREOF.
Claims use since May 15, 1936.

Ser. No. 536,211. AIRCRAFT-MARINE PRODUCTS INC., Harrisburg, Pa. Filed Sept. 30, 1947. Under section 2f of the act of 1946.

AMP

The shading represents a series of parallel lines forming a background for the letters constituting the mark. Applicant claims ownership of Registration No. 405,714.
FOR ELECTRICAL CONNECTORS AND CONNECTOR FORMING BLANKS SOLD AS SUCH AND WHICH ARE APPLIED TO CONDUCTORS, TERMINALS, AND THE LIKE TO PRODUCE A SOLDERLESS ELECTRICAL CONNECTION.
Claims use since the last week of 1941.

Ser. No. 547,125. INDUSTRIAL TELEVISION, INC., Clifton, N. J. Filed Jan. 15, 1948.



FOR TELEVISION RECEIVERS.
Claims use since Apr. 1, 1947.

Ser. No. 540,691. AMERICAN ASSOCIATES, INC., Wilmington, Del., and Providence, R. I. Filed Feb. 14, 1948.

amOZONer

FOR ELECTRIC-OZONIZER AIR PURIFYING APPARATUS.
Claims use since Jan. 23, 1948.

Ser. No. 550,674. COPLEY APPLIANCE COMPANY, South Boston, Mass. Filed Feb. 27, 1948.

SCRIBE-A-LITE

The term "Lite" is disclaimed apart from the mark as shown.
FOR ELECTRICALLY-ILLUMINATED DISPLAY AND ADVERTISING SIGNS.
Claims use since Dec. 10, 1947.

Ser. No. 551,419. WATERBURY COMPANIES, INCORPORATED, Waterbury, Conn. Filed Mar. 6, 1948. Under section 2f of the act of 1946.

HANDY

FOR ELECTRICAL ATTACHMENT PLUGS.
Claims use since Jan. 1, 1938.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 506,074. UNITED SPECIALTIES COMPANY, Chicago, Ill. Original filed July 22, 1946, under the act of 1905; amended to application under act of 1946, May 15, 1948.



The words "Wee Wheelers" are disclaimed.
FOR CHILDREN'S SCOOTERS AND WHEELBARROWS.
Claims use since June 17, 1946.

Ser. No. 538,668. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Oct. 22, 1947.



FOR TENNIS RACKETS AND BADMINTON RACKETS.
Claims use since 1907.

Ser. No. 541,073. FLOYD O. BOWERS, Lansing, Mich. Filed Nov. 14, 1947.



The drawing is lined for the colors blue and red.
FOR GAME BOARD ON WHICH MAY BE PLAYED A GAME SIMULATING AN AUTOMOBILE TRIP.
Claims use since Apr. 15, 1946.

Ser. No. 543,589. FRANKLIN MANUFACTURING CO., INC., Brockton, Mass. Filed Dec. 6, 1947.

DIAPER BOWL CHAMP

FOR TOY FOOTBALLS AND FOOTBALLS.
Claims use since Apr. 17, 1947.

Ser. No. 543,591. FRANKLIN MANUFACTURING CO., INC., Brockton, Mass. Filed Dec. 6, 1947.

GRIDIRON CHAMP

FOR TOY FOOTBALLS AND FOOTBALLS.
Claims use since Apr. 17, 1947.

Ser. No. 543,592. FRANKLIN MANUFACTURING CO., INC., Brockton, Mass. Filed Dec. 6, 1947.

JUNIOR TOUCH CHAMP

FOR TOY FOOTBALLS AND FOOTBALLS.
Claims use since Apr. 17, 1947.

Ser. No. 543,594. FRANKLIN MANUFACTURING CO., INC., Brockton, Mass. Filed Dec. 6, 1947.

TOUCH CHAMP

FOR TOY FOOTBALLS AND FOOTBALLS.
Claims use since Apr. 17, 1947.

Ser. No. 549,752. POLORON PRODUCTS, INC., New Rochelle, N. Y. Filed Feb. 14, 1948.

SKED

FOR COASTING VEHICLE PROVIDED WITH SNOW RUNNERS ON WHICH USER IS ADAPTED TO STAND.
Claims use since Feb. 6, 1948.

Ser. No. 550,763. WELSH CO., St. Louis, Mo. Filed Feb. 27, 1948.

TRAVEL TYKE

FOR BABY SWINGS.
Claims use since June 20, 1947.

Ser. No. 551,847. ARCO PLAYING CARD COMPANY, Chicago, Ill. Filed Mar. 13, 1948.

Duratone

FOR PLAYING CARDS.
Claims use since December 1942.

Ser. No. 555,552. GEORGE E. MOSELEY, INC., New York, N. Y. Filed Apr. 24, 1948.

KING-O-BALL

The word "Ball" is disclaimed.
FOR INFLATABLE BALLS.
Claims use since Jan. 22, 1948.

Ser. No. 555,689. THE OAK RUBBER COMPANY, Ravenna, Ohio. Filed Apr. 27, 1948.

BALLOONIE

FOR TOY BALLOON ANIMALS.
Claims use since Feb. 17, 1948.

Ser. No. 556,241. BAYSHORE INDUSTRIES, INC., Elkton, Md. Filed May 5, 1948.

FIRECRACKER

FOR TOY RUBBER BALLOONS.
Claims use since Aug. 7, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 501,550. BERNARD A. WINTER, doing business under the firm name of Winter Manufacturing Company, Tacoma, Wash. Original filed May 6, 1946, under the act of 1905; amended to application under act of 1946, Jan. 14, 1948.

MIGHTY MAN

FOR POWER OPERATED GARDEN TRACTORS.
Claims use since Apr. 23, 1946.

Ser. No. 505,504. LINCOLN ENGINEERING COMPANY, St. Louis, Mo. Original filed July 12, 1946, under the act of 1905; amended to application under act of 1946, July 5, 1947.

DRAINMOBILE

FOR PORTABLE APPARATUS FOR RECEIVING FLUID—NAMELY, PORTABLE CABINET ON CASTERS, EQUIPPED WITH A VERTICAL ADJUSTABLE FUNNEL FOR USE IN SERVICE STATIONS FOR THE DRAINING OF OIL FROM VEHICLES.
Claims use since November 1939.

Ser. No. 521,309. J. W. APPLEY & SON, INC., St. Petersburg, Fla. Original filed Apr. 25, 1947, under the act of 1905; amended to application under act of 1946, Nov. 4, 1947. Under section 2f of the act of 1946 as to "Appley."

APPLEY
LITTLE GIANT
VIBRATOR

The word "Vibrator" is disclaimed apart from the mark as shown.
FOR CONCRETE BLOCK MOLDING MACHINERY.
Claims use since July 16, 1938.

Ser. No. 527,144. LINCOLN ENGINEERING COMPANY, St. Louis, Mo. Filed July 5, 1947.

LUBRIGUN

Applicant claims ownership of Registrations Nos. 231,354 and 305,343.
FOR PORTABLE AND STATIONARY PUMPING APPARATUS FOR LUBRICANTS AND OTHER FLUIDS—NAMELY, LUBRICANT PUMPS, LUBRICANT GUNS, AND PRESSURE-FLUID DISTRIBUTION SYSTEMS.
Claims use since Nov. 9, 1925.

Ser. No. 527,771. DIXIE MACHINERY MANUFACTURING COMPANY, St. Louis, Mo. Filed July 5, 1947.

DIXIE

FOR HAMMERMILLS.
Claims use since 1927.

Ser. No. 545,489. L. A. KLING, JR., Chicago, Ill. Filed Dec. 26, 1947.



The stipling is for shading purposes only. No claim is made to the words "Home Protection" apart from the mark shown.
FOR MECHANICAL BURGLAR ALARMS, HAVING MECHANICAL SIRENS.
Claims use since Dec. 3, 1947.

Ser. No. 543,627. AMERICAN STEEL FOUNDRIES, Chicago, Ill. Filed Feb. 3, 1948.

HYDROLAIR

Applicant claims ownership of Registration No. 440,345.
FOR HYDRAULIC PRESSES.
Claims use since Mar. 20, 1946.

Ser. No. 540,075. HARRY J. JACOBSON, doing business as Industrial Pattern Works, Chicago, Ill. Filed Feb. 7, 1948.

DUPLICAST

FOR CORE BOXES AND DRYER SHELLS FOR THE SAND CASTING INDUSTRY.
Claims use since Sept. 8, 1947.

Ser. No. 552,535. DONALD WOOD, doing business under the name and style of Hill Cross Company, New York, N. Y. Filed Feb. 28, 1948.

KAPPA SNAPPA

FOR KITCHEN IMPLEMENT FOR REMOVING THE WIRE FROM THE TOPS OF MILK BOTTLES AND FOR REMOVING THE CAPS FROM MILK BOTTLES, JARS, TINS, BOXES, AND THE LIKE.
Claims use since Oct. 29, 1947.

Ser. No. 556,683. BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed Jan. 3, 1948. Under section 2f of the act of 1946.

BETHLEHEM

Applicant claims ownership of Registrations Nos. 145,570, 147,200, 151,430, 155,383, 171,606, 176,037, and 264,198.
FOR METAL WORKING PRESSES.
Claims use since April 1920.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 542,511. FRANK E. BATSCHELET, doing business as Fold-Away Products Company, Jersey Shore, Pa. Filed Nov. 28, 1947.

FOLD-AWAY

FOR LAUNDRY HANGERS IN THE FORM OF HORIZONTAL BARS SUSPENDED FROM THE CEILING BY RIGID FOLDING ARMS WITH CLOTHES LINES EXTENDING IN PARALLEL RELATION TO EACH OTHER BETWEEN THE BARS.
Claims use since 1938.

Ser. No. 553,714. THE KEY-TAG CHECKING SYSTEM COMPANY, Cleveland, Ohio. Filed Apr. 2, 1948.

COLLARIGHT

FOR SHIRT FINISHING APPLIANCES.
Claims use since Apr. 1, 1935.

Ser. No. 554,088. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Filed Apr. 8, 1948.

CLOVER FARM

FOR CLOTHESPINS.
Claims use since 1882.

CLASS 25

LOCKS AND SAFES

Ser. No. 548,077. HAROLD HOFFMAN, doing business as H. Hoffman Co., Chicago, Ill. Filed Jan. 27, 1948. Under section 2f of the act of 1946.

HOFFMAN

FOR KEYS, LOCKS, AND PARTS THEREOF INCLUDING LOCK TUMBLERS, CYLINDERS, SPRINGS, HANDLES, PICKS, CAMS, AND PAWLS.
Claims use since July 1927.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 509,133. BELL & GOSSETT COMPANY, Morton Grove, Ill. Original filed Sept. 16, 1946, under the act of 1905; amended to application under act of 1946, Aug. 15, 1947. Under section 2f of the act of 1946.

THERMO-FLO

FOR THERMOSTATICALLY CONTROLLED VALVES.
Claims use since Aug. 20, 1934.

Ser. No. 544,114. EDITH ROHRLICH, New York, N. Y. Filed Dec. 11, 1947.

"SEE-CURITY"

FOR EYE GLASS CASES.
Claims use since Dec. 9, 1947.

Ser. No. 544,505. BAILEY METER COMPANY, Cleveland, Ohio. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

BAILEY

Applicant claims ownership of Registration No. 334,388.
FOR MEASURING, CONTROLLING, AND REGULATING INSTRUMENTS, SYSTEMS, AND APPARATUS—NAMELY, RECORDERS, INDICATORS, INTEGRATORS,

REGULATORS AND CONTROLLERS OF COMBUSTION, OF PROCESSES AND OF FLUID FLOW AND CONDITIONS PERTINENT TO FLUIDS SUCH AS RATE OF FLOW, LEVEL, TEMPERATURE, AND PRESSURE; REMOTE RECORDING, INDICATING, INTEGRATING, CONTROLLING AND TELEMETERING INSTRUMENTS, ADJUSTABLE ORIFICES AND OTHER APPARATUS APPURTENANT TO SUCH INSTRUMENTS; AIR TRACER CONTOUR CONTROL AND DUPLICATING ATTACHMENTS; GAS ANALYZERS, INSTRUMENT AND CONTROL PANEL BOARDS, TIME CYCLE INSTRUMENTS AND CONTROLLERS, WEIGHING SCALES, AND ELECTRIC AND FLUID PRESSURE SELECTOR SWITCHES; PRESSURE TEMPERATURE LEVEL AND FLUID FLOW RESPONSIVE CONTROL VALVES; AND CHARTS PECULIAR TO THE OPERATION OF SAID INSTRUMENTS AND APPARATUS.
Claims use since January 1912.

Ser. No. 561,762. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed July 20, 1948.

EVEREADY

Applicant claims ownership of Registrations Nos. 137,045, 340,401, 340,911, 347,765, 348,463, 351,633, 377,580, 381,263, and 383,647.
FOR ANTI-FREEZE TESTERS.
Claims use since 1936.

Ser. No. 562,785. HERMAN B. LAYMON, doing business as World's Product Company, Spencer, Ind. Filed Aug. 4, 1948. Under section 2f of the act of 1946.

Laymon's

FOR SUN GLARE GOGGLES.
Claims use since Jan. 1, 1936.

Ser. No. 563,753. GIUSEPPE RATTI, Torino, Italy. Filed Aug. 19, 1948.

PERSOL

Applicant claims ownership of Italian Registration No. 58,891, dated Mar. 25, 1939.
FOR SPECTACLES, SPECTACLE FRAMES, SPECTACLE GLASSES, EYE-SHADES, MASKS AND PROTECTION GOGGLES, SPECTACLE AND OPTICAL ARTICLES, AND CASES THEREFOR.

Ser. No. 577,556. INTERNATIONAL CAMERA COMPANY, Chicago, Ill. Filed May 3, 1949.

TYNAR

FOR STILL CAMERAS, LENSES FOR CAMERAS, PHOTOGRAPHIC FILM SOLD IN CARTRIDGES.
Claims use since Jan. 5, 1949.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 528,966. THE WADSWORTH WATCH CASE COMPANY, Dayton, Ky. Filed July 19, 1947. Under section 2f of the act of 1946.

Wadsworth

Applicant claims ownership of Registrations Nos. 122,933, 243,816, 416,216, 416,475, and 416,945.
FOR WATCH CASES MADE OF OR COMPRISING PLATINUM, GOLD, SILVER, GOLD FILLED, STEEL, NICKEL, AND BRASS.
Claims use since June 2, 1916.

Ser. No. 544,540. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Dec. 17, 1947. Under section 2f of the act of 1946.

Goldclad

Applicant claims ownership of Registration No. 204,350.
FOR WATCHCASES.
Claims use since Jan. 1, 1924.

Ser. No. 556,454. KELBERT WATCH COMPANY, New York, N. Y. Filed May 7, 1948.

CHRONOLET

Applicant claims ownership of Registration No. 438,274.
FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS AND PARTS THEREOF.
Claims use since Apr. 9, 1948.

Ser. No. 556,627. ABE A. FRIEDMAN, Atlanta, Ga. Filed Aug. 5, 1948.

HOLLAND

Applicant claims ownership of Registration No. 410,407.
FOR WATCHES.
Claims use since Oct. 1, 1943.

Ser. No. 561,624. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed July 17, 1948. Under section 2f of the act of 1946.

PENTAGON

Applicant claims ownership of Registration No. 230,989.
FOR WATCHES, WATCH CASES, AND WATCH MOVEMENTS.
Claims use since September 1921.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 510,873. A. C. BECKEN CO., Chicago, Ill. Original filed Oct. 15, 1946, under the act of 1905; amended to application under act of 1946, May 1, 1948.

Treasureland

Applicant claims ownership of Registrations Nos. 270,042 and 274,664.

FOR DIAMOND RINGS, RING MOUNTINGS, AND WEDDING RINGS.

Claims use since July 5, 1946.

Ser. No. 534,086. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Sept. 11, 1947.



Applicant claims ownership of Registration No. 184,904.

FOR WRIST BANDS, BRACELETS AND CHAINS FOR WATCHES, CLASPS AND FASTENINGS THEREFOR, ALL MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METALS, WITH OR WITHOUT JEWELS, NOT INCLUDING WATCHES.

Claims use since August 1922.

Ser. No. 536,113. MARCEL BOUCHER ET CIE, New York, N. Y. Filed Sept. 29, 1947.

MARBOUX

FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, BROOCHES, BRACELETS, NECKLACES, PENDANTS, ORNAMENTAL PINS, EARRINGS, FINGER RINGS; AND COMPACTS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL.

Claims use since Mar. 1, 1937.

Ser. No. 541,493. L. G. BALFOUR COMPANY, Attleboro, Mass. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

BALFOUR

Applicant claims ownership of Registration No. 411,921.

FOR JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS; AND THE FOLLOWING ITEMS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL—NAMELY, EMBLEMS, BADGES, HOLLOW WARE, TROPHIES, LOVING CUPS, AND MEDALS.

Claims use since 1918.

Ser. No. 542,924. GRANAT BROS. INC., San Francisco, Calif. Filed Dec. 2, 1947.

Shopper Stopper

FOR FINGER RINGS, LOCKETS, BRACELETS, BROOCHES, NECKLACES, LAPEL PINS, BREAST PINS, COSTUME JEWELRY, COMPACTS AND CIGARETTE CASES MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL, SILVER PLATED FLATWARE AND HOLLOW WARE.

Claims use since Mar. 1, 1947.

Ser. No. 544,006. TREASURE CHEST CO., Brooklyn, N. Y. Filed Dec. 10, 1947.



FOR NOVELTY AND COSTUME JEWELRY—NAMELY, EARRINGS, CLIPS, AND ORNAMENTAL PINS.

Claims use since Jan. 2, 1947.

Ser. No. 544,718. THE FISHER SILVERSMITHS, INC., Jersey City, N. J., and New York, N. Y. Filed Dec. 18, 1947.

FLORAL

FOR HOLLOW AND FLAT SILVERWARE.

Claims use since Sept. 26 1947.

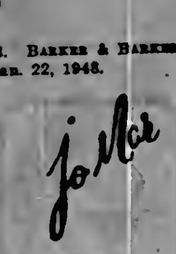
Ser. No. 546,619. THE SAMSAN COMPANY, Providence, R. I. Filed Jan. 9, 1948.

SA

FOR FINGER RINGS.

Claims use since 1934.

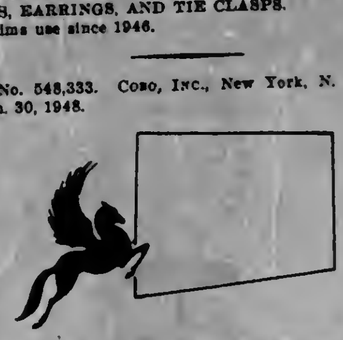
Ser. No. 547,693. BARKER & BARKER, INC., Providence, R. I. Filed Jan. 22, 1948.



FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, BROOCHES, PENDANTS, NECKLACES, CLIPS, EARRINGS, AND TIE CLASPS.

Claims use since 1946.

Ser. No. 548,333. CORO, INC., New York, N. Y. Filed Jan. 30, 1948.



Applicant claims ownership of Registrations Nos. 375,063, 427,417, and 428,993.

FOR NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME; BEADS, ORNAMENTAL PINS, HAT ORNAMENTS, HOLDERS FOR FACE POWDER, COMB CASES, AND JEWELRY INITIALS, AND PEARL NECKLACES, PEARL BRACELETS, PEARL EARRINGS, AND PEARL BROOCHES.

Claims use since June 1945.

Ser. No. 549,247. HICKOK MANUFACTURING CO. INC., Rochester, N. Y. Filed Feb. 10, 1948.

CROCODILE GRIP

The word "Grip" is disclaimed apart from the mark.

Applicant claims ownership of Registration No. 431,483.

FOR NECKTIE HOLDERS, COLLAR FASTENERS, BELT BUCKLES, MONEY HOLDERS, AND KEY HOLDERS, ALL MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METALS.

Claims use since July 12, 1946.

Ser. No. 549,248. HICKOK MANUFACTURING CO. INC., Rochester, N. Y. Filed Feb. 10, 1948. Under section 2f of the act of 1946.

HICKOK

Applicant claims ownership of Registration No. 338,625.

FOR JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, COLL
COLLAR HOLDERS OR BARS, LINGE
PENDER CLASPS, CUFF BUTTONS,
SHIRT STUDS, CRAVAT CLASPS, CRA
OF CHAIN TYPE, ORNAMENTAL
CRAVAT HOLDERS, ORNAMENTA
CRAVAT CLASPS AND HOLDERS, WA
WATCH CHAINS, COMBINED COLL
CRAVAT ORNAMENTS, KEY CHAIN
HOLDING MONEY, BILLS AND PAPER
BUTTONS; ORNAMENTAL POCKET
HANDLES THEREOF, INITIALS, MO
BLEMS INSIGNIA FOR PERSONAL W
WHOLE OF, IN PART OF OR PLATI
CIOUS METAL.

Claims use since September 1934 on
since March 1934 on collar holders or ba
ber 1932 on cravat clasps, on clasps for
lingerie, suspenders and the like, clips,
ornamental bars for cravat holders; sin
cuff buttons; since December 1934 on o
for cravat holders, on watch guards; sin
shirt studs, vest buttons, and on ornamen
for chains; since December 1933 on k
1910 on watch chains; since 1909 on o
monogram, emblem, or insignia articles;
1934 on combined collar bar and cravat

Ser. No. 549,256. HICKOK MANUFAC
Rochester, N. Y. Filed Feb. 10, 194

Live FL

Applicant claims ownership of Registr
FOR BELT BUCKLES, KEY CHAIN
CUFF LINKS, NECKTIE HOLDERS,
AND LAPEL BUTTONS, ALL MADE I
PART OF, OR PLATED WITH PREC
Claims use since May 20, 1948.

Ser. No 554,159. REED & BARTON, Tau
Apr. 8, 1948. Under section 2f of th

REED & BAR

FOR SILVERWARE—NAMELY, PL
LING HOLLOW-WARE AND FLATW
Claims use since 1840.

Ser. No. 554,160. REED & BARTON, Ta
Apr. 8, 1948. Under section 2f of th

Reed & Ba

FOR SILVERWARE—NAMELY, PL
LING HOLLOW-WARE AND FLATW
Claims use since 1840.

Ser. No. 555,253. LILLY DACHE, INC., New York, N. Y. Filed Apr. 22, 1948. Under section 2f of the act of 1946.

Lilly DACHE

The name shown in the drawing is the name of a living individual—namely, Lilly Dache, whose consent is of record.
FOR COSTUME JEWELRY.
Claims use since Mar. 1, 1923.

Ser. No. 558,705. THE ELLMORE SILVER COMPANY, INC., Meriden, Conn. Filed June 8, 1948. Under section 2f of the act of 1946.

Ellmore

Applicant claims ownership of Registration No. 410,268.
FOR STERLING SILVER FLATWARE, AND STERLINO SILVER AND SILVERPLATED HOLLOW WARE.
Claims use since Jan. 1, 1938.

Ser. No. 560,263. GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed June 26, 1948.

HUNT CLUB

FOR STERLING SILVER FLATWARE, HOLLOWWARE, AND TABLE CUTLERY.
Claims use since July 1930.

Ser. No. 560,368. VALJEAN PEARL CORP., Brooklyn, N. Y. Filed June 28, 1948.

Valjean

FOR PEARL NECKLACES AND EARRINOS.
Claims use since 1944.

Ser. No. 560,397. GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed June 29, 1948. Under section 2f of the act of 1946.

GORHAM PLAIN

No claim is made to the exclusive use of the word "Plain" apart from the mark as shown in the drawing.
Applicant claims ownership of Registrations Nos. 178,518, 54,331, and 54,763.
FOR STERLING SILVER FLATWARE AND TABLE CUTLERY.
Claims use since Mar. 1, 1933.

Ser. No. 561,640. PROGRESS JEWELRY MFG. CO., Providence, R. I. Filed July 17, 1948.

Quill

FOR LADIES' COSTUME JEWELRY CONSISTING OF NECKLACES, EARRINGS, BRACELETS, AND BROOCHES.
Claims use since June 2, 1948.

Ser. No. 561,744. GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed July 20, 1948.

Applicant claims ownership of Registration No. 37,939.
FOR SILVERPLATED WARE—NAMELY, SILVERPLATED FLATWARE, HOLLOWWARE, AND TABLE CUTLERY.
Claims use since Jan. 1, 1902.

Ser. No. 563,315. CORO, INC., New York, N. Y. Filed Aug. 13, 1948.

Elite

FOR PEARL NECKLACES, PEARL BRACELETS, PEARL EARRINGS, AND ALL PEARLS FOR PERSONAL WEAR AND ADORNMENT—NAMELY, PEARL BROOCHES AND PEARL FINGER RINGS.
Claims use since April 1948.

Ser. No. 563,316. CORO, INC., New York, N. Y. Filed Aug. 13, 1948.

Paragon

FOR PEARL NECKLACES, PEARL BRACELETS, PEARL EARRINGS, AND ALL PEARLS FOR PERSONAL WEAR AND ADORNMENT—NAMELY, PEARL BROOCHES AND PEARL FINGER RINGS.
Claims use since April 1948.

Ser. No. 563,317. CORO, INC., New York, N. Y. Filed Aug. 13, 1948.

Regala

FOR PEARL NECKLACES, PEARL BRACELETS, PEARL EARRINGS, AND ALL PEARLS FOR PERSONAL WEAR AND ADORNMENT—NAMELY, PEARL BROOCHES AND PEARL FINGER RINGS.
Claims use since April 1948.

Ser. No. 563,319. CORO, INC., New York, N. Y. Filed Aug. 13, 1948.

Sublime

FOR PEARL NECKLACES, PEARL BRACELETS, PEARL EARRINGS, AND ALL PEARLS FOR PERSONAL WEAR AND ADORNMENT—NAMELY, PEARL BROOCHES AND PEARL FINGER RINGS.
Claims use since April 1948.

Ser. No. 563,397. CORO, INC., New York, N. Y. Filed Aug. 14, 1948.

Prestige

FOR PEARL NECKLACES, PEARL BRACELETS, PEARL EARRINGS, AND ALL PEARLS FOR PERSONAL WEAR AND ADORNMENT—NAMELY, PEARL BROOCHES AND PEARL FINGER RINGS.
Claims use since April 1948.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 549,092. SKABOL CORPORATION, Webster Groves, Mo. Filed Feb. 7, 1948.

SKAP

FOR APPLICATOR OR SHORT-HANDLED CLEANING MOP FOR USE IN CLEANING AND DEODORIZING DAIRY EQUIPMENT, HOSPITAL EQUIPMENT, TOILET BOWLS, AND OTHER SIMILAR ITEMS.
Claims use since Jan. 18, 1945.

Ser. No. 554,453. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed Apr. 12, 1948.

WEST VELVI

FOR HAND MOP WITH COTTON MATERIAL ON THE END THEREOF; WAX HAND MOP WITH LAMBS WOOL ATTACHED TO THE END THEREOF.
Claims use since Mar. 24, 1947, on the mop; and since Mar. 3, 1946, on the wax hand mop.

Ser. No. 556,288. HALEX LIMITED, London, England. Filed Sept. 24, 1948.

HALEX

Applicant claims ownership of British Registration No. 248,531, dated Sept. 5, 1902.
FOR TOOTH BRUSHES, HAIR BRUSHES, NAIL BRUSHES, AND SHAVING BRUSHES.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 493,082. TULSA CANVAS PRODUCTS COMPANY, Tulsa, Okla. Original filed Dec. 11, 1945, under the act of 1905; amended to application under act of 1946, Sept. 5, 1947. Under section 2f of the act of 1946.

THE Grandstander

No claim is made to the representation of the goods apart from the mark as shown on the drawing.
FOR SEATS FOR GRANDSTANDS OR STADIUMS.
Claims use since Jan. 1, 1941.

Ser. No. 530,444. SPRING-AIR COMPANY, Holland, Mich. Filed Aug. 4, 1947.

Spring Air

Applicant claims ownership of Registration No. 224,542.
FOR MATTRESSES AND BOX SPRINGS.
Claims use since May 19, 1926.

Ser. No. 540,738. THAYER, INC., Gardner, Mass. Filed Nov. 10, 1947.

Tres-Tee-Pen

The word "Pen" is disclaimed apart from the mark.
FOR PLAY YARDS AND PENS.
Claims use since Oct. 20, 1947.

Ser. No. 542,275. BUNTING GLIDER COMPANY, Philadelphia, Pa. Filed Nov. 25, 1947. Under section 2f of the act of 1946.

BUNTING GLIDER COMPANY PHILADELPHIA, PA.

Applicant disclaims "Glider Company Philadelphia, Pa." apart from the mark; also disclaims the pictorial representations of a glider and a chair except in their association as shown. Applicant claims ownership of Registrations Nos. 395,788 and 376,547.
FOR OUTDOOR FURNITURE—NAMELY, GLIDERS, CHAIRS, ROCKERS, AND SETTEES.
Claims use since November 1938.

Ser. No. 542,276. BUNTING GLIDER COMPANY, Philadelphia, Pa. Filed Nov. 25, 1947. Under section 2f of the act of 1946.

Bunting

Applicant claims ownership of Registrations Nos. 395,788 and 376,547.
FOR OUTDOOR FURNITURE—NAMELY, GLIDERS, CHAIRS, ROCKERS, AND SETTEES.
Claims use since 1933.

Ser. No. 543,286. EDSON, INCORPORATED, Chicago, Ill. Filed Dec. 4, 1947.

Sil-o-ett

FOR DAVENPORT AND COUCH COVER.
Claims use since December 1945.

Ser. No. 544,029. BAKRAFT PRODUCTS COMPANY, Muskegon, Mich. Filed Dec. 11, 1947.

Baby-Kair

The word "Baby" is disclaimed apart from the mark.
The stippling is for shading purposes.
FOR JUVENILE FURNITURE—NAMELY, COMBINATION CHAIR AND TABLE.
Claims use since Dec. 1, 1946.

Ser. No. 549,374. THE STEARNS & FOSTER COMPANY, Cincinnati, Ohio. Filed Nov. 18, 1947.

NORMANDIE

Applicant claims ownership of Registration No. 335,969.
FOR MATTRESSES AND BOX SPRINGS.
Claims use since Apr. 30, 1935.

Ser. No. 552,233. CRAWFORD MANUFACTURING CO., INC., Richmond, Va. Filed Mar. 18, 1948.

SHADY-NOOK

Applicant claims ownership of Registrations Nos. 323,930 and 324,286.
FOR SLIP COVERS FOR GLIDERS, CHAIR RECOVERS, CUSHIONS, PILLOWS, CHAIR PADS.
Claims use since January 1936.

Ser. No. 552,973. HOUGH SHADE CORPORATION, Janesville, Wis. Filed Mar. 25, 1948.

BELMAR

FOR WOOD SPLINT SHADES AND VENETIAN BLINDS.
Claims use since Apr. 16, 1938.

Ser. No. 553,498. THE CHAS. A. MAISH CO., Cincinnati, Ohio. Filed Mar. 31, 1948.

SACRO—REST

FOR MATTRESSES.
Claims use since Feb. 17, 1948.

CLASS 33

GLASSWARE

Ser. No. 535,897. THATCHER GLASS MANUFACTURING COMPANY, INC., Elmira, N. Y. Filed Sept. 26, 1947.

MTC

FOR GLASS BOTTLES FOR BEVERAGES, LIQUOR, FOODS, AND CHEMICAL COMPOSITIONS, AND GLASS TUMBLERS.
Claims use since Aug. 1, 1923.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 540,489. TROOP WATER HEATER COMPANY, Pittsburgh, Pa. Filed Nov. 7, 1947.

GREYSTONE

FOR PRESSURE HEATING AND HOT WATER TANKS, RANGE BOILERS, HOT WATER HEATERS, HOT WATER AND STEAM AND VAPOR GENERATORS.
Claims use since 1942.

Ser. No. 540,490. TROOP WATER HEATER COMPANY, Pittsburgh, Pa. Filed Nov. 7, 1947.

TROOP

FOR PRESSURE HEATING AND HOT WATER TANKS, RANGE BOILERS, HOT WATER HEATERS, STEAM HEATERS, HOT WATER AND STEAM AND VAPOR GENERATORS, AND DOMESTIC AND INDUSTRIAL TYPES OF HEAT EXCHANGERS AND PREHEATERS.
Claims use since 1915.

Ser. No. 540,491. TROOP WATER HEATER COMPANY, Pittsburgh, Pa. Filed Nov. 7, 1947.

HYDRA-STONE

The word "Stone" is disclaimed.
FOR PRESSURE HEATING AND HOT WATER TANKS, RANGE BOILERS, HOT WATER HEATERS, HOT WATER AND STEAM AND VAPOR GENERATORS.
Claims use since 1937.

Ser. No. 544,782. S. F. APPLIANCES, LIMITED, Ridgefield, N. J. Filed Dec. 18, 1947.

Sun Flame

Applicant claims ownership of Registration No. 413,600.
FOR GASOLINE AND KEROSENE LANTERNS AND LAMPS AND INCANDESCENT MANTLES AND REFLECTORS THEREFOR, AND FOR BLOW TORCHES.
Claims use since September 1939.

Ser. No. 545,755. NATIONAL STEEL CONSTRUCTION CO., Seattle, Wash. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

NATIONAL

FOR RANGE BOILERS.
Claims use since Jan. 1, 1920.

Ser. No. 546,594. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed Jan. 9, 1948.

NCG

The drawing is lined for yellow.
FOR GAS WELDING AND CUTTING APPARATUS AND SUPPLIES—NAMELY, TORCHES, TORCH LIGHTERS, TORCH TIPS, CUTTING ATTACHMENTS FOR TORCHES, GAS MIXERS FOR TORCHES, CUTTING MACHINES, BEVELING MACHINES, BEVELING AND SHAPE CUTTING ATTACHMENTS FOR CUTTING MACHINES, GAS GENERATORS, AND PARTS FOR THE FOREGOING.
Claims use since November 1946 as to the mark shown; and since 1935 as to the letters "N. C. G."

Ser. No. 546,645. RALPH E. BLANCHARD, doing business as The Reblan Co., Winnetka, Ill. Filed Jan. 10, 1948.

"NITE-EYE"

FOR REFLECTORS—NAMELY, REFLECTING DISCS ADAPTED TO BE WORN ON CLOTHING.
Claims use since Dec. 15, 1947.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 542,992. DETROIT GASKET & MANUFACTURING COMPANY, Detroit, Mich. Filed Aug. 11, 1947.

Steelbestos

Applicant claims ownership of Registration No. 319,354.
FOR GASKETS FOR INTERNAL COMBUSTION ENGINES AND ASSOCIATED PARTS.
Claims use since Oct. 14, 1930.

Ser. No. 549,522. THE DOAN MANUFACTURING CORPORATION, Cleveland, Ohio. Filed Feb. 12, 1948.

ARMOR-FLEX

No claim is made to the word "Flex" apart from the mark. Applicant claims ownership of Registrations Nos. 436,851 and 436,328.
FOR RUBBER BUSHINGS, HOSE, GASKETS, AND FIBER OR RUBBER WASHERS FOR AUTOMOTIVE PRODUCTS.
Claims use since Sept. 27, 1945.

Ser. No. 554,412. RAMSEY CORPORATION, Dover, Del., and St. Louis, Mo. Filed Apr. 12, 1948.

RAMCO

FOR PISTON RINGS, INNER RINGS FOR PISTON RINGS.
Claims use since June 15, 1923.

CLASS 37

PAPER AND STATIONERY

Ser. No. 527,772. VALLEY PAPER COMPANY, Holyoke, Mass. Filed July 5, 1947.

DENSOR

FOR WRITING, TYPEWRITER, AND PRINTING PAPER.
Claims use since 1933.

Ser. No. 531,252. THE S. K. SMITH COMPANY, Chicago, Ill. Filed Aug. 13, 1947. Under section 2f of the act of 1946.

SMITH CRAFTED

Applicant claims ownership of Registration No. 286,065.
FOR ARTIFICIAL LEATHER PRODUCTS—NAMELY, BOOK AND PROGRAM COVERS.
Claims use since February 1928.

Ser. No. 532,781. WEBER COSTELLO CO., Chicago Heights, Ill. Filed Aug. 28, 1947.

ALPHA

Applicant claims ownership of Registration No. 232,367.
FOR DUSTLESS CRAYONS.
Claims use since 1895.

Ser. No. 534,116. L. & C. HARDTMUTH, INC., Bloomsbury, N. J. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

Polycolor

FOR WOOD-ENCASED PENCILS.
Claims use since 1898.

Ser. No. 534,117. L. & C. HARDTMUTH, INC., Bloomsbury, N. J. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

FAUST

Applicant claims ownership of Registration No. 404,482.
FOR LEAD PENCILS AND COLORED PENCILS.
Claims use since 1903.

Ser. No. 544,641. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Oct. 8, 1947.

PILOT TRANSFER PAPER

The words "Transfer Paper" are disclaimed apart from the mark. Applicant claims ownership of Registration No. 332,086.
FOR DECALCOMANIA PAPER.
Claims use since June 4, 1935.

Ser. No. 544,963. ARKWRIGHT FINISHING COMPANY, Providence, R. I. Filed Dec. 20, 1947. Under section 2f of the act of 1946.

Arkwright

Applicant claims ownership of Registration No. 178,712.
FOR TRACING CLOTH.
Claims use since Nov. 23, 1921.

Ser. No. 547,783. H. P. SMITH PAPER COMPANY, Chicago, Ill. Filed Jan. 22, 1948. Under section 2f of the act of 1946.

STA-TUF

Applicant claims ownership of Registration No. 365,956.
FOR WET-STRENGTH PAPER.
Claims use since Feb. 1, 1938.

Ser. No. 551,247. CRANE & CO., INC., Dalton, Mass. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

Crane's

Applicant claims ownership of Registrations Nos. 271,064, 307,528, and 327,551.
FOR WRITING PAPER, PRINTING PAPER, CORRESPONDENCE ENVELOPES, AND PAPER FOR BONDS, SECURITIES, AND CURRENCY.
Claims use since July 1885.

Ser. No. 551,248. CRANE & CO., INC., Dalton, Mass. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

Cranes

Applicant claims ownership of Registrations Nos. 271,064, 307,528, and 327,551.
FOR WRITING PAPER, PRINTING PAPER, CORRESPONDENCE ENVELOPES, AND PAPER FOR BONDS, SECURITIES, AND CURRENCY.
Claims use since August 1850.

Ser. No. 555,209. THOMSON PAPER MILLS, INC., Thomson, N. Y. Filed Apr. 21, 1948.

Formost

FOR FACIAL AND TOILET TISSUES.
Claims use since Jan. 1, 1948.

Ser. No. 556,899. LEE PAPER COMPANY, Vicksburg, Mich. Filed May 12, 1948. Under section 2f of the act of 1946.

Mackinac

Applicant claims ownership of Registration No. 363,393.
FOR BOND PAPER.
Claims use since July 5, 1905.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 506,888. THE CHEK-CHART CORPORATION, Chicago, Ill. Original filed Sept. 12, 1946, under the act of 1905; amended to application under act of 1946, July 23, 1947. Under section 2f of the act of 1946.

Chek-Chart

The word "Chart" is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 267,092 and 346,122.
FOR PUBLICATIONS AND PRINTS COMPRISING CHARTS, POCKET GUIDES, HANDBOOKS, REFERENCE BOOKS, MANUALS, BULLETINS, COMPILATIONS OF INFORMATION IN TABULAR FORM, AND GUIDES PERTAINING TO THE LUBRICATION OF VEHICLES AND MACHINERY HAVING MOVING PARTS REQUIRING LUBRICATION, PUBLISHED AT INTERVALS.
Claims use since May 1929.

Ser. No. 509,360. NATIONAL RIFLE ASSOCIATION OF AMERICA, Washington, D. C. Original filed Sept. 19, 1946, under the act of 1905; amended to application under act of 1946, July 17, 1948.



"Rifle Association of America"—"Incorporated 1871" are disclaimed apart from the mark as shown. The lining is for shading purposes only.

FOR PAMPHLETS TO BE USED IN CONNECTION WITH THE ACTIVITIES OF THE ORGANIZATION.

Claims use since December 1871.

Ser. No. 531,843. REALISTINGS CORPORATION, Washington, D. C. Filed Aug. 19, 1947.

Realistings

FOR PERIODICAL PUBLICATION.

Claims use since July 21, 1947.

Ser. No. 542,811. MARIE THRAILKILL BROWN, Washington, D. C. Filed Dec. 1, 1947.

Behind The Scenes

FOR NEWSPAPER COLUMN.

Claims use since Aug. 1, 1947.

Ser. No. 549,983. WALTER J. STAMPFL, Jamaica, N. Y. Filed Feb. 17, 1948.



The words "Power Design" are disclaimed apart from the mark.

FOR PAMPHLETS—TO WIT, TECHNICAL DATA PUBLICATIONS.

Claims use since Sept. 10, 1947.

Ser. No. 553,384. FAMOUS FUNNIES, INC., Waterbury, Conn. Filed June 3, 1948.

CLUB "16"

FOR COMIC MAGAZINES, CONSISTING OF CARTOONS, COMIC AND CARTOON STRIPS, PUZZLES, GAMES, TRICKS OF MAGIC, STORIES, LESSONS, ADVERTISEMENTS, ETC., PUBLISHED PERIODICALLY.

Claims use since Apr. 30, 1948.

CLASS 39

CLOTHING

Ser. No. 528,738. PRESTIGE, INCORPORATED, Philadelphia, Pa. Filed July 16, 1947.

Prestige

Applicant claims ownership of Registration No. 279,023.

FOR PAJAMAS, MEN'S SHORTS AND POLO SHIRTS MADE FROM KNITTED, NETTED AND TEXTILE FABRIC AND FOR HOSIERY MADE ON FLAT OR CIRCULAR KNITTING MACHINES AND ALSO MADE OF KNITTED, NETTED AND TEXTILE FABRICS.

Claims use since July 30, 1929.

Ser. No. 528,779. FLAMINGO GLOVE COMPANY, Chicago, Ill. Filed July 17, 1947.



The word "Gloves" and the representation of a glove are disclaimed apart from the mark.

FOR GLOVES MADE OF FABRIC AND COMBINATIONS OF LEATHER AND FABRIC.

Claims use since Feb. 27, 1947.

Ser. No. 537,333. MCADOO & ALLEN WELTING COMPANY, Quakertown, Pa. Filed Oct. 9, 1947.



The use of the word "Welting" is disclaimed.

FOR LEATHER SHOE WELTING.

Claims use since June 1915.

Ser. No. 540,745. WAMSUTTA MILLS, New Bedford, Mass. Filed Nov. 10, 1947.



Applicant claims ownership of Registrations Nos. 324,752, 346,077, and 364,093.

FOR OUTER SHIRTS, SHORTS, AND PAJAMAS FOR MEN, WOMEN, AND CHILDREN.

Claims use since Jan. 2, 1934.

Ser. No. 542,709. WOODROW STORES, INC., New York, N. Y. Filed Nov. 28, 1947. Under section 2f of the act of 1946.

WOODROW

Applicant claims ownership of Registrations Nos. 390,522, 404,701, and 404,702.

FOR MEN'S AND BOYS' HATS, COATS, SUITS, SLACKS, PAJAMAS, ROBES FOR PERSONAL WEAR, UNDERWEAR, OUTERSHIRTS, UNDERSHIRTS, RAINCOATS, COLLARS, NECKTIES, SWEATERS.

Claims use since Mar. 21, 1941.

Ser. No. 542,710. WOODROW STORES, INC., New York, N. Y. Filed Nov. 28, 1947. Under section 2f of the act of 1946.

Styled for WOODROW

The words "Styled for" are disclaimed.

FOR MEN'S AND BOYS' HATS, COATS, SUITS, SLACKS, PAJAMAS, ROBES FOR PERSONAL WEAR, UNDERWEAR, OUTERSHIRTS, UNDERSHIRTS, RAINCOATS, COLLARS, NECKTIES, AND SWEATERS.

Claims use since Mar. 21, 1941.

Ser. No. 542,711. WOODROW STORES, INC., New York, N. Y. Filed Nov. 28, 1947. Under section 2f of the act of 1946.



Applicant claims ownership of Registrations Nos. 390,522, 404,701, and 404,702.

FOR MEN'S AND BOYS' HATS, COATS, SUITS, SLACKS, PAJAMAS, ROBES FOR PERSONAL WEAR, UNDERWEAR, OUTERSHIRTS, UNDERSHIRTS, RAINCOATS, COLLARS, NECKTIES, SWEATERS.

Claims use since Mar. 21, 1941.

Ser. No. 543,729. MINNESOTA WOOLEN COMPANY, Duluth, Minn. Filed Dec. 8, 1947.



FOR MEN'S, WOMEN'S AND CHILDREN'S OUTER GARMENTS—NAMELY, SNOW SUITS, JACK SHIRTS, HUNTING JACKETS, WOOLEN SHIRTS, HUNTING PANTS, WOOLEN COATS, AND SWEATERS.

Claims use since Oct. 14, 1947.

Ser. No. 543,928. HUFFMAN FULL FASHIONED MILLS, INC., Morganton, N. C. Filed Dec. 10, 1947. Under section 2f of the act of 1946.

Drexel

Applicant claims ownership of Registration No. 377,880.

FOR MEN'S AND LADIES' HOSIERY.

Claims use since Feb. 23, 1939.

Ser. No. 544,054. THE CHEMICAL RUBBER CO., Cleveland, Ohio. Filed Dec. 11, 1947.

Chemco Film

The word "Film" is disclaimed apart from the mark as shown.
FOR MEN'S AND WOMEN'S LABORATORY OR INDUSTRIAL APRONS, SLEEVES, AND COATS.
Claims use since Feb. 1, 1947.

Ser. No. 544,055. CREIGHTON SHIRT COMPANY, INC., New Haven, Conn. Filed Dec. 11, 1947. Under section 2f of the act of 1946.

Creighton

Applicant claims ownership of Registration No. 389,321.
FOR SHIRTS FOR MEN, WOMEN, AND CHILDREN
Claims use since June 16, 1936.

Ser. No. 544,092. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Dec. 11, 1947. Under section 2f of the act of 1946.

Sturditwist

Applicant claims ownership of Registrations No. 327,309 and 335,510.
FOR MEN'S SUITS—NAMELY, COATS, VESTS, AND TROUSERS.
Claims use since March 1940.

Ser. No. 544,282. BEN PULITZER, New York, N. Y. Filed Dec. 13, 1947.

GOLD of BAGDAD



FOR NECKTIES.
Claims use since Oct. 2, 1946.

Ser. No. 544,292. CHESTER H. ROTH CO., INC., New York, N. Y. Filed Dec. 13, 1947.

DURA DYE

The word "Dye" is disclaimed.
FOR HOSIERY.
Claims use since Nov. 6, 1947.

Ser. No. 544,295. CHESTER H. ROTH CO., INC., New York, N. Y. Filed Dec. 13, 1947.

PERMA CHROME

The word "Chrome" is disclaimed.
FOR HOSIERY.
Claims use since Nov. 7, 1947.

Ser. No. 544,297. CHESTER H. ROTH CO., INC., New York, N. Y. Filed Dec. 13, 1947.

PERMA DYE

The word "Dye" is disclaimed.
FOR HOSIERY.
Claims use since Nov. 6, 1947.

Ser. No. 548,090. COLUMBIAKNIT, INC., Portland, Oreg. Filed Jan. 3, 1948. Under section 2f of the act of 1946.

Columbiaknit

Applicant claims ownership of Registration No. 179,782.
FOR SWEATERS, BATHING SUITS, LADIES' SUITS AND DRESSES.
Claims use since Aug. 1, 1921.

Ser. No. 546,307. THE MATES CO., INC., New York, N. Y. Filed Jan. 6, 1948.



The words "of Quality" are disclaimed.
FOR HOSIERY.
Claims use since December 1945.

Ser. No. 546,545. THE ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Jan. 9, 1948. Under section 2f of the act of 1946.

corliss

Applicant claims ownership of Registration No. 242,067.
FOR WOMEN'S SHOES MADE WHOLLY OR IN PART OF LEATHER.
Claims use since July 26, 1926.

Ser. No. 547,456. I. C. ISAACS & CO., INC., Baltimore, Md. Filed Jan. 19, 1948.

OVER THE TOP
WESTERN WEAR

The words "Western Wear" are disclaimed.
Applicant claims ownership of Registrations Nos. 299,851, 312,978, 377,425, 312,899, and others.
FOR SUITS, PANTS, JACKETS, RIDING BREECHES, AND JODPHURS FOR MEN, BOYS, LADIES, AND GIRLS.
Claims use since Oct. 16, 1947.

Ser. No. 547,980. NORWICH KNITTING COMPANY, Norwich, N. Y. Filed Jan. 24, 1948.

DONALD DUCK

The name "Donald Duck" is fanciful and the name of a well-known and widely featured comic strip character.
Applicant claims ownership of Registration No. 324,180.
FOR MEN'S, WOMEN'S, AND CHILDREN'S CLOTHING—NAMELY, WATER REPELLENT COATS, DRESS, NEGLIGEE AND WORK SHIRTS, PLAYSUITS, AND SWEATERS.
Claims use since June 6, 1934.

Ser. No. 548,103. S. & L. BELT CO., INC., New York, N. Y. Filed Jan. 27, 1948.

CORDO-SHELL

The word "Shell" is disclaimed apart from the mark.
FOR APPAREL BELTS.
Claims use since June 15, 1947.

Ser. No. 548,244. THE A. J. DONAHUE CORPORATION, Milford, Conn. Filed Jan. 29, 1948. Under section 2f of the act of 1946, as to "Milford."

Lady Milford

Applicant claims ownership of Registration No. 236,825.
FOR MEN'S AND WOMEN'S GARTERS, HOSE SUPPORTERS, AND ARM BANDS.
Claims use since Oct. 8, 1926 as to "Milford"; and since November 1944 to the mark as a whole.

Ser. No. 548,742. JOHN A. FRYE SHOE COMPANY, Marlboro, Mass. Filed Feb. 4, 1948.



The applicant disclaims exclusive rights to the word "Frye's" except as part of the mark shown in the drawing.
FOR COWBOY BOOTS.
Claims use since 1939.

Ser. No. 548,980. MIDDLETOWN FOOTWEAR, INC., Middletown, N. Y. Filed Feb. 6, 1948.

Middle Towners

FOR SHOES.
Claims use since Jan. 27, 1938.

Ser. No. 549,184. A. SOLOMON, New Orleans, La. Filed Feb. 9, 1948. Under section 2f of the act of 1946.

A. SOLOMON

A. Solomon is the name of the founder of the applicant firm and is now deceased.
FOR CLOTHING FOR MEN, STUDENTS, AND BOYS—NAMELY, SUITS, COATS, PANTS, AND VESTS.
Claims use since July 28, 1927.

Ser. No. 551,734. ROYAL UNIFORM COMPANY, Philadelphia, Pa. Filed Mar. 11, 1948.



The word "Uniforms" is disclaimed apart from the mark.
FOR MEN'S MILITARY UNIFORMS — NAMELY, COATS, CAPES, AND CAPS, AND FOR MEN'S UNIFORMS—NAMELY, COATS, CAPES, AND HATS USED AS OFFICIAL REGALIA BY VARIOUS PRIVATE ORGANIZATIONS.
Claims use since July 1, 1928.

Ser. No. 551,790. FULL-KNIT HOSIERY MILLS, INC., Burlington, N. C. Filed Mar. 12, 1948.

Sakmaster

Applicant claims ownership of Registration No. 392,536.
FOR MEN'S HOSIERY.
Claims use since May 27, 1941.

Ser. No. 552,464. KNOBBY COAT CO., INC., New York, N. Y. Filed Mar. 19, 1948.

LaneTteS

FOR WOMEN'S SUITS.
Claims use since Mar. 2, 1948.

Ser. No. 554,015. A. DE PINNA CO., INC., New York N. Y. Filed Apr. 7, 1948.

Pinnella

Applicant claims ownership of Registration No. 368,341.
FOR WOMEN'S, MISSES', AND GIRLS' DRESSES AND BLOUSES.
Claims use since Jan. 11, 1938.

Ser. No. 555,602. HANOVER GLOVE CO., Hanover, Pa. Filed Apr. 26, 1948.



The name and portrait presented on the drawing are the name and portrait of Tom Mix, the deceased movie actor.
FOR GLOVES MADE OF A COMBINATION OF LEATHER AND FABRIC.
Claims use since Aug. 31, 1935.

Ser. No. 557,570. WELLS LAMONT CORPORATION, Chicago, Ill. Filed May 21, 1948.

RUF-NEK

FOR WORK GLOVES OF FABRIC.
Claims use since Aug. 1, 1946.

Ser. No. 558,905. MANNE & WEILL, INC., New York, N. Y. Filed June 10, 1948.

MY OWN

FOR LADIES' AND CHILDREN'S FABRIC GLOVES.
Claims use since May 25, 1948.

Ser. No. 560,132. PALMETTO GARMENT COMPANY, Greenville, S. C. Filed June 24, 1948.



FOR CHILDREN'S COTTON SLIPS, WOMEN'S COTTON SLIPS, CHILDREN'S SUNSUITS, SUNDRESSES, PANTIES, MEN'S HANDKERCHIEFS.
Claims use since May 9, 1947.

Ser. No. 562,029. CHARMFIT OF HOLLYWOOD, INC., Los Angeles, Calif. Filed July 23, 1948.

Filflex

FOR FOUNDATION GARMENTS.
Claims use since May 26, 1948.

Ser. No. 563,074. GARLAND KNITTING MILLS, Jamaica Plain, Mass. Filed Aug. 18, 1948.

Zephyr Mist

The word "Zephyr" is disclaimed.
FOR WOMEN'S AND GIRLS' SWEATERS MADE PRINCIPALLY OF KNITTED MATERIAL.
Claims use since April 1948.

Ser. No. 576,762. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Apr. 7, 1949. Under section 2f of the act of 1946.

La France

Applicant claims ownership of Registration No. 163,238.
FOR WOMEN'S HOSIERY.
Claims use since Sept. 12, 1914.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 533,699. WILLIAM BIMSON, Toms River, N. J. Filed Sept. 8, 1947.



Dolly Pins is disclaimed apart from the mark. The drawing is lined to indicate the color red.
FOR PINS FOR HOLDING DOILIES AND ARTICLES OF LIKE NATURE IN PLACE.
Claims use since Dec. 15, 1937.

Ser. No. 564,700. D. K. B. ELECTRIC LIMITED, London, England. Filed Sept. 1, 1948.

BOUQUET

FOR KNITTING NEEDLES AND KNITTING PINS.
Claims use since Nov. 6, 1947.

Ser. No. 570,639. RHODE ISLAND TEXTILE COMPANY, Pawtucket, R. I. Filed Dec. 16, 1948.

WAXTEX

FOR SHOE LACES.
Claims use since Oct. 7, 1948.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 512,339. THE NESTLE LEMUR COMPANY, South Meriden, Conn. Original filed Nov. 9, 1946, under the act of 1905; amended to application under act of 1946, Sept. 22, 1948. Under section 2f of the act of 1946.

END-AIDS

FOR TREATED PAPER SHEETS USED IN HAIR WAVING.
Claims use since April 1942.

Ser. No. 547,386. SIMON BACHS & COMPANY, New York, N. Y. Filed Sept. 20, 1947. Under section 2f of the act of 1946.

EVABRITE

Applicant claims ownership of Registration No. 338,112.
FOR FRONT SURFACE MIRRORS FOR USE IN DENTAL, MEDICAL, AND SURGICAL APPARATUS.
Claims use since Dec. 16, 1934.

Ser. No. 553,703. T. J. HOLMES CO., INC., Chartley, Mass. Filed Apr. 2, 1948. Under section 2f of the act of 1946.

holmSpray

Applicant claims ownership of Registration No. 327,341.
FOR ATOMIZERS.
Claims use since 1936.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 527,992. C. A. SWANSON & SONS, Omaha, Nebr. Filed July 5, 1947. Under section 2f of the act of 1946.

Swanson

Applicant claims ownership of Registration No. 416,793.
FOR CANNED GOODS—NAMELY, NOODLE CHICKEN DINNER, CHICKEN A LA KING, BONED CHICKEN, NOODLE GIBLET DINNER, BONED TURKEY, CHICKEN FRICASSEE WITH GRAVY, WHOLE CHICKEN IN GRAVY; FROZEN POULTRY—NAMELY, ROASTING CHICKEN, BROILING CHICKEN, FRYING CHICKEN, FOWL FOR FRICASSEE, CHICKEN FRICASSEE, CUT-UP TURKEY, YOUNG TURKEY, CHICKEN A LA KING, CHICKEN CHOW MEIN, CHICKEN SALAD, CHICKEN LIVERS, CHICKEN GIZZARDS, AND CHICKEN HEARTS.
Claims use since 1928.

Ser. No. 530,691. WILBUR-SUCHARD CHOCOLATE COMPANY, INC., Borough of Lititz, Pa. Filed Aug. 6, 1947. Under section 2f of the act of 1946.

VAN ZANT

Applicant claims ownership of Registration No. 172,419.
FOR CHOCOLATE COATING (LIQUOR) FOR FOOD PURPOSES.
Claims use since Dec. 1, 1922.

Ser. No. 532,596. SAMUEL MANLY JONES, doing business under the name and style of S. M. Jones & Co., New Bern, N. C. Filed Aug. 27, 1947. Under section 2f of the act of 1946.

Cape LOOKOUT

Applicant claims ownership of Registration No. 369,855.
FOR FRESH VEGETABLES AND WATERMELONS.
Claims use since June 15, 1937.

Ser. No. 546,495. HARPER FEED MILLS, Washington, Pa. Filed Jan. 8, 1948.

VI-EN-AM

FOR DOG FOOD AND YEAST MASH USED FOR ANIMAL FEEDS—NAMELY, POULTRY FEED, DAIRY FEED, AND LIVESTOCK FEED.
Claims use since Jan. 9, 1947.

Ser. No. 547,448. HALE-HALSELL COMPANY, McAlester, Okla. Filed Jan. 19, 1948.

Lumps-O' Gold

Applicant claims ownership of Registrations Nos. 331,814 and 423,520.
FOR CANNED PINEAPPLE, CANNED CORN, AND CANNED HOMINY.
Claims use since Mar. 27, 1935.

Ser. No. 549,552. KING MILLING COMPANY, Lowell, Mich. Filed Feb. 12, 1948.

KING'S FLAKE

Applicant claims ownership of Registration No. 179,381.
FOR WHEAT FLOUR (PLAIN AND SELF-RISING, BAKERY AND FAMILY).
Claims use since Apr. 15, 1914.

Ser. No. 549,862. CALCUTTA CLUB PRODUCTS, INC., New York, N. Y. Filed Feb. 16, 1948.

TIMBERVILLE

FOR CANNED CHICKEN.
Claims use since October 1947.

Ser. No. 550,564. THE SOUTH COAST CORPORATION, New Orleans, La. Filed Feb. 25, 1948.

White Gold

Applicant claims ownership of Registration No. 323,849.
FOR PURE CANE SUGAR.
Claims use since Sept. 25, 1934.

Ser. No. 550,907. FARM CREST BAKERIES, INC., Detroit, Mich. Filed Mar. 1, 1948.

JEEPERS CREEPERS

FOR CAKE.
Claims use since Nov. 25, 1947.

Ser. No. 551,086. CHASE & COMPANY, Sanford, Fla. Filed Mar. 3, 1948.

Chaco

FOR FRESH CITRUS FRUITS AND VEGETABLES.
Claims use since Mar. 3, 1941.

Ser. No. 551,411. SELECT PRODUCTS COMPANY, Irwin, Pa. Filed Mar. 8, 1948.

Timber-r-r

FOR THIN, CRISP, EDIBLE STRIPS MADE PRINCIPALLY FROM CORN MEAL.
Claims use since Feb. 23, 1948.

Ser. No. 552,027. WERALEX EGG CO., Los Angeles, Calif. Filed Mar. 15, 1948.

HiPoint

FOR EGGS.
Claims use since Dec. 15, 1947.

CLASS 47

WINES

Ser. No. 556,167. AUSTIN, NICHOLS & CO., INCORPORATED, Brooklyn, N. Y. Filed May 4, 1948. Under section 2f of the act of 1946.

Austin Nichols

Applicant claims ownership of Registrations Nos. 339,127, 348,739, 349,355, and 397,093.
FOR WINE.
Claims use since May 27, 1940.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 529,937. LA CIGOGNE DE STRASBOURG, O. & L. STEIN, SOCIETE A RESPONSABILITE LIMITEE, Schiltigheim (Bas-Rhin), France. Filed July 29, 1947.

CIGO

Applicant claims ownership of French Registration No. 3,013, dated May 23, 1935, and United States Regs. Nos. 314,014 and 314,015.
FOR BEER.

Ser. No. 544,619. JOHN F. TROMMER, INC., Brooklyn, N. Y. Filed Dec. 17, 1947. Under section 2f of the act of 1946.

TROMMER'S White Label

Applicant disclaims the exclusive use of a white label. Applicant claims ownership of Registrations Nos. 325,794, 389,827, and 408,144.
FOR LAGER BEER.
Claims use since April 1925.

Ser. No. 560,533. N. V. BROUWERIJ D'ORANJEBOOM, Rotterdam, Holland. Filed July 1, 1948.

THE FLYING DUTCHMAN

Applicant claims ownership of Dutch Registration No. 91,460, dated Feb. 24, 1948.
FOR BEER.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 551,985. MACGREGOR AND ROSS LIMITED, Glasgow, Scotland. Filed Mar. 15, 1948.

SCOTTISH HEATH

The word "Scottish" is disclaimed. Applicant claims ownership of British Registration No. 643,873, dated Jan. 17, 1946.
FOR SCOTCH WHISKY.

Ser. No. 556,168. AUSTIN, NICHOLS & CO., INCORPORATED, Brooklyn, N. Y. Filed May 4, 1948. Under section 2f of the act of 1946.

Austin Nichols

Applicant claims ownership of Registrations Nos. 339,127, 348,739, 349,355, and 397,093.

FOR BRANDY, COGNAC, ALCOHOLIC COCKTAILS, ALCOHOLIC CORDIALS, ALCOHOLIC LIQUEURS, GIN, CLUB PUNCH, BEING A BRAND OF VARIOUS DISTILLED ALCOHOLIC LIQUORS, RUM, VODKA, AND WHISKEY.

Claims use since Sept. 17, 1940.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 550,072. RACE & RACE, INC., Winter Haven, Fla. Filed Feb. 18, 1948.

RACEBILT

FOR ALUMINUM LADDERS.

Claims use since May 1, 1947.

Ser. No. 551,507. SUE MAE ALLWELL, doing business as Ease-All Rubber Products, East Orange, N. J. Filed Mar. 9, 1948.

EASE-ALL

FOR RUBBER MATS.

Claims use since September 1947.

CLASS 55

SERVICES

Ser. No. 529,887. FEDERAL ELECTRIC COMPANY, INC., Chicago, Ill., now by change of name Federal Enterprises, Inc., a corporation of New York. Filed July 29, 1947. SERVICE MARK.

Applicant claims ownership of Registrations Nos. 412,286 and 416,839.

FOR LEASING, MAINTENANCE, AND REPAIR OF SIGNS AND ELECTRICAL ADVERTISING DISPLAYS.

Claims use since January 1912.

Ser. No. 535,265. THE SIGNAL DEVICES AND ALARM COMPANY, Cleveland, Ohio. Filed Sept. 22, 1947. SERVICE MARK.

SDA

FOR BURGLAR-ALARM SERVICE COMPRISING THE LEASING AND INSTALLATION OF BURGLAR ALARM SIGNAL DEVICES, THE MAINTENANCE OF A DIRECT WIRE FROM SUCH ALARM DEVICES IN THE CUSTOMER'S PLACE OF BUSINESS TO THE OFFICES OF THE APPLICANT, AND NOTIFICATION OF THE POLICE AUTHORITIES OF THE BREAKING AND ENTERING OF INTRUDERS ON THE PROPERTY OR PREMISES PROTECTED BY THE SIGNAL DEVICES.

Claims use since 1928.

Ser. No. 536,275. MOORE-MCCORMACK LINES, INC., New York, N. Y. Filed Sept. 30, 1947. SERVICE MARK.

M

FOR WATER TRANSPORTATION OF CARGO AND PASSENGERS UPON THE NAVIGABLE WATERS OF THE WORLD.

Claims use since 1928.

Ser. No. 538,035. JOHN C. PAIGE & COMPANY, Boston, Mass. Filed Oct. 16, 1947. SERVICE MARK. Under section 2f of the act of 1946.

DEPENDABLE INSURANCE PAIGE 1876

No claim is made to the words "Dependable Insurance" apart from the mark shown.

FOR INSURANCE, BROKERAGE, AND AGENCY SERVICES—NAMELY, FIRE, RENTS, HEALTH, BURGLARY, AUTOMOBILE, SURETY BONDS, TOURIST'S FLOATER, LEASEHOLD INTEREST, USE AND OCCUPANCY, AIRCRAFT, LIFE, BOILER, LIABILITY, ACCIDENT, EARTHQUAKE, RAIN, MARINE, TORNADO, EXPLOSION, GENERAL COVER, JEWELRY FLOATER, SPRINKLER LEAKAGE, PROPERTY IN TRANSIT, WORKMEN'S COMPENSATION, HOSPITALIZATION, AND PERSONAL PROPERTY FLOATER INSURANCE.

Claims use since 1933.

Ser. No. 541,371. PURPLE CROSS, INC., Denver, Colo. Filed Nov. 22, 1947. SERVICE MARK.

PURPLE CROSS SECURITY

Applicant disclaims exclusive use of the word "Security" apart from the mark as shown. The drawing is lined to represent the color purple.

FOR SERVICES IN CONNECTION WITH ADVANCE PROVISION FOR FUNERALS, INCLUDING THE ARRANGEMENT, WRITING AS AGENT, AND PLACING OF FUNERAL INSURANCE AND THE CONTRACTING WITH MORTICIANS FOR A RANGE OF FIXED-CHARGE SERVICES AVAILABLE TO ITS MEMBER SUBSCRIBERS.

Claims use since Feb. 9, 1944.

Ser. No. 553,949. WELL EXPLOSIVES, INC., Fort Worth, Tex., now by change of name Welex Jet Services, Inc., a corporation of Texas. Filed Apr. 5, 1948. SERVICE MARK.

JET

The lining on the drawing indicates shading only.

FOR OIL WELL PERFORATING AND OPEN HOLE SHOOTING SERVICES.

Claims use since Dec. 15, 1947.

623 O. G.—45

Ser. No. 556,069. BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION, San Francisco, Calif. Filed May 3, 1948. SERVICE MARK. Under section 2f of the act of 1946.

TENPLAN

Applicant claims ownership of Registration No. 402,500.

FOR CHECKING ACCOUNT BANKING SERVICES.

Claims use since February 1943.

Ser. No. 557,331. ALLIED VAN LINES, INC., Chicago, Ill. Filed May 19, 1948. SERVICE MARK.

ALLIED

FOR TRANSPORTATION OF HOUSEHOLD GOODS BY MOTOR VEHICLE.

Claims use since Mar. 19, 1926.

Ser. No. 557,332. ALLIED VAN LINES, INC., Chicago, Ill. Filed May 19, 1948. SERVICE MARK.

ALLIED VAN LINES

The words "Van Lines" are disclaimed apart from the mark as shown.

FOR TRANSPORTATION OF HOUSEHOLD GOODS BY MOTOR VEHICLE.

Claims use since Mar. 19, 1928.

Ser. No. 558,427. WILLIAM PENN LAUNDRY, INC., Philadelphia, Pa. Filed June 3, 1948. SERVICE MARK.

JACK and JILL

FOR LAUNDERING OF DIAPERS.

Claims use since May 1944.

Ser. No. 562,388. NATIONAL SUPERIOR FUR DRESSING & DYEING CO., Chicago, Ill. Filed July 28, 1948. SERVICE MARK.

PERMANIZED

FOR FUR CLEANING AND STORAGE.

Claims use since Jan. 2, 1947.

Ser. No. 562,389. NATIONAL SUPERIOR FUR DRESSING & DYEING CO., Chicago, Ill. Filed July 28, 1948. SERVICE MARK.

PERMA-BRITE

FOR FUR CLEANING AND STORAGE.
Claims use since February 1938.

Ser. No. 566,664. PAUL SIMON, New York, N. Y. Filed Oct. 7, 1948. SERVICE MARK.

hibernized

FOR CLEANING OF FURS, FUR COATS, AND CLOTH GARMENTS.
Claims use since Apr. 1, 1946.

Ser. No. 567,876. AMERICAN EXPRESS COMPANY, New York, N. Y. Filed Oct. 21, 1948. SERVICE MARK.

BANNER

FOR TRAVEL SERVICE, COMPRISING INFORMATIONAL SERVICES WITH RESPECT TO TOUR PLANNING, ARRANGING TRAVEL TOURS, AND ARRANGING AND PROCURING OF ACCOMMODATIONS AND RESERVATIONS INCIDENTAL TO TRAVEL.
Claims use since Apr. 1, 1936.

Ser. No. 567,483. AUTOMATIC BURGLAR ALARM SYSTEM INC., New Haven, Conn. Filed Oct. 23, 1948. SERVICE MARK.

AMACO

FOR LEASING, SERVICING SUCH AS, REPAIRING OLD PARTS AND INSTALLING NEW PARTS, AND MAINTENANCE SUCH AS MAKING PERIODIC INSPECTION OF, AND ADJUSTING, THE EQUIPMENT IF REQUIRED, OF ALARM SYSTEMS FOR VEHICLES AND THEIR CONTENTS TO PROTECT THEM FROM THEFT.
Claims use since Apr. 1, 1946.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

442,905. PREPARATION FOR THE TREATMENT AND RELIEF OF COUGHS DUE TO COLDS. OSMONT DRUG & CHEMICAL CO., INC., Long Island City, N. Y.
Filed Nov. 25, 1944, Serial No. 476,679. Published July 22, 1947. Class 6.

442,906. LAUNDRY BLEACH SOLUTION. GLO-RITE CHEMICAL COMPANY, New York, N. Y.
Filed June 21, 1945, Serial No. 484,838. Published Dec. 17, 1946. Class 6.

442,907. CLEANING AND POLISHING FLUID, FOR CLEANING AND POLISHING THE FINISHED SURFACES OF WOOD AND METAL OBJECTS INCLUDING FURNITURE, ETC. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo.
Filed Aug. 17, 1945, Serial No. 487,284. Published Mar. 15, 1949. Class 16.

442,908. LIVING ROOM CHAIRS. T. BAUMEISTER CO., INC., New York, N. Y.
Filed Nov. 23, 1945, Serial No. 492,028. Published Oct. 19, 1948. Class 32.

442,909. CEREAL BREAKFAST FOOD. PLEB-ZINO, INC., Chicago, Ill.
Filed Dec. 13, 1945, Serial No. 493,213. Published Mar. 15, 1949. Class 46.

442,910. REFRIGERATION COILS, ICE-MAKING COILS, EVAPORATIVE CONDENSERS AND FREEZING TUNNELS, I. E., ELONGATED REFRIGERATORS THROUGH WHICH FOOD PRODUCTS ARE PASSED FOR THE PURPOSE OF QUICK FREEZING OF THE SAME. REFRIGERATION ENGINEERING INC., Los Angeles, Calif.
Filed Jan. 22, 1946, Serial No. 495,191. Published Mar. 8, 1949. Class 31.

442,911. ELECTRIC STUD WELDING GUNS AND PARTS THEREOF, AND ELECTRIC WELDING FERRULES. NELSON SPECIALTY WELDING EQUIPMENT CORPORATION, San Leandro, Calif., assignor to Morton Gregory Corporation, a corporation of Michigan.
Filed Feb. 6, 1946, Serial No. 496,097. Published Mar. 8, 1949. Class 21.

442,912. LADIES' SPORTSWEAR—NAMELY, DRESSES, SUITS, SLACKS, BLOUSES, AND SKIRTS. CASUAL CRAFT, INC., Chicago, Ill.
Filed Feb. 21, 1946, Serial No. 497,014. Published Feb. 11, 1947. Class 39.

442,913. MAGNETO-DYNAMO APPARATUS AND SMALL MAGNETOS FOR LIGHTING PURPOSES. MAGNETOS LUCIFER, SOCIÉTÉ ANONYME, Carouge, Geneva, Switzerland.
Filed Feb. 27, 1946, Serial No. 497,817. Published Mar. 8, 1949. Class 21.

442,914. RAT AND MICE POISON. HOWARD W. FAY, doing business as H. W. Fay Laboratories, Palmer, Mass.
Filed Mar. 18, 1946, Serial No. 498,410. Published Mar. 8, 1949. Class 6.

442,915. POCKET-LIKE STOCKING TOE PROTECTOR MADE OF SHEET PLASTIC COMPOSITION. THE TOSSER COMPANY, Chicago, Ill.
Filed May 8, 1946, Serial No. 501,698. Published Mar. 9, 1948. Class 39.

442,916. LIQUEURS. DISTILLERIE WARENGHEM FILS (SOCIÉTÉ À RESPONSABILITÉ LIMITÉE), Lannion, France.
Filed June 11, 1946, Serial No. 503,641. Published Mar. 15, 1949. Class 49.

442,917. SHAMPOO, RINSE FOR HAIR, RINSE FOR CLOTHES, LIPSTICK, ROUGE, FACE POWDER, NAIL POLISH, PERFUME, AND COLOGNE. GLAMO-GIRL COSMETIC CO., Chicago, Ill.
Filed June 14, 1946, Serial No. 503,897. Published Nov. 4, 1947. Class 6.

442,918. ROUGE, LIPSTICK, FACE POWDER, NAIL POLISH, PERFUME, AND COLOGNE. PRINCESS PAT, LTD., Chicago, Ill.
Filed June 14, 1946, Serial No. 503,938. Published Feb. 3, 1948. Class 6.

442,919. RAYON PIECE GOODS. JULIUS N. WERK FABRICS, INC., New York, N. Y.
Filed Aug. 9, 1946, Serial No. 507,170. Published Oct. 14, 1947. Class 42.

442,920. PORTABLE ELECTRIC SPACE HEATERS. TRILLING AND MONTAGUE, Philadelphia, Pa.
Filed Aug. 16, 1946, Serial No. 507,553. Published Mar. 15, 1949. Class 21.

442,921. ELECTRONIC MEASURING INSTRUMENTS—NAMELY, VOLT-OHM MILLIAMMETERS. ELECTRONIC MEASUREMENTS CORPORATION, New York, N. Y.
Filed Sept. 24, 1946, Serial No. 509,642. Published Dec. 23, 1947. Class 26.

442,922. VITAMIN COMPOSITION. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed Oct. 18, 1946, Serial No. 511,122. Published Feb. 1, 1949. Class 6.

442,923. ENVELOPES FOR GREETING CARDS SOLD EMPTY. A. GROSSMAN, New York, N. Y.
Filed Oct. 19, 1946, Serial No. 511,147. Published Feb. 8, 1949. Class 37.

442,924. SHOES MADE OF LEATHER, RUBBER, FABRICS, AND/OR COMBINATIONS OF THESE MATERIALS. HUISKAMP BROS. CO., Keokuk, Iowa.
Filed Oct. 24, 1946, Serial No. 511,392. Published Mar. 15, 1949. Class 39.

442,925. HONEY. WOODROW MILLER, doing business as Miller's Honey Company, Colton, Calif.
Filed Nov. 21, 1946, Serial No. 512,979. Published Mar. 15, 1949. Class 46.

442,926. MEN'S, WOMEN'S, AND CHILDREN'S SWIMSUITS, COATS, JACKETS, SPORT SHIRTS, SHORTS, AND SWEATERS; WOMEN'S PLAYSUITS, AND BRASSIÈRES; WOMEN'S AND CHILDREN'S SLACKS, UNDERWEAR, BEACH COATS, AND SUPPORTERS. GANTNER & MATTERN COMPANY, San Francisco, Calif.
Filed Nov. 22, 1946, Serial No. 513,044. Published Mar. 1, 1949. Class 39.

442,927. BEER. SELLERS COMPANY, LTD., Chicago, Ill.
Filed Dec. 20, 1946, Serial No. 514,626. Published Mar. 8, 1949. Class 48.

442,928. FOOTWEAR—NAMELY, BOOTS AND SHOES MADE WHOLLY OR PARTLY OF RUBBER. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed Dec. 26, 1946, Serial No. 514,814. Published Mar. 1, 1949. Class 39.

442,929. MACHINES FOR CONTINUOUSLY GLUING STRIPS OR BOARDS TOGETHER. JAMES L. TAYLOR MANUFACTURING COMPANY, New York, N. Y.
Filed Dec. 27, 1946, Serial No. 514,915. Published Mar. 1, 1949. Class 23.

442,930. MEN'S, LADIES', AND CHILDREN'S HOSIERY. CHESTER H. ROTH CO. INC., New York, N. Y.
Filed Jan. 11, 1947, Serial No. 515,636. Published Mar. 1, 1949. Class 39.

442,931. WHISKEY, GIN, RUM, BRANDY, COGNAC, LIQUEUR, AND ALCOHOLIC CORDIALS. SANCHEZ ROMATE HERMANOS, S. A., Jerez de la Frontera, Spain.
Filed Jan. 15, 1947, Serial No. 515,761. Published Feb. 22, 1949. Class 49.

442,932. HOLDERS FOR ROTATABLY SUPPORTING DRILLING, BORING, REAMING, AND TAPPING TOOLS FOR THE PERFORMANCE OF THEIR FUNCTIONS. MCCROSKEY TOOL CORPORATION, Meadville, Pa.
Filed Jan. 21, 1947, Serial No. 516,089. Published Mar. 1, 1949. Class 23.

442,933. SHOWER CURTAINS. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y.
Filed Jan. 24, 1947, Serial No. 516,284. Published Feb. 8, 1949. Class 42.

442,934. FUSION OF CASEIN AND LACTALBUMIN IN POWDER FORM SOLD IN LARGE CONTAINERS TO MANUFACTURERS AND USED FOR FOOD PURPOSES. M. & S. DAIRY SPECIALTIES, Ashton, Ill., assignor to Crest Foods Co., Ashton, Ill., a partnership.
Filed Feb. 5, 1947, Serial No. 516,992. Published Mar. 15, 1949. Class 46.

442,935. GREETING CARDS, PRINTED GREETING FOLDERS, CALENDARS, PRINTED DECORATIVE TAGS AND PRINTED SEALS. NORCROSS, INC., New York, N. Y.
Filed Feb. 6, 1947, Serial No. 517,085. Published Mar. 1, 1949. Class 38.

442,936. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES; MEN'S AND LADIES' DIAMOND MOUNTED RINGS OF PRECIOUS AND BASE METAL OTHER THAN SILVER, ETC. JACK KELLMER COMPANY, Philadelphia, Pa.
Filed Feb. 7, 1947, Serial No. 517,139. Published Aug. 31, 1949. Class 28.

442,937. FRESH TOMATOES. THE H. ROUW COMPANY, Edinburg, Tex.
Filed Feb. 7, 1947, Serial No. 517,166. Published Mar. 15, 1949. Class 46.

442,938. RIBBON MADE OF RAYON AND CELLOPHANE AND USED FOR TYING UP AND ORNAMENTING PACKAGES, BOXES, AND OTHER CONTAINERS. FIBRE CORD DIVISION OF KARY-SAFE PAPER BAG CO., INC., New York, N. Y.
Filed Feb. 28, 1947, Serial No. 518,288. Published Feb. 17, 1948. Class 7.

442,939. RIBBON MADE OF RAYON AND CELLOPHANE AND USED FOR TYING UP AND ORNAMENTING PACKAGES, BOXES, AND OTHER CONTAINERS. FIBRE CORD DIVISION OF KARY-SAFE PAPER BAG CO., INC., New York, N. Y.
Filed Feb. 28, 1947, Serial No. 518,289. Published Feb. 17, 1948. Class 7.

442,940. MEN'S, CHILDREN'S, AND INFANTS' COTTON CLOTHING—NAMELY, KNITTED POLO SHIRTS AND SWEAT SHIRTS, SWEATERS, PAJAMAS, UNDER AND OUTER SHORTS, SWIM SUITS, OVERALLS, SPORT JACKETS, AND SLACKS. SYDNEY ROSENBERG, doing business as Tam O' Shanter Sportswear Co., Boston, Mass.
Filed Mar. 15, 1947, Serial No. 519,097. Published Nov. 18, 1947. Class 39.

442,941. HOSIERY. ROCKWOOD MILLS, Rockwood, Tenn.
Filed Mar. 29, 1947, Serial No. 519,827. Published Apr. 13, 1948. Class 39.

442,942. HOSIERY. ROCKWOOD MILLS, Rockwood, Tenn.
Filed Mar. 29, 1947, Serial No. 519,831. Published Apr. 13, 1948. Class 39.

442,943. HOSIERY. WOODLAND HOSIERY MILLS, Cheltenham, Pa.
Filed Mar. 31, 1947, Serial No. 519,913. Published Mar. 15, 1949. Class 39.

442,944. PIPE UNIONS, THREAD PROTECTORS FOR UNIONS, CLAMP HANDLES FOR VALVES, PLUG VALVES, ETC. WELL EQUIPMENT MFG. CORP., Houston, Tex.
Filed Apr. 2, 1947, Serial No. 520,073. Published Mar. 1, 1949. Class 13.

442,945. PIPE UNIONS, THREAD PROTECTORS FOR UNIONS, CLAMP HANDLES FOR VALVES, PLUG VALVES, ETC. WELL EQUIPMENT MFG. CORP., Houston, Tex.
Filed Apr. 2, 1947, Serial No. 520,074. Published Mar. 1, 1949. Class 13.

442,946. PERFUMES, PERFUME BASES EXTRACTED FROM FLOWERS, ETC. LABORATORIOS DE PRODUCTOS DE BELLEZA, IRENNE DARIE S. A., Habana, Cuba, assignor to Rejane, Inc., New York, N. Y., a corporation of New York.
Filed Apr. 7, 1947, Serial No. 520,283. Published July 27, 1948. Class 6.

442,947. WOVEN FABRIC OF RAYON OR NYLON, OR MIXTURES THEREOF, SOLD BY THE PIECE. PEDIGREE FABRICS, INC., New York, N. Y.
Filed Apr. 7, 1947, Serial No. 520,296. Published Feb. 8, 1948. Class 42.

442,948. CHEMICAL DYESTUFFS TO BE USED IN THE DYEING OF FABRICS. FAIRY DYES LIMITED, Glasgow, Scotland.
Filed Apr. 11, 1947, Serial No. 520,501. Published Mar. 8, 1949. Class 6.

442,949. HOSIERY. DAVISVILLE HOSIERY MILL, Davisville, Pa.
Filed Apr. 17, 1947, Serial No. 520,864. Published Jan. 20, 1948. Class 39.

442,950. READY-MIXED AND PRIMING PAINTS, PAINT ENAMELS, VARNISHES, LACQUERS, ETC. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed Apr. 18, 1947, Serial No. 520,948. Published Mar. 15, 1949. Class 16.

442,951. MALT. CANADA MALTING CO. LIMITED, Toronto, Ontario, Canada.
Filed Apr. 22, 1947, Serial No. 521,111. Published Mar. 15, 1949. Class 46.

442,952. SWEATERS. SUSE BRECHER DANNENBERG, doing business as "Suse," Los Angeles, Calif.
Filed Apr. 26, 1947, Serial No. 521,382. Published Feb. 22, 1949. Class 39.

442,953. SANITARY BELTS AND CLASPS AND OTHER PARTS THEREOF. BELTX CORPORATION, St. Louis, Mo.
Filed May 17, 1947, Serial No. 522,583. Published Feb. 15, 1949. Class 44.

442,954. PRINTED BOOKLETS PUBLISHED BI-MONTHLY. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.
Filed May 27, 1947, Serial No. 523,159. Published Mar. 8, 1949. Class 38.

442,955. BATH CABINETS FITTED FOR THE DELIVERY OF STEAM, WATER, AND DRY HEAT TO THE INTERIOR THEREOF. CONTINENTAL SALES CORPORATION, Indianapolis, Ind.
Filed June 7, 1947, Serial No. 523,770. Published Feb. 8, 1949. Class 44.

442,956. KNITTED, NETTED, AND TEXTILE FABRICS IN THE PIECE, MADE OF RAYON, NYLON, AND PROTEIN FIBERS AND YARNS. ALGEMEENE KUNSTZIJDE UNIE, N. V., Arnhem, Netherlands.
Filed June 12, 1947, Serial No. 524,040. Published Feb. 8, 1949. Class 42.

442,957. STOCKINGS, SOCKS, HOSE, DRESS, NEGLIGEE AND WORK SHIRTS, VESTS, PANTS, KNICKERS, ETC. WOLSEY LIMITED, Leicester, England.
Filed June 17, 1947, Serial No. 524,365. Published Mar. 1, 1949. Class 39.

442,958. PROCESSED COLOR PHOTOGRAPHIC PRINTS. CHROMART LABORATORIES, Johnson City, N. Y.
Filed June 24, 1947, Serial No. 524,686. Published Mar. 8, 1949. Class 38.

442,959. LINOLEUM, OIL CLOTH AND FELT BASE FLOOR, WALL, SHELF, AND FURNITURE COVERING, SOLD BY THE YARD OR CUT INTO RUGS, MATS, OR TILES, AND COMPOSITION FLOOR TILES OF LINOLEUM OR OTHER MATERIAL. W. & J. SLOANE, New York, N. Y.
Filed June 27, 1947, Serial No. 525,038. Published Jan. 25, 1949. Class 20.

442,960. TEXTILE FABRICS IN THE PIECE MADE OF COTTON, ETC. W. & J. SLOANE, New York, N. Y.
Filed June 27, 1947, Serial No. 525,042. Published Mar. 1, 1949. Class 42.

442,961. REPRODUCERS—NAMELY, CABINETS CONTAINING ELECTRONIC AMPLIFIERS AND ONE OR MORE LOUD SPEAKERS. THE BALDWIN COMPANY, Cincinnati, Ohio.
Filed June 30, 1947, Serial No. 525,182. Published Mar. 15, 1949. Class 21.

442,962. OIL OF HOPS COMPRISING A DISTILLATION PRODUCT OF HOPS, ETC. E. CLEMENS HORST CO., San Francisco, Calif.
Filed July 1, 1947, Serial No. 525,329. Published Mar. 1, 1949. Class 48.

442,963. ELECTRICAL ILLUMINATING FIXTURE FOR THE INSTRUMENT PANEL OF AN AIRPLANE AND THE LIKE. FAIRCHILD CAMERA & INSTRUMENT CORPORATION, Jamaica, N. Y.
Filed July 2, 1947, Serial No. 525,578. Published Mar. 15, 1949. Class 21.

442,964. MEN'S AND BOYS' OUTER SHIRTS AND PAJAMAS. THE HALLMARK SHIRT CO., INC., New York, N. Y.
Filed July 3, 1947, Serial No. 525,827. Published Mar. 1, 1949. Class 39.

442,965. MEN'S AND BOYS' OUTER SHIRTS AND PAJAMAS. THE HALLMARK SHIRT CO., INC., New York, N. Y.
Filed July 3, 1947, Serial No. 525,831. Published Mar. 1, 1949. Class 39.

442,966. MEN'S OUTER SHIRTS, SPORT SHIRTS, NECKTIES, AND PAJAMAS. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed July 3, 1947, Serial No. 525,940. Published Mar. 1, 1949. Class 39.

442,967. MEN'S OUTER DRESS, WORK, AND SPORT SHIRTS, PAJAMAS, AND NECKTIES. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed July 3, 1947, Serial No. 525,942. Published Mar. 1, 1949. Class 39.

442,968. MEN'S COLLARS, SPORT SHIRTS, SPORT JACKETS, OUTER SHIRTS, NECKTIES, AND PAJAMAS. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed July 3, 1947, Serial No. 525,945. Published Feb. 22, 1949. Class 39.

ACT OF 1920

These registrations are not subject to opposition.

442,969. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LABORATORIOS ANNECY, S. A., Buenos Aires, Argentina. Filed Jan. 9, 1945, Serial No. 478,426.

ANNECY

FOR HAND LOTION, FACE LOTION, SHAVING LOTION, COLOGNE, BAY RUM, BRILLIANTINE, AND FACE CREAM.
Claims use since Oct. 30, 1943.

442,970. (CLASS 12. CONSTRUCTION MATERIALS.) NU-WALL MANUFACTURING COMPANY, Milwaukee, Wis. Filed June 30, 1945, Serial No. 485,263.

NU-WALL OVER OLD WALLS

NU-WALL

FOR WALL PLASTER, IN THE NATURE OF A DRY POWDER SOLD IN BAGS AND THEN MIXED WITH WATER AND APPLIED TO THE WALLS.
Claims use since Apr. 14, 1945.

442,971. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HY SCHWARTZ, Los Angeles, Calif. Filed Aug. 20, 1945, Serial No. 487,338.

AQUA-VUE

FOR UNDER WATER GOGGLES WORN BY SWIMMERS.
Claims use since Aug. 1, 1945.

ACT OF 1946, PRINCIPAL REGISTER

511,113. CANNED MACKEREL. GOLDEN STATE PACKING CORPORATION, Long Beach, Calif., assignee of Robert O. Gruwell, Jr., doing business as Golden State Sea Food Co.
Original filed Apr. 26, 1944, under the act of 1905; amended to application under act of 1946, Oct. 21, 1947, Serial No. 469,676. Published Feb. 22, 1949. Class 46.

511,114. RADIO TRANSMITTERS, RADIO RECEIVERS, ELECTRICAL OSCILLATORS, ELECTRIC SIGNAL GENERATORS, ETC. HAZELTINE ELECTRONICS CORPORATION, New York and Little Neck, N. Y.
Original filed Oct. 5, 1945, under the act of 1905; amended to application under act of 1946, Aug. 6, 1947, Serial No. 489,462. Published Mar. 8, 1949. Class 21.

511,116. SURGICAL TRUSSES AND PADS THEREFOR. THE AKRON TRUSS CO., INC., Cuyahoga Falls, Ohio.
Original filed Apr. 12, 1946, under the act of 1905; amended to application under act of 1946, Sept. 22, 1947, Serial No. 500,041. Published Feb. 8, 1949. Class 44.

511,116. BOYS' SHIRTS, TROUSERS, AND JACKETS. H. FRANKENSTEIN COMPANY, Los Angeles, Calif.
Original filed Aug. 15, 1946, under the act of 1905; amended to application under act of 1946, Oct. 13, 1947, Serial No. 507,468. Published Mar. 1, 1949. Class 39.

511,117. NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. JEWEL EXTRACT CO. INC., Pittsburgh, Pa.
Original filed Aug. 26, 1946, under the act of 1905; amended to application under act of 1946, July 14, 1947, Serial No. 508,046. Published July 27, 1948. Class 45.

511,118. MONTHLY MAGAZINE DEVOTED TO ALL SPORTS. JACOBS SPORTS MAGAZINES, INC., Clinton, S. C., and elsewhere, assignor to Sports-Week, Inc., New York, N. Y., a corporation of New York.
Original filed Aug. 23, 1946, under the act of 1905; amended to application under act of 1946, Nov. 21, 1947, Serial No. 508,082. Published Mar. 8, 1949. Class 38.

511,119. FLUORESCENT LIGHTING FIXTURES, ELECTRICALLY OPERATED FLOOR LAMPS, TABLE LAMPS, BED LAMPS, BATHROOM LIGHT FIXTURES AND DESK LAMPS. MITCHELL MANUFACTURING COMPANY, Chicago, Ill.
Original filed Sept. 4, 1946, under the act of 1905; amended to application under act of 1946, Nov. 19, 1947, Serial No. 508,489. Published Mar. 15, 1949. Class 21.

511,120. SHOE LACES AND CORSET LACES. UNITED LACE & BRAID COMPANY, Cranston, R. I.
Original filed Sept. 25, 1946, under the act of 1905; amended to application under act of 1946, Feb. 4, 1948, Serial No. 509,745. Published Jan. 18, 1949. Class 40.

511,121. PNEUMATIC TIRES FOR AUTOMOTIVE, BICYCLE, MOTORCYCLE, ETC. COOPER TIRE & RUBBER COMPANY, Findlay, Ohio.
Original filed Sept. 27, 1946, under the act of 1905; amended to application under act of 1946, July 23, 1948, Serial No. 509,828. Published Mar. 8, 1949. Class 35.

511,122. SOOT ERADICATOR IN DRY FORM COMPOSED OF METAL OXIDES AND SALTS. EDGAR M. BUTLER, doing business as Butler Engineering Company, New Orleans, La.
Original filed Sept. 28, 1946, under the act of 1905; amended to application under act of 1946, Dec. 2, 1947, Serial No. 509,914. Published Mar. 8, 1949. Class 6.

511,123. SADDLES AND PARTS THEREOF. SHELDON E. POTTER, doing business as Visalia Stock Saddle Co., San Francisco, Calif.
Original filed Oct. 25, 1946, under the act of 1905; amended to application under act of 1946, Oct. 2, 1947, Serial No. 511,498. Published Mar. 8, 1949. Class 3.

511,124. SADDLES AND PARTS THEREOF. SHELDON E. POTTER, doing business as Visalia Stock Saddle Co., San Francisco, Calif.
Original filed Oct. 25, 1946, under the act of 1905; amended to application under act of 1946, Oct. 2, 1947, Serial No. 511,499. Published Jan. 18, 1949. Class 3.

511,125. LOCKS. MASTER LOCK COMPANY, Milwaukee, Wis.
Original filed Oct. 28, 1946, under the act of 1905; amended to application under act of 1946, Dec. 26, 1947, Serial No. 511,632. Published Feb. 8, 1949. Class 25.

511,126. MIXTURE OF AGGREGATE BONDED WITH ASPHALT USED FOR FLOORS, SURFACING, AND ROAD PAVING. ANDRESEN CORPORATION, Chicago, Ill.
Original filed Nov. 27, 1946, under the act of 1905; amended to application under act of 1946, Feb. 28, 1948, Serial No. 513,285. Published Feb. 22, 1949. Class 12.

511,127. COLORING PIGMENT DISPERSED IN A SOLUBLE BASE TO BE INCORPORATED IN PLASTICS, INCLUDING NATURAL RUBBER, SYNTHETIC RUBBER, VINYL RESINS, AND OTHER THERMOPLASTIC RESINS FOR COLORING THE SAME. HARWICK STANDARD CHEMICAL COMPANY, Akron, Ohio, assignee of Curtis J. Harwick, doing business as Standard Chemical Company.
Original filed Dec. 7, 1946, under the act of 1905; amended to application under act of 1946, July 28, 1947, Serial No. 513,885. Published Mar. 8, 1949. Class 6.

511,128. FABRIC GLOVES. STOTT & SON CORPORATION, Winona, Minn.
Original filed Dec. 12, 1946, under the act of 1905; amended to application under act of 1946, July 5, 1947, Serial No. 514,144. Published Mar. 15, 1949. Class 39.

511,129. NARROW FABRIC WEBBING. BRIDGEPORT FABRICS, INC., Bridgeport, Conn.
Original filed Dec. 13, 1946, under the act of 1905; amended to application under act of 1946, Apr. 9, 1948, Serial No. 514,176. Published Mar. 1, 1949. Class 40.

511,130. VESTMENT FABRICS COMPRISING GOLD BROCADES, SILK BROCADES, GIVRE FAILLE, BENGALINE BROCADES, SATIN DAMASKS, AND DRAPERY FABRICS MADE OF COTTON, SILK, AND SYNTHETIC FIBERS AND MIXTURES THEREOF. ALLEN SILK MILLS, New York, N. Y.
Original filed Dec. 23, 1946, under the act of 1905; amended to application under act of 1946, Mar. 16, 1948, Serial No. 514,678. Published Mar. 1, 1949. Class 42.

511,131. WOMEN'S AND MISSES' RAINCOATS AND HOODS. ABRAHAM & STRAUS, INC., Brooklyn, N. Y.
Original filed Feb. 5, 1947, under the act of 1905; amended to application under act of 1946, Nov. 15, 1947, Serial No. 516,944. Published May 18, 1948. Class 39.

511,132. MISSES', JUNIOR MISSES', AND CHILDREN'S BOOTS AND OVERSHOES MADE OF LEATHER, RUBBER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. CONSOLIDATED FOOTWEAR CORPORATION, New York, N. Y.
Original filed Feb. 6, 1947, under the act of 1905; amended to application under act of 1946, July 17, 1947, Serial No. 517,036. Published Mar. 8, 1949. Class 39.

511,133. CHILDREN'S, MISSES', AND JUNIOR MISSES' BOOTS AND OVERSHOES MADE OF LEATHER, RUBBER, CANVAS, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF. CONSOLIDATED FOOTWEAR CORPORATION, New York, N. Y.
Original filed Feb. 6, 1947, under the act of 1905; amended to application under act of 1946, July 17, 1947, Serial No. 517,037. Published Mar. 8, 1949. Class 39.

511,134. CHILDREN'S AND INFANTS' SWEATERS, BOOTEES, LEGGINGS, CREEPERS, AND WRAPPER SETS. CLOVERDALE KNITWEAR CORPORATION, New York, N. Y.
Original filed Mar. 11, 1947, under the act of 1905; amended to application under act of 1946, Apr. 21, 1948, Serial No. 518,826. Published Mar. 8, 1949. Class 39.

511,135. WHISKEY. ESBACO DISTILLING CORPORATION, Stamford, Conn.
Original filed Mar. 15, 1947, under the act of 1905; amended to application under act of 1946, Feb. 3, 1948, Serial No. 519,062. Published Mar. 8, 1949. Class 49.

511,136. KÜMMEL. MANY, BLANC & CO., INC., Chicago, Ill.
Original filed Mar. 17, 1947, under the act of 1905; amended to application under act of 1946, Apr. 12, 1946, Serial No. 519,132. Published Mar. 15, 1949. Class 49.

511,137. MEN'S AND BOYS' OVERALLS. BELK-STEVENS COMPANY, Winston-Salem, N. C.
Original filed Apr. 1, 1947, under the act of 1905; amended to application under act of 1946, July 28, 1948, Serial No. 519,917. Published Feb. 22, 1949. Class 39.

511,138. CORSETTES (GARMENTS COMBINING A LOWER GIRDLE SECTION AND AN UPPER BANDEAU SECTION). SARA DREW, INC., Newark, N. J.
Original filed Apr. 5, 1947, under the act of 1905; amended to application under act of 1946, Dec. 4, 1947, Serial No. 520,235. Published Mar. 8, 1949. Class 39.

511,139. BOOKS, PARTICULARLY CHILDREN'S BOOKS. RAND MCNALLY AND COMPANY, Chicago, Ill.
Original filed May 5, 1947, under the act of 1905; amended to application under act of 1946, Oct. 7, 1947, Serial No. 521,927. Published Mar. 1, 1949. Class 38.

511,140. PROTECTIVE COATINGS AND FINISHES—NAMELY, PAINTS, IN READY MIXED, CONCENTRATES AND PASTE FORMS; PAINT ENAMELS AND BAKING ENAMELS; STEEL PAINT PRIMERS; ALUMINUM PAINT FINISHES; AND VARNISHES. EASTERN STATES PAINT AND VARNISH COMPANY, Philadelphia, Pa.
Original filed May 7, 1947, under the act of 1905; amended to application under act of 1946, Nov. 1, 1947, Serial No. 522,013. Published Mar. 15, 1949. Class 16.

511,141. TRAY PAPER. BETTER BUY WHOLESALE GROCERS, Fresno, Calif.
Original filed May 10, 1947, under the act of 1905; amended to application under act of 1946, Nov. 7, 1947, Serial No. 522,185. Published Mar. 8, 1949. Class 37.

511,142. BROOMS. BETTER BUY WHOLESALE GROCERS, Fresno, Calif.
Original filed May 10, 1947, under the act of 1905; amended to application under act of 1946, Oct. 11, 1947, Serial No. 522,187. Published Feb. 22, 1949. Class 29.

511,143. FOOD COMPOSITION IN POWDERED FORM CONTAINING SORBITAN MONOSTEARATE, ETC. R. G. MOENCH & CO., INC., New York, N. Y.
Original filed May 27, 1947, under the act of 1905; amended to application under act of 1946, Dec. 13, 1947, Serial No. 523,137. Published Mar. 8, 1949. Class 46.

511,144. ELECTRIC FLOODLIGHTS. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Des Plaines, Ill.
Original filed June 7, 1947, under the act of 1905; amended to application under act of 1946, Sept. 18, 1948, Serial No. 523,738. Published Mar. 8, 1949. Class 21.

511,145. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND FLAVORING SYRUPS FOR MAKING THE SAME. ORANGE SMILE SYRUP COMPANY, St. Louis, Mo.
Original filed June 9, 1947, under the act of 1905; amended to application under act of 1946, Dec. 22, 1947, Serial No. 523,855. Published Mar. 8, 1949. Class 45.

511,146. FRESH DECIDUOUS FRUITS AND CANNED FRUITS. WALTER H. LEVESETTE, doing business as Orchard Park Farms, Medford, Oreg.
Original filed June 13, 1947, under the act of 1905; amended to application under act of 1946, Nov. 21, 1947, Serial No. 524,139. Published Mar. 1, 1949. Class 46.

511,147. HAIR PINS. DIADEM, INC., Leominster, Mass.
Original filed June 18, 1947, under the act of 1905; amended to application under act of 1946, Dec. 22, 1947, Serial No. 524,364. Published Mar. 1, 1949. Class 40.

511,148. PIECE GOODS COMPOSED WHOLLY OR PRINCIPALLY OF WOOL OR WORSTED. FINE WOOLLEN COMPANY LIMITED, London, England.
Filed July 5, 1947, Serial No. 526,562. Published Feb. 22, 1949. Class 42.

511,149. MEDICAL AND SURGICAL APPLIANCES FOR THE TREATMENT AND CARE OF THE FEET AND AILMENTS AND ABNORMALITIES THEREOF, ETC. THE SCHOLL MFG. CO., INC., New York, N. Y., and Chicago, Ill.
Filed July 5, 1947, Serial No. 526,615. Published Mar. 15, 1949. Class 44.

511,150. PAPER TOWELS, PAPER NAPKINS, AND TOILET TISSUE. STRAUBEL PAPER COMPANY, Green Bay, Wis.
Filed July 5, 1947, Serial No. 526,620. Published Mar. 1, 1949. Class 37.

511,151. FOOD FREEZER AND FROZEN FOOD STORAGE CABINETS PRIMARILY FOR DOMESTIC USE. GENERAL MACHINE COMPANY, INC., Emmaus, Pa.
Filed July 5, 1947, Serial No. 527,017. Published June 1, 1948. Class 31.

511,152. ENGINE OIL FILTERS EMBODYING MECHANISMS FOR SHOWING THE FILTER CONDITION BY INDICATING THE WEIGHT OF THE FILTER CARTRIDGE. BUSINESS COLLABORATORS, INCORPORATED, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,234. Published Mar. 8, 1949. Class 31.

511,153. LETTER RACKS, SORTING TRAYS, STATIONERY SEPARATORS FOR DESK DRAWERS, STEEL STATIONERY FILES FOR DESK DRAWERS, ETC. CURRIER MANUFACTURING CO., St. Paul, Minn.
Filed July 5, 1947, Serial No. 527,279. Published Mar. 8, 1949. Class 32.

511,154. OILS FOR USE ON FLOORS, FURNITURE AND WOODWORK. THE PURE OIL COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,284. Published Mar. 15, 1949. Class 16.

511,155. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,343. Published Feb. 22, 1949. Class 39.

511,156. FIBER ROPE AND TWINE. JOHN FLOCKER AND COMPANY, Pittsburgh, Pa.
Filed July 5, 1947, Serial No. 527,617. Published Feb. 22, 1949. Class 7.

511,157. WRITING, TYPEWRITER, AND PRINTING PAPER. VALLEY PAPER COMPANY, Holyoke, Mass.
Filed July 5, 1947, Serial No. 527,660. Published Feb. 1, 1949. Class 37.

511,158. SHOES CONSTRUCTED OF COMBINATIONS OF LEATHER, RUBBER, AND FABRIC. CONSOLIDATED RETAIL STORES, INC., St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,703. Published Feb. 22, 1949. Class 39.

511,159. ELECTRICAL APPARATUS—NAMELY, FLUORESCENT LAMPS, LOWVOLT GENERATORS FOR GALVANIC AND SINUSOIDAL CURRENTS, DRY CELL BATTERIES, FARADIC CURRENT BATTERIES, ETC. A. S. ALOE COMPANY, St. Louis, Mo.
Filed July 9, 1947, Serial No. 528,179. Published Mar. 8, 1949. Class 21.

511,160. ELECTRICAL APPARATUS—NAMELY, FLUORESCENT LAMPS, LOWVOLT GENERATORS FOR GALVANIC AND SINUSOIDAL CURRENTS, DRY CELL BATTERIES, FARADIC CURRENT BATTERIES, ETC. A. S. ALOE COMPANY, St. Louis, Mo.
Filed July 9, 1947, Serial No. 528,180. Published Mar. 8, 1949. Class 21.

511,161. VEHICLE DOOR LATCHES. THE AMERICAN SWISS COMPANY, Toledo, Ohio.
Filed July 12, 1947, Serial No. 528,395. Published Feb. 15, 1949. Class 25.

511,162. RUBBER FLOOR COVERINGS. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed July 12, 1947, Serial No. 528,448. Published Feb. 1, 1949. Class 20.

511,163. EMPTY METAL CONTAINERS IN THE NATURE OF BOTTLES FOR PERFUME AND CARRIED IN THE PURSE OR POCKET BOOK. EUGENE HEIDELBAUER, Chicago, Ill.
Filed July 12, 1947, Serial No. 528,475. Published Mar. 22, 1949. Class 2.

511,164. MALTLESS SOFT DRINKS AND CARBONATED WATERS. HOME BREWING COMPANY, INC., doing business as Climax Beverage Company, Richmond, Va.
Filed July 17, 1947, Serial No. 528,794. Published Feb. 22, 1949. Class 45.

511,165. ELECTRICAL APPARATUS — NAMELY, LIGHTING FIXTURES AND PARTS THEREFOR, ELECTRIC BED LAMPS, AND GERMICIDAL LAMPS. ELECTRO MANUFACTURING CORPORATION, Chicago, Ill.
Filed July 19, 1947, Serial No. 528,960. Published Mar. 15, 1949. Class 21.

511,166. CHILDREN'S SLEEPING GARMENTS CONSISTING OF A COMBINED NIGHTGOWN, SLEEPING BAG, AND COVERLET. RONNY MANUFACTURING CO., Los Angeles, Calif., assignor to Sam G. Kaplan and Rose Ruth Kaplan, doing business as Ronny Mfg. Co., Los Angeles, Calif.
Filed July 19, 1947, Serial No. 528,955. Published Mar. 15, 1949. Class 39.

511,167. WORK GLOVES MADE OF RUBBER COATED CANTON FLANNEL. GOOD LUCK GLOVE COMPANY, Carbondale, Ill.
Filed July 21, 1947, Serial No. 529,027. Published Mar. 15, 1949. Class 39.

511,168. COMBINATION ELECTRIC FAN AND ELECTRIC SPACE HEATER. LOSER PRODUCTS CO., Hebron, Ill.
Filed July 21, 1947, Serial No. 529,069. Published Mar. 8, 1949. Class 21.

511,169. NOTEBOOKS. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed July 24, 1947, Serial No. 529,424. Published Mar. 8, 1949. Class 37.

511,170. SELF-RISING FLOUR AND PLAIN WHEAT FLOUR. CHEROKEE MILLS, Nashville, Tenn.
Filed July 28, 1947, Serial No. 529,434. Published Mar. 8, 1949. Class 46.

511,171. SWIM SUITS, PLAY SUITS, SUN SUITS, AND SWEATERS. GANTNER & MATTERN COMPANY, San Francisco, Calif.
Filed July 28, 1947, Serial No. 529,782. Published Mar. 8, 1949. Class 39.

511,172. DOOR CLOSERS. NORTON LABIER COMPANY, Chicago, Ill., now by change of name L C N Closers, Inc., a corporation of Illinois.
Filed July 31, 1947, Serial No. 530,088. Published Mar. 8, 1949. Class 13.

511,173. RUBBER AND FABRIC SPORT SHOES. MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind.
Filed July 31, 1947, Serial No. 530,099. Published Mar. 1, 1949. Class 39.

511,174. RUBBERS AND RUBBER OVERSHOES. MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind.
Filed July 31, 1947, Serial No. 530,105. Published Feb. 22, 1949. Class 39.

511,175. WARDROBES. JULES S. ZIBELL, doing business as Zibell Industries, Decatur, Ga.
Filed Aug. 1, 1947, Serial No. 530,276. Published Mar. 1, 1949. Class 32.

511,176. WORK CLOTHING—NAMELY, COATS, JACKETS, AND COVERALLS. MICHELSON MANUFACTURING COMPANY, Canton, Ill.
Filed Aug. 5, 1947, Serial No. 530,544. Published Feb. 22, 1949. Class 39.

511,177. JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, EAR RINGS, BRACELETS, NECKLACES, HAIR CLIPS, TIE CLASPS, TIE PINS, AND STICK PINS. MACE'S, INC., Kansas City, Mo.
Filed Aug. 6, 1947, Serial No. 530,661. Published Mar. 8, 1949. Class 28.

511,178. TEXTILE FABRICS IN THE PIECE OF WOOL AND COTTON FOR THE MAKING OF SUITS. MERRIMAC MILLS COMPANY, Methuen, Mass.
Filed Aug. 7, 1947, Serial No. 530,754. Published Feb. 8, 1949. Class 42.

511,179. LETTERHEADS, BILL HEADS, STATEMENTS, BLANK AND PARTIALLY PRINTED LABELS, LEGAL BACKERS, CORRESPONDENCE ENVELOPES. HOWARD RUBIN, INCORPORATED, New York, N. Y.
Filed Aug. 7, 1947, Serial No. 530,772. Published Mar. 8, 1949. Class 37.

511,180. CHILDREN'S CLOTHING—NAMELY, BOYS' SUITS, OVERALLS, PLAYSUITS, COATS, POLO SHIRTS, AND PANTS. STANDARD ROMPER CO., INC., New York, N. Y.
Filed Aug. 7, 1947, Serial No. 530,779. Published Mar. 1, 1949. Class 39.

511,181. HOUSEHOLD FURNITURE—NAMELY, CHAIRS, SETTEES, COSTUMERS, STOOLS, KITCHEN AND DINETTE TABLES; AND COMMERCIAL LOUNGE FURNITURE—NAMELY, CHAIRS, SETTEES, BAR STOOLS, TABLES, AND COSTUMERS. AMERICAN FIXTURE AND MANUFACTURING CO., St. Louis, Mo.
Filed Aug. 9, 1947, Serial No. 530,898. Published Mar. 8, 1949. Class 32.

511,182. BEER. PFEIFFER BREWING COMPANY, Detroit, Mich.
Filed Aug. 9, 1947, Serial No. 530,954. Published Mar. 15, 1949. Class 45.

511,183. MEN'S PANTS AND OUTER SHIRTS. SWEET-ORR & CO., INC., New York and Wappinger Falls, N. Y.
Filed Aug. 11, 1947, Serial No. 531,055. Published Mar. 8, 1949. Class 39.

511,184. BRAKE LINING SETS. L. J. MILEY COMPANY, Chicago, Ill.
Filed Aug. 14, 1947, Serial No. 531,351. Published Mar. 8, 1949. Class 35.

511,185. BOOTS, SHOES, SANDALS, SLIPPERS, AND RUBBERS MADE OF LEATHER, RUBBER, CANVAS, AND FABRIC, AND COMBINATIONS THEREOF, FOR MEN, WOMEN, CHILDREN, INFANTS, AND BABIES. POWELL & CAMPBELL, INC., New York, N. Y.
Filed Aug. 14, 1947, Serial No. 531,367. Published Feb. 22, 1949. Class 39.

511,186. FLAVOR FOR MALTLESS SOFT DRINKS. NORTHWESTERN EXTRACT CO., Milwaukee, Wis.
Filed Aug. 16, 1947, Serial No. 531,618. Published Mar. 1, 1949. Class 45.

511,187. TOILET SEATS. SPERZEL COMPANY, Minneapolis, Minn.
Filed Aug. 16, 1947, Serial No. 531,625. Published Feb. 22, 1949. Class 13.

511,188. COAL. OLD BEN COAL CORPORATION, Chicago, Ill.
Filed Aug. 18, 1947, Serial No. 531,706. Published Mar. 15, 1949. Class 1.

511,189. STAINLESS STEEL COOKING UTENSILS—NAMELY, ROASTING VESSELS, SAUCE PANS, DOUBLE BOILERS, AND SKILLETS ALL MADE OF STAINLESS STEEL. PETER FOTI, doing business as No-Life Cookware, Rochester, N. Y.
Filed Aug. 20, 1947, Serial No. 531,942. Published Mar. 8, 1949. Class 13.

511,190. SHOES. DR. REED CUSHION SHOE COMPANY, Chicago, Ill.
Filed Aug. 21, 1947, Serial No. 532,058. Published Mar. 1, 1949. Class 39.

511,191. LIQUID CLEANER, RESTORATIVE, AND PRESERVATIVE FOR MARBLE, TILE, LINOLEUM, WOODWORK, AND FINISHED FLOORS. WESTERN CHEMICAL COMPANY, St. Joseph, Mo.
Filed Aug. 21, 1947, Serial No. 532,075. Published Mar. 15, 1949. Class 4.

511,192. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed Aug. 22, 1947, Serial No. 532,152. Published Mar. 1, 1949. Class 39.

511,193. HOSIERY. NELSON KNITTING COMPANY, Rockford, Ill.
Filed Aug. 22, 1947, Serial No. 532,153. Published Feb. 22, 1949. Class 39.

511,194. JAR-PACKED WHOLE AND CRUSHED FRUITS IN SYRUP BASES USED AS TOPPINGS FOR ICE CREAM AND OTHER FOODS, FRUIT SYRUPS USED FOR FLAVORING FOOD DRINKS AND FOODS, FOOD-FLAVORING EXTRACTS. PEERLESS SPECIALTY COMPANY, Buffalo, N. Y.
Filed Aug. 22, 1947, Serial No. 532,159. Published Mar. 8, 1949. Class 46.

511,195. PIPE UNIONS AND FITTINGS—NAMELY, CROSSES, T'S, ELBOWS, COUPLINGS, CHOKES, WING VALVES, BALL JOINTS, AND CONNECTIONS. THORNHILL-CRAVER COMPANY, INC., Houston, Tex.
Filed Aug. 25, 1947, Serial No. 532,380. Published Mar. 8, 1949. Class 13.

511,196. FRESH GRAPES. DOUGHERTY FRUIT GROWERS, INC., Acampo, Calif.
Filed Aug. 26, 1947, Serial No. 532,438. Published Mar. 8, 1949. Class 46.

511,197. STENCILS FOR DUPLICATING MACHINES. THE H. E. SMITH COMPANY, Newark, N. J.
Filed Aug. 26, 1947, Serial No. 532,510. Published Sept. 7, 1948. Class 37.

511,198. COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOP COATS, AND OVERCOATS FOR MEN AND BOYS. J. SCHOENEMAN, INC., Baltimore, Md.
Filed Aug. 27, 1947, Serial No. 532,643. Published Mar. 1, 1949. Class 39.

511,199. CORSETS, GIRDLES, AND FOUNDATION GARMENTS. MASTERCRAFT FOUNDATIONS, New York, N. Y.
Filed Aug. 30, 1947, Serial No. 532,949. Published Mar. 15, 1949. Class 39.

511,200. CORSETS, GIRDLES, AND FOUNDATION GARMENTS. MASTERCRAFT FOUNDATIONS, New York, N. Y.
Filed Aug. 30, 1947, Serial No. 532,952. Published Mar. 15, 1949. Class 39.

511,201. HOSIERY FOR WOMEN. COOPER, WELLE & Co., St. Joseph, Mich.
Filed Sept. 4, 1947, Serial No. 533,272. Published Mar. 15, 1949. Class 39.

511,202. WIRE ROPE. MACWHYTE COMPANY, Kenosha, Wis.
Filed Sept. 4, 1947, Serial No. 533,331. Published Feb. 22, 1949. Class 7.

511,203. MEN'S AND YOUNG MEN'S SUITS, COATS, PANTS, SPORT COATS, OVERCOATS, AND TOPCOATS. MARX & HAAS-KORRekt COMPANY, St. Louis, Mo.
Filed July 26, 1947, Serial No. 533,464. Published Mar. 8, 1949. Class 39.

511,204. CHAINS FOR GENERAL USE AND PARTICULARLY FOR AUTOMOBILE AND TRACTOR TIRE ANTI-SKID CHAINS. PEERLESS CHAIN COMPANY, Winona, Minn.
Filed Sept. 5, 1947, Serial No. 533,607. Published Mar. 1, 1949. Class 13.

511,205. BRAIDS AND WOVEN TAPES, NARROW WEBBINGS, AND NARROW LACES. INTERNATIONAL BRAID COMPANY, Providence, R. I., assignor, by mesne assignments, to International Braid Corp., Fall River, Mass., a corporation of Massachusetts.
Filed Sept. 9, 1947, Serial No. 533,899. Published Mar. 8, 1949. Class 40.

511,206. MEN'S SUITS, TOP COATS, OVERCOATS, AND PANTS. ED. V. PRICE & COMPANY, Chicago, Ill.
Filed Sept. 9, 1947, Serial No. 533,921. Published Mar. 1, 1949. Class 39.

511,207. ALUMINUM POURING SPOUTS FOR CONTAINERS. SEAL-SPOUT CORPORATION, Newark, N. J.
Filed Sept. 9, 1947, Serial No. 533,929. Published Mar. 1, 1949. Class 13.

511,208. DAIRY FEED COMPOSED OF CEREALS AND OTHER INGREDIENTS. ADA MILLING COMPANY, Ada, Okla.
Filed Sept. 12, 1947, Serial No. 534,223. Published Nov. 28, 1948. Class 46.

511,209. LOTION FOR THE RELIEF OF DISTRESS CAUSED BY POISON IVY, POISON SUMAC AND POISON OAK. STONESTREET CHEMICALS, INC., Poughkeepsie, N. Y.
Filed Sept. 16, 1947, Serial No. 534,681. Published Mar. 8, 1949. Class 6.

511,210. NECKTIES AND BOW TIES. SOL SHERMAN, doing business under the name and style of Sherman Products, New York, N. Y.
Filed Sept. 17, 1947, Serial No. 534,826. Published Mar. 1, 1949. Class 39.

511,211. WOOD FLOOR SEAL AND FINISH IN THE NATURE OF A VARNISH, ETC. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed Sept. 18, 1947, Serial No. 534,882. Published Mar. 15, 1949. Class 16.

511,212. CANNED TOMATO JUICE. AULABAUGH BROS., Bronius, W. Va.
Filed Sept. 19, 1947, Serial No. 534,976. Published Mar. 8, 1949. Class 46.

511,213. WALNUTS IN THE SHELL AND SHELLED WALNUTS. CALIFORNIA WALNUT GROWERS ASSOCIATION, Los Angeles, Calif.
Filed Sept. 19, 1947, Serial No. 534,994. Published Mar. 1, 1949. Class 46.

511,214. SWINGING OR FIXED BOOM MOBILE CRANES MOUNTED ON STANDARD INDUSTRIAL TYPE WHEEL OR CRAWLER TRACTORS, ETC. THE HUGHES-KEENAN COMPANY, Mansfield, Ohio.
Filed Sept. 19, 1947, Serial No. 535,037. Published Mar. 1, 1949. Class 23.

511,215. GINGER BREAD, CANDY, SWEET CHOCOLATE, CAKES, BISCUITS, AND PASTRY. SOCIETE ANONYME DES ETABLISSEMENTS GRINGOIRE, Pithiviers, France.
Filed Sept. 23, 1947, Serial No. 535,432. Published Mar. 8, 1949. Class 46.

511,216. RUM. JARDINE LIQUOR CORPORATION, New York, N. Y., assignor to Jardine, Inc., Maspeth, Long Island, N. Y., a corporation of Delaware.
Filed Sept. 24, 1947, Serial No. 535,532. Published Feb. 22, 1949. Class 49.

511,217. APPLE BRANDY. GORDON-O'NEILL COMPANY, Jersey City, N. J.
Filed Sept. 25, 1947, Serial No. 535,699. Published Feb. 1, 1949. Class 49.

511,218. WORK GLOVES OF FABRIC AND COMBINED FABRIC AND LEATHER. WELLS LAMONT CORPORATION, Chicago, Ill.
Filed Sept. 26, 1947, Serial No. 535,913. Published Feb. 22, 1949. Class 39.

511,219. WORK GLOVES OF LEATHER AND FABRIC COMBINATION. WELLS LAMONT CORPORATION, Chicago, Ill.
Filed Sept. 26, 1947, Serial No. 535,915. Published Feb. 22, 1949. Class 39.

511,220. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. JOHANSEN BROTHERS SHOE COMPANY, INC., St. Louis, Mo.
Filed Sept. 29, 1947, Serial No. 536,092. Published Mar. 1, 1949. Class 39.

511,221. SCARVES AND FASCINATORS. BRIAN FABRICS CORPORATION, New York, N. Y.
Filed Oct. 1, 1947, Serial No. 536,341. Published Mar. 1, 1949. Class 39.

511,222. MEN'S, WOMEN'S, AND CHILDREN'S SUITS, COATS, TROUSERS, OVERCOATS, UNDERSHIRTS, OUTER SHIRTS, SWEATERS, HATS, CAPS, NECKTIES, HOSIERY, AND UNIFORMS FOR SPORTS AND GAMES. JOSEPH BUBLICK AND SONS, Chicago, Ill.
Filed Oct. 1, 1947, Serial No. 536,342. Published Mar. 1, 1949. Class 39.

511,223. SHOES. THE FAIR, Chicago, Ill.
Filed Oct. 1, 1947, Serial No. 536,363. Published Mar. 8, 1949. Class 39.

511,224. PAINT SOLD IN LIQUID FORM. PATEK BROTHERS, INC., Milwaukee, Wis.
Filed Oct. 1, 1947, Serial No. 536,429. Published Mar. 15, 1949. Class 16.

511,225. SURGICAL HOSIERY. SURGICAL PRODUCTS INC., Lowell, Mass.
Filed Oct. 1, 1947, Serial No. 536,462. Published Mar. 15, 1949. Class 44.

511,226. YOUNG MEN'S AND MEN'S COATS, SPORT COATS, TROUSERS, SUITS, AND OVERCOATS. SPECTOR BROTHERS, INC., Philadelphia, Pa.
Filed Oct. 2, 1947, Serial No. 536,559. Published Mar. 1, 1949. Class 39.

511,227. PLAIN AND GROOVED METALLIC MOLDING STRIPS AND TRIMMING RIBBON ELEMENTS, ETC. THE COLOTRIM COMPANY, Seattle, Wash.
Filed Oct. 3, 1947, Serial No. 536,587. Published Mar. 8, 1949. Class 12.

511,228. RUBBER COATED FABRIC WORK GLOVES. INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind.
Filed Oct. 3, 1947, Serial No. 536,613. Published Mar. 1, 1949. Class 39.

511,229. BREAD. CAPITAL BAKERS, INC., Harrisburg, Pa.
Filed Sept. 12, 1947, Serial No. 536,741. Published Mar. 8, 1949. Class 46.

511,230. VENETIAN BLINDS. THE DICKEY MANUFACTURING COMPANY, Toledo, Ohio.
Filed Oct. 4, 1947, Serial No. 536,770. Published Mar. 8, 1949. Class 32.

511,231. MEN'S SUITS, OVERCOATS, TOPCOATS, AND TROUSERS. GROSSMAN CLOTHING CO., New York, N. Y.
Filed Oct. 4, 1947, Serial No. 536,777. Published Mar. 1, 1949. Class 39.

511,232. MEN'S SUITS, OVERCOATS, TOPCOATS, AND TROUSERS. GROSSMAN CLOTHING CO., New York, N. Y.
Filed Oct. 4, 1947, Serial No. 536,778. Published Mar. 1, 1949. Class 39.

511,233. WINDOW SHADES. JOANNA WESTERN MILLS COMPANY, Chicago, Ill.
Filed Oct. 4, 1947, Serial No. 536,793. Published Mar. 8, 1949. Class 32.

511,234. TIRE VALVE CAPS AND TIRE VALVE CORES. THE PEP BOYS, MANNY, MOE & JACK, Philadelphia, Pa.
Filed Oct. 6, 1947, Serial No. 536,949. Published Mar. 8, 1949. Class 13.

511,235. LADIES' SPORTS APPAREL, I. E., SWEATERS, SPORT JACKETS, ETC. EMPIRE IMPORTS, INC., New York, N. Y.
Filed Oct. 7, 1947, Serial No. 537,030. Published Mar. 8, 1949. Class 39.

511,236. RAISINS, RAISIN BREAD. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif.
Filed Oct. 7, 1947, Serial No. 537,097. Published Mar. 8, 1949. Class 46.

511,237. RAISINS, RAISIN BREAD. SUN-MAID RAISIN GROWERS OF CALIFORNIA, Fresno, Calif.
Filed Oct. 7, 1947, Serial No. 537,096. Published Mar. 8, 1949. Class 46.

511,238. MEN'S, WOMEN'S, AND CHILDREN'S KNITTED UNDERWEAR. WRIGHT'S UNDERWEAR CORPORATION, New York, N. Y.
Filed Oct. 7, 1947, Serial No. 537,122. Published Mar. 1, 1949. Class 39.

511,239. KNIT AND WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND CHILDREN'S SLEEPERS. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C.
Filed Oct. 8, 1947, Serial No. 537,184. Published Feb. 22, 1949. Class 39.

511,240. KNIT AND WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND CHILDREN'S SLEEPERS. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C.
Filed Oct. 8, 1947, Serial No. 537,186. Published Feb. 22, 1949. Class 39.

511,241. TOOLS FOR INSTALLING PISTON RINGS ON PISTONS, PISTON SKIRT EXPANDERS, ETC. PERFECT CIRCLE CORPORATION, Hagerstown, Ind.
Filed Oct. 8, 1947, Serial No. 537,231. Published Mar. 8, 1949. Class 23.

511,242. MAGAZINE RELATING TO AUTOMOBILE BODIES AND RECONDITIONED AUTOMOBILES. SPOKESMAN PUBLISHING COMPANY, Cincinnati, Ohio.
Filed Oct. 8, 1947, Serial No. 537,250. Published Mar. 1, 1949. Class 38.

511,243. MEN'S SUITS, TOPCOATS, OVERCOATS, SPORT COATS, AND TROUSERS. REGENCY CLOTHES, Philadelphia, Pa.
Filed Oct. 9, 1947, Serial No. 537,361. Published Mar. 1, 1949. Class 39.

511,244. REFRIGERATORS FOR HOME USE, WATER COOLERS, CONDENSING UNITS FOR HOME AND COMMERCIAL USE AND REPLACEMENT PARTS THEREFOR. COPELAND REFRIGERATION CORPORATION, Sidney, Ohio.
Filed Oct. 10, 1947, Serial No. 537,426. Published Mar. 8, 1949. Class 31.

511,245. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Oct. 10, 1947, Serial No. 537,436. Published Mar. 1, 1949. Class 37.

511,246. CITRIC ACID. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Honolulu, Territory of Hawaii.
Filed Oct. 10, 1947, Serial No. 537,454. Published Mar. 8, 1949. Class 6.

511,247. STEAM TRAPS, AIR TRAPS, GASOLINE AND OIL PRESSURE REGULATING VALVES, ETC. STRONG, CARLISLE & HAMMOND COMPANY, Cleveland, Ohio.
Filed Oct. 10, 1947, Serial No. 537,465. Published Mar. 8, 1949. Class 13.

511,248. ELECTRIC HAIR CLIPPERS. ELECTRO TOOL CORPORATION, Racine, Wis.
Filed Oct. 11, 1947, Serial No. 537,576. Published Mar. 8, 1949. Class 23.

511,249. OIL FILTERS. WM. W. NOORNY & CO., INC., Chicago, Ill.
Filed Oct. 11, 1947, Serial No. 537,610. Published Mar. 8, 1949. Class 31.

511,250. CANNED CRANBERRY SAUCE. PAPPAS BROS., & GILLIES COMPANY, Egg Harbor City, N. J.
Filed Oct. 11, 1947, Serial No. 537,512. Published Mar. 8, 1949. Class 46.

511,251. GREEN OLIVES. LINDSAY RIPE OLIVE COMPANY, Lindsay, Calif.
Filed Oct. 13, 1947, Serial No. 537,710. Published Mar. 8, 1949. Class 46.

511,252. OLIVE OIL. LINDSAY RIPE OLIVE COMPANY, Lindsay, Calif.
Filed Oct. 13, 1947, Serial No. 537,712. Published Mar. 8, 1949. Class 46.

511,253. HOSIERY. ARBELS, INC., Philadelphia, Pa.
Filed Oct. 14, 1947, Serial No. 537,775. Published Feb. 22, 1949. Class 39.

511,254. METAL RAILWAY SPIKES. INLAND STEEL COMPANY, Chicago, Ill.
Filed Oct. 14, 1947, Serial No. 537,800. Published Mar. 8, 1949. Class 13.

511,255. SALT. MORTON SALT COMPANY, Chicago, Ill.
Filed Oct. 14, 1947, Serial No. 537,814. Published Mar. 1, 1949. Class 46.

511,256. ELECTRIC PAIL FOR HOUSEHOLD OR KITCHEN USE. ELECTROMASTER, INC., Mount Clemens, Mich., assignor to Philco Corporation, a corporation of Pennsylvania.
Filed Oct. 15, 1947, Serial No. 537,883. Published Mar. 8, 1949. Class 21.

511,257. BRUSHES AND BROOMS FOR CLEANING, SCRUBBING AND SWEEPING, ETC. THE BRITON BRUSH COMPANY, LIMITED, Wymondham, England.
Filed Oct. 16, 1947, Serial No. 537,977. Published Feb. 22, 1949. Class 29.

511,258. FRESH CITRUS FRUITS. J. FOSTER SLOAN, doing business as Sloan Groves Co., McIntosh, Fla.
Filed Oct. 16, 1947, Serial No. 538,046. Published Mar. 8, 1949. Class 46.

511,259. READY MIXED PAINT SOLD IN LIQUID FORM, VARNISHES AND PAINT ENAMELS. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill.
Filed Oct. 17, 1947, Serial No. 538,066. Published Mar. 15, 1949. Class 16.

511,260. PAINT ENAMELS. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill.
Filed Oct. 17, 1947, Serial No. 538,076. Published Mar. 15, 1949. Class 16.

511,261. VARNISH. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill.
Filed Oct. 17, 1947, Serial No. 538,078. Published Mar. 15, 1949. Class 16.

511,262. MEN'S SUITS, TOPCOATS, AND OVERCOATS. THE J. L. HUDSON COMPANY, Detroit, Mich.
Filed Oct. 17, 1947, Serial No. 538,139. Published Mar. 1, 1949. Class 39.

511,263. PEN SETS, FRISKET PAPER, ACETATE TRACING FILMS, PREFILING SORTERS, AND BRUSH MARKING PENS. MARSDEN, INC., Washington, D. C.
Filed Oct. 17, 1947, Serial No. 538,153. Published Mar. 1, 1949. Class 37.

511,264. MEN'S AND YOUNG MEN'S COATS AND COAT LININGS. SPECTOR BROTHERS, INC., Philadelphia, Pa.
Filed Oct. 17, 1947, Serial No. 538,188. Published Mar. 1, 1949. Class 39.

511,265. ELECTRICALLY HEATED STEAMER FOR ATOMIZING INSECTICIDAL SOLUTIONS. THE TANGLEFOOT COMPANY, Grand Rapids, Mich.
Filed Oct. 17, 1947, Serial No. 538,196. Published Mar. 8, 1949. Class 21.

511,266. RAZOR BLADES. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed Oct. 20, 1947, Serial No. 538,342. Published Mar. 8, 1949. Class 28.

511,267. BEER. BUTTE BREWING COMPANY, INC., Butte, Mont.
Filed Oct. 20, 1947, Serial No. 538,352. Published Mar. 15, 1949. Class 46.

511,268. LEATHER BELTING. PFEIFF BROS., Brooklyn, N. Y.
Filed Oct. 20, 1947, Serial No. 538,444. Published Mar. 8, 1949. Class 25.

511,269. MEN'S SHIRTS AND SPORT SHIRTS, PAJAMAS, AND SHORTS. BREWSTER SHIRT CORP., New York, N. Y.
Filed Oct. 21, 1947, Serial No. 538,490. Published Mar. 1, 1949. Class 39.

511,270. FOUNTAIN PENS, BALL PENS, AND MECHANICAL PENCILS. EVERLAST PEN CORPORATION, New York, N. Y.
Filed Oct. 21, 1947, Serial No. 538,507. Published Mar. 1, 1949. Class 37.

511,271. NON-HARDENING PLASTIC SEALING COMPOUNDS USED AS SEALING AGENTS BETWEEN THE FLANGES AND JOINTS OF TURBINES, PIPE LINES, ETC. GREENE, TWEED & Co., North Wales, Pa.
Filed Oct. 21, 1947, Serial No. 538,631. Published Mar. 8, 1949. Class 12.

511,272. BREAKFAST CEREALS—NAMELY, CORN FLAKES, ROLLED OATS, BRAN FLAKES, RICE PUFFS, AND WHEAT PUFFS, FLUID MILK, AND RICE. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Oct. 22, 1947, Serial No. 538,632. Published Mar. 1, 1949. Class 46.

511,273. CAST IRON PIPE AND FITTINGS THEREFOR. AMERICAN CAST IRON PIPE COMPANY, Birmingham, Ala.
Filed Oct. 23, 1947, Serial No. 538,702. Published Mar. 8, 1949. Class 13.

511,274. PAINTS (READY MIXED, SEMI PASTE AND PASTE FORM); VARNISHES; PAINT ENAMELS; ETC. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa.
Filed Oct. 23, 1947, Serial No. 538,772. Published Mar. 15, 1949. Class 16.

511,275. PAINTS (READY-MIXED, SEMI-PASTE AND PASTE FORM); VARNISHES; LACQUERS; PAINT ENAMELS; UNDERCOATERS IN THE NATURE OF PAINTS, VARNISHES, LACQUERS AND PAINT ENAMELS; THINNERS FOR PAINTS, VARNISHES, LACQUERS AND PAINT ENAMELS; AND PAINT AND VARNISH REMOVERS. W. W. LAWRENCE & COMPANY, doing business as Duquesne Paint Company, Pittsburgh, Pa.
Filed Oct. 23, 1947, Serial No. 538,781. Published Mar. 15, 1949. Class 16.

511,276. WOOD STAINS AND PAINTS (READY-MIXED OR PASTE FORM). W. W. LAWRENCE & COMPANY, Pittsburgh, Pa.
Filed Oct. 23, 1947, Serial No. 538,791. Published Mar. 15, 1949. Class 16.

511,277. SACK SUITS, SPORT SUITS, GOLF SUITS, FULL-DRESS SUITS, TUXEDO SUITS, OVERCOATS, TOPCOATS, RAINCOATS, AND UNIFORMS. HICKEY-FREEMAN COMPANY, Rochester, N. Y.
Filed Oct. 24, 1947, Serial No. 538,916. Published Mar. 1, 1949. Class 39.

511,278. FABRIC GLOVES AND KID GLOVES. WIMELBACHER & RICE INC., New York, N. Y.
Filed Oct. 24, 1947, Serial No. 539,001. Published Mar. 15, 1949. Class 39.

511,279. CANDY. PAUL F. BEICH Co., Bloomington, Ill.
Filed Oct. 27, 1947, Serial No. 539,120. Published Mar. 1, 1949. Class 46.

511,280. FRESH GRAPES. HARRY CARIAN, Coachella, Calif.
Filed Oct. 27, 1947, Serial No. 539,130. Published Mar. 1, 1949. Class 46.

511,281. BEER. GUNTHER BREWING COMPANY, INC., Baltimore, Md.
Filed Oct. 27, 1947, Serial No. 539,155. Published Mar. 8, 1949. Class 48.

511,282. WOOL SHIRTS AND WOOL JACKETS. THE JOHNSON COMPANY, Marshfield, Wis.
Filed Oct. 27, 1947, Serial No. 539,171. Published Mar. 1, 1949. Class 39.

511,283. WET SECONDARY BATTERIES. LANER SPRING AND TIRE CORPORATION, Oakland, Calif.
Filed Oct. 27, 1947, Serial No. 539,178. Published Sept. 7, 1948. Class 21.

511,284. PRINTED MUSICAL PUBLICATION. LAURENCE T. MACHOSE, Fullerton, Pa.
Filed Oct. 28, 1947, Serial No. 539,327. Published Mar. 8, 1949. Class 38.

511,285. BOYS' SUITS, TOP COATS, OVERCOATS, SPORT JACKETS, MACKINAWS, AND LEGGING SETS. GLADSTONE BROS., New York, N. Y.
Filed Oct. 29, 1947, Serial No. 539,410. Published Mar. 8, 1949. Class 39.

511,286. PEANUT BUTTER SANDWICHES. THE PRICE-WILHOITE COMPANY, Frederick, Md.
Filed Oct. 29, 1947, Serial No. 539,438. Published Mar. 8, 1949. Class 46.

511,287. BUSHED CABLE; FLEXIBLE METALLIC CABLE OR CONDUIT AND FLEXIBLE NON-METALLIC CABLE CONDUIT OR TUBE. EASTERN TUBE AND TOOL CO., INC., Brooklyn, N. Y.
Filed Oct. 30, 1947, Serial No. 539,504. Published Mar. 15, 1949. Class 21.

511,288. STATIONERY AND SCHOOL SUPPLIES—NAMELY, PENCILS, PENCIL TABLETS, NOTEBOOK FILLERS, TYPEWRITER PAPER, TYPEWRITER SECOND SHEETS, COMPOSITION BOOKS, AND NOTE BOOKS. SPRINGFIELD GROCER COMPANY, Springfield, Mo.
Filed Oct. 30, 1947, Serial No. 539,574. Published Mar. 8, 1949. Class 37.

511,289. PAINT AND PAINT ENAMEL IN LIQUID FORM. MINNESOTA LINSEED OIL PAINT COMPANY, Minneapolis, Minn., now by change of name Minnesota Paints, Inc., a corporation of Minnesota.
Filed July 5, 1947, Serial No. 593,598. Published Jan. 25, 1949. Class 16.

511,290. BREAKFAST, LUNCHEON, AND DINNER GLASS TABLEWARE, AND BEVERAGE GLASSES. GEO. BORGFELDT CORPORATION, New York, N. Y.
Filed Oct. 31, 1947, Serial No. 539,640. Published Mar. 8, 1949. Class 33.

511,291. PAINT, IN LIQUID AND PASTE FORM AND PAINT ENAMEL. STETSON PAINT & VARNISH COMPANY, Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,772. Published Mar. 15, 1949. Class 16.

511,292. LIQUID COATING COMPOSITION IN THE NATURE OF A SHELLAC. STETSON PAINT & VARNISH COMPANY, Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,777. Published Feb. 8, 1949. Class 16.

511,293. VARNISH, PAINT IN LIQUID AND PASTE FORM, AND PAINT ENAMEL. STETSON PAINT & VARNISH COMPANY, Chicago, Ill.
Filed Oct. 31, 1947, Serial No. 539,788. Published Mar. 15, 1949. Class 16.

511,294. VACUUM PRECIPITATION PROCESS EQUIPMENT—NAMELY, CYANIDE SOLUTION DEAERATING EQUIPMENT AND CYANIDE PRECIPITATION APPARATUS, INCLUDING CLARIFYING EQUIPMENT, DEAERATING EQUIPMENT, PRECIPITATING FILTERS, FILTER PRESSES, VACUUM FILTER LEAVES, BAG TYPE FILTERS, AND REAGENT FEEDERS FOR USE IN THE RECOVERY OF GOLD AND SILVER FROM CYANIDE SOLUTIONS. THE MERRILL COMPANY, San Francisco, Calif.
Filed Nov. 3, 1947, Serial No. 539,971. Published Mar. 8, 1949. Class 31.

511,295. MEN'S, WOMEN'S, AND CHILDREN'S COWBOY SHIRTS. LOUISE SMITH, Muskogee, Okla.
Filed Nov. 4, 1947, Serial No. 540,112. Published Mar. 8, 1949. Class 39.

511,296. RUBBER AND COMPOSITION SOLES AND HEELS. ESSEX RUBBER COMPANY, Trenton, N. J.
Filed Nov. 6, 1947, Serial No. 540,268. Published Mar. 8, 1949. Class 39.

511,297. MEN'S COATS, OVERCOATS, TOPCOATS, AND RAINCOATS. HARVARD CLOTHING CO., INC., Boston, Mass.
Filed Nov. 7, 1947, Serial No. 540,412. Published Mar. 1, 1949. Class 39.

511,298. DRESSES AND SUITS FOR WOMEN. THE MATERNITY SHOP, Washington, D. C.
Filed Nov. 10, 1947, Serial No. 540,633. Published Mar. 15, 1949. Class 39.

511,299. DISTILLED POTABLE ALCOHOLIC BEVERAGES—NAMELY, WHISKEY. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed Nov. 12, 1947, Serial No. 540,780. Published Mar. 8, 1949. Class 49.

511,300. SHOES AND SLIPPERS FOR LADIES AND CHILDREN. TED DENENBERG, Philadelphia, Pa., assignor to Banner Shoe Accessory Co., Philadelphia, Pa.
Filed Nov. 12, 1947, Serial No. 540,790. Published Mar. 1, 1949. Class 39.

511,301. SOAP. THE M. WERK COMPANY, St. Bernard, Ohio.
Filed Nov. 12, 1947, Serial No. 540,948. Published Sept. 14, 1948. Class 4.

511,302. HAIR RINSE, HAIR COLORING, HAIR COLOR TOUCH-UP PENCIL, AND CREAM SHAMPOO. TINTZ COMPANY, Chicago, Ill.
Filed Nov. 13, 1947, Serial No. 541,052. Published Mar. 8, 1949. Class 6.

511,303. MEN'S AND BOYS' UNDERWEAR—NAMELY, SHIRTS, DRAWERS, AND UNION SUITS. THE CAMPE CORPORATION, New York, N. Y.
Filed Nov. 14, 1947, Serial No. 541,086. Published Mar. 8, 1949. Class 39.

511,304. HANDKERCHIEFS AND SCARFS. CARSON-DEANE & Co., INC., Chicago, Ill.
Filed Nov. 14, 1947, Serial No. 541,089. Published Mar. 1, 1949. Class 39.

511,305. GINGER BEER, GINGER ALE, QUININE WATER, AND LEMON SQUASH, AND SYRUPS AND CONCENTRATES FOR MAKING NON-ALCOHOLIC, MALTLESS BEVERAGES. COCK 'N BULL PRODUCTS, Los Angeles, Calif.
Filed Nov. 14, 1947, Serial No. 541,093. Published Mar. 8, 1949. Class 45.

511,306. CANNED EVAPORATED MILK, PEAS, GREEN BEANS, RED BEANS, AND BAKED BEANS. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Nov. 14, 1947, Serial No. 541,136. Published Mar. 8, 1949. Class 46.

511,307. PANCAKE SYRUP, SPAGHETTI SAUCE, SELF-RISING PANCAKE FLOUR, AND COOKIES. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Nov. 14, 1947, Serial No. 541,137. Published Mar. 8, 1949. Class 46.

511,308. SPACKLING COMPOUND TO BE MIXED WITH WATER TO FORM A MORTAR AND APPLIED WITH A CASE KNIFE OR TROWEL TO FILL SMALL CRACKS AND TO LEVEL THE SURFACES OF PLASTER, WOOD, OR METAL. RUTLAND FIRE CLAY COMPANY, Rutland, Vt.
Filed Nov. 14, 1947, Serial No. 541,188. Published Mar. 8, 1949. Class 12.

511,309. RUM. JARDINE LIQUOR CORPORATION, Maspeth, Long Island, N. Y., assignor to Jardine, Inc., Maspeth, Long Island, N. Y., a corporation of Delaware.
Filed Nov. 15, 1947, Serial No. 541,306. Published Mar. 22, 1949. Class 49.

511,310. ELECTRIC MOTORS—NAMELY, POLYPHASE INDUCTION MOTORS, SLIP-RING MOTORS, VERTICAL MOTORS, AND BACK-GEARED MOTORS FOR ARC WELDERS AND MOTOR-GENERATOR SETS AND FOR PARTS OF THE FOREGOING. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio.
Filed Nov. 15, 1947, Serial No. 541,309. Published Mar. 8, 1949. Class 21.

511,311. ZIPPER BRIEF CASES, BRIEF CASES. STATIONERS' GUILD OF AMERICA, Philadelphia, Pa.
Filed Nov. 24, 1947, Serial No. 541,872. Published Jan. 18, 1949. Class 3.

511,312. PROTECTIVE AND CORROSION-RESISTANT COATINGS AND LININGS, ETC. HEIL PROCESS EQUIPMENT CORP., Cleveland, Ohio.
Filed Nov. 18, 1947, Serial No. 541,541. Published Mar. 15, 1949. Class 16.

511,313. INSECTICIDES AND FUNGICIDES IN THE FORM OF SPRAYS AND DUSTING POWDERS. THE FARM BUREAU COOPERATIVE ASSOCIATION, INC., Columbus, Ohio.
Filed Nov. 19, 1947, Serial No. 541,660. Published Mar. 15, 1949. Class 6.

511,314. RUGS AND CARPETS. MOHAWK CARPET MILLS, INC., Amsterdam, N. Y.
Filed Nov. 19, 1947, Serial No. 541,690. Published Sept. 14, 1948. Class 42.

511,315. SPECIALLY PREPARED DRIED MILK. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed July 22, 1947, Serial No. 541,755. Published Sept. 14, 1948. Class 46.

511,316. WHISKEY. MEDLEY DISTILLING COMPANY, Owensboro, Ky.
Filed Nov. 20, 1947, Serial No. 541,855. Published Mar. 8, 1949. Class 49.

511,317. MATTRESSES. THE STEARNS & FOSTER COMPANY, Cincinnati, Ohio.
Filed Nov. 20, 1947, Serial No. 541,891. Published Mar. 1, 1949. Class 32.

511,318. ELECTRIC ORNAMENTAL LIGHT FIXTURES, ELECTRICALLY ILLUMINATED CHRISTMAS TREE ORNAMENTS, AND ELECTRICALLY ILLUMINATED IMITATION CANDLES, MADE OF PLASTIC MATERIALS. BURKLITE MFG. CO., INC., Dayton, Ohio.
Filed Nov. 21, 1947, Serial No. 541,915. Published Mar. 15, 1949. Class 21.

511,319. MEN'S AND BOYS' GLOVES MADE OF LEATHER AND/OR FABRIC AND MITTENS. BACMO POSTMAN CORPORATION, New York, N. Y.
Filed Nov. 24, 1947, Serial No. 542,070. Published Mar. 8, 1949. Class 39.

511,320. RADIO RECEIVING SETS AND COMBINATION PHONOGRAPHS AND RADIO RECEIVING SETS. GENERAL PHONNIX CORPORATION, New York, N. Y.
Filed Nov. 24, 1947, Serial No. 542,110. Published Mar. 15, 1949. Class 21.

511,321. MEN'S AND BOYS' SUITS, COATS, VESTS, TROUSERS, OVERCOATS, DRESS SUITS, AND SCARFS. LOUIS GOLDSMITH, INC., Philadelphia, Pa.
Filed Nov. 24, 1947, Serial No. 542,114. Published Mar. 8, 1949. Class 39.

511,322. MEN'S AND BOYS' SUITS, COATS, VESTS, TROUSERS, OVERCOATS, DRESS SUITS, AND SCARFS. LOUIS GOLDSMITH, INC., Philadelphia, Pa.
Filed Nov. 24, 1947, Serial No. 542,115. Published Mar. 8, 1949. Class 39.

511,323. ASPHALT FLOOR TILE. MASTIC TILE CORPORATION OF AMERICA, Newburgh, N. Y.
Filed Nov. 24, 1947, Serial No. 542,148. Published Feb. 22, 1949. Class 20.

511,324. DAVENPORTS, SOFAS, LOVE SEATS, CHAIRS OF THE FURNITURE TYPE, ROCKING CHAIRS, TABLES OF THE FURNITURE TYPE, DESKS, BEDS, DRESSERS, CHESTS OF THE FURNITURE TYPE, SIDEBOARDS, BUFFETS, AND CHINA CLOSETS. S. KARPEN & BROS., Chicago, Ill.
Filed Aug. 13, 1947, Serial No. 542,209. Published Mar. 1, 1949. Class 32.

511,325. FURNITURE EITHER ALL-WOOD FURNITURE, ALL-UPHOLSTERY FURNITURE, ETC. S. KARPEN & BROS., Lexington, Ky.
Filed Aug. 13, 1947, Serial No. 542,215. Published Mar. 1, 1949. Class 32.

511,326. BEER. COLUMBIA BREWERIES, INC., Tacoma, Wash.
Filed Nov. 25, 1947, Serial No. 542,287. Published Mar. 1, 1949. Class 48.

511,327. HOOKS, HITCHES, AND CLAMPS AS USED FOR TETHERING CATTLE. INTERLOCK CORPORATION, Newark, N. J.
Filed Nov. 25, 1947, Serial No. 542,319. Published Mar. 8, 1949. Class 13.

511,328. MEN'S AND WOMEN'S SLACKS, SHORTS; SPORT COATS, JACKETS, SUITS, ENSEMBLES, COMPRISING A SHIRT AND A PAIR OF SLACKS EITHER OF CONTRASTED OR OF THE SAME COLOR, DRESS NEGLIGEE, AND WORK SHIRTS AND BREECHES. LAMM BROTHERS, INC., Baltimore, Md.
Filed Sept. 24, 1947, Serial No. 542,420. Published Mar. 15, 1949. Class 39.

511,329. OVERALLS FOR MEN AND WOMEN. TWIN CITY WHOLESALE GROCER CO., St. Paul, Minn.
Filed Sept. 27, 1947, Serial No. 542,423. Published Mar. 8, 1949. Class 39.

511,330. SWISS CHEESE. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Nov. 26, 1947, Serial No. 542,466. Published Mar. 8, 1949. Class 46.

511,331. BRASSIÈRES. NUZAN BRASSIERE CO., INC., New York, N. Y., assignor to Surprise Brassiere Co., Inc., New York, N. Y., a corporation of New York.
Filed Nov. 26, 1947, Serial No. 542,484. Published Mar. 15, 1949. Class 39.

511,332. ELECTRIC TOASTERS. THE TOASTRWELL COMPANY, INCORPORATED, St. Louis, Mo.
Filed Nov. 26, 1947, Serial No. 542,491. Published Mar. 15, 1949. Class 21.

511,333. FRESH CITRUS FRUITS. FONTANA CITRUS ASSOCIATION, Fontana, Calif.
Filed Nov. 28, 1947, Serial No. 542,557. Published Mar. 8, 1949. Class 46.

511,334. DRESS-UP MASQUERADE COSTUMES SUCH AS HALLOWEEN GARBS. J. HALPERN COMPANY, Pittsburgh, Pa.
Filed Nov. 28, 1947, Serial No. 542,570. Published Mar. 8, 1949. Class 39.

511,335. HAIR BRUSHES. LACTONA INCORPORATED, St. Paul, Minn.
Filed Nov. 28, 1947, Serial No. 542,595. Published Jan. 4, 1949. Class 29.

511,336. HAIR BRUSHES. LACTONA INCORPORATED, St. Paul, Minn.
Filed Nov. 28, 1947, Serial No. 542,596. Published Jan. 4, 1949. Class 29.

511,337. PRINTED FOLDERS OR BOOKS CONTAINING MAPS, INSTRUCTIONS, AND OTHER DATA. SPORTSMAN AID CORP., Riverside, Ill.
Filed Nov. 28, 1947, Serial No. 542,675. Published Mar. 1, 1949. Class 38.

511,338. BEER. JOHN F. TROMMER, INC., Brooklyn, N. Y.
Filed Nov. 28, 1947, Serial No. 542,686. Published Mar. 1, 1949. Class 48.

511,339. BOND PAPER. DIXON & COMPANY, Salt Lake City, Utah.
Filed Dec. 1, 1947, Serial No. 542,821. Published Mar. 8, 1949. Class 37.

511,340. RADIO ANTENNA. THE WARD PRODUCTS CORPORATION, Cleveland, Ohio.
Filed Dec. 2, 1947, Serial No. 542,968. Published Mar. 15, 1949. Class 21.

511,341. TRANSPARENT GELATINE PAPER. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed Sept. 9, 1947, Serial No. 543,011. Published Feb. 8, 1949. Class 37.

511,342. HANDKERCHIEFS. PEERLESS WOLFSON COMPANY, Chicago, Ill.
Filed Dec. 4, 1947, Serial No. 543,321. Published Mar. 1, 1949. Class 39.

511,343. CHAINS FOR GENERAL USE NOT INCLUDING POWER TRANSMISSION CHAINS, THUMB NUTS, THUMB SCREWS, ROD ENDS, YOKE ENDS, EYE BOLTS, EYE NUTS, AND HOIST HOOKS. THE BILLINGS & SPENCER COMPANY, Hartford, Conn.
Filed Oct. 2, 1947, Serial No. 543,352. Published Mar. 8, 1949. Class 13.

511,344. SYNTHETIC RESIN COATING COMPOSITIONS, ETC. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed Dec. 5, 1947, Serial No. 543,509. Published Mar. 15, 1949. Class 16.

511,345. WATERPROOF WRAPPING AND LINING PAPER, USED IN WRAPPING, PACKING, AND LINING INDUSTRIAL MATERIALS. NATIONAL WATERPROOFING COMPANY, Camden, N. J.
Filed Dec. 5, 1947, Serial No. 543,515. Published Mar. 1, 1949. Class 37.

511,346. OYSTERS IN THEIR NATURAL STATE. J. & J. W. ELSWORTH CO., New York, N. Y.
Filed Dec. 6, 1947, Serial No. 543,581. Published Mar. 1, 1949. Class 46.

511,347. PENS AND PENCILS. EVERSHARP, INC., Chicago, Ill.
Filed Dec. 6, 1947, Serial No. 543,587. Published Mar. 1, 1949. Class 37.

511,348. BRASSIÈRES. NUZAN BRASSIERE CO., INC., New York, N. Y., assignor to Surprise Brassiere Co., Inc., New York, N. Y., a corporation of New York.
Filed Dec. 6, 1947, Serial No. 543,651. Published Mar. 15, 1949. Class 39.

511,349. INDUSTRIAL UNIFORMS FOR MEN. COHLMAN & CUTLER, INCORPORATED, Philadelphia, Pa.
Filed Dec. 9, 1947, Serial No. 543,784. Published Mar. 8, 1949. Class 39.

511,350. PARTIALLY PRINTED BUSINESS FORMS. DITTO, INCORPORATED, Chicago, Ill.
Filed Dec. 11, 1947, Serial No. 544,065. Published Feb. 8, 1949. Class 37.

511,351. MOPS. CALIFORNIA COTTON MILLS COMPANY, Oakland, Calif.
Filed Dec. 13, 1947, Serial No. 544,252. Published Jan. 4, 1949. Class 29.

511,352. MACHINE FOR MIXING DENTAL MIX FOR THE FILLING OF TEETH. MASTER APPLIANCE MFG. COMPANY, Racine, Wis.
Filed Dec. 13, 1947, Serial No. 544,271. Published Mar. 1, 1949. Class 44.

511,353. PUBLICATION ISSUED ANNUALLY, OF GENERAL INTEREST TO BUSINESS, CLUB, AND INDUSTRIAL EMPLOYER GROUP EXECUTIVES, IN LOOSE-LEAF FORM, SUPPLEMENTED BY MONTHLY RELEASES. HENRY J. WINNEBERG, doing business as National Program Service, Chicago, Ill.
Filed Dec. 15, 1947, Serial No. 544,417. Published Mar. 8, 1949. Class 38.

511,354. CLEANSING COMPOUND CONTAINING SILICATE OF SODA, ETC. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Oct. 21, 1947, Serial No. 544,655. Published May 25, 1948. Class 4.

511,355. RADIO RECEIVING SETS. THE HALLICRAFTERS CO., Chicago, Ill.
Filed Dec. 18, 1947, Serial No. 544,739. Published Mar. 15, 1949. Class 21.

511,356. GASKET SHELLAC; RUBBER BASED WHITE TIRE COATING, ETC. JOHN T. STANLEY COMPANY, INC., New York, N. Y.
Filed Dec. 19, 1947, Serial No. 544,923. Published Mar. 15, 1949. Class 16.

511,357. LADIES' HOSIERY. RAYPEL HOSIERY MILLS, INC., Phoenixville, Pa.
Filed Dec. 22, 1947, Serial No. 545,167. Published Feb. 22, 1949. Class 39.

511,358. PREPARATION, TO BE USED AS AN ADDITIVE, TO PREVENT AND ELIMINATE RUST, SCALE, AND MINERAL DEPOSITS FROM RADIATORS AND OTHER WATER CIRCULATING SYSTEMS. OAKEY LABORATORIES, INC., Buffalo, N. Y.
Filed Dec. 26, 1947, Serial No. 545,472. Published Aug. 3, 1948. Class 6.

511,359. SHOE BUCKLES NOT MADE OF PRECIOUS METAL AND NOT EMBOSSED WITH PRECIOUS STONES. I. MILLER & SONS, INC., Long Island City, N. Y.
Filed Dec. 26, 1947, Serial No. 545,505. Published Mar. 15, 1949. Class 40.

511,360. HOSE, INCLUDING WELDING HOSE. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Dec. 26, 1947, Serial No. 545,516. Published Mar. 8, 1949. Class 35.

511,361. COLLARS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed Dec. 30, 1947, Serial No. 545,707. Published Mar. 1, 1949. Class 39.

511,362. BRUSHES—NAMELY, SCRUB, STREET, TOILET, CLOTHES, SPITTOON, WALL, FLOOR, HAIR, HORSE, NAIL, AND HAND; BROOMS AND FLOOR MOPS. OX FIBRE BRUSH COMPANY, INC., Frederick, Md.
Filed Dec. 30, 1947, Serial No. 545,759. Published Jan. 11, 1949. Class 29.

511,363. BRUSHES—NAMELY, SCRUB, STREET, TOILET, CLOTHES, SPITTOON, WALL, FLOOR, HAIR, HORSE, NAIL, AND HAND; BROOMS AND FLOOR MOPS. OX FIBRE BRUSH COMPANY, INC., Frederick, Md.
Filed Dec. 30, 1947, Serial No. 545,760. Published Jan. 11, 1949. Class 29.

511,364. CANNED VEGETABLES, BEANS WITH PORK, VEGETABLE SOUP, SPAGHETTI, MAYONNAISE. H. P. TAYLOR, JR., INC., Richmond, Va.
Filed Dec. 31, 1947, Serial No. 545,912. Published Mar. 8, 1949. Class 46.

511,365. CANNED SALMON. SAN JUAN FISHING & PACKING COMPANY, Seattle, Wash.
Filed Jan. 2, 1948, Serial No. 546,043. Published Mar. 8, 1949. Class 46.

511,366. SPARK PLUGS. AUBURN SPARK PLUG CO., INC., Auburn, N. Y.
Filed Jan. 5, 1948, Serial No. 546,172. Published Mar. 8, 1949. Class 21.

511,367. BROOMS. ATLANTIC SOUTHWESTERN BROOM CO., Baltimore, Md.
Filed Jan. 6, 1948, Serial No. 546,276. Published Jan. 11, 1949. Class 29.

511,368. PAINT BRUSHES INCLUDING THOSE WITH QUILL HANDLES. DELTA BRUSH MFG. CORP., New York, N. Y.
Filed Jan. 6, 1948, Serial No. 546,282. Published Jan. 11, 1949. Class 29.

511,369. ARTISTS' BRUSHES. M. GRUMBACHER, INC., New York, N. Y.
Filed Jan. 6, 1948, Serial No. 546,292. Published Jan. 4, 1949. Class 29.

511,370. PAPER NAPKINS. ERVING PAPER MILLS, Erving, Mass.
Filed Jan. 8, 1948, Serial No. 546,475. Published Mar. 1, 1949. Class 37.

511,371. PAPER NAPKINS, PAPER TOWELS, TOILET TISSUE. ERVING PAPER MILLS, Erving, Mass.
Filed Jan. 8, 1948, Serial No. 546,476. Published Mar. 1, 1949. Class 37.

511,372. PAPER NAPKINS. ERVING PAPER MILLS, Erving, Mass.
Filed Jan. 8, 1948, Serial No. 546,479. Published Mar. 1, 1949. Class 37.

511,373. PAPER NAPKINS. ERVING PAPER MILLS, Erving, Mass.
Filed Jan. 8, 1948, Serial No. 546,480. Published Mar. 1, 1949. Class 37.

511,374. PAPER NAPKINS, PAPER TABLE COVERS, AND PAPER TRAY COVERS. ERVING PAPER MILLS, Erving, Mass.
Filed Jan. 8, 1948, Serial No. 546,487. Published Mar. 1, 1949. Class 37.

511,375. PAPER NAPKINS. ERVING PAPER MILLS, Erving, Mass.
Filed Jan. 8, 1948, Serial No. 546,488. Published Mar. 1, 1949. Class 37.

511,376. WHISKEY. NATIONAL DISTILLERS PRODUCTS CORPORATION, New York, N. Y.
Filed Jan. 8, 1948, Serial No. 546,509. Published Feb. 8, 1949. Class 49.

511,377. PUBLICATION ISSUED PERIODICALLY. A. C. BECKEN CO., Chicago, Ill.
Filed July 21, 1947, Serial No. 546,902. Published Mar. 8, 1949. Class 38.

511,378. FURNITURE POLISH. H. H. GRIFFIN, doing business as Griffin Manufacturing Company, Portland, Oreg.
Filed Jan. 14, 1948, Serial No. 546,992. Published Mar. 15, 1949. Class 16.

511,379. ANTISEPTIC AND MEDICATED FOOT POWDERS, AND LOTIONS, BALMS, AND SALVES FOR THE RELIEF OF CORNS, BUNIONS, ETC. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed Jan. 14, 1948, Serial No. 547,040. Published Mar. 8, 1949. Class 6.

511,380. PERMANENT WAVE MACHINE. ROSE TRAPP, Salt Lake City, Utah.
Filed Jan. 14, 1948, Serial No. 547,072. Published Feb. 22, 1949. Class 44.

511,381. BLENDED SCOTCH WHISKY. HILL, THOMSON & CO. LIMITED, Edinburgh, Scotland.
Filed Jan. 15, 1948, Serial No. 547,118. Published Feb. 8, 1949. Class 49.

511,382. GIN. HILL, THOMSON & CO. LIMITED, Edinburgh, Scotland.
Filed Jan. 15, 1948, Serial No. 547,119. Published Mar. 15, 1949. Class 49.

511,383. BLENDED SCOTCH WHISKY. HILL, THOMSON & CO. LIMITED, Edinburgh, Scotland.
Filed Jan. 15, 1948, Serial No. 547,120. Published Feb. 8, 1949. Class 49.

511,384. LADIES' SLIPS, NIGHTGOWNS, PAJAMAS, ETC. LENORA UNDERGARMENT CO., INC., New York, N. Y.
Filed Jan. 15, 1948, Serial No. 547,132. Published Mar. 15, 1949. Class 39.

511,385. PREPARATION IN LIQUID, CREAM, AND PASTE FORM FOR CLEANING AND POLISHING SHOES. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed Jan. 17, 1948, Serial No. 547,338. Published Mar. 15, 1949. Class 4.

511,386. WALL MIRRORS, HAND MIRRORS, AND MIRRORS IN THE NATURE OF FURNITURE. SIMON BACHE & COMPANY, New York, N. Y.
Filed Sept. 20, 1947, Serial No. 547,384. Published Mar. 8, 1949. Class 32.

511,387. SILICATE OF SODA. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Sept. 23, 1947, Serial No. 547,401. Published Mar. 8, 1949. Class 6.

511,388. BEER. JACOB RUPPERT, New York, N. Y.
Filed Oct. 9, 1947, Serial No. 547,408. Published Mar. 1, 1949. Class 48.

511,389. ALE. JACOB RUPPERT, New York, N. Y.
Filed Oct. 9, 1947, Serial No. 547,409. Published Mar. 1, 1949. Class 48.

511,390. PORT, SHERRY, AND MUSCATEL WINES. THE HAMMER COMPANY, Cleveland, Ohio.
Filed Jan. 19, 1948, Serial No. 547,449. Published Mar. 15, 1949. Class 47.

511,391. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Jan. 20, 1948, Serial No. 547,525. Published Feb. 8, 1949. Class 37.

511,392. LEAD PENCILS AND PENHOLDERS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Jan. 20, 1948, Serial No. 547,527. Published Feb. 8, 1949. Class 37.

511,393. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Jan. 20, 1948, Serial No. 547,528. Published Feb. 8, 1949. Class 37.

511,394. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Jan. 20, 1948, Serial No. 547,530. Published Mar. 8, 1949. Class 37.

511,395. PENCILS FOR MARKING GLAZED SURFACES. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Jan. 20, 1948, Serial No. 547,531. Published Feb. 15, 1949. Class 37.

511,396. RUBBER ERASERS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Jan. 20, 1948, Serial No. 547,532. Published Feb. 15, 1949. Class 37.

511,397. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Jan. 20, 1948, Serial No. 547,533. Published Feb. 15, 1949. Class 37.

511,398. BUCKLES FOR PERSONAL-WEAR BELTS AND SLIDES FOR PERSONAL-WEAR BELTS, NOT OF PRECIOUS METAL. HICKOK MANUFACTURING CO. INC., Rochester, N. Y.
Filed Jan. 20, 1948, Serial No. 547,549. Published Mar. 8, 1949. Class 40.

511,399. WAXED OR PLAIN PAPER USED FOR FOOD WRAPPING AND OTHER CONVERTING PURPOSES. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass.
Filed Jan. 20, 1948, Serial No. 547,552. Published Mar. 8, 1949. Class 37.

511,400. OILED OR PLAIN PAPER USED FOR STENCIL BACKING AND OTHER CONVERTING PURPOSES. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass.
Filed Jan. 20, 1948, Serial No. 547,553. Published Mar. 8, 1949. Class 37.

511,401. SPOTLIGHTS IN DASH AND ROOF MODELS FOR AUTOMOTIVE USE, AND IN DIRECT AND REMOTE CONTROL MODELS FOR MARINE USE. ARNOLT CORPORATION, Warsaw, Ind.
Filed Jan. 23, 1948, Serial No. 547,815. Published Mar. 8, 1949. Class 21.

511,402. GRAPE BEVERAGE BASE OR EXTRACT FOR USE IN MAKING CARBONATED BEVERAGES. BLUE SEAL EXTRACT COMPANY, Cambridge, Mass.
Filed Jan. 26, 1948, Serial No. 547,968. Published Feb. 8, 1949. Class 45.

511,403. FLOOR WAXES, POLISHES, AND OILS. JANITORS SUPPLY HOUSE, INCORPORATED, Baltimore, Md.
Filed Jan. 26, 1948, Serial No. 547,995. Published Mar. 15, 1949. Class 16.

511,404. ELECTRICAL PHONOGRAPHS AND PARTS THEREOF AND RECORDS OF THE MAGNETIC WIRE OR TAPE VARIETY THEREFOR. HOWARD D. PARSONS, doing business as Howard D. Parsons Enterprises, Kansas City, Mo.
Filed Jan. 26, 1948, Serial No. 548,013. Published Mar. 8, 1949. Class 21.

511,405. SYRUP FLAVOR BASES AND FRUIT ACID SOLUTIONS FOR MAKING SODA FOUNTAIN BEVERAGES, AND PURE FRUIT POWDERS AND CONCENTRATES FOR MAKING SOFT DRINKS. KITCHEN CRAFT FOODS CORPORATION, Brooklyn, N. Y.
Filed Jan. 27, 1948, Serial No. 548,085. Published Feb. 1, 1949. Class 45.

511,406. WINES. CELLA VINEYARDS, doing business as Master Vintners Wine Co., Reedley, Calif.
Filed Jan. 28, 1948, Serial No. 548,135. Published Feb. 8, 1949. Class 47.

511,407. ELECTRIC LANTERN ON A POST. ARTHUR K. WILLIAMS, doing business as The "Host Post" Company, Cleveland Heights, Ohio.
Filed Jan. 28, 1948, Serial No. 548,204. Published Mar. 15, 1949. Class 21.

511,408. HASSOCKS AND SLIP COVERS FOR FURNITURE. CRAWFORD MANUFACTURING CO., INC., Richmond, Va.
Filed Jan. 29, 1948, Serial No. 548,241. Published Feb. 22, 1949. Class 32.

511,409. WOMEN'S SHOES MADE OF FABRIC AND LEATHER AND COMBINATIONS OF FABRICS AND LEATHER. O'CONNOR & GOLDBERG, Chicago, Ill.
Filed Jan. 31, 1948, Serial No. 548,519. Published Mar. 15, 1949. Class 39.

511,410. FABRICS OF SILK, WOOL, COTTON, MAN-MADE FIBERS, AND COMBINATIONS THEREOF. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y.
Filed Jan. 31, 1948, Serial No. 548,538. Published Feb. 15, 1949. Class 42.

511,411. WOMEN'S AND CHILDREN'S UNDERWEAR, PAJAMAS, NIGHTGOWNS, AND MEN'S UNDERSHIRTS AND SHORTS. KINGSBORO SILK MILLS, INC., Daisy, Tenn., and Gloversville, N. Y.
Filed Feb. 3, 1948, Serial No. 548,656. Published Mar. 1, 1949. Class 39.

511,412. COMPOUNDS FOR DISSOLVING GREASE AND OIL. MOTO-SWAY CORPORATION OF AMERICA, South Pasadena, Calif.
Filed Feb. 6, 1948, Serial No. 548,988. Published Mar. 15, 1949. Class 4.

511,413. SYNTHETIC RESINS. SHELL CHEMICAL CORPORATION, San Francisco, Calif.
Filed Feb. 9, 1948, Serial No. 549,179. Published Mar. 15, 1949. Class 1.

511,414. BRACES, GARTERS, AND APPAREL BELTS. HICKOK MANUFACTURING CO. INC., Rochester, N. Y.
Filed Feb. 10, 1948, Serial No. 549,246. Published Mar. 1, 1949. Class 39.

511,415. BOX SPRINGS. SIMMONS COMPANY, New York, N. Y.
Filed Feb. 10, 1948, Serial No. 549,283. Published Mar. 8, 1949. Class 32.

511,416. MAILING ENVELOPES. QUALITY PARK ENVELOPE COMPANY, St. Paul, Minn.
Filed Nov. 5, 1947, Serial No. 549,333. Published Mar. 8, 1949. Class 37.

511,417. COTTON BATTING. THE STEARNS & FOSTER COMPANY, Cincinnati, Ohio.
Filed Nov. 18, 1947, Serial No. 549,373. Published Mar. 15, 1949. Class 1.

511,418. MINERAL AND LIKE ADDITIONS FOR FEEDS SUCH AS A SUPPLEMENT FOR FEED FOR POULTRY, LIVE STOCK, AND OTHER ANIMALS, AND WHEREIN THE SUPPLEMENT IS PREDOMINANTLY OF MINERAL OR CHEMICAL CHARACTER. THE FARM MINERALS COMPANY, INC., Indianapolis, Ind.
Filed Jan. 26, 1948, Serial No. 549,428. Published Feb. 22, 1949. Class 6.

511,419. COMIC STRIPS AND NEWSPAPER COLUMNS FOR ADVERTISING OR ENTERTAINMENT PURPOSES. BUSY LEE, INC., New York, N. Y.
Filed Feb. 12, 1948, Serial No. 549,499. Published Mar. 8, 1949. Class 38.

511,420. MAGAZINE OR PERIODICAL PUBLISHED MONTHLY. HILLMAN PERIODICALS, INC., New York, N. Y.
Filed Feb. 12, 1948, Serial No. 549,544. Published Mar. 8, 1949. Class 38.

511,421. INSULATED ELECTRICAL CONDUCTORS AND CABLES. NOMA ELECTRIC CORPORATION, doing business as The Ansonia Electrical Division of Noma Electric Corporation, New York, N. Y., and Ansonia, Conn.
Filed Feb. 14, 1948, Serial No. 549,743. Published Mar. 15, 1949. Class 21.

511,422. FILE AND CLASSIFICATION CARDS WITH APERTURES IN WHICH FILMS OR OTHER MATTER ARE TO BE PLACED. FILM 'N FILE, INC., New York, N. Y.
Filed Feb. 16, 1948, Serial No. 549,795. Published Mar. 8, 1949. Class 37.

511,423. CABINET AND TABLE MODEL RADIO-RECEIVING SETS WITH AND WITHOUT PHONOGRAPH RECORD-PLAYING EQUIPMENT, RADIO DRY CELL BATTERIES, AND RADIO TUBES. THE CUNNINGHAM AND FEARN COMPANY, Columbus, Ohio.
Filed Feb. 17, 1948, Serial No. 549,907. Published Mar. 15, 1949. Class 21.

511,424. ELECTRO-SENSITIVE FACSIMILE RECORDING PAPER. FINCH TELECOMMUNICATIONS, INC., Passaic, N. J.
Filed Feb. 17, 1948, Serial No. 549,919. Published Mar. 8, 1949. Class 21.

511,425. BOOK COVERS. THE NORTH AMERICAN PRESS, Milwaukee, Wis.
Filed Feb. 17, 1948, Serial No. 549,945. Published Mar. 8, 1949. Class 37.

511,426. ELECTROSTATIC GENERATORS. HIGH VOLTAGE ENGINEERING CORPORATION, Cambridge, Mass.
Filed Feb. 18, 1948, Serial No. 550,043. Published Mar. 15, 1949. Class 21.

511,427. DICTIONARIES. INGEBORG EFTRING, doing business as Glossarförlaget I. Eftring, Motala, Sweden.
Filed Feb. 19, 1948, Serial No. 550,148. Published Mar. 1, 1949. Class 38.

511,428. EYELID CREAM AND EYE LOTION. BEAUTY-MASTERS OF BEVERLY HILLS, INC., Milwaukee, Wis.
Filed Feb. 21, 1948, Serial No. 550,301. Published Mar. 8, 1949. Class 6.

511,429. HAIR NETS. MORRIS, MANN & REILLY, INC., Chicago, Ill.
Filed Feb. 24, 1948, Serial No. 550,424. Published Mar. 8, 1949. Class 39.

511,430. HAIR NETS. H. BATES CO., INC., New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,480. Published Mar. 8, 1949. Class 39.

511,431. VETERINARIAN REMEDY FOR HOOF AND MOUTH DISEASE USED INTERNALLY AND EXTERNALLY. MATHILDE MCGILLICUDDY, Minneapolis, Minn.
Filed Feb. 26, 1948, Serial No. 550,537. Published Mar. 8, 1949. Class 6.

623 O. G.—46

511,432. GREETING CARDS, PRINTED GREETING FOLDERS, CALENDARS, PRINTED SEALS, AND PRINTED DECORATIVE TAGS. NORCROSS, INC., New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,822. Published Mar. 8, 1949. Class 38.

511,433. RUFFLINGS AND RUCHINGS. O., H. & E. FREYBERG, INC., New York, N. Y.
Filed Mar. 3, 1948, Serial No. 551,096. Published Mar. 1, 1949. Class 40.

511,434. COCA AND QUININE SYRUP, RUBBING ALCOHOL COMPOUND, HYDROGEN PEROXIDE, CASTOR OIL, ETC. LOUISIANA DRUG COMPANY, INC., doing business as Whitman Laboratories, Opelousas, La.
Filed Mar. 3, 1948, Serial No. 551,110. Published Mar. 8, 1949. Class 6.

511,435. SCARFS FOR WOMEN. BONET, Philadelphia, Pa.
Filed Mar. 12, 1948, Serial No. 551,763. Published Mar. 8, 1949. Class 39.

511,436. HAIR NETS. HAIRNET CORPORATION OF AMERICA, New York, N. Y.
Filed Mar. 13, 1948, Serial No. 551,891. Published Mar. 1, 1949. Class 39.

511,437. COMBINATION WALKING STICKS AND SEATS. ALBIN JOHNSON, doing business as Johnson Industries, Greenville, Mich.
Filed Mar. 15, 1948, Serial No. 551,978. Published Mar. 8, 1949. Class 41.

511,438. LADIES' GLOVES. SPEARE GLOVE COMPANY, INC., Gloversville, N. Y.
Filed Mar. 16, 1948, Serial No. 552,094. Published Mar. 1, 1949. Class 39.

511,439. COMBS. DIADEM, INC., Leominster, Mass.
Filed Dec. 5, 1947, Serial No. 552,321. Published Mar. 8, 1949. Class 40.

511,440. METALLIC SHUTTERS FOR OUTDOOR USE ON BUILDINGS. J. E. BUSH, doing business as outside Venetian Blind Co., Dallas, Tex.
Filed Mar. 22, 1948, Serial No. 552,634. Published Mar. 1, 1949. Class 12.

511,441. LUGGAGE—NAMELY, WARDROBES, FITTED CASES, OVERNIGHT CASES, WEEKEND CASES, HAT CASES, LEATHER VANITY AND MAKE-UP CASES, AND UTILITY CASES. CROWN LUGGAGE CO. INC., Baltimore, Md.
Filed Mar. 23, 1948, Serial No. 552,752. Published Mar. 15, 1949. Class 3.

511,442. SPOOL COTTON. W. WARREN THREAD WORKS, INC., Westfield, Mass.
Filed Mar. 26, 1948, Serial No. 553,147. Published Mar. 1, 1949. Class 43.

511,443. PUBLICATIONS, PARTICULARLY PUBLICATIONS IN LETTER FORM DESCRIBING PARTICULAR CITIES AND PLACES OF TOURIST INTEREST. JOHN C. WHITTINGHAM, doing business as El Paso Products Company, Colorado Springs, Colo.
Filed Mar. 29, 1948, Serial No. 553,326. Published Mar. 1, 1949. Class 38.

511,444. AUTOMATIC AMPULE INJECTING DEVICE CONSISTING OF AN AMPULE CONNECTED TO A HYPODERMIC NEEDLE WITH A FLEXIBLE TUBE, THE NEEDLE PROTECTED WITH A NEEDLE COVER AND THE DEVICE STERILIZED AND READY FOR USE. STRONG CODE & COMPANY, INC., Cleveland, Ohio.
Filed Mar. 30, 1948, Serial No. 553,426. Published Mar. 15, 1949. Class 44.

511,445. SNAP FASTENERS. F. W. WOOLWORTH CO., New York, N. Y.
Filed Apr. 2, 1948, Serial No. 553,763. Published Jan. 25, 1949. Class 40.

511,446. SERIES OF LAW BOOKS. AMERICAN LEGAL PUBLICATIONS, INC., New York, N. Y.
Filed Apr. 8, 1948, Serial No. 554,073. Published Mar. 1, 1949. Class 38.

511,447. SERIES OF LAW BOOKS. AMERICAN LEGAL PUBLICATIONS, INC., New York, N. Y.
Filed Apr. 8, 1948, Serial No. 554,074. Published Mar. 8, 1949. Class 38.

511,448. HANDKERCHIEFS. GLENDINNING, McLEISH & Co. INC., New York, N. Y.
Filed Apr. 10, 1948, Serial No. 554,308. Published Mar. 8, 1949. Class 39.

511,449. HAIRPINS. KIRBY, BEARD & Co. LTD., Birmingham, England.
Filed Apr. 13, 1948, Serial No. 554,500. Published Jan. 18, 1949. Class 40.

511,450. AIR HOSE MADE OF RUBBER AND COTTON. QUAKER RUBBER CORPORATION, Philadelphia, Pa.
Filed Apr. 14, 1948, Serial No. 554,607. Published Mar. 15, 1949. Class 35.

511,451. COMBS, EXCEPT COMBS MADE OF PRECIOUS METAL. S. & G. RUBBER COMPANY, INC., New York, N. Y.
Filed Apr. 16, 1948, Serial No. 554,817. Published Mar. 1, 1949. Class 40.

511,452. PERIODICAL CONTAINING INFORMATION OF INTEREST TO HOME ECONOMICS TEACHERS AND PUBLISHED MONTHLY DURING THE SCHOOL YEAR. FORECAST PUBLISHING CO., INC., New York, N. Y.
Filed Apr. 17, 1948, Serial No. 554,891. Published Mar. 1, 1949. Class 38.

511,453. MONTHLY MAGAZINE. LANE PUBLISHING Co., San Francisco, Calif.
Filed Apr. 19, 1948, Serial No. 554,985. Published Mar. 1, 1949. Class 38.

511,454. SANITARY NAPKINS. THE HOSPITAL SPECIALTY COMPANY, Cleveland, Ohio.
Filed Apr. 20, 1948, Serial No. 555,099. Published Feb. 22, 1949. Class 44.

511,455. PINS OF NON-PRECIOUS METAL. KIRBY, BEARD & CO. LTD., Birmingham, England.
Filed Apr. 20, 1948, Serial No. 555,109. Published Mar. 8, 1949. Class 40.

511,456. BRAIDS FOR STRAW HATS. HENRY POLLAK, INC., New York, N. Y.
Filed Apr. 22, 1948, Serial No. 555,301. Published Mar. 1, 1949. Class 40.

511,457. MANICURE IMPLEMENTS—NAMELY, TOE-NAIL NIPPERS, MANICURE NIPPERS, CUTICLE NIPPERS, MANICURE SCISSORS, NAIL FILES, ETC. REX CUTLERY CORPORATION, Irvington, N. J.
Filed Apr. 24, 1948, Serial No. 555,564. Published Feb. 22, 1949. Class 44.

511,458. PINS AND HAIRPINS OF NON-PRECIOUS METAL AND HAND SEWING NEEDLES OF ALL KINDS. KIRBY, BEARD & Co. LTD., Birmingham, England.
Filed Apr. 28, 1948, Serial No. 555,757. Published Mar. 8, 1949. Class 40.

511,459. LADIES' HANDBAGS, OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. A. BANNER, INC., New York, N. Y.
Filed Apr. 29, 1948, Serial No. 555,795. Published Jan. 18, 1949. Class 3.

511,460. WINES. CENTRAL GRAPE PRODUCTS CO., New York, N. Y.
Filed Dec. 2, 1947, Serial No. 555,890. Published Mar. 8, 1949. Class 47.

511,461. WINES. CENTRAL GRAPE PRODUCTS CO., New York, N. Y.
Filed Dec. 2, 1947, Serial No. 555,891. Published Mar. 8, 1949. Class 47.

511,462. COMBS. DIADEM, INC., Leominster, Mass.
Filed Jan. 14, 1948, Serial No. 556,707. Published Mar. 8, 1949. Class 40.

511,463. MAGAZINE (PERIODICAL). HERCULES POWDER COMPANY, Wilmington, Del.
Filed Jan. 19, 1948, Serial No. 556,719. Published Mar. 8, 1949. Class 38.

511,464. PERIODICAL. ORDER OF RAILWAY CONDUCTORS OF AMERICA, Cedar Rapids, Iowa.
Filed Jan. 28, 1948, Serial No. 556,728. Published Mar. 1, 1949. Class 38.

511,465. PROCESSED GRAY MARBLE. VERMONT MARBLE COMPANY, Proctor, Vt.
Filed Jan. 29, 1948, Serial No. 556,735. Published Mar. 8, 1949. Class 12.

511,466. PROCESSED BLACK MARBLE. VERMONT MARBLE COMPANY, Proctor, Vt.
Filed Jan. 29, 1948, Serial No. 556,736. Published Mar. 8, 1949. Class 12.

511,467. MECHANICAL PACKINGS—NAMELY, SEMI-METALLIC PACKING, METAL PACKING, ASBESTOS COIL AND SPIRAL PACKINGS, ASBESTOS SEMI-METALLIC AND METAL PACKING RINGS AND GASKETS. PILOT PACKING CO., INC., New York, N. Y.
Filed May 12, 1948, Serial No. 556,914. Published Mar. 8, 1949. Class 35.

511,468. SILK PIECE GOODS. LIBERTY & Co., LIMITED, London, England.
Filed May 14, 1948, Serial No. 557,049. Published Feb. 15, 1949. Class 42.

511,469. PIECE GOODS OF WOOL OR COTTON OR OF MIXTURES OF THESE MATERIALS. SIR JACOB BEHRENS & SONS, Bradford, Yorkshire, England.
Filed May 17, 1948, Serial No. 557,174. Published Feb. 15, 1949. Class 42.

511,470. EYEBROW TWEEZERS, NAIL FILES, MANICURE STICKS, ETC. C. J. BATES & SON, Chester, Conn.
Filed May 20, 1948, Serial No. 557,426. Published Mar. 15, 1949. Class 44.

511,471. VITAMIN PREPARATION IN CAPSULE FORM. A. H. ROBINS COMPANY, Richmond, Va.
Filed May 20, 1948, Serial No. 557,466. Published Aug. 17, 1948. Class 6.

511,472. ADHESIVE MEDICAL PLASTERS. JOHNSON & JOHNSON, New Brunswick, N. J.
Filed May 27, 1948, Serial No. 557,929. Published Mar. 15, 1949. Class 44.

511,473. SURGICAL BANDAGES AND DRESSINGS. ST. JOHN PRODUCTS CORPORATION, New York, N. Y.
Filed May 27, 1948, Serial No. 557,960. Published Mar. 15, 1949. Class 44.

511,474. TOILET OR DRESSING CASES, OVERNIGHT BAGS, AND FITTED HAND BAGGAGE. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed May 29, 1948, Serial No. 558,143. Published Mar. 8, 1949. Class 3.

511,475. DISHWASHING CLEANSER IN POWDER FORM. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va.
Filed May 29, 1948, Serial No. 558,186. Published Mar. 15, 1949. Class 4.

511,476. WOMEN'S PURSES. CASTLE PURSES, New York, N. Y.
Filed June 1, 1948, Serial No. 558 217. Published Feb. 1, 1949. Class 3.

511,477. TWINE. CHASE BAG COMPANY, New York, N. Y.
Filed June 4, 1948, Serial No. 558,468. Published Feb. 8, 1949. Class 7.

511,478. YARN AND THREAD. ALEXANDER BECKER, doing business as British Wool Company, London Knitting Company, and British Knitwear Company, Wembley, England.
Filed June 9, 1948, Serial No. 558,775. Published Feb. 9, 1949. Class 43.

511,479. OVERALLS, WORK SHIRTS, COATS, JACKETS, AND PANTS. OSHKOSH B'GOSH, INC., Oshkosh, Wis.
Filed June 10, 1948, Serial No. 558,917. Published Mar. 15, 1949. Class 39.

511,480. OVERALLS, WORK SHIRTS, COATS, JACKETS, AND PANTS. OSHKOSH B'GOSH, INC., Oshkosh, Wis.
Filed June 10, 1948, Serial No. 558,918. Published Mar. 15, 1949. Class 39.

511,481. WALLETS, BILL FOLDS, POCKETBOOKS, AND LADIES' HANDBAGS. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y.
Filed June 11, 1948, Serial No. 558,990. Published Feb. 1, 1949. Class 3.

511,482. LADIES' AND GIRLS' HANDBAGS AND PURSES, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF. FRIEDMAN-LOEBL, INC., New York, N. Y.
Filed June 12, 1948, Serial No. 559,096. Published Mar. 8, 1949. Class 3.

511,483. SLINGS FORMED OF WIRE ROPE OR CABLE WITH LOOPS OR EYES AT OPPOSITE ENDS THEREOF. UNION WIRE ROPE CORPORATION, Kansas City, Mo.
Filed June 14, 1948, Serial No. 559,190. Published Feb. 8, 1949. Class 7.

511,484. LIQUID PHARMACEUTICAL WHICH AIDS IN (1) LOOSENING SCALES, (2) RELIEVING DISCOMFORT OF MINOR IRRITATIONS OF THE SCALP, (3) DISSOLVING OILY SECRETIONS OF THE SCALP, AND (4) AS A FIRST AID APPLICATION FOR SUPERFICIAL CUTS OR SCRATCHES ON THE SCALP. PHIL KALECH, INC., Chicago, Ill.
Filed June 15, 1948, Serial No. 559,229. Published Mar. 8, 1949. Class 6.

511,485. LADIES' AND GIRLS' HANDBAGS AND PURSES, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF. FRIEDMAN-LOEBL, INC., New York, N. Y.
Filed June 17, 1948, Serial No. 559,507. Published Feb. 1, 1949. Class 3.

511,486. PREPARATION HAVING DISINFECTING AND DEODORIZING PROPERTIES FOR GENERAL USE IN CLEANSING AND SANITATION PURPOSES. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill.
Filed June 25, 1948, Serial No. 560,235. Published Mar. 8, 1949. Class 6.

511,487. SYNTHETIC FOOD COLORING MATERIALS. TWIN CITY WHOLESALE GROCER CO., St. Paul, Minn.
Filed July 10, 1948, Serial No. 561,189. Published Feb. 15, 1949. Class 6.

511,488. YARNS OF WOOL, WORSTED OR HAIR. TWO STEEPLES LIMITED, Wigston Magna, England.
Filed July 19, 1948, Serial No. 561,996. Published Feb. 8, 1949. Class 43.

511,489. FABRICS OF MOHAIR, COTTON, RAYON, AND ALUMINUM FOIL AND/OR COMBINATIONS THEREOF, SOLD IN BOLT. GOODALL-SANFORD, INC., Sanford, Maine.
Filed July 21, 1948, Serial No. 561,828. Published Feb. 8, 1949. Class 42.

511,490. UNIFORM TWILL. BROWN & ACKERMAN, INC., New York, N. Y.
Filed July 28, 1948, Serial No. 562,317. Published Feb. 15, 1949. Class 42.

511,491. GINGHAM IN THE PIECE. WALDSBURGER, GRANT & Co., INC., New York, N. Y.
Filed July 28, 1948, Serial No. 562,425. Published Mar. 1, 1949. Class 42.

511,492. CLEANER FOR GLASS SURFACE AND SILVERWARE. THE SLICK-SHINE COMPANY, Newark, N. J.
Filed Aug. 12, 1948, Serial No. 563,263. Published Mar. 15, 1949. Class 4.

511,493. MEDICINAL PREPARATION IN LIQUID FORM USED FOR THE TREATMENT OF MINOR SKIN IRRITATIONS—NAMELY, SUN BURN, SEA RASH, PRICKLY HEAT, MAN O'WAR BITES, ADOLESCENT PIMPLES. PEPPER-GRENALD LABS., Miami Beach, Fla.
Filed Oct. 29, 1948, Serial No. 567,815. Published Mar. 8, 1949. Class 6.

511,494. LEATHER AND SIMULATED LEATHER CARRYING CASES FOR PRINTING PLATES. FARRINGTON MANUFACTURING COMPANY, Boston, Mass.
Filed Dec. 24, 1948, Serial No. 571,075. Published Mar. 1, 1949. Class 3.

Service Marks

511,495. GEOPHYSICAL PROSPECTING SERVICES SUCH AS THE CONDUCTING OF SEISMOGRAPH SURVEYS FOR MAJOR AND OTHER OIL COMPANIES AND FOR INDEPENDENT OIL OPERATORS. SEISMOGRAPH SERVICE CORPORATION, Tulsa, Okla.
Filed Sept. 4, 1947, Serial No. 533,403. Published Mar. 15, 1949. Class 55.

Certification Marks

511,496. GLASSINE PAPER, A TRANSPARENT GREASEPROOF PAPER. THE GLASSINE & GREASEPROOF MANUFACTURERS ASSOCIATION, New York, N. Y.
Filed Oct. 8, 1947, Serial No. 537,172. Published Mar. 8, 1949. Class 37.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

511,497. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILDROOT CO., INC., Buffalo, N. Y. Original filed June 6, 1945, under the act of 1905; amended to application under act of 1946, May 5, 1948, Serial No. 484,223.



The drawing is lined for the color yellow. Applicant claims ownership of Registrations Nos. 84,528, 136,261, and 299,653.

FOR PREPARATION FOR HAIR.

Claims use since Apr. 1, 1942.

511,498. (CLASS 38. PRINTS AND PUBLICATIONS.) W. H. BRADY COMPANY, Eau Claire, Wis. Original filed Dec. 29, 1945, under the act of 1905; amended to application under act of 1946, Jan. 30, 1948, Serial No. 494,011.

QUIK-LABELS

FOR IDENTIFICATION LABELS COMPOSED OF PAPER, FABRIC, OR COMPOSITION TAPE, CARRYING PRESSURE SENSITIVE ADHESIVE ON ITS ATTACHMENT FACE AND PRINTED OR OTHERWISE APPLIED IDENTIFICATION SYMBOLS ON ITS EXPOSED FACE, INTENDED TO BE ADHESIVELY ATTACHED.

Claims use since Sept. 25, 1944.

511,499. (CLASS 38. PRINTS AND PUBLICATIONS.) DAVID J. MENDELSOHN, New York, N. Y. Filed July 28, 1948, Serial No. 497,622.

Girls' and Teens' MERCHANDISER

FOR MONTHLY PUBLICATION SOLD TO MANUFACTURERS, JOBBERS, BUYERS, DISTRIBUTORS, AND RETAILERS OF GIRLS' AND TEENS' OVER AND UNDER APPAREL AND TO PERSONS INTERESTED IN THE TYPE OF MERCHANDISE DESCRIBED IN SUCH MAGAZINE.

Claims use since February 1946.

511,500. (CLASS 12. CONSTRUCTION MATERIALS.) HAROLD L. JOHNSON, Chicago, Ill. Filed June 18, 1948, Serial No. 502,697.

Vision-air

FOR METAL OR WOOD VENETIAN BLIND TYPE OF AWNINGS FOR PERMANENT ATTACHMENT TO BUILDINGS.

Claims use since May 15, 1946.

511,501. (CLASS 39. CLOTHING.) KAY RUTH DRESS COMPANY, INC., Jackson and McComb, Miss. Original filed Aug. 1, 1946, under the act of 1905; amended to application under act of 1946, Jan. 7, 1949, Serial No. 506,669.

Kay Ruth

FOR DRESSES.

Claims use since Feb. 28, 1945.

511,502. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BURTON E. MILLER, Hancock, Md. Original filed June 3, 1948; application filed complete Mar. 10, 1949, Serial No. 521,746.

MY-T-GOOD

FOR RODENT EXTERMINATOR IN THE FORM OF SEEDS COATED WITH POISON.

Claims use since Apr. 18, 1947.

511,503. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) CHRYSLER CORPORATION, Highland Park, Mich. Filed Feb. 13, 1948. Serial No. 522,594.

CHRYSLER AIRTEMP

Applicant claims ownership of Registrations Nos. 325,089 and 379,722.

FOR AIR CONDITIONING UNITS TO COOL AIR FOR BODILY COMFORT, AND PARTS THEREOF—NAMELY, REFRIGERANT CONDENSING UNITS FOR AIR CONDITIONING, COMPRISING A REFRIGERANT COMPRESSOR, THE REFRIGERANT COMPRESSOR DRIVING MEANS, AND THE REFRIGERANT CONDENSER UNIT CONNECTED IN REFRIGERANT FLOW RELATIONSHIP WITH THE REFRIGERANT COMPRESSOR; AUTOMATIC COAL STOKERS, AND PARTS THEREOF; COAL FIRED, GAS FIRED, AND OIL FIRED FURNACES, BURNERS, BOILERS, AND PARTS THEREOF; GAS FIRED AND OIL FIRED HOT WATER HEATERS, AND PARTS THEREOF.

Claims use since Nov. 11, 1946, on air conditioning units and parts thereof; since Nov. 29, 1946, on automatic coal stokers and parts thereof; since Dec. 3, 1946, on coal fired, gas fired, and oil fired furnaces, burners, boilers, and parts thereof; and since Nov. 29, 1946, on gas fired and oil fired hot water heaters and parts thereof.

511,504. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) CHRYSLER CORPORATION, Highland Park, Mich. Filed Feb. 13, 1948. Serial No. 522,596.

CHRYSLER AIRTEMP

Applicant claims ownership of Registrations Nos. 325,089 and 379,722.

FOR AIR CONDITIONING UNITS TO COOL AIR FOR BODILY COMFORT, AND PARTS THEREOF—NAMELY, REFRIGERANT CONDENSING UNITS FOR AIR CONDITIONING, COMPRISING A REFRIGERANT COMPRESSOR, THE REFRIGERANT COMPRESSOR DRIVING MEANS, AND THE REFRIGERANT CONDENSER UNIT CONNECTED IN REFRIGERANT FLOW RELATIONSHIP WITH THE REFRIGERANT COMPRESSOR; AUTOMATIC COAL STOKERS, AND PARTS THEREOF; COAL FIRED, GAS FIRED, AND OIL FIRED FURNACES, BURNERS, BOILERS, AND PARTS THEREOF; GAS FIRED AND OIL FIRED HOT WATER HEATERS, AND PARTS THEREOF.

Claims use since Nov. 11, 1946, on air conditioning units and parts thereof; since Nov. 29, 1946, on automatic coal stokers and parts thereof; since Dec. 3, 1946, on coal fired, gas fired, and oil fired furnaces, burners, boilers, and parts thereof; and since Nov. 29, 1946, on gas fired and oil fired hot water heaters and parts thereof.

511,505. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) LEO HEILBRUN CO., INC., New York, N. Y. Filed Nov. 6, 1948, Serial No. 531,795.

YOUR WATCH DESERVES A WORTHY COMPANION

FOR WATCH STRAPS AND WATCH BRACELETS, NOT INCLUDING WATCHES.

Claims use since Mar. 24, 1947.

511,506. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ARMAND L. LEVINSON, Baltimore, Md. Filed Dec. 7, 1948, Serial No. 533,228.

PROTECT-O-CLIP

FOR MONEY CLIPS, NECKTIE CLASPS, ORNAMENTAL CLIPS, PENS AND PENCILS, ALL THE FOREGOING ITEMS BEING MADE IN WHOLE OR IN PART OF, OR PLATED WITH, PRECIOUS METALS.

Claims use since July 26, 1947.

511,507. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BAY STATE SPORTS, Boston, Mass. Filed Feb. 9, 1949; original filed Oct. 1, 1947, Serial No. 536,340.

BAY STATE SPORTS

FOR FOOTBALLS AND BASKETBALLS.

Claims use since Sept. 1, 1946.

511,508. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MARTIN MANUFACTURING COMPANY, Berlin, Wis. Filed Feb. 16, 1949, Serial No. 540,084.

PONI-KART

FOR CHILD'S TOY VEHICLE, SPECIFICALLY A TOY CART WITH TOYS SIMULATING PONIES ATTACHED THERETO.

Claims use since Apr. 20, 1947.

511,509. (CLASS 39. CLOTHING.) YOLANDE CORPORATION, New York, N. Y. Filed Dec. 8, 1948; original filed Nov. 4, 1947, Serial No. 540,133.

A Nightie For Every Night

Applicant claims ownership of Registration No. 362,083.

FOR WOMEN'S AND MISSES' NIGHTGOWNS AND PAJAMAS.

Claims use since Sept. 14, 1937.

511,510. (CLASS 39. CLOTHING.) ALEXANDER DUNAY, Chicago, Ill. Filed Feb. 8, 1949, Serial No. 540,179.

Richard Craig

FOR MEN'S DRESS-SHIRTS, MEN'S SPORT-SHIRTS, MEN'S SWEATERS, MEN'S LEATHER JACKETS, MEN'S UNDERWEAR, MEN'S HOSIERY, AND MEN'S TROUSERS.

Claims use since Feb. 3, 1947.

511,511. (CLASS 7. CORDAGE.) THE EDWIN H. FITLER COMPANY, Philadelphia, Pa. Filed Aug. 9, 1947, Serial No. 542,199.

WETPRUF

Applicant claims ownership of Registration No. 384,727.
FOR MANILA ROPE.
Claims use since Jan. 20, 1936.

511,512. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) UNCAS MANUFACTURING COMPANY, Providence, R. I. Filed Dec. 27, 1948, Serial No. 542,695.

Turtles on Parade

FOR JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, EARRINGS, NECKLACES; AND THE FOLLOWING ITEM MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL—NAMELY, DRESS ORNAMENTS.
Claims use since June 21, 1946.

511,513. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SCULLY RUBBER MANUFACTURING CO., Baltimore, Md. Filed Dec. 11, 1947, Serial No. 544,118.

Nottapinn

FOR FLUSH TANK BALLS.
Claims use since Jan. 5, 1939.

511,514. (CLASS 39. CLOTHING.) THE BERNIE COMPANY, Atlanta, Ga. Filed Apr. 13, 1949, Serial No. 545,427.

Nattyboy Togs

FOR BOYS' DRESS AND SPORT SHIRTS, PAJAMAS, PANTS, SUITS, DRESS SHORTS, SUN SUITS, SWIM TRUNKS, OUTER COATS AND JACKETS.
Claims use since Apr. 9, 1946.

511,515. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BATON MANUFACTURING COMPANY, Cleveland, Ohio. Filed Jan. 2, 1948, Serial No. 546,972.

SPRINGTITES

FOR LOCK WASHERS AND SCREW AND LOCK WASHER ASSEMBLIES.
Claims use since Apr. 1, 1944.

511,516. (CLASS 39. CLOTHING.) PECK & PECK, New York, N. Y. Filed Feb. 4, 1948, Serial No. 548,754.

LITCHFIELD

FOR WEARING APPAREL FOR WOMEN—NAMELY, SWEATERS AND SKIRTS.
Claims use since September 1946.

511,517. (CLASS 39. CLOTHING.) YOUTHCRAFT CREATIONS, INC., New York, N. Y. Filed Jan. 13, 1949, Serial No. 550,004.

HUGWAIST

FOR FOUNDATION GARMENTS, CORSETS, GIRDLES, BRASSIÈRES, AND UNDERWEAR FOR WOMEN.
Claims use since July 1947.

511,518. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN D. HAMILTON, doing business as Hamilton Candy Company, Tacoma, Wash. Filed Apr. 19, 1949, Serial No. 550,473.

TWO-DEEP

FOR CANDY BARS.
Claims use since Mar. 2, 1948.

511,519. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) OLYMPIC SPORTING GOODS COMPANY, INC., New York, N. Y. Filed Feb. 28, 1948, Serial No. 550,825.

DuraHyde

FOR FOOTBALLS, BASKETBALLS, SOCCER BALLS, STRIKING BAGS, BASEBALLS, VOLLEY BALLS, AND SOFTBALLS.
Claims use since Mar. 18, 1946.

511,520. (CLASS 39. CLOTHING.) HANSEN GLOVE CORPORATION, Milwaukee, Wis. Filed Apr. 2, 1949, Serial No. 553,105.

HANSEN "Costume Knits"

Applicant claims ownership of Registrations Nos. 362,259, 423,739, 425,050, and 425,051.
FOR LADIES' KNIT WOOL GLOVES AND MITTENS.
Claims use since August 1947.

511,521. (CLASS 39. CLOTHING.) HANSEN GLOVE CORPORATION, Milwaukee, Wis. Filed Apr. 2, 1949, Serial No. 553,106.

HANSEN KNIT-WITS

Applicant claims ownership of Registrations Nos. 362,259, 423,739, 425,050, and 425,051.
FOR LADIES' KNIT WOOL GLOVES AND MITTENS.
Claims use since Oct. 3, 1947.

511,522. (CLASS 39. CLOTHING.) W. S. MAAS, INC., New York, N. Y. Filed Mar. 31, 1948, Serial No. 553,499.

Touch of Youth

Applicant claims ownership of Registration No. 414,441.
FOR BRASSIÈRES.
Claims use since Dec. 30, 1945.

511,523. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Apr. 5, 1949, Serial No. 553,572.

SCIENTIFIC

FOR WATCHES.
Claims use since October 1947.

511,524. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Apr. 21, 1949, Serial No. 553,997.

Super-Seal

FOR RUBBER INNER TUBES FOR TIRES.
Claims use since Feb. 3, 1948.

511,525. (CLASS 39. CLOTHING.) THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Apr. 5, 1949, Serial No. 554,117.

HUDSON'S *Woodward Shops*

Applicant claims ownership of Registrations Nos. 506,245, 506,246, 353,975, 385,016, and others.
FOR WOMEN'S AND CHILDREN'S CLOTHING—NAMELY, DRESSES, SMOCKS, BLOUSES, APRONS, SKIRTS, SWEATERS, SCARVES, APPAREL BELTS, GLOVES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF, SUITS, COATS, TOPCOATS, RAINCOATS, HATS, SHOES MADE OF LEATHER, FABRIC AND COMBINATIONS THEREOF, UNDERWEAR, MAIDS' AND NURSES' UNIFORMS, AND HANDKERCHIEFS.
Claims use since Feb. 2, 1948.

511,526. (CLASS 39. CLOTHING.) K & S CORSET MANUFACTURING CO., INC., New York, N. Y. Filed Apr. 2, 1949, Serial No. 555,678.

Oval-lift WITH *Spiral* MAGIC Stay-In-Form

Applicant claims ownership of Registrations Nos. 380,532 and 506,377.
FOR FOUNDATION GARMENTS CONSISTING OF LONG LINE BRASSIÈRES.
Claims use since April, 1947.

511,527. (CLASS 12. CONSTRUCTION MATERIALS.) GRANITE CITY STEEL COMPANY, Granite City, Ill. Filed May 7, 1948, Serial No. 556,489.

STRONGBARN

FOR CORRUGATED STEEL SHEET ROOFING AND SIDING.
Claims use since Aug. 14, 1945.

511,528. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) CORO, INC., New York, N. Y. Filed Apr. 8, 1949; original filed May 28, 1946, Serial No. 558,010.

Smart Set

FOR NECKLACES, BRACELETS, RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE

SAMS, BEADS, PINS, HAT ORNAMENTS, COMB CASES AND JEWELRY INITIALS, PEARL NECKLACES, PEARL BRACELETS, PEARL EARRINGS, AND ALL PEARLS FOR PERSONAL WEAR.
Claims use since January 1935.

511,529. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) RICE-STIX DRY GOODS COMPANY, St. Louis, Mo. Filed July 14, 1948, Serial No. 561,243.

For those who go First Class

FOR LUGGAGE—NAMELY, WARDROBE TRUNKS, GENERAL PURPOSE TRUNKS, DORMITORY TRUNKS, STEAMER TRUNKS, PULLMAN WARDROBE TRUNKS, TAXI WARDROBE TRUNKS, JACKNIFE WARDROBE TRUNKS, CAMP LOCKERS, PULLMAN LOCKERS, MEN'S TWO-SUITERS AND COMPANION CASES, OVERNITE CASES FOR MEN AND WOMEN, WOMEN'S WARDROBE CASES, FITTED OVERNITE CASES, SHOE AND HAT CASES, TRAIN CASES AND GLADSTONE BAGS.
Claims use since May 24, 1947.

511,530. (CLASS 38. PRINTS AND PUBLICATIONS.) QUINN-BROWN PUBLISHING CORP., Stamford, Conn. Filed Aug. 10, 1948, Serial No. 563,133.

WIRE
AND WIRE PRODUCTS

FOR MONTHLY PUBLICATION.
Claims use since January 1925.

511,531. (CLASS 39. CLOTHING.) LANE BRYANT INC., New York, N. Y. Filed Jan. 12, 1949, Serial No. 571,564.

Stout Arch

FOR FOOTWEAR—NAMELY, SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATION OF SAID MATERIALS.
Claims use since Jan. 1, 1911.

Collective Marks

511,532. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS VEGETABLE EXCHANGE, Harlingen, Tex. Filed Nov. 4, 1947, Serial No. 521,096.

TEXAS VEGETABLE EXCHANGE
T VEX X
HARLINGEN · TEXAS · U.S.A.

FOR FRESH TOMATOES.
Claims use since Jan. 10, 1947.

TRADE-MARK REGISTRATIONS RENEWED

32,631. LUSTRAL. Registered Mar. 28, 1899. Burton Bros. & Co. Re-renewed Mar. 28, 1949, to Burton Bros. & Co. Inc., New York, N. Y., a corporation of New York. COTTON FABRICS. Class 42.

33,313. "WARFIELD" AND LABEL DESIGN. Registered Aug. 8, 1899. Seeman Brothers. Re-renewed Aug. 8, 1949, to Seeman Brothers, Inc., New York, N. Y., a corporation of New York. CANNED AND BOTTLED VEGETABLES, FRUITS, FISH, RELISHES, AND MEATS. Class 46.

33,314. "WAVERLEY" AND REPRESENTATION OF THE HEAD OF A CHILD WEARING MOB-CAP. Registered Aug. 8, 1899. Seeman Brothers. Re-renewed Aug. 8, 1949, to Seeman Brothers, Inc., New York, N. Y., a corporation of New York. CANNED AND BOTTLED VEGETABLES, FRUITS, FISH, RELISHES, AND MEATS. Class 46.

71,572. „POSTOGRAPH". Registered Dec. 1, 1908. Bleistiftfabrik vormals Johann Faber Actien-Gesellschaft, Nuremberg, Germany. Vested in the Attorney General of the United States, Washington, D. C., and re-renewed to him Dec. 1, 1948. LEAD, COLORED, SLATE AND COPYING PENCILS, MECHANICAL PENCILS, ETC. Class 37.

72,352. "GOLDEN ROD". Registered Jan. 19, 1909. Bleistiftfabrik vormals Johann Faber Actien-Gesellschaft, Nuremberg, Germany. Vested in the Attorney General of the United States, Washington, D. C., and re-renewed to him Jan. 19, 1949. LEAD-PENCILS, COLORED PENCILS, COPYING-PENCILS, SLATE-PENCILS, AND PENCILS WITH MOVABLE LEADS. Class 37.

72,521. MARATHON. Registered Feb. 2, 1909. Mühlens & Kropff, New York, N. Y. Vested in the Attorney General of the United States, Washington, D. C., and re-renewed to him Feb. 2, 1949. TOILET SOAP. Class 4.

73,178. "ARLINGTON" AND DESIGN. Registered Mar. 23, 1909. John P. Squire & Company, Jersey City, N. J., and Boston and Cambridge, Mass. Re-renewed Mar. 23, 1949, to Swift & Company, Chicago, Ill., a corporation of Illinois. HAMS, BACON AND SAUSAGES. Class 46.

74,670. PERRIN. Registered July 27, 1909. V. Perrin & Cie., New York and Gloversville, N. Y., and Grenoble, France. Re-renewed July 27, 1949, to Perrin Glove Company, Inc., New York, N. Y., a corporation of New York. LEATHER GLOVES. Class 39.

74,671. PERRINS'. Registered July 27, 1909. V. Perrin & Cie., Grenoble, France, New York and Gloversville, N. Y. Re-renewed July 27, 1949, to Perrin Glove Company, Inc., New York, N. Y., a corporation of New York. LEATHER GLOVES. Class 39.

75,260. "RIVAL" ETC. AND LABEL DESIGN. Registered Sept. 14, 1909. George Washington Slaughter, Montreal, Quebec, Canada, and Detroit, Mich. Re-renewed Sept. 14, 1949, to George Washington Slaughter, Detroit, Mich. A MEDICINE IN TABLET FORM USED AS A REMEDY FOR DYSPEPSIA, CONSTIPATION, LIVER AND KIDNEY DISORDER, RHEUMATISM, ETC. Class 6.

75,265. PARIS. Registered Sept. 14, 1909. A. Stein & Company, Chicago, Ill., a corporation of Illinois. Re-renewed Sept. 14, 1949. GARTERS. Class 39.

75,266. BAKELITE. Registered Sept. 14, 1909. Leo H. Baekeland, Yonkers, N. Y. Re-renewed Sept. 14, 1949, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey. CONDENSATION PRODUCTS OF PHENOL AND FORMALDEHYDE. Class 6.

75,327. REPRESENTATION OF INDIAN HEAD. Registered Sept. 21, 1909. Virginia-Carolina Chemical Company, Jersey City, N. J., Richmond and Norfolk, Va., and elsewhere. Re-renewed Sept. 21, 1949, to Virginia-Carolina Chemical Corporation, Richmond, Va., a corporation of Virginia. FERTILIZERS. Class 10.

238,883. NEOKRATIN. Registered Feb. 14, 1928. Petrusapotheke Dr. August Kutiak. Renewed Feb. 14, 1948 (as provided by P. L. 617, July 17, 1946), to Dr. A. Kutiak, Ersatzung chem. pharm. Präparate und Petrusapotheke, Vienna, Austria, a firm of the Republic of Austria. PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF NEURALGIA, GRIPPE, INFLUENZA, DYSMENORRHEA, ISCHIAS, MIGRAINE, CEPHALALGIE. Class 6.

245,045. DORZI. Registered Aug. 7, 1928. A. J. Isod Limited, London, England, a British company. Renewed Aug. 7, 1948. OUTER VESTS FOR HUNTING, GOLFING, AND SPORT WEAR AND NEGLIGEE AND SPORT SHIRTS. Class 39.

249,687. METRAZOL. Registered Nov. 20, 1928. E. Bilhuber, Inc., New York, N. Y. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Nov. 20, 1948. MEDICINE FOR THE HEART AND THE VASCULAR SYSTEM. Class 6.

250,322. CIRCULAR DESIGN WITHIN SQUARE LINED FOR THE COLORS DARK BLUE, GREENISH BLUE, AND GOLD. Registered Dec. 4, 1928. Paul Peter Mülhens, doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Dec. 4, 1948. EAU DE COLOGNE WATER, PERFUMERY, HAIR TONICS, SHAMPOO, POMADE, BRILLIANTINE, ETC. Class 6.

250,565. CIRCULAR DESIGN WITHIN SQUARE LINED FOR THE COLORS DARK BLUE, GREENISH BLUE, AND GOLD. Registered Dec. 11, 1928. Paul Peter Mülhens, doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Dec. 11, 1948. SOAPS, INCLUDING TOILET SOAPS, SHAVING STICKS. Class 4.

250,566. DESIGN OF ALTERNATE RED AND YELLOW STRIPES. Registered Dec. 11, 1928. The Oshkosh Trunk Company. Renewed Dec. 11, 1948, to Oshkosh Trunks and Luggage, Oshkosh, Wis., a corporation of Wisconsin. GOLF BAGS. Class 22.

250,908. "E P" AND DIAMOND DESIGN. Registered Dec. 18, 1928. Saks & Co., New York, N. Y. Renewed Dec. 18, 1948, to Pulforcat (Societe a Responsabilite Limitee), Paris, France, a corporation organized under the laws of the Republic of France. SILVER TABLE WARE, SILVER FLATWARE, AND SILVER HOLLOW WARE. Class 28.

251,263. AORTALGIN. Registered Jan. 1, 1929. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Jan. 1, 1949. MEDICINAL PREPARATION FOR THE TREATMENT OF HEART DISEASES. Class 6.

251,307. RAPITAG. Registered Jan. 1, 1929. Herman I. Lippard, doing business as Rapitag Needle Company, Philadelphia, Pa. Renewed Jan. 1, 1949, to Herman I. Lippard, doing business as Rapitag Needle Company, Charlotte, N. C. NEEDLES USED BY HAND. Class 40.

252,191. KASHMAY. Registered Jan. 29, 1929. Hickey-Freeman Company, Rochester, N. Y., a corporation of New York. Renewed Jan. 29, 1949. MEN'S TOPCOATS AND OVERCOATS. Class 39.

252,192. KINGSCLOTH. Registered Jan. 29, 1929. Hickey-Freeman Company, Rochester, N. Y., a corporation of New York. Renewed Jan. 29, 1949. MEN'S SUITS CONSISTING OF COAT, VEST, AND TROUSERS. Class 39.

252,193. NULA. Registered Jan. 29, 1929. Hickey-Freeman Company, Rochester, N. Y., a corporation of New York. Renewed Jan. 29, 1949. MEN'S OVERCOATS AND TOPCOATS. Class 39.

252,261. CLAN CAMERON. Registered Jan. 29, 1929. Hickey-Freeman Company, Rochester, N. Y., a corporation of New York. Renewed Jan. 29, 1949. MEN'S TOPCOATS AND OVERCOATS. Class 39.

252,503. METAPHYLLIN. Registered Feb. 12, 1929. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Feb. 12, 1949. DIURETIC PREPARATIONS. Class 6.

252,678. FIREMAN. Registered Feb. 12, 1929. Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon. Renewed Feb. 12, 1949. AUTOMATIC COAL BURNERS. Class 34.

252,810. KRINKLETTE. Registered Feb. 12, 1929. Aileen Mills Inc. Renewed Feb. 12, 1949, to Aileen Mills Company, Biscoe, N. C., a corporation of Delaware. SPREADS, DRAPERIES, COUNTERPANES, COVERLETS, CURTAINS, CHAIR COVERS, ETC. Class 42.

253,493. BATINASE. Registered Feb. 26, 1929. Société Rapidase, Seclin (Nord), France, a societe anonyme of France. Renewed Feb. 26, 1949. ARTIFICIAL BATE FOR LEATHER AND SKINS. Class 6.

253,603. CLIP-PER-ETTES. Registered Mar. 5, 1929. The Hump Hairpin Mfg. Co. Renewed Mar. 5, 1949, to Gaylord Products, Incorporated, Chicago, Ill., a corporation of Delaware. HAIRPINS, SAID HAIRPINS BEING MORE PARTICULARLY DESCRIBED AS COMPOSED AND MADE OF STEEL, ETC. Class 40.

253,604. MILADY. Registered Mar. 5, 1929. The Hump Hairpin Mfg. Co. Renewed Mar. 5, 1949, to Gaylord Products, Incorporated, Chicago, Ill., a corporation of Delaware. HAIRPINS, SAID HAIRPINS BEING MORE PARTICULARLY DESCRIBED AS COMPOSED AND MADE OF STEEL, ALUMINITE, AND VARIOUS OTHER METALS, ETC. Class 40.

253,605. LOX-THE-LOCKS. Registered Mar. 5, 1929. The Hump Hairpin Mfg. Co. Renewed Mar. 5, 1949, to Gaylord Products, Incorporated, Chicago, Ill., a corporation of Delaware. HAIRPINS, SAID HAIRPINS BEING MORE PARTICULARLY DESCRIBED AS COMPOSED AND MADE OF STEEL, ETC. Class 40.

253,963. HEELOCK. Registered Mar. 12, 1929. Roman Stripe Mills Inc., Easton, Pa. Renewed Mar. 12, 1949, to Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York. HOSIERY. Class 39.

254,005. TRICOSAL. Registered Mar. 12, 1929. Chemische Fabrik Gruenau Landshoff & Meyer Aktiengesellschaft, Gruenau, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Mar. 12, 1949. STONES AND ARTIFICIAL STONES FOR BUILDING PURPOSES, CEMENT, LIME, PLASTER OF PARIS, ETC. Class 12.

254,054. GLOBULACTIN. Registered Mar. 12, 1929. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Mar. 12, 1949. MEDICINAL PREPARATION FOR THE TREATMENT OF INFLAMMATION OF THE VAGINA, URETHRA—FOR INSTANCE, LEUCORRHEA AND GONORRHEA. Class 6.

254,055. TAMPOLACTIN. Registered Mar. 12, 1929. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Mar. 12, 1949. MEDICINAL PREPARATION FOR THE TREATMENT OF INFLAMMATION OF THE VAGINA, URETHRA—FOR INSTANCE, LEUCORRHEA AND GONORRHEA. Class 6.

254,305. BOLOLACTIN. Registered Mar. 19, 1929. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Mar. 19, 1949. MEDICINAL PREPARATION FOR THE TREATMENT OF INFLAMMATION OF THE VAGINA, URETHRA—FOR INSTANCE, LEUCORRHEA AND GONORRHEA. Class 6.

254,485. SPICER'S. Registered Mar. 26, 1929. Charles R. Spicer, doing business as The Pelvo Medicine Co. Renewed Mar. 26, 1949, to The Charles R. Spicer Company, Memphis, Tenn., a corporation of Tennessee. FACE POWDER, TALCUM POWDER, FOOT POWDER, HAIR TONIC, HAIR DRESSING, ETC. Class 6.

254,580. "MASTERCRAFT" ENCLOSED BY OVAL-SHAPED DESIGN. Registered Mar. 26, 1929. Schindel-McDaniels Co. Renewed Mar. 26, 1949, to Schindel-McDaniels Co., Inc., New York, N. Y., a corporation of New York. BED SHEETS, PILLOWCASES, AND COTTON FABRICS. Class 42.

254,561. "RIP VAN WINKLE" AND PICTURESQUE DRAWING ENCLOSED BY RECTANGULAR DESIGN LINED FOR GOLD COLOR. Registered Mar. 26, 1929. Schindel-McDaniels Co. Renewed Mar. 26, 1949, to Schindel-McDaniels Co., Inc., New York, N. Y., a corporation of New York. BED SHEETS, PILLOWCASES, AND COTTON FABRICS. Class 42.

254,577. JOYNER'S. Registered Mar. 26, 1929. V. W. Joyner & Company, Incorporated, Smithfield, Va., a corporation of Virginia. Renewed Mar. 26, 1949. CURED PORK SHOULDERS, CURED PORK SIDES, AND SMOKED PORK JOWLS. Class 46.

254,719. "BIG TOM" AND REPRESENTATION OF HOG. Registered Mar. 26, 1929. Interstate Packing Company, Winona, Minn. Renewed Mar. 26, 1949, to Swift & Company, Chicago, Ill., a corporation of Illinois. HOG FEED. Class 46.

254,866. EPHENARIA. Registered Apr. 2, 1929. The Drug Products Co. Inc., Long Island City, N. Y. Renewed Apr. 2, 1949, to The Drug Products Co., Inc., Passaic, N. J., a corporation of New York. PECTORAL SYRUP. Class 6.

254,929. BOB-O-LENE. Registered Apr. 2, 1929. Aladdin Cosmetic Company, Minneapolis, Minn. Renewed Apr. 2, 1949, to Rilling Company, Bridgeport, Conn., a corporation of Connecticut. FINGER AND WATER WAVING COMPOUND AND FLUID. Class 6.

255,844. "DUTCH KRAFT" AND REPRESENTATION OF WINDMILL ENCLOSED BY RECTANGULAR DESIGN. Registered Apr. 30, 1929. Grand Rapids Paint and Enamel Company, Grand Rapids, Mich., a corporation of Michigan. Renewed Apr. 30, 1949. PASTE AND READY-MIXED PAINTS, PAINT ENAMELS, VARNISHES, AND LACQUERS. Class 16.

255,877. "HEATHER CHIEF" AND DESIGN. Registered Apr. 30, 1929. Heather Handkerchief Works Inc., New York, N. Y. Renewed Apr. 30, 1949, to Heather Handkerchief Works, Inc., Jersey City, N. J., a corporation of New York. HANDKERCHIEFS. Class 39.

256,522. "THE ORIGINAL EVINRUDE SPEEDITWIN" AND RECTANGULAR DESIGN. Registered May 21, 1929. Evinrude Motor Company, Milwaukee, Wis. Renewed May 21, 1949, to Outboard Marine and Manufacturing Company, Waukegan, Ill., a corporation of Delaware. INDIVIDUAL OUTBOARD BOAT MOTORS. Class 23.

256,535. ONEIDA JUMP. Registered May 21, 1929. Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania. Renewed May 21, 1949. ANIMAL TRAPS. Class 50.

256,688. REX. Registered May 21, 1929. The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio. Renewed May 21, 1949. THERMOSTATICALLY-OPERATED PRESSURE-RELIEF VALVES, THERMOSTATICALLY AND PRESSURE OPERATED RELIEF VALVES, ETC. Class 26.

256,759. PILLCO. Registered May 21, 1929. Pillsbury Flour Mills Company. Renewed May 21, 1949, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

257,338. CRACKELS. Registered June 4, 1929. The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey. Renewed June 4, 1949. BREAKFAST CEREALS. Class 46.

257,339. PURE GOLD. Registered June 4, 1929. The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey. Renewed June 4, 1949. CORN MEAL. Class 46.

257,737. LACTALA. Registered June 18, 1929. Smith, Kline & French Company. Renewed June 18, 1949, to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania. LACTOSE PREPARATION FOR USE IN THE TREATMENT OF INTESTINAL STASIS, CONSTIPATION, ETC. Class 6.

258,275. "MARIA GUERRERO" AND REPRESENTATION OF A CROWN ENCLOSED BY OVAL-SHAPED DESIGN. Registered July 2, 1929. Sociedad Anónima Romeo y Julieta, Fábrica de Tabacos. Renewed July 2, 1949, to Romeo y Julieta, Fabrica de Tabacos, S. A., Habana, Cuba, a corporation organized under the laws of the Republic of Cuba. CIGARS. Class 17.

258,321. "MO TURBO" ETC. AND DESIGN. Registered July 2, 1929. Peerless Pump Company, Los Angeles, Calif. Renewed July 2, 1949, to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware. DEEP-WELL TURBINE-PUMP HEADS. Class 23.

258,353. "CHELSEA CLOCKS" ETC. AND DESIGN. Registered July 2, 1929. Chelsea Clock Company, Chelsea and Boston, Mass. Renewed July 2, 1949, to Chelsea Clock Company, Chelsea, Mass., a corporation of Massachusetts. CLOCKS. Class 27.

258,528. AERO STEP. Registered July 9, 1929. Endicott Johnson Corporation, Endicott, N. Y. Renewed July 9, 1949, to Brown Shoe Company, Inc., St. Louis, Mo., a corporation of New York. LEATHER SHOES WITH RUBBER INSERTS OR CUSHIONS IN THE SOLES. Class 39.

258,780. "THE MEMORY STONE" ENCLOSED BY WREATH-SHAPED DESIGN. Registered July 16, 1929. Vermont Marble Company, Proctor, Vt., a corporation of Vermont. Renewed July 16, 1949. MARBLE AS QUARRIED, SEMI-FINISHED AND FINISHED MARBLE STONES, NOT INCLUDING THOSE USED FOR CONSTRUCTION PURPOSES. Class 1.

259,193. TENSILASTIC. Registered July 23, 1929. American Wringer Company, Inc., Woonsocket, R. I., a corporation of Rhode Island. Renewed July 23, 1949. SQUEEZING ROLLS CONSTRUCTED OF RUBBER ADAPTED FOR USE CHIEFLY IN LAUNDRY AND TEXTILE MACHINERY, PAPER MACHINERY, ETC. Class 23.

259,641. RAM'S HEAD. Registered Aug. 6, 1929. American Woolen Company, Boston, Mass. Renewed Aug. 6, 1949, to American Woolen Company, Boston, Mass., and New York, N. Y., a corporation of Massachusetts. WOOLEN PIECE GOODS. Class 42.

259,759. MITALENE. Registered Aug. 6, 1929. Spratt's Patent (America) Limited, London, England, and Newark, N. J., a corporation organized under the laws of Great Britain. Renewed Aug. 6, 1949. PREPARATION IN LIQUID FORM FOR WASHING CAGES AND PERCHES. Class 4.

259,977. SCOUROLAN. Registered Aug. 13, 1929. Ernst Bischoff Co. Inc., New York, N. Y. Renewed Aug. 13, 1949, to Ernst Bischoff Company, Incorporated, Ivoryton, Conn., a corporation of Connecticut. SOAPS FOR TEXTILE PURPOSES. Class 4.

260,233. MARCO-POLO. Registered Aug. 20, 1929. Habicht, Braun & Co. Renewed Aug. 20, 1949, to Braun Importing Co., Inc., New York, N. Y., a corporation of New York. CANNED FISH. Class 46.

260,283. BLUE GARDEN. Registered Aug. 20, 1929. Joubert Cle., Inc. Renewed Aug. 20, 1949, to Irresistible, Inc., New York, N. Y., a corporation of New Jersey. FACE AND TALCUM POWDERS, ROUGE, LIP STICK, FACE CREAMS, TOOTH PASTE, BRILLIANTINE, PERFUME, ETC. Class 6.

260,617. HOB NOB PRINTS. Registered Aug. 27, 1929. Marvlo Mills, Inc. Renewed Aug. 27, 1949, to Marvlo Fabrics, Inc., New York, N. Y., a corporation of New York. PIECE GOODS CONSISTING OF RAYON, SILK, AND MIXTURES OF RAYON AND COTTON AND SILK AND COTTON. Class 42.

260,780. "E. FOUGERA'S EAU ANGELIQUE" AND DESIGN. Registered Aug. 27, 1929. E. Fougera & Co., Inc., New York, N. Y., a corporation of New York. Renewed Aug. 27, 1949. DENTIFRICES—NAMELY, TOOTH PASTES, TOOTH POWDER, AND TOOTH WASH. Class 6.

261,005. SUNBRIGHT. Registered Sept. 3, 1929. Porterville Grape Association, Porterville, Calif., a partnership. Renewed Sept. 3, 1949. FRESH DECIDUOUS FRUITS—NAMELY, GRAPES. Class 46.

261,440. PACKER. Registered Sept. 17, 1929. Better Packages, Inc., New York, N. Y. Renewed Sept. 17, 1949, to Better Packages, Inc., Shelton, Conn., a corporation of New York. TAPE-SERVING MACHINES FOR FACILITATING THE WRAPPING OF PACKAGES BY SUPPLYING GUMMED TAPE AND MOISTENING THE TAPE TO BE ATTACHED TO THE PACKAGE. Class 23.

261,527. GOLDEN BEAR. Registered Sept. 17, 1929. Frank W. Bireley, doing business as The Frank W. Bireley Company, Los Angeles, Calif. Renewed Sept. 17, 1949, to General Foods Corporation, New York, N. Y., a corporation of Delaware. PREPARATION CONSISTING OF ORANGE JUICE, SUGAR AND OIL OF ORANGE USED IN THE MANUFACTURE OF ORANGE ICES, SHERBETS, ETC. Class 46.

261,563. "L" WITHIN REPRESENTATION OF CIRCLE. Registered Sept. 17, 1929. Lebanon Steel Foundry, Lebanon, Pa., a corporation of Pennsylvania. Renewed Sept. 17, 1949. IRON AND STEEL TO BE USED IN CASTINGS AND FOR IRON AND STEEL CASTINGS. Class 14.

261,571. "DUO-ESCOHOL", ETC. Registered Sept. 17, 1929, The Embalmers' Supply Company, Inc., Westport, Conn., a corporation of Connecticut. Renewed Sept. 17, 1949. EMBALMING FLUID. Class 6.

261,590. "STANLEY PLANE" ETC., AND DESIGN LINED FOR GREEN. Registered Sept. 17, 1929. The Stanley Works, New Britain, Conn., a corporation of Connecticut. Renewed Sept. 17, 1949. WOOD WORKING PLANES. Class 23.

261,615. "KNIGHTHOOD" AND REPRESENTATION OF KNIGHT ON HORSEBACK. Registered Sept. 17, 1929. Reeves, Parvin & Co., Philadelphia, Pa., a corporation of Delaware. Renewed Sept. 17, 1949. GRAPE JUICE AND ROOT-BEER EXTRACT. Class 45.

261,626. 100 PLUS. Registered Sept. 17, 1929. The Stanley Works, New Britain, Conn., a corporation of Connecticut. Renewed Sept. 17, 1949. CHISELS AND SCREW DRIVERS. Class 23.

261,690. MAYFAIR. Registered Sept. 24, 1929. Southern Spring Bed Company, Atlanta, Ga., a corporation of Georgia. Renewed Sept. 24, 1949. BEDS, BED SPRINGS, AND MATTRESSES. Class 32.

261,692. CELOGELE. Registered Sept. 24, 1929. Algin Products Corporation. Renewed Sept. 24, 1949, to Feedwaters, Inc., New York, N. Y., a corporation of New York. CHEMICALS USED FOR CLARIFYING WATER OF SEDIMENT, SALTS, IMPURITIES, AND THE LIKE. Class 6.

261,716. "BLANCOYNEGRO" AND DESIGN. Registered Sept. 24, 1929. Plough Chemical Company. Renewed Sept. 24, 1949, to Plough, Inc., Memphis, Tenn., a corporation of Delaware. LINE OF TOILET PREPARATIONS—NAMELY, COLD CREAM, PEROXIDE CREAM, SKIN OINTMENT, ETC. Class 6.

261,810. VOLUNTEER. Registered Sept. 24, 1929. Volunteer Portland Cement Company, Wilmington, Del., and Knoxville, Tenn. Renewed Sept. 24, 1949, to Volunteer Portland Cement Company, Knoxville, Tenn., a corporation of Delaware. PORTLAND CEMENT. Class 12.

261,811. "VOLUNTEER" SUPERIMPOSED ON LARGE V AND ENCLOSED BY CONCENTRIC CIRCLES DESIGN. Registered Sept. 24, 1929. Volunteer Portland Cement Company, Wilmington, Del., and Knoxville, Tenn. Renewed Sept. 24, 1949, to Volunteer Portland Cement Company, Knoxville, Tenn., a corporation of Delaware. PORTLAND CEMENT. Class 12.

261,821. SHAM 7 GLO. Registered Sept. 24, 1929. Schwarzwaelder Company. Renewed Sept. 24, 1949, to Aldan Rubber Company, Philadelphia, Pa., a corporation of Pennsylvania. WATERPROOF FABRICS. Class 42.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

423,847. TARTAN. Registered Sept. 10, 1946. McKesson & Robbins, Incorporated, New York, N. Y. ANTISEPTIC SUNTAN LOTION. Class 6. Corrected as follows: In the statement, line 16, "Jan. 25, 1900" should be *August 9, 1945.*

505,592. SECURITY CAP. Registered Jan. 11, 1949. B. J. Brooks Company, Newark, N. J. BASE METAL SEALS FOR BAGS OF FLEXIBLE MATERIAL. Class 25. Corrected as follows: In the statement, line 5, for the words "as adopted" read *has adopted.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

370,651. "HALEY'S" AND DESIGN. Registered Aug. 29, 1939. L. B. Haley, doing business as Haley Canning Company. BEEF BROTH, CHICKEN AND NOODLES, POT ROAST BEEF, CHICKEN A LA KING, ETC. Class 46. New certificate under section 7(c) issued June 21, 1949, to Haley Canning Company, Hillsboro, Oreg., a corporation of Oregon.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 55,108. Registered Aug. 7, 1906. THE WHITE OAK COAL CO., MacDonald, W. Va. Republished by The New River Company, Mount Hope, W. Va., a corporation of West Virginia.

WHITE OAK

FOR COAL.
Claims use since June 8, 1899.

Reg. No. 190,179. Registered June 2, 1925. O'GARA COAL COMPANY, Chicago, Ill. Republished by Sahara Coal Company, Chicago, Ill., a corporation of Delaware.

SAHARA

FOR COAL.
Claims use since Jan. 18, 1924.

Reg. No. 272,004. Registered June 24, 1930. TENNESSEE MINERAL PRODUCTS CORPORATION, Spruce Pine, N. C. Republished by United Feldspar & Minerals Corporation, New York, N. Y., a corporation of Delaware.

MINPRO FELDSPAR

The word "Feldspar" is disclaimed apart from the mark as shown.
FOR GROUND FELDSPAR.
Claims use since 1925.

Reg. No. 351,376. Registered Oct. 26, 1937. E. L. SMITH & Co., Barre, Vt. Republished by Rock of Ages Corporation, Barre, Vt., a corporation of Vermont.

FOR BLOCKS OF GRANITE NOT PREPARED FOR COMMERCIAL PURPOSES.
Claims use since Mar. 22, 1937.

Reg. No. 402,098. Registered June 29, 1943. HARRY T. CAMPBELL SONS' CORPORATION, Towson, Md., a corporation of Maryland. Republished by registrant.

CAMELSHELL

FOR CALCITE GRIT FOR POULTRY FEED.
Claims use since Oct. 1, 1942.

Reg. No. 411,937. Registered Feb. 13, 1945. WHITE OAK COAL COMPANY, Mount Hope, W. Va., assignor to the New River Company. Republished by The New River Company, Mount Hope, W. Va., a corporation of West Virginia.

NEW RIVER SMOKELESS WHITE OAK COAL COKE

The words "New River," "Smokeless," "Coal," and "Coke" are disclaimed apart from the mark as shown. The drawing is lined to represent the color red.
FOR COAL AND COKE.
Claims use since 1912.

CLASS 2

RECEPTACLES

Reg. No. 204,875. Registered Oct. 27, 1925. THE ANCHOR PAPER COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

TRUSTY

FOR PAPER BAGS.
Claims use since Mar. 1, 1924.

Reg. No. 354,684. Registered Feb. 22, 1938. TRANSPARENT PACKAGE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

TRANSPARENT ☆ SEALED ☆ IDENTIFIED TEE PAK

No claim is made to the words "Transparent," "Sealed," and "Identified" apart from the mark as shown.
FOR SAUSAGE CASINGS AND CONTAINERS FOR MEAT FOOD PRODUCTS MADE FROM REGENERATED CELLULOSE.
Claims use since Sept. 12, 1934.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 300,925. Registered Feb. 14, 1933. LIDO LUGGAGE CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

LIDO

FOR LUGGAGE—NAMELY, SUITCASES, HATBOXES, WARDROBE SUITCASES, WARDROBE HATBOXES, SATCHELS, HANDBAGS, GLADSTONE CASES, GRIPS, UTENSIL CASES FOR TOILET ACCESSORIES, AND FITTED CASES.
Claims use since Sept. 20, 1932.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 193,780. Registered Jan. 6, 1925. B HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FREEZE'EM

FOR CLEANSING, WASHING, AND SCOURING PREPARATION USED FOR GENERAL CLEANING PURPOSES, ESPECIALLY IN THE CLEANSING, WASHING, AND SCOURING OF ICEBOXES, REFRIGERATORS, SHOWCASES, FLOORS OF PUBLIC AND SEMI-PUBLIC BUILDINGS AND IN OTHER COMMERCIAL OR BUSINESS BUILDINGS.
Claims use since June 10, 1924.

Reg. No. 200,674. Registered July 7, 1925. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

TRU-WHITE

FOR WASHING POWDER.
Claims use since Feb. 2, 1925.

Reg. No. 234,922. Registered Nov. 8, 1927. J. A. WEBB BELTING CO., INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

Spider Webb

FOR LEATHER BELT FILLER.
Claims use since June 7, 1926.

Reg. No. 347,364. Registered June 22, 1937. McCOY, JONES & WHITLAKE, INC., Chicago, Ill. Republished by McCoy, Jones & Company, Inc., Chicago, Ill., a corporation of Illinois.

Suds-Buds

FOR SOAP.
Claims use since Jan. 2, 1937.

Reg. No. 432,605. Registered Sept. 9, 1947. IDEAL INDUSTRIES, INC., Sycamore, Ill., a corporation of Delaware. Republished by registrant.

IDEAL

FOR ABRASIVE RESURFACER STONES.
Claims use since Oct. 15, 1916.

Reg. No. 439,982. Registered Aug. 3, 1948. ESSENTIAL CHEMICALS CO., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

MOUNTAIN GREEN

FOR LIQUID CLEANER FOR FLOORS, WALLS, WOODWORK AND DISHES.
Claims use since Jan. 25, 1946.

CLASS 5

ADHESIVES

Reg. No. 235,535. Registered Nov. 22, 1927. J. A. WEBB BELTING CO., INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

Spider Webb

FOR LEATHER-BELT CEMENT BOTH GENERAL AND WATERPROOF.
Claims use since Aug. 20, 1926.

Reg. No. 422,467. Registered July 23, 1946. ISCO WALL PAPER CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Heart o' Wheat

The word "Wheat" is disclaimed apart from the mark as shown.
FOR PASTE SUITABLE FOR USE WITH WALL PAPER AND LIKE PRODUCTS.
Claims use since on or about Oct. 3, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 32,134. Registered Nov. 8, 1898. E. C. DE WITT & COMPANY, Chicago, Ill. Republished by E. C. De Witt & Co., Inc., Chicago, Ill., a corporation of New York.

KODOL

FOR PREPARATION FOR ALLEVIATING DISCOMFORTS OF EXCESS STOMACH ACIDITY AND IMPROVING THE APPETITE.
Claims use since June 1, 1898.

Reg. No. 46,466. Registered Sept. 19, 1905. NATIONAL TOILET COMPANY, Paris, Tenn., a corporation of Tennessee. Republished by registrant.

NADINOLA

FOR CREAM OINTMENT FOR THE TREATMENT OF SKIN DISEASES.
Claims use since Apr. 25, 1905.

Reg. No. 111,727. Registered Aug. 1, 1916. B. HELLER & Co., Chicago, Ill. Republished by B. Heller & Company, Chicago, Ill., a corporation of Illinois.

$1000.00 GUARANTEED



The expression "$1,000.00 Guaranteed" is disclaimed apart from the mark as shown.
FOR RAT OR MICE POISON, BED-BUG DESTROYER, AND ROACH-DESTROYER.
Claims use since June 18, 1914.

Reg. No. 122,475. Registered Aug. 20, 1918. B. HELLER & COMPANY, Chicago, Ill. Republished by B. Heller & Company, Chicago, Ill., a corporation of Illinois.

CONTENTO

FOR INSECTICIDE.
Claims use since Jan. 2, 1918.

Reg. No. 172,847. Registered Aug. 28, 1923. B. HELLER & COMPANY, Chicago, Ill. a corporation of Illinois. Republished by registrant.

IMPROVED FREEZE-EM PICKLE

The words "Improved," "Pickle," "Brand," "New Process For Curing Meat," "Invented and Made Only By," "Mfg. Chemists," "Chicago, U. S. A.," "Trade Mark Reg. U. S. Pat. Off.," and "Patented In The U. S. and Canada" are disclaimed apart from the mark as shown.
FOR CHEMICAL PREPARATION USED IN THE CURING OF MEAT.
Claims use since 1905.

Reg. No. 172,680. Registered Sept. 11, 1923. GLOBE LABORATORIES, Fort Worth, Tex., a corporation of Texas. Republished by registrant.



The drawing is lined for the color red.
FOR CLEAR, REFINED ANTI-HOG-CHOLERA SERUM, ANTI-HOG-CHOLERA SERUM, HOG-CHOLERA VIRUS, MIXED INFECTION BACTERIN FOR SWINE, SWINE-PLAGUE BACTERIN, BLACKLEG AGGRESSIN (KANSAS GERM-FREE VACCINE), STERILE ABORTION BACTERIN FOR CATTLE, AND HEMORRHAGIC SEPTICEMIA BACTERIN FOR CATTLE AND SHEEP.
Claims use since Dec. 20, 1920.

Reg. No. 182,819. Registered Apr. 15, 1924. B. HELLER & COMPANY, Chicago, Ill. a corporation of Illinois. Republished by registrant.



The words "Manufacturing," "Chemists," "Chicago," and the phrase "U. S. A." and "Trade Mark Registered" are disclaimed apart from the mark as shown.
FOR INSECTICIDES, MEATCURING PREPARATIONS AND COMPOUNDS, FOOD COLORS, BAKING POWDER, CHEMICAL PREPARATIONS FOR WASHING AND CLEANING PURPOSES, CHEMICAL PREPARATIONS FOR CLEANING MARKET AND BUTCHERS' UTENSILS AND TOOLS, CHEMICAL PREPARATIONS FOR CLEANING AND SOFTENING HAIR AND BRISTLES ON HOGS, DISINFECTANTS, AND CHEMICAL PREPARATIONS FOR CURING, PRESERVING, AND COLORING MEATS AND MEAT PRODUCTS.
Claims use since 1900.

Reg. No. 189,403. Registered Sept. 16, 1924. B. HELLER & COMPANY, Chicago, Ill. a corporation of Illinois. Republished by registrant.



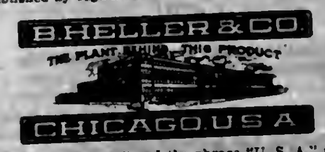
FOR CHEMICAL PREPARATION USED TO COLOR SAUSAGE CASINGS.
Claims use since 1894.

Reg. No. 193,520. Registered Dec. 30, 1924. B. HELLER & COMPANY, Chicago, Ill. a corporation of Illinois. Republished by registrant.

MALABOZA

FOR FOOD COLORS IN PASTE, DRY, AND LIQUID FORMS.
Claims use since January 1922.

Reg. No. 229,125. Registered June 21, 1927. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The word "Chicago" and the phrase "U. S. A." are disclaimed apart from the mark as shown.
FOR INSECTICIDES, MEATCURING PREPARATIONS AND COMPOUNDS, FOOD COLORS, BAKING POWDER, CHEMICAL PREPARATIONS FOR WASHING AND CLEANING PURPOSES, CHEMICAL PREPARATIONS FOR CLEANING WASTE PIPES AND DRAINS AND SINKS, CHEMICAL PREPARATIONS FOR CLEANING TOILET BOWLS OR PRIVIES; CHEMICAL PREPARATIONS FOR CLEANING WINDOWS, GLASS, AND SKYLIGHTS; CHEMICAL PREPARATIONS FOR CLEANING MARKET AND BUTCHERS' UTENSILS AND TOOLS, CHEMICAL PREPARATIONS FOR CLEANING AND SOFTENING HAIR AND BRISTLES ON HOGS, CHEMICAL PREPARATIONS FOR CLEANING ENAMEL AND PORCELAIN WARE, CHEMICAL PREPARATIONS FOR TANNING ANIMAL SKINS, DISINFECTANTS AND CHEMICAL PREPARATIONS FOR CURING, PRESERVING, AND COLORING MEATS AND MEAT PRODUCTS.
Claims use since June 15, 1926.

Reg. No. 249,625. Registered Nov. 20, 1928. EASTMAN KODAK COMPANY, Rochester, N. Y. Republished by Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey.

Athenon

FOR PHOTOGRAPHIC DEVELOPERS.
Claims use since February 1928.

Reg. No. 252,531. Registered Feb. 12, 1929. DRESSOLINE MANUFACTURING COMPANY, Chicago, Ill., a firm. Republished by registrant.



The words "Trade," "Mark," "Amicus," "Humani," and "Generic" are disclaimed apart from the mark as shown.
FOR ANTISEPTIC SALVE FOR EXTERNAL USE IN THE TREATMENT OF CUTS, BURNS, SCALDS, BRUISES, SUNBURN, ULCERS, INSECT BITES, AND IN GENERAL FOR ALL FLESH OR SKIN WOUNDS AND SKIN DISEASES.
Claims use since on or about Sept. 1, 1914.

Reg. No. 261,044. Registered Sept. 3, 1929. ANTHONY OVERTON, doing business as The Overton-Hygienic Mfg. Co., Chicago, Ill. Republished by The Overton-Hygienic Mfg. Co., Chicago, Ill., a corporation of Illinois.



FOR HAIR DRESSING AND STRAIGHTENER.
Claims use since Apr. 15, 1923.

Reg. No. 261,414. Registered Sept. 17, 1929. CHAMBERLAIN MEDICINE CO., Des Moines, Iowa. Republished by Chamberlain Laboratories, Inc., Des Moines, Iowa, a corporation of Iowa.



The drawing is lined for blue and yellow. The representation of the carton, per se, and all the words in the drawing except "Chamberlain's" and "Chamberlain's Laboratories" are disclaimed apart from the mark as shown.
FOR LOTION FOR HANDS.
Claims use since June 1925.

Reg. No. 266,369. Registered Jan. 14, 1930. INTRAVENOUS PRODUCTS CO. OF AMERICA, INC., New York, N. Y. Republished by Endo Products, Inc., Richmond Hill, N. Y., a corporation of New York.

ENDOGLOBIN

FOR GENERAL TONIC BUILDER INDICATED IN NUTRITIONAL DISTURBANCES, DURING CONVALESCENCE AND FOR ANEMIA, DEBILITY, CHLOROSIS, AND NEURASTHENIA PUT UP IN AMPULE AND COMPOUND FORMS.
Claims use since 1919.

Reg. No. 270,217. Registered Apr. 29, 1930. Gsoro Schicht A. G., Aussig, Czechoslovakia. Republished by Severoceske Tukove Zavody (Drive Jiri Schicht), Narodni Podnik, also named North Bohemian Fat Factories, formerly (Jiri Schicht) National Corporation, Usti nad Labem, Czechoslovakia, a corporation organized under the laws of Czechoslovakia.



FOR PERFUMES, FRAGRANT ESSENCES, FRAGRANT EXTRACTS, FRAGRANT OILS, COSMETICAL CREAMS, TOILET GLYCERINE, HAIR TONICS, HAIR WATERS, SCALP WATERS, TOOTH AND MOUTH WASHES, POMADES, FACE POWDERS, TALCUM POWDERS, TOOTH PASTE AND POWDERS, COLOGNE WATERS, BATH SALTS, COLD CREAMS, VANISHING CREAMS, FACE CREAMS, EYEBROW PENCILS, HAIR WASHES, HAND LOTIONS, NAIL POLISHES, NAIL PASTES, SHAMPOOS, TOILET WATERS AND TOILET VINEGARS, TOILET-POWDER COMPACTS, LIP STICKS, ROUGES, SKIN LOTIONS, SMELLING SALTS, HAIR DYES, HAIR SALVES, HAIR OILS, INCENSE, NAIL POWDERS, NAIL BLEACHES, DENTIFRICES, DEODORANTS, DISINFECTANTS, BLUING.
Claims use since 1921.

Reg. No. 278,057. Registered Dec. 2, 1930. DU-GAS FIRE EXTINGUISHER CORPORATION, New York, N. Y. Republished by Ansul Chemical Company, Marinette, Wis., a corporation of Wisconsin.



The word "Gas" is disclaimed apart from the mark as shown.
FOR FIRE-EXTINGUISHING CHEMICALS.
Claims use since Apr. 15, 1929.

Reg. No. 320,510. Registered Jan. 1, 1935. THE BARRETT COMPANY, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.



FOR INORGANIC CHEMICALS—NAMELY, NITRATE OF SODA.
Claims use since June 25, 1934.

Reg. No. 323,972. Registered May 7, 1935. ALBERT L. CALDER COMPANY, INCORPORATED, Providence, R. I., a corporation of Rhode Island. Republished by registrant, present address Long Island City, N. Y.

CALDER'S DENTINE

FOR DENTIFRICE.
Claims use since 1850.

Reg. No. 334,691. Registered May 12, 1936. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR CONCENTRATED LIQUID LAUNDRY BLUING.
Claims use since July 19, 1935.

Reg. No. 353,557. Registered Jan. 11, 1938. WALGREEN CO., doing business as Carrel, Chicago, Chicago, Ill. Republished by Carrel, Ltd., Chicago, Ill., a corporation of Illinois.

• TIDY •

FOR DEODORANT.
Claims use since September 1928.

Reg. No. 381,872. Registered Oct. 15, 1940. CHARLES B. HAGAMAN, doing business as Medi-Phragm Products, Denver, Colo. Republished by registrant, present address Arvada, Colo.

MEDI-PHRAGM

FOR ANTISEPTIC VAGINAL JELLY SOLD IN SEPARATE PACKAGES AND IN A COMBINATION PACKAGE CONTAINING A VAGINAL JELLY AND AN APPLICATOR.
Claims use since Feb. 1, 1938.

Reg. No. 386,263. Registered Apr. 1, 1941. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

(Q.A.)

FOR CHEMICAL PREPARATION FOR USE IN CURING MEAT.
Claims use since Sept. 26, 1940.

Reg. No. 389,772. Registered Aug. 19, 1941. ENDO PRODUCTS INC., New York, N. Y., a corporation of New York. Republished by registrant, present address Richmond Hill, N. Y.

TRIKETOL

FOR PREPARATION CONSISTING OF A COMBINATION OF OXIDIZED UNCONJUGATED BILE ACIDS FOR THE TREATMENT OF DISEASES OF THE BILE.
Claims use since July 1, 1940.

Reg. No. 390,141. Registered Sept. 9, 1941. ORTHO PRODUCTS, INC., Linden, N. J. Republished by Ortho Pharmaceutical Corporation, Raritan, N. J., a corporation of New Jersey.

ORTHO

FOR VAGINAL CREAMS AND JELLIES.
Claims use since Mar. 21, 1941.

Reg. No. 391,245. Registered Oct. 28, 1941. PAUL DONALD ST. JOHN, Claremont, Calif. Republished by registrant.

SONG of the ISLANDS

FOR PERFUMES.
Claims use since July 1, 1940.

Reg. No. 395,892. Registered June 16, 1942. CHEOPHYL LABORATORIES, INC., Kansas City, Mo., a corporation of Delaware. Republished by registrant.

Graslets

FOR THERAPEUTIC VITAMIN PREPARATION USED AS A FOOD SUPPLEMENT FOR PETS.
Claims use since Sept. 26, 1941.

Reg. No. 397,420. Registered Sept. 8, 1942. CHEOPHYL LABORATORIES, INC., Kansas City, Mo., a corporation of Delaware. Republished by registrant.

GRAS

FOR THERAPEUTIC VITAMIN PREPARATION USED AS A FOOD SUPPLEMENT FOR PETS.
Claims use since June 11, 1941.

Reg. No. 399,980. Registered Feb. 9, 1943. WALGREEN CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

THURETS

FOR COATED LAXATIVE PELLETS.
Claims use since August 1937.

Reg. No. 401,449. Registered May 18, 1943. CHICAGO PHARMACAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SPASTOSED

FOR PREPARATION FOR USE IN THE TREATMENT OF SPASTIC CONDITIONS OF THE STOMACH AND BOWELS.
Claims use since Nov. 4, 1942.

Reg. No. 402,123. Registered June 29, 1943. VALENTINE LABORATORIES, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

VALEROL

FOR VITAMIN PREPARATIONS FOR INTERNAL USE FOR THE TREATMENT OF VITAMIN DEFICIENCY.
Claims use since Jan. 12, 1940.

Reg. No. 406,166. Registered Mar. 14, 1944. THE BOYD MANUFACTURING COMPANY, INC., Birmingham, Ala., a corporation of Alabama. Republished by registrant.

La Nola

FOR FACE CREAMS, TALCUM POWDERS, FACE-POWDERS, PERFUMES, AND TOILET WATERS.
Claims use since Mar. 24, 1916.

Reg. No. 410,689. Registered Dec. 12, 1944. NATIONAL TOILET COMPANY, doing business as Merrit Products Company, Paris, Tenn., a corporation of Tennessee. Republished by registrant.

Jan/16

FOR FACE POWDER AND PERFUME.
Claims use since Feb. 12, 1942.

Reg. No. 413,789. Registered May 15, 1945. ORTHO PRODUCTS, INC., Linden, N. J. Republished by Ortho Pharmaceutical Corporation, Raritan, N. J., a corporation of New Jersey.

Nutri-Sal

The syllable "Sal" is disclaimed apart from the mark as shown.
FOR THERAPEUTIC DOUCHE POWDER.
Claims use since Sept. 24, 1943.

Reg. No. 416,611. Registered Sept. 25, 1945. WALGREEN CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

XPOSE

FOR SUN TAN LIQUID.
Claims use since May 7, 1940.

Reg. No. 423,077. Registered Aug. 20, 1946. ORTHO PHARMACEUTICAL CORPORATION, Linden, N. J., a corporation of New Jersey. Republished by registrant, present address Raritan, N. J.

PRE-SERVISAL

FOR VAGINAL DOUCHE.
Claims use since Apr. 3, 1945.

Reg. No. 424,220. Registered Sept. 24, 1946. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

TOES-UP

The drawing is lined for the color red.
FOR INSECTICIDE PREPARATION FOR REPELLING AND KILLING FLIES, MOSQUITOES, MOTHS, ROACHES, BEDBUGS, AND MANY OTHER HOUSEHOLD INSECTS.
Claims use since Feb. 1, 1946.

Reg. No. 426,837. Registered Dec. 24, 1946. CARREL, LTD., Chicago, Ill., a corporation of Illinois. Republished by registrant.

TAHINI

FOR COSMETIC PREPARATIONS—NAMELY, PERFUME AND COLOGNE.
Claims use since Dec. 3, 1937.

Reg. No. 432,349. Registered Sept. 2, 1947. NATIONAL TOILET COMPANY, doing business as Merrit Products Company, Paris, Tenn., a corporation of Tennessee. Republished by registrant.

MERITONE

FOR LIQUID HAIR DRESSING AND STRAIGHTENER, ANTISEPTIC MOUTH WASH AND GARGLE, HAIR TONIC, FOOT BALM, FOOT SOOTHE POWDER, COCOANUT OIL SHAMPOO JELLY, AFTER-SHAVING LOTION, DEODORANT, AND DISINFECTANT.
Claims use since June 29, 1944.

Reg. No. 436,570. Registered Feb. 10, 1948. THOMPSON-HAYWARD CHEMICAL COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

TRI-6 NO. 50W

FOR INSECTICIDES.
Claims use since Apr. 5, 1947.

Reg. No. 439,457. Registered June 29, 1948. ORTHO PHARMACEUTICAL CORPORATION, Linden, N. J., a corporation of New Jersey. Republished by registrant, present address Raritan, N. J.

Nidoxital

FOR PHARMACEUTICAL PREPARATION FOR THE TREATMENT OF NAUSEA AND VOMITING.
Claims use since Jan. 2, 1947.

Reg. No. 439,533. Registered July 27, 1948. MCCORMICK & CO., INCORPORATED, Baltimore, Md., a corporation of Maryland. Republished by registrant.

ABEJA

FOR INSECTICIDES—TO WIT, INSECTICIDAL SHAMPOO, FLEA AND TICK KILLER, WALL AND SCREEN SPRAY.
Claims use since Mar. 1, 1946.

Reg. No. 440,182. Registered Aug. 17, 1948. CHEMICALS, INC., San Francisco and Oakland, Calif., a corporation of California. Republished by registrant.

Vano

FOR LIQUID STARCH.
Claims use since Jan. 7, 1946.

CLASS 10
FERTILIZERS

Reg. No. 279,641. Registered Jan. 20, 1931. WILSON & TOOMER FERTILIZER CO., Jacksonville, Fla., a corporation of Florida. Republished by registrant.

IDEAL

FOR FERTILIZERS AND FERTILIZER MATERIALS.
Claims use since September 1921.

Reg. No. 319,510. Registered Nov. 27, 1934. WILSON & TOOMER FERTILIZER CO., Jacksonville, Fla., a corporation of Florida. Republished by registrant.

ALKO

FOR FERTILIZER AND FERTILIZER MATERIALS.
Claims use since July 15, 1932.

Reg. No. 219,582. Registered Nov. 27, 1934. THE BARRETT COMPANY, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.



FOR CHEMICAL FERTILIZERS.
Claims use since June 25, 1934.

Reg. No. 367,134. Registered May 9, 1939. THE BARRETT COMPANY, New York, N. Y. Republished by Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York.

A-N-L

FOR FERTILIZER.
Claims use since Aug. 22, 1938.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 212,065. Registered Apr. 27, 1926. CADWALLADER-GIBSON CO., INC., Los Angeles, Calif. Republished by Mahogany Importing Company, Los Angeles, Calif., a corporation of California.

BAGAC

FOR LUMBER OF ALL KINDS USED FOR PANELS AND DOORS.
Claims use since 1918.

Reg. No. 212,079. Registered Apr. 27, 1926. CADWALLADER-GIBSON CO., INC., Los Angeles, Calif. Republished by Mahogany Importing Company, Los Angeles, Calif., a corporation of California.

ORION

FOR LUMBER OF ALL KINDS USED FOR PANELS AND DOORS.
Claims use since 1919.

Reg. No. 212,080. Registered Apr. 27, 1926. CADWALLADER-GIBSON CO., INC., Los Angeles, Calif. Republished by Mahogany Importing Company, Los Angeles, Calif., a corporation of California.

LAMAO

FOR LUMBER OF ALL KINDS USED FOR PANELS AND DOORS.
Claims use since 1915.

Reg. No. 215,861. Registered July 27, 1926. CADWALLADER-GIBSON CO., INC., Los Angeles, Calif. Republished by Mahogany Importing Company, Los Angeles, Calif., a corporation of California.



FOR LUMBER OF ALL KINDS, PARTICULARLY WOODS USED FOR PANELS AND DOORS.
Claims use since 1919.

Reg. No. 248,265. Registered Oct. 16, 1928. THE FLINTKOTE COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address New York, N. Y.

KOOL-BLEND

FOR ASPHALTIC COMPOSITION ROOFING SHINGLES.
Claims use since on or about July 1, 1927.

Reg. No. 248,278. Registered Oct. 16, 1928. THE FLINTKOTE COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address New York, N. Y.

KOLORDRIFT

FOR ASPHALTIC COMPOSITION ROOFING SHINGLES.
Claims use since on or about Jan. 1, 1927.

Reg. No. 250,528. Registered Dec. 11, 1928. THE FLINTKOTE COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address New York, N. Y.

FLINTKOTE

PROTECTION

The word "Protection" is disclaimed apart from the mark as shown.
FOR COMPOSITION ROLL ROOFING, COMPOSITION SHINGLES AND STRIP SHINGLES, WATERPROOF ROOFING AND BUILDING PAPER.
Claims use since about Feb. 25, 1928.

Reg. No. 250,643. Registered Dec. 11, 1928. THE FLINTKOTE COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address New York, N. Y.

Colorglo

FOR ASPHALTIC COMPOSITION ROOFING SHINGLES.
Claims use since on or about July 1, 1927.

Reg. No. 351,631. Registered Nov. 2, 1937. E. L. SMITH & Co., Barre, Vt. Republished by Rock of Ages Corporation, Barre, Vt., a corporation of Vermont.



FOR MACHINED OR POLISHED BLOCKS OR SLABS OF GRANITE.
Claims use since Mar. 22, 1937

Reg. No. 434,666. Registered Dec. 2, 1947. HIGGINS INDUSTRIES, INC., New Orleans, La., a corporation of Louisiana. Republished by registrant.

THERMO - NAMEL

FOR LIGHT GAUGE NON-CARBON STEEL PORCELAIN MATERIALS IN SHEETS FOR USE IN THE CONSTRUCTION OF PORTABLE HOUSES AND OTHER BUILDINGS.
Claims use since July 1943.

Reg. No. 438,254. Registered Apr. 13, 1948. THE FLINTKOTE COMPANY, New York, N. Y., a corporation of Massachusetts. Republished by registrant.

Flintseal

FOR COMPOUND FOR SEALING OF EXPANSION OR CONTRACTION JOINTS IN CONCRETE ROAD, STREET, AND AIRPORT PAVEMENTS.
Claims use since on or about Aug. 5, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 124,790. Registered Mar. 11, 1919. THE TOWNSEND COMPANY, New Brighton, Pa., a corporation of Pennsylvania. Republished by registrant.



FOR SHIP-RIVETS.
Claims use since Feb. 5, 1918.

Reg. No. 317,539. Registered Sept. 25, 1934. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SPEE-DEE CIRCULATOR

The word "Circulator" is disclaimed apart from the mark as shown.
FOR METAL PIPE FITTINGS.
Claims use since Mar. 10, 1933.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 489,964. Registered Aug. 3, 1948. THE PATROL VALVE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

PATROL

The drawing is lined to represent the color blue in the outline borders of the letters.
FOR METALLIC FITTINGS AND ALLOYS INCLUDING ANODE RODS FOR PREVENTING CORROSION OF TANKS, LIQUID CONTAINERS, AND WATER HEATERS.
Claims use since Apr. 1, 1946.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 126,020. Registered Dec. 23, 1919. FRANK H. BROWN, Pottstown, Pa. Republished by Varcraft Works, Inc., Pottstown, Pa., a corporation of Pennsylvania.

Varcraft

FOR ENAMEL PAINTS, READY-MIXED PAINTS, COLORS IN OIL, COLORS IN JAPAN, VARNISHES, JAPANS, WOOD-STAINS, AND LIQUID SHELLACS.
Claims use since May 31, 1919.

Reg. No. 330,815. Registered Nov. 26, 1935. F. J. COOLEDGE & SONS, INC., Atlanta, Ga., a corporation of Georgia. Republished by registrant.

Perma-Flint

The word "Tint" is disclaimed apart from the mark as shown.
FOR CALCIMINE.
Claims use since on or about Dec. 1, 1923.

Reg. No. 330,816. Registered Nov. 26, 1935. F. J. COOLEDGE & SONS, INC., Atlanta, Ga., a corporation of Georgia. Republished by registrant.

PERMASPAR

The word "Spar" is disclaimed apart from the mark as shown.
FOR VARNISH, READY-MIXED PAINTS, AND PAINT ENAMELS, ALL CONTAINING AN OIL VEHICLE AND RESIN.
Claims use since on or about Apr. 3, 1935.

CLASS 19

VEHICLES

Reg. No. 72,436. Registered Jan. 26, 1909. OVERLAND AUTOMOBILE COMPANY, Indianapolis, Ind. Republished by Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware.

Overland

FOR AUTOMOBILES.
Claims use since Aug. 1, 1903.

Reg. No. 384,400. Registered Jan. 21, 1941. HAROLD D. BRAINARD, Clinton, Conn. Republished by registrant.

ZIP

FOR SAILBOATS OF THE KEEL SLOOP AND CENTERBOARD TYPES.
Claims use since about May 11, 1940.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 244,615. Registered July 24, 1928. THE FEDERAL GAUGE CO., Chicago, Ill. Republished by The Mercoid Corporation, Chicago, Ill., a corporation of Delaware.



The lining on the drawing indicates the green color of the fabric covering of the wire in combination with the yellow color of a narrow ring of fabric surrounding one end of the conductor wire, as shown in the drawing, no claim being made to the representation of the goods.
FOR LEAD WIRES FOR ELECTRICAL CONNECTIONS TO MERCURY-TUBE SWITCHES.
Claims use since January 1922.

Reg. No. 245,654. Registered Aug. 21, 1928. THE FEDERAL GAUGE CO., Chicago, Ill. Republished by The Mercoid Corporation, Chicago, Ill., a corporation of Delaware.

RISERTHERM

FOR ELECTRIC CONTROLS FOR ELECTRIC SWITCHES, TEMPERATURE-OPERATED ELECTRIC SWITCHES, PRESSURE - OPERATED ELECTRIC SWITCHES, AND PARTS THEREOF.
Claims use since on or about Mar. 14, 1928.

Reg. No. 261,103. Registered Sept. 3, 1929. PREST-O-LITE STORAGE BATTERY CORPORATION, Speedway, Ind. Republished by Ford Motor Company, Dearborn, Mich., a corporation of Delaware.

MERCURY

FOR STORAGE BATTERIES.
Claims use since Dec. 12, 1928.

Reg. No. 286,142. Registered Aug. 18, 1931. CONTINENTAL TIRE CORPORATION, Chicago, Ill. Republished by Continental Products, Inc., Chicago, Ill., a corporation of Illinois.

BEST-BET

FOR STORAGE BATTERIES.
Claims use since Mar. 25, 1931.

Reg. No. 306,466. Registered Sept. 19, 1933. THE WADSWORTH ELECTRIC MFG. CO., INC., Covington, Ky., a corporation of Kentucky. Republished by registrant.

D-tach-O

FOR SHOW-CASE LIGHTING ASSEMBLIES AND PARTS THEREOF.
Claims use since May 11, 1932.

Reg. No. 342,559. Registered Jan. 19, 1937. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill. Republished by Pioneer Gen-E-Motor Corporation, Chicago, Ill., a corporation of Delaware.

'GENE'

FOR DYNAMOTORS, GENERATORS, INVERTED ROTARY CONVERTERS, AND MOTOR GENERATORS.
Claims use since Oct. 14, 1932.

Reg. No. 353,098. Registered Dec. 28, 1937. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill. Republished by Pioneer Gen-E-Motor Corporation, Chicago, Ill., a corporation of Delaware.

RED TOP

FOR GENERATORS, MOTORS, DYNAMOTORS, INVERTED ROTARY CONVERTERS, MOTOR GENERATORS, GAS ENGINE DRIVEN ELECTRIC GENERATING PLANTS AND WIND DRIVEN ELECTRIC GENERATING AND BATTERY CHARGING PLANTS.
Claims use since Jan. 27, 1937.

Reg. No. 358,949. Registered July 26, 1938. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill. Republished by Pioneer Gen-E-Motor Corporation, Chicago, Ill., a corporation of Delaware.

PINCOR

FOR GENERATORS, ELECTRIC MOTORS, DYNAMOTORS, INVERTED ROTARY CONVERTERS, MOTOR GENERATORS, GAS ENGINE DRIVEN ELECTRIC GENERATING PLANTS, WIND DRIVEN ELECTRIC GENERATING PLANTS, BATTERY CHARGING PLANTS, AND ELECTRIC POWER PLANTS.
Claims use since Mar. 22, 1938.

Reg. No. 390,004. Registered Sept. 2, 1941. THE WADSWORTH ELECTRIC MFG. CO., INC., Covington, Ky., a corporation of Kentucky. Republished by registrant.



FOR ELECTRIC SWITCHES, ELECTRIC FUSE BOXES AND COMBINED SWITCH AND FUSE BLOCK STRUCTURES, ELECTRIC WIRING TROUGHS, ELECTRIC METER ENCLOSURES, PANEL BOARDS BOTH FUSIBLE AND CIRCUIT BREAKER TYPE, CHANNELS FOR ELECTRIC WIRING, ELECTRIC CIRCUIT BREAKERS, ELECTRIC TIME SWITCHES, ELECTRIC MOTOR STARTERS, AND ELECTRIC CONNECTORS AND TERMINALS.
Claims use since Jan. 20, 1941.

Reg. No. 404,942. Registered Dec. 28, 1943. SPRAGUE SPECIALTIES COMPANY, North Adams, Mass. Republished by Sprague Electric Company, North Adams, Mass, a corporation of Massachusetts.

CEROC

FOR ELECTRICAL CONDUCTORS.
Claims use since Aug. 9, 1943.

Reg. No. 410,450. Registered Nov. 28, 1944. PERMOFLUX CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PERMOFLUX

The representation of the transducer is disclaimed apart from the mark as shown.
FOR PERMANENT MAGNET DYNAMIC TRANSDUCERS.
Claims use since on or about July 23, 1939.

Reg. No. 410,463. Registered Nov. 28, 1944. PERMOFLUX CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PERMOFLUX

FOR PERMANENT MAGNET DYNAMIC TRANSDUCERS.
Claims use since on or about Oct. 16, 1943.

Reg. No. 411,610. Registered Jan. 23, 1945. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

PINCOR Products

The word "Products" is disclaimed apart from the mark as shown.
FOR GENERATORS, ELECTRIC MOTORS, DYNAMOTORS, INVERTED ROTARY CONVERTERS, MOTOR GENERATORS, GAS ENGINE DRIVEN ELECTRIC GENERATING PLANTS, WIND DRIVEN ELECTRIC GENERATING AND BATTERY CHARGING PLANTS, BATTERY CHARGING PLANTS, AND ELECTRIC POWER PLANTS.
Claims use since November 1940.

Reg. No. 440,661. Registered Sept. 14, 1948. ERIE RESISTOR CORPORATION, Erie, Pa., a corporation of Pennsylvania. Republished by registrant.

GP

FOR CERAMIC CONDENSERS FOR THE RADIO FIELD.
Claims use since Nov. 2, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 206,046. Registered Nov. 24, 1925. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass., a corporation of Maine. Republished by registrant.

GOLDEN SPINNER



FOR FISHING LINES.
Claims use since Aug. 1, 1923.

Reg. No. 368,093. Registered June 6, 1939. WALGREEN CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR GOLF BALLS.
Claims use since Jan. 16, 1939.

Reg. No. 405,335. Registered Jan. 25, 1944. THE BRUNSWICK-BALKE COLLENDER COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

20TH. CENTURY

FOR BOWLING ALLEYS AND PARTS THEREOF, BOWLING PIN-SETTERS AND PARTS THEREOF, AND NEWEL POSTS FOR BOWLING BALL RACKS.
Claims use since July 1, 1940.

Reg. No. 439,854. Registered July 27, 1948. GENERAL MACHINE COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

RITE-ARC

FOR GOLF CLUBS OF THE CHARACTER KNOWN AS "PUTTERS."
Claims use since Aug. 28, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 227,947. Registered May 17, 1927. SPEEDER MACHINERY CORPORATION, Fairfield, Iowa. Republished by Link-Belt Speeder Corporation, Cedar Rapids, Iowa, a corporation of Illinois.

SPEEDER

FOR GASOLINE SHOVELS, CRANES, AND DRAG LINES.
Claims use since Jan. 1, 1926.

Reg. No. 279,372. Registered Jan. 13, 1931. DU-GAS FIRE EXTINGUISHER CORPORATION, New York, N. Y. Republished by Ansul Chemical Company, Marinette, Wis., a corporation of Wisconsin.

duGas

The word "Gas" is disclaimed apart from the mark as shown.
FOR PORTABLE HAND FIRE-EXTINGUISHING APPARATUS.
Claims use since Apr. 16, 1929.

Reg. No. 353,085. Registered Dec. 28, 1937. ED FRIEDRICH, INC., San Antonio, Tex., a corporation of Texas. Republished by registrant.

FLOATING AIR

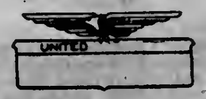
FOR COMPRESSORS FOR FREEZING LIQUIDS, SUCH AS USED IN MACHINES FOR MAKING ICE, AND REFRIGERATING CONDENSING UNITS, I. E., MACHINES OPERATED BY MOTORS AND USED FOR CIRCULATING THE REFRIGERANT THROUGH COOLING COILS.
Claims use since June 15, 1936.

Reg. No. 362,745. Registered Nov. 29, 1938. CONE AUTOMATIC MACHINE COMPANY INC., Windsor, Vt., a corporation of Vermont. Republished by registrant.

CONOMATIC

FOR AUTOMATIC LATHES AND SCREW MACHINES.
Claims use since May 26, 1932.

Reg. No. 403,945. Registered Oct. 26, 1943. THE UNITED SPECIALTIES COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.



FOR AIR CLEANERS FOR ENGINES, DUST SEPARATORS, AND CLASSIFIERS, AS USED IN THE SEPARATION OF SOLIDS FROM GASES.
Claims use since May 1935.

Reg. No. 418,507. Registered Jan. 1, 1946. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

PINCOR Products

The word "Products" is disclaimed apart from the mark as shown.
FOR HAND AND ENGINE DRIVEN LAWN MOWERS AND PARTS THEREOF, GARDEN TRACTORS, SPRAYERS, AND PUMPS.
Claims use since August 1938.

Reg. No. 431,618. Registered July 29, 1947. IDEAL INDUSTRIES, INC., Sycamore, Ill., a corporation of Delaware. Republished by registrant.

Air-Horse

The word "Air" is disclaimed apart from the mark as shown.
FOR PNEUMATIC TOOLS—NAMELY, RIVETING HAMMERS.
Claims use since Jan. 28, 1946.

Reg. No. 433,653. Registered Oct. 21, 1947. MIDWESTERN TOOL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

BROCHIP

FOR MILLING CUTTERS.
Claims use since Feb. 3, 1945.

Reg. No. 439,662. Registered July 13, 1948. CARTER CARBURETOR CORPORATION, St. Louis, Mo., a corporation of Delaware. Republished by registrant.



The shading represents the colors red and black.
FOR INTERNAL COMBUSTION ENGINES AND AUTOMOTIVE ACCESSORIES AND PARTS—NAMELY, CARBURETORS, FUEL FILTERS, FUEL PUMPS, AND TOOLS AND PARTS THEREOF.
Claims use since April 1936.

Reg. No. 439,741. Registered July 20, 1948. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

PINCOR

FOR POWER LAWN MOWERS, HAND LAWN MOWERS, AND GARDEN TRACTORS, AND PARTS THEREOF.
Claims use since Sept. 27, 1945.

Reg. No. 439,742. Registered July 20, 1948. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.



The drawing is lined for orange or yellow, and also the color blue.
FOR POWER LAWN MOWERS, HAND LAWN MOWERS, AND GARDEN TRACTORS, AND PARTS THEREOF.
Claims use since Sept. 27, 1945.

Reg. No. 440,352. Registered Aug. 24, 1948. A. B. T. MANUFACTURING CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

AUTO CLERK

The word "Auto" is disclaimed apart from the mark as shown.
FOR COIN-CONTROLLED AUTOMATIC FOOD AND COMMODITY VENDING MACHINE.
Claims use since Mar. 1, 1947.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 102,458. Registered Feb. 9, 1915. J. T. SLOCOMB COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.



The representation of a micrometer is disclaimed apart from the mark as shown.
FOR MICROMETERS.
Claims use since June 16, 1911.

Reg. No. 277,993. Registered Dec. 2, 1930. THE PATROL VALVE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

PATROL FLASH

FOR GAS-RANGE-BURNER IGNITION AND CONTROL DEVICES—NAMELY, TOP-BURNER LIGHTERS, OVEN-BURNER LIGHTERS, COMBINED TOP AND OVEN BURNER LIGHTERS, COMBINED LIGHTERS AND SAFETY FUEL-CUT-OFF DEVICES FOR THE BURNERS OF A GAS RANGE, AND IGNITION PILOT CONTROLLED THERMOSTATIC CUT-OFF VALVES FOR GAS RANGES.
Claims use since June 16, 1930.

Reg. No. 439,677. Registered July 13, 1948. JABEZ BURNS & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

THERMALO

FOR ELECTRICAL INSTRUMENTS FOR DETECTING THE PRESENCE OF FLAMMABLE GASES OR VAPORS, IN ENCLOSED AND PARTIALLY ENCLOSED SPACES AND IN ROASTING, BAKING, DRYING, AND CHEMICAL EQUIPMENTS, AND FOR INDICATING THE CONCENTRATION OF SAID GASES OR VAPORS AND FUNCTIONING AT PREDETERMINED CONCENTRATIONS OF THE SAME TO ACTUATE PROTECTIVE CONTROLS, SIGNALS, AND ALARMS.
Claims use since July 2, 1946.

Reg. No. 440,801. Registered Sept. 28, 1948. FEDERAL MANUFACTURING AND ENGINEERING CORP., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

FEDERAL

FOR PHOTOGRAPHIC EQUIPMENT—NAMELY, PHOTO-ENLARGERS, PHOTO-PROJECTION PRINTERS, CAMERAS, AND FOCUSING TARGETS; AND OPTICAL EQUIPMENT—NAMELY, MICROSCOPES, PROJECTORS FOR PROJECTING IMAGES, MICROFILM PROJECTORS, AND MICROFILM READERS.
Claims use since on or about January 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 72,178. Registered Jan. 5, 1909. THE WESTERN CLOCK MFG. CO., La Salle, Ill. Republished by General Time Instruments Corporation, New York, N. Y., a corporation of Delaware.

BIG BEN

FOR CLOCKS AND WATCHES.
Claims use since Mar. 16, 1908.

Reg. No. 226,196. Registered Apr. 5, 1927. LEONIDAS WATCH FACTORY VVE CONSTANT JEANNERET-DROZ, St. Imier, Switzerland. Republished by Leonidas Watch Factory Ltd., St. Imier, Switzerland, a corporation of Switzerland.



LEONIDAS

FOR WATCHES AND PARTS OF WATCHES.
Claims use since March 1912.

Reg. No. 409,178. Registered Sept. 19, 1944. GEORGE N. WALLACE, New York, N. Y. Republished by registrant.

Lady Racine

FOR WATCHES AND PARTS THEREOF.
Claims use since October 1890.

Reg. No. 409,179. Registered Sept. 19, 1944. GEORGE N. WALLACE, New York, N. Y. Republished by registrant.

NATIONAL PARK

FOR WATCHES, AND PARTS THEREOF.
Claims use since July 1889.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 258,243. Registered July 2, 1929. SHIMAN MFG. CO. INC., Newark, N. J., a corporation of New York. Republished by registrant.

ESEMCO

FOR JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES MADE OF GOLD, SILVER, PLATINUM, WHITE METAL, COPPER, OR BEING GOLD PLATED OR SILVER PLATED.
Claims use since October 1921.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 437,166. Registered Mar. 9, 1948. WHITING-ADAMS COMPANY, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

REGAL

FOR OVAL VARNISH BRUSHES FOR VARNISHING OR SIMILAR LIQUID-APPLYING USE.
Claims use since at least on or about Jan. 1, 1930.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 306,811. Registered Sept. 26, 1933. GLASCOCK BROTHERS MFG. CO., Muncie, Ind., a corporation of Indiana. Republished by registrant.

Glasco

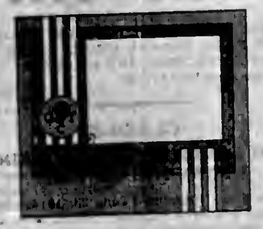
FOR DISPENSING COOLERS FOR BOTTLED BEVERAGES.
Claims use since Nov. 1, 1928.

Reg. No. 353,085. Registered Dec. 28, 1937. ED FRIEDRICH, INC., San Antonio, Tex., a corporation of Texas. Republished by registrant.

FLOATING AIR

FOR COMPRESSORS FOR FREEZING LIQUIDS, SUCH AS USED IN MACHINES FOR MAKING ICE, AND REFRIGERATING CONDENSING UNITS, I. E., MACHINES OPERATED BY MOTORS AND USED FOR CIRCULATING THE REFRIGERANT THROUGH COOLING COILS.
Claims use since June 16, 1936.

Reg. No. 439,662. Registered July 13, 1948. CARTER CARBURETOR CORPORATION, St. Louis, Mo., a corporation of Delaware. Republished by registrant.



The shading represents the colors red and black.
FOR INTERNAL COMBUSTION ENGINES AND AUTOMOTIVE ACCESSORIES AND PARTS—NAMELY, CARBURETORS, FUEL FILTERS, FUEL PUMPS, AND TOOLS AND PARTS THEREOF.
Claims use since April 1936.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 240,686. Registered Apr. 3, 1928. FORT SMITH FURNITURE MANUFACTURERS' COMPANY, Fort Smith, Ark., a corporation of Arkansas. Republished by registrant.



The word "Lines" is disclaimed apart from the mark as shown.
FOR FURNITURE—NAMELY, BEDROOM SUITES, DRESSERS, CHIFFONIERS, CHIFFOROBES, CHIFFONETTES, DRESSEROBES, WOOD BEDS, DINING-ROOM SUITES, BUFFETS, CHINA CLOSETS, EXTENSION TABLES, LIBRARY TABLES, DAVENPORT TABLES, KITCHEN CABINETS, BREAKFAST SUITES, KITCHEN TABLES, CEDAR CHESTS, DAVENPORT SUITES, DAVENPORT BEDS, LIVING ROOM SUITES, UPHOLSTERED ROCKERS, WOOD-SEAT ROCKERS, DINERS, HIGH CHAIRS, STEEL BEDS, STEEL DAY BEDS, STEEL CRIBS, COTS, WIRE SPRINGS, LINK-FABRIC SPRINGS, STEEL FEATHERED SPRINGS, MATTRESSES, REED AND FIBER FURNITURE, DESKS, DRESSING TABLES, TABORETS, COSTUMERS, CONSOLE TABLES, CARD TABLES, SEWING TABLES, NOVELTY TABLES, SMOKING STANDS, AND TELEPHONE STANDS, TABLES, STANDS.
Claims use since August 1923.

Reg. No. 325,859. Registered July 9, 1935. CLIMAX MACHINERY COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

CLIMAX COCKTAIL SMOKER

The words "Cocktail and Smoker" are disclaimed apart from the mark as shown.
FOR SMOKING STANDS.
Claims use since June 4, 1934.

CLASS 33

GLASSWARE

Reg. No. 381,448. Registered Sept. 24, 1940. BROCKWAY GLASS COMPANY, INC., Brockway, Pa., a corporation of New York. Republished by registrant.

Brownie

FOR GLASS BEER BOTTLES.
Claims use since Jan. 1, 1939.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 214,345. Registered June 22, 1926. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio. Republished by The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio.

PATROL

FOR HOT-WATER HEATERS, WATER-STORAGE HEATERS, GAS HEATING SYSTEMS, HEATING COILS, BURNERS, VALVES, THERMOSTAT DEVICES, PIPE FITTINGS FOR USE IN CONNECTION THEREWITH, AND HEAT-INSULATING COVERS FOR BOILERS.
Claims use since Oct. 22, 1925.

Reg. No. 277,993. Registered Dec. 2, 1930. THE PATROL VALVE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

PATROL FLASH

FOR GAS-RANGE-BURNER IGNITION AND CONTROL DEVICES—NAMELY, TOP-BURNER LIGHTERS, OVEN-BURNER LIGHTERS, COMBINED TOP AND OVEN BURNER LIGHTERS, COMBINED LIGHTERS AND SAFETY FUEL-CUT-OFF DEVICES FOR THE BURNERS OF A GAS RANGE, AND IGNITION PILOT CONTROLLED THERMOSTATIC CUT-OFF VALVES FOR GAS RANGES.
Claims use since June 16, 1930.

Reg. No. 277,998. Registered Dec. 2, 1930. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

REX
4U

FOR GAS, OIL, AND VAPOR BURNING WATER HEATERS; HOT-WATER HEATING SYSTEMS, STORAGE AUTOMATIC WATER HEATERS, INSTANTANEOUS WATER HEATERS, INDIRECT WATER HEATERS, BATH WATER HEATERS, BARBERS' WATER HEATERS, CIRCULATING TANK WATER HEATERS, COIL WATER HEATERS, INTERNAL-FIRED WATER HEATERS, SIDE-ARM WATER HEATERS, RADIANT AND CONVECTION TYPE SPACE HEATERS FOR THE HEATING OF ROOMS AND BUILDINGS; CENTRAL HOUSE-HEATING UNITS — NAMELY, FURNACES, STEAM AND HOT-WATER BOILERS; INCINERATORS, GARAGE HEATERS, CLOTHES-DRYING HEATERS, CIRCULATING ELEMENTS AND COILS FOR BOILERS AND WATER HEATERS; GAS, OIL, AND VAPOR BURNERS; PILOT BURNERS, SAFETY PILOTS, RANGE TANKS, HOT-WATER TANKS, DOWN-DRAFT DIVERTERS.
Claims use since Mar. 12, 1930.

Reg. No. 281,679. Registered Mar. 24, 1931. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

CASCADE

FOR GAS, OIL, AND VAPOR BURNING DOMESTIC HOT-WATER-SUPPLY HEATERS AND THEIR STRUCTURAL PARTS.
Claims use since Mar. 12, 1930.

Reg. No. 290,407. Registered Jan. 5, 1932. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Chief

The lining and hatching representing the colors red, blue, yellow, brown and black are disclaimed apart from the mark as shown.
FOR GAS, OIL, AND VAPOR BURNING WATER HEATERS AND THEIR STRUCTURAL PARTS.
Claims use since August 1928.

Reg. No. 290,408. Registered Jan. 5, 1932. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

CHIEF

FOR GAS, OIL, AND VAPOR BURNING WATER HEATERS AND THEIR STRUCTURAL PARTS.
Claims use since April 1906.

Reg. No. 342,238. Registered Jan. 12, 1937. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

AIR-PAK

FOR AIR CONDITIONING APPARATUS—NAMELY, FURNACE FANS, BLOWER FILTER UNITS, FORCED AIR HEATING SYSTEMS, AND BLOWERS.
Claims use since May 6, 1935.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 97,840. Registered June 23, 1914. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Republished by registrant.

THOR

FOR BELTING.
Claims use since June 1, 1913.

Reg. No. 204,181. Registered Oct. 6, 1925. J. A. WEBB BELTING CO., INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

Spider Web Belting — J. A. WEBB BELTING CO., Inc. BUFFALO, N.Y.

The words "J. A. Webb Belting Company, Inc.," "Buffalo, N. Y.," and "Belting" are disclaimed apart from the mark as shown.
FOR MACHINE BELTING HAVING LEATHER AND CANVAS PLIES.
Claims use since Aug. 12, 1924.

CLASS 37

PAPER AND STATIONERY

Reg. No. 61,620. Registered Mar. 26, 1907. EAGLE PENCIL COMPANY, New York, N. Y. Republished by Eagle Pencil Company, New York, N. Y., a corporation of Delaware.

PERFECTION

FOR LEAD PENCILS.
Claims use since 1888.

Reg. No. 120,567. Registered Feb. 19, 1918. FOX RIVER PAPER CO., Appleton, Wis. Republished by Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin.

BATTLESHIP

FOR WRITING PAPER.
Claims use since Aug. 9, 1917.

Reg. No. 136,805. Registered Nov. 9, 1920. FOX RIVER PAPER COMPANY, Appleton, Wis. Republished by Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin.

COINAGE

FOR WRITING PAPER.
Claims use since January 1920.

Reg. No. 144,241. Registered Sept. 6, 1921. GROVETON PAPER COMPANY INC., Groveton, N. H. Republished by Groveton Papers Company, Groveton, N. H., a corporation of Maine.

Dello Bond

The words "Bond," "Quality," "Paper," and "Service" are disclaimed apart from the mark as shown.
FOR PAPER FOR WRITING, TYPEWRITING, PRINTING, AND LITHOGRAPHING.
Claims use since Feb. 16, 1914.

Reg. No. 148,651. Registered Nov. 22, 1921. FOX RIVER PAPER COMPANY, Appleton, Wis. Republished by Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin.

AGGRESSIVE

FOR WRITING PAPER.
Claims use since Mar. 14, 1921.

Reg. No. 154,027. Registered Apr. 4, 1922. FOX RIVER PAPER COMPANY, Appleton, Wis. Republished by Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin.

FRANCHISE

FOR WRITING PAPER.
Claims use since Apr. 12, 1913.

Reg. No. 160,488. Registered Oct. 24, 1922. FOX RIVER PAPER COMPANY, Appleton, Wis. Republished by Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin.

ALLEGIANCE

FOR WRITING PAPER.
Claims use since Apr. 19, 1922.

Reg. No. 163,704. Registered Jan. 23, 1923. THE ANCHOR PAPER COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

RAINBOW

FOR WRAPPING PAPER.
Claims use since January 1921.

Reg. No. 166,943. Registered Apr. 17, 1923. FOX RIVER PAPER COMPANY, Appleton, Wis. Republished by Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin.

TRANSIT

FOR WRITING PAPER.
Claims use since Sept. 9, 1922.

Reg. No. 174,232. Registered Oct. 9, 1923. FOX RIVER PAPER COMPANY, Appleton, Wis. Republished by Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin.

WALL STREET

FOR WRITING PAPER.
Claims use since Sept. 20, 1922.

Reg. No. 175,299. Registered Nov. 6, 1923. FOX RIVER PAPER COMPANY, Appleton, Wis. Republished by Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin.

CREDIT

FOR WRITING PAPER.
Claims use since Dec. 29, 1916.

Reg. No. 185,395. Registered June 17, 1924. TENSION ENVELOPE COMPANY, INC., New York and Brooklyn, N. Y. Republished by Tension Envelope Corporation, New York, N. Y., a corporation of New York.

DUOPOST

FOR MAILING ENVELOPES.
Claims use since about Nov. 15, 1923.

Reg. No. 200,318. Registered June 30, 1925. FOX RIVER PAPER COMPANY, Appleton, Wis. Republished by Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin.

NEW ERA BOND

FOR WRITING PAPER.
Claims use since Apr. 3, 1922.

Reg. No. 298,471. Registered Oct. 25, 1932. EAGLE PENCIL COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

CAPITOL

FOR LEAD PENCILS.
Claims use since 1890.

Reg. No. 321,583. Registered Feb. 5, 1935. FOX RIVER PAPER COMPANY, Appleton, Wis. Republished by Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin.

Raglite

FOR BOND PAPER.
Claims use since Oct. 18, 1934.

Reg. No. 334,811. Registered May 12, 1936. FOX RIVER PAPER COMPANY, Appleton, Wis. Republished by Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin.

JUBILEE

FOR BOND PAPER.
Claims use since Dec. 21, 1935.

Reg. No. 368,484. Registered June 20, 1939. FOX RIVER PAPER CORPORATION, Appleton, Wis., a corporation of Wisconsin. Republished by registrant.

Masterline

FOR BOND PAPERS, LEDGER PAPER, ONION SKIN PAPERS, FLAT WRITING PAPERS, MIMEOGRAPH PAPERS, AND BLUEPRINT PAPERS.
Claims use since Jan. 11, 1939.

Reg. No. 406,551. Registered Apr. 11, 1944. THE STANLEY MANUFACTURING COMPANY, Dayton, Ohio. Republished by Stanley Greetings, Inc., Dayton, Ohio, a corporation of Ohio.

Greetletts

FOR DECORATED LETTER PAPER FOR SOCIAL CORRESPONDENCE.
Claims use since Aug. 17, 1943.

Reg. No. 415,231. Registered July 31, 1945. THE MUTUAL PAPER CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

SKP

FOR PAPER—NAMELY, PATTERN PAPER.
Claims use since November 1936.

CLASS 38

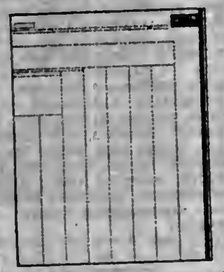
PRINTS AND PUBLICATIONS

Reg. No. 207,649. Registered Jan. 5, 1926. BENEVOLENT AND PROTECTIVE ORDER OF ELKS OF THE UNITED STATES OF AMERICA, New York, N. Y., a corporation of the District of Columbia. Republished by registrant.



FOR MONTHLY MAGAZINE.
Claims use since June 1, 1922.

Reg. No. 251,988. Registered Jan. 22, 1929. THE CHICAGO DAILY NEWS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The lining on the drawing indicates red color. No exclusive right is claimed in the words displayed nor to the diagrammatic representation of a newspaper apart from the mark as shown.
FOR NEWSPAPERS, INCLUDING FOREIGN AND DOMESTIC NEWS ITEMS, CARTOONS, COMIC STRIPS, ETC.
Claims use since July 17, 1926.

Reg. No. 258,834. Registered July 16, 1929. LOOSELEAF EDUCATION, INC., Columbus, Ohio. Republished by American Education Press, Inc., Columbus, Ohio, a corporation of Delaware.

CURRENT SCIENCE

FOR TITLE OF A WEEKLY PUBLICATION.
Claims use since Jan. 1, 1927.

Reg. No. 259,478. Registered July 30, 1929. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

THE GAS APPLIANCE SALESMAN

FOR PERIODICAL PUBLICATIONS.
Claims use since November 1926.

Reg. No. 276,187. Registered Oct. 7, 1930. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

THE REX WATER HEATER SALESMAN

FOR PERIODICAL PUBLICATIONS.
Claims use since November 1926.

Reg. No. 285,410. Registered July 28, 1931. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

POPEYE

FOR CARTOON STRIP.
Claims use since Jan. 30, 1931.

Reg. No. 309,150. Registered Jan. 2, 1934. CENTRAL PRESS ASSOCIATION, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

SCOTT'S SCRAPBOOK

FOR NEWSPAPER SECTION.
Claims use since Dec. 26, 1932.

Reg. No. 318,691. Registered Oct. 30, 1934. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

WIMPY

FOR CARTOONS.
Claims use since May 18, 1934.

Reg. No. 331,709. Registered Jan. 21, 1936. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

Little Miss Muffet

FOR NEWSPAPER CARTOONS.
Claims use since Sept. 2, 1935.

Reg. No. 331,738. Registered Jan. 21, 1936. CENTRAL PRESS ASSOCIATION, INC., Cleveland, Ohio. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

Central Press Association

FOR NEWSPAPER SECTIONS OR CARTOONS.
Claims use since 1911.

Reg. No. 409,574. Registered Oct. 10, 1944. THE HEARST CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

Mme. Qui Vive

FOR NEWSPAPER SECTION OR DEPARTMENT.
Claims use since Nov. 2, 1925.

Reg. No. 410,777. Registered Dec. 19, 1944. THE HEARST CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

INSIDE HOLLYWOOD

The term "Hollywood" is disclaimed apart from the mark as shown.
FOR NEWSPAPER SECTION OR DEPARTMENT.
Claims use since Dec. 12, 1943.

Reg. No. 411,827. Registered Feb. 5, 1945. THE HEARST CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

PRIVATE BREGER ABROAD

The terms "Private Breger" are disclaimed apart from the mark as shown.
FOR NEWSPAPER SECTION OR DEPARTMENT.
Claims use since Oct. 19, 1942.

Reg. No. 413,440. Registered Apr. 24, 1945. THE HEARST CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

TEENA

FOR NEWSPAPER CARTOON STRIP.
Claims use since July 1, 1944.

Reg. No. 440,454. Registered Sept. 7, 1948. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md., a corporation of Maryland. Republished by registrant.

THE DAVISON SHAKER

The word "Davison" is disclaimed apart from the mark as shown.
FOR PERIODICAL.
Claims use since Dec. 15, 1944.

CLASS 39

CLOTHING

Reg. No. 131,124. Registered May 4, 1920. WM. P. GOLDMAN & BROS. INC., New York, N. Y. Republished by Wm. P. Goldman & Bros. Inc. (1931), New York, N. Y., a corporation of New York.

"yyy"

FOR MEN'S AND YOUTHS' SUITS AND OVERCOATS.
Claims use since July 1, 1911.

Reg. No. 141,618. Registered Apr. 26, 1921. MORRIS & COMPANY, INCORPORATED, Baltimore, Md. Republished by Straus, Royer & Straus, Inc., Baltimore, Md., a corporation of Maryland.

TOM-BOY

FOR LADIES', MISSES', AND CHILDREN'S DRESSES.
Claims use since January 1919.

Reg. No. 151,736. Registered Feb. 14, 1922. A. DE PINNA CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

DE PINNA

FOR WEARING APPAREL FOR CHILDREN AND INFANTS OF BOTH SEXES OF ALL DESCRIPTIONS AND MATERIALS—NAMELY, SUITS, DRESSES, ONE AND TWO PIECE UNDERWEAR OF KNITTED AND TEXTILE FABRICS, APRONS, BLOOMERS, ATHLETIC SUITS, COATS, CLOAKS, HATS, CAPS; SHOES, BOOTS, OVERSHOES, RUBBERS, BOOTEES, AND SLIPPERS, OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF; PAJAMAS, NIGHTGOWNS, BATH ROBES, COLLARS, NECKTIES OF KNITTED AND TEXTILE FABRICS, SLEEPING GOWNS; GLOVES AND MITTENS OF LEATHER AND FABRIC, AND COMBINATIONS THEREOF; HOSIERY, HOSE SUPPORTERS, OVERCOATS, RAINCOATS, CAPES, JACKETS, SWEATERS, SCARFS, MUFFS, FURS, MUFFLERS, BLOUSES, WAISTS, DRESS AND NEGLIGEE SHIRTS FOR BOYS AND YOUNG MEN, SHIRT WAISTS, REEFERS, PETTICOATS, BELTS, ONE AND TWO PIECE BATHING SUITS, BATHING CAPS, SKIRTS, PLAY SUITS, PLAY DRESSES, SPORTING SUITS, SHAWLS, AND LEGGINGS, OF LEATHER, FABRIC AND COMBINATIONS THEREOF.
Claims use since 1890.

Reg. No. 157,225. Registered July 25, 1922. TRI-PLEX SHOE COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant, present address Boston, Mass.

Tri-plex Shoes
TRIPLE WEAR

The words "Shoes" and "Triple Wear" are disclaimed apart from the mark as shown.
FOR BOOTS AND SHOES MADE OF LEATHER AND FABRIC.
Claims use since Feb. 25, 1920.

Reg. No. 197,024. Registered Apr. 7, 1925. GOTHAM SILK HOSIERY COMPANY, INC., New York, N. Y. Republished by Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware.

GOTHAM

FOR HOSIERY.
Claims use since 1911.

Reg. No. 246,638. Registered Sept. 11, 1928. JACOBS BROTHERS, INCORPORATED, Baltimore, Md., a corporation of Maryland. Republished by registrant.

EDITH CAVELL

FOR NURSES' UNIFORMS OF ALL DESCRIPTIONS AND WOMEN'S, CHILDREN'S, AND MISSES' DRESSES AND APRONS.
Claims use since Mar. 23, 1928.

Reg. No. 253,849. Registered Mar. 5, 1929. REGAL SHOE COMPANY, Whitman and Boston, Mass., a corporation of Massachusetts. Republished by registrant, present address Whitman, Mass.



The word "Fitted" is disclaimed apart from the mark as shown.
FOR BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER.
Claims use since Nov. 1, 1926.

Reg. No. 287,181. Registered Sept. 15, 1931. GIBBERMAN BROS. & CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

SincerityClothes

The word "Clothes" is disclaimed apart from the mark as shown.
FOR MEN'S AND BOYS' COATS, VESTS, TROUSERS, AND OVERCOATS.
Claims use since October 1905.

Reg. No. 287,271. Registered Sept. 15, 1931. GOTHAM SILK HOSIERY COMPANY, INC., New York, N. Y. Republished by Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware.

ADJUSTABLES

FOR HOSIERY.
Claims use since Mar. 9, 1931.

Reg. No. 300,541. Registered Jan. 24, 1933. STRAUS, ROYER & STRAUS, INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

THE AMERICAN GOLFER

FOR WOMENS', MISSES', AND CHILDREN'S DRESSES, SHIRTS, SHORTS, BLOUSES, SKIRTS, SLACKS, LONG PANTS, MIDDIES, PLAYSUITS, AND SUITS.
Claims use since July 29, 1932.

Reg. No. 306,313. Registered Sept. 12, 1933. ALBERT CARSON, doing business as Noblis Mills, New York, N. Y. Republished by Noblis Corporation, New York, N. Y., a corporation of New York.

Noblis

FOR HOSIERY AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN.
Claims use since Feb. 3, 1933.

Reg. No. 308,905. Registered Dec. 26, 1933. ALBERT CARSON, doing business as Idol Knitting Co., New York, N. Y. Republished by Idol Inc., New York, N. Y., a corporation of New York.

idol

FOR HOSIERY AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND NECKTIES FOR MEN.
Claims use since May 24, 1933.

Reg. No. 334,535. Registered May 5, 1936. WM. P. GOLDMAN & BROS., INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR MEN'S AND WOMEN'S COATS, SUITS, AND DRESSES.
Claims use since Nov. 1, 1931.

Reg. No. 340,782. Registered Nov. 24, 1936. ARKWRIGHT MERCHANDISING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

Budget

FOR WOMEN'S CORSETS, BRASSIÈRES, UNDERDRAWERS, SLIPS, FOUNDATION GARMENTS, BLOOMERS, NIGHTGOWNS, AND MEN'S AND WOMEN'S UNDERWEAR, HATS, AND PAJAMAS.
Claims use since Mar. 23, 1936.

Reg. No. 363,408. Registered Dec. 27, 1938. WM. P. GOLDMAN & BROS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Barclay Lounge
"Original"

The words "Barclay Lounge" and "Original" are disclaimed apart from the mark as shown.
FOR MEN'S SUITS AND COATS.
Claims use since Jnne 1, 1933.

Reg. No. 370,946. Registered Sept. 12, 1939. TOURAINE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

"CALIFORNIA" BARNYARD FASHIONS

The words "California" and "Fashions" are disclaimed apart from the mark as shown.
FOR KNITTED SUITS, SWEATERS, JACKETS, SKIRTS, PLAY SUITS, SHORTS, SLACKS, AND SPORT SHIRTS FOR LADIES, MISSES, AND CHILDREN.
Claims use since December 1938.

Reg. No. 371,116. Registered Sept. 19, 1939. TOURAINE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Teen Guild

FOR GIRLS' SPORTSWEAR—NAMELY, SKIRTS, JACKETS, SWEATERS, SUITS, COATS, DRESSES, SHORTS, SLACKS, PLAY SUITS, KNITTED AND WOVEN SHORTS AND BLOUSES, CULOTTES, BEACH COATS, AND BEACH CAPES, BATHING SUITS, SCARF AND HAT SETS; WOVEN AND KNITTED SKATING JACKETS, SKIRTS, AND HATS; JODHPURS, RIDING JACKETS; SKI PANTS, JACKET, AND HATS.
Claims use since Oct. 10, 1938.

Reg. No. 373,347. Registered Dec. 5, 1939. TOURAINE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

DOUBLE DUTCH

The word "Dutch" is disclaimed apart from the mark as shown.
FOR KNITTED SUITS, SWEATERS, JACKETS, SKIRTS, PLAY SUITS, SHORTS, SLACKS, AND SPORT SHIRTS FOR LADIES, MISSES, AND CHILDREN.
Claims use since May 1939.

Reg. No. 375,319. Registered Feb. 13, 1940. PEERLESS UNDERGARMENT CO., New York, N. Y. Republished by Peerless Undergarment Co., Inc., New York, N. Y., a corporation of New York.

Lady Peer

FOR LADIES' UNDERWEAR—NAMELY, NIGHTGOWNS, SLIPS, PANTIES, CHEMISES, AND PAJAMAS, OF COTTON, RAYON, AND SILK MATERIAL.
Claims use since June 17, 1939.

Reg. No. 378,738. Registered June 18, 1940. STRAUS, ROYER & STRAUS, INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

5 Point

FOR MISSES' AND WOMEN'S DRESSES, SLACKS, OUTER SHORTS, SHIRTS, SKIRTS, BADMINTON AND TENNIS SHORTSUITS AND DRESSES, JACKETS, PLAYSUITS, AND SLACKSUITS.
Claims use since October 27, 1939.

Reg. No. 381,994. Registered Oct. 15, 1940. PEERLESS UNDERGARMENT CO., New York, N. Y. Republished by Peerless Undergarment Co., Inc., New York, N. Y., a corporation of New York.

PRIDE OF PUERTO RICO

The name "Puerto Rico" is disclaimed apart from the mark as shown.
FOR LADIES' UNDERWEAR, NIGHTGOWNS, SLIPS, PANTIES, CHEMISES, AND PAJAMAS OF COTTON, RAYON, AND SILK MATERIAL.
Claims use since Feb. 26, 1940.

Reg. No. 383,586. Registered Dec. 17, 1940. ADOLPH ARONS & SONS, Jersey City, N. J. Republished by Adolph Arons & Sons, Inc., Jersey City, N. J., a corporation of New Jersey.

MAN-TEX Clothes

The words "Man" and "Clothes" are disclaimed apart from the mark as shown.
FOR MEN'S SUITS, OVERCOATS, TOPCOATS, TUXEDOS, DRESS-SUITS, SPORT COATS, SPORT SLACKS, SPORT SHIRTS, SPORT SHIRT AND SLACK COMBINATIONS OR ENSEMBLES.
Claims use since Apr. 26, 1940.

Reg. No. 383,601. Registered Dec. 17, 1940. STRAUS, ROYER & STRAUS, INC., Baltimore, Md., a corporation of Meryland. Republished by registrant.

Sailing Blues

The word "Blues" is disclaimed apart from the mark as shown.
FOR SLACKS, OVERALLS, PLAYSUITS, OUTER SHORTS, JACKETS, DRESSES, SKIRTS, BLOUSES, AND SHIRTS, FOR WOMEN AND MISSES.
Claims use since Oct. 1, 1939.

Reg. No. 388,095. Registered June 10, 1941. GOTHAM SILK HOSIERY COMPANY, INC., New York, N. Y. Republished by Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware.

TABARIN

FOR HOSIERY.
Claims use since Jan. 27, 1941.

Reg. No. 389,886. Registered Aug. 26, 1941. ORBITEX, INC., New York, N. Y., a corporation of New York. Republished by registrant.

ORBITEX

FOR HOSIERY AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND NECKTIES FOR MEN.
Claims use since Mar. 6, 1933.

Reg. No. 407,981. Registered July 11, 1944. A. SAGNER'S SON, Frederick, Md., a firm. Republished by registrant.

NORTHCOOL

FOR MEN'S AND WOMEN'S COATS AND SUITS, MEN'S TROUSERS, DRESS AND WORK SHIRTS, AND NECKTIES.
Claims use since Nov. 8, 1943.

Reg. No. 430,642. Registered June 17, 1947. WM. P. GOLDMAN & BROS., INC., New York, N. Y., a corporation of New York. Republished by registrant.

Glen Guard

FOR MEN'S SUITS, SPORT COATS, SLACKS, TOPCOATS, OVERCOATS, AND LEISURE JACKETS.
Claims use since March 1936.

Reg. No. 436,532. Registered Feb. 10, 1948. THE BARBISON CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

ACCOLADE

FOR LADIES' SLIPS.
Claims use since Feb. 25, 1947.

Reg. No. 436,538. Registered Feb. 10, 1948. THE BARBISON CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

EMBRACE

FOR LADIES' SLIPS.
Claims use since Feb. 25, 1947.

Reg. No. 440,654. Registered Sept. 14, 1948. SOCIETY BRAND CLOTHES, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Society Brand

The word "Brand" is disclaimed apart from the mark as shown.
FOR CLOTHING—NAMELY, COATS, VESTS, TROUSERS, KNICKERBOCKERS, AND OVERCOATS FOR MEN; OVERCOATS, KNICKERBOCKERS, AND JACKETS FOR WOMEN; COATS, VESTS, PANTS, KNICKERBOCKERS, AND OVERCOATS FOR YOUTHS AND CHILDREN.
Claims use since the fore part of 1906.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 440,226. Registered Aug. 17, 1948. I. B. KLEINERT RUBBER COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SHIRLASTIC

FOR NARROW ELASTIC FABRIC.
Claims use since Mar. 12, 1920.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 139,480. Registered Feb. 24, 1920. THE KENT MANUFACTURING COMPANY, Clifton Heights, Pa., a corporation of Pennsylvania. Republished by registrant.

Rockbourne

FOR SERGES, FLANNELS, MELTONS, VELOURS, CASSIMERES, KERSEYS, CHEVIOTS, TWEEDS, BROADCLOTH, AND BLANKETS.
Claims use since Jan. 1, 1908.

Reg. No. 247,316. Registered Sept. 25, 1928. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

ASTRILD

FOR COTTON DUCK.
Claims use since June 16, 1927.

Reg. No. 274,898. Registered Sept. 9, 1930. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Republished by Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey.

CHONGA

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 16, 1930.

Reg. No. 296,655. Registered Aug. 16, 1932. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Republished by Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey.

Diagra

FOR WOOLEN PIECE GOODS.
Claims use since May 1, 1931.

Reg. No. 312,441. Registered Apr. 24, 1934. THE KENT MANUFACTURING COMPANY, Clifton Heights, Pa., a corporation of Pennsylvania. Republished by registrant.

Runnymede

FOR WOOLEN PIECE GOODS.
Claims use since 1922.

Reg. No. 353,352. Registered Jan. 4, 1938. FORSTMANN WOOLEN CO., Passaic, N. J. Republished by Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey.

Granjteen

FOR WOOLEN PIECE GOODS.
Claims use since May 1, 1937.

Reg. No. 375,929. Registered Mar. 5, 1940. FORSTMANN WOOLEN COMPANY, Passaic, N. J., a corporation of New Jersey. Republished by registrant.

Sandrella

FOR WOOLEN PIECE GOODS.
Claims use since Oct. 15, 1939.

Reg. No. 377,636. Registered May 7, 1940. HERRMANN & JACOBS, INC., New York, N. Y. Republished by Herrmann & Jacobs Corp., New York, N. Y., a corporation of New York.

MELOTEX

FOR LINEN TABLECLOTHS, LINEN NAPKINS, COTTON TABLECLOTHS, COTTON NAPKINS, COTTON AND RAYON TABLECLOTHS, COTTON AND RAYON NAPKINS, LINEN TOWELS, COTTON TOWELS, LINEN AND COTTON SHEETS AND PILLOW CASES, BEDSPREADS, COTTON FACE CLOTHS, BATH MATS, BATH TOWELS.
Claims use since Dec. 21, 1939.

Reg. No. 381,736. Registered Oct. 1, 1940. FORSTMANN WOOLEN COMPANY, Passaic, N. J., a corporation of New Jersey. Republished by registrant.

Pomola

FOR WOOLEN PIECE GOODS.
Claims use since May 20, 1940.

Reg. No. 385,187. Registered Feb. 18, 1941. FORSTMANN WOOLEN COMPANY, Passaic, N. J., a corporation of New Jersey. Republished by registrant.

Sandretta

FOR WOOLEN PIECE GOODS.
Claims use since Sept. 15, 1940.

Reg. No. 393,780. Registered Mar. 3, 1942. FORSTMANN WOOLEN COMPANY, Passaic, N. J., a corporation of New Jersey. Republished by registrant.

Milateen

FOR WOOLEN PIECE GOODS.
Claims use since Sept. 15, 1941.

CLASS 43

THREAD AND YARN

Reg. No. 248,862. Registered Oct. 30, 1928. Z. B. YARN MILLS, Union City, N. J. Republished by Z. B. Yarn Mills, Inc., West New York, N. J., a corporation of New Jersey.



No claim is made to representation of the goods apart from the mark as shown.
FOR COTTON, RAYON, WOOL, WORSTED, AND TINSEL YARNS AND THREADS.
Claims use since on or about June 5, 1928.

Reg. No. 385,813. Registered Mar. 18, 1941. HARRY C. WOLFENDEN, doing business as R. Wolfenden & Sons, Attleboro, Mass. Republished by R. Wolfenden & Sons, Attleboro, Mass., a firm.



The word "Dye" is disclaimed apart from the mark as shown.
FOR YARN.
Claims use since July 1, 1940.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 240,135. Registered Mar. 20, 1928. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo., a corporation of New York. Republished by registrant.



The words "Deodorized Napkin" are disclaimed apart from the mark as shown.
FOR SANITARY NAPKINS.
Claims use since about Mar. 1, 1927.

Reg. No. 387,080. Registered Apr. 29, 1941. ORTHO PRODUCTS, INC., Linden, N. J. Republished by Ortho Pharmaceutical Corporation, Raritan, N. J., a corporation of New Jersey.

ortho

FOR RUBBER VAGINAL DIAPHRAGMS.
Claims use since Nov. 28, 1940.

Reg. No. 394,998. Registered May 5, 1942. ORTHO PRODUCTS, INC., Linden, N. J. Republished by Ortho Pharmaceutical Corporation, Raritan, N. J., a corporation of New Jersey.

ortho

FOR APPLICATORS.
Claims use since Dec. 10, 1941.

Reg. No. 434,824. Registered Dec. 9, 1947. ORTHO PHARMACEUTICAL CORPORATION, Linden, N. J., a corporation of New Jersey. Republished by registrant, present address Raritan, N. J.



FOR RUBBER VAGINAL DIAPHRAGMS AND APPLICATORS.
Claims use since Mar. 15, 1945.

Reg. No. 440,733. Registered Sept. 21, 1948. SCHNEFEL BROS. CORPORATION, Newark, N. J., a corporation of New Jersey. Republished by registrant.

naylon

FOR MANICURE IMPLEMENTS—NAMELY, NAIL NIPPERS, CUTICLE NIPPERS, TWEEZERS, NAIL FILES, NAIL SCISSORS, CUTICLE SCISSORS, CUTICLE PUSHERS, NAIL CLIPS AND ORANGE STICKS.
Claims use since June 5, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 182,593. Registered Apr. 15, 1924. FRANK L. GRASSINI, doing business as Globe Beverage Co., Chicago, Ill. Republished by Peter Salotti, doing business as Globe Beverage Co., Chicago, Ill.



The word "Beverage" and the representation of a bottle are disclaimed apart from the mark as shown.
FOR NON-ALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK.
Claims use since Feb. 1, 1923.

Reg. No. 230,500. Registered Mar. 6, 1928. THE BIG-TIME CORPORATION, Miami, Fla. Republished by Super-Fine Products, Inc., Atlanta, Ga., a corporation of Georgia.

Big-Time

FOR NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since July 28, 1927.

Reg. No. 371,138. Registered Sept. 19, 1939. THE OROGOLD CO., Dallas, Tex. Republished by Edward Lamar Dial, Dallas, Tex.

OROGOLD

FOR NON-ALCOHOLIC, MALTLESS SYRUP FOR BEVERAGE PURPOSES—NAMELY, GRAPE, ORANGE, LEMON, LIME, STRAWBERRY, PEACH, AND CHOCOLATE.
Claims use since June 10, 1938.

Reg. No. 381,282. Registered Sept. 17, 1940. LUCKY CLUB COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant.

Lucky Club

FOR NON-ALCOHOLIC MALTLESS CARBONATED BEVERAGES.
Claims use since Nov. 27, 1936.

Reg. No. 385,849. Registered Mar. 18, 1941. E. C. ORTEGA CO., Los Angeles, Calif. Republished by Coastal Valley Canning Co., Oxnard, Calif., a corporation of California.

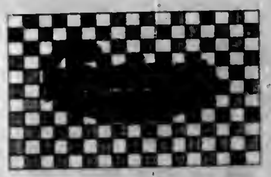


FOR NON-ALCOHOLIC, MALTLESS TOMATO AND GREEN CHILI JUICE BEVERAGE SOLD AS A SOFT DRINK.
Claims use since Oct. 3, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 43,248. Registered Aug. 30, 1904. SHOTWELL MFG. CO., Chicago, Ill. Republished by The Cracker Jack Co., Chicago, Ill., a corporation of Illinois.



FOR CANDIES OF VARIOUS SORTS, INCLUDING ESPECIALLY POP-CORN CONFECTIONERY.
Claims use since Apr. 2, 1903.

Reg. No. 48,005. Registered Dec. 5, 1905. FRANK H. FLEER AND COMPANY, Philadelphia, Pa. Republished by American Chicle Company, Long Island City, N. Y., a corporation of New Jersey.

Chiclets

FOR CHEWING GUM.
Claims use since Oct. 1, 1899.

Reg. No. 54,463. Registered June 26, 1906. BON-BON COMPANY, New York, N. Y. Republished by American Chicle Company, Long Island City, N. Y., a corporation of New Jersey.

DENTYNE

FOR CHEWING GUM.
Claims use since Jan. 1, 1901.

Reg. No. 81,647. Registered Apr. 25, 1911. UPLAND CITRUS ASS'N, Upland, Calif. Republished by Upland Citrus Association (1923), Upland, Calif., a corporation of California.

PINNACLE

FOR ORANGES AND GRAPE FRUIT.
Claims use since Aug. 23, 1910.

Reg. No. 83,297. Registered Aug. 29, 1911. UPLAND CITRUS ASS'N, Upland, Calif. Republished by Upland Citrus Association (1923), Upland, Calif., a corporation of California.

Majesty



FOR FRESH ORANGES AND GRAPE FRUIT.
Claims use since Aug. 23, 1910.

Reg. No. 84,518. Registered Dec. 19, 1911. PEERLESS OYSTER CO., Baltimore, Md. Republished by C. B. Torsch, surviving partner of Peerless Oyster Co., doing business as Peerless Oyster Co., Baltimore, Md.

peerless

FOR POULTRY FOOD.
Claims use since about October 1894.

Reg. No. 85,927. Registered Mar. 26, 1912. UPLAND CITRUS ASS'N, Upland, Calif. Republished by Upland Citrus Association (1923), Upland, Calif., a corporation of California.

APEX

FOR ORANGES.
Claims use since Aug. 19, 1911.

Reg. No. 109,938. Registered Apr. 25, 1916. B. HELLER & CO., Chicago, Ill. Republished by B. Heller & Company, Chicago, Ill., a corporation of Illinois.



FOR SEASONINGS FOR MEAT, FLAVORS FOR FOOD, FLAVORING EXTRACTS FOR FOOD, AND COCOA.
Claims use since December 1898.

Reg. No. 113,685. Registered Oct. 31, 1916. AMERICAN CHICLE COMPANY, Jersey City, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant, present address Long Island City, N. Y.

ADAMS'

FOR CHEWING GUM.
Claims use since on or about February 1871.

Reg. No. 117,501. Registered July 17, 1917. AMERICAN CHICLE COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant, present address Long Island City, N. Y.

YUCATAN

FOR CHEWING GUM.
Claims use since about 1887.

Reg. No. 126,671. Registered Sept. 30, 1919. EAST WHITTIER CITRUS ASSOCIATION, East Whittier, Calif., a corporation of California. Republished by registrant, present address Whittier, Calif.

Butter-cup

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND LEMONS.
Claims use since Jan. 1, 1918.

Reg. No. 126,672. Registered Sept. 30, 1919. EAST WHITTIER CITRUS ASSOCIATION, East Whittier, Calif., a corporation of California. Republished by registrant, present address Whittier, Calif.

Pic-nic

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since Jan. 1, 1918.

Reg. No. 127,604. Registered Nov. 18, 1919. EAST WHITTIER CITRUS ASSOCIATION, East Whittier, Calif., a corporation of California. Republished by registrant, present address Whittier, Calif.

Tom Sawyer

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since Jan. 1, 1918.

Reg. No. 128,229. Registered Dec. 30, 1919. EAST WHITTIER CITRUS ASSOCIATION, East Whittier, Calif., a corporation of California. Republished by registrant, present address Whittier, Calif.

PAREX

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS, ORANGES.
Claims use since Jan. 1, 1918.

Reg. No. 134,375. Registered Aug. 31, 1920. B. HELLER AND COMPANY, Chicago, Ill. Republished by B. Heller & Company, Chicago, Ill., a corporation of Illinois.

MELLO-FREEZE

FOR SOLUBLE AND POWDERED STABILIZING AGENT TO BE EMPLOYED IN THE MANUFACTURE OF ICE CREAM.
Claims use since Oct. 31, 1919.

Reg. No. 154,783. Registered May 9, 1922. COVINA ORANGE GROWERS ASSOCIATION, Covina, Calif. Republished by Covina Orange Growers Association (1936), Covina, Calif., a corporation of California.

PREFERRED



FOR FRESH CITROUS FRUIT—NAMELY, ORANGES.
Claims use since Nov. 20, 1916.

Reg. No. 171,334. Registered Aug. 7, 1923. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MALABOZA

FOR FOOD FLAVORINGS AND SPICES.
Claims use since June 1, 1922.

Reg. No. 182,819. Registered Apr. 15, 1924. B. HELLER & COMPANY, Chicago, Ill. a corporation of Illinois. Republished by registrant.



The words "Manufacturing," "Chemists," "Chicago," and the phrases "U. S. A." and "Trade Mark Registered" are disclaimed apart from the mark as shown.

FOR INSECTICIDES, MEATCURING PREPARATIONS AND COMPOUNDS, FOOD COLORS, BAKING POWDER, CHEMICAL PREPARATIONS FOR WASHING AND CLEANING PURPOSES, CHEMICAL PREPARATIONS FOR CLEANING MARKET AND BUTCHERS' UTENSILS AND TOOLS, CHEMICAL PREPARATIONS FOR CLEANING AND SOFTENING HAIR AND BRISTLES ON HOGS, DISINFECTANTS, AND CHEMICAL PREPARATIONS FOR CURING, PRESERVING, AND COLORING MEATS AND MEAT PRODUCTS.
Claims use since 1900.

Reg. No. 184,321. Registered May 20, 1924. SUPERBA PACKING CO., San Francisco, Calif. Republished by Superba Packing Co. Ltd., San Francisco, Calif., a corporation of California.

SUPERBA



FOR CANNED RAVIOLIS, CANNED SPAGHETTI, AND CANNED MUSHROOM GRAVY.
Claims use since Sept. 1, 1919.

Reg. No. 188,263. Registered Aug. 19, 1924. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PIE-RITE

FOR DRY POWDER PREPARATION USED IN MAKING PIES, ABSORBING AND HOLDING THE FRUIT JUICES AND FLAVOR THEREOF AND PRODUCING SMOOTHNESS OF BODY IN SAID PIES.
Claims use since December 1923.

Reg. No. 188,319. Registered Aug. 26, 1924. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FRAPINE

FOR PREPARATION USED TO INCREASE THE VISCOSITY OR THICKNESS AND TO IMPROVE MALTED MILK AND OTHER FOOD BEVERAGES.
Claims use since 1909.

Reg. No. 193,436. Registered Dec. 30, 1924. AMERICAN CHICLE COMPANY, Long Island City, N. Y., a corporation of New Jersey. Republished by registrant.

TUTTI-FRUTTI

FOR CHEWING GUM.
Claims use since October 1882.

Reg. No. 199,299. Registered June 9, 1925. FILLMORE CITRUS FACIT ASSOCIATION, Fillmore, Calif. Republished by Fillmore Lemon Association, Fillmore, Calif., a corporation of California.

SESPE

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since Jan. 1, 1914.

Reg. No. 200,930. Registered July 14, 1925. PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif., a corporation of California. Republished by registrant.

COLOMBO

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since 1905.

Reg. No. 201,347. Registered July 21, 1925. MOUNTAIN VIEW FRUIT ASSOCIATION, Ontario, Calif., a corporation of California. Republished by registrant, present address Upland, Calif.

Pronghorn

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND LEMONS.
Claims use since July 1901.

Reg. No. 202,173. Registered Aug. 18, 1925. OLD MONK OLIVE OIL COMPANY, Chicago, Ill. Republished by Old Monk Company, Chicago, Ill., a corporation of Illinois.

MEDALION

FOR CANNED AND BOTTLED OLIVES AND CHERRIES.
Claims use since May 20, 1921.

Reg. No. 202,453. Registered Aug. 25, 1925. UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif., a corporation of California. Republished by registrant.

SEA GULL

FOR FRESH CITRUS FRUIT—NAMELY, LEMONS.
Claims use since January 1922.

Reg. No. 202,694. Registered Sept. 1, 1925. UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif., a corporation of California. Republished by registrant.

RUFN-REDY

FOR FRESH CITRUS FRUIT—NAMELY, LEMONS.
Claims use since 1922.

Reg. No. 202,895. Registered Sept. 1, 1925. PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif., a corporation of California. Republished by registrant.

Carmencita

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since 1905.

Reg. No. 204,057. Registered Oct. 6, 1925. STANDARD PACKING COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

Poinsettia

FOR HAMS AND BACON.
Claims use since Apr. 1, 1919.

Reg. No. 205,757. Registered Nov. 17, 1925. GLENDORA CITRUS ASSOCIATION, Glendora, Calif., a corporation of California. Republished by registrant.

MONOPOLE

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since 1912.

Reg. No. 205,761. Registered Nov. 17, 1925. CENTRAL LEMON ASSOCIATION, Villa Park, Calif., a corporation of California. Republished by registrant, present address Orange, Calif.

APPEAL

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1914.

Reg. No. 205,767. Registered Nov. 17, 1925. COVINA CITRUS ASSOCIATION, Covina, Calif., a corporation of California. Republished by registrant.

RED C

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since Jan. 1, 1915.

Reg. No. 205,961. Registered Nov. 17, 1925. CENTRAL LEMON ASSOCIATION, Villa Park, Calif., a corporation of California. Republished by registrant, present address Orange, Calif.

LUSTRE

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1915.

Reg. No. 207,982. Registered Jan. 12, 1926. UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif., a corporation of California. Republished by registrant.

CUB

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since 1922.

Reg. No. 209,791. Registered Mar. 2, 1926. MERRILL CANDY CO., Merrill, Wis., a corporation of Wisconsin. Republished by registrant.



FOR CANDY.
Claims use since Jan. 1, 1925.

Reg. No. 209,836. Registered Mar. 2, 1926. PIRU CITRUS ASSOCIATION, Piru, Calif., a corporation of California. Republished by registrant.

BELLE of PIRU

The geographical term "Piru" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since Apr. 15, 1925.

Reg. No. 210,976. Registered Mar. 30, 1926. PIRU CITRUS ASSOCIATION, Piru, Calif., a corporation of California. Republished by registrant.

Home of Ramona

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since February 1915.

Reg. No. 211,127. Registered Apr. 6, 1926. PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif., a corporation of California. Republished by registrant.

PORTOLA

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since 1911.

Reg. No. 214,646. Registered June 29, 1926. PIRU CITRUS ASSOCIATION, Piru, Calif., a corporation of California. Republished by registrant.

TRY-SUM

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since February 1915.

Reg. No. 214,781. Registered July 6, 1926. PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif., a corporation of California. Republished by registrant.

Bonded

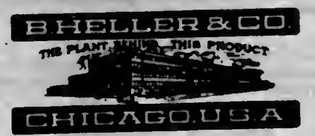
FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since 1921.

Reg. No. 226,547. Registered Apr. 12, 1927. PIRU CITRUS ASSOCIATION, Piru, Calif., a corporation of California. Republished by registrant.

MANSION of PIRU

The geographical term "Piru" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since Jan. 1, 1925.

Reg. No. 229,125. Registered June 21, 1927. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The word "Chicago" and the phrase "U. S. A." are disclaimed apart from the mark as shown.
FOR INSECTICIDES, MEATCURING PREPARATIONS AND COMPOUNDS, FOOD COLORS, BAKING POWDER, CHEMICAL PREPARATIONS FOR WASHING AND CLEANING PURPOSES, CHEMICAL PREPARATIONS FOR CLEANING WASTE PIPES AND DRAINS AND SINKS, CHEMICAL PREPARATIONS FOR CLEANING TOILET BOWLS OR PRIVIES; CHEMICAL PREPARATIONS FOR CLEANING WINDOWS, GLASS, AND SKYLIGHTS; CHEMICAL PREPARATIONS FOR CLEANING MARKET AND BUTCHERS' UTENSILS AND TOOLS, CHEMICAL PREPARATIONS FOR CLEANING AND SOFTENING HAIR AND BRISTLES ON HOGS, CHEMICAL PREPARATIONS FOR CLEANING ENAMEL AND PORCELAIN WARE, CHEMICAL PREPARATIONS FOR TANNING ANIMAL SKINS, DISINFECTANTS AND CHEMICAL PREPARATIONS FOR CURING, PRESERVING, AND COLORING MEATS AND MEAT PRODUCTS.
Claims use since June 15, 1926.

Reg. No. 230,072. Registered July 12, 1927. LA VERNE ORANGE ASSOCIATION, La Verne, Calif., a corporation of California. Republished by registrant.

La Verne Beauties

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since 1910.

Reg. No. 233,801. Registered Oct. 11, 1927. TEAGUE-MCKEVETT COMPANY, Santa Paula, Calif. Republished by Teague-McKevett Association, Santa Paula, Calif., a corporation of California.

PITCHER

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since Jan. 1, 1914.

Reg. No. 238,985. Registered Feb. 21, 1928. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The words "Zanzibar Brand" are disclaimed apart from the mark as shown.
FOR FLAVORING COMPOUND FOR USE IN FLAVORING CAKES, ICINGS, PASTRIES, ICE CREAM, PUDDINGS, CANDIES, AND DESSERTS.
Claims use since 1901.

Reg. No. 243,064. Registered June 12, 1928. TACOMA GRAIN COMPANY, Tacoma, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.

DAMON



FOR WHEAT FLOUR.
Claims use since 1919.

Reg. No. 243,969. Registered July 3, 1928. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



The word "Chicago" and the phrase "U. S. A." are disclaimed apart from the mark as shown.
FOR DESSERT POWDERS, ICE CREAM POWDERS, COCOA, SPICES, PIE-TOPPING PREPARATIONS, FOOD-ICING PREPARATIONS, SEASONINGS FOR SAUSAGES AND MEAT PRODUCTS, SAUSAGE FLOUR, FOOD FLAVORING EXTRACTS.
Claims use since June 15, 1926.

Reg. No. 265,408. Registered Dec. 24, 1929. S. GUMPERT Co., INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Ozone Pack, N. Y.

CHIFFON

FOR PIES.
Claims use since Jan. 4, 1929.

Reg. No. 266,746. Registered Feb. 4, 1930. THE PFAFFMAN EGG NOODLE COMPANY, Cleveland, Ohio. Republished by The Pfaffman Company, Cleveland, Ohio, a corporation of Ohio.

Family

FOR MACARONI, SPAGHETTI, AND EGG NOODLES.
Claims use since 1904.

Reg. No. 269,658. Registered Apr. 15, 1930. SUPERBA PACKING CO., San Francisco, Calif. Republished by Superba Packing Co. Ltd., San Francisco, Calif., a corporation of California.

Calstate

FOR ITALIAN STYLE RAVIOLI, ITALIAN STYLE MUSHROOM SAUCE.
Claims use since Oct. 15, 1929.

Reg. No. 293,541. Registered Apr. 26, 1932. THE PFAFFMAN EGG NOODLE CO., Cleveland, Ohio. Republished by The Pfaffman Company, Cleveland, Ohio, a corporation of Ohio.

SOYMAC

FOR MACARONI.
Claims use since January 1931.

Reg. No. 303,964. Registered June 13, 1933. OLD MONK OLIVE OIL CO., Chicago, Ill. Republished by Old Monk Company, Chicago, Ill., a corporation of Illinois.



Old Monk

FOR MAYONNAISE, FRENCH DRESSING, THOUSAND ISLAND DRESSING, CHERRIES, ARTIFICIALLY COLORED AND FLAVORED, TARTARE SAUCE AND GLACÉ CANDIED CHERRIES.
Claims use since 1914.

Reg. No. 305,282. Registered Aug. 8, 1933. SAUL H. PERRY, doing business as Pickwick Ice Cream Company, Stamford, Conn. Republished by Pickwick Ice Cream Co., Inc., Stamford, Conn., a corporation of Connecticut.

PICKWICK

FOR ICE CREAM.
Claims use since Feb. 15, 1929.

Reg. No. 311,383. Registered Mar. 20, 1934. GENERAL MILLS, INC., Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

Why Not Now?

FOR WHEAT FLOUR AND BREAKFAST CEREALS.
Claims use since about June 1912.

Reg. No. 316,997. Registered Sept. 11, 1934. JOHN MOARELL & CO., Ottumwa, Iowa, a corporation of Maine. Republished by registrant.



The drawing is lined to indicate shading.
FOR FOOD FOR DOGS, CATS, FOXES, AND OTHER CARNIVOROUS ANIMALS.
Claims use since Apr. 2, 1932.

Reg. No. 317,382. Registered Sept. 25, 1934. JOHN MOARELL & CO., Ottumwa, Iowa, a corporation of Maine. Republished by registrant.



The drawing is lined for orange, yellow, red, and black. No claim is made to the outline of a label.
FOR FOOD FOR DOGS, CATS, FOXES, AND OTHER CARNIVOROUS ANIMALS.
Claims use since Jan. 2, 1934.

Reg. No. 323,018. Registered Mar. 26, 1935. BASIC FOODS, INC., New York, N. Y. Republished by Basic Foods, Inc. (1947), New York, N. Y., a corporation of New York.

Frost-O-Fast

FOR ICING FOR CAKES AND COOKIES.
Claims use since Nov. 1, 1933.

Reg. No. 328,977. Registered Oct. 15, 1935. WALDENSIAN BAKING COMPANY, Valdese, N. C. Republished by Waldensian Bakeries, Inc., Valdese, N. C., a corporation of North Carolina.



The drawing is lined to represent the colors blue and red. The expression "Sandwich Loaf" is disclaimed apart from the mark as shown.
FOR BREAD.
Claims use since May 1932.

Reg. No. 330,703. Registered Dec. 10, 1935. PACIFIC GRAPE PRODUCTS COMPANY, Modesto, Calif., a corporation of California. Republished by registrant.

Dignity

FOR CANNED FRUITS.
Claims use since July 1933.

Reg. No. 331,229. Registered Dec. 31, 1935. E. C. ORTEGA COMPANY, INC., Los Angeles, Calif. Republished by Coastal Valley Canning Co., Oxnard, Calif., a corporation of California.



FOR CANNED PEELED CHILE PEPPERS, CANNED PIMIENTOS.
Claims use since about Oct. 1, 1899.

Reg. No. 331,470. Registered Jan. 7, 1936. E. C. ORTEGA COMPANY, INC., Los Angeles, Calif. Republished by Coastal Valley Canning Co., Oxnard, Calif., a corporation of California.



The drawing is lined to indicate shading.
FOR CANNED GREEN CHILE SAUCE.
Claims use since 1907.

Reg. No. 331,487. Registered Jan. 7, 1936. E. C. ORTEGA COMPANY, INC., doing business as Pioneer Chile Packing Co., Los Angeles, Calif. Republished by Coastal Valley Canning Co., Oxnard, Calif., a corporation of California.

LA MESA

FOR CANNED PIMIENTOS AND CHILE PEPPERS.
Claims use since Jan. 16, 1933.

Reg. No. 331,900. Registered Jan. 21, 1936. E. C. ORTEGA COMPANY, INC., Los Angeles, Calif. Republished by Coastal Valley Canning Co., Oxnard, Calif., a corporation of California.

E. C. Ortega & Co. Inc.

FOR CANNED PEELED CHILE PEPPERS, CANNED PIMIENTOS.
Claims use since 1923.

Reg. No. 331,901. Registered Jan. 21, 1936. E. C. ORTEGA COMPANY, INC., Los Angeles, Calif. Republished by Coastal Valley Canning Co., Oxnard, Calif., a corporation of California.



FOR CANNED PIMIENTOS.
Claims use since 1923.

Reg. No. 332,635. Registered Feb. 18, 1936. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ROYAL ZEST

FOR PREPARED COCOA.
Claims use since Aug. 22, 1921.

Reg. No. 333,529. Registered Mar. 24, 1936. SUPERBA PACKING CO. LTD., San Francisco, Calif., a corporation of California. Republished by registrant.

Tops

FOR CANNED ALIMENTARY PASTE PRODUCTS.
Claims use since Oct. 18, 1935.

Reg. No. 346,256. Registered May 18, 1937. BRIGGS LEMON ASSOCIATION, Santa Paula, Calif., a corporation of California. Republished by registrant.

RULER

FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since Nov. 17, 1936.

Reg. No. 346,257. Registered May 18, 1937. BRIGGS LEMON ASSOCIATION, Santa Paula, Calif., a corporation of California. Republished by registrant.

CUSTOM

FOR FRESH CITRUS FRUIT—NAMELY, LEMONS.
Claims use since Nov. 17, 1936.

Reg. No. 346,928. Registered June 15, 1937. OLD MONK OLIVE OIL CO., Chicago, Ill. Republished by Old Monk Company, Chicago, Ill., a corporation of Illinois.

Old Monk
Triple Whipped

The words "Triple Whipped Brand" are disclaimed apart from the mark as shown.
FOR SALAD DRESSING.
Claims use since Mar. 15, 1935.

Reg. No. 349,708. Registered Aug. 31, 1937. PIRU CITRUS ASSOCIATION, Piru, Calif., a corporation of California. Republished by registrant.

TRIAD

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since Feb. 26, 1937.

Reg. No. 353,939. Registered Jan. 25, 1938. FLORASYNTH LABORATORIES, INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR SYNTHETIC AND NATURAL AROMATICS AND ESSENTIAL OILS FOR FOOD FLAVORING PURPOSES.
Claims use since May 1916.

Reg. No. 354,066. Registered Feb. 1, 1938. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PUNCHOLA

FOR FRUIT FLAVORED POWDERED CONCENTRATE FOR USE IN MAKING FOOD BEVERAGES AND FROZEN DESSERTS.
Claims use since Oct. 14, 1930.

Reg. No. 359,070. Registered Aug. 2, 1938. SELMA MERCANTILE CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

SELMA PEAK

FOR EGGS IN THE SHELL.
Claims use since Jan. 4, 1938.

Reg. No. 364,237. Registered Jan. 24, 1939. GEORGE H. KMETS, doing business as Carnation Bakery and Carnation Pastry Shoppe, East Chicago, Ind. Republished by registrant.



FOR BREAD—NAMELY, WHITE, RYE, WHOLE WHEAT, BUTTER AND EGG, SWEET AND PLAIN ROLLS, BUTTER ROLLS; ASSORTED BREAD IN PACKAGES; DOUGHNUTS, PLAIN AND RAISED; CAKE—NAMELY, POUND, LAYER, LOAF, SPONGE; DANISH COFFEE CAKE, SWEET DOUGH COFFEE CAKE; COOKIES OF ALL KINDS; FRENCH AND AMERICAN PASTRIES; POPCORN CONFECTION—NAMELY, CARAMEL COATED POPCORN AND SALTED AND BUTTERED POPCORN; CANDY; AND ICE CREAM.
Claims use since June 15, 1938.

Reg. No. 365,079. Registered Feb. 21, 1939. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CHILK

FOR BASE FOR MAKING A CHOCOLATE FLAVORED DAIRY DRINK.
Claims use since Sept. 16, 1938.

Reg. No. 376,405. Registered Mar. 26, 1940. VAN CAMP SEA FOOD CO., INC., Terminal Island, Calif., a corporation of California. Republished by registrant.

SEA-PEP



FOR REFINED FISH OIL USED AS AN INGREDIENT IN SALAD DRESSINGS AND AS AN INGREDIENT IN OTHER MANUFACTURED FOODS; FISH OIL AND FISH MEAL USED AS A HEALTH RATION FOR POULTRY, LIVE STOCK, AND DOGS OR OTHER CARNIVOROUS ANIMALS.
Claims use since Aug. 14, 1937.

Reg. No. 381,408. Registered Sept. 24, 1940. OLD MONK OLIVE OIL CO., Chicago, Ill. Republished by Old Monk Company, Chicago, Ill., a corporation of Illinois.



The words "Granada," "Olives," "Nice, France—Chicago—New York," are disclaimed apart from the mark as shown.
FOR OLIVES.
Claims use since 1918.

Reg. No. 385,662. Registered Mar. 11, 1941. E. C. ORTEGA CO., Los Angeles, Calif. Republished by Coastal Valley Canning Co., Oxnard, Calif., a corporation of California.



SNAP-E-TOM

FOR CANNED TOMATO AND GREEN CHILE JUICE FOR FOOD PURPOSES.
Claims use since Oct. 3, 1940.

Reg. No. 392,984. Registered Jan. 20, 1942. EXETER FRUIT ASSOCIATION, Exeter, Calif., a corporation of California. Republished by registrant.

PURSUIT

FOR FRESH FRUITS—NAMELY, FRESH GRAPES.
Claims use since Oct. 20, 1939.

Reg. No. 395,855. Registered June 16, 1942. OLD MONK OLIVE OIL CO., Chicago, Ill., now by change of name Old Monk Company. Republished by Old Monk Company, Chicago, Ill., a corporation of Illinois.

OLIVETTE

FOR SALAD OIL AND SANDWICH SPREAD.
Claims use since 1928.

Reg. No. 403,486. Registered Sept. 28, 1943. J. L. WHAITES, Phoenix, Ariz. Republished by registrant.



The words "Phoenix" and "Best in the West" are disclaimed apart from the mark as shown.
FOR FRESH VEGETABLES.
Claims use since Jan. 10, 1936.

Reg. No. 422,208. Registered July 9, 1946. MERRILL CANDY CO., Merrill, Wis., a corporation of Wisconsin. Republished by registrant.



FOR BAR CANDY.
Claims use since Mar. 10, 1930.

Reg. No. 433,061. Registered Sept. 23, 1947. WHIS FISH PRODUCTS COMPANY, INC., Seattle, Wash., a corporation of Washington. Republished by registrant.

Bonfire

FOR CANNED SHELLFISH AND CANNED FISH.
Claims use since Mar. 1, 1946.

Reg. No. 433,678. Registered Oct. 28, 1947. MERRILL CANDY COMPANY, Merrill, Wis., a corporation of Wisconsin. Republished by registrant.



The representation of the cherries is disclaimed apart from the mark as shown.
FOR BAR CANDY.
Claims use since Sept. 12, 1932.

Reg. No. 433,860. Registered Nov. 4, 1947. MERRILL CANDY CO., Merrill, Wis., a corporation of Wisconsin. Republished by registrant.



The representation of the cherries is disclaimed apart from the mark as shown.
FOR BAR CANDY.
Claims use since Oct. 12, 1918.

Reg. No. 435,909. Registered Jan. 18, 1948. NYE AND NAUMES PACKING COMPANY, Medford, Oreg., a corporation of Oregon. Republished by registrant.



FOR FRESH DECIDUOUS FRUITS.
Claims use since Aug. 12, 1946.

Reg. No. 438,534. Registered Apr. 27, 1948. MALTEX COMPANY, Burlington, Vt., a firm. Republished by registrant.



MALTEX

FOR BREAKFAST CEREAL.
Claims use since Oct. 15, 1900.

Reg. No. 439,561. Registered July 6, 1948. IVANHOE FOODS, INC., Auburn, N. Y., a corporation of New York. Republished by registrant.

IVANHOE

FOR MAYONNAISE, SALAD DRESSING, SANDWICH SPREADS, AND CHILI SAUCE.
Claims use since July 1919.

Reg. No. 440,477. Registered Sept. 7, 1948. COASTAL VALLEY CANNING CO., Oxnard, Calif., a corporation of California. Republished by registrant.

LA COSTA

FOR CANNED CHILES.
Claims use since Sept. 10, 1946.

CLASS 47
WINES

Reg. No. 304,968. Registered July 25, 1933. C. N. KOPKE & Co. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



FOR PORT WINE.
Claims use since Aug. 13, 1825.

Reg. No. 306,119. Registered Sept. 5, 1933. C. N. KOPKE & Co. LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

KOPKE

FOR PORT WINE.
Claims use since 1638.

Reg. No. 319,645. Registered Dec. 4, 1934. MAISON GEISWEILER & FILS, SOCIETE ANONYME, Nuits-Saint-Georges (Cote d'Or), France, a French corporation. Republished by registrant.

PINK VELVET

FOR WINES.
Claims use since Feb. 14, 1934.

Reg. No. 319,646. Registered Dec. 4, 1934. MAISON GEISWEILER & FILS, SOCIETE ANONYME, Nuits-Saint-Georges (Cote d'Or), France, a French corporation. Republished by registrant.

RED VELVET

FOR WINES.
Claims use since Feb. 14, 1934.

Reg. No. 319,647. Registered Dec. 4, 1934. MAISON GEISWEILER & FILS, SOCIETE ANONYME, Nuits-Saint-Georges (Cote d'Or), France, a French corporation. Republished by registrant.

WHITE VELVET

FOR WINES.
Claims use since Feb. 14, 1934.

CLASS 48
MALT BEVERAGES AND LIQUORS

Reg. No. 308,329. Registered Nov. 28, 1933. GRIESEDIECK BROS. BREWERY COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.



FOR BOTTLED BEER.
Claims use since 1912.

CLASS 49
DISTILLED ALCOHOLIC LIQUORS

Reg. No. 306,614. Registered Sept. 26, 1933. T. & A. MCCLELLAND LIMITED, Bladnoch, Wigtownshire, Scotland, a Scotland corporation organized under the laws of Great Britain. Republished by registrant, present address Glasgow, Scotland.

CLANROY

FOR SCOTCH WHISKEY.
Claims use since March 1931.

Reg. No. 310,131. Registered Feb. 13, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

Caledonia Gin

The word "Gin" is disclaimed apart from the mark as shown.
FOR GIN.
Claims use since Oct. 11, 1933.

Reg. No. 310,152. Registered Feb. 13, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

Yankee Clipper Gin

The word "Gin" is disclaimed apart from the mark as shown.

FOR GIN.
Claims use since Oct. 11, 1933.

Reg. No. 316,375. Registered Aug. 21, 1934. BOHEMIAN DISTRIBUTING COMPANY, also doing business as International Products Company, Los Angeles, Calif., a corporation of California. Republished by registrant.

HIGHLAND CHIEF

FOR WHISKEY.
Claims use since Feb. 1, 1934.

Reg. No. 320,138. Registered Dec. 18, 1934. OLD MONK OLIVE OIL CO., Chicago, Ill. Republished by Old Monk Company, Chicago, Ill., a corporation of Illinois.

Old Monk



FOR BRANDY AND ALCOHOLIC CORDIALS.
Claims use since 1914.

Reg. No. 372,594. Registered Nov. 7, 1939. ALEXANDER MCDOUGALL & CO. LIMITED, Glasgow and Islay, Scotland, a limited liability company of Great Britain. Republished by registrant, present address Islay, Scotland.

ARDBEG

FOR WHISKY.
Claims use since the year 1855.

Reg. No. 372,595. Registered Nov. 7, 1939. ALEXANDER MCDOUGALL & CO. LIMITED, Glasgow and Islay, Scotland, a limited liability company of Great Britain. Republished by registrant, present address Islay, Scotland.



FOR WHISKY.
Claims use since 1855.

CLASS 50
MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 351,377. Registered Oct. 26, 1937. E. L. SMITH & Co., Barre, Vt. Republished by Rock of Ages Corporation, Barre, Vt., a corporation of Vermont.



FOR GRANITE MONUMENTS AND MEMORIALS.
Claims use since Mar. 22, 1937.

REISSUES

JUNE 21, 1949

23,124
PREPARATION OF N-DIMETHYL-ETHANOLAMINE

William F. Gresham, Alapocas, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original No. 2,462,736, dated February 22, 1949, Serial No. 548,803, August 9, 1944. Application for reissue April 9, 1949, Serial No. 86,585

3 Claims. (Cl. 260—584)

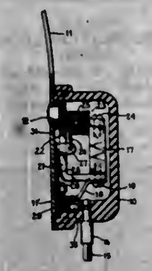
1. A process for the preparation of an N-dimethylethanolamine which comprises subjecting formaldehyde cyanhydrin to hydrogenation in the presence of formaldehyde and 4 to 20 parts by weight of methanol per part of formaldehyde cyanhydrin at a temperature between 15° and 150° C., a pressure between 200 and 700 atmospheres and in the presence of at least 25% by weight of a hydrogenation catalyst.

23,125
BONE CONDUCTION HEARING AID

Henry Koch, Huntingdon, Pa., assignor to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware

Original No. 2,405,433, dated August 6, 1946, Serial No. 425,039, December 31, 1941. Application for reissue June 28, 1947, Serial No. 757,799

10 Claims. (Cl. 179—107)



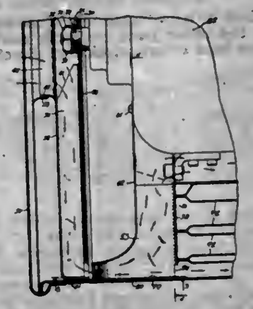
1. In an audiphone receiver, the combination of an electromagnetic means adapted to respond to varying currents substantially throughout the audible frequency range, a casing having a face plate adapted to engage the body of the user, a contactor forming at least part of the body-engaging surface of said face plate and vibrated by said electromagnetic means relatively to said casing, relatively stiff spring means connecting said contactor and electromagnetic means, and resilient means connecting said electromagnetic means directly connected to said casing and supporting said electromagnetic means, spring means and contactor for bodily movement of the same as a unit relatively to said face plate in response to excessive pressures applied to said contactor, said resilient means having a stiffness less than that of said spring means.

23,126
AIR COMPRESSOR

Calvin D. MacCracken, New Rochelle, N. Y., assignor, by direct and mesne assignments, to Jet-Heet, Inc., New York, N. Y., a corporation of New York

Original No. 2,462,518, dated February 22, 1949, Serial No. 716,365, December 14, 1946, which is a continuation of Serial No. 678,627, June 22, 1946. Application for reissue April 8, 1949, Serial No. 86,251

2 Claims. (Cl. 230—127)



2. In a centrifugal air compressor, in combination with a rotor delivering compressed air through an annular opening in one face near its periphery, a stator receiving compressed air from said rotor and comprising a cylindrical shell concentrically located with reference to the axis of the rotor and having a diameter which is about equal to the outside diameter of the rotor, a plurality of curved vanes located in cooperative relation to said annular opening in the rotor and radially arranged within said shell and with the outer edges of said vanes in contact with said shell, a shroud in contact with the inner edges of said vanes, and an annular plate having an outside diameter less than the diameter of said shell and located at a right angle to and concentric with the axis of the rotor and in cooperative relation to the edges of said vanes; whereby the direction and velocity of the compressed air delivered by said rotor to the stator are changed and the compressed air is directed into two paths, one of which is parallel to the axis of the rotor and extends through the annular opening between said shell and the outer edge of said plate, and the other of which is transverse to and toward said axis and extends between said shroud and plate.

23,127
SLIDE RULE CURSOR

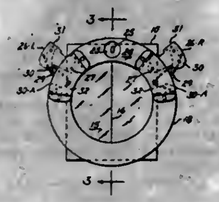
Joseph J. Smidl, Portland, Oreg.

Original No. 2,418,910, dated April 15, 1947, Serial No. 564,196, November 20, 1944. Application for reissue December 30, 1948, Serial No. 70,421

5 Claims. (Cl. 235—84.3)

1. A cursor for slide rules comprising a frame adapted to be mounted slidably on a rule, said

frame including a hollow ring, an annulus revolvably mounted in said ring, said frame having an opening therein through which a portion of said annulus may be observed, said annulus having lugs formed thereon, a pair of lever arms hinged to said frame, each of said lever arms having a pawl mounted thereon, one of said pawls engaging said lugs to drive same in a clockwise direction and the other pawl engaging said lugs to drive same in a counterclockwise direction, one lug at a time, said annulus being provided with characteristics thereon ranging through sequentially arranged positive values in one direction and negative values in the other direction.



23,123
PRODUCTION OF VINYL CHLORIDE
Joseph F. Weller, Lewiston, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Original No. 2,412,308, dated December 10, 1946, Serial No. 538,083, May 30, 1944. Application for reissue April 9, 1949, Serial No. 86,605
1 Claim. (Cl. 260—656)

In a process for producing vinyl chloride the combination of steps which comprises subjecting ethylene dichloride to pyrolysis to form vinyl chloride and hydrogen chloride, passing the products of pyrolysis over an activated adsorbent, adding acetylene to the adsorbent treated products of pyrolysis, and catalytically reacting the acetylene with the hydrogen chloride in the mixture.

PATENTS

GRANTED JUNE 21, 1949

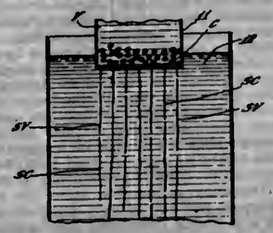
2,473,497
UNSATURATED HETEROCYCLIC ALCOHOL
Newman M. Bortnick, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application November 4, 1947, Serial No. 784,983
3 Claims. (Cl. 260—333)

1. As a new chemical compound, 2,5-dimethyl-2-hydroxymethyl-2,3-dihydropyran.

2,473,498
SYNTHETIC RESINS DERIVED FROM ACRYLONITRILE ADDUCTS
James E. Dudley, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 1, 1946, Serial No. 651,375
18 Claims. (Cl. 260—2)

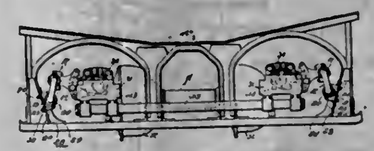
18. A process which comprises heating together, as sole resin-forming ingredients, a polyamine having a hydrogen atom attached to an amino nitrogen atom, acrylonitrile, and an ammonocarbonic acid selected from the group consisting of cyanamide, dicyandiamide, guanidine, mono- and asymmetric di-hydrocarbon substituted guanidines, salts of guanidine and said substituted guanidines, biguanide, mono- and asymmetric di-hydrocarbon substituted biguanides, and guanyl urea to form a heat reaction product thereof.

2,473,499
PRODUCTION OF SLIVERS OF ARTIFICIAL FIBERS
William G. Abbott, Jr., Milford, N. H.
Application April 30, 1946, Serial No. 666,172
6 Claims. (Cl. 18—54)



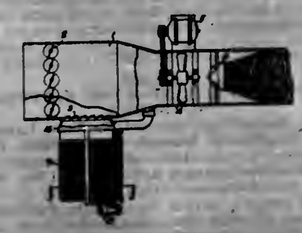
1. Method of forming a sliver of artificial fiber which comprises forming a composite comprising a filament-forming material in a continuous phase and another filament-forming material in a dispersed phase, both of said materials being in a flowable condition and being immiscible with each other so that each retains its separate identity, continuously feeding said composite to a plurality of adjacent orifices adapted to extrude the plurality of filaments which together constitute a sliver, said materials being so disposed substantially uniformly throughout the composite, as to present bodies of each material to the individual orifices at frequent intervals, such bodies of each filament-forming material filling the orifice cross section to the temporary exclusion of the other filament-forming material, thereby forming pieces of filament of staple length to produce a sliver from the several orifices comprising overlapped and longitudinally staggered pieces of both filament-forming materials.

2,473,500
VEHICLE SPRING SUSPENSION
Dwight E. Austin and William B. Fageol, Kent, Ohio, assignors to Twin Coach Company, Kent, Ohio, a corporation of Delaware
Application March 23, 1944, Serial No. 527,777
6 Claims. (Cl. 267—21)



1. In a vehicle, suspension means therefor, including inner and outer, substantially concentric members, a bushing of elastic material arranged between and fixed to said members, a lever having pivotal connection at one end with the unsprung vehicle mass, means connecting said inner member with the sprung vehicle mass, and means for attaching said outer member to the other end of said lever, in one position of the latter, when the vehicle is unloaded, said attaching means being operative to place said bushing under normal negative torsional stress which progressively decreases to substantially zero stress position, in the pivotal movement of said lever, as the vehicle is loaded to substantially full capacity.

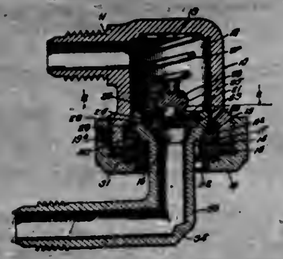
2,473,501
AIR FILTER
Agnew H. Bahnson, Jr., Winston-Salem, N. C.
Application July 9, 1945, Serial No. 603,761
7 Claims. (Cl. 183—66)



1. An air filter comprising a filtering cylindrical wall mounted for rotation on its longitudinal axis, means for rotating the cylinder, means for sucking air inwardly through said cylindrical wall and with-drawing air from the interior of the cylinder, means for cleaning the cylindrical wall comprising a first chamber positioned out-

side the cylinder, said first chamber having a slot embracing a portion of the cylindrical wall, means within said first chamber engaging said cylindrical wall through said slot for detaching accumulated filtered material from said surface; a second chamber positioned within said cylinder and having a slot embracing a portion of the inner surface of the cylindrical wall opposite said last named means; a stationary air filter connected to said second chamber and means for sucking air from said last named chamber through said stationary air filter.

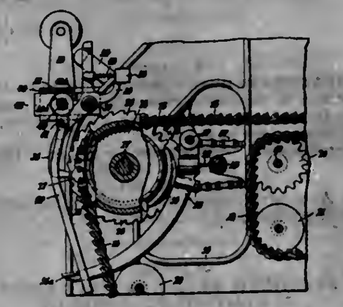
2,473,502
JOINT
Francis N. Bard, Highland Park, Ill.
Application July 14, 1945, Serial No. 605,063
7 Claims. (Cl. 285—97.1)



1. A flexible fluid conducting joint of the character described comprising a casing member having a cylindrical portion and a ball member received by said casing member and retained in movable sealing relationship therewith, including: a gasket of rigid material with a first surface having a sliding fit in said cylindrical portion of the casing and having a second surface contacting the outer surface of said ball member to oppose axial movement of the ball member due to fluid pressure in the joint, said gasket having a third surface extending closely adjacent the inner wall of the casing and making a corner therewith; a ring of deformable material pressed into the corner between the last mentioned surface and adjacent casing wall by fluid pressure in the joint for sealing the space between the casing and sliding gasket, said ring being on the side of said gasket open to fluid in the joint; and a removable support for said gasket.

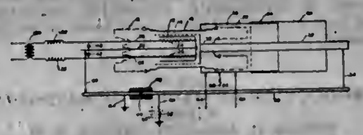
2,473,503
PATTERN MECHANISM FOR KNITTING MACHINES
Emil J. Berger and Howard K. West, Lansdale, Pa., assignors to Dexdale Hosiery Mills, Lansdale, Pa., a corporation of Pennsylvania
Application January 3, 1948, Serial No. 469
5 Claims. (Cl. 66—154)

1. In pattern control mechanism for knitting machines, a timing chain; a sprocket drum about which the chain is trained; a group of control elements normally positioned in the paths of cam projections on the chain; a slide on which the control elements are supported for independent movement; a fixed guide on which the slide is restricted to movement toward and away from the chain; spring means tending to retract the slide and thereby bodily withdraw the control elements out of the range of the cam projections on the chain when it is desired to reset the latter to starting position; a shaft with a radial stop



projection for engaging the slide to keep it in normal position; and means on said shaft whereby it can be turned to permit retraction of the slide by the spring means.

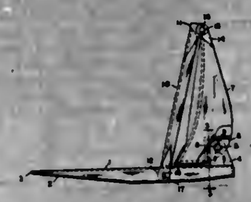
2,473,504
CONCENTRIC LINE OSCILLATOR
Clarence A. Boddie, Belmar, N. J.
Application June 18, 1943, Serial No. 491,273
15 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



9. A very high frequency oscillator comprising, an oscillator tube having a concentric cylindrical anode, cathode and grid, and associated circuits, said tube having an appreciable cathode-to-grid capacitance, an anode pipe connected to the anode, the anode and anode pipe approximating a half wave length of the desired frequency, a grid pipe within the anode pipe connected to the grid and extending appreciably beyond the end of the anode pipe, said associated circuits including a grid-to-cathode circuit adapted to carry the grid-to-cathode charging current, said circuit including a longitudinal conductor external to the tube, a radio frequency connection from the cathode to a point near one end of said longitudinal conductor and a radio frequency connection from the aforesaid grid pipe to a point near the opposite end of said longitudinal conductor.

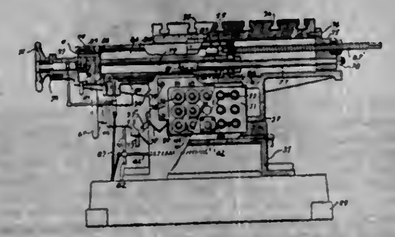
2,473,505
ATTACHABLE LIFTING ARM FOR BULLDOZER BLADES
Louis R. Brock, Hague, N. Y.
Application July 10, 1945, Serial No. 604,284
6 Claims. (Cl. 214—131)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. A lifting fork for attachment to a bull dozer blade comprising a fork member, means on the rear end of said fork member for pivotal attachment to a bull dozer blade, an upwardly extending arm connected to said fork member, and



means on said arm adapted for connecting said arm to said blade.

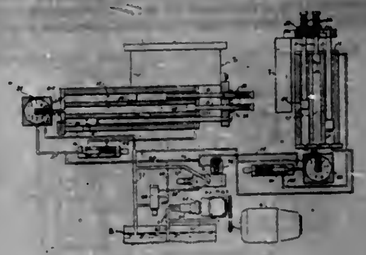
2,473,506
POSITIONING DEVICE
Edward P. Bullard, III, Fairfield, Conn., assignor to The Bullard Company, a corporation of Connecticut
Application January 6, 1945, Serial No. 571,637
31 Claims. (Cl. 60—97)



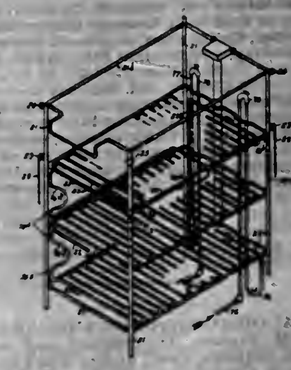
1. Apparatus comprising in combination, a member adapted to be moved along a plurality of paths at substantially right angles to each other; yieldable, oppositely-acting means adapted to move said member to, and hold it at any desired point along each of its paths of motion; adjustable means for accurately locating a plurality of points along said paths to any one at a time of which said member is adapted to be moved, and held; and means adapted to be moved non-proportionately relatively to the movement of said member and to a plurality of positions, one for each of said different points along said paths for causing said member to be moved to, and held at said different points along said paths of motion.

2,473,507
POSITIONING APPARATUS
Edward P. Bullard, III, Fairfield, Conn., assignor to The Bullard Company, a corporation of Connecticut
Application November 13, 1946, Serial No. 709,612
13 Claims. (Cl. 60—97)

11. In a hydraulic system, a plurality of floating pistons; a cylinder for each floating piston; a master piston connected to a movable member; separate adjustable means connected to said member adapted to cooperate with each of said floating pistons; a pump having a low-volume high-pressure portion and a large-volume low-pressure portion; common ducts for conveying both said high and low pressure fluids to the cylinders containing said pistons; a pre-settable valve for admitting only high pressure fluid to said master piston; and a distributor valve for selectively admitting said fluid to any of the cylinders containing said floating pistons while exhausting all others thereof.



2,473,508
FREEZER SHELF CONSTRUCTION
Douglas Collins, Salisbury, N. C.
Application August 16, 1945, Serial No. 610,961
7 Claims. (Cl. 62—126)

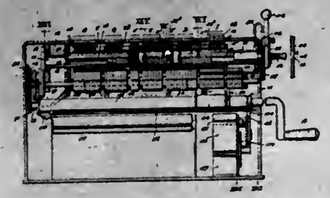


1. In a refrigerating device a vertically movable frame, a conduit for the passage of a fluid refrigerant, said conduit being carried by and movable with the frame and constituting a shelf for supporting and maintaining intimate thermal contact with the articles to be frozen, and means for guiding the vertical movement of said frame.

2,473,509
CASH REGISTER
Marcel Demeulenaere, Flushing, N. Y.
Original application April 18, 1935, Serial No. 17,119. Divided and this application March 4, 1942, Serial No. 433,898. In Belgium January 26, 1935
13 Claims. (Cl. 235—2)

1. In combination, a movable printing head carriage, printing discs rotatably mounted in said carriage, two sets of numerical printing characters arranged on each disc and progressing in numerical value in opposite directions circumferentially of said disc, the characters of one set being displaced with relation to the other set circumferentially of each disc, and separate im-

pression members for the sets of characters relatively displaced in accordance with the displacement of said characters, means effective in one position of the carriage to variably turn the discs in one direction to position the characters of one



set with respect to the related impression member, and means effective in another position of the carriage to variably turn the discs in the opposite direction to position the characters of the other set with respect to the related impression member.

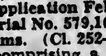
2,473,510

STABILIZATION OF ORGANIC SUBSTANCES

George H. Denison, Jr., Oakland, and Paul C. Condit, Berkeley, Calif., assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 21, 1945, Serial No. 579,169
8 Claims. (Cl. 252—45)

1. A lubricant comprising a major proportion of a mineral lubricating oil which is susceptible to oxidation and a small amount, sufficient to inhibit oxidation of said lubricating oil, of a monoselenide containing not more than 14 carbon atoms and having in the molecule the structure



wherein both carbon atoms are aliphatic carbon atoms.

2,473,511

MINERAL OIL COMPOSITIONS AND THE LIKE

George H. Denison, Jr., Oakland, and Paul C. Condit, Berkeley, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 7, 1945, Serial No. 592,532
4 Claims. (Cl. 252—45)

1. A compounded lubricating oil, comprising a petroleum oil of lubricating viscosity and about 0.1 to 2% by weight based on finished oil of dicetyl monotelluride.

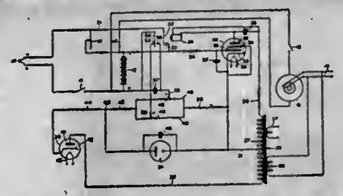
2,473,512

VOLTAGE CONTROL SYSTEM

Everett L. Deeter, Washington, D. C.

Application June 1, 1944, Serial No. 538,317
27 Claims. (Cl. 321—28)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a system of voltage control, the combination of a D. C. input, a storage battery, voltage reduction means for floating said storage battery across said D. C. input at a reduction in voltage thereof, a rotary converter operatively electrically connected to said battery and adapted to provide a source of A. C. power, a load circuit supplied by said A. C. source, and an electronic control circuit supplied by the A. C. source and adapted to control the charge and discharge



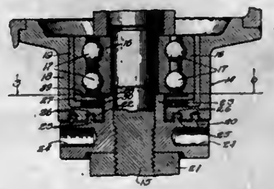
cycle of the battery, thereby to maintain the voltage of the battery within predetermined limits.

2,473,513

SEALING AND POSITIONING MEANS FOR GRINDER MECHANISMS OR THE LIKE

Raymond S. Dewey, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois

Application April 17, 1946, Serial No. 662,880
6 Claims. (Cl. 308—187.1)



1. In a grinding machine or the like comprising a spindle upon which a grinder is to be mounted, a bearing race and bearings around the spindle, a cover surrounding said bearing race including a lower annular portion extending inwardly toward the spindle, a bushing between the cover and the bearing race, and a driving collar surrounding the outer end of the spindle and adjacent the annular portion of said cover and including an annular portion extending up between the spindle and the annular portion of the cover to the lower end of the bearing race, positioning and sealing means including an annular metal washer in contact with the lower end of said bearing race, and between the bushing and said annular portion of the driving collar, and an annular sealing washer of compressible material between said metal washer and the annular portion of said cover with the sealing washer extending from the lower end of the bushing to the annular portion of the driving collar and forming a tight seal with said annular portion.

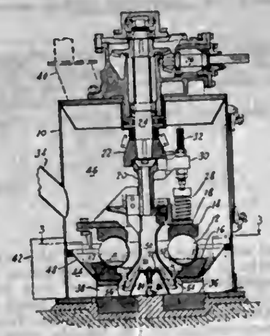
2,473,514

AIR-SWEPT PULVERIZER HAVING INTERNAL FLOW AREA ADJUSTING MEANS

George B. Ebersole, Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey

Application August 14, 1943, Serial No. 498,632
13 Claims. (Cl. 241—53)

2. In a pulverizer comprising a casing having an outlet in its upper portion for pulverized material suspended in carrier air, upper and lower grinding rings coaxially arranged in a lower portion of the space enclosed by said casing, a circular series of grinding balls intermediate said rings and cooperating therewith to define a pulverizing zone, means for rotating one of said rings and thereby causing said balls to roll relative to both of said rings, means for feeding raw material to said zone adjacent the outer periphery thereof, means rotatable about the axis of said rings and axially fixed in relation to the lower of said rings for defining an annular throat of constant available flow area adjacent the inner



circumference of said lower ring for upward flow of carrier air into said pulverizing zone, adjustable valving means independent of and movable relative to said means defining said throat for rendering effective different proportions of said available throat area, and means operable from the exterior of said casing for moving said adjustable means to a position clear of said throat for rendering effective said constant available flow area of said throat.

2,473,515

ARTIFICIAL TOOTH

Leopold Egger, Linz, Upper Austria

Application August 7, 1947, Serial No. 766,997
In Austria July 7, 1946
Section 1, Public Law 690, August 8, 1946
10 Claims. (Cl. 32—8)



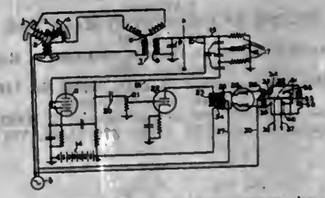
1. A composite artificial tooth comprising a supporting member, a crown, an elastic layer interposed between said supporting member and said crown, a rolling surface on said supporting member, a rolling surface on said crown, said supporting member and said crown being shaped so that one of said two parts comprises a pin and the other a bearing cup which pin and bearing cup interact at said rolling surfaces, and said supporting member and crown forming between themselves an annular gap occupied by said elastic layer.

2,473,516

GYRO FLUX VALVE COMPASS SYSTEM

Caesar F. Fragola, Brooklyn, and Reginald V. Craddock, Williston Park, N. Y., assignors to The Sperry Corporation, a corporation of Delaware

Application May 29, 1943, Serial No. 488,996
4 Claims. (Cl. 33—222)



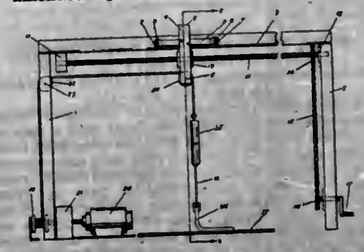
1. In a system for controlling precession of a gyro, a gyro including a rotatably supported rotor bearing case, an electronic amplifier, a source of periodically varying reference current, phase-sensitive means controlled by the voltage output of said electronic amplifier for causing precession of said gyro in one direction or the other in accordance with the phase relationship of the signal supplied thereto relative to said current source, means including a flux valve for supplying a signal voltage when the position of said rotor bearing case departs from a predetermined azimuthal position relative to the horizontal directional component of the earth's field, said phase-sensitive means and said flux valve being energized from said current source and said flux valve being adapted to provide a signal voltage output having a frequency substantially twice the periodicity of said source, said amplifier comprising an oscillator including a circuit tuned to the frequency of said current source and a feedback path from said tuned circuit to sustain oscillations at its tuned frequency, the signal voltage from said signal voltage supplying means being supplied in controlling relation to trip said oscillator and to control the phase sense of its output relative to said current source.

2,473,517

ADHESION TESTING MACHINE

Doris M. Freedman, New York, N. Y.

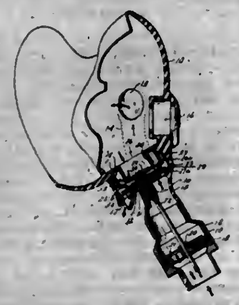
Application August 6, 1945, Serial No. 609,295
10 Claims. (Cl. 73—150)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device of the class described comprising a frame, a line supported by said frame and having one end connected to a test strip secured adhesively to a plate, means for taking up on said line at a uniform rate to pull said strip from

such plate, guide means for controlling the direction of pull of said line on said strip, movable means for maintaining the pull on said strip substantially perpendicular to such plate, and tension-indicating means in said line for registering the force exerted on said strip.

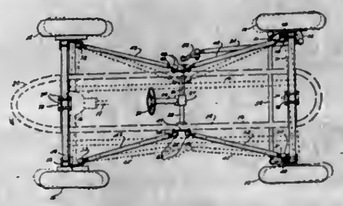
2,473,518
PRESSURE BREATHING MASK FOR AVIATION
Howard F. Garrard, Osborn, and Earl V. Rupp, Dayton, Ohio
Application December 16, 1946, Serial No. 716,592
4 Claims. (Cl. 128—142)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. In an oxygen pressure mask having a mask body, an exhalation valve communicating with the atmosphere and pressure responsive expansible chamber means for loading said exhalation valve during an inhalation period, the improvement which comprises an inlet conduit at the lower portion of said mask body, inlet passage means connected to said conduit and terminating in a port communicating with the interior of the mask, an inlet valve means positioned within the inlet conduit below the connection of the inlet passage means therewith for operation in a region removed from exhaled air containing moisture, and a conduit connected to said inlet conduit on the supply side of said inlet valve and communicating with said expansible chamber means to provide loading pressure to said exhalation valve.

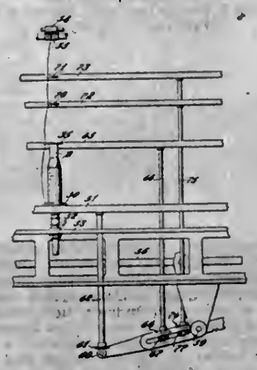
2,473,519
POISE MOUNTING FOR RACING CARS
Edward H. Gillitser, San Diego, Calif.
Application September 26, 1947, Serial No. 776,248
6 Claims. (Cl. 280—112)

1. In an automotive vehicle having a body-supporting frame, a pair of front and a pair of rear road wheels, a front axle carrying said front wheels and a rear axle carrying said rear wheels; a spring-suspension system between said frame and said axles comprising a pair of front brackets secured one to each end portion of the vehicle front axle, a pair of rear brackets secured one to each end portion of the vehicle rear axle, a pair of intermediate brackets secured one to each side of said vehicle frame intermediate the length thereof, a pair of front radius rods each extending from a respective intermediate bracket to the front bracket at the same side of the vehicle frame, a pair of rear radius rods each extending from a respective intermediate bracket to the rear bracket at the same side of the vehicle frame, a ball-and-socket joint between each end of each radius rod and the corresponding bracket, a pair of upstanding, inverted U-shaped cross members disposed one at each end of said frame, a generally U-shaped, transverse front spring having its ends secured to said front axle adjacent the opposite ends thereof and secured at its center to the center of the forward transverse frame member, and a U-shaped rear transverse spring secured at its



ends to said rear brackets and at its center to the center of the rear transverse frame member, the connection points between said transverse frame members and said springs being disposed above the center of gravity of the frame-and-body combination of the vehicle, whereby said frame tends to swing outwardly as said vehicle rounds a curve applying a downward force to the inner-end of each spring and shifting said radius rods to move said axles out of their normal position of parallelism with each other to a position in which the inner-ends of said axles are nearer together than the outer ends thereof.

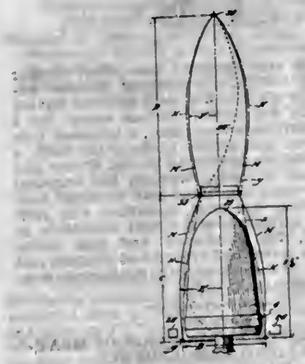
2,473,520
DEVICE AND PROCESS FOR TWISTING AND SPINNING
Eugene C. Gwaltney, Biddeford Pool, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application January 29, 1947, Serial No. 724,987
22 Claims. (Cl. 57—75)



12. A twisting machine comprising a circularly-moving generator around which the thread is adapted to be threaded in an open bend, and

means defining an apex, said apex-defining means and said generator cooperating to form between them a figure of revolution of the thread of sufficient length to assume an outwardly-concave necked configuration if allowed to follow its natural course between said apex and generator with the thread so threaded, in combination with an encircling element contacting with the figure of revolution to stabilize a naturally outwardly-concave portion thereof in an outwardly-convex outline between said element and generator.

2,473,521
TWISTING DEVICE AND METHOD
Eugene C. Gwaltney, Biddeford Pool, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application January 29, 1947, Serial No. 724,988
24 Claims. (Cl. 57—58)

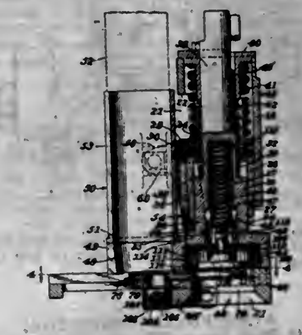


13. A twisting machine including means defining an apex, a circularly moving generator cooperating with said apex-defining means to form a figure of revolution of the thread adapted to assume an exteriorly concave necked configuration if allowed to follow its natural course between said generator and apex, means for supporting a package of thread, means for drawing the thread from the package to the generator and thence to the apex, in combination with means for applying encircling confining force to the figure of revolution at a level between said generator and apex to stabilize the portion of the figure extending from the generator to said level.

2,473,522
TREATMENT OF CRUDE OIL
Robert L. Harris, Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application March 29, 1945, Serial No. 585,567
8 Claims. (Cl. 196—23)

1. A method of treating crude oil to enable the formation of a sludge which is pumpable at lower temperatures, which comprises mixing the crude oil with ammonium oleate and allowing the mixture to settle, the amount of the soap being sufficient to cause the sludge which settles to be pumpable at a temperature within the range of 32° to 65° F. but not sufficient to prevent the formation of such a sludge phase.

2,473,523
CONTAINER CLOSING APPARATUS
Edgar Henschen and Stanley W. Dennis, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application January 24, 1947, Serial No. 723,986
16 Claims. (Cl. 226—88.1)

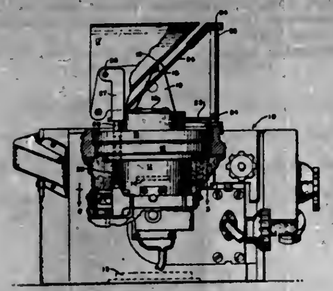


1. In apparatus for applying closures to containers, the closures each comprising a circumferential flange, said apparatus including a head comprising a vertical magazine for receiving a stack of the closures and a vertical throat horizontally spaced from the magazine, guide means extending between the lower ends of said magazine and throat, a slide reciprocable in said guide means between retracted and advanced positions, said slide comprising a rear portion which provides a supporting surface for the stack when the slide is in advanced position, a pair of spaced parallel forward extensions having surfaces adapted to support a closure through its flange, said extensions having free forward ends with the space therebetween unobstructed, whereby the extensions may be retracted from straddling relation with respect to a bottle neck, blade means carried by the extensions above the last mentioned surfaces for removing the lowermost closure from the stack and depositing it on said surfaces as the slide is retracted, an upwardly projecting abutment surface at the rear ends of said surfaces to retain the removed closure thereon for transportation to a position beneath said throat as the slide is advanced, and means operable upon relative vertical movement of said head and a container to be closed for reciprocating said slide between its limit positions.

2,473,524
LEAD ESTIMATION TRAINING REFLEX GUN SIGHT
Donald L. Hibbard and John N. M. Howells, United States Navy
Application June 30, 1945, Serial No. 602,624
8 Claims. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

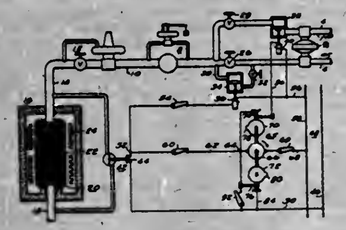
1. In an optical sight, the combination of an optical system including a light source, a single reticule, and an image collimating system, a pair of combining glasses, said glasses being each positioned to project a collimated image of said reticule, one of the combining glasses being in fixed position with respect to said reticule and the

other combining glass being rotatable about two axes normal to each other for tilting movement



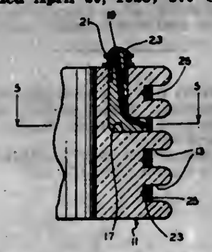
in two degrees of freedom, and means to shift one of said images into or out of the optical system.

2,473,525
ATMOSPHERE PRODUCTION
John G. Hoop, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 21, 1944, Serial No. 564,541
16 Claims. (Cl. 252—373)



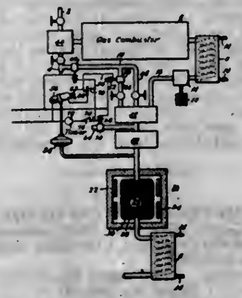
1. A method of manipulating a gas-generating apparatus; said apparatus comprising a porous catalyst bed having some carbon deposited within its pores, a gas-supply means for forcing a mixture of two gases through said catalyst, richness-regulating means for varying the proportions of the gases in said mixture, and means for adding heat to said mixture while it is undergoing a reaction within the pores of said catalyst; said method comprising periodically forcing, through said catalyst, in a predetermined direction, a mixture of a carbonaceous fuel-gas and air in an amount less than necessary to oxidize, to carbon-monoxide, the carbon content of the mixture so that additional free carbon will be slowly depositing within the pores of the catalyst; and before the deposited carbon clogs the apparatus, forcing through said catalyst in said direction, instead of the first-mentioned mixture, another mixture of said gases having a relatively greater amount of air than said first mixture for partially oxidizing the carbon-deposit within the pores of the catalyst; and periodically, for brief intervals, forcing through the catalyst in said direction, a gas-supply composed substantially entirely of air for consuming carbon deposited at the gas-entrance end of the catalyst.

2,473,526
SLIP RING
Arthur Hood, West Long Branch, N. J., Morris Sobel, New York, N. Y., and Edgar A. Terhune, Red Bank, N. J.
Application November 19, 1945, Serial No. 629,682
2 Claims. (Cl. 172—324)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a slip ring device a one-piece annular ceramic body having a metallized channel extending completely about it, said channel having a substantially flat bottom surface except for a groove for receiving a conductor, a terminal hole extending from said groove through the body, a turn of a conductor positioned in said groove and having its ends threaded through the terminal hole, solder completely filling said terminal hole and surrounding said ends, a contact ring split at one point extending about said conductor in said channel, the conductor and ring being sweated to the metallized groove and channel and to each other to form a smooth, continuous contact surface about said body.

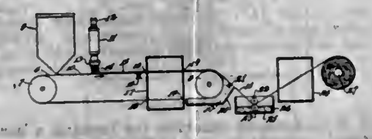
2,473,527
APPARATUS FOR PRODUCTION OF HEAT-TREATING ATMOSPHERES
John G. Hoop, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 12, 1945, Serial No. 622,051
1 Claim. (Cl. 23—281)



A system for producing a special atmosphere, comprising, in combination, a gas-combustor having an inlet and outlet, pipe-means connected to said inlet for conveying to said gas-combustor a fuel-gas, comprising a hydrocarbon, and an oxidising gas, moisture-separating means, a conduit connected to said outlet and extending to said moisture-separating means, a gas-generator including a closed reaction-chamber having a gas-inlet and a gas-outlet in its otherwise

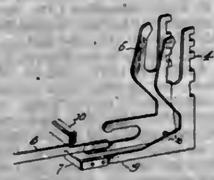
solid walls, and having a porous non-carbonaceous catalyst filling, said gas-generator including means for heating said catalyst filling, a gas-conduit system comprising pipe line connections from said moisture-separating means to said gas-inlet, said gas-conduit system including a branched inlet pipe-means for a supply of carbonaceous fuel-gas to be added to the treated combusted gas from said moisture-separating means, a pressure responsive device comprising a pipe connected to said gas-conduit system, a valve in said branched inlet pipe-means, an interconnecting means extending between said pressure responsive device and said valve operatively interconnecting them so that the device causes operation of the valve, and a product-gas outlet from said gas-outlet of said reaction chamber.

2,473,528
UNWOVEN FILAMENTARY WEB AND METHOD OF PRODUCING SAME
Howard L. Hoover, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application August 14, 1946, Serial No. 690,544
10 Claims. (Cl. 154—101)



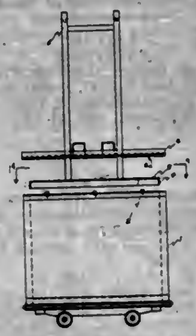
1. The method of producing a web of artificial filaments comprising extruding plastic spinning material into a plurality of filaments and depositing said filaments in overlapping relation, while still sufficiently plastic to adhere to one another and to particulate material, upon a support coated with said particulate material, whereby some of said particles becomes bonded to said filaments and said filaments are bonded to each other prior to the evaporation of said solvent.

2,473,529
FEED LINE MACHINE
Theodore M. Knight, Alexandria, and David A. McBee, Vienna, Va.
Continuation of application Serial No. 599,039, June 12, 1945. This application March 10, 1949, Serial No. 80,702
1 Claim. (Cl. 178—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a teletypewriter mechanism which includes line feed mechanism and carriage return mechanism, a carriage return function lever for operating the carriage return mechanism in response to carriage return signals and a line feed function lever for operating the line feed mechanism in response to line feed signals, said levers being widely spaced from each other, means for operating the line feed mechanisms whenever return function signals are received, comprising an additional lever closely adjacent to the line feed lever and also responsive to the carriage return signal, and connections between the second carriage return function lever and the line feed mechanisms for operating the line feed mechanism when the second carriage return function lever is operated.

2,473,530
PROCESS OF MAKING BAR SOAP WITH INGRAINED EMBLEM
Alvin H. Knoll, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application June 23, 1945, Serial No. 601,144
2 Claims. (Cl. 252—370)



1. A process of making bar soap having an ingrained emblem which includes preparing a mass of soap which is at least partially in the neat soap phase, is in a flowable condition and capable of flowing together and reuniting when divided, and while said soap mass is in said condition, causing it to flow through a grid having elements coacting to form an emblem occupying a substantial surface area of a bar to be formed of said mass, allowing the soap to flow together beyond said grid and without essentially disturbing the pattern thus created in the mass, cooling the soap until it is fully solidified and cutting it into individual bars.

2,473,531
DISINTEGRATOR ROTOR FOR HAMMER MILLS AND THE LIKE
Clarence W. Lanter, Bartlett, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application September 17, 1948, Serial No. 502,754
1 Claim. (Cl. 241—191)

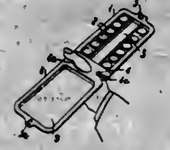
A disintegrator rotor comprising a substantially solid disc having at least three symmetrically disposed peripheral arms at right angles to the face of the disc and substantially of the same thickness as the disc arranged to present relatively thin striking surfaces, each of said arms occupying the same peripheral rotation area upon rotation of the disc, and each arm being provided on its forward face with a series of sharp strik-

ing surfaces on different planes at right angles to the face of the disc, said planes being parallel



to and spaced from each other, with all said surfaces being on one side only of the disc.

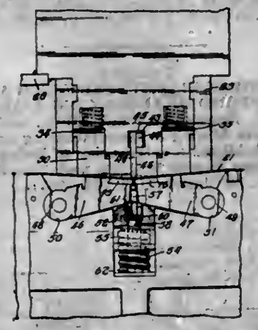
2,473,532
PAINTBOX
Philippe Lazare, Marseille, France
Application May 8, 1947, Serial No. 746,769
In France June 3, 1946
3 Claims. (Cl. 41—4)



1. A paint box comprising a body to receive brushes and colour materials, longitudinal recesses therein to house the said brushes and colour materials, a thumb hole therein to permit the insertion of the thumb for holding the box, a removable cover member pivoted thereto, a pivot stud at one extremity of the box on which the cover member can pivot to expose the contents of the box, a slotted hole in said cover member to engage with the stud and which can be released therefrom to permit removal of the cover, a second stud at the other extremity of the box, a tapered slot in the said cover member to engage releasably therewith and serving to retain the cover when in closed position, a thumb-hole in the cover for insertion of the thumb for holding the cover, and a dished portion in the said cover to receive painting materials, the cover member being removable from the box to permit its inversion and reattachment in the inverted position to the box by the engagement of the said tapered slot with the second stud whereby the thumb holes of the box and cover member may be brought into a corresponding position in which the thumb can be placed therein to hold both box and cover member.

2,473,533
METHOD AND APPARATUS FOR CORRUGATING SHEET METAL BY A RECIPROCATING BENDER WITH A PIVOTED SIDE SHAPER
Michael N. Lebedeff, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application December 19, 1946, Serial No. 717,277
7 Claims. (Cl. 153—3)

1. The method for forming a permanent corrugation in a flat sheet which comprises pressing a U-shaped depression transversely of the entire sheet, and of substantially the same wall thickness as the remainder of the sheet into a portion of said sheet while slipably holding the sheet on both sides of the depression area to restrict movement thereof, removing the pressing member from within the U to leave the same free closing the upper edges of the U by lateral pressure and then imposing a force, at the bottom of the U, greater than the elastic limit of the material, substantially perpendicular to said lateral pressure while increasing said lateral pressure and then moving the sheet laterally a predetermined distance and repeating the forming steps.

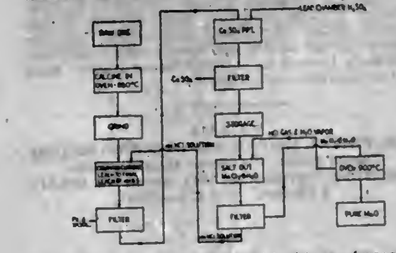


2. A corrugating machine for forming a permanent corrugation in a sheet including means for, in seriatim, slipably holding said sheet by pressure on its upper surface, said holding pressure pressing the lower surface against at least a pair of transverse spaced oscillatory pressure resistant means, means for pressing a U-shaped channel in the portion of the sheet in the space between said holding means while said holding means holds said sheet by pressure on each side of said portion, means for releasing said holding pressure, means for reapplying said holding pressure with said pressing means withdrawn from said channel, said reapplied holding pressure oscillating said pressure resistant means a greater extent whereby said space is decreased and said means exert lateral pressure on the channel to close the U and means for imposing a force greater than the elastic limit of the material substantially perpendicular to said pressure at the bottom of the U.

2,473,534
PRODUCTION OF MAGNESIUM OXIDE
Rex B. Lloyd, Boulder City, Nev.
Application January 23, 1942, Serial No. 427,863
11 Claims. (Cl. 23—201)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

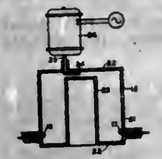
1. In a process for producing a relatively pure magnesium compound from crude magnesium ores involving the leaching of a basic magnesium substance with an acidic chloride solution, the steps which comprise subjecting the impure leach liquor to a preliminary partial purification, then treating the partially purified solution with hydrogen chloride to precipitate pure crystalline hydrated magnesium chloride, removing the crystalline precipitate, calcining the crystalline precipitate at a relatively low temperature to liberate most of the water and some of the hydrogen chloride, then calcining the partially

decomposed residue at a high temperature to liberate substantially all of the remaining com-



bined chlorine as hydrogen chloride, and recovering substantially pure magnesium oxide.

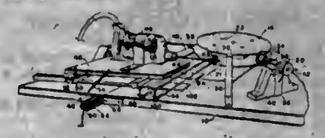
2,473,535
SWITCHING AND MODULATION SYSTEM
Abbott S. Maeder, deceased, late of East Hempstead, N. Y., by Lauretta Maeder Murphy, administratrix, East Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Original application April 4, 1941, Serial No. 386,766, now Patent No. 2,408,425, dated October 1, 1946. Divided and this application August 3, 1944, Serial No. 547,862
4 Claims. (Cl. 332—56)



1. A cavity resonator comprising a substantially enclosed chamber, coupling means for connecting said chamber with a source of radio frequency energy and with an output circuit, respectively, means for recurrently detuning said resonator and substantially completely halting the flow of energy from said source to said circuit comprising a rotatable member having at least a portion thereof projecting within said chamber, the extent of said projection remaining constant with rotation, and means for rotating said member so as to vary the position of said member within said chamber and accordingly to vary the impedance of said resonator with respect to said source.

2,473,536
DEVICE TO REPRODUCE TIMING DISKS
Harry Ephriam McCoy, United States Navy
Application September 16, 1944, Serial No. 554,690
1 Claim. (Cl. 90—15.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A machine for manufacturing precision indexes comprising a master index, an index blank upon which the master index is to be reproduced, said index blank and master index being fixed in superposed relation, a support adapted to receive the index blank for rotation in a horizontal plane, a friction disc rotatable about a horizontal axis, said friction disc being arranged so that its peripheral surface engages the surface of the index blank, means for rotating the friction disc to effect rotation of the index blank, an index member fixed adjacent to the master index, a portion of the index finger overlying the peripheral edge of the index blank, a cutting disc, an electric motor having a shaft to which the cutting disc is fixed, a movable motor support to which the electric motor is clamped, a pair of rails upon which the motor support is adapted to slide, said motor and shaft being so arranged that movement of the motor support on said rails will move the cutting disc radially of the index blank, yieldable means normally holding the motor support, and hence the motor and cutting disc in a for-



ward inoperative position, a flexible member attached to the movable motor support and to a treadle the latter being adapted by actuation thereof to move the motor support rearwardly against the opposition of the yieldable means to cause the cutting disc to travel over the surface of the index blank, stops adjacent to the motor support for limiting the rearward movement of the motor support to different amounts and means for selecting one or the other of the stops and moving it into a position to engage the motor support as it is moved rearwardly.

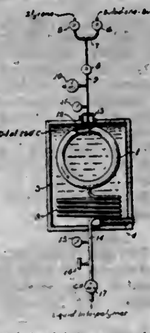
2,473,537
ROTARY BIT OPERATING MECHANISM
Harry W. McDonald, Kansas City, Mo.
Application August 8, 1945, Serial No. 609,591
3 Claims. (Cl. 255—4)



1. A rotary motor of the character described adapted to be attached at its upper end to a drill pipe and its lower end to a drill bit comprising, a barrel, a coupler having a head for attaching said barrel to the drill pipe, a rotor in said barrel having a head spaced from said first named head providing a fluid chamber therebetween, fluid medium in said chamber, a cam in said barrel the forward portion of said cam being cut away at each end and the rear portion extending the length of said rotor, said barrel having passages communicating with said cut away portions of the cam, said rotor having a plurality of grooves therein, blades in said grooves, means resiliently urging said blades against the wall of said barrel and cam to prevent locking of said rotor, a pinion

gear retaining ring carried by the lower end of said rotor, a ring secured to the barrel, an intermediate gear rotatably carried by said ring and meshing with the pinion gear, a ring gear engaging said intermediate gear, a hollow rotatable shaft in the lower end of said barrel, means for attaching said shaft to said ring gear, and means for passing the fluid medium from said chamber through the rotor and shaft to said bit for causing rotation of the bit.

2,473,538
LIQUID STYRENE-BUTADIENE INTERPOLYMERS
Otis R. McIntire, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application June 21, 1945, Serial No. 600,639
10 Claims. (Cl. 260—669)



1. The method which comprises heating a solely hydrocarbon mixture consisting essentially of the monomers of styrene and butadiene of which the styrene represents from 40 to 85 per cent by weight at a temperature from 235° C. to 275° C. in a closed vessel for a time sufficient to produce a viscous liquid interpolymer.

2,473,539
HIGH-FREQUENCY DRYING
Charles J. Merriam, Winnetka, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del., a corporation of Delaware
Application November 2, 1944, Serial No. 561,626
8 Claims. (Cl. 34—1)



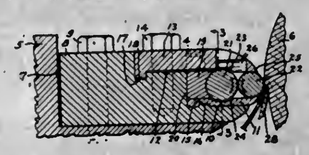
1. The method of drying moist particles of a substantially non-volatile material which comprises passing the material in unsupported concurrent flow by gravity in a gas substantially hotter than the particles, wherein the surface of the particles is dried, and supplying, at least during a latter portion of the flow in said gas, high frequency current to the particles, whereby they are internally heated to a temperature higher than that of the exteriors thereof.

2,473,540
ELECTRICAL MOTOR AND DYNAMO BRUSH
Tobias Miller, Cleveland Heights, Ohio
Application February 26, 1944, Serial No. 524,015
2 Claims. (Cl. 171—325)



1. An electrical contact member comprising a body of conducting material including compressed carbon, and a non-melting coating of amorphosed cellulose closely applied to the surface of such body.

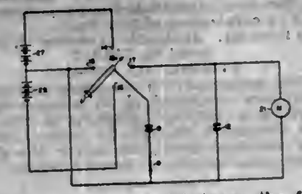
2,473,541
ROLLER PRESSURE BAR FOR VENEER LATHES
William J. Miller, Seattle, Wash., assignor to Elliott Bay Mill Co., Seattle, Wash., a corporation of Washington
Application March 31, 1947, Serial No. 738,456
2 Claims. (Cl. 144—213)



1. Roller pressure bar means for a veneer lathe comprising a roller carrying bar having a roller receiving recess; a backing roller carried by said bar; a pressure roller carried by said bar and bearing against said backing roller, said pressure roller having an exposed peripheral portion adapted to engage a log from which veneer is to be removed; and a cover portion rigid with said bar extending over both of said rollers and having openings therein for the discharge of foreign matter from the space around said rollers.

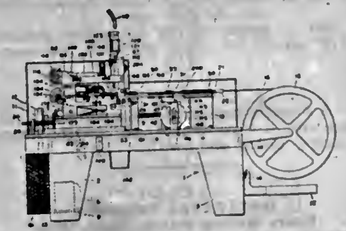
2,473,542
ELECTRIC TACHOMETER
La Verne R. Philpott, Washington, D. C.
Application February 25, 1944, Serial No. 523,957
1 Claim. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

Means for indicating the speed and direction of rotation of a body by the use of an electric circuit, which comprises a rotating shaft whose speed of rotation is proportional to the speed of the body whose speed it is desired to indicate, a switch contact arm mounted on said shaft and adapted to rotate therewith, four stationary contact points adapted to be sequentially contacted by said contact arm, a low potential voltage source having positive potential, negative potential, and mid-potential terminals, said positive and negative potential terminals being connected to opposite contact points and said mid-potential being connected to a contact point intermediate said last mentioned contact points, a series connected condenser and resistance connected between said contact arm and said mid-potential contact, and a



metering circuit connected between the fourth contact and said mid-potential point, said metering circuit being composed of a center-zero type meter and a high capacity condenser connected in parallel therewith, whereby said meter will give readings which are indicative of the speed and direction of rotation of said body.

2,473,543
APPARATUS FOR THE MANUFACTURE OF STUDS
Arthur J. Randolph, Santa Rosa, Calif.
Application July 25, 1945, Serial No. 607,072
10 Claims. (Cl. 219—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An apparatus for the manufacture of studs comprising a frame, a drive shaft mounted to rotate on said frame, means to rotate said drive shaft, means supported on said frame for carrying a supply of wire, means supported on said frame and operatively connected with said drive shaft for feeding wire intermittently from said carrying means into said apparatus, means for straightening the wire, means supported on said frame for cutting the wire to predetermined lengths including a pair of movable cutting elements operatively connected with said drive shaft, a carriage mounted adjustably on said frame, means supported on said carriage for gripping the wire periodically including a pair of movable jaws and pneumatic means operatively connected with said drive shaft for closing and opening said jaws, a disc magazine supported on said carriage, a slide mounted for reciprocating movement on said carriage to move between retracted and extended positions, spring means normally urging said slide to retracted position, means carried by said slide for releasably securing a disc in position to contact the end of wire held by said wire gripping means, means operatively connected with said drive shaft to feed discs singly from said magazine to said disc securing means, a welding electrode carried by said slide adapted to contact a disc held within said disc securing means, cam means mounted to rotate on said frame operatively connected with said drive shaft and adapted to act periodically on said slide and move the latter to extended position against the action of said spring means, the disc held within said disc securing means contacting the end of wire held by said wire gripping means when said slide is in extended position, the welding electrode and wire gripping means being electrically connected to a source of electric current of welding intensity, said disc securing means releasing the disc on the return movement of the slide, and means operatively connected with said drive shaft for removing a completed stud from the apparatus.

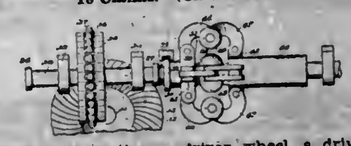
2,473,544
POLYALKYL-CYCLOHEXANOL ACRYLATES
Chessie E. Rehberg, Glenside, and Charles H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application March 29, 1946, Serial No. 658,200
6 Claims. (Cl. 260—486)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. An ester of a polyalkyl substituted cyclohexanol and an acid of the formula

$$CH_2{=}CRCOOH$$

wherein R is a member of the group consisting of hydrogen, a lower alkyl radical, and halogen.

2,473,545
VARIABLE-SPEED POWER TRANSMISSION
Graeme Reid, Essex Fells, N. J.
Application May 7, 1945, Serial No. 592,383
18 Claims. (Cl. 74—351)

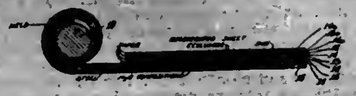


1. In combination, a driven wheel, a driving wheel with its axis disposed at right angles to and in a plane displaced from the plane of the axis of the driven wheel, said driven wheel having a plurality of cam ridges and grooves therebetween radially disposed on its surface adjacent to the periphery of the driving wheel, said driving wheel being provided with a plurality of driving studs angularly disposed about its periphery, said driving studs being adapted to move through the grooves of said driven wheel without contacting in driving relation the walls of said cam ridges upon rotation of the driving wheel, and means for axially moving said driving wheel whereupon said driving studs contact in driving relation the walls of said cam ridges of the driven wheel upon rotation of said driving wheel and impart a rotary motion to said driven wheel.

2,473,546
ALKALINE PRIMARY CELL
Samuel Ruben, New Rochelle, N. Y.
Application January 23, 1943, Serial No. 473,320
16 Claims. (Cl. 136—107)

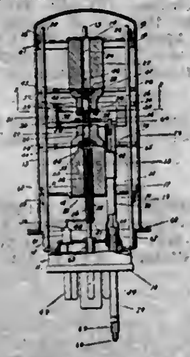
9. A primary cell comprising, in combination, a sheet zinc electrode, a sheet depolarizing electrode, a semi-permeable membrane and at least

one layer of fibrous material interposed therebetween, and an alkaline electrolyte impregnating said membrane and fibrous layer, said depolarizing electrode comprising a metal backing of a ferrous material and a depolarizing layer bonded



thereto comprising a mixture of mercuric oxide, 1 to 15% of finely divided graphite and a binder, said mercuric oxide being the active depolarizing agent and said graphite increasing the electrical conductivity of said depolarizing layer.

2,473,547
ELECTRON DISCHARGE DEVICE
Robert C. Schmidt, Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application September 28, 1945, Serial No. 619,017
4 Claims. (Cl. 250—27.5)



1. An electron-discharge device comprising: a cathode member; an anode member; said cathode and anode members being spaced to present an electron path therebetween; means within said device establishing a magnetic field in a direction transversely of said electron path; a base member; means, rising from said base member, supporting said cathode and anode members and said field-establishing means; and an envelope, hermetically sealed to said base member, and cooperable therewith to enclose said cathode and anode members and said field-establishing means; a part of said envelope constituting a part of the return path of said magnetic field.

2,473,548
POLYMERIZATION OF VINYLIDENE COMPOUNDS IN AQUEOUS EMULSION IN THE PRESENCE OF IONIZABLE SILVER COMPOUNDS AND AMMONIA
Grant W. Smith, Grand Forks, N. Dak., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 11, 1947, Serial No. 779,412
6 Claims. (Cl. 260—84)

1. The method which comprises polymerizing a monomeric vinylidene compound in an aqueous medium comprising silver ammonia complex ion and a peroxygen compound and in the absence of substantial amounts of gaseous oxygen.

2,473,549
METHOD OF POLYMERIZING VINYLIDENE COMPOUNDS IN AQUEOUS MEDIUM IN THE PRESENCE OF SILVER ION AND OXALATE ION
Grant W. Smith, Grand Forks, N. Dak., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 11, 1947, Serial No. 779,413
6 Claims. (Cl. 260—84)

1. The method which comprises polymerizing a vinylidene compound in an aqueous medium comprising a compound ionizable to yield silver ion, a compound ionizable to yield oxalate ion and a peroxygen compound, and in the absence of substantial amounts of gaseous oxygen.

2,473,550
DIRECTLY HEATED CATHODE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application August 19, 1947, Serial No. 769,348
9 Claims. (Cl. 250—27.5)



1. A directly-heated electron-emitting cathode comprising a bare compressed body of thoria, a refractory metal, and cobalt.

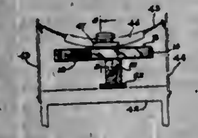
2,473,551
WALLPAPER TRIMMER
Henry Morton Stanley, Buhl, Minn.
Application December 12, 1946, Serial No. 715,751
4 Claims. (Cl. 30—136)



4. In a paper trimming device, a handle, a head attached to the handle and having a recess adapted to receive a razor blade, guide posts on the head, a cover plate attached to the head and having holes to receive the guide posts, a wheel rotatably mounted on the cover plate, and spring means to urge the wheel down when cutting paper.

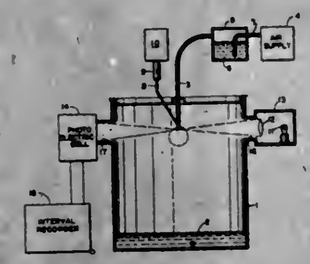
2,473,552
DEVICE FOR HEAT SEALING SEAMS
Morris Staw, Forest Hills, N. Y.
Application March 12, 1947, Serial No. 734,958
3 Claims. (Cl. 154—42)

1. In combination with a table having a flat top surface, pedestals extended vertically from the top surface of the table substantially midway between the ends thereof, a padded pressing board mounted on the upper ends of said pedestals and upon which pieces of material to be heat treated may be placed with their adjacent edges overlapped, upright members mounted on the ends of the table on diametrically opposite sides of said pressing board, a pressing cloth disposed over said



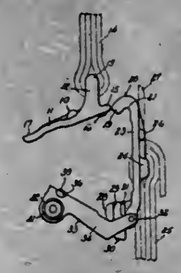
pressing board between the upper ends of said upright members, and means resiliently supporting said pressing cloth between the upper ends of said upright members, whereby an iron rested on said pressing cloth will lower said pressing cloth onto said pressing board to heat seal the adjacent edges of the pieces of material sandwiched between the adjacent faces of said pressing board and the lowered pressing cloth.

2,473,553
METHOD OF AND APPARATUS FOR MEASURING THE FILM STRENGTH OF LIQUIDS
Arthur J. Stokes, Washington, D. C.
Application January 7, 1946, Serial No. 639,679
5 Claims. (Cl. 73—53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



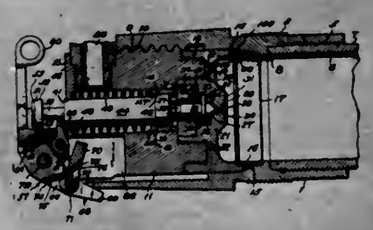
2. An apparatus for measuring the film strength of a liquid including a tank, a quantity of liquid in said tank to maintain a substantially moisture saturated atmosphere in said tank, a tube having its lower end extending into said tank, a source of air connected to said tube for maintaining a constant flow of air from said tube, means adjacent said tube for applying a measured quantity of the liquid to be tested to the end of said tube disposed in said tank, a light source, a light sensitive device, said light source and said light sensitive device being so disposed with respect to each other and the lower end of said tube that at least a portion of the illumination from said light source is directed toward said light sensitive device through a point immediately below the lower end of said tube, and means controlled by said light sensitive device operable in response to changes in energization of said light sensitive device to record the time of occurrence of such changes.

2,473,554
QUICK-RELEASE CONNECTOR FOR STRAPS AND THE LIKE
Alden Y. Warner, Farmington, and Wilbur J. Craven, East Hartford, Conn., assignors to The Capewell Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application January 2, 1947, Serial No. 719,248.
13 Claims. (Cl. 24—201)



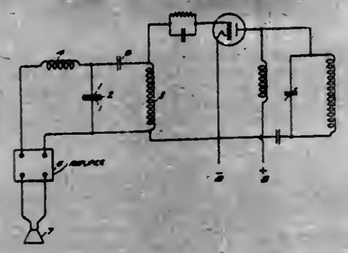
1. A quick release connector comprising two separable units, the first of said units comprising a base provided with strap attaching means and having an inwardly facing bearing at one end, the second of said units having a base adapted to seat on the base of the first unit with one end pivotally engaging the said bearing thereof, said second unit having strap attaching means spaced from the plane of its base and adjacent the pivoted end, locking means on the first unit spaced from said bearing and adapted to engage the second unit to prevent relative pivoting of said units at said bearing, and manually operable means for actuating said engaging means.

2,473,555
BREECH-LOADING MORTAR WITH OBTURATOR CASE
Saul Weiss, Washington, D. C., assignor to the United States of America as represented by the Secretary of War
Application July 24, 1947, Serial No. 763,407
11 Claims. (Cl. 89—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



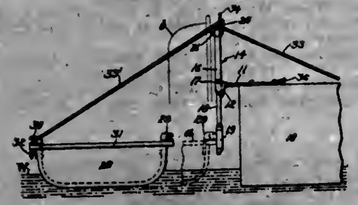
1. In a mortar, the combination of a breech ring having an anterior barrel-receiving portion, a posterior breech block-receiving portion and an intermediate tapered portion; a barrel mounted in said anterior portion; a breechblock removably mounted in said posterior portion; and an obturator case mounted on said block, having a tapered exterior surface, and seated in said intermediate portion.

2,473,556
DEVICE FOR CONTROLLING OSCILLATING CIRCUITS
Carl A. Wiley, Xenia, Ohio
Application March 15, 1943, Serial No. 479,160
6 Claims. (Cl. 332—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



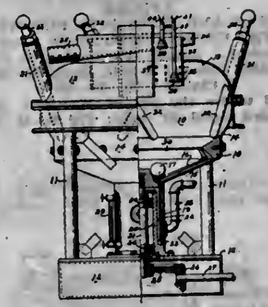
1. In a system having a first circuit with which a capacitance responsive to a voltage load variation to vary its time constant is cooperatively associated, a local loading circuit to said capacitance substantially independent of the first circuit, and control means in the last-named circuit to vary the loading on said capacitance; that improvement wherein the capacitance includes electrodes and an interposed dielectric consisting of a body of titanate substance responsive to changes in relative potentials of its electrodes by internal molecular change to vary its dielectric constant.

2,473,557
DAVIT
Morgan L. Woodruff, Waban, Mass.
Application April 28, 1947, Serial No. 744,485
8 Claims. (Cl. 9—39)



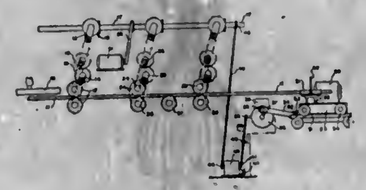
8. A davit apparatus comprising a U-shaped lever having its intermediate portion disposed horisontally and equipped with a rotatable sheave; means pivotally connecting said lever intermediate its opposite ends to a relatively large vessel to swing on an axis that is parallel with and above the level of the water supporting said vessel, said means comprising a pair of cantilever arms fixed to said vessel each of which is provided at its outer end with a fork within which the intermediate portion of one of the arms of said lever is pivotally mounted with the crotch of at least one of said forks serving as a stop to limit the movement of the lever toward an upright position, said lever being angularly adjustable on said axis to and from said upright position alongside said vessel and to and from an approximately horizontal position; a pair of horizontally spaced-apart yokes carried by the end of said lever that is lowermost when said lever occupies its upright position; a tender for said vessel provided at one side thereof with a pair of horizontally spaced-apart elements to pivotally interlock with said yokes; a cable fastened at its one end to the intermediate portion of said lever, said cable being under the control of an operator stationed upon said vessel and extending from said vessel over said sheave and being engageable with the opposite side of said tender and also operable to urge said first-mentioned side of the tender against said yokes and thereafter to roll the tender upwardly into position alongside of said lever thereby pivotally interlocking said elements with said yokes and swinging said lever into its approximately horizontal position; and cleats on said tender and vessel with which said cable is engaged to separably fasten said lever in its approximately horizontal position with the tender fixedly but separably secured thereon in an upside down position by said cable and the interlocked elements and yokes.

2,473,558
CENTRIFUGAL BALL MILL
Charles Erb Wuensch, Saratoga, Calif.
Application March 20, 1944, Serial No. 527,217
12 Claims. (Cl. 241—34)



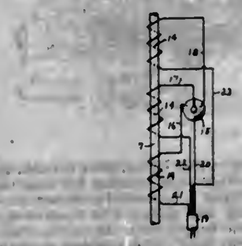
1. In an ore grinding mill, the combination of a substantially closed housing, means for introducing a material to be ground in a downwardly direction through the top of said housing, means for admitting a counter-current flow of fluid upwardly into the lower part of said housing, a centrifugally operating grinding means located at the lower part of said housing adapted to agitate and throw the material being ground therefrom by centrifugal force, deflector means above said grinding means and within said housing against which the material acted upon by said centrifugal grinding means will impinge, whereby the heavier particles of the material will be returned by gravity to said centrifugal grinding means and the finer particles will be entrained in suspension by the counter-current flow of fluid within the mill, a discharge conduit at the upper part of said housing through which the ground material entrained by the introduced fluid may flow, and density responsive means positioned within said discharge conduit for controlling the admission of new material and fluid into said housing as determined by variations in the density of the entrained material flowing from the mill through said discharge conduit.

2,473,559
APPARATUS FOR CUTTING TUBES
James L. Anderson, Chester, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 22, 1942, Serial No. 440,049
10 Claims. (Cl. 29—89)



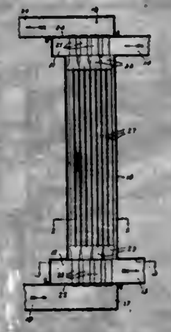
1. Tube-cutting apparatus including a flying saw, a first-class lever having a long upper arm and a shorter lower arm, said lever being movable about a fulcrum that moves lengthwise of the tube as an element of the flying saw, and the axis of which extends substantially parallel to the longitudinal axis of the tube, a tube guide supported at the upper end of the lever, a cam-follower on the lower end of the lever, and a stationary cam extending generally lengthwise of the direction of movement of the tube and having a cam slot into which the follower extends.

2,473,560
UNIT WATER HEATER
Edward S. Bagley, New Orleans, La.
Application August 29, 1946, Serial No. 693,713
1 Claim. (Cl. 219—39)



In a water heater for supplying low, medium and high heat interchangeably to water, the combination of a single water supply pipe, three separate heating coils around different portions of said pipe respectively, a four way electric switch having three contact points, an electrical cable, a wire in said cable for supplying current to said switch, a wire connecting the first contact with the first coil, a wire connecting the second contact with the second coil while the first contact is connected with the first coil, a wire connecting the third contact with the third coil while the first and second contacts are connected with the first and second coils respectively, a return wire leading from the first coil to said cable, a return wire leading from the second coil to said cable, a return wire leading from the third coil to said cable, and a faucet on the delivery end of said supply pipe in non-current relation to said switch.

2,473,561
HEAT EXCHANGER
James A. Balmer, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application July 16, 1945, Serial No. 605,264
2 Claims. (Cl. 257—224)

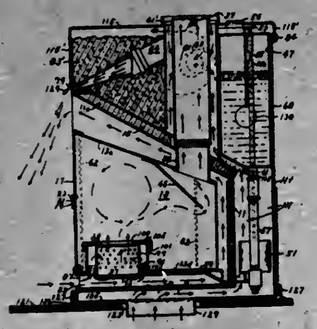


1. A heat exchanger comprising walls forming two chambers connected by a passage, means to supply fluid to one side of one chamber and to withdraw the said fluid from one side of the other chamber, a group of relatively small tubes extending longitudinally within the passage, a group of relatively large tubes located in one of the chambers and extending substantially across the same in the direction of the passage, a plurality of fittings each of which connects one of the large tubes to a plurality of the small tubes, the fittings being spaced from one another to provide ample room for the flow of the said fluid therebetween, and means to supply a second fluid for flow through the two groups of tubes in series to effect a transfer of heat from one fluid to the other.

2,473,562
HEATER UNIT AND SYSTEM
Elias B. Barnes, Elkhart, Ind.
Application September 17, 1945, Serial No. 616,771
4 Claims. (Cl. 237—50)

1. In a laterally diffusing air changer and heater, wall means forming a combustion chamber of a rectangular shape in all horizontal cross-sections, said combustion chamber having its top wall sloping upwardly from back to front, wall means forming an insulating housing of a similar shape but having larger dimensions than the chamber and disposed in enclosing spaced relation around said chamber, said housing having an air projecting port in the front, the bottom wall of said housing having a ventilating aperture for admitting fresh air to rise in the space around said chamber for receiving heat prior to projection from the open front port of the housing, a fuel burner mounted in said combustion chamber, means enclosing a space above said housing, the bottom wall of said combustion chamber having an air inlet aperture, a floor air inlet conduit connecting from said air inlet aperture through the space under the combustion chamber and opening toward the front of the housing for drawing air off of the floor of an enclosure to be heated, a stack connection opening through the top wall of the insulating housing

from the combustion chamber for discharging combustion gases, a sleeve around said stack, said sleeve being larger in diameter and having an aperture in one side, a blower and motor mounted in the space above the housing with the blower intake port spaced slightly from said aperture in the sleeve for drawing air from the space above said housing, an air flow restricting cover fitting over said housing around said stack and sleeve for enclosing said space to cause inflowing air to



flow from said sleeve to said blower while the loosely coupled relation between the blower and the sleeve aperture causes a portion of cool fresh air to flow around said motor, conduit means connecting from the discharge side of said blower, a nozzle connected to said air conduit means, deflector means adjacent said nozzle, and said nozzle and deflector means being suitably shaped and positioned above the open side of said housing for projecting a sheet of air so as to deflect the heated air laterally and downwardly.

2,473,563

PREPARATION OF MANGANESE DIOXIDE

Maurice Beja and René Albert Loisy, Salindres, France, assignors to Compagnie de Produits Chimiques et Electrometallurgiques Alais Froges et Camargue, Paris, France, a joint-stock corporation of France

No Drawing. Application April 2, 1946, Serial No. 659,130. In France March 6, 1944

2 Claims. (Cl. 23—145)

1. A method of producing depolarizing manganese dioxide which comprises starting from a manganese dioxide of low depolarizing power, reducing this dioxide by heating into at least one manganese oxide containing a proportion of oxygen lower than that existing in manganese dioxide and higher than that existing in bivalent manganese oxide, forming an aqueous suspension of the manganese oxide thus obtained, and treating this suspension with gaseous chlorine.

2,473,564

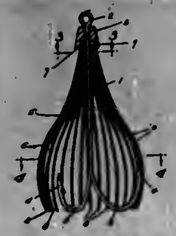
WEEDLESS FISHHOOK

Julius Bergren, Minneapolis, Minn., assignor to Joseph A. Bousquet

Application July 13, 1946, Serial No. 683,383

2 Claims. (Cl. 43—42.3)

1. In a device of the class described, an elongated shank terminating in an eye at one end and a plurality of circumferentially-spaced radially-extended hooks at the other end, and a plurality of resilient weed-deflecting fingers operatively anchored to said shank adjacent said eye, said fingers diverging outwardly with respect



to the shank to a point intermediate their ends to collectively form a protective cage radially outwardly of the points of the hooks, the free ends of said fingers extending axially beyond the barbs and conforming substantially to the contour of the hooks.

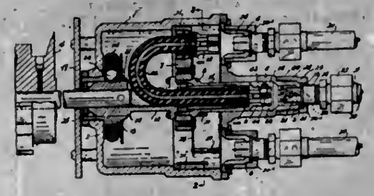
2,473,565

SWITCH

James Raymond Bird, Chagrin Falls, Ohio, assignor to Bird Electronic Corporation, Cleveland, Ohio

Application October 9, 1946, Serial No. 702,303

5 Claims. (Cl. 200—4)



1. A coaxial cable switch comprising a housing, a rotor mounted within said housing for rotative movement about a fixed axis, spaced members carried by said housing and adapted to receive the ends of coaxial cable connectors, coaxial conductor means carried by said rotor connecting said spaced members, said coaxial conductor means being of uniform cross-section throughout and so arranged as to maintain through the switch the characteristic impedance of the coaxial cables attached thereto and means to rotate the rotor and move it axially.

2,473,566

SELF-REVERSING POWER JACK

Bryan Brassell, Santa Rosa, N. Mex.

Application April 4, 1946, Serial No. 659,595

18 Claims. (Cl. 74—25)

1. In mechanism for converting rotary motion to reciprocating linear motion, the combination which includes, motion converting means comprising at least two engaging threaded members mounted for relative rotation and co-action to produce linear displacement of one of them, gearing means connective with said threaded members

for transmitting opposite driving rotation to the same to direct the displacement, and means con-



trolled by movement of said member to reverse the direction of rotation of both said members.

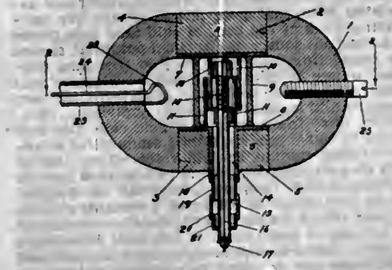
2,473,567

ELECTRONIC DISCHARGE DEVICE

William C. Brown, Lincoln, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application March 20, 1945, Serial No. 583,787

9 Claims. (Cl. 250—27.5)



1. An electronic discharge device for generating ultra-high frequency oscillations comprising an evacuated envelope, a cathode and a plurality of anode elements enclosed in said envelope, a hollow body of magnetic material defining an enclosed space surrounding said envelope and completing oscillatory circuits between said anode elements, said hollow body imposing a magnetic field extending transversely to the direction of electron flow through the space between said cathode and said anode elements, and means in the space surrounding said envelope for tuning said oscillatory circuits.

2,473,568

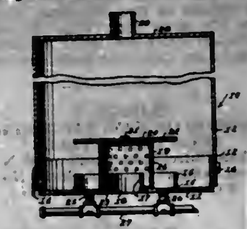
TRAY TYPE LIQUID FUEL BURNER

Kyle C. Caldwell, Knoxville, Tenn.

Application January 12, 1948, Serial No. 1,792

1 Claim. (Cl. 126—93)

An oil burner of the type described, comprising a circular heating plate, an upstanding flange on said plate, a heat jacket engaging said flange, means for removably securing said jacket to said flange, a central air intake opening in said plate, an oil ring surrounding said opening, a mixing tube having a closed top and open bottom surrounding said oil ring in spaced relation thereto and resting on said plate, an outer oil ring surrounding and spaced from said mixing tube, fuel oil inlet pipes connected to said plate intermediate said mixing tube and said outer oil ring, a de-



flector plate secured to and overlying the top of said mixing tube, staggered rows of air and gas mixture outlet openings in said mixing tube and said mixing tube being scalloped on the bottom edge to permit inward flow thereunder of some of the oil from the inlet pipes.

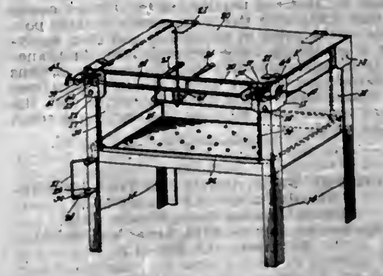
2,473,569

PORTABLE HEAT-ADJUSTING CHARCOAL STOVE

Don T. Cast, Columbus, Ohio

Application August 18, 1947, Serial No. 769,186

5 Claims. (Cl. 126—9)



1. A portable heat adjusting charcoal stove comprising a frame, corner pieces attached to said frame, pairs of legs pivoted to said corner pieces and adapted to fold beneath the frame one pair within the other, a vertically adjustable fuel pan slidably mounted beneath said frame and adapted to be moved upwardly thereagainst prior to the infolding of said pairs of legs, a top plate hinged to said frame at its rear edge and having a handle extending from its forward edge, said handle having a cross-bar and angularly offset portions, and a second cooperating handle swivelly carried by one of the legs of the last mentioned folded pair of legs adapted to be swung over the first mentioned handle and seat behind said angularly offset portions when said last mentioned pair of legs is folded whereby the stove as a compact unit may be carried by one handle.

5. A portable heat-adjusting charcoal stove comprising a stove top, pairs of legs pivoted to said stove top for supporting said stove top and being foldable one pair within the other, a fuel pan movable up and down between said legs, flexible connections for supporting said fuel pan, a shaft having sections upon which said flexible connec-

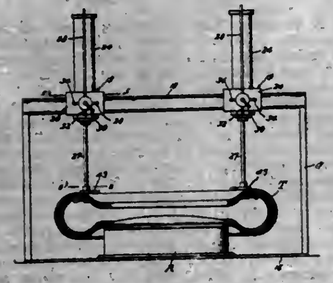
tions are wound, bearing supports on the stove for rotatably receiving said shaft, said shaft being slidable axially through said bearing supports, a crank handle for rotating said shaft, a stationary keeper supported by said stove in position to be engaged by said crank handle when said shaft is shifted axially in one direction, and casings carried by the stove top along the side edges thereof through which certain of the flexible connections move on their way from the pan to the shaft.

2,473,570
METHOD OF MANUFACTURING ATTACHMENT PLUGS
Nathan Chireistein, Maplewood, N. J.
Application January 22, 1946, Serial No. 642,729
3 Claims. (Cl. 29—155.55)



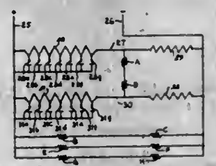
1. The herein disclosed method of manufacturing electrical attachment plugs which comprises providing an insulating cap having a central cord passage and longitudinally extending blade-receiving seats at opposite sides of the same and contact blades having straight, flat end portions of greater transverse width than the transverse width of said seats, transversely buckling said greater-width end portions of the blades to less overall transverse width than the transverse width of said seats, entering said transversely reduced buckled end portions of two blades loosely in said seats with the transversely buckled portions of the same in opposition and then applying a spreading force between and simultaneously to said oppositely disposed bowed portions to flatten and thereby spread said bowed portions to substantially the original flat width with the edges transversely gripping the transverse edges of the seats.

2,473,571
FLUID PRESSURE ACTUATED TIRE MOUNTING OR DEMOUNTING DEVICE
Milford Marcluse Cook, Visalia, Calif.
Application July 24, 1945, Serial No. 606,734
2 Claims. (Cl. 157—1.2)



1. A tire-mounting and removing device which includes a platform, a pair of spaced standards at opposite sides of the platform, a tire and rim assembly support on the platform between the standards, a pair of spaced parallel horizontally disposed guide beams supported by the standards adjacent their upper ends, a pair of carriages movable along the guide beams, a cylinder and piston assembly carried by each carriage, each such latter assembly having its piston rod operable downwardly between the guide beams, and feet on the lower ends of the piston rods adapted to be advanced or retracted with relation to the tire assembly support according to the direction of movement of the pistons.

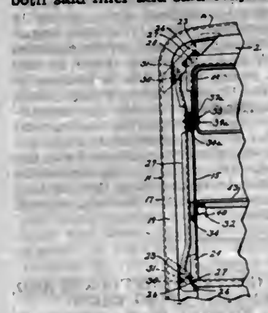
2,473,572
MAGNETIC SERVO OPERATOR
Nelson D. Cooper, Mariemont, and Eugene A. Euchty, Norwood, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application December 11, 1946, Serial No. 715,360
5 Claims. (Cl. 318—25)



3. A magnetic servo operator comprising a frame, a rock shaft journaled in said frame, a rotor fixed on said rock shaft, a series of pole pieces, field coils around said pole pieces, pole pieces on said rotor, field coils on said rotor associated with said pole pieces, means for connecting some of the coils of said field pole pieces to a constant source of electrical potential, means for connecting said rotor coils to the same constant source of electrical potential whereby said rotor is normally held in a predetermined zero position, and means for variably applying electromotive force to other of said field coils and pole pieces to cause predetermined amounts of angular rocking motion in said rotor either side of said zero position comprising two pairs of serially interconnected resistors connected in parallel across said source of potential, a variable resistor contact device for each of the resistors connected to one side of said source of potential including a series of contacts connected to said one side and simultaneously operated to progressively engage said contacts to increase one of said resistors while decreasing the other of said resistors and means for connecting said other field coils across said pairs of resistors at points between the resistors of each pair.

2,473,573
REFRIGERATOR LINER SUPPORT
George E. Curtiss, Jr., Penn Wynne, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 10, 1946, Serial No. 660,976
4 Claims. (Cl. 62—89)

1. A refrigerator cabinet construction comprising a substantially rectangular open front casing, a substantially rectangular open front inner food compartment liner disposed within said casing in spaced relation therewith, an evaporator disposed within said liner, a support positioned in each corner of said casing, means for securing the corner portions of said liner to said members in thermally non-conductive relation therewith, liner support means carried by said members, and apparatus connecting said support means in thermally non-conductive relation with both said liner and said evaporator for supporting said liner and said evaporator within said shell.



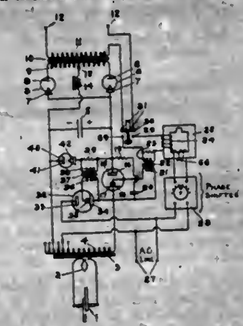
2,473,574
ROLLING TOY
Joseph Davis, Arlington, N. J., assignor to Joseph Davis Plastics Co., Arlington, N. J., a corporation of New Jersey
Application January 15, 1948, Serial No. 2,501
4 Claims. (Cl. 46—49)



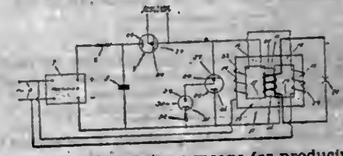
1. A roll toy comprising a closed hollow transparent shell body having oppositely disposed internally concave ends therein, a longitudinally and axially balanced rotor having ends of relatively small diameter, said rotor being of substantially less mass than the shell body, and of less length than the maximum axis line between said oppositely disposed concave ends so as to have its small diameter ends rest within and freely roll on said oppositely disposed concave ends below said maximum axis line, the maximum radius of said rotor at any point between its ends being less than the distance from its axis to the shell body at that point so as to permit the rotor to freely rotate, said rotor including colored vanes secured thereto and visible through the transparent shell body, said shell body including means upon which it can roll about said maximum axis line whereby said shell body may be rolled to cause visible rotation of the rotor at a greater rate of rotation than said shell body.

2,473,575
RESISTANCE WELDING SYSTEM
John W. Dawson, Auburndale, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 21, 1940, Serial No. 320,079
25 Claims. (Cl. 219—4)

1. A welding system comprising an electrical energy storage device, means for supplying storage energy to said storage device, a welding load, means for discharging the energy stored in said storage device into said load, a source of power capable of supplying energy to said load without substantial effect on the voltage of said source, and means for connecting said source to said load upon substantial discharge of said storage device.



2,473,576
WELDING SYSTEM
John W. Dawson, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 2, 1945, Serial No. 597,249
6 Claims. (Cl. 323—58)

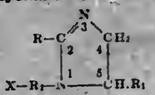


1. In a welding system: means for producing a current pulse having a substantial direct-current component; a load circuit adapted to be energized by said current pulse; said load circuit including a transformer having a core comprising a frame portion, and a shunt portion bridging said frame portion whereby said core defines a plurality of magnetic paths; said shunt portion being provided with a primary winding connected across said current-producing means to establish unidirectional fluxes through magnetic paths including said shunt portion and said frame portion and a secondary winding superimposed on said primary winding and adapted to be connected across a resistance-welding load; said frame portion being provided with a tertiary winding adapted to be connected across a source of alternating current to establish alternating fluxes through magnetc paths including said frame portion but excluding said shunt portion.

2,473,577
CARBONIC ACID AMIDES OF CERTAIN SUBSTITUTED GLYOXALIDINES
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application May 28, 1945, Serial No. 596,393
8 Claims. (Cl. 260—309.6)

1. A member of the class of compounds consisting of substituted carbamyl compounds con-

taining at least 2 glyoxalidine radicals; said glyoxalidine radicals being the radical of a 1,2-disubstituted glyoxalidine of the structure



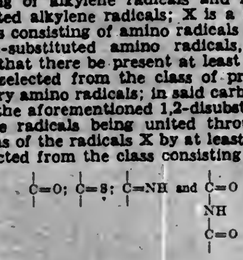
wherein



is the residue of the acyl radical RCO of a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms; in which the residue



is obtained by elimination of the carbonyl oxygen atom from the acyl radical RCO; R_1 is a member of the class consisting of hydrogen atoms and lower alkyl radicals; R_2 is a member of the class consisting of alkylene radicals and lower alkyl substituted alkylene radicals; X is a member of the class consisting of amino radicals and amino alkylene-substituted amino radicals, with the proviso that there be present at least one amino radical selected from the class of primary and secondary amino radicals; in said carbamyl compound, the aforementioned 1,2-disubstituted glyoxalidine radicals being united through amino nitrogens of the radicals X by at least one member selected from the class consisting of the



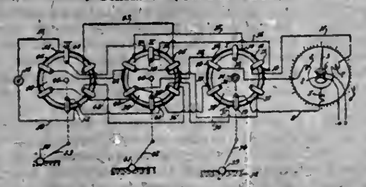
radicals.

2,473,578

TOTALIZER

Abraham Edelman, New York, N. Y., assignor to The Liquidometer Corporation, Long Island City, N. Y., a corporation of Delaware

Application April 3, 1945, Serial No. 586,410
7 Claims. (Cl. 177—351)



1. An electrical telemetering system for setting a single receiving instrument in accordance with the total of a plurality of individual physical magnitudes which are respectively arranged to control the positions of movable members of transmitters, comprising a plurality of transmitters connected to be responsive to said physical magnitudes respectively, each of said transmitters including an electrically endless resistance, and a member having a plurality of electrically separate contactors engaging predetermined different points along said resistance, means for relatively moving said resistance and said contactors in accordance with the physical magnitude arranged for controlling each of said transmitters respectively, said transmitters being arranged in a series from a first transmitter to a last transmitter, a source of E. M. F. electrically connected to predetermined points of the resistance of one of said transmitters, a plurality of electrical connections from each of said transmitters to the next in said series, said connections extending between said contactors of one of said transmitters and points along the resistance of the next transmitter in said series, which points are located at positions respectively corresponding to said contactors; a receiving instrument having a rotor and at least three stationary deflecting coils; and electrical connections from the last transmitter of said series to said deflecting coils of said receiver for controlling the position of said rotor in accordance with the total of said physical magnitudes.

2,473,579

FOAMING-TYPE GALVANIZING FLUXES AND PROCESSES EMPLOYING THEM

Lowell D. Eubank, Richland, Wash., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 4, 1945, Serial No. 571,374
10 Claims. (Cl. 148—23)

1. A foaming-type galvanizing flux comprising a fluxing agent, selected from the group consisting of ammonium chloride and zinc ammonium chloride, and from 0.1 to 1.0% by weight of an organic compound having from one to two aromatic, carbocyclic, 6-membered rings directly joined to two carbonyl substituent groups.

2,473,580

FOAMING GALVANIZING FLUXES AND PROCESSES EMPLOYING THEM

Lowell D. Eubank, Richland, Wash., and Charles J. Krister, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 11, 1945, Serial No. 572,420
10 Claims. (Cl. 148—23)

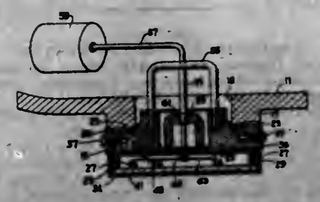
1. A foaming-type galvanizing flux comprising a fluxing agent, selected from the group consisting of ammonium chloride and zinc ammonium chloride, and from 0.1 to 1.0% by weight of an organic compound having an aromatic, carbocyclic, 6-membered ring to which are directly joined from 2 to 3 substituents selected from the group consisting of hydroxy, amine, and amine-substituted phenyl groups.

2,473,581

INDICATING INSTRUMENT WITH MAGNETIC DRIVE

George E. Ford, Brighton, N. Y.

Application December 4, 1945, Serial No. 632,663
9 Claims. (Cl. 177—327)



2. An indicating instrument including a relatively thick base member having a plurality of

openings therethrough near the margins thereof and having an imperforate central portion, said openings each having a larger diameter at its front than at its rear end and being adapted to receive screw threaded fastening elements inserted from the front of said base member for mounting said member on a support, magnetic driving means mounted on said base member on the rear of said imperforate portion, a case member removably mounted in front of said base member, a transparent plate positioned in front of said case member, magnetically responsive indicating means mounted within said case member, and a bezel surrounding and retaining said transparent plate and case member, said case member and bezel together overlying and hiding said openings, said bezel having portions extending rearwardly in external overlapping and embracing relation to the lateral edges of said thick base member to support said bezel from said base member.

2,473,582

CARTON FOR RADIO TUBES AND THE LIKE

Vernon D. Goodwin, Floral Park, N. Y., assignor to Sylvania Electric Products Inc., Emporium, Pa., a corporation of Massachusetts

Application June 18, 1946, Serial No. 677,491
1 Claim. (Cl. 229—6)



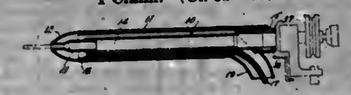
A blank for forming a holder of the type described comprising a single elongated oblong strip of cardboard which has a pair of parallel folding crease lines extending transversely of the strip determining the length of one side wall of the finished holder, the portion of the strip between one of said crease lines and the shortest end of the strip being provided with a transverse folding crease line dividing said portion into two panels, the first of which forms the end wall of the finished holder and the second or end panel forms a part of the other side wall of said finished holder, said end panel being provided with a tongue at its extreme end for locking with a corresponding slit and with a gummed portion near its folding crease line for gluing with the other end of said blank, the strip at the other end of said crease lines being divided into six panels by five transverse crease lines with the first, third and fifth panels of substantially the same length as the panel forming the end wall of the finished holder, the combined length of panels 2, 4 and 6 being substantially equal to that of the side wall of the finished holder, said fourth panel being provided with a gummed surface for gluing to said first named side wall of the finished holder, said second and third and fifth and sixth panels being provided with substantially symmetrical, longitudinal slits which when pushed out form cradling straps in the finished holder, said straps being provided with transverse lines to facilitate pushing out and shaping of said straps, said end panel having a length greater than the combined length of said fourth and sixth panels whereby the tongue in the finished holder will lock in the slits provided in the second and third panels.

2,473,583

DENTAL DRILL

Max Francis Grögl, Barranquilla, Colombia
Application August 14, 1947, Serial No. 768,551
In France August 14, 1946

1 Claim. (Cl. 32—28)



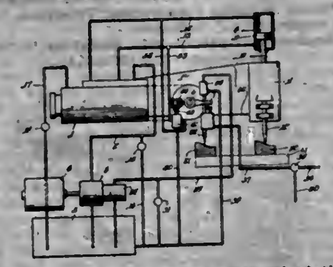
A removable attachment for a dental handpiece, comprising an inner tubular casing, an outer tubular casing concentric with the inner casing and spaced therefrom, an outer protecting sleeve mounted on the outer tubular casing, a tapered cap mounted on the lower end of the outer tubular casing, an inner tubular chuck connecting the lower end of the inner casing with the lower end of the cap, thereby providing an expansion chamber in the lower end of the attachment, a connector for spacing the upper ends of said outer and inner casings and providing means for connecting the attachment to the handpiece, said outer casing having a return connection adjacent the upper end thereof, and a refrigerant supply tube positioned between the inner and outer casings, whereby a refrigerant may be conveyed through the supply tube into the expansion chamber at the lower end of the attachment, and said refrigerant may be withdrawn, after expanding, through the return connection adjacent the upper end of the attachment.

2,473,584

TRACER MECHANISM FOR MACHINE TOOLS

Elmer E. Hallberg and Joseph C. Verstynen, Rockford, Ill., assignors to Rockford Machine Tool Company, Rockford, Ill., a corporation of Illinois

Application November 3, 1944, Serial No. 561,762
14 Claims. (Cl. 90—24.3)



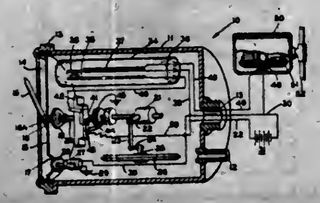
1. In a machine tool having a pair of relatively movable slides with a tool and tracer carried by one slide and a work-piece and pattern carried by the other slide, a cylinder and piston device operable to move the tool slide toward and from the work, a valve with conduits leading therefrom to opposite ends of the cylinder, respectively, said valve being movable in response to the tracer in either direction from a neutral position for directing pressure fluid selectively to one end of the cylinder or to its opposite end, by-pass means operable automatically to reduce the effective pressure applied to the cylinder, and means connected to the tracer-operated valve effective to actuate said by-pass means when the movement of the tracer-operated valve exceeds a predetermined range from its neutral position.

2,473,585
SALT AND PEPPER SHAKER
Ray D. Harwood, Elkhart, Ind.
Application February 9, 1946, Serial No. 646,635
6 Claims. (Cl. 65—45)



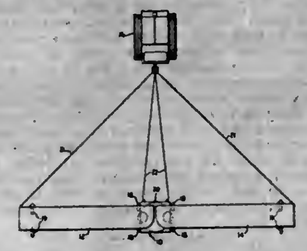
5. A dispensing device for dispensing separately salt and pepper or the like comprising, in combination, a hollow holder for salt, a hollow holder for pepper, the pepper holder being carried by wall means of the salt holder and being adapted to be reciprocated therein, cooperating passageways in the holder members which, when in alignment, permit salt to be dispensed therethrough to the exterior of the device, and another passageway in the pepper holder for dispensing pepper, said other passageway being blocked by said wall means when the two holders are aligned in salt dispensing position, and said pepper holder being slidable to a pepper dispensing position wherein said other passageway is unblocked from said wall means of the salt holder and the passageway of the salt holder is blocked by the wall of the pepper holder.

2,473,586
CABIN ALTITUDE AND OXYGEN USE INDICATOR
Norman F. Hosford, Towaco, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application April 13, 1946, Serial No. 20,783
10 Claims. (Cl. 177—311)



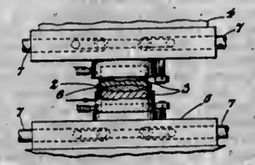
2. An oxygen requirement indicator for use with an oxygen regulator, comprising a pressure responsive member subjected to the ambient pressure of an aircraft cabin, a dial, a pointer cooperating with said dial and driven by said member to indicate cabin pressure, a switch operable by said member when the cabin pressure reaches a predetermined value, a warning signal operable upon operation of said switch, a blinker switch intermittently operable by the flow of oxygen through the regulator to extinguish said signal, and a second switch operable at a lower predetermined pressure by said member to operate said warning signal despite the operation of said blinker switch.

2,473,587
HARVESTER FOR PACKING LETTUCE, CABBAGE, CELERY, AND THE LIKE
Charles E. Huston, San Marino, Calif.
Application November 26, 1946, Serial No. 712,302
9 Claims. (Cl. 214—83.1)



1. A packer for crops comprising a wheeled vehicle, elongated horizontal wings having one end of each pivotally secured to the vehicle, said wings having packing positions extended end to end laterally from the vehicle and wheeled supports adapted to support the wings in the furrows, said wings having inoperative parallel positions extending behind the vehicle adapted to facilitate transportation of the packer on a highway.

2,473,588
METHOD OF MOLDING LENSES AND LIKE OPTICAL ELEMENTS
John Johnson, Slough, England, assignor to Combined Optical Industries Limited, Slough, England, a British company
Application November 23, 1944, Serial No. 564,734
In Great Britain September 6, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 6, 1963
2 Claims. (Cl. 18—47.5)



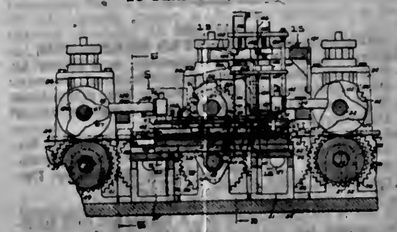
1. The method of moulding optical elements of varying thickness from transparent organic thermoplastic materials, which comprises removing material from a blank of such material by mechanical operations to preform it to a shape closely approximating that which the finished element is to have, subjecting the same for a short period to the application of heat approximately uniformly over the whole surface thereof at a temperature in excess of the temperature at which such material softens and will flow under pressure, so as to soften the outer layer only of the blank to a substantially uniform thickness, while leaving the remainder of the blank below such softening temperature, such remainder being of a non-uniform thickness which in parts is considerably greater than the thickness of said surface layer, moulding the blank between optically-accurate dies and abstracting heat from the moulded element, approximately uniformly over the whole moulded surface thereof, to cool the same under pressure, to cause the same to set.

2,473,589
HEATING AND COOLING SYSTEM FOR HORTICULTURAL HOUSES AND CLOCHES
Eric Goddard Johnson, Spalding, England
Application May 31, 1945, Serial No. 596,957
In Great Britain June 9, 1944
3 Claims. (Cl. 219—39)



1. A combined heating and cooling system for the air in a horticultural enclosure, comprising a panel and means for supporting the same in the upper part of such an enclosure, a casing above said panel adapted to project to form an air intake, an electric motor on said panel, a fan on the shaft of said motor, an electric heater, means for supplying electric current to said motor and said heater, and thermostatic controlling means having electrical contacts for completing an electrical circuit including said motor and heater, said thermostatic controlling means normally maintaining said circuit open and adapted to switch both said heater and said motor into circuit when the temperature in said enclosure falls below a predetermined lower level, a valve and electro-magnetic means for operating the same for controlling the entry of external air through said casing, and a second thermostatic controlling means having electrical contacts for completing an electrical circuit including said motor and electro-magnetic means, said second controlling means normally maintaining said circuit open and adapted to operate to close the circuit of said motor and said electro-magnetic valve controlling means, when the temperature in said enclosure exceeds a certain higher level, whereby, when the temperature in said enclosure falls below said predetermined lower level, said heater and said fan are operated to circulate warmed air, and, when the temperature in said enclosure exceeds said higher level, the fan is operated to circulate air from outside within said enclosure.

2,473,590
METHOD AND APPARATUS FOR ASSEMBLING PARTS
Homer G. Kellogg, Highland Park, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application November 18, 1946, Serial No. 710,525
13 Claims. (Cl. 1—1)



1. An assembly fixture comprising means for advancing stock along a predetermined path of travel, a punch supported to one side of the path of travel of the stock for movement toward and away from the stock, a rivet carrying part movable relative to the punch in the direction of advancement of the stock to register a rivet with the punch, means operating in timed relation to movement of the rivet carrying member to advance both said member and punch at the same rate as the stock, and means operable during advancement of the punch and member with the stock to move the punch in a direction to force the rivet through the stock.

2,473,591
VALVE
Frederick Edward Killner, Cheltenham, England, assignor to Dowty Equipment Limited, Cheltenham, England
Application November 16, 1943, Serial No. 510,502
In Great Britain November 17, 1942
3 Claims. (Cl. 251—144)

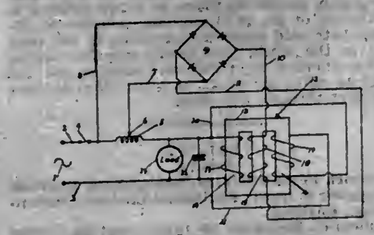


3. Valve insides comprising a axially bored body formed for removable securement within a valve stem, its bore terminating at its inner end in an inwardly directed cup defining generally cylindrical walls constituting a valve seat, but flared at its entrance, and defining also an inwardly facing annular shoulder, a valve spindle of a length to project entirely through and loosely guided within the bore, and shouldered at its inner end to seat upon said shoulder of the bore's cup, stop means formed as spacers intermediate and to limit approach of said two shoulders, for access of pressure to the entire area of the spindle's shoulder, resilient means biasing said spindle shoulder towards the cup's shoulder, and an elongated annular valve of resiliently compressible material received upon said spindle, inwardly of the latter's shoulder, of radial dimensions somewhat exceeding those of the inside valve seat area of the cup, whereby as it enters and seats with increasing peripheral area upon the walls of the cup, it is increasingly compressed therewithin.

2,473,592
ALTERNATING CURRENT PULSER CIRCUIT
Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 25, 1946, Serial No. 643,422
4 Claims. (Cl. 323—89)

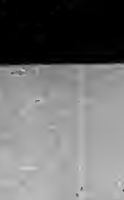
1. An alternating current pulser, comprising a source of alternating current, capacitive means connected across said source, a saturable-core reactor having a control winding and an alternating current winding, means connecting said alternating current winding across said source,

said capacitive means and the inductance of said alternating current winding constituting a parallel circuit resonant at the frequency of said source when the core of said reactor is substantially saturated and said circuit being capable of



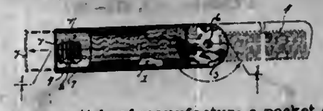
being brought into and out of resonance by variation of the current flowing through said control winding, an impedance connected in series with said parallel circuit, and means responsive to the current flowing through said impedance for supplying control current to said control winding.

2,473,593
NECKTIE AND HOLDER ASSEMBLY
Kenneth A. Lambrechts, St. Louis, Mo.
Application April 4, 1947, Serial No. 739,295
2 Claims. (Cl. 2—153)



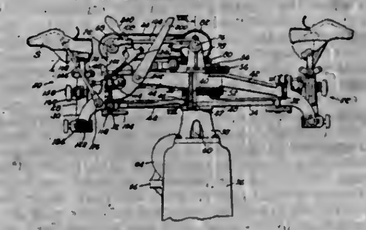
2. A necktie and holder assembly in which the holder and the necktie each consist of two separate parts, the two parts of said holder being of similar inverted, truncated conical conformation and adapted to be engaged one within the other, the outer of said parts having a longitudinal cut-out portion and inwardly extending flanges at the edges of said cut-out portion, the inner of said parts being bent longitudinally to provide an outer section and an element parallel therewith, said outer section and said element being spaced apart, said inner part of said holder having an opening in registration with the cut-out portion of said outer part and an extension across said opening, one part of said necktie being shaped to conform to the outer surface of the outer part of said holder and having its ends in engagement with the flanges of said outer part, the other part of said necktie having a wide and a narrow portion and an offset separating said wide and narrow portions, some of the wide portion of said tie being gripped between the outer and inner parts of said holder and some of the narrow portion of said tie being gripped between the outer section and parallel element of the inner part of said holder, the entire assembly being held in gripping engagement by said flanges so that said holder and the portions of the necktie engaged therewith comprise the knot of the completed tie.

2,473,594
COMBINATION COMB AND TOILET ARTICLE HOLDER
Charles T. La Mont, Milwaukee, Wis.
Application June 23, 1947, Serial No. 756,441
1 Claim. (Cl. 132—15)



As a new article of manufacture a pocket comb or the like, comprising an elongated one piece sheet longitudinally folded upon itself to form an open sided shield, a compartment above the shield having an open mouth at one end, a comb or like article pivoted to one end of the shield, and a friction controlled cover for engaging the mouth of said compartment, the same being adapted to house various toilet articles.

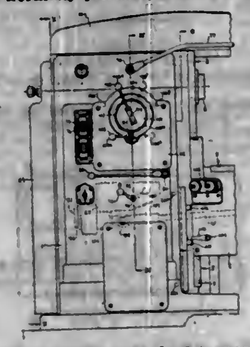
2,473,595
TURRET TYPE LAST PULLING AND RELASTING MACHINE
John T. Lancaster, Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 17, 1947, Serial No. 780,381
17 Claims. (Cl. 12—18)



4. In a machine for use in the manufacture of shoes, the combination of a last support movable through a plurality of operating stations, means for moving the last support through said stations, a driven tool at one of said stations operable when driven in one direction to delast a shoe and when driven in the opposite direction to relast a shoe, and means for reversing the direction of drive of said tool to enable a shoe on a last first to be delasted and then, after being carried loose on the last to another station for further operation and returned loose on the last to the station adjacent to the tool, to be relasted.

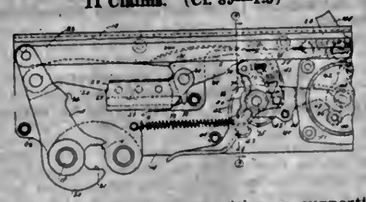
2,473,596
MILLING MACHINE FEED MECHANISM
Richard K. Le Blond, Cincinnati, and Harry C. Kemper, Goshen Township, Clermont County, Ohio, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio, a corporation of Delaware
Original application October 14, 1941, Serial No. 414,962, now Patent No. 2,333,121, dated January 4, 1944. Divided and this application December 18, 1943, Serial No. 514,760
9 Claims. (Cl. 90—21)

1. In a milling machine, a rotatable tool spindle, means for driving said tool spindle, spindle clutch means for connecting or disconnecting said driving means relative to said tool spindle, a feed driving transmission constantly driven by said means for driving said tool spindle, work feeding devices adapted to be driven by said change feed transmission, an overload clutch device having a member normally yieldably held in a position to



interconnect said change feed transmission and said work feeding devices, and means for simultaneously disconnecting said spindle clutch means from said tool spindle and actuating said overload clutch device member to disconnect said feed transmission from said work feeding devices.

2,473,597
BOMB SHACKLE AND RELEASE
George H. Leland, Dayton, Ohio
Application September 27, 1945, Serial No. 618,823
11 Claims. (Cl. 89—1.5)



1. A bomb shackle comprising a supporting structure, bomb supporting elements mounted on said structure for movement into and out of supporting positions, means including a movable member for locking said supporting elements in supporting positions, a releasing device to retain said movable member in locking position, spring means for moving said releasing device to releasing position, an arm connected with said releasing device to move the same against action of said spring means to locking position, a retaining member to engage said arm and hold said releasing device against movement by said spring means, and electrically controlled means to move said retaining member out of engagement with said arm and thus permit the movement of said releasing device by said spring means.

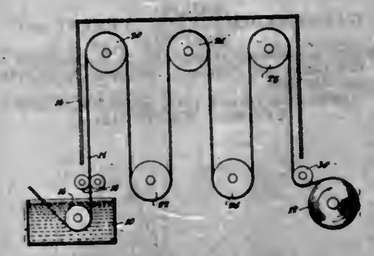
2,473,598
FABRICATED ROTARY SOLENOID
George H. Leland, Dayton, Ohio
Application December 3, 1945, Serial No. 632,530
1 Claim. (Cl. 175—326)

In a rotary solenoid, a casing comprising a circumferential wall, a front wall rigid with said circumferential wall, and a rear wall having a pressed fit in said circumferential wall and having an axial opening, a sleeve mounted in and having a pressed fit in the opening in said rear wall, disks mounted on said sleeve and having a pressed fit thereon, said disks and said rear wall constituting a core, a shaft rotatably mounted in said sleeve and extending forwardly beyond the same, an armature comprising disks mounted on and having a pressed fit on said shaft, a plate



rigidly mounted on said shaft in opposed relation to said front wall, a magnetizing coil mounted in said casing about said core to energize the latter and impart axial movement to said armature, means interposed between said plate and said front wall and controlled by the axial movement of said plate by said armature to impart rotary movement to said armature, and means for rotating said shaft and said armature in a reverse direction when said core is deenergized.

2,473,599
CHANGE OF DIRECTION ROLLERS
Robert A. Liebel, Allentown, Pa.
Application January 12, 1946, Serial No. 640,805
4 Claims. (Cl. 74—241)



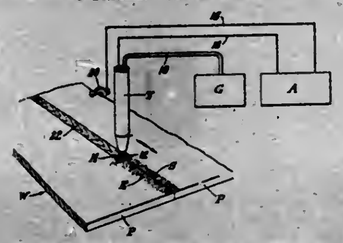
1. The change of direction assembly comprising two supporting rollers for strip material to be passed and flexed continuously thereover, a narrow face on each roller, guide members for restricting lateral movement of the strip, means mounting the rollers rotatably on the same axis and at a distance apart of the faces of the rollers approximately equal to the width of the strip material to be sent thereover so that an edge of the strip material normally rests upon each of the faces, the said guide members being flanges extending from the outer ends of the supporting rollers and each of the said faces having a tapered portion that slopes inwardly on the edge of the face remote from the said flange and serves as a guide and remounting member so as to return the edge of the strip material to the part of the face of the roller of full diameter when the material is temporarily disengaged from the face.

2,473,600

COATING WORK WITH AN ELECTRON-EMISSIVE MATERIAL TO IMPROVE INERT GAS-SHIELDED REFRACTORY-ELECTRODE ALTERNATING CURRENT ARC WELDING

Roscoe R. Lobosco, Elizabeth, N. J., assignor to The Linde Air Products Company, a corporation of Ohio

Application July 26, 1945, Serial No. 607,219
5 Claims. (Cl. 219—10)



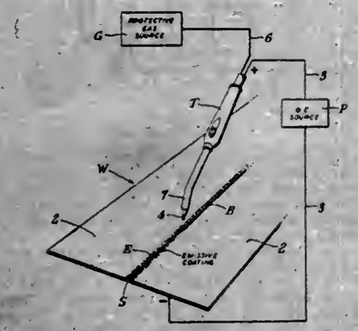
1. A method of welding metal without flux which comprises coating the work to be welded with an electron emissive material composed of an alkaline earth metal, positioning a substantially non-consumable electrode adjacent such work, surrounding the electrode and the space between said electrode and the work and the zone to be welded with an inert monatomic gas, striking an alternating current welding arc between said electrode and the work, and advancing said electrode along the zone to be welded so as to cause such arc to fuse the work in the welding zone under such gas.

2,473,601

GAS SHIELDED DIRECT-CURRENT ARC WELDING

Roscoe R. Lobosco, Elizabeth, N. J., assignor to The Linde Air Products Company, a corporation of Ohio

Application June 8, 1946, Serial No. 675,351
3 Claims. (Cl. 219—10)



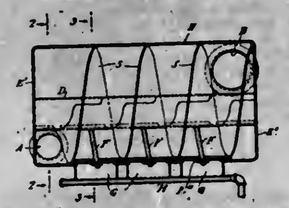
1. The method of welding metal by the electric arc process which comprises thinly coating the surface of the metal along the zone to be welded with a very thin film of material that is highly emissive of electrons when heated, such film being applied prior to the application of the arc, and fusing the metal by a direct current welding arc maintained between the metal and a refractory electrode in a protective atmosphere of gas which is chemically inert with respect thereto, the polarity of the metal being negative and that of the electrode positive.

2,473,602

FLUID SEPARATOR

Jean Loumiet et Lavigne, Playa de la Teja, Itabo, Cuba

Application April 25, 1945, Serial No. 590,170
4 Claims. (Cl. 183—79)



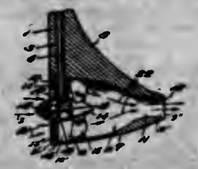
1. In a fluid separator, a cylindrically shaped separator casing closed at its ends and having an inner cylindrical wall surface, an inner structure within the separator casing and cooperating with the inner wall surface thereof to provide a spiral fluid path of varying cross-section, an inlet for the mixed fluid at one end of the casing and an outlet at the other end of the casing for discharging the less dense fluids, and an outlet for extracting from the casing the dense fluid particles separated from the less dense fluid, said outlet being provided through the separator external casing at a point in the fluid path about 60° beyond the point of minimum cross-section therein.

2,473,603

MARINE PROPELLER DEVICE

Josef H. Miller, Seattle, Wash.

Application January 15, 1946, Serial No. 641,244
1 Claim. (Cl. 115—16)



In a marine propelling apparatus, the combination of a horizontally elongated shroud having forward and rear ends and provided with a Venturi-shaped passage, said passage having a forward relatively long region, a rear relatively short region and an intermediate throat connecting said forward and rear regions, the major diameter of said passage being at the forward end of the shroud from which the passage is inwardly tapered throughout the length of said forward region and is reduced to its minor diameter in said throat, said rear region being progressively enlarged in diameter outwardly from said throat and terminating in a flared outlet opening at the rear end of the shroud, said opening being greater than the minor diameter but smaller than the major diameter of said passage, an elongated propeller carrier mounted axially in the front portion of said forward region and projecting forwardly from the shroud, said carrier having a substantially lenticular longitudinal cross section and a rear end portion thereof consisting of a rotatable hub, the outer surface of said carrier including said hub coacting with the tapered wall of said passage to form an annular inlet chamber in the front portion of the forward passage region, and a set of propeller blades provided on said hub and rotatable in said inlet chamber, said blades being disposed closer to the major diameter of said passage than to said throat, and the outer surface of said carrier including said hub being tapered inwardly at a greater rate than the wall of the forward passage region, whereby the radial width of said inlet chamber is progressively increased inwardly from the forward end of said shroud.

2,473,604

PAGE NOTCHING DEVICE

Frank W. Muth, Green Island, N. Y.

Application May 20, 1947, Serial No. 749,281
5 Claims. (Cl. 164—119)



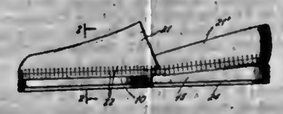
1. A device adapted for cutting a notch in the marginal edge of a book page to facilitate turning said page; said device comprising a cylindrical tubular element having a transversely-extending slot therein adapted to receive the edge of the page to be notched with one of the interior edges defining said slots forming one of the cutting edges of a shear, a second cylindrical element closely but slidably fitted in said tubular element and provided with a cutting edge adapted to cooperate with the cutting edge on said tubular element to form said shear; said tubular element being provided with a longitudinally-extending slot therein, closed at least at one end, and said second cylindrical element being provided with a projection thereon slidable in said slot to prevent relative rotation of said cylindrical elements; and a spring biased normally to hold said cutting edges in spaced relation to each other to allow the edge of said page to be inserted in said transversely-extending slot between said cutting edges.

2,473,605

PLATFORM TYPE SHOE, SLIPPER, OR THE LIKE AND METHOD OF MAKING SAME

Anthony Orlando, Bronx, N. Y.

Application September 19, 1946, Serial No. 698,068
14 Claims. (Cl. 36—19.5)



1. Footwear which comprises a platform; a sole-shaped member superposed on the platform; a wrapper having its upper margin adjacent to said member with the edge of said margin inset from the edge of the platform, the wrapper having its lower margin drawn downwardly around the edge face of the platform and turned inwardly and secured to the margin of the lower face of the platform; an outsole secured to the lower face of the platform and the lower face of the inturned part of the wrapper; a foxing strip having its inner margin disposed above the level of the bottom face of said member and superposed upon the upper margin of the wrapper; stitches engaging the platform passing through said member, the lower margin of the foxing strip and the upper margin of the wrapper thereon for securing the margins in superposed position and to hold them to the insole; and an upper member having its lower edge secured to the upper edge of the foxing strip and cooperating therewith to form uppers.

2,473,606

METHOD OF COMPOUNDING ROSIN, ROSIN OIL, AND POLYISOBUTYLENE

Henry N. Padowicz, Livingston, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application January 10, 1947, Serial No. 721,482
2 Claims. (Cl. 260—27)

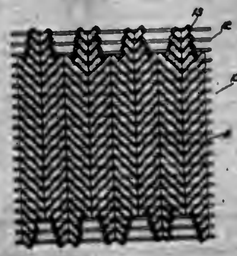
1. The method of compounding rosin, rosin oil and polyisobutylene, which method comprises steps of heating rosin and rosin oil together until a uniform mixture of fluently liquid physical character is obtained, cooling the fluently liquid mixture until it assumes a viscously liquid state, and working polyisobutylene into the viscous liquid until a three component compound of uniform physical state and substantially uniform composition is obtained.

2,473,607

BELTING

Samuel P. Parker, La Grange, Ga., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga., a corporation of Georgia

Application September 27, 1946, Serial No. 699,843
4 Claims. (Cl. 139—419)



1. A fabric for use as a reinforcement in belting which comprises a plurality of cables lying side by side and extending lengthwise of the fabric, each cable consisting of a plurality of strands of fibrous textile material twisted together, and cross strands passing between the strands of the individual cables and holding the cables together, the total weight of the cross strands lying between about one-fourth and about three-fourths of the total weight of the cables.

the cable twist of the strands in the cables being defined by the formula

$$T=K\left(\frac{.95n}{p}\right)^{.n}$$

in which

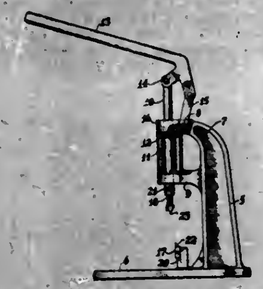
T=turns of twist per inch
n=unit size of the cable strands expressed in the cotton count
p=number of cable strands in each cable, and
K=a constant lying between about 4.6 and about 10.5.

2,473,608
OYSTER OPENING METHOD
John Flock, Southold, N. Y.
Application September 24, 1945, Serial No. 618,122
11 Claims. (Cl. 17—45)



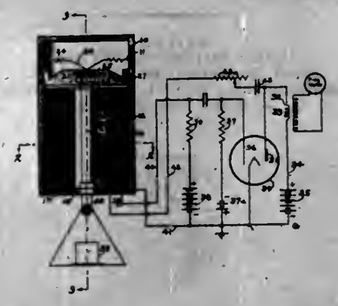
1. The method of opening an oyster which consists in breaking the hinge joint between the valves and then turning one valve relative to the other substantially in the plane of the edges of the valves to separate the body of the oyster from one valve and then severing the adductor muscle from the other valve.

2,473,609
OYSTER OPENING APPARATUS
John L. Flock, Southold, N. Y.
Application January 20, 1946, Serial No. 644,265
3 Claims. (Cl. 17—9)



1. A machine for opening oyster shells comprising a frame having a stationary jaw member constituting an abutment for supporting the outer face of the deep valve of an oyster shell between the ends thereof but leaving a free space alongside of the abutment to allow for the free movement of the shallow valve of the oyster across the face of the deep valve when the latter is supported by the abutment, a movable jaw member having a short prong for engaging the outer face of the shallow valve of the oyster which is supported on the abutment and having a shoulder adjacent said prong for preventing the said movable jaw member from entering between the edges of the shell and means for moving the movable jaw member against the outer face of the shallow valve when the shell is supported between the ends of the shell and thereby moving the shallow valve across the inner face of the deep valve and tearing the adductor muscle from the deep valve without entering between the valves.

2,473,610
BAROMETER
Frank Rieber, New York, N. Y., assignor to Interval Instruments, Inc., New York, N. Y., a corporation of New York
Application January 29, 1944, Serial No. 520,201
9 Claims. (Cl. 250—36)

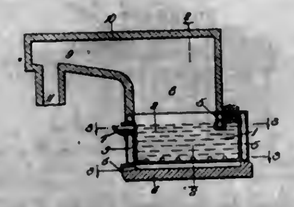


5. A device of the character described, comprising a hermetically sealed chamber having a diaphragm wall carrying a wire support, a wire connected to said support, a second support for the other end of said wire adapted to maintain said wire under tension whereby variations in pressure upon the diaphragm vary the tension upon the wire, an insulator, an electrode carried by said insulator parallel to said wire, and of substantially the same length as the vibrating portion of the wire, a terminal for said electrode, means for applying external fixed weights to said diaphragm whereby the tension exerted on said wire by said diaphragm is altered by a fixed and constant amount, stops to limit the movement of said diaphragm wall, a magnet establishing a field of force transverse to the plane of said electrode and said wire, and an oscillator connected to said electrode, and having the pulsating current it generates connected to pass through said wire, said oscillator including an electric circuit containing said electrode and said wire as a capacity, and means responsive to changes in said electric circuit due to changes in capacity to control said oscillating system.

2,473,611
PROCESS FOR THE PRODUCTION OF ZINC
Stanley Robson, Bedland, Bristol, England, assignor to The National Smelting Company Limited, London, England, a British company
Application June 5, 1947, Serial No. 752,648
In Great Britain June 5, 1946
3 Claims. (Cl. 75—86)

1. A process for the production of metallic zinc from roasted ores, slags and other zinciferous materials which comprises reducing the zinciferous material at an elevated temperature sufficient to produce metallic zinc vapor in a non-

oxidizing gaseous atmosphere substantially free from carbon dioxide by blowing into a molten slag bath of the zinciferous material a blast of carbonaceous fuel suspended in an oxygen-containing gas comprising not less than 40% by volume of oxygen and the balance essentially inert gas substantially free from carbon dioxide, the

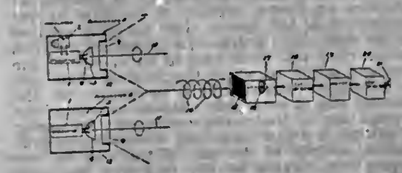


molecular proportion of carbon to oxygen in the blast being greater than two so that carbon is always present in sufficient excess in relation to the oxygen supply in said blast to preclude the existence in the zinc vapor-containing atmosphere of any substantial quantity of carbon dioxide, and condensing the resulting zinc vapor.

2,473,612
TRIALKYL PHENYL PHOSPHATES FROM PURIFIED PETROLEUM ALKYL PHENOLS
Royal L. Shuman, Newark, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Original application March 4, 1944, Serial No. 525,103. Divided and this application December 12, 1946, Serial No. 715,625
2 Claims. (Cl. 260—461)

1. Trialkyl phenyl phosphates prepared by reacting with phosphorus oxychloride alkyl phenols obtained from petroleum, and stabilized and purified by reacting the alkyl phenols free from water with anhydrous aluminum chloride at an elevated temperature and subatmospheric pressure, and then distilling the reaction mixture to obtain the alkyl phenols as distillates, said trialkyl phenyl phosphates being characterized by having improved electrical resistance, higher viscosities, lower toxicity and lower density than phosphoric acid esters made from coal tar alkyl phenols.

2,473,613
COMMUNICATION SYSTEM
Charles G. Smith, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 9, 1942, Serial No. 450,275
3 Claims. (Cl. 250—6)



1. The method of communication which comprises producing a plurality of circularly-polarized waves, the polarization of each of said waves being in the opposite sense to the polariza-

tion of another of said waves, propagating said circularly-polarized radio waves to a common point in space whereby they interfere in space to produce a resultant plane polarized wave, causing the frequency of said circularly-polarized waves to differ from each other whereby the plane of polarization of the resultant wave is continuously rotating, and signaling by varying the frequency of said circularly polarized waves relative to each other to thereby vary the rate of rotation of the plane of polarization of the resultant wave.

2,473,614
METHOD OF AND MATERIAL FOR PROTECTING AND CONDITIONING METAL SURFACES
Eugene Snyder, Philadelphia, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware
No Drawing. Application December 13, 1945, Serial No. 634,891
7 Claims. (Cl. 148—6.15)

1. A material for use in treating a surface of metal from the group consisting of iron, zinc, aluminum and of iron-base, zinc-base and aluminum-base alloys, the principal active ingredients of which material consist of an intimate admixture of degras and orthophosphoric acid together with a liquid vehicle for said admixture, the quantity of orthophosphoric acid being from 1 to 15% by weight of the degras and the quantity of the vehicle being sufficient to obtain intimate incorporation of the degras with the acid.

2,473,615
PROCESS FOR STRETCHING CELLULOSE ACETATE FILAMENTS
Percy Frederick Combe Sowter, Spondon, near Derby, England, assignor, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 20, 1945, Serial No. 583,840. In Great Britain March 29, 1944
2 Claims. (Cl. 8—132)

1. Process for reducing the denier without substantially affecting the tenacity and extensibility of artificial filaments having a basis of an acetone-soluble cellulose acetate and having an extensibility of at least 20%, which comprises softening the filaments by means of a mixture containing acetone and benzene at 20 to 25° C. until they become capable of being stretched to at least twist their original length by a tension of 0.1 to 0.5 gms./100 denier, gradually stretching the softened filaments to at least twice their original length, washing the stretched filaments with benzene and drying them, and allowing them to shrink during at least part of the washing and drying operation.

2,473,616
ELLIPTICAL BOUNDARY FRAME FOR OPENINGS IN PRESSURE CABINS FOR AIRCRAFT
Basil Stephenson, Weybridge, England, assignor to Vickers-Armstrongs Limited, London, England
Application January 14, 1947, Serial No. 721,997
In Great Britain January 10, 1946
3 Claims. (Cl. 244—129)

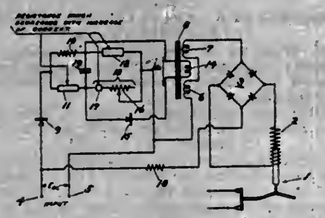
1. A pressure cabin of circular cross section having the window, door and like openings, and the windows, doors and like members relating thereto, of substantially the shape of an ellipse of which the major and minor axes are so proportioned that the ratio of their squares is equal

to the ratio between the circumferential and longitudinal loads per unit width in the shell of the



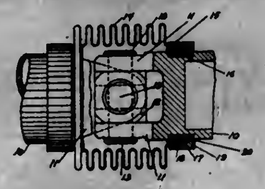
cabin, and the major axes being disposed circumferentially on the shell.

2,473,617
ELECTRICAL CONTROL SYSTEM
Karl J. Stiefel, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application October 27, 1944, Serial No. 560,650
2 Claims. (Cl. 175—294)



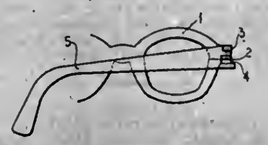
2. In combination, a saturable reactor having a saturable magnetic core, a main winding on said core and adapted to be connected to a source of alternating current, a control winding on said core, a bridge circuit for supplying saturating direct current to said control winding in response to a predetermined condition, said bridge circuit having four arms each including a resistor, two of said resistors having negative resistance current characteristics, another of said resistors having a substantially constant resistance current characteristic, and the fourth resistor having a small component having negative resistance current characteristic, and a large component having substantially constant resistance current characteristic, said resistors being arranged to unbalance said bridge circuit when the current therethrough differs from a predetermined value, a rectifier in series with said control winding whereby said control winding will be energized by unbalance of said bridge in one direction only, an electromagnetic relay having a direct current operating coil connected in series with said main winding, and a rectifier also connected in series with said main winding, whereby said relay is operated in response to the flow of saturating direct current through said control winding.

2,473,618
UNIVERSAL JOINT
George B. Stillwagon, Jr., Dayton, Ohio, assignor of one-half to Kenneth G. Fraser, Dayton, Ohio
Application January 5, 1944, Serial No. 517,019
3 Claims. (Cl. 64—32)



1. A cover for a universal joint of the type comprising coupling members pivotally connected one with the other for movement about intersecting axes, said cover including a tubular structure of resilient metal extending about the pivotal connections between said coupling members, sealing members of yieldable material mounted about and in sealing contact with the respective coupling members and held against axial movement with relation thereto, said cover having end portions overlying said sealing members and having sealing contact therewith, and annular attaching members extending about the respective end portions of said cover in tight engagement therewith, holding said end portions in firm engagement with said sealing members and retaining said sealing members in sealing contact with said coupling members.

2,473,619
SPECTACLES WITH INTERCHANGEABLE LENSES
André Talobre, Oyonnax, France
Application January 6, 1948, Serial No. 719
In France September 16, 1947
1 Claim. (Cl. 88—47)



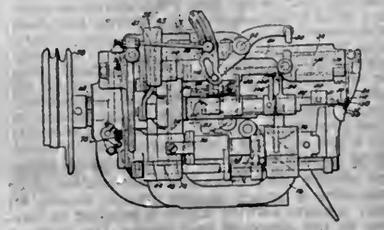
Spectacles adapted to receive interchangeable lenses comprising two rings rigid with one another and the outer lateral web of each of which rings is slotted throughout its breadth for allowing an elastic opening of the ring for replacement of the lenses, sides hingedly secured to the outer webs of the corresponding rings, two bosses rigid with each ring to either side of the slot and to one of which the corresponding side is pivotally secured and a projection on the pivoted end of each side adapted to engage the second boss on the corresponding ring for urging it against the first boss, said second bosses projecting slightly to the rear of the ring for ensuring the locking of the ring over the lens through cooperation with the side for all positions of the side and the release of the lens through the opening of the slot being provided through a slight forward elastic thrust exerted on the corresponding ring.

2,473,620
VALVE
Walter D. Teague, Jr., Alpine, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application December 5, 1944, Serial No. 566,677
4 Claims. (Cl. 251—145)



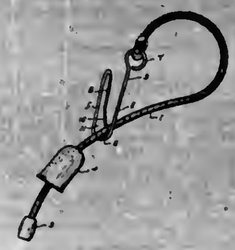
4. In a valve of the class described, a valve housing, a pilot member having a through passage and extending longitudinally through said housing and closing the ends of the latter except for the passage through said pilot member, said pilot member being formed with a flow opening and air inlet openings communicating with said passage, a slide slidably mounted on said pilot member and threadedly connected to said housing for axial movement relative to said pilot member upon rotation of said housing relative to said pilot member, a valve member slidably mounted on said pilot member and coacting with the latter and said housing to define suction and atmospheric chambers within said housing communicating with said flow opening and said air inlet openings respectively, a spring interposed between said valve member and said slide for urging said valve member into closed relation with said air inlet openings to preclude communication between said flow opening and said atmospheric chamber, the tension of said spring being adjustable by movement of said slide to permit operation of said valve member only in response to a predetermined pressure differential between said chambers, and means effective for maintaining said slide in an adjusted position.

2,473,621
ROUNDING MACHINE
Laurence E. Topham, Wenham, and Edwin W. Smith, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 2, 1947, Serial No. 771,596
15 Claims. (Cl. 12—18)



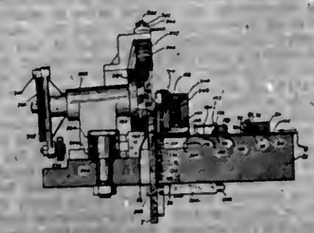
4. In a rounding machine having a reciprocatory knife, an anvil against which said knife cuts along a line in the cutting plane of said knife, means for moving said knife and anvil together with a feeding stroke to impart a feed movement to a work piece disposed therebetween and then with a return stroke in the reverse direction, said knife and anvil also being mounted to move in response to an angular change in the position of a work piece penetrated by said knife, means for equalizing the last-mentioned movements of said knife and anvil, a fork associated with said knife and having converging walls, and an abutment adapted to be engaged by said walls at the end of each return stroke whereby said knife and anvil are then returned to their original positions.

2,473,622
TYING DEVICE
Harry Truswell, St. John, New Brunswick, Canada
Application May 19, 1948, Serial No. 27,901
3 Claims. (Cl. 70—15)



1. A fettering device comprising a cable, a hook secured to one end of the cable and arranged to receive a portion of the cable intermediate its ends, said hook comprising a one-piece spring steel member of U-shaped form, one end portion of said member extending between the legs of the U-shaped form and being inclined towards one of the legs to provide a space therebetween less than the diameter of the cable, and a button on the cable for engagement with the hook, said button comprising a housing and cable-gripping means wholly concealed within the housing, said cable-gripping means when in cable-gripping position permitting movement of cable through the housing in one direction only.

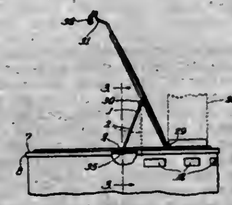
2,473,623
APPARATUS FOR MANUFACTURING SLIDE FASTENERS
Maurice Volty, New York, N. Y., assignor to Serval Slide Fasteners, Inc., a corporation of New York
Original application March 26, 1942, Serial No. 436,279. Divided and this application March 18, 1946, Serial No. 655,165
2 Claims. (Cl. 153—1)



1. An apparatus for assembling on a tape, slide fastener elements obtained from a continu-

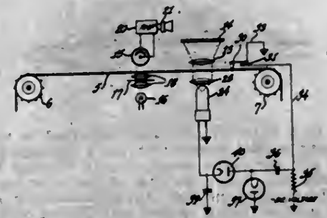
ous strip having integral embryonic slide fastener elements uniformly formed and positioned thereon with their jaws facing toward an end of the strip, said apparatus comprising a source of strip supply, a source of tape supply, means to guide the strip toward the tape, means to intermittently feed the strip, means to successively sever the foremost element from said strip, means to successively attach the severed element to the tape, means including a tape drum to intermittently advance the tape, and means to maintain the tape under tension adjacent said attaching means, said drum being so arranged as to guide the tape along a fixed undeviating path between said attaching means and said drum with the web of the tape substantially parallel to the direction of feed of said strip and sloping away from the attaching means.

2,473,624
INCINERATOR
Henry Weyenberg and Wayne E. Tice, Holland, Mich., assignors to Holland Furnace Company, Holland, Mich., a corporation of Delaware
Original application May 4, 1944, Serial No. 534,029. Divided and this application July 30, 1945, Serial No. 607,876
2 Claims. (Cl. 217—60)



1. In an incinerator having side walls forming a combustion chamber and a top frame therefor, a cover for said chamber hinged to said top frame and opening upwardly and having a gravity operated latch device to hold the cover in open position, said latch device comprising a rod pivotally hung from the under side of said cover and a lug fixed to said top frame and extending inwardly beyond said side walls and into the top portion of the combustion chamber space, said lug being positioned between the cover hinge and the pivot of the rod when the cover is in closed position and being nearer the pivot of the rod than that of the hinge, said lug having an upwardly opening groove in its top face, said rod having two parallel offset arms connected together at their adjacent ends by a cross member so that the upper one of said arms is positioned inwardly of the inner end of said lug and the lower arm is positioned outwardly of the inner end of said lug, said cross member being intermediate of the length of said rod to swing freely under said lug when the cover is partially closed and to be a distance above the lug equal to the length of the lower arm when the cover is latched open, whereby when opening the cover the lower arm will ride over the front edge of said lug and have its free end fall into said groove to hold the cover open, and when the cover is further raised and then lowered the rod will swing freely rearwardly of the lug and as the cover is further lowered said lower arm will ride over the rear edge of the lug and when the cross member passes beyond the lug it will freely swing forwardly below the lug.

2,473,625
MOTION-PICTURE CONTINUOUS FILM EDITING SYSTEM
Benjamin F. Wheeler, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1946, Serial No. 713,247
5 Claims. (Cl. 88—16.8)



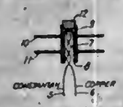
1. A film editing system comprising a film having picture frames thereon, means for advancing said film at a substantially uniform speed, an observation medium on one side of said film, a lamp on the other side of said film, and means controlled by said moving film for energizing said lamp only at the instances said picture frames are positioned between said lamp and observation medium, said last mentioned means including a switch operated by the sprocket holes in said film and a counting circuit for controlling the energization of said lamp after the passage of a predetermined number of sprocket holes through said switch, said circuit including a pair of condensers, one condenser being discharged by each closure of said switch.

2,473,626
MAGNET FOR ELECTRIC BULBS
Harvey L. White, Springfield, Ohio
Application April 3, 1946, Serial No. 659,211
5 Claims. (Cl. 176—16)



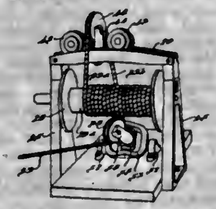
1. A magnet means for use with an incandescent electric lamp having a pear-shaped globe comprising a square shaped magnet having an upper concave surface which is adapted to conform to the shape of and receive the globe, a spring arm having a threaded apertured collar on one end thereof adapted to receive a screw therein, a spring clasp on the other end of said spring arm adapted to encircle the globe so that when the magnet is in place and the screw is tightened to retain the magnet in close contact with the globe the magnet will collect loose filament particles within the globe to prevent discoloration of the globe.

2,473,627
THERMOCOUPLE WITH RADIATING FINS
Gilbert S. Wiekizer and Ernest N. Brown, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application September 21, 1944, Serial No. 555,092
3 Claims. (Cl. 136—4)



3. A thermocouple device comprising a temperature responsive electric element composed of two wires of dissimilar metal twisted together, an insulating tubular member surrounding the twisted portion of said wires, said insulating tubular member being closed at one end, the other end being provided with metallic leads for connecting the twisted portion of said wires, a metallic member surrounding said insulating tubular member, and a plurality of spaced radiating fins secured in thermal contact with said metallic member to provide greater thermal conductivity therewith.

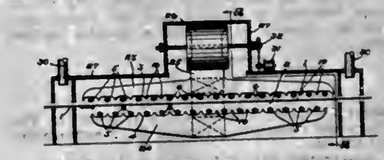
2,473,628
WINDING DEVICE OR WINCH
William D. Allison, Detroit, Mich., assignor, by direct and mesne assignments, to Motor Research Corporation, Detroit, Mich., a corporation of Michigan
Application August 19, 1944, Serial No. 550,153
10 Claims. (Cl. 254—190)



1. In a cable control device for a winding drum or the like, track means comprising a pair of spaced curved parallel rails supported at one side of the drum, a carriage adapted to travel along said rails and including two pairs of rollers, each pair having rolling engagement with a rail, a pulley support mounted on the carriage between the pairs of rollers and pivotally mounted on the carriage to turn about an axis fixed with relation to the carriage and extending between the rails transversely thereof, a guide pulley rotatably mounted on said support and adapted to swing laterally with said support about said axis during travel of the carriage along the rails, and a cable guide mounted at one side of the drum for guiding the cable to the guide pulley and thence to the drum.

2,473,629
DRYING APPARATUS
Bernard R. Andrews, Braintree, Mass.
Application November 16, 1944, Serial No. 563,636
3 Claims. (Cl. 263—3)

3. A drying apparatus comprising a drying chamber through which a web of material to be dried is fed, a plurality of radiant heat-generating units spaced from each other longitudinally of the chamber, each unit comprising a plurality of cylindrical bodies of refractory material arranged closely adjacent each other and with their axes at right angles to the web, the face of each cylindrical body that is directed toward the web having an annular depression presenting concave walls, each body having an axial opening, a tubular member in the opening of each body having an enlarged end at said face of the body and also having a bridge piece, a cap member secured to said bridge piece and provided with a peripheral

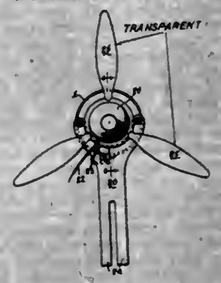


annular skirt which is directed away from the web and which forms with the periphery of the enlarged portion of the tubular member an annular burner opening directed toward the annular depression in the body and away from the web, said tubular member constituting a fuel-supply duct, means to supply gaseous fuel to said duct, a nozzle element between each two adjacent radiant heat-generating units, and means to deliver air under pressure through each nozzle element.

2,473,630
POLYCHLOROPHENOLS IN FERMENTATION OF CARBOHYDRATES
Antonio Barreto, Rio de Janeiro, Brazil, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 2, 1944, Serial No. 538,544
5 Claims. (Cl. 195—123)

1. The improvement in the fermentation of bacteria-containing grain mashes in the presence of a yeast which comprises sterilizing the mash with small amounts of a pentachlorophenol, said pentachlorophenol being present in an amount varying between 0.025 and 0.1 gram per liter of the mash.

2,473,631
SIGNALING DEVICE FOR VEHICLES
Henry J. Beemer, Sidney, Ohio
Application November 13, 1945, Serial No. 628,274
7 Claims. (Cl. 177—329)



1. A stop signal for a vehicle comprising a rotary power element adapted to be energized by a source of electromotive force, a shaft driven by said element, arms extending radially from said shaft, said arms being transparent and hol-

low with the openings at the end of the arms presented to said shaft, a lamp for emanating light from a position where the arms converge, the light extending through the interior of the arms outwardly to be propagated to the exterior of the arms, electrical connections to said lamp and rotary power element from the source of electromotive force in the vehicle, said connections including a switch adapted for being actuated to complete said circuit by the braking mechanism of the vehicle, whereby the rotary power element is rotated and the illuminated arms are caused to describe a circular lighted area.

2,473,632
EXTENSIBLE STRUT
Robert G. Bode, Chicago, Ill., assignor to The Norwood Company, Chicago, Ill., a corporation of Illinois
Application May 5, 1945, Serial No. 592,207
1 Claim. (Cl. 248—161)



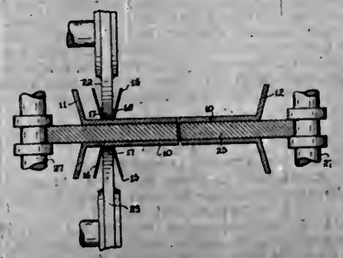
As a new article of manufacture, an extensible strut comprising a cylindrical vertically extending tubular lower member with a cutout in its upper end, a substantially cylindrical vertically extending upper member slidably mounted within the lower member and provided with a longitudinal groove in alignment with the cutout, a bracket connected to the upper end of the lower member and embodying a housing part shaped to form a compartment with the inner portion thereof open and in communication with said cutout, consisting of top, outer, side and bottom walls, and having an opening in the inner portion of its bottom wall, an upstanding lever type detent of U-shaped cross section having the upper end thereof extending into the compartment via said opening and provided with a ratchet type tooth extending into the groove in the upper member and coacting therewith to hold the two members against relative rotation, said detent having the central portions of its sides notched and in such interfitting relation with the bottom wall of the bracket housing part as to form a pivotal connection whereby the detent may be rocked into and out of an operative position wherein said tooth engages the groove defining portion of the upper member and serves to hold said upper member against downward sliding movement with respect to the lower member, and a V-shaped wire spring disposed wholly within the housing part of the bracket, having one leg thereof fitting against the outer wall of said housing part and its other leg disposed within and abutting against the upper end of the detent, and serving to urge the detent into its said operative position.

2,473,633
METHOD OF WELDING FINS TO TUBULAR MEMBERS BY ELECTRIC RESISTANCE WELDING
John W. Brown, Jr., Lakewood, Ohio, assignor to Brown Fintube Company, Elyria, Ohio, a corporation of Ohio
Application March 20, 1946, Serial No. 655,643
3 Claims. (Cl. 219—10)



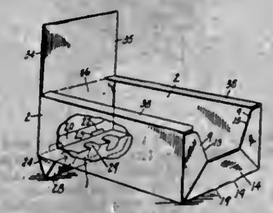
1. The method of welding fins with a current conducting base portion to the inner surface of a current conducting tubular member which includes the steps of positioning within said tubular member an assembly comprising at least one fin with its base adjacent said inner surface and a conductor member adapted to extend across the interior opening in said tubular member to conduct a welding current from one region on the inner surface to another, said conductor member being formed of such material and so proportioned that it offers substantially less resistance to passage of current from one of said regions to the other than does said tube wall, positioning an external roller welding electrode over each of said regions at each end of said conductor member, forcing said tube wall inwardly and causing a welding current to flow from one electrode through one of said regions, the base of said fin, said conducting bar and said other region to the other electrode while said electrodes and said tubular member are moving relative to each other.

2,473,634
ELECTRIC RESISTANCE WELDING METHOD
John W. Brown, Jr., Lakewood, Ohio, assignor to Brown Fintube Company, Elyria, Ohio, a corporation of Ohio
Application July 15, 1947, Serial No. 761,115
2 Claims. (Cl. 219—10)



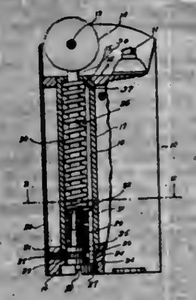
1. The method of simultaneously forming a weld between two members of one pair of metal members and another weld between two members of another pair of metal members with a single pair of roller welding electrodes to provide a series of individual spot welds including the steps of forming an assembly comprising the two pairs of members to be welded with one pair separated from the other by a highly current conductive metal plate having a substantial area of contact with each adjacent member and so positioned that the regions to be welded in each pair and the plate are in transverse alignment, positioning a roller welding electrode on each side of said assembly so each electrode makes rolling contact with one outer member of a pair at the region of the respective welds, engaging the edges of said plate with a plurality of guide rollers to guide the plate parallel to the plane of the electrode rollers; moving said rollers and said assembly relative to each other to cause the electrode rollers to traverse the regions to be welded and intermittently passing a welding current from one electrode roller to the other through said assembly to form a line of spot welds in the welded regions.

2,473,635
DISPLAY CARTON WITH SUPPORT
Kenneth T. Buttery, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich., a corporation of Michigan
Application October 8, 1945, Serial No. 621,002
7 Claims. (Cl. 206—45.26)



1. A display carton formed of an integral blank and comprising a bottom, side walls hingedly joined to the side edges of the bottom and provided with inturned cover supporting flaps at their upper edges, outer rear wall members on the rear ends of said side walls having overlapping interlocking engagement, an inner rear wall hingedly connected to the rear end of the bottom and disposed on the inner side of the outer rear wall members and supported thereby and having laterally spaced inverted U-shaped slits and a transverse score line joining the slits at the lower ends thereof providing a rear easel member with tongues at the upper edge thereof, the bottom having slits extending forwardly from adjacent the rear corners thereof and having a plurality of laterally spaced forwardly facing U-shaped slits adjacent its rear end and a transverse score joining all the slits at the forward ends thereof providing a front easel member hingedly joined to the rear easel member, the erection of the easel resulting in an open space across the plane of the bottom, said forwardly facing U-shaped slits providing supporting tongues disposed in the plane of the bottom and extending rearwardly over the open space resulting from the erection of the easel, the said tongues on the rear easel member being engaged with the bottom edges of the outer rear wall members when the easel is erected, and a cover hingedly joined to the upper edge of said inner rear wall member, said cover closure flap being disposed in forward parallel relation to said outer rear wall members when said cover is in said upright position and said easel is in erected position.

2,473,636
PYROPHORIC ELEMENT FEEDING MECHANISM FOR LIGHTERS
Adolph Campos, Newark, N. J.
Application June 21, 1946, Serial No. 678,289
1 Claim. (Cl. 67—7.1)

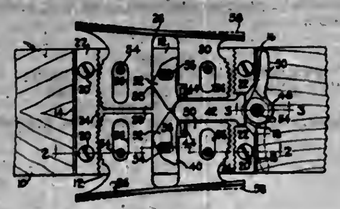


In a lighter including a fuel-containing receptacle, the combination with a rotatable abradant surfaced wheel and a pyrophoric element, of a mechanism for feeding said element relative to said wheel, said mechanism including a hollow, cylindrical tube, there being a longitudinally-extending groove along the inner face of said tube, a pyrophoric feeding means arranged within said tube and mounted for rotative movement, said means including a head, a shank projecting from the inner face of said head, and a spring having a plurality of convolutions thereabout carried by said shank, a follower supporting said pyrophoric element arranged concentrically within the convolutions of said spring and resting upon said shank, said follower having a transversely-projecting means embodying a pin in co-acting engagement with the space intermediate a pair of said convolutions and having an end thereof extending into said groove, means on said head for applying rotative movement thereto to thereby impart rotative movement to the spring and travel of the follower along a longitudinal, linear path through said tube, means embodying a shoulder on said groove, coacting with said transversely-projecting pin for limiting the travel of said follower, and means embodying a bolt carried by said receptacle and inter-engaging said tube and said head for holding the tube and pyrophoric feeding means in assembled relation within said receptacle.

2,473,637
TOE PLATE FOR SKI BINDINGS
Elbert H. Carroll, West Boylston, Mass.; Howard W. Cowee and Elizabeth C. Carroll, executors of said Elbert H. Carroll, deceased, assignors to Carroll Pressed Metal Company, Worcester, Mass., a corporation of Massachusetts
Application March 10, 1945, Serial No. 581,977
7 Claims. (Cl. 280—11.35)

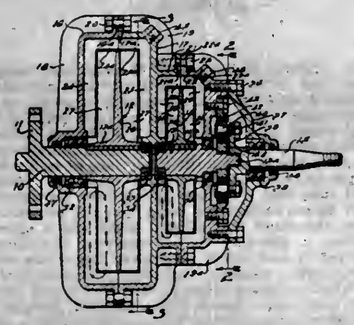
1. Adjustable toe irons for skis comprising a pair of abutments for securement to a ski in spaced relation thereon, a pair of upstanding

side plates, a pair of spaced tangs on each side plate and means to move the tangs into engage-



ment with the abutments against resistance imparted by the side plates.

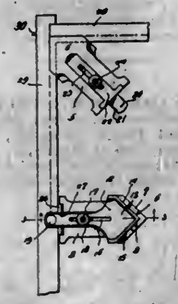
2,473,638
HYDRAULIC TRANSMISSION AND CLUTCH
Reginald I. Cumming, Ypsilanti, Mich., assignor of twenty-five per cent to Edwin G. Streicher, twenty-five per cent to Edward M. Streicher, and twenty-five per cent to George A. Weins, all of Ypsilanti, Mich.
Application September 14, 1944, Serial No. 554,008
6 Claims. (Cl. 74—688)



1. In a hydraulic transmission, a rotatable housing unit comprising two adjacent annular chambers adapted to contain a hydraulic medium and each provided with a series of diverging radially extending fins, each fin comprising portions within the chamber extending inwardly in the same plane from the side and end walls of the chamber, a pair of impellers coaxial with the housing unit and disposed within said chambers, each impeller having a series of diverging radially extending fins movable within the annular space formed between the inner edges of the fins of the associated chamber, means for supporting said impellers for rotation one independently of the other, a driving element connected to one impeller, a driven element, and gearing connecting the driven element, housing unit and second impeller.

2,473,639
DOOR CASING GAUGE
John W. Erickson, Seattle, Wash.
Application April 24, 1944, Serial No. 532,501
1 Claim. (Cl. 33—42)

A gauge for positioning lines parallel to and equidistant from the inner edges of a rectangular frame comprising an elongated gauge body having one end substantially perpendicular to the longitudinal center line of such body and at its opposite end two mutually perpendicular edges symmetrically disposed relative to said center line so that said edges intersect along a line of jointure perpendicularly intersecting said longitudinal center line and diverge from said line of jointure at substantially equal angles to said center line, said body having in each face thereof a respective undercut groove extending along said center line from said one end of said body to locations adjacent said opposite end of the latter, an elongated gauge plate overlying one side of said body and having a longitudinally extending rib thereon slidably received in the corresponding groove of said body, said gauge plate including a narrow portion extending beyond said one end of said body and a marginally flanged wide

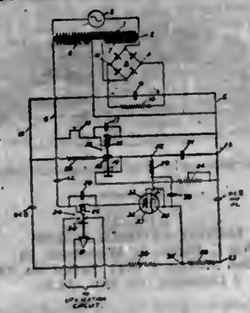


portion having mutually perpendicular end edges respectively parallel to the mutually perpendicular end edges of said body, a slide slidably engaged in the groove in the other side of said body and having at one end an elongated, perpendicularly disposed flange parallel to said one end of said body and provided in its edge with a notch slidably receiving the narrow portion of said gauge plate, a scribe point carried by said gauge plate outwardly of said flange and positioned at a predetermined distance from said flange, regardless of the longitudinal position of said guide plate relative to said body, by sliding said slide relative to said body, said gauge plate and said slide having respective longitudinally extending slots therein, and respective clamp screws extending from said body through said gauge plate and slide slots to releasably clamp said gauge plate and said slide in adjusted position longitudinally of said body.

2,473,640
ELECTRICAL CIRCUITS
Donald P. Faulk, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application November 5, 1947, Serial No. 784,121
13 Claims. (Cl. 315—355)

1. A timing circuit including, in combination, a timing condenser, a circuit connecting said condenser across a source of electrical energy for charging the same therefrom, a voltage divider connected across said source, said condenser being connected to said voltage divider with the voltage across said condenser being in series opposition with the voltage drop across a portion of

said divider, and a circuit energized by a predetermined small difference between said condenser



voltage and said voltage drop for producing a signal.

2,473,641
EVAPORATOR
Henry H. Feldstein, Cleveland, Ohio
Application March 26, 1945, Serial No. 584,941
16 Claims. (Cl. 257—197)

1. A heating or evaporator element for the purpose specified comprising an annular outer wall and an annular wall within and spaced from the outer wall, the tops and bottoms of the said walls being united, the said element being provided with an inlet connection for supplying a condensable heating fluid to the space between the said walls, the said element being provided with an outlet at the top for incondensable gases and an outlet at the bottom for condensate, the said outlets being angularly spaced from the inlet and the distance between the inner and outer walls diminishing substantially progressively from the inlet toward the outlets.

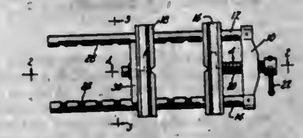
2,473,642
LOW-PRESSURE ELECTRIC DISCHARGE DEVICE
Clifton G. Found and Wilford J. Winninghoff, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application January 9, 1948, Serial No. 1,454
8 Claims. (Cl. 176—122)

1. In an electric discharge device the combination comprising an envelope, electrode means within said envelope and an ionizable medium therein consisting of mercury and an inert gas of the group consisting of krypton and xenon, or mixtures thereof, said inert gas pressure not



exceeding 12 millimeters of mercury, and the wall loading of the envelope surface lying within the range from 7 to 21 milliwatts per square centimeter, inclusive.

2,473,643
TOOLMAKER'S VISE OR CLAMP
John M. Frobiom, Holland, Mich.
Application January 12, 1945, Serial No. 572,518
1 Claim. (Cl. 144—303)



In a toolmaker's vise of the class described adapted for holding work pieces, a pair of work holding jaws, a pair of spaced side rail members for supporting said work holding jaws for longitudinal movement therealong, a cross head connecting one end of said side rail members and having a screw rotatable therein connected with one of said work holding jaws for moving said work holding jaw upon rotation of said screw, a plurality of spaced slots on the proximate faces of said side rail members, said slots having parallel proximate faces inclined at an angle to a plane containing said side rail members, a single parallelogram shaped swivelable plate member mounted on the other of said work holding jaws and having planar parallel surfaces on the extremities thereof inclined to the major axis of said single parallelogram shaped swivelable member for locking in said slots, the inclined faces of said spaced parallel slots of said side rail members and said planar parallel surfaces on the extremities of said parallelogram shaped swivelable plate member being adapted for contact upon rotation of said parallelogram shaped swivelable plate member to form a stop against further unintended rotative movement of said parallelogram shaped swivelable plate member and whereby said other work holding jaw may be rapidly adjusted in position on said side rail members and locked in position by said single parallelogram shaped swivelable plate member.

2,473,644
SINKER
John Groza, Detroit, Mich.
Application November 18, 1946, Serial No. 710,682
2 Claims. (Cl. 43—27)

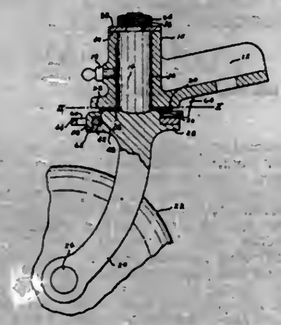
1. A device for use on fish lines to prevent snagging comprising a pair of plate elements each bent to form angularly disposed wings thereon, tabs formed on each of said elements at the ends of their apex portions with each tab having an aperture formed therein, said elements being positioned with their apices in back to back abut-

ting relation, the upper edges of the elements being tapered in converging relation towards said



line of abutment, and means securing said elements in said position.

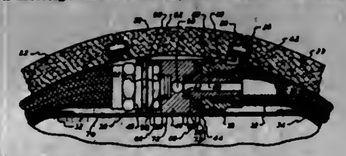
2,473,645
STEERABLE TAIL WHEEL
Charles Hollerith, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application April 22, 1946, Serial No. 663,991
6 Claims. (Cl. 244—50)



1. A full swivel steerable tail wheel assembly, comprising a wheel bracket including a vertical post, a fixed body in which said post is supported for full swivel movement, a pair of superimposed apertured relatively flat plates concentrically arranged and supported upon said bracket and post, one of said plates having steering connections to oscillate the same in a substantial arc, means providing a drive between said plates, a drive connection between the other of said plates and said bracket for oscillating said bracket through said arc, fixed abutment means engaging with said other plate upon oscillation within the limits of said arc, said other plate being bodily shiftable by said first plate following engagement with said abutment means to break said drive connection with said bracket, to permit said bracket to full swivel, and continuously acting spring means for re-establishing said drive connection with the driven part of said bracket located in said arc.

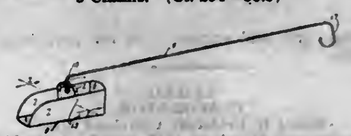
2,473,646
EXPANDER TUBE FOR BRAKES
Charles Hollerith, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application November 27, 1944, Serial No. 565,338
4 Claims. (Cl. 137—156)

1. In a fluid brake having a brake element displaced by fluid pressure confined within an actuating means, actuating means comprising a pair of double ended expander tubes, end fittings for said tubes, a fluid manifold in which said fittings are received, and means for detach-



ably connecting said end fittings to said manifold.

2,473,647
HANDY STOKER SCOOP
Otis L. Hulstedt, Woodhull, Ill.
Application March 7, 1947, Serial No. 733,143
3 Claims. (Cl. 294—53.5)



1. In a device of the character described, the combination of an open end scoop having a laterally curved bottom, upwardly extending sides and an outwardly curved closed end connecting said sides, a brace member formed as an inverted U secured on said sides intermediate the ends and extending upwardly of said sides, the portion of said brace member intermediate said sides being tilted slightly relative to the bottom of said scoop and having a central opening therein, a longitudinal handle bent at an angle near one end thereof to form an extending portion terminating in a hand grip and a relatively short dependent portion adapted to engage in said central opening rotatably mounting said scoop thereon, a flanged collar secured on said dependent member, the flange thereof being arranged to bear on the sides of said brace member removed from said scoop, a second flanged collar slidably carried on said dependent member, the flange thereof bearing against the side of said brace member adjacent said scoop, the said flanges cooperating to engage the said brace member therebetween, a third flanged collar secured on said dependent member closely adjacent the end thereof, and a helical compression spring surrounding said dependent member and mounted under compression between the flanges of said second and third collars to press said second collar and flange against said brace member whereby said brace member is releasably secured between said first and second flanges to maintain said scoop in a predetermined position relative to said handle.

2,473,648
CONTROL KNOB OF THERMOPLASTIC MATERIAL
Gerald V. Jakeway, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application November 29, 1945, Serial No. 631,614
7 Claims. (Cl. 74—553)

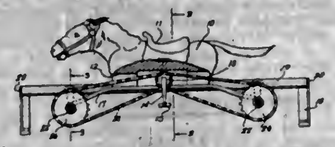
1. A knob comprising a thermoplastic body member of premolded thermoplastic material provided with a spindle socket and an external peripheral flange at its outer end, the outer side of the flange being flush with the end of the body

member, the flange having an annular rearwardly facing groove of substantial width and depth in its inner side, a cap of premolded thermoplastic material having an external peripheral flange at its inner end arranged on said body member in abutting relation thereto and with its flange overlapping and abutting the flange of said body member but being of less radial diameter than the radial diameter of the flange on the body member, and an annular coupling and grip member of thermoplastic material closely em-



bracing the flange on said body member and having a flange at its inner end in interlocking engagement with the rearwardly facing groove on the flange of the body member and closely embracing the side of the body member constituting the inner wall of the groove, the outer end of the coupling member being in upset engagement with the top and periphery of the cap member flange and the outer side of the body member flange which projects beyond the flange of the cap member and in closely embracing relation to the side of the cap member.

2,473,649
HOBBYHORSE
John Jensen, Chatsworth, Ill.
Application April 29, 1947, Serial No. 744,721
4 Claims. (Cl. 272—73)



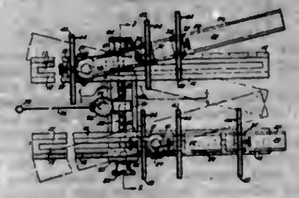
1. In a hobby horse, a supporting frame, crank shafts transversely journaled in said frame adjacent the opposite ends thereof, resilient connecting and supporting members extending between the crank pins of said shafts, said shafts being rotatable within journals carried by the ends of said members, a body carried by said supporting members, and means for rotating said crank shafts simultaneously to impart movement to said body.

2,473,650
PHONOGRAPH PICKUP WITH MECHANICAL FILTER
Henry P. Kalmus, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application June 10, 1943, Serial No. 490,296
2 Claims. (Cl. 179—100.4)



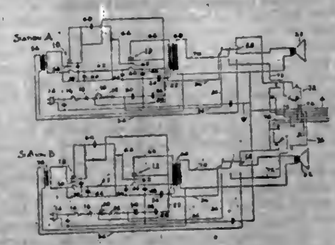
1. In a phonograph pickup, a supporting arm, a pickup head, a mechanical filter element connected between said arm and head, a vibratile member supported in said head, and electrical circuit connections including said filter element electrically connected with said vibratile member.

2,473,651
ADJUSTABLE TARGET STAGE
Herman Katz, Oakland, Calif.
Application November 23, 1945, Serial No. 630,375
7 Claims. (Cl. 128—76.5)



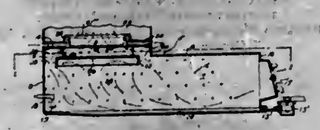
1. In eye exercising apparatus including means to divide a patient's vision into two separate fields and to limit monocular vision to a single field, primary guide means in the respective fields and extending generally parallel to the patient's lines of vision in said fields, secondary guide means carried by and movable longitudinally of said primary guide means, means to position said secondary guide means at various positions of angularity with respect to the primary guide means, and targets carried respectively by the primary and secondary guide means and adjustably positionable therealong.

2,473,652
THERMIONIC VACUUM TUBE CIRCUIT FOR INTERCOMMUNICATION SYSTEMS
Sol J. Klapman, Chicago, Ill.
Application January 11, 1947, Serial No. 721,589
17 Claims. (Cl. 179—37)



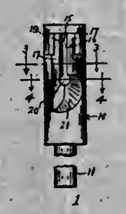
1. An amplifier for an intercommunication system comprising a plurality of thermionic tubes; anode, cathode, and grid electrodes for each of said thermionic tubes; a power source; means connected to said power source for supplying voltage at said anode and grid electrodes; a filter system in circuit with said cathode electrodes; a capacitor charged at the anode supply voltage when said tubes are in a non-emitting condition; and switch means for connecting said capacitor in circuit with said cathode electrodes for rapidly heating said cathode electrodes upon the discharge of said capacitor.

2,473,653
OIL BURNER HAVING AIR ADMISSION AND FUEL VAPORIZATION MEANS
Harry C. Little, San Rafael, Calif.
Application November 20, 1944, Serial No. 564,290
5 Claims. (Cl. 158—91)



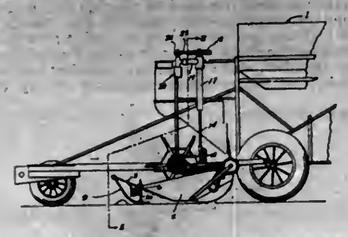
1. In a liquid fuel burner, means forming a horizontally-elongated fuel vaporizing and air admixing chamber provided with a plurality of air inlets in its side walls, means for delivering a regulated amount of liquid fuel to the lower part of said chamber, a heat conducting plate mounted adjacent the top of said chamber and provided with a downwardly directed flange around its periphery, means adjacent the top of said chamber providing a burner throat of smaller circumference than and located proximately above said plate, the flange of said plate being spaced from said chamber side walls so as to allow passage of fuel vapor from said chamber into said burner throat, a combustion chamber above said burner throat, means to supply air to the space between the throat and the plate, means for supplying air to the vaporizing chamber directly from the exterior thereof and toward said flange, and means for supplying secondary air to the throat above said space.

2,473,654
ROTARY CLEANING TOOL
George H. Loeser, Malden, and Charles C. Gangle, Woburn, Mass., assignors to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application November 23, 1944, Serial No. 564,887
3 Claims. (Cl. 15—104.04)



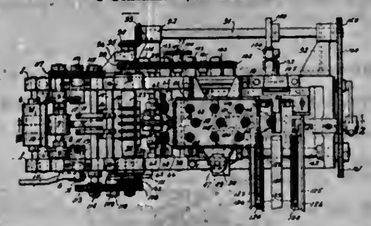
1. A rotary cleaning tool comprising a steel body provided with an axial work-receiving bore and an annular series of circumferentially spaced segments around the bore, cutters on the leading inner edges of said segments, a clean-out opening at the inner end of and at an angle to the bore, the sides of said segments sloping from the periphery of the body to the bore and wall of said clean-out opening to discharge shavings removed by said cutters and one of said sides having a curved surface adjacent the inner end of said bore.

2,473,655
COMBINE PLATFORM CONTROL
Leif K. Lohn, Norwich, N. Dak.
Application January 2, 1948, Serial No. 12
2 Claims. (Cl. 56—214)



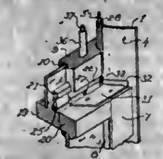
1. In a combine having a vertically-adjustable platform, the combination with a reversible electric motor operatively connected to said platform for raising and lowering the same, of a bar fixed to said platform and extending forwardly thereof in vertically-spaced relation to the ground, a shoe hinged to said bar and extending downwardly and rearwardly into engagement with the ground, said bar being formed with a substantially-vertically-disposed guide in overlying relation to said shoe, a rod pivoted to said shoe and vertically slidable in said guide, vertically-spaced fixed upper and lower contacts depending from said bar in proximity to said rod, a movable contact carried by said rod between said fixed contacts, said movable contact engaging said upper fixed contact upon upward movement of said shoe and rod relative to said bar, said fixed contact engaging the lower fixed contact upon downward movement of said shoe and rod relative to said bar, and circuit means operatively connecting all of said contacts to said motor whereby to drive said motor in opposite directions upon engagement of said movable contact with said upper and lower fixed contacts so as to raise and lower said platform automatically in conformance with vertical movement of said shoe.

2,473,656
MACHINE FOR FORMING ARTICLE SUPPORTING PALLETS FOR WRAPPING MACHINES
Norman W. Lyon and Roland E. Brown, Springfield, Mass., assignors to Package Machinery Company, East Longmeadow, Mass., a corporation of Massachusetts
Application December 12, 1947, Serial No. 791,268
6 Claims. (Cl. 154—30)



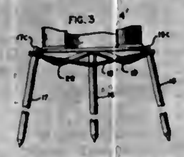
4. A machine for making article supporting pallets for wrapping machines which comprises means for advancing a web of thin cardboard, oppositely paired shaping rolls to which the web is fed by said advancing means, a cutter positioned between the advancing means and the shaping rolls to sever pallets of predetermined length from the web, the shaping rolls making driving engagement with the longitudinal central portion only of the web and severed pallets, the outer end portions of the shaping rolls being contoured to freely bend the edge portions of the pallets into parallel corrugations one at each side of the engaged central portion, a pair of opposed contoured forming rolls making a driving engagement over the entire width of the pallets to permanently set the corrugations in the pallets and stationary side guides engaging the edge portions of the pallets between the shaping and forming rolls to maintain the shape of the corrugations during the passage of the pallets from the shaping rolls to the forming rolls.

2,473,657
WINDOW FRAME AND SASH
Edward H. McClintock, West Springfield, Mass.
Application March 9, 1945, Serial No. 581,763
3 Claims. (Cl. 189—72)



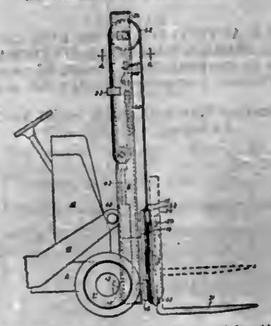
1. In combination, a window frame having stool and head and stiles, the inner and confronting faces of the stiles being substantially in the form of opposed and vertically-disposed wedges with the points of the wedges disposed in the median vertical plane of the frame, upper and lower sash slidably mounted one on the confronting wedge faces on one side of said plane and the other on the confronting wedge faces on the other side of said plane, and means for limiting the movement of the sash away from said plane, said means including two members secured one to each end of a horizontal rail of one of said sash and extending across said plane and in outwardly diverging relation to slidably engage one with each of the confronting wedge faces on which the other sash is slidably mounted.

2,473,658
BROILER
Lawrence D. Milligan, Lake Forest, Ill.
Application April 19, 1947, Serial No. 742,685
8 Claims. (Cl. 248—151)



1. A supporting stand for a cooking utensil or the like comprising at least three separate unconnected elongate legs arranged symmetrically about a vertical axis and spaced radially from said axis at both their top and bottom ends, said legs each being inclined upwardly toward said axis, said legs being interconnected near their upper ends only through the medium of one or more tie members, the upper end portions of said legs each extending through said tie member or members and forming fingers which are operative conjointly to grip the base of the cooking utensil, said tie member or members being sufficiently flexible in the horizontal plane to enable said fingers to be spread apart to receive the base of the cooking utensil by moving the lower ends of said legs laterally toward the vertical axis of the stand, said tie member or members being operative to spring-press said fingers radially against the base of the cooking utensil.

2,473,659
INDUSTRIAL TRUCK
Herman C. Musgrave, East Cleveland, Ohio, assignor to Towmotor Corporation, Cleveland, Ohio, a corporation of Ohio
Application June 10, 1946, Serial No. 675,745
10 Claims. (Cl. 214—113)

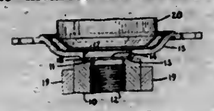


1. In an industrial truck, in combination with the front portion of the frame thereof and a substantially vertical mast supported thereby, a carriage assembly comprising a supporting member slidably mounted upon the mast and a rotatable member mounted for rotary movement upon and with respect to the said supporting member, a sheave secured to the said rotatable member with its axis of rotation coincidental with the axis of rotation of said rotatable member, and means for imparting rotary movement to the said rotatable member, the said means comprising a pair of cylinder and piston rod elements, one of the elements of each pair being movable with respect to the other element of each pair, a guide carried by each of the movable elements of each pair of elements, pulley means supported on said carriage assembly and disposed above said guides and sheave and a flexible operating member having its ends secured to a non-reciprocable portion of the truck above said guides and below said pulley means and extending thence about the respective guides and about the respective pulley means with the bight of the said flexible member extending around and having a driving connection with a portion of the aforesaid sheave.

2,473,660
WELDED STRUCTURE AND METHOD OF ASSEMBLING SAME
Edwin A. Parmann, Batavia, Ill., assignor to Furnas Electric Company, Batavia, Ill., a corporation of Illinois
Application February 12, 1947, Serial No. 728,024
5 Claims. (Cl. 285—25)

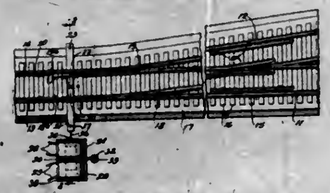
1. An article of manufacture comprising, a member having a bore, a plate-like member of

lesser width than that of said first-mentioned member but wider than said bore, said plate member being disposed near an end of said first member and having an aperture of lesser diameter than said bore to form a constricted passage, and a flange-like member surrounding said plate



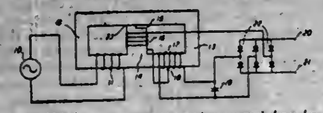
member and being integrally united by welding to said first member, said flange member having a portion thereof extending inwardly over the outer edge of said plate member to securely unite said plate member to said first member and provide an integral structure.

2,473,661
DOUBLE-ACTING SOLENOID FOR CONTROL OF MODEL RAILROAD SWITCHES
Howard B. Peabody, Lake Forest, Ill., assignor to The Pioneer Company, Chicago, Ill., a partnership
Application March 23, 1948, Serial No. 16,562
4 Claims. (Cl. 175—337)



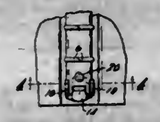
2. A mechanism for actuating a railroad switch comprising a sleeve having an aperture extending partially about its periphery, a solenoid surrounding said sleeve, a magnetic core of smooth surface configuration in said sleeve and axially shiftable in response to energization of said solenoid, a U-shaped braking member extending through said aperture into engagement with said core, and means operable to pinch together the free ends of said braking member.

2,473,662
RECTIFYING ARRANGEMENT
George H. Pohm, Lorain, Ohio, assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio, a corporation of Ohio
Application August 2, 1944, Serial No. 547,775
14 Claims. (Cl. 175—363)



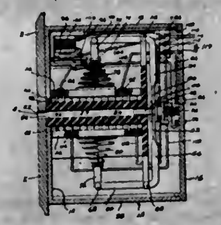
1. A rectifying arrangement comprising in combination a polyphase rectifier, a transformer having a main flux path with a saturable portion and a leakage flux path magnetically in parallel with the saturable portion, said leakage flux path having a plurality of portions having differing magnetization characteristics, at least one of said portions having a non-linear magnetization characteristic, said transformer having a plurality of windings, one of which is adapted to be connected to a source of single-phase alternating current, a capacitor connected to another of said windings and adapted to provide magnetizing current for said saturable portion of the main flux path, and circuit connecting means for energizing the polyphase rectifier from said plurality of windings.

2,473,663
RING BINDER CONSTRUCTION
John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application October 4, 1945, Serial No. 620,314
1 Claim. (Cl. 129—24)



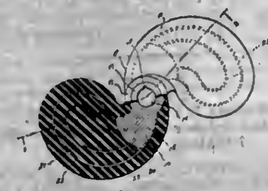
In a ring binder mechanism having toggle plates in hinged relation at their inner edges and by which plates the rings are carried and a spring plate including top and side portions providing yielding seats for the outer edges of the toggle plates, the spring plate having rivet openings near its ends for securing the mechanism to the back panel of a binder cover; a sheet metal stamping shaped as a frame having a base portion extending beneath the spring plate near one end thereof and having side portions embracing the sides of the spring plate in a rigid load bearing grip, said frame also having a cylinder form of spacer portion at its inner end in alignment with the adjacent rivet opening, and a booster lever having an opening through which the spacer portion passes, said lever having a fulcrum engagement on the base portion of the frame, the inner end of the lever engaging the underside of the toggle plates at their hinged portions for toggle operation by said lever, all constructed and arranged for such structure by reason of said sheet metal frame construction in the combination stated to be operable for effective test before it is riveted to a binder back panel for its normal use.

2,473,664
ELECTRIC LOCKING DEVICE
Joseph E. Taylor, Philadelphia, Pa.
Application May 10, 1946, Serial No. 668,898
8 Claims. (Cl. 175—320)



1. A key operated electric switch for connecting the opposite sides of a power source to the opposite sides of a load circuit comprising a plurality of spaced apart contacts positioned for simultaneous engagement by a key and electrically insulated from each other, a switch circuit for connecting the opposite sides of the power source to the opposite sides of the load circuit and including a gap between two selected contacts, said contacts being electrically connectable by a properly coded key inserted into said key operated switch, normally closed electro-magnetic switch means interposed in said switch circuit in series with said gap and operated to open said switch circuit when energized, and an energizing circuit for said electro-magnetic switch means extending between the opposite sides of said power source and including in series said electro-magnetic switch means and a gap between two separate groups of non-selected contacts, whereby said electro-magnetic switch means will be energized to interrupt said switch circuit if any contact of one group is electrically interconnected with any contact of the other group of non-selected contacts.

2,473,665
PROPELLER
William W. K. Van Nort, Cabin John, Md.
Application September 20, 1946, Serial No. 698,121
1 Claim. (Cl. 170—159)



In a flexible propeller comprising a pair of flexible propeller blades, a rigid core member within the propeller having a hub portion and integral arm portions extending limited distances into the propeller blades, the features which include having the propeller as a whole provided with an S-shaped profile with the blades widening gradually from the inner to the outer ends thereof and the outer ends being rounded, having the arm portions extending part way into the main body portions of the blades and widening gradually from the hub portion to the outer ends thereof, a pair of independent flexible wire members extending fixedly at both ends of both members into the outer end of each arm portion within the propeller blade respectively associated therewith, and extending from the arm portions in the form of a pair of rounded loops disposed in each blade independently in substantial parallel relation, with one spaced uniformly within the other and both generally conforming to the curved contour of the outer curved edge of said propeller blade.

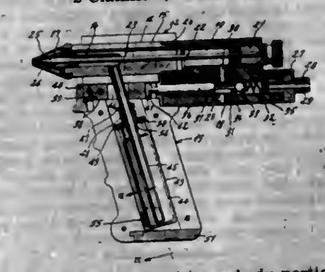
2,473,666
SASH BALANCE
August Viehweger, Comstock Park, Mich., assignor to Grand Rapids Hardware Company, Grand Rapids, Mich., a corporation of Michigan
Application January 23, 1946, Serial No. 642,845
8 Claims. (Cl. 16—197)

7. A tubular element for sash balances formed of a strip of metal of substantial width spirally wound upon itself with the convolutions thereof overlapping substantially one-half the width of the strip, the overlying portion of the strip having an outwardly projecting rib of inwardly facing curved channel section on its edge, the underlying



portion of the strip being inwardly folded and offset substantially the thickness of the strip.

2,473,667
SPRAY GUN
Michael M. Warner, Chicago, Ill.
Application June 14, 1945, Serial No. 599,434
2 Claims. (Cl. 299—88)

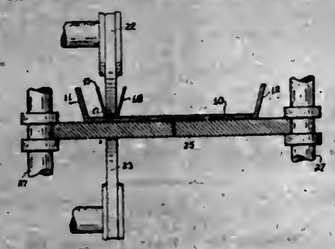


1. A spray gun comprising a body portion and a grip portion, said body portion including an air passageway and a paint passageway disposed longitudinally therein, a conical nozzle connected to said passageways with the paint passageway centrally disposed and the air passageway forming an annular discharge orifice about said paint passageway, a spring-pressed valve controlling flow of air into said air passageway, a sliding rod mounted in the body for transmitting the movement of the operator's finger directly by a sliding movement to said valve for unseating the same to permit flow of air into said air passageway, said grip member abutting said body portion and having a chamber therein and a paint container disposed in said chamber in communication with the paint passageway of said body portion.

2,473,668
ELECTRIC RESISTANCE WELDING METHOD
Oral Welsh, Elyria, Ohio, assignor to Brown Fintube Company, Elyria, Ohio, a corporation of Ohio
Application July 15, 1947, Serial No. 761,098
1 Claim. (Cl. 219—10)

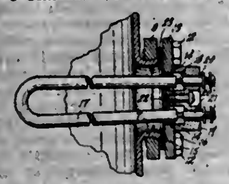
The method of resistance welding a relatively light gauge, elongate, channel section, steel finned member to a relatively stiff heavy gauge steel

plate member in a seam welder having a pair of substantially identical electrode rolls disposed in substantially the same plane by a series of resistance welds, which includes the steps of positioning a relatively soft and highly current conductive metal plate against one face of said steel plate member to provide a substantial area of contact between the adjacent surfaces of each and positioning said elongate member against the opposite face of said plate member, positioning one electrode roll of said welder against said elongate member and the other electrode roll of said welder against said current conductive metal plate in position to make rolling contact with the outer face of said elongate member and said cur-



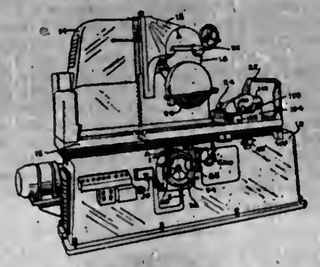
rent conductive metal plate, respectively, urging said electrodes toward each other with pressure sufficient to deform said current conductive metal plate to cause it to conform to said steel plate member and to provide substantial areas of electrical contact between said current conductive plate and said steel plate member and the adjacent electrode roll, respectively, moving said electrode rolls and the assembly made up of said finned member and said plate member relative to each other to cause the electrode rolls to traverse the region to be welded and passing a welding current from one electrode roll to the other through said assembly to form a line of resistance welds between the finned member and plate member without substantially damaging said plate member opposite the welds.

2,473,669
TANK PORT AND COUPLING
Gerald E. White, Middleville, Mich., assignor to White Products Corporation, Middleville, Mich.
Application November 16, 1946, Serial No. 710,581
6 Claims. (Cl. 219—38)



1. A port and coupling for a tank having a sheet metal wall comprising a drawneck extruded outwardly from the wall of said tank, and a coupling ring defining a beveled aperture pressed around said drawneck and spaced from the wall of said tank with the beveled portion thereof facing outwardly, the outer end of said drawneck being spun outwardly to lap against said beveled portion, the end surface of said drawneck being machined flat in a plane parallel to said coupling ring and spaced therefrom, said ring defining a series of tapped apertures thereabout.

2,473,670
GRINDING MACHINE
John C. Wilson, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio
Application June 7, 1945, Serial No. 596,031
20 Claims. (Cl. 125—11)



1. In a method of shaping a grinding wheel by a crushing roll; pressing the said wheel and said roll together; driving the said wheel and said roll at the same peripheral speed; and incrementally feeding the said wheel and roll towards each other during continued rotation of said wheel and roll for a complete dressing cycle.

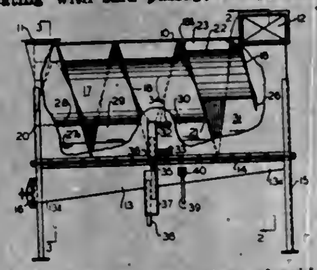
2,473,671
CRUTCH
William J. Yackley, Peoria, Ill.
Application October 9, 1945, Serial No. 621,199
7 Claims. (Cl. 135—49)



1. In combination, a pair of crutches, each of said crutches having an arm-pit support, a hand grasp on each of said crutches, a spacer element extending between said crutches, a plate carried by each end of said spacer element, a plate provided with a notch on each of said arm-pit supports, the plates of said spacer element being pivotally secured to the plates respectively of said arm-pit supports, a pivoted latch on each of said crutches and adapted to engage with the notch of the plate of said arm-pit support complemental thereto, means on said hand grasps for operating said latches, and means for holding said latches in engagement until released by the means on said hand grasps.

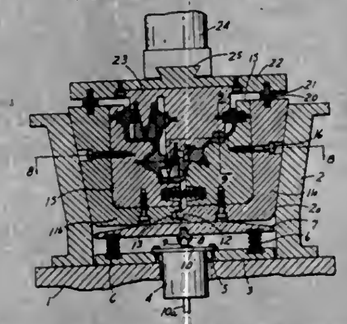
2,473,672
DUST COLLECTOR
Giovanni C. Zilliotto, Lake Orion, Mich.
Application November 13, 1946, Serial No. 628,280
6 Claims. (Cl. 261—119)

1. An air cleaner comprising a main outer casing member, an inner casing member disposed within said outer member and spaced therefrom, the lower portion of each casing member being formed by downwardly converging side walls, a helical blade interposed between said members and forming a helical passage between said members, said blade having the opposite edge portions thereof conforming to the shape of the opposed surfaces of said casing members, a tank communicating with said passage at opposite sides



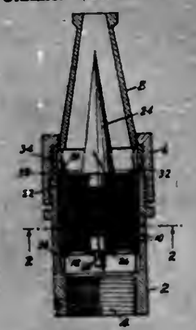
of the lower portion or portions of said blade, means for maintaining a body of liquid within the tank and within the lower portion of the outer casing member at a level or levels to cause the lower portion or portions of said blade to be constantly submerged in the liquid and to form restricted spaces between the surface of said liquid and the bottom of the inner casing member whereby air flowing through said passage will impinge against said surface.

2,473,673
MACHINE FOR STRAIGHTENING AND SIZING CASTINGS, FORGINGS, STAMPINGS, OR THE LIKE
Clarence W. Bell, Lakewood, Ohio
Application December 4, 1945, Serial No. 632,676
7 Claims. (Cl. 153—33)



3. In a straightening and sizing machine, a holder comprising an outer hollow body having downwardly and inwardly inclined camming walls, die shoes having outer cam surfaces coacting with said walls and mounted in the holder, a yieldable support in the holder on which the shoes are rockably carried, a base member on which the holder is mounted, the die shoes being interlocked at their lower portions for rocking spreading movement at their upper portions, lower die members on the die shoes, spring means between adjacent portions of the shoes to separate them when they are elevated, a support above the holder, and movable downward toward the holder, and upper die members on the support to enter between the lower die members on downward movement of the support to effect rocking pressure movement of the lower die shoes and die members thereof toward each other and toward the upper die members.

2,473,674
NOZZLE
Frederick Boehm, Philadelphia, Pa., assignor to Schutte and Koerting Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 25, 1944, Serial No. 565,078
4 Claims. (Cl. 299—117)

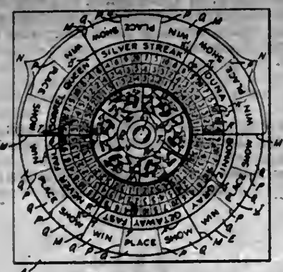


1. A nozzle comprising a body having a pair of relatively angularly displaceable members and having a passage for fluid therethrough, means defining helical portions of said passage comprising a series of thin elements having outwardly extending arms, the arms of the elements being progressively angularly displaceable to provide helical bounding walls for said portions of the passage, means interconnecting said members and said thin elements and adapted to assume helical shapes of pitches dependent upon the relative angular displacements of said members, thereby to control the pitch of said helical portions of said passages, said interconnecting means comprising flexible members passing through openings in the peripheral portions of said thin elements, and means to secure said elements between said body members.

2,473,675
ROTATING DISK RACING GAME
Clarence F. Boreszewski, Camden, N. J.
Application May 20, 1945, Serial No. 596,731
3 Claims. (Cl. 273—141)

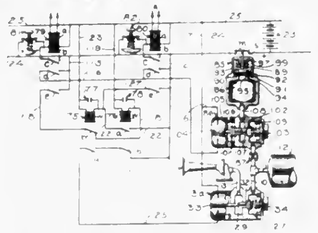
1. A racing game comprising a base having a plurality of concentric areas, said areas being divided into a plurality of radially aligned sectors, each sector of one of said concentric areas designating a different participant in any one race, each sector of another of said concentric areas being subdivided circumferentially into a number of subdivisions each of which designates a selection to be made by a player of the anticipated position of a particular participant in the race relative to the other participants therein at the conclusion of play representing said race, and each sector of a third of said concentric areas being subdivided into a like number of radially-adjacent, circumferentially extending rows within the sector, said rows being further subdivided into a plurality of radial columns of blocks extending through said number of rows, at least

certain of said blocks bearing indications designating odds payable to a player in accordance


SILVER STREAK
PLACE
SHOW
WIN
PLACE
SHOW
WIN
PLACE
SHOW
WIN

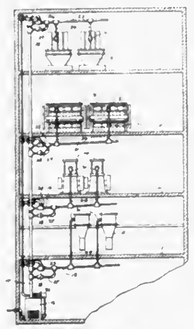
member and adapted to impose on the system the same mechanical load as the member and to produce a potential varying in magnitude and polarity to represent the motion of the driven member under the control of the signal, a potentiometer calibrated in terms of the displacement of the member by the signal connected to the potential producing means to form a bridge circuit and a contact on the potentiometer for balancing the bridge circuit.

2,473,683
RELAY CONTROL SYSTEM
Claude M. Hines, Verona, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application April 30, 1942, Serial No. 441,197. Divided and this application June 23, 1945, Serial No. 601,104
7 Claims. (Cl. 175—373)



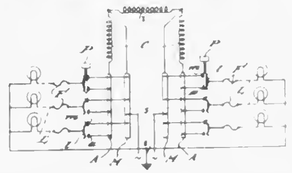
1. In a control system, the combination of two relays each of which has a winding effective upon energization to cause pick-up of the relay, means associated with each of said relays for imparting a slow drop-out characteristic to said relay, means for causing energization of the winding of one of said relays, means effective in response to pick-up of said one relay for causing energization of the winding of the other of said relays, means effective in response to pick-up of said other relay for effecting deenergization of the winding of said one relay, and means controlled jointly by said two relays for effecting periodic control impulses.

2,473,684
FUMIGATING SYSTEM
Arthur G. Howard, Flint, Mich.
Application June 3, 1946, Serial No. 673,999
9 Claims. (Cl. 21—108)



4. In combination with a building structure having a plurality of floor levels and equipment to be fumigated on each level, a generator for an insecticidal gas located on a lower floor level of such structure, a standpipe extending from said apparatus, distribution lines communicating with said standpipe one at each floor level, and a plurality of conduits connecting each distribution line with equipment located on said level.

2,473,685
CURRENT DISTRIBUTION PANEL
Ernest G. Johansson, Belmont, Mass., assignor to Anchor Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application August 26, 1944, Serial No. 551,372
2 Claims. (Cl. 175—183)



1. A distribution meter panel for normally feeding a plurality of load circuits directly from a supply circuit and for selectively diverting without interruption any one of the load circuits through the meter of the panel, said panel comprising a series of switches each switch having a main supply contact, an auxiliary supply contact, and a load contact; a main bus having a supply terminal for connection to one side of said supply circuit the other side of which is connected to said load circuits, means for connecting it to one terminal of a coil of said meter, and connections to said main supply contacts; an auxiliary bus having means for connecting it to the other terminal of said coil, and connections to said auxiliary contacts; a plurality of terminal means for connection to said load circuits, each terminal means being connected to a respective one of said load contacts; and switch actuating means for connecting the load contact of a selected switch to either its main or auxiliary supply contact or to both main and auxiliary contacts, said actuating means being movable from a position in which only load and main supply contacts are connected, through an intermediate position in which all three contacts are connected to a position in which only load and auxiliary supply contacts are connected whereby, by moving said actuating means, said coil may be included in and removed from any one of said load circuits without interrupting the connection between load and supply circuits.

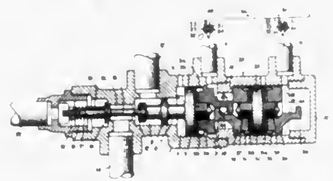
2,473,686
COMPOSITE BILLET AND MANUFACTURE THEREOF
Walter L. Keene, Dormont, Pa., assignor to Superior Steel Corporation, Carnegie, Pa., a corporation of Virginia
Application February 12, 1946, Serial No. 647,015
6 Claims. (Cl. 29—196.1)

1. A method of making a composite billet comprising assembling billet components of stainless steel and cuprous metal with a sheet of ordinary steel therebetween which is bondable to both the stainless steel and the cuprous metal, sealing the edges of the sheet of ordinary steel to the billet component of stainless steel to protect the



stainless steel against oxidation and fastening together the assembled billet components.

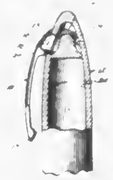
2,473,687
FLUID PRESSURE RELAY VALVE MECHANISM
Norman G. Kershaw, London, England, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 25, 1946, Serial No. 679,097
In Great Britain October 9, 1945
2 Claims. (Cl. 121—38)



1. A control mechanism comprising a casing, first and second movable abutments disposed in said casing in coaxial relation to each other, adjacent faces of said abutments cooperating with said casing to form a first pressure chamber, the opposite face of said second abutment cooperating with said casing to form a second pressure chamber, means for conveying fluid under pressure to and from said chambers individually, said first abutment having a normal position and adapted to be moved out of said normal position to a second position by fluid under pressure in said one chamber, an element associated with said first movable abutment having an interlock finger disposed in said one chamber, another element associated with said second movable abutment having an interlock finger disposed in said one chamber in the path of movement of the first mentioned interlock finger and adapted to engage said first mentioned interlock finger upon movement of said second abutment by fluid under pressure in said first chamber to hold said first abutment against movement, said second abutment being movable upon supply of fluid under pressure to said second chamber to move the respective interlock finger out of contact with the other finger to render said first movable abutment movable by fluid under pressure in said first chamber.

2,473,688
CLIP FOR WRITING INSTRUMENTS
Lynn P. Martin, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application December 14, 1944, Serial No. 568,111
6 Claims. (Cl. 24—11)

1. The combination with a slotted cap of a writing instrument, of clip means comprising an arm disposed exteriorly of a wall of the cap, rigid means on said arm guided by and extending movably through said slot, and an S-shaped spring having a portion thereof disposed interiorly of the wall of said cap one end of said spring



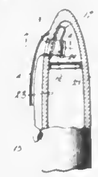
being fixed with respect to said interior wall and the other end being fixed to said arm for yieldably maintaining said arm in an operative position with respect to said outer cap wall.

2,473,689
CLIP FOR WRITING INSTRUMENTS
Charles N. Colstad, Cranston, R. I., assignor, by mesne assignments, to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application January 24, 1945, Serial No. 574,355
6 Claims. (Cl. 24—11)



1. The combination with a slotted cap of a writing instrument or the like, of clip means comprising an arm disposed exteriorly of a wall of the cap, a rigid projection on said arm extending through said slot, said rigid projection having an angularly extending portion spaced from the inside wall of said cap and resilient means engaged between said angularly extending portion and said cap wall for yieldably urging said arm against said exterior wall.

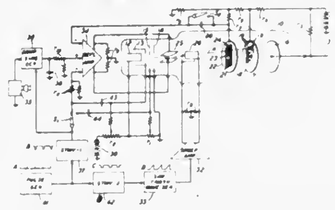
2,473,690
CLIP FOR WRITING INSTRUMENTS
Wilbur K. Olson and Lynn P. Martin, Fort Madison, Iowa, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application January 31, 1945, Serial No. 575,407
5 Claims. (Cl. 24—11)



1. The combination with a slotted cap of a writing instrument or the like, of clip means comprising an arm disposed exteriorly of a wall of the cap, a rigid projection on said arm extending through said slot, and resilient means

comprising a substantially U-shaped spring having one end engaging the interior wall of said cap and the other end engaging said rigid projection for yieldably maintaining said arm in an operative position with respect to said outer cap wall.

2,473,691
STABILIZATION OF CATHODE BEAM TUBES
Larned A. Meacham, New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 5, 1947, Serial No. 766,211
13 Claims. (Cl. 315—21)



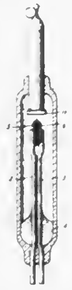
1. Signal translating apparatus which comprises an electron discharge device having means for projecting a focussed beam of electrons, a target member for said beam having a plurality of different discrete target areas, means controlled by a signal to be translated for deflecting said beam to selectively strike one of said areas, and means for preventing wander of said beam from an area first struck, said wander-preventing means comprising an auxiliary electrode in the path of said beam comprising a plurality of elements aligned with the divisions between the separate areas of said target member, each pair of adjacent elements defining a beam path from said beam-projecting means to one of said areas, means for feeding back to said deflecting means a current flowing by way of said beam from said beam projecting means to any of said elements, said feedback current having a beam-confining component which varies cyclically with the location of said beam with respect to said elements and having an average value, means for interrupting the beam-confining component of said feedback current, and means for applying to said beam-deflecting means a current which is equal to said average valve independently of said interruptions.

2,473,692
UNDERGARMENT FOR MEN
Daniel W. Murphy, West Islip, N. Y.
Application May 10, 1946, Serial No. 668,729
2 Claims. (Cl. 2—234)



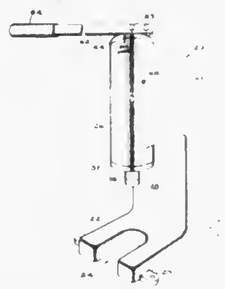
1. An undergarment comprising a waistband, leg and crotch portions, a fly opening extending upwardly on a curve away from the center line of the garment from a point above the crotch portion and to one side of the center line through the waistband and fastening means in the waistband only for securing the garment on a wearer and closing the fly opening.

2,473,693
MERCURY CONTACT DEVICE
Charles E. Pollard, Jr., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 19, 1947, Serial No. 775,081
6 Claims. (Cl. 200—112)



1. In a circuit maker and breaker, a sealed envelope having a pool of mercury therein, a mercury wick sealed in said envelope and extending from said pool of mercury, a pair of parallel plates terminating the upper end of said wick and spaced sufficiently near each other to maintain mercury therebetween, a magnetically movable armature in the form of a thin plate of magnetic material conforming in shape but of slightly larger area than said plates suspended between said plates and supported by the force of the surface tension of said mercury and an electrode in cooperative relationship with said armature normally out of contact with said armature but within the plane of the surface of said armature.

2,473,694
MANUALLY OPERATED HYDRAULIC PRESS
Wendell E. Renick, Grove City, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application May 25, 1945, Serial No. 595,751
4 Claims. (Cl. 60—52)



2. A manually operated hydraulic press comprising a body having a piston chamber, a bore

in axial alignment with said chamber, an annular reservoir concentric with said bore, and passages connecting the ends of said chamber and said reservoir with circumferentially spaced points in said bore; a piston slidably received by said piston chamber; a plug disposed for oscillatory movement in said bore, said plug having a piston chamber and valve-containing inlet and outlet ports; a second piston disposed for reciprocatory movement in the chamber in said plug; and a hand lever pivoted for swinging movement on said plug to impart reciprocatory movement to said second piston, said lever and plug being movable about the axis of the latter to alternately connect the inlet and outlet ports with the passages leading to the opposite ends of the first-mentioned piston chamber, the passage leading from said reservoir being in constant communication with said inlet port.

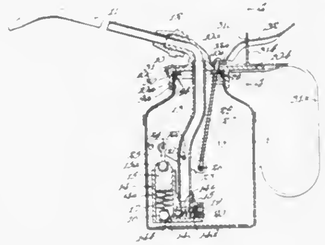
2,473,695
MULTIVALVE CONTROL STATION FOR SERVOMOTORS
Roy R. Stevens, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 21, 1947, Serial No. 723,327
14 Claims. (Cl. 121—38)



1. In combination, two operator's control means each comprising a lever having a zone of movement, self-lapping controlling structure operative by movement of said lever in said zone, and repeater means controlled by said structure in the other control means for automatically positioning the respective lever in accordance with the position of the other lever, and other means for selectively rendering the structure of either control means effective to control the repeater means in the other control means and for at the same time rendering the other structure ineffective.

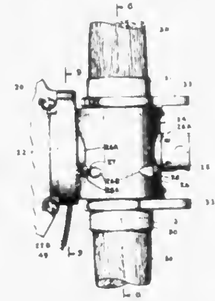
2,473,696
HAND OILER
Axel G. Anderson, Minneapolis, Minn.
Application October 24, 1945, Serial No. 624,228
2 Claims. (Cl. 222—385)

1. A hand oiler comprising a container, a cap therefor, a pump conduit assembly including a conduit attached to said cap running through the same and extending downwardly into the container and a pump located within the container and carried by said conduit, said pump including a reciprocating piston adapted to force oil through said conduit on a down stroke of the piston, a lever located within said container and intermediately pivotally mounted on said pump conduit assembly, a pitman pivotally connected to one end of said lever and having a ball and socket connection with said piston, a rod pivotally connected to the other end of said lever and projecting upwardly through said cap, a spring urging upwardly the end of the lever to which said pitman is connected, an operating finger



lever fulcrumed on said cap and connected to the upper end of said rod and a spout connected to the upper end of said conduit.

2,473,697
PROPELLER
Griffith Annesley, New York, N. Y.
Application May 26, 1944, Serial No. 537,386
6 Claims. (Cl. 170—160.47)

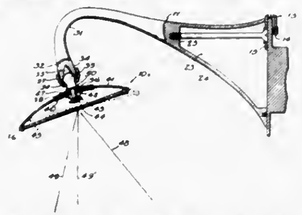


1. A ferrule having an open outer end adapted to receive the end of a propeller blade, combined with a hub having a bore adapted to fit a motor shaft and a bearing for rotatively supporting said ferrule on an axis normal to the axis of the bore, a longitudinally movable rod wholly within and parallel to the bore in the hub connected to the ferrule at a point spaced from its axis of rotation, means comprising a stop on the end of the rod engageable with said hub for limiting the movement of the rod in one direction, a counterweight affixed eccentrically to the ferrule arranged to move the rod longitudinally in said one direction, a disk freely rotatable on the motor shaft beyond the end of the rod and normally disengaged therefrom, and means for moving the disk into engagement with the rod to impart longitudinal movement to the rod in the opposite direction.

2,473,698
REARVIEW MIRROR ADJUSTABLE BY ROTATION ABOUT A MEDIAN AXIS
Fred J. Aves, Beverly Hills, Calif.
Application September 22, 1947, Serial No. 775,462
3 Claims. (Cl. 88—93)

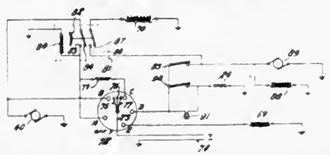
1. In a rear view mirror device, a casing carrying a mirror in its front and having a semispher-

ical rear wall of large radius relative to its area presenting an axial opening, a pair of relatively small, semispherical discs disposed, respectively, against and conforming to the inner and outer surfaces of said rear wall in covering relationship to said opening, said discs having coaxial openings smaller than the opening in said rear wall, a mounting post of round cross section having a diameter substantially equal the diameter of the opening in each of the respective discs,



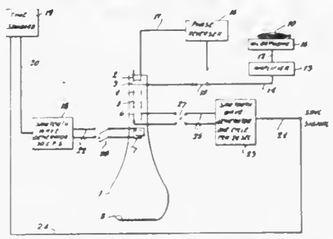
said post extending through said openings in said discs and said rear wall, means providing an annular abutment, of smaller diameter than the outer disc, around the post and in position to be frictionally engaged by the outer disc, spring means in the casing around the inner end of the post and bearing rearwardly against the inner disc whereby to resiliently urge the discs and casing towards said abutment, and bracket means supporting the post; said casing being laterally slidable relative to the discs and post.

2,473,699
AIRPLANE HEATER HAVING TWO-SPEED CONTROL
Clarence H. Bennett, Philadelphia, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application June 20, 1944, Serial No. 541,187
2 Claims. (Cl. 126—110)



1. In a heating system including a heater, means to supply a combustible mixture of air and fuel to the heater including a blower and a fuel supply line, means including a fan for circulating air to be heated past the heater, two pressure regulator devices connected in the fuel supply line to deliver fuel only at two fixed pressures to the heater, electrically operated valve means connected in the fuel line to permit fuel to be supplied to the heater at one or the other higher fixed delivery pressure, an ignitor for igniting the combustible mixture supplied to the heater, an electric motor for driving the blower and fan, two circuits for the motor to operate the latter only at two speeds or speed ranges, a time delay relay having an element movable from a first position to a second position after an interval of time following initial energization, switch means movable between an off position and two heat operating positions, means including the switch means in each of its heat operating positions to energize the ignitor and the time delay relay, means including the switch means in one heat operating position and the time delay relay when the element has moved to its second position to energize the motor through one of the circuits associated therewith and the electrically operated valve means so that fuel will be supplied to the heater at one fixed delivery pressure and the motor will operate at one speed or speed range, and means including the switch means in the other heat operating position and the time delay relay when the element has moved to its second position to energize the motor through another of the circuits associated therewith and the electrically operated valve means so that fuel will be supplied to the heater at the other higher fixed delivery pressure and the motor will operate at the other higher speed or speed range.

2,473,700
APPARATUS FOR TESTING THE ACCURACY OF MOVEMENTS
Carl Berkley, New York, N. Y., assignor to Allen B. DuMont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application October 6, 1944, Serial No. 557,526
2 Claims. (Cl. 73—6)

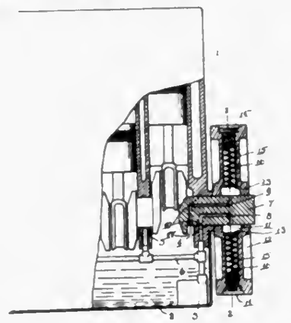


1. Apparatus for testing the accuracy of operation of a device said apparatus comprising a cathode-ray tube having an electron gun producing an electron beam, deflecting plates for scanning said beam and a long persistent fluorescent screen energized by said beam, a plurality of sawtooth wave generators connected to said deflecting plates, means for producing electrical signal test pulses from said device, means to apply said signal to said electron gun of said tube to modulate the beam thereof, a time standard pulse generator connected to said sawtooth wave generators to control said sawtooth wave generators and cause said beam of said tube to scan a rectangular pattern, said test pulses applied to said electron gun causing said beam to trace a row of dots on said screen, the angle of said row of dots being a function of the rate of said device, and the alignment of said row being a function of the regularity of said device.

2,473,701
LUBRICANT FILTERING SYSTEM
Giles E. Bullock, Rochester, N. Y.
Application December 15, 1944, Serial No. 568,332
2 Claims. (Cl. 184—6)

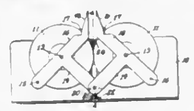
1. An oil filter for a crank shaft having a pair of substantially parallel ducts with a radially extending inlet leading into one of said ducts and a radially extending outlet leading from the other of said ducts circumferentially spaced therefrom, a combined fly wheel and filter having a hollow hub forming a manifold chamber

mounted on said crank shaft so as to have said manifold chamber connect the inlet and the outlet of said ducts, radially disposed collecting ducts



extending from said manifold chamber thru said fly wheel and a removable closure member for closing each of said collecting ducts.

2,473,702
SHARPENING DEVICE
Arvid F. Carlin, Mamaroneck, N. Y.
Application February 27, 1948, Serial No. 11,610
6 Claims. (Cl. 51—214)

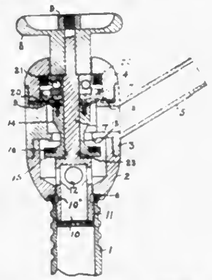


1. A sharpening device of the class described, comprising a housing, open at both ends, said housing being formed with a centrally located recess upon each side thereof, guiding members pivotally disposed in the housing, rollers turnably arranged in the guiding members, the latter being formed with slanting top portions, whereby to accommodate the article to be sharpened.

2,473,703
PROCESS FOR PRODUCING POTASSIUM TUNGSTATE
Henry Seymour Colton, Shaker Heights, and Robert W. Frischmuth, University Heights, Ohio, and Raymond L. Knowles, Bronxville, N. Y.
No Drawing. Original application May 5, 1941, Serial No. 391,978. Divided and this application November 17, 1947, Serial No. 786,542
1 Claim. (Cl. 23—51)

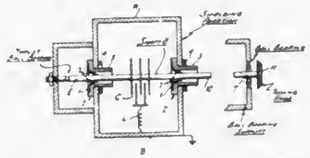
The process of obtaining potassium tungstate as a water soluble metathetical compound of the tungsten component of scheelite, and the potassium component of feldspar, which comprises: intimately mixing the said materials, in finely divided form, with water, and causing the mixture to react through the sole agency of elevated temperature and pressure, by subjecting it to a temperature of approximately 600° F. and a pressure of approximately 1000 lbs. per square inch, and removing the said water-soluble compound from the reacted product by water solution.

2,473,704
HOSE CONNECTOR AND VALVE
Owen L. Garretson, Roswell, N. Mex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 1, 1947, Serial No. 777,249
9 Claims. (Cl. 284—17)



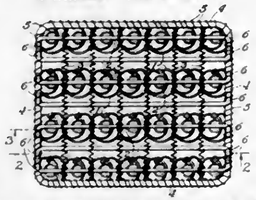
1. A combined connector and valve comprising a housing having an apertured inner wall dividing the housing into two compartments, said aperture being defined by a valve seat, a pressure fluid connection to said housing on one side of said wall, a manually operable shaft extending through said housing and having a threaded end extending exteriorly of said housing, a valve disc slidably mounted on said shaft, and a diaphragm sealed in said housing and connected to said valve disc, said diaphragm being exposed to pressure fluid.

2,473,705
ELECTRICAL CONTACTOR FOR MOVABLE SHAFTS
Ralph W. George, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 24, 1945, Serial No. 590,011
5 Claims. (Cl. 173—324)



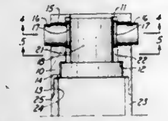
1. An electrical contactor for a movable metallic shaft, comprising a metallic bushing having a central aperture larger than the diameter of the shaft to be accommodated thereby, said bushing having a recess at one end thereof bounded by a circular wall of larger internal diameter than the diameter of said aperture, a disc-like metallic washer securely fastened at its periphery to said circular wall of said bushing and having a plurality of uniformly spaced contact fingers forming an aperture which is smaller than but registers with the aperture of said bushing, said contact fingers forming tapered segments which are joined together at their wide bases, said contact fingers being bent to provide a substantially cylindrical surface slotted at the edges of said segments and which cylindrical surface is adapted to make positive mechanical and electrical contact on its interior with the shaft which it surrounds.

2,473,706
SPRING ASSEMBLY FOR UPHOLSTERY
William Walter Gleason, Chicago, Ill., assignor to Nachman Corporation, Chicago, Ill., a corporation of Illinois
Application August 30, 1946, Serial No. 693,831
2 Claims. (Cl. 5—269)



1. A spring assembly comprising a series of parallel spaced apart rows of upholstery springs, helical tie-wires extending transversely of said rows and joining all springs of all of said rows, resilient border frames disposed marginally of all marginal springs of the several rows of the latter, resilient flat wires bridging all springs of each row axially of the same and equipped with terminal flanges overlapping and disposed in surface contact with the border frame, the width of said flat wires being no greater than the length of coils of said tie-wires and being secured by the latter to overlapped terminal end-coil portions of the springs, encircling and joining the springs of the several rows of the latter, the end-coils of the springs of each row and end-coil portions of the springs of the outermost rows thereof being disposed in overlapping relation to the border frames, and helical tie-wires encircling said border frames, the flanges of said bridging wires and the portions of the springs overlapping said border frames.

2,473,707
DISPENSER WITH SLITTED RESILIENT DIAPHRAGM
Arthur Hammerstein, Palatine, Ill.
Application September 14, 1945, Serial No. 616,316
1 Claim. (Cl. 222—490)

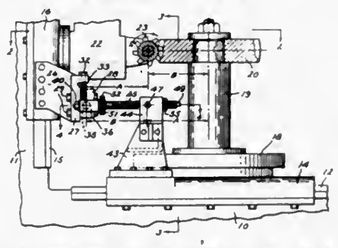


A dispensing device adapted for communicating connection with a container including an enclosing member having an open end and a diametrically apertured side wall, an inwardly directed annular flange at the said open end, an outwardly directed interior shoulder on said member in axially spaced relation to said flange, a relatively stiff hollow resilient member positioned within the enclosing member in side wall spaced relation therewith, an enlarged external base on said member fitted beneath said shoulder and snugly engaging the enclosing member to hold the resilient member therein, an outer end wall of the resilient member having a normally closed slit in register with the open end of the enclosing member, separate opposed plungers slidably mounted through the apertures in the side wall of the enclosing member for deforming the resilient member to open the slit, and collars on the inner ends of said plungers positioned between the spaced side walls of said members.

2,473,708
POLYMERIZED VINYL AROMATIC MATERIALS
Ralph F. Hayes, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 30, 1943, Serial No. 492,892
2 Claims. (Cl. 260—30.8)

1. In a process for polymerizing styrene to a polymerization product free from crazing on long standing, the steps which compromise incorporating in styrene 0.01–5% based on the amount of styrene, of the sodium salt of dioctyl sulfosuccinate and heating the resulting mixture for a sufficient length of time to reduce the methanol-soluble content of the resulting polymeric product to below 3%.

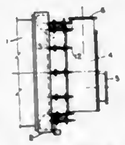
2,473,709
MACHINE FOR MANUFACTURING SPHERICAL GEARS
John H. Hitchcock, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application May 4, 1943, Serial No. 485,602
9 Claims. (Cl. 90—4)



1. A machine for manufacturing spherical gears comprising a work carrier, a tool carrier, means to support a gear blank on the work carrier for rotation about its axis, means to support a helical cutter on the tool carrier for rotation about an axis inclined to the plane of rotation of the blank at an angle equal to the helix angle of the cutter, driving means to rotate the blank and the cutter at relative speeds inversely proportional to the ratio of the number of teeth to be cut to the number of threads in the cutter, means to move one of the carriers in a general direction parallel with the axis of the blank, and a link connecting the two carriers and extending parallel with the line joining the center of the cutter and the center of the blank, the link having an effective length equal to the length of the said line, the link serving to move one of the carriers in such a manner as to maintain a fixed distance between the center of the cutter and the center of the blank.

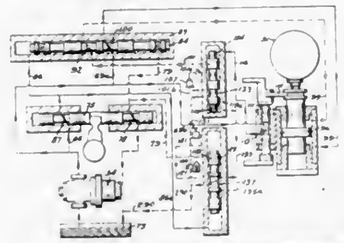
2,473,710
ROTARY DRIER SEAL
Lyman W. Jillson, Detroit, Mich., assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application March 16, 1945, Serial No. 583,074
2 Claims. (Cl. 285—10)

1. A seal for the joint between fixed and rotating parts of a rotary dryer and the like, comprising rotating and non-rotating annular bearing rings each carried by one of said parts and contacting each other in a radial plane with respect to the axis of said rotating part, axially extending and mutually overlapping flanges fixed to each of said rings, mounting studs attached to said non-rotating ring and having axial and radial movement connection with said fixed part,



compression springs connected to said studs for urging said non-rotating ring toward said rotating ring, a flexible fabric tube attached at one end to said axially extending flange on said non-rotating ring and attached at the other end to another axially extending flange on said fixed part.

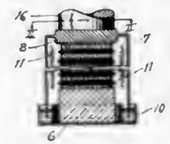
2,473,711
ROTARY PUMP AND MOTOR HYDRAULIC TRANSMISSION SYSTEM
Bernard A. Kearns and Jacob Decker, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application December 3, 1941, Serial No. 421,464
32 Claims. (Cl. 60—53)



1. In a grinding machine, the combination with a bed, of a member translatable on the bed, and means for effecting translation of said member including a hydraulic motor coupled for translation of the member, a first actuating means for the hydraulic motor including a pressure pump, conduits coupling the pump with the hydraulic motor, means for determining the rate and direction of flow of the pressure medium from the pump to the motor, a second source of hydraulic pressure medium, a servo-valve mechanism for determining the rate and direction of flow of the hydraulic medium from said second source, and means for selectively coupling the pump conduits or the servo-control mechanism with the hydraulic motor for control of the actuation thereof and thus the relative translatory movement of the member relative to the bed.

11. In a hydraulic actuating system of the character described, the combination with a variable delivery pump, of means for determining the effectiveness of said pump including a pump adjuster, power actuable means for shifting said adjuster, a blocking device for restricting the movement of the power adjusting means, tarry mechanism for determining the effective period of the blocking device, and means independent of the tarry mechanism for determining the rate of acceleration effectable by the power adjusting means on release of the blocking device.

2,473,712
PROCEDURE FOR MAKING MULTIPLY METAL STOCK
Joseph Kinney, Jr., Bradford Woods, Pa., assignor to American Cladmetals Company, a corporation of Pennsylvania
Application July 24, 1944, Serial No. 546,377
8 Claims. (Cl. 29—189)



1. A method of making multi-ply metal in which the component metals are austenitic stainless steel and oxygen-free copper; which consists in separately rolling a quantity of each such metal to sheet-like form and to substantially final gauge, the stainless component being about 0.010'' thick and the copper component being about 0.030'' thick; cutting a piece of metal to final form from each portion of sheet-like material so rolled; processing at least one surface of each such piece to provide an oxygen-free surface on the copper piece and a uniform coating of nickel, of a thickness not to exceed 0.0005'', on the stainless steel piece; forming a multiply assembly by matching such pieces with their processed faces in contact throughout substantially the entire extent of each such piece; then forcing and holding the pieces so assembled in intimate contact under a pressure of at least 500 p. s. i. while subjecting them to heat so proportioned as to temperature and so applied as to time as to anneal said stainless steel and form a fusion bond between the pieces of such assembly.

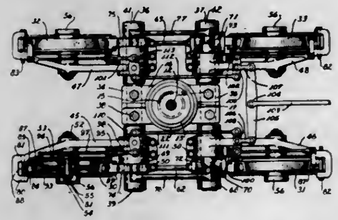
2,473,713
WELL FLUID MEASUREMENT
Benson M. Kingston, Breckenridge, and Mark H. McKinsey, Midland, Tex., assignors, by direct and mesne assignments, of one-half to Shell Development Company, San Francisco, Calif., a corporation of Delaware, and one-half to The Independent-Eastern Torpedo Company, Breckenridge, Tex., a corporation of Ohio
Application May 20, 1946, Serial No. 671,044
5 Claims. (Cl. 73—151)



1. In a system for determining the characteristics of a fluid in a well, the combination of an

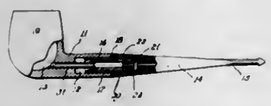
insulated conductor cable, a detector housing adapted to be lowered into a well attached to the lower end of said cable, two electrodes insulated from each other carried by said housing in contact with the well fluid, means comprising a source of current in said housing having its terminals connected to said electrodes for passing a direct current between said electrodes through the fluid surrounding said electrodes, means in said housing electrically connected to the conductor cable for converting said direct current into electrical oscillations, indicator means inductively coupled with the upper end of the cable at the surface for indicating said oscillations, and depth meter means at the surface for measuring the depth of said housing in correlation with the indicated oscillations.

2,473,714
RAIL TRUCK SUSPENSION
Alvin S. Krotz, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 3, 1945, Serial No. 603,051
14 Claims. (Cl. 105—182)



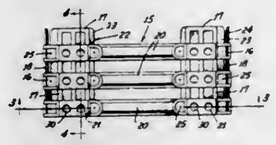
5. A truck for a rail-type vehicle, said truck comprising a center bearing for pivotally supporting a car, a resilient spring structure, a torsion arm carried by said spring structure, a rail wheel rotatably mounted on said arm, and means for adjustably securing said torsion arm to said spring structure with respect to said center bearing in a plurality of positions laterally of said truck.

2,473,715
SMOKER'S PIPE
David P. Lavietes, Brooklyn, N. Y.
Application November 23, 1944, Serial No. 564,760
2 Claims. (Cl. 131—225)



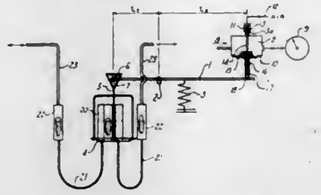
2. A smoker's pipe comprising a bowl having a shank with a socket and a smoke passage, a bit having a flattened bite at one end and a recess at its other end and a smoke passage, adjustable connecting means between the bit and the shank of the bowl comprising an internally screw-threaded member fixed in the socket of the shank of the bowl and having a flange abutting against the end of the shank around the rim of the socket, and an externally screw-threaded member mounted in the recess in the bit for seating in the internally screw-threaded member of the shank, said externally screw-threaded member having a flange engaging the flange on the internally screw-threaded member when the parts are assembled, and a cylindrical portion, friction means surrounding and frictionally engaging said cylindrical portion within said recess, means permanently securing said friction means to the wall of the recess, and an element secured to said externally screw-threaded member and having a shoulder engaging said friction means and preventing withdrawal of said externally screw-threaded member from said friction means.

2,473,716
FLEXIBLE AMMUNITION CHUTE
Howard B. Lewis, Venice, and Glen M. Larson, Hollywood, Calif.
Application May 25, 1943, Serial No. 488,384
16 Claims. (Cl. 193—25)



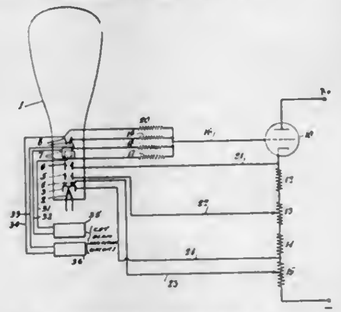
1. An ammunition chute comprising: a series of sheet metal links loosely associated with each other; means at the ends, top and bottom of each link for extensibly connecting said links together and for limiting the movement between said links; and a plurality of leaves mounted on each link, the leaves on each link overlapping and slidably engaging the leaves on the next adjacent link.

2,473,717
PRESSURE TOTALIZING DEVICE
Alfred A. Markson, Mount Lebanon, Pa., assignor, by mesne assignments, to Hagan Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 22, 1944, Serial No. 541,645
3 Claims. (Cl. 73—405)



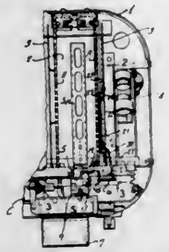
1. The system of totalizing and subtracting fluid pressures comprising a weigh beam having a plurality of liquid containers supported on one end thereof and having a pneumatic balancer acting upon the beam at the other end thereof, fluid containers stationarily mounted and connected to said first named containers by a flexible conduit at the bottom of said containers to establish communication of the fluids in said containers, said second named containers having connection above the liquid level with sources of variable pressure, and a pressure gauge connected to said pneumatic balancer for indicating the total value of the pressure of said variable pressure sources.

2,473,718
OSCILLOGRAPH CIRCUIT TO AVOID DISTORTION
Meyer Maron, Passaic, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application September 21, 1946, Serial No. 698,487
8 Claims. (Cl. 315—24)



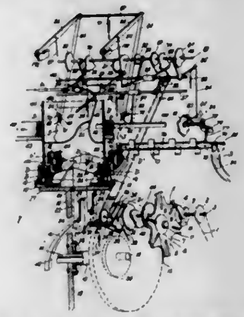
1. An oscillograph comprising a cathode-ray tube, having pairs of deflection plates and a first and a second anode, and means comprising a vacuum tube and a resistor between each one of said plates and the grid of said vacuum tube to maintain said second anode substantially at the average potential of said plates, said means including a connection between the cathode of said vacuum tube and said second anode.

2,473,719
AUTOMATIC TOASTER
Paul J. McCullough, St. Louis, Mo., assignor, by mesne assignments, to The Toastswell Company, Incorporated, St. Louis, Mo., a corporation of Missouri
Original application May 12, 1943, Serial No. 486,641. Divided and this application November 23, 1945, Serial No. 630,487
4 Claims. (Cl. 219—19)



1. In a toaster, a plate like heater, a partition closely associated with but spaced from said heater and forming a side of a toasting compartment, said partition having an elongated aperture, a strip extending abreast of and overlapping the boundaries of said aperture and positioned between said heater and said partition, a thermostat including an elongated bar secured at one end to said strip and being free at its other end to move to and from said strip into and out of said heating compartment through said aperture, the free end of said bar being adapted when cooled to lie near said strip and within said compartment and when heated to move away from said strip and outside of said compartment, and a timing mechanism controlled by said thermostat.

2,473,720
APPARATUS FOR FORMING WOODEN SPOONS FROM BLANKS
Stephen F. Montague, Oswego, N. Y., assignor, by mesne assignments, to The Diamond Match Company, New York, N. Y., a corporation of Delaware
Application September 17, 1943, Serial No. 502,744
15 Claims. (Cl. 144—2)

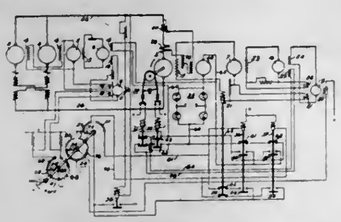


8. In an apparatus of the character described; a plurality of die couples mounted for movement along a predetermined path, means for introducing blanks into the die couples in succession at one point in said path, means for thereafter closing the die couples in succession, means at a point further along said path for thereafter opening the die couples in succession to permit of removal of the blanks formed by the closing thereof, a revolving turret having a plurality of gripper plungers mounted to reciprocate toward and away from the die couples and each of which carries a blank gripper, means for rotating said turret to bring the plungers selectively into alinement with the die couples as they come to the removal point of the formed blanks, and means for reciprocating the plungers selectively to cause the grippers thereof to engage and remove the formed blanks from said die couples.

2,473,721
CURRENT LIMITING SYSTEM FOR WARD-LEONARD DRIVES
Terryl B. Montgomery, Wauwatosa, and Thomas H. Bloodworth, Waukesha, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application December 18, 1943, Serial No. 514,797
12 Claims. (Cl. 318—154)

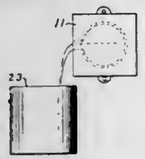
1. A control system comprising in combination an adjustable voltage generator, an electric motor having its armature connected across the armature of said generator, means for controlling the current exchanged between said motor and said generator comprising a first dynamo electric machine connected to supply excitation current to said generator and a second dynamo electric machine connected to supply excitation current to said motor, means for controlling said dynamo-electric machines during speed change of said

motor to cause said excitation currents to be available in a value in excess of that necessary to supply maximum safe current to said motor, limit means controlled in accordance with the current exchanged between said motor and generator for limiting said current to said predetermined maximum safe value, and means for selectively connecting said limit means so as to operably effect limitation of said supply of field excitation to said motor or said supply of field excitation to said generator.



12. In a control system, the combination of a generator comprising an armature and a field winding, a motor comprising an armature connected to said generator armature and a field winding, means for supplying excitation current to said generator field winding, means for supplying excitation current to said motor field winding, a control device actuable into a plurality of generator field control positions for varying the value of said generator field excitation current to vary the speed of said motor in one direction of rotation, said device also being actuable into a plurality of motor field control positions for varying the value of said motor field excitation current to further vary the speed of said motor in said direction of rotation, limit means responsive to rise of the magnitude of the current flow through said armatures above a predetermined value, and means including an element actuable in response to movement of said control device from one of said generator field control positions into one of said motor field control positions and including means responsive to a measure of said generator field excitation for operatively connecting said limit means to said motor excitation current supply means to modify the action of said control device, whereby the current flow through said armatures is limited to substantially said predetermined value.

2,473,722
MOLDING HOLLOW ARTICLES
Alex A. Nelson, Pleasant Ridge, Mich.
Application September 29, 1945, Serial No. 619,279
3 Claims. (Cl. 18—55)



1. The method of making hollow colored flexible articles which consists in, taking a split mold having cooperative cavities between the two parts of the mold in simulation of the article to be formed and providing a sprue passage opening from one side of the mold, heating the mold, spreading over the cavity surfaces of the mold a material of putty-like or semi-fluid consistency, applying color pigments upon the coating so formed, positioning the two parts of the mold snugly together with the cavities thereof in cooperative relation, pouring into the mold some of the material thinned with a suitable vehicle to form an inner coating, pouring out of the mold such thinned material as remains unattached subjecting the mold to heat for sealing together and curing the molded article, and opening apart the parts of the mold for removing the molded article.

2,473,723
METHOD OF MAKING PROSTHESIS
Alex A. Nelson, Pleasant Ridge, Mich.
Application November 5, 1945, Serial No. 626,791
4 Claims. (Cl. 18—55.05)

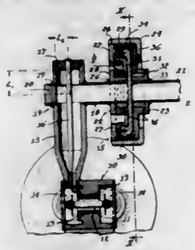


1. The method of making hollow artificial body members for prosthesis which consists in, providing a split mold having cooperative cavities between the two parts of the mold and opposed faces forming sharp mold replicas of the natural surfaces for prosthesis in simulation of the member to be copied and opening from one side of the mold, heating the mold up to about 150° F., spreading over the cavity surfaces of the mold a plasticized puttylike vinyl plastic material which tends to flow as it is heated, applying color pigments upon the interior surface of the coating so formed in simulation and configuration of veins, blemishes and other natural features corresponding to the surface replica, positioning the two parts of the mold snugly together with the cavities thereof in cooperative relation and the opening upward, pouring into the mold some of the vinyl plastic material thinned with a suitable vehicle and forming therewith a backing interface entrapping the pigmented features of the interior, pouring such thinned material out of the hollow article thus formed, subjecting the mold to heat of about 250–350° F. for curing and sealing the molded article, and opening the two parts of the mold apart for removing the molded member.

2,473,724
ULTRA HIGH FREQUENCY COUPLER BETWEEN CONTIGUOUS ENDS OF ALIGNED WAVE GUIDE SECTIONS
Ernest C. Okress, Montclair, and Alfred H. Laidig, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 24, 1943, Serial No. 503,628
4 Claims. (Cl. 178—44)

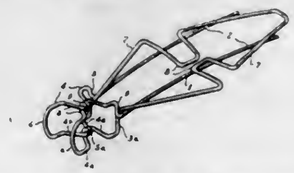
1. A cavity joint comprising contiguous wave guide sections each having its walls aligned with the walls of the other section, a coupling member on each said section on the contiguous ends thereof, and a dielectric capping means between said members and sealed with respect to one of the same and extending across the contiguous ends of both of the wave guide sections, one of said

members providing a slot opening toward the said dielectric capping means a distance from the



wall of the wave guide section substantially equal to a quarter wave length in the dielectric.

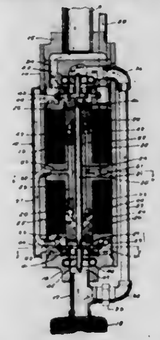
2,473,725
HAIR CLIP
Emile Oswald, Rockaway Park, N. Y.
Application July 23, 1948, Serial No. 40,265
6 Claims. (Cl. 132—46)



1. A hair clip for pin curls comprising: wire bent to form upper and lower jaws with the base of each jaw offset to a point beyond the outer face of the other jaw and there formed into a finger piece, both finger pieces being united at their ends opposite the jaws by an integral spring spacer adapted to be flexed for the purpose of opening and closing the jaws, the lower jaw being in the form of substantially parallel arms shaped to substantially conform to the shape of the human scalp and the upper jaw being in the form of a loop of greater width than the lower jaw and the sides of which loop are drawn in intermediate ends of the loop to form reentrant portions extending toward one another and curved downwardly between the arms of the lower jaw.

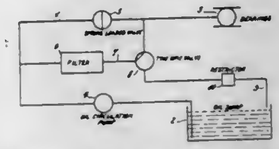
2,473,726
ELECTRIC PUMP
William Harvey Payne, Hinsdale, Ill., assignor to W. Harvey Payne & Co., Chicago, Ill., a corporation of Illinois
Application December 28, 1946, Serial No. 719,016
6 Claims. (Cl. 103—6)

1. The combination in an electric pump, of two solenoid coils in axial alignment, each of said coils having a magnetic circuit individual thereto, including a core member which is common to both said coils, a piston rod extending axially through said core member and coils and reciprocatable lengthwise, two plunger-armatures individual to said coils and attached to opposite ends of said piston rod, said plunger-armatures being adapted to function as pistons, a cylinder for each of said plunger-armatures, each of said cylinders having a liquid chamber at one side of its plunger-armature and a gas chamber at the other side of its plunger-armature, means defining a discharge chamber, inlet and outlet valves for each of said liquid and gas chambers, said outlet valves providing communication between said discharge chamber and said liquid and gas chambers, the



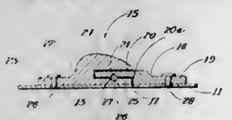
inlet valves to said liquid chambers being adapted to be connected to a source of liquid, the inlet valves to said gas chambers being adapted to be connected to a source of gas, the arrangement being such that both liquid and gas are pumped into said discharge chamber to effect therein a compressible mass of liquid and entrained gas.

2,473,727
OIL FILTERING APPARATUS
Edward Roker Robertson, St. Margarets-on-Thames, Twickenham, England, assignor, by mesne assignments, to Fram Corporation, East Providence, R. I., a corporation of Rhode Island
Application February 18, 1944, Serial No. 522,930
In Great Britain May 4, 1943
12 Claims. (Cl. 210—183)



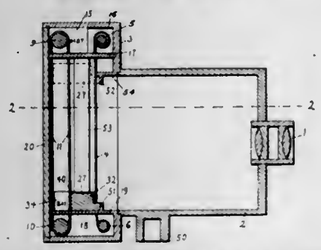
1. Oil filtering apparatus adapted to be used for full-flow or by-pass filtration, said apparatus comprising an oil inlet, a first oil outlet delivering oil to a part to be lubricated, a passageway communicating with the oil inlet and with the oil outlet, a spring loaded valve operative in response to a predetermined pressure for controlling flow of oil through said passageway, a filtering circuit connected in shunt across the valve, filter means in said filtering circuit, an oil reservoir, means for returning oil from said reservoir to said oil inlet, a second oil outlet delivering oil to said reservoir, a second passageway communicating directly with the said filtering circuit on the outlet side of the filter means and also communicating with the second oil outlet, and means controlling the flow of oil from the filter means to the first and second passageways whereby the whole of such oil may be passed either to the first outlet or to the second outlet.

2,473,728
STRUCTURAL JOINT
John E. Rutledge, Normandy, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 20, 1944, Serial No. 531,925
4 Claims. (Cl. 189—36)



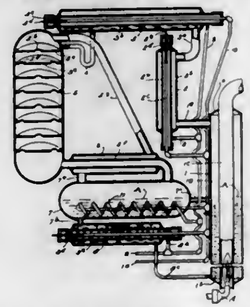
1. In stressed skin aircraft construction, a pair of abutting thin wall skin surfaces, a channel element attached to a first of said surfaces extending longitudinally along its line of abutment, an offset tongue element fastened to the second said skin surface projecting beyond the edge thereof and engaged closely within the channel portion of said first element, the walls of said channel element being of the same depth laterally of the joint as said offset tongue, the mating surfaces of said channel and tongue elements being substantially parallel to said skin surfaces at the joint, grooves in said tongue and in one of said channel walls, and a rigid elongated locking element inserted longitudinally between said mating tongue and channel elements within said grooves adapted to prevent lateral separation of said abutting skin surfaces, and said tongue and channel elements relieving said skin surfaces of bending both laterally and longitudinally of said line of abutment.

2,473,729
COLOR FACSIMILE APPARATUS
Max Salz, New York, N. Y.
Application July 31, 1945, Serial No. 608,078
6 Claims. (Cl. 178—5.2)



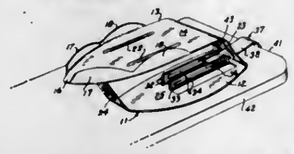
1. In a device for producing permanent facsimiles of projected pictures, a picture carrier having a color receiving surface, a container having a narrow outlet positioned close to said surface, a finely dispersible substance confined in said container, extending close to said outlet and consisting of coloring particles adapted to be moved through said outlet, a photo-electric cell having a pole with a voltage depending on the intensity of light received by said cell, said pole being positioned so near to said outlet that said voltage influences those of said particles which are nearest to said outlet whereby said voltage exerts a moving force on said latter particles, and means to move said container and said cell parallel to said surface with said outlet and said pole remaining in the same position relatively to each other, and an optical system projecting an image on a plane in which said cell moves.

2,473,730
REFRIGERATING MEANS
John F. Saye, Powersite, Mo.
Application April 23, 1947, Serial No. 743,405
5 Claims. (Cl. 62—119.5)



1. In a refrigerating means of the class described the combination of a generator containing aqueous ammonia, a heater for said generator, a rectifier above said generator and communicating therewith having cold water inlet means and a thermostatic throttling outlet valve arranged to provide indirect heat conduction from ammonia to said water, a condenser communicating with the upper end of said rectifier having cold water inlet and thermostatic throttling valve outlet for cooling ammonia therein by indirect thermal conduction of heat from said ammonia to said water.

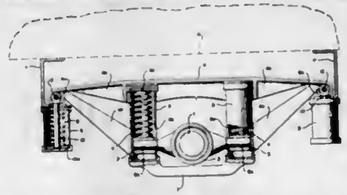
2,473,731
IRON HOLDER
Stanley Y. Shepard, Sr., Atherton, Calif.
Application September 15, 1947, Serial No. 773,952
2 Claims. (Cl. 248—117.1)



2. An iron holder comprising a base, an upper plate supported in spaced relationship to said base, a guide on said base comprising a pair of spaced elongated strips disposed normally to said base; each of said strips having an elongated slot therein, a spring handle clamp consisting of a loop portion for receiving the end of a work table or ironing board and a slotted straight portion, and a retaining pin disposed transversely of said clamp and extending through the slot of the straight portion thereof as well as through the elongated slots of said strips to effect slidable mounting of said clamp on the holder.

2,473,732
VEHICLE SPRINGING ASSEMBLY
Clark C. Shilling, San Diego, Calif.
Application July 23, 1946, Serial No. 685,707
3 Claims. (Cl. 267—60)

1. In a vehicle springing assembly of the class described, the combination with a conventional vehicle frame and axle of laterally extending opposed trunnion portions in connection with said axle, springs engaging the upper portions of said trunnion portions, a bridge extending laterally at opposite sides of said axle above the same and supporting said springs, secondary springs outwardly of said first mentioned springs supported by said frame and engaged by opposite ends of



said bridge, plungers internally of said second mentioned springs pivotally connected to opposite ends of said bridge, casings supporting said second mentioned springs secured to said frame, and casings for said first mentioned springs secured to said bridge having slotted portions in the side walls thereof in which said trunnions are reciprocally mounted.

2,473,733
SYRINGE
Arthur E. Smith, Los Angeles, Calif.
Application May 31, 1947, Serial No. 751,517
6 Claims. (Cl. 128—220)



1. A disposable syringe including an ampule having a plunger slidable therein, said plunger comprising an elongated body having a forwardly extending reduced portion, a piston having a recess receiving said reduced portion, a stopper in said ampule, said stopper having an axial bore, an auxiliary stopper adjacent to said first stopper, said auxiliary stopper having aligned inner and outer recesses with a diaphragm therebetween, and a front member in advance of said stopper, said first front member having a finger engaging shoulder thereon, said front member having a bore with a diaphragm closing the inner end of said bore, and a needle in said bore and having its inner end disposed in the outer recess of the auxiliary stopper and spaced from the auxiliary stopper diaphragm.

2,473,734
HYPODERMIC SYRINGE
Arthur E. Smith, Los Angeles, Calif.
Application May 31, 1947, Serial No. 751,591
4 Claims. (Cl. 128—220)

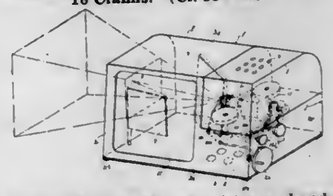


1. A disposable syringe including an ampule having a plunger slidable thereon, a piston on said plunger, a stopper in said ampule remote from said piston, said stopper having an outwardly opening recess therein and having an interiorly opening recess coaxial with the outward opening recess, a diaphragm separating said recesses, a front member on said ampule, said front member having a finger engaging shoulder thereon, said front member having an inwardly directed tip thereon disposed in said outwardly opening recess of said stopper, said front member having a forwardly projecting tip thereon, said front member having a bore extending through said forward tip and terminating short of the inner end of said inwardly extending tip, a needle slidable in said bore and having its inner end extending through and projecting beyond said inwardly extending tip, said needle having a protuberance spaced from said tip, and a flexible cap about the outer end of said needle and seated on the forwardly projecting tip on said front member.

2,473,735
MANUFACTURE OF COMPLEX ORGANIC ANTIMONY COMPOUNDS
William Solomon, London, England, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 5, 1946, Serial No. 714,143. In Great Britain March 24, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 24, 1962
4 Claims. (Cl. 260—446)

1. A process for the manufacture of organic derivatives of quinquevalent antimony consisting in reacting together in approximately molecular proportion in the cold a compound selected from the group of compounds consisting of pentahalides of antimony and alcoholates of pentahalides of antimony and an aqueous solution of a compound selected from the group consisting of aliphatic hydroxycarboxylic acids, hydro-aromatic hydroxycarboxylic acids and alkali and alkaline earth metal salts of said acids followed by heating to complete the reaction, neutralisation with an alkali selected from the group consisting of alkali metal alkalies and alkaline earth metal alkalies to yield a salt of a reaction product of the antimony pentahalide with the hydroxy-carboxylic acid, and separation of the said salt.

2,473,736
MICROFILM READER AND PROJECTING APPARATUS
Nathan Sally Stern, New York, N. Y.
Application May 22, 1946, Serial No. 671,625
16 Claims. (Cl. 88—24)



1. A microfilm reader comprising a closed casing composed of a base, of sidewalls and of a top, a screen in a sidewall, a light source, a film holding, film transporting and projecting unit supported on said base to produce an enlarged film image, two mirrors positioned on said base in adjacent relationship with said film holding, transporting and projecting unit, the first mirror being so located in the path of the light rays as to reflect said film image onto the second mirror, said second mirror being so located as to direct

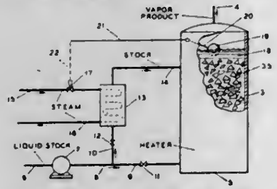
said film image onto said screen, a vertical pivot supported on said base, said first mirror being rotatably mounted by means of said pivot, and means operable from outside said casing to turn said mirror about a vertical axis and to accordingly displace said film image on said screen in a horizontal direction.

2,473,737

LEVEL CONTROL IN PACKED TOWERS

Joseph E. Storment, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application March 18, 1944, Serial No. 527,121
10 Claims. (Cl. 202—72)



4. Apparatus of the class described comprising in combination an evaporating tower having an outlet for vapor, means to heat said tower, a liquid stock supply line, pumping means in the liquid stock supply line, said supply line having two branches, a valve in each branch controlling flow therethrough, one of said branches communicating with said tower at a lower level, the second of said branches communicating with said tower at a higher level, a heater in the second of said branches, a steam supply line communicating with said heater, a valve in said steam supply line controlling flow therethrough, a float in said evaporating tower disposed to float at substantially the liquid level from a level lower than to a level higher than a desired liquid level, and transmission means between said valve in said steam supply line and said float disposed so that movement of said float upwardly opens said valve in said steam line whereby the liquid level in said tower will be maintained substantially at said desired level by evaporation.

2,473,738

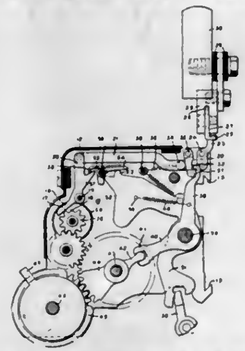
RECORDING AND COMPUTING MACHINE

Emil F. Thierfelder, Ilion, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application August 10, 1944, Serial No. 548,909
21 Claims. (Cl. 235—59)

1. In a machine of the class described, a normally open add-1 circuit, a totalizer having a plurality of numeral wheels, a sensing element respectively associated with each of said numeral wheels, means on the wheels to cause the movement of said sensing elements as the wheels move to and from a predetermined position, means including a movable finger associated with each of said sensing elements and adapted when effective to close said circuit, and means connecting each finger with its respective sensing element whereby the movement of the numeral wheels will move said fingers relatively to effective positions.

6. In a computing and printing machine having, a frame, a to and fro travelling carriage, and a totalizer mounted on said carriage, the combination of an add-1 circuit, an add-1 relay, a contact plate, a control circuit connected through said contact plate for energizing and deenergizing said add-1 relay to open and close said add-1 circuit, a plurality of numeral wheels, a plurality of sensing elements respectively associated with the wheels, means on the wheels to cause the movement of said sensing elements as the wheels move to and from a predetermined position, a plurality of fingers projecting from the totalizer, means connecting each finger with a sensing ele-



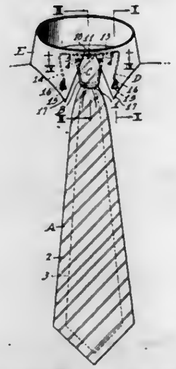
ment whereby the movement of the sensing elements will move the fingers from effective to ineffective positions, said fingers adapted to contact with said plate to close said control circuit when disposed in their effective positions relative to said control circuit and to be out of contact to open said circuit when disposed in their ineffective position relative to said control circuit whereby said add-1 circuit is opened and closed respectively.

2,473,739

COMBINED COLLAR HOLDER AND TIE SUPPORTER

Stanley M. Wade, Benicia, Calif.

Application May 14, 1946, Serial No. 669,681
4 Claims. (Cl. 2—150)



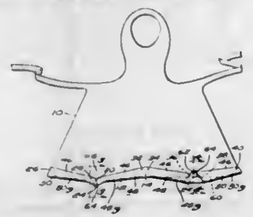
1. In combination, an elongated tie looped back on itself substantially at its midpoint to provide a front portion and a rear portion, the front portion having a transversely-extending pleat spaced from the loop, the sides of the front portion adjacent to the pleat extending rearwardly to enclose the rear portion and being secured together, thereby forming what papears to be a tie knot, and means for securing the tie to a collar for holding the looped portion in the center of the collar crotch, said means comprising an inverted U-shaped frame with the cross bar of the inverted U extending through the tie loop and the sides of the U constituting legs that underlie the collar corners and are provided with pointed ends to penetrate the collar corners for holding them in position and for holding the cross bar adjacent to the collar fold, whereby the cross bar will position the tie loop at the top of the collar crotch.

2,473,740

WATERPROOF GARMENT

Edward Welch, Valley Falls, R. I.

Application March 29, 1946, Serial No. 658,314
2 Claims. (Cl. 2—48)



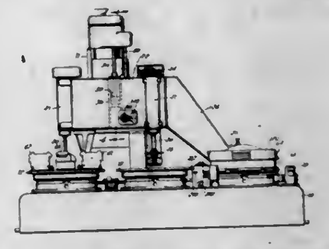
1. A waterproof garment having a depending skirt having a lower edge having substantially hemi-circular spout forming portions projecting downwardly centrally of each side thereof and vertically aligned cooperating male and female separable fastener elements having walls exterior of said garment adapted to abut when fastened, to space apart portions of the garment connected thereby, secured to the lower portion of said garment, certain of said elements being secured in spaced relationship adjacent the lower edge of said garment adjacent the center portions of the rear and front thereof, on said spout forming projections and on each side of each spout forming projection and the cooperating vertically aligned separable fastener elements adjacent each center and end being secured at a substantially greater vertical distance above their cooperating elements than are the cooperating separable fastener elements for the spouts and the cooperating separable fastener elements on each side of said spouts and the cooperating separable fastener elements for the spouts being secured at a substantially greater vertical distance above their cooperating elements than are the cooperating separable fastener elements on each side of said spouts so that when the lower portions of said garment between said center portions and spouts are outturned, upturned and fastened to said garment except at the spouts, water catching gutters having open water receiving top portions are provided downwardly inclined from each center portion to each spout portion and the spout portions are raised upwardly to a substantially horizontal position discharging the water from said inclined gutters laterally of the wearer's shoes and clothes and when said spout separable fastener elements are fastened water catching reservoirs of inverted frusto triangular shape are provided between front and rear ends of said gutters for temporarily holding amounts of water.

2,473,741

PATTERN CONTROLLED MILLING MACHINE

Warren Wilder and Herman Horlacher, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application November 6, 1943, Serial No. 509,310
27 Claims. (Cl. 90—13.5)



1. In a skip profiling machine, the combination with a rotary table adapted to support a plurality of work pieces in equally spaced relation about the periphery thereof, of a cutter supported for working in a plurality of planes perpendicular to the axis of table rotation, power operable means for moving the cutter toward and from the work in any of its working planes, means for governing operation of said power operable means including a tracer, a pattern supporting table, a plurality of sets of patterns spaced about the periphery of the pattern supporting table in corresponding relation to the spacing of the work there being a pattern in each set for each operating plane of the cutter, means to effect synchronous rotation of said tables to effect a pattern controlled milling operation on each work piece during one revolution of the tables, and means automatically operable after each rotation of the table to effect relative indexing of the cutter and tracer with respect to said tables to a new working plane, to effect a second pattern controlled milling operation on the work in spaced relation to the first operation upon the next rotation of the tables.

2,473,742

INFLATION INDICATOR FOR CATHETERS

John M. Auzin, Warwick, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island

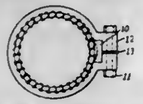
Application December 28, 1944, Serial No. 570,508
3 Claims. (Cl. 128—349)



1. A catheter construction comprising a body portion having a drainage passageway therethrough, the distal end of the body portion having a drainage eye communicating with the drainage passageway, an inflatable balloon on said body portion adjacent the distal end, an inflation conduit having an inlet connection and communicating with said balloon, and an inflatable indicator device mounted on the body portion at the other end thereof and having a plurality of inflatable elements each communicating with said inflation conduit, whereby said

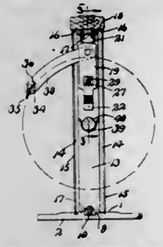
indicator device sections are inflated when the balloon is inflated and are deflated when the balloon is deflated.

2,473,743
ANTIFRICTION SCREW AND NUT
William B. Barnes, Muncie, Ind., assignor to Barnes Motor Developments Company, a partnership
Application February 19, 1945, Serial No. 578,600
1 Claim. (Cl. 74—459)



A nut and screw structure comprising a nut member and a screw member, one of said members having a helical channel therein having a raceway connecting the ends of the helix and the other having a screw channel therein, friction reducing balls mounted in said channels and means for varying the diameter of said nut member.

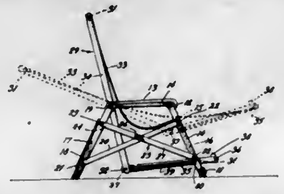
2,473,744
PAPER ROLL HOLDER
Elvah O. Bulman, Grand Rapids, Mich.
Application April 7, 1947, Serial No. 739,776
3 Claims. (Cl. 242—55.5)



1. In a paper roll holder, a supporting frame including two spaced apart standards, a base supporting member at the lower end of each standard, said standards and base supporting members having parts slightly spaced from each other, means for connecting such standard to its base support including bolts and nuts, the bolts passing through said spaced parts of said standards and supporting members, said parts being yieldingly resistant and sprung towards each other and exerting pressure upon the bolt heads and nuts to prevent relative movement of the bolts and nuts with respect to each other, a transverse bar across the upper ends of the standards, bolts passing through said standards and the upper ends of the bar, said upper ends of the standards having yieldingly resistant portions spaced from the bar deformed by the bolt connections and nuts on the bolts to exert deforming pressure on said yielding portions.

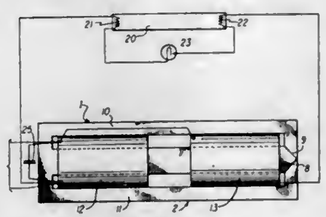
2,473,745
CHAIR
Alfred Di Renzo, Passaic, N. J.
Application November 15, 1945, Serial No. 628,877
12 Claims. (Cl. 155—106)

1. A chair comprising a supporting portion comprising spaced connected side frames, a back frame pivoted thereon and extending below the top of the supporting portion, a member pivoted to the lower portion of the back frame and slidably associated with the supporting portion to extend forwardly in a sitting position in a major extension below the supporting portion and adapted to move upwardly and forwardly toward a position tending to align with the back frame



when the latter is swung rearwardly and downwardly to a reclining position, a cross bar between the upper portions of the side frames at the front, and a flexible supporting member extending between and anchored to the upper end of the back frame and near the forward end of the member pivoted to the lower portion of the back frame to rest on the cross bar.

2,473,746
TRANSFORMER
Ernest H. Freeman, Wilmette, Ill., assignor to Hirsch Epstein and Louis R. Duman, Chicago, Ill.
Application June 24, 1946, Serial No. 678,785
1 Claim. (Cl. 171—119)

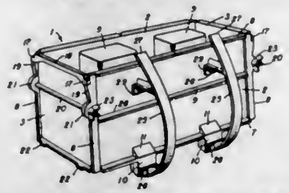


A transformer for a discharge tube load comprising a single primary winding and a single secondary winding spaced from the primary and electrically connected thereto in step-up auto transformer relationship, a magnetic core for said windings, said core comprising a stack of elongated rectangular flexible laminations, each lamination having longitudinal and transverse sides and a central longitudinally extending leg integral with only one of the transverse sides of the lamination and separate from the other transverse side of the lamination and located between and parallel to the longitudinal sides of the lamination and extending through both of said windings whereby the windings are embraced by the core on opposite sides of the longitudinal center of the core, the longitudinal sides of each lamination and the central leg thereof being free of projections between the windings thereby permitting sliding of the central leg through the windings to assemble the core through the windings.

2,473,747
ART OF PRESERVING AND MAINTAINING COLOR OF GREEN VEGETABLES
Leonard F. Gieseker, Preble, Ind.
No Drawing. Application April 19, 1948, Serial No. 21,859
8 Claims. (Cl. 99—186)

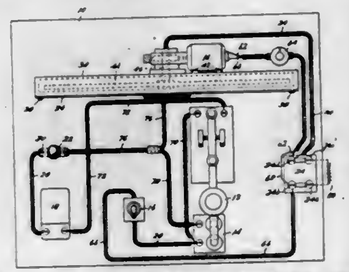
1. A method of preserving the color of canned green vegetables which method consists in soaking the vegetables in a dilute solution of ammonium hydroxide prior to canning.

2,473,748
PORTABLE MOLD FOR CONCRETE BLOCKS
Edwin F. Green, Ashland, Ky.
Application July 8, 1947, Serial No. 759,571
3 Claims. (Cl. 25—121)



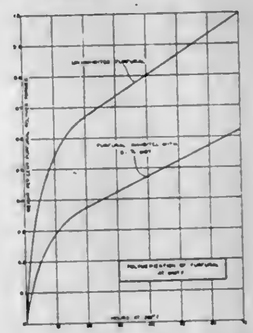
1. A mold box for building blocks adapted to be stood upright for filling with moldable material and to be stripped of molded material by inverting and lifting the same, a pair of rockers on one side of said box for rocking said box into inverted position for lifting inverted, and end plates in said box slidable partway out of the same when the box is lifted in inverted position to thereby guide lifting of the box relative to the molded material.

2,473,749
TELEGRAPHIC CODE TEACHER
Harold M. Herman, Chicago, Ill.
Application September 4, 1946, Serial No. 694,684
1 Claim. (Cl. 178—115)



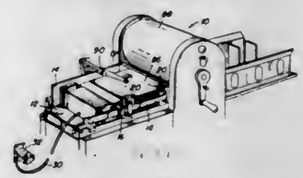
A telegraphic code teaching apparatus, comprising a base, a casing mounted in an upright position on the base, a horizontal shaft rotatably mounted in the casing, a disk fixed to the shaft and provided on its periphery with code characters, an electric motor fixed to the casing against one side thereof, gear means establishing a driving connection between the armature shaft of the motor and said first shaft, a telegraph key mounted upon the base at the opposite side of the casing, a part of said key constituting an armature, electro-magnets fixed to the base below the armature, switch means located within the base below the disk having a fixed contact and a pivoted contact, a spring normally holding the movable contact out of engagement with the fixed contact, an arm on the pivoted contact positioned for contact by the code characters of the disk, said characters and spring constituting means ultimately opening and closing the switch, conductors connecting the contacts with the electromagnet and with the current source.

2,473,750
INHIBITING POLYMERIZATION AND CORROSIVENESS OF FURFURAL BY MERCAPTOBENZOTHIAZOLE
John C. Hilliyer, Bartlesville, Okla., and Daniel A. Nicewander, Borger, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware
Application October 23, 1945, Serial No. 624,048
11 Claims. (Cl. 202—39.5)



8. In the extractive distillation of aliphatic C_4 hydrocarbon mixtures containing unsaturated C_4 hydrocarbons in admixture with more saturated C_4 hydrocarbons using furfural containing dissolved water in amount ranging from 1 per cent up to saturation as the selective solvent, the improvement which comprises inhibiting polymerization of the furfural by incorporating therein from 0.01 to 0.50 weight per cent of mercaptobenzothiazole.

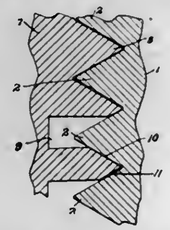
2,473,751
DEVICE FOR EXPELLING STATIC CHARGES FROM DIELECTRICAL SUBSTANCES
Howard R. Johnson, Baltimore, Md.
Application February 24, 1948, Serial No. 10,536
4 Claims. (Cl. 271—18)



1. The method of separating a single sheet of di-electrical substances from a pile thereof com-

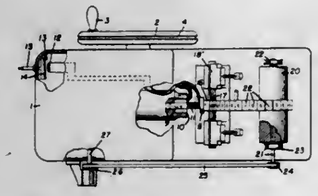
prising, the step of creating a pulsating electromagnetic field adjacent a pile of di-electrical substances for affecting the static charges between the sheets thereof, and then the step of removing a single sheet from the pile.

2,473,752
SELF-LOCKING TAPPET SCREW
Charles E. Johnson, North Muskegon, Mich., assignor to Johnson Products, Inc., Muskegon Heights, Mich., a corporation of Michigan
Application August 19, 1946, Serial No. 691,546
1 Claim. (Cl. 151—14)



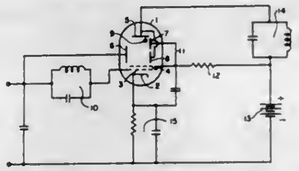
A tappet screw having a threaded shank, the inner portion of which is threaded with standard threads, and the outer portion having a continuous helical groove extending inwardly into said shank between adjacent threads deepening the bottom of said threads, said last mentioned threads being offset axially with respect to the threads on the inner portion of said shank, said continuous helical groove between the threads at the outer portion of the shank being of a shape to provide outer threads having inner parallel sides and outer edge portions with inclined outwardly converging sides, said outwardly converging sides of each of said threads toward the inner threaded portion being of greater area than those at the other side thereof.

2,473,753
MICROTOME AND ELECTROSTATIC DISPERSAL APPARATUS THEREFOR
Howard R. Johnson, Baltimore, Md.
Application November 20, 1946, Serial No. 711,103
6 Claims. (Cl. 88—40)



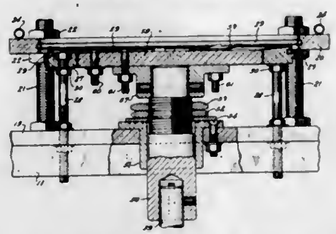
1. In combination with a microtome including a cutter as a part thereof, means carried by the microtome for holding a specimen relative to the cutter to be cut by the latter, and means supported on the microtome setting up an alternating magnetic field about the holding means and cutter, and for creating an eddy current in the holding means and cutter.

2,473,754
AMPLIFIER CIRCUITS WITH DOUBLE CONTROL
Johan Lodewijk Hendrik Jonker and Petrus Hubertus Johannes Agnes Kleynen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 9, 1946, Serial No. 668,550
In the Netherlands July 19, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 19, 1961
5 Claims. (Cl. 179—171)



1. An amplifier circuit arrangement, comprising an electron discharge tube having an electron-emitting cathode, a control grid, a screen grid, an electron beam deflection system comprising a first deflection electrode, a second deflection electrode arranged in cooperative association with said first deflection electrode and an anode, means to couple said first deflection electrode to the grid of said tube, means to connect said second deflection electrode to said screen grid, means to apply operating potentials to said tube, means to apply a signal voltage to the control grid of said tube and an output load impedance means connected to said anode.

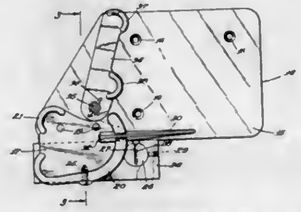
2,473,755
INDUCTION CAN SOLDERING MACHINE
William Lampiris, Milwaukee, Wis., assignor to Geuder, Paeschke & Frey Co., Milwaukee, Wis., a corporation of Wisconsin
Application August 13, 1945, Serial No. 610,543
2 Claims. (Cl. 219—13)



1. In a machine for soldering a circular base joint in a can, a turntable mounted for rotation in a substantially horizontal plane and adapted to receive the base of the can, a single-turn stationary inductance heating coil concentric with the axis of rotation of the table and having a greater diameter than the table and positioned above but adjacent to the plane of the top of the table, a second single-turn stationary inductance heating coil concentric with the axis of rotation of the table but being of smaller diameter than the first mentioned coil and located below said first mentioned coil substantially in the plane of

the table top, and means for energizing said coils to locally heat that portion of the can disposed between said coils and to melt solder placed on the interior of the can.

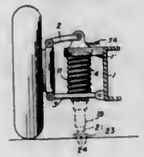
2,473,756
CUTTING DEVICE
June L. Lehnherr, Newton, Kans., assignor of one-third to Albert I. Kegan, Chicago, Ill.
Application November 27, 1946, Serial No. 712,595
8 Claims. (Cl. 164—73)



1. A cutting device for taking strips from sheets of leather or the like, consisting of: two castings, approximately mirror images of each other, each of said castings including at least one cylindrically surfaced flange extending perpendicularly therefrom; a work-supporting plate fixed between said castings perpendicular to said flanges, said castings extending outwardly over one edge of said plate and spaced apart thereby; a block, with a round hole therethrough, positioned in the space between said castings against said plate edge and flush with one surface of said plate; a screw threaded in one of said castings with the head of said screw bearing against an edge of said block, whereby said block is releasably secured against said plate edge and may be translated therealong and re-secured at a new adjusted position thereagainst; a longitudinally slotted cylinder rotatably journaled in the hole of said block, the top face of said cylinder being flush with said block and said plate; a knife positioned in the slot of said cylinder with a cutting edge perpendicular to said plate and parallel to said cylindrically-surfaced flanges and spaced to the convex sides thereof; an arm having a nethermost straight edge parallel to said plate, said arm projecting from one of said castings in front of said knife; means for raising and lowering said arm with respect to said plate; a second arm pivoted at one end thereof to said plate to the same side of said knife as said cylindrically surfaced flanges, said second arm thus being adapted to sweep over said plate in the area before said knife; a plurality of cylindrical flanges upstanding from the edge of said second arm proximal to said knife; and means for locking said second arm upon its pivot.

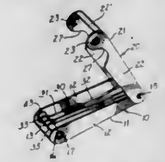
2,473,757
DASH-CONTROLLED HYDRAULIC JACK
James I. Long, Levy, Ark., assignor of twenty per cent to Glen Moody, twenty per cent to Anderson Jones, and twenty per cent to Samuel D. Gray, all of North Little Rock, Ark.
Application February 7, 1947, Serial No. 727,226
1 Claim. (Cl. 254—86)

The combination in a vehicle chassis having coil spring wheel suspension means, comprising a substantially vertical coiled suspension spring, a portion of the chassis bearing upon the upper end of said spring, a hydraulic jack having a cylinder disposed coaxially of said spring and secured to said portion, said jack having extensible elements operatively associated with said cylinder



whereby the jack may be collapsed upwardly substantially completely within said spring to maintain normal road clearance.

2,473,758
TIP CLEANER HOLDER
Harry D. Maitlen, Long Beach, Calif., assignor to Maitlen & Benson, Inc., Long Beach, Calif., a corporation of California
Application October 4, 1948, Serial No. 52,657
7 Claims. (Cl. 206—37)

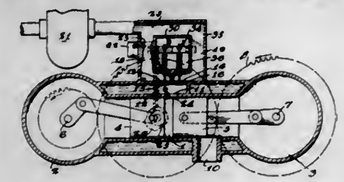


1. A holder for attenuate objects having loops at one of their ends, comprising: a box-like receptacle having a bottom wall, side walls, an end wall having an opening, and an open top; an extensible support spindle disposed between said side walls adjacent said end wall, said spindle being adapted to receive the loops of the objects to permit the same to pivot thereon from a retracted position within said receptacle to an extended position wherein their free ends project outwardly through the opening in said end wall, said side walls of said receptacle being provided with indentations in alignment with said spindle; and a cover member pivoted to said receptacle at the other end thereof to adapt said cover member to be opened to permit pivotal movement of the objects and to be closed to retain the objects in their extended and retracted positions, said cover member being of channel shape and having resilient side flanges adapted to overlie said side walls of said receptacle, said side flanges having detent projections adapted to snap into said indentations when said cover member is pivoted to closed position.

2,473,759
TWO-CYCLE OPPOSED PISTON ENGINE
Marion Mallory, Detroit, Mich., assignor to The Mallory Research Company, Detroit, Mich., a corporation of Michigan
Application August 2, 1946, Serial No. 687,916
8 Claims. (Cl. 123—51)

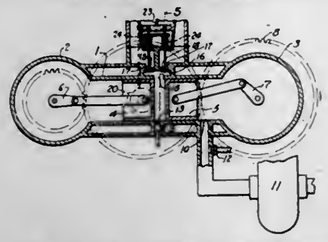
1. An internal combustion engine having a cylinder in which two opposing pistons operate and between which combustion occurs, said pistons being connected at opposite ends of the cylinder to separate crankshafts geared together with a two-to-one ratio, with the slow moving piston controlling an exhaust port, wherein the fast

moving piston has a crank lead over the slow piston at the firing position, and the exhaust port



is located so that the slow piston starts to uncover it when approximately midway of its outstroke.

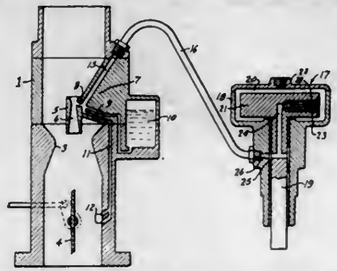
2,473,760
INTERNAL-COMBUSTION ENGINE
Marion Mallory, Detroit, Mich., assignor to The Mallory Research Company, Detroit, Mich., a corporation of Michigan
Application May 7, 1947, Serial No. 746,539
20 Claims. (Cl. 123—51)



1. In an internal combustion engine having a cylinder in which two opposing pistons operate and between which combustion occurs, said pistons being connected at opposite ends of the cylinder to separate crankshafts geared together with a two-to-one ratio and to start a cycle with the crank of the fast piston in substantially inner dead center position and the other in lagging relation, means for supplying air charges to the cylinder including an intake port controlled by the slow piston and positioned to be uncovered thereby during a predetermined arc of movement across outer dead center of the crank of said piston, said cylinder having an exhaust port adjacent to its center between the pistons, means operable to open the exhaust port during a considerable portion of the outstroke of the slow piston, and means to inject a fuel charge into the cycle before compression of a charge by opposed inward movements of the pistons.

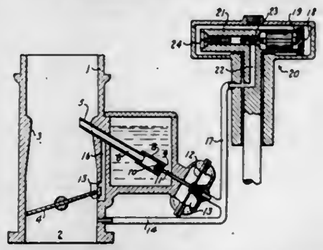
2,473,761
SPEED CONTROL FOR INTERNAL-COMBUSTION ENGINES
Marion Mallory, Detroit, Mich., assignor to The Mallory Research Company, Detroit, Mich., a corporation of Michigan
Application September 25, 1947, Serial No. 776,113
11 Claims. (Cl. 123—106)

1. The combination with an internal combustion engine comprising a fuel feed passageway to the engine cylinders and a carburetor having a fuel supply source, a main discharge nozzle disposed in said passageway, a channel through which fuel is drawn from the source to the nozzle by suction action therein occasioned by the rush of gases through said passageway, and a throttle in said passageway, of a vent channel leading to said nozzle channel from the atmosphere, and



means normally closing said vent channel and operable to open it and vent the nozzle channel to stop the fuel flow therethrough when the engine reaches a predetermined open throttle speed.

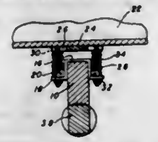
2,473,762
SPEED CONTROL FOR INTERNAL-COMBUSTION ENGINES
Marion Mallory, Detroit, Mich., assignor to The Mallory Research Company, Detroit, Mich., a corporation of Michigan
Application September 25, 1947, Serial No. 776,114
7 Claims. (Cl. 123—106)



1. The combination with an internal combustion engine having a fuel feed passageway to its cylinders, and a carburetor for feeding fuel to said passageway and comprising a fuel supply source, a main nozzle orifice opening into the passageway with a channel communicating with said source and through which fuel is drawn to said orifice by suction action in the passageway, and a throttle at the suction side of said nozzle, of a valve for closing said channel and normally standing in open position, and means operable by suction action in said passageway and by engine speed to close said valve and stop the fuel flow to the nozzle when the engine has reached a predetermined open throttle speed.

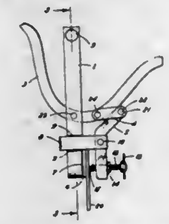
2,473,763
HOLDER ATTACHMENT FOR WAGONS
Donald N. Mathey, Platte, S. Dak.
Application June 4, 1947, Serial No. 752,552
2 Claims. (Cl. 280—143)

1. A shock absorber comprising a bolster member carried by a wagon axle, spring supporting brackets carried by said member intermediate the ends thereof, a bearing plate disposed above said member and beneath a wagon bed, ears projecting outwardly from said plate intermediate the ends thereof, shaft means engaging said ears and depending therefrom, the ends of said



brackets turned outwardly to receive the free ends of said shaft means, and spring means carried by said shaft means and interposed between said ears and said brackets.

2,473,764
CLAMP
Allan J. Park, Lakewood, Ohio
Application April 6, 1945, Serial No. 586,975
4 Claims. (Cl. 24—248)

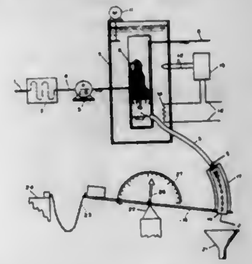


3. A clamp comprising main and movable jaws pivotally connected together between their ends, the portions of said jaws on one side of said pivotal connection being work engaging and parallel portions when in clamping position and the portions on the other side of said connection being diverging portions, a lever pivoted to the divergent portion of said main jaw, a link between the divergent portions of said jaws and pivotally connected to the movable jaw and to the lever, the lever being movable about its pivoted connection to the main jaw to move the clamping portions of said jaws into clamping position by moving the center of the pivotal connection of the link to the lever just beyond a plane joining the centers of the pivotal connections of the lever to the main jaw and the link to the movable jaw and to lock the jaws in clamping position by abutting against the movable jaw.

2,473,765
LIQUID FLOW MEASURING APPARATUS
Vern G. Platts, Phillips, Tex., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 20, 1944, Serial No. 564,321
3 Claims. (Cl. 73—215)

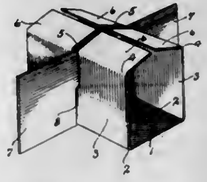
1. A device for continuously measuring the rate of flow of liquids comprising in combination, a stationary frame, a pivoted frame pivoted to said stationary frame, a reservoir mounted on said pivoted frame eccentric to its pivot and positioned to receive said liquids to be measured therein, said reservoir comprising a tank having perforations spaced vertically thereon, means for constantly balancing said reservoir and contents

comprising a flexible member of substantially uniform weight per unit length suspended freely from said stationary and said pivoted frames,



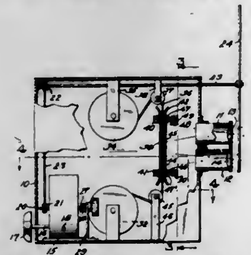
and means connected with said pivoted frame for indicating the weight of said reservoir and contents in terms of rate of flow of said liquid therein.

2,473,766
BOX PARTITION
Ralph C. Richey, Chicago, Ill., assignor to American Box Board Company, Grand Rapids, Mich., a corporation of Michigan
Application July 26, 1948, Serial No. 40,679
5 Claims. (Cl. 229—42)



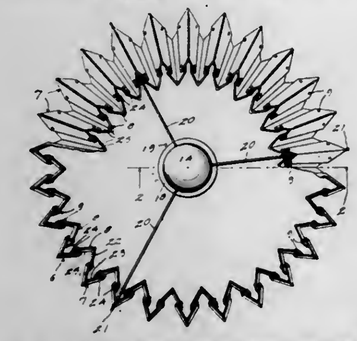
3. A box partition structure comprising, a rectangular sheet of paperboard having a transversely disposed rectangular bottom section between the ends thereof and located symmetrically with respect to said ends, an integral rectangular section extending from each side of said first mentioned rectangular section, there being bending lines between the adjacent edges of said first and second rectangular sections, and additional bending lines parallel to the first lines between said second mentioned rectangular section and the adjacent ends of the material sheet, said material sheet from each end thereof and between its sides having a slot extending from the adjacent end substantially half through the second mentioned rectangular section, whereby said material sheet is foldable into a structure having a horizontal bottom, vertical sides and inwardly extending separated flaps at the upper edges of said sides, and a second member of flat paperboard material of rectangular form having a width substantially equal to the width of the second mentioned rectangular sections of the first described member and twice slotted from one longitudinal edge thereof substantially half the width, said slots being spaced from each other a distance substantially equal to the width of the first mentioned rectangular section of the first described member.

2,473,767
PLUBAL LENS CAMERA
Earl Roberts, Easton, Pa.
Application June 27, 1947, Serial No. 757,405
1 Claim. (Cl. 88—16.6)



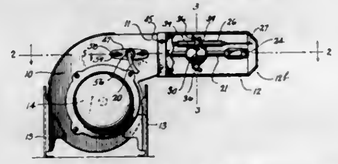
A device of the character described comprising a camera casing, a pair of reels mounted to carry film mounted in the casing, a lens mounted in the front wall of the casing, a second lens mounted in the front wall of the casing above and to one side of the first mentioned lens, a shutter adapted to cooperate with the lens and film to expose the film in pairs of successive frames, an intermittent motor, a disc at one side of one of the reels, said motor being provided with a shaft, a friction roll in driving engagement with the disc and adapted to cause the film to move a distance of two frames at each intermittent movement of the motor, a drive connection between the motor shaft and the drive roll, an elongated shaft extending from within the casing to a point beyond the front wall thereof and carrying said shutter, a drive connection between the motor shaft and the elongated shaft and means for starting and stopping said motor.

2,473,768
LAMP SHADE
Mario Sarra, New Britain, Conn.
Application December 27, 1946, Serial No. 718,777
5 Claims. (Cl. 240—108)



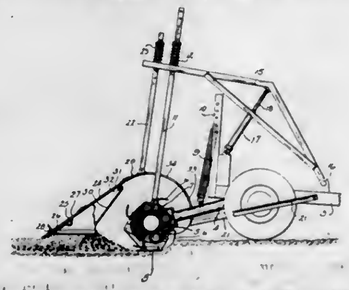
1. In a lamp shade, a plurality of reflector members each of substantially V-shaped cross section, a plurality of connecting elements for connecting said reflecting elements or members in spaced overlapping relationship whereby said reflecting members will be disposed to face alternately in opposite directions, and the adjacent edges of adjacently disposed and correspondingly facing reflecting members being spaced from one another whereby light rays directed toward one side of the shade will enter through certain of said spaces and be reflected a plurality of times from a plurality of surfaces of said reflecting members and projected outwardly through spaces of other of the reflecting members.

2,473,769
SUPPORT MEANS FOR OIL PIPES AND ELECTRODES IN OIL BURNERS
Carl E. Schinman, Seattle, Wash.
Application September 16, 1946, Serial No. 697,218
2 Claims. (Cl. 158—76)



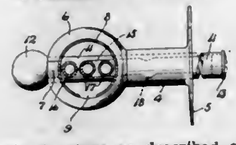
1. In an oil burner having a blast tube, an oil delivery pipe extending centrally within the blast tube and a pair of electrodes parallel with the said pipe; a support for the pipe and electrodes comprising a pair of saucer-shaped disks of the same diameter but of a lesser diameter than the blast tube, faced in opposite directions and secured edge to edge to form a hollow circular body; said disks having central openings loosely receiving the pipe therein, wings extending from the periphery of at least one of said disks and engaging in a supporting contact with walls of the blast tube to center the support in the tube; said disks having paired openings therethrough spaced from the axial line of the body and receiving said electrodes loosely therein for the slidable adjustment of the support longitudinally of the blast tube, and a clamp plate within the support underlying the electrodes and overlying the oil pipe, and a set screw threaded through the plate and engaged against the pipe and adapted to be turned to force the electrodes and pipe against the edges of their respective containing openings to hold the support against movement.

2,473,770
ART OF MIXING
Harry J. Seaman, Milwaukee, Wis.
Application June 24, 1943, Serial No. 492,014
1 Claim. (Cl. 94—44)



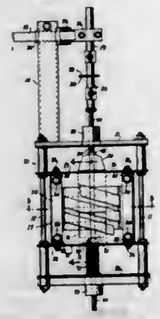
In a device of the character described having a rotary tilling head, means for rotating said head at high speed in a direction to throw tilled material rearwardly and a hood with a rearwardly inclined panel, the combination with said hood and panel, of an inclined foraminous screen mounted within the hood forwardly of the panel and at a steeper angle of inclination than the panel, said screen having openings adapted to pass fine material dislodged by said head and to force coarser material downwardly to be covered by such fine material, and means for releasably securing the panel against change of angular position respecting the hood, said panel having a hinged connection with the hood whereby to be floating when said means is released.

2,473,771
TOWEL RACK
Edward Guy Slater, Muskegon, Mich.
Application June 17, 1946, Serial No. 677,308
8 Claims. (Cl. 211—123)



3. A rack structure as described comprising, two horizontally spaced tubular supporting brackets, a hollow rack bar extending between the brackets, a supplemental rack including two parallel spaced side supporting rods each slidably extending through an opening in each of said brackets and movable inward and outward with respect thereto, and a plurality of rods extending between said side supporting rods and movably mounted thereon, whereby they may be spaced from each other or be brought closely adjacent to each other, said hollow bar having a longitudinal slot therein through which said last mentioned rods may pass to be housed in the hollow rack bar.

2,473,772
ELECTRIC STORED ENERGY RESISTANCE WELDING SYSTEM
Alfred Vang, New York, N. Y.
Application March 2, 1945, Serial No. 580,648
16 Claims. (Cl. 219—4)



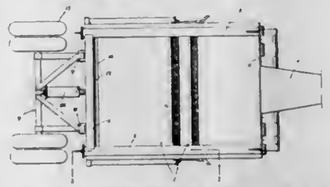
1. A system for resistance welding including a welder having opposed electrodes, a pair of solenoids associated to form a transformer, an armature in one of the solenoids for urging the electrodes together, the secondary of the transformer being adapted to supply a resistance welding current to the electrodes, and the primary being connected to an abruptly interceptible source of current, the only iron in the transformer being the armature.

2,473,773
TOOTHBRUSH
Harry D. West, Bay City, Mich., assignor of one-half to Eleanor Kushmaul, Saginaw, Mich.
Application November 16, 1945, Serial No. 629,151
2 Claims. (Cl. 128—62)



1. In a toothbrush, the combination of a body member including a handle, bristles projecting from said body member, a horizontally disposed, wedge-shaped, smooth, soft rubber massaging element mounted on the body element with the thick end of the wedge-shaped element located adjacent the front end of the bristles, said element being formed with a centrally disposed reduced neck section intermediate the body member and the wedge-shaped section to permit easy, universal movement of the upper wedge-shaped section of the massage element when the brush is in use.

2,473,774
LOAD EJECTING MECHANISM FOR CARRYING SCRAPERS
Paul Zakel, Stockton, Calif.
Original application July 10, 1945, Serial No. 604,211. Divided and this application June 28, 1947, Serial No. 757,878
5 Claims. (Cl. 37—126)

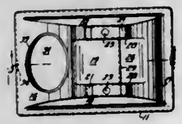


1. In a carrying scraper which includes a bowl having a rear endgate movable therein, and mechanism mounting and power actuating the rear endgate, said mechanism including fluid pressure actuated power cylinders disposed lengthwise of the bowl on opposite sides thereof, said cylinders including jackets and projecting piston rods, means anchoring the piston rods relative to the bowl, means supporting the jackets for lengthwise movement relative to the bowl and in substantially constant parallelism with the longitudinal axis of the bowl, and means suspending the rear endgate from said cylinder jackets.

2,473,775
DECORATIVE COVER FOR TELEPHONE DESK SETS
Calvin H. Allen and Mary E. Allen, Oakland, Calif., assignors to Colorphone, Inc.
Application August 26, 1946, Serial No. 693,123
7 Claims. (Cl. 179—179)

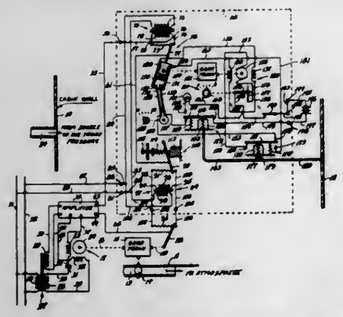
1. A decorative cover for a telephone base unit provided with a dial rotor on one side and a

finger receiving recess on the other side to thereby enable lifting of the unit with fingers comprising a substantially uniformly thin-walled hollow body superimposeable over the housing of said base unit, said body being in substantial conformity with and to snugly receive substantially the entire housing of said base unit, said body having therein recessed protuberances for receiving correspondingly shaped parts of the base unit which provide cradles for receiving and



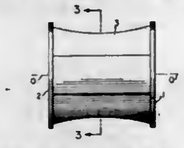
resting a transmitter-receiver unit which engages switch buttons located between said parts when so resting, and said body having therein apertures registering with and through which said switch buttons may protrude, a further aperture registering with and through which said dial rotor may be exposed, and a still further fingers-enterable aperture registering with said finger recess whereby fingers may be inserted to lift said base unit without dislodgement of the cover superimposed over said base unit.

2,473,776
PRESSURE CONTROL APPARATUS
Albert E. Baak, Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 22, 1944, Serial No. 541,583
15 Claims. (Cl. 98—1.5)



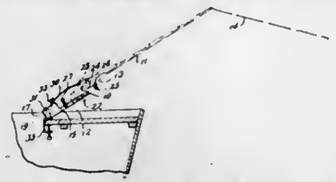
10. Aircraft cabin pressure control apparatus comprising, a valve for controlling air flow through said cabin, motor means for operating said valve, a manually operable selector means including part of a chaser switch means, motor operated switch means for completing said chaser switch means and including a reversible motor means, electrical impedance means arranged to be adjusted by said reversible motor means, means connecting said impedance means in controlling relation to said first named motor means, differential pressure responsive switch means, and means connecting said differential pressure responsive switch means and said selector switch means in controlling relation to the second named motor means so that said impedance means may be adjusted in a direction and to an extent determined by said chaser switch means and may be adjusted only when permitted by said differential pressure responsive switch means.

2,473,777
VARIABLE CAVITY RESONATOR
John T. Beechlyn, Worcester, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application May 17, 1945, Serial No. 594,211
3 Claims. (Cl. 178—44)



1. A resonator comprising a flexible outer conductor and a flexible inner conductor about a central axis having common end walls substantially parallel to one another, said conductors being formed by a plurality of flexible sections with the ends attached to said end walls, said sections forming a regular polygonal figure symmetrical with said axis.

2,473,778
FISHING ROD HOLDER
Edwin J. Benes, Newburgh Heights, Ohio
Application August 28, 1946, Serial No. 693,540
5 Claims. (Cl. 43—4)

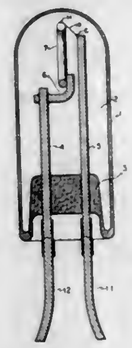


1. In fishing apparatus the combination of, a fishing rod, a rod holder adapted to receive and hold said rod, resilient holding means mounted on said holder adapted to embrace said rod in said holder in opposition to longitudinal pulling forces tending to release said rod from said holder, a brake member mounted on said holder and extending toward the forward end of the handle where it is adapted to rest on a line carried on a reel mounted on said handle for preventing the line from unwinding in response to movement of said rod along a body of water, and adjustable stop means adapted to regulate the longitudinal position of the rod on said holder for positioning a reel in relation to said braking member in such manner that the outer end of said member rests on the reel line, for the purposes described.

2,473,779
PICKUP LOOP WITH THERMOCOUPLE
Hugo Benioff, Pasadena, Calif., assignor, by mesne assignments, to Snbmarine Signal Company, Boston, Mass., a corporation of Delaware
Application March 10, 1945, Serial No. 581,990
2 Claims. (Cl. 136—4)

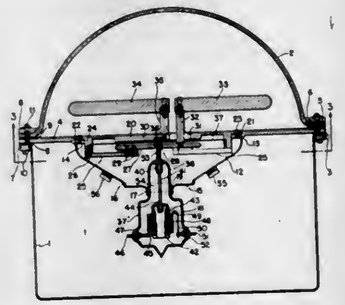
1. A device for measuring the intensity of electromagnetic wave energy of high frequency com-

prising: an evacuated vessel; two conductive supports extending through and into the vessel; a conductive ring having an open segment, the ring being supported at a point opposite said open segment by one of said supports; a thermocouple having the first of its dissimilar wires connected



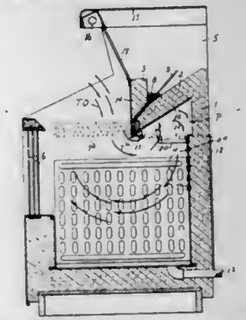
in the ring across the open segment and the second of its wires connected at one end to said first wire intermediate the ends thereof and at the other end to the end of the other of said supports, said other support terminating very close to said open segment, whereby the thermocouple wires are maintained very short.

2,473,780
SPARK TRANSMITTER
Hugo Benioff, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application October 5, 1945, Serial No. 620,562
11 Claims. (Cl. 250—17)



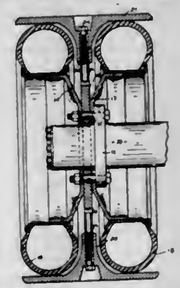
1. An ultra high frequency spark transmitter comprising a doublet antenna, a pair of opposed capacitive plates having central electrodes, means supporting the arms of the doublet from said opposed capacitive plates, a vacuum-enclosed impulse transformer having primary and secondary windings and means directly connecting the terminal of one end of the secondary to one of said electrodes.

2,473,781
MEANS TO ELIMINATE DRIPPAGE OF CONDENSATION IN OPEN-VIEW FROZEN FOOD CASES
Julius A. Brinkoeter, San Antonio, Tex., assignor to Ed Friedrich, Inc., San Antonio, Tex., a corporation of Texas
Application October 28, 1947, Serial No. 782,514
4 Claims. (Cl. 62—89.5)



1. In an open top frozen food refrigerator case having a back wall, side walls and a front window with a top rail and having warming coils around two sides and the back of the top opening of the refrigerator: the invention which comprises a semi-ceiling extending upwardly-rearwardly from the back of the top opening of the refrigerator and cooperating with the back wall of the case to provide a recess, and a condensate drain gutter along the lower edge of said semi-ceiling, and a drain pipe leading from said gutter to the outside of the case.

2,473,782
TRACTION DEVICE
Clarence W. Boone, Syracuse, N. Y.
Application September 24, 1946, Serial No. 699,027
3 Claims. (Cl. 152—220)



1. A traction device for vehicle wheels comprising a disk member secured to and rotatable with the wheel and having a plurality of circumferentially spaced apart radially extending projections non-circular in cross section, a traction shoe carried by each of said projections, each of said traction shoes having a stem portion formed with a recess complemental to said projections and slidably mounted thereon, said stem portions having laterally extending ground en-

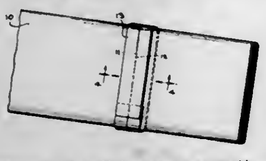
gaging portions extending over the periphery of the wheel, and means carried by each of said projections and cooperable with said traction shoes to limit the outward movement thereof.

2,473,783
PORTABLE HEATER
John W. Brown, Jr., Lakewood, Ohio, assignor to Brown Fintube Company, Elyria, Ohio, a corporation of Ohio
Application October 12, 1946, Serial No. 703,019
3 Claims. (Cl. 219—38)



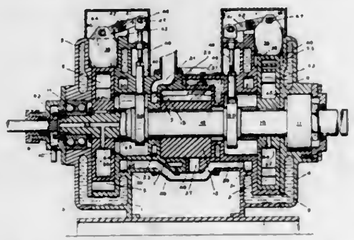
3. An electric heater comprising a deflector plate that is generally convex upwardly across its width and straight along its length, a channel along each long edge of said plate formed by turning the material at the long edges under the convex portion of said plate, a case adapted to extend above and across said plate and provided at two parallel edges with beads adapted to enter said channels, the distance between said beads when the case is removed being less than the distance between said channels to provide a snap fit between said beads and channels, an elongated heating element mounted on said plate lengthwise thereof and on the convex side substantially midway between said channels, a metal tube encasing said element and electrically insulated therefrom, a plurality of heat dissipating fins secured to the exterior of said tube and lying in planes transverse to the long axis of said tube, said case being provided with a plurality of openings to permit free flow of air therethrough and end covers overlying the open ends of said case.

2,473,784
INNER TUBE AND METHOD OF MAKING THE SAME
James C. Carlin and Robert R. Lloyd, Norristown, Pa., assignors to Lee Rubber & Tire Corporation, Conshohocken, Pa., a corporation of New York
Application November 9, 1944, Serial No. 562,730
1 Claim. (Cl. 154—14)



In a method of splicing a pneumatic rubber tube which consists in complementally severing the opposite ends thereof while in an uncured state to provide the same with freshly exposed surfaces, in joining together the severed ends of the tube with the exposed surfaces thereof in contacting relation, in applying about a substantial extent of the tube joint a circumferentially extending fabric tape having its inner surface treated with a material which is non-vulcanizably adherent to the rubber stock of the tube, said tape being bias cut to provide it with a capacity for lengthwise stretch, in inflating the tube preliminarily to curing of the same in a curing mold, and in then curing the inflated tube, said tape being so contracted in width upon the inflation of the tube and the corresponding lengthwise stretch of the tape as to draw the tape-covered portions of the tube stock together with a resulting increase in thickness of said portions.

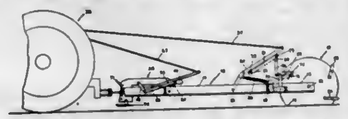
2,473,785
ROTARY COMBUSTION MOTOR
William A. Cate, Portland, Oreg., assignor of forty-nine per cent to Edward C. Cate, Portland, Oreg.
Application March 15, 1945, Serial No. 582,937
2 Claims. (Cl. 123—14)



1. A rotary internal combustion engine comprising in combination, a casing, two power cylinders and a compression cylinder axially aligned in said casing, said compression cylinder being between said power cylinder and having an outlet peripherally thereof and externally of said casing, a shaft mounted in said casing axially of said cylinders, rotors mounted in each of said cylinders and secured to said shaft, abutment members movably mounted in each of said cylinders to cooperate with the respective rotors mounted therein, ignition means in said power cylinders for firing fuel therein to drive the respective rotors therein, a fuel manifold encircling said shaft within said casing laterally adjacent said compression cylinder and having communication therewith through a common wall, supply manifolds in said casing respectively between said power cylinders and said compression cylinder, said supply manifolds respectively having communication with said power cylinders and having inlets opening externally of said casing on either side of said compression outlet, and a compression manifold in the form of a hood mounted on said casing and connecting said compression cylinder outlet and said supply manifold inlets.

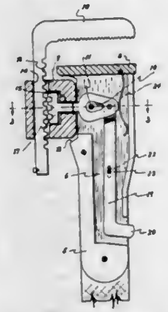
2,473,786
ROTARY EARTH SCRAPER
Edgar V. Collins, Ames, Iowa
Application December 22, 1945, Serial No. 638,695
5 Claims. (Cl. 37—140)

1. In a rotary scraper machine having a main frame including a tongue, and a bucket rotatably carried adjacent the rear end of the frame, a hitch member having a forward portion adapted for connection with a tractor unit, and a rear portion extended in a spaced relation longitudinally of the tongue, means movably supporting said hitch member on said tongue including an upwardly and forwardly inclined first link, and an upwardly and rearwardly inclined second link, means pivotally connecting said first and second links with said tongue and with the rear portion of said hitch member, a pair of toggle links pivotally connected together at one of their ends, with the opposite end of one of said toggle links being



pivoted on the pivot for the lower end of said first link, and the opposite end of the other one of said toggle links being pivoted on the pivot for the upper end of said second link, said toggle links, at one moved position of said first and second links being in substantial longitudinal alignment to releasably lock said first and second links in said one moved position, and manually actuated means for moving said toggle links out of longitudinal alignment to release said first and second links for movement to a second position.

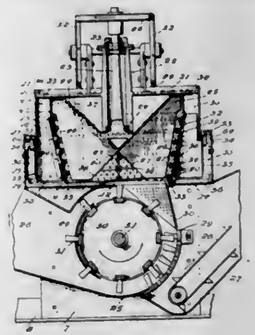
2,473,787
JAW ADJUSTING DEVICE FOR PIPE WRENCHES
Raymond Alexander Conn, Springfield, Nova Scotia, Canada
Application July 5, 1947, Serial No. 759,186
2 Claims. (Cl. 81—102)



1. A pipe wrench comprising a handle, a fixed jaw on an end thereof, a guide yoke hingedly connected by a transverse pivot to said handle near the fixed jaw end thereof, a movable jaw slidable in said guide yoke, a spring-urged bolt engageable with said jaw, slidably supported in said guide yoke and extending into said handle, said bolt being slotted to encompass the guide yoke pivot permitting it to both slide and hinge with its supporting guide yoke, a lever housed in said handle and longitudinally slotted approximately midway of its length and having its upper end pivotally attached to the inner end of said bolt and its lower end protruding from said handle, and a transversely disposed pivot pin extending through the slot in said lever on which said lever may both slide and teeter.

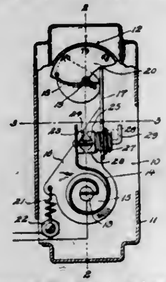
623 O. G.—54

2,473,788
GRAIN THRESHING AND SEPARATING MACHINE
Rollie Crain, Marion, Ill.
Application May 3, 1946, Serial No. 667,028
8 Claims. (Cl. 130—27)



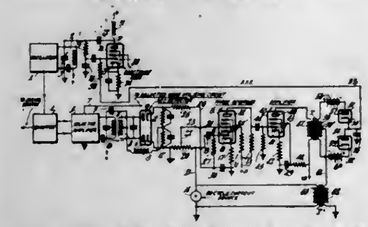
1. A grain thresher and separator comprising a cylindrical casing having its axis disposed vertically, said casing having a cylindrical side wall, a top, and a bottom, said casing bottom having a straw-inlet-opening spaced inwardly from said casing side wall and also having a grain-outlet-opening between said casing side wall and said straw-inlet-opening; an inner continuous wall surrounding said straw-inlet-opening of said bottom and having a portion of its circumference disposed between this straw-inlet-opening and said grain-outlet-opening of said bottom, said inner wall being spaced inwardly from said casing side wall and extending entirely from said casing bottom to said casing top, thereby providing a grain-receiving chamber between said inner wall and said casing side wall and extending entirely from said casing bottom to said casing top, said inner wall having grain-discharge perforations from its interior to said grain-receiving chamber, said inner wall also having a tangential straw-outlet located at its upper end and extending across said grain-receiving chamber and through said casing side wall; grain-threshing means under said bottom and effective to discharge straw upwardly through said straw-inlet-opening of said bottom into the space within the confines of said inner wall; a rotary straw-whirler-and-blower mounted on a vertical axis in said space within the confines of said inner wall and alone serving to discharge all straw through said tangential straw-outlet of said inner wall, said straw-whirler-and-blower having radial blades in close proximity with said inner wall and extending substantially from said casing bottom to said casing top; a rotary scraper between said inner and outer walls and operable over the portion of said casing bottom forming the bottom of said grain-receiving chamber for scraping the grain discharged into this chamber to said grain-outlet-opening of said casing bottom; and means for driving said straw-whirler-and-blower and said scraper.

2,473,789
THERMOSTATICALLY OPERATED SWITCH
George W. Crise, Columbus, Ohio, assignor to Crise Electric Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application March 25, 1946, Serial No. 656,795
5 Claims. (Cl. 200—138)



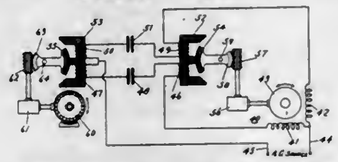
1. In a thermostatic switch, a base, a bimetallic element mounted at one end on said base, said element having a free end deflectable in response to temperature variations, a contact carried by the free end of said element, a permanent magnet having spaced poles mounted on the free end of said element adjacent to said contact, an adjustable supporting member arranged on said base, a threaded device rotatably adjustable on said supporting member, a contact on one end of said device arranged for intermittent engagement with said element contact, and a second permanent magnet having spaced poles mounted on and bodily movable with said threaded device and disposed in registration with said first-named magnet, the rotational adjustment of said device causing variation in the strength of the magnetic field provided between said magnets and control of the spacing between said contacts.

2,473,790
AUTOMATIC FREQUENCY CONTROL CIRCUITS
Murray G. Crosby, Upper Montclair, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 8, 1946, Serial No. 652,912
4 Claims. (Cl. 250—36)



1. In combination with a high frequency oscillator having means for adjusting the frequency thereof, an electronic reactance tube including connections to the oscillator for providing control over the oscillator frequency, a source of alternating voltage, a pair of rectifiers connected in series-aiding relation, means for individually biasing the rectifiers to cut-off, means for applying alternating voltage from said source to both of said rectifiers, a discriminator rectifier network having an input circuit responsive to oscillator frequency shifts, said network including an output circuit constructed and arranged to develop a direct voltage representative of said frequency shifts, an electron control device having at least two spaced control electrodes, means for applying alternating voltage from said source to said spaced electrodes in such relative magnitude that output voltage derived therefrom is normally zero, means for applying said direct voltage to at least one of the spaced control electrodes, means for applying to said rectifiers output voltage derived from the control effect of said spaced control electrodes, and additional means responsive to the joint output of said rectifiers for controlling the effect of said reactance tube.

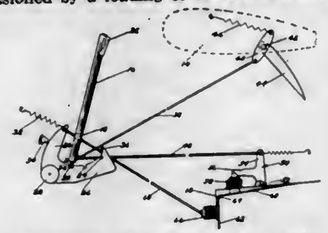
2,473,791
INDUCTION MOTOR SERVO SYSTEM
John A. Doremus, Chicago, Ill., assignor, by mesne assignments, to Raytheon Air Beam, Inc., Newton, Mass., a corporation of Delaware
Application January 31, 1947, Serial No. 725,686
3 Claims. (Cl. 318—28)



1. A servo system comprising an adjustable position first element, a driven adjustable position second element, a split phase induction motor for driving said second element, a source of alternating current for energizing said motor, a first adjustable phase-shifting network connected in series with one winding of said motor and said source, and a second adjustable phase-shifting network connected in series with the other winding of said motor and said source, each of said first and second networks having two variable reactors connected in series with a reactor of opposite sense, one variable reactor of each network comprising a winding mounted on a core which is common to both networks, the inductances of said windings being oppositely varied in accordance with the position of said first element, the other variable reactor of each network being varied in accordance with the position of said second element to thereby adjust the phase shift of each network to be equal to each other after each change in position of said first element.

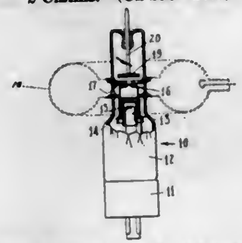
2,473,792
AUTOMATIC FLAP RETRACTOR
Athanas P. Fontaine, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application September 17, 1945, Serial No. 616,893
1 Claim. (Cl. 244—42)

In a control system for an aircraft having wing flaps and a shock strut, a fixed support, a lever pivoted on the fixed support having a pawl at one end thereof, a rack pivoted on the fixed support having spaced slots adapted to receive the pawl, a crank on the flap, resilient means associated therewith urging the flap to a retracted position, a trigger adapted to be actuated by loading the shock strut, a first cable connecting the crank to the lever, a second cable connecting the rack to the trigger, a third cable connecting the lever to the trigger, means associated with the rack to yieldingly oppose any rotation thereof occasioned by a loading of the shock strut, and



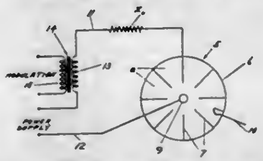
means yieldingly urging the trigger away from the shock strut.

2,473,793
GRID STRUCTURE
Bernard C. Gardner, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application October 26, 1945, Serial No. 624,844
2 Claims. (Cl. 250—27.5)



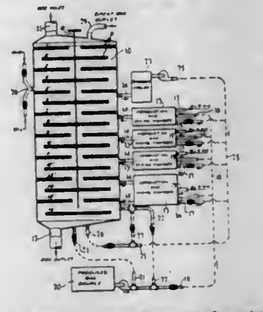
2. A grid structure for an electron-discharge device comprising: a tubular member having integrally formed, at one end thereof, a plurality of inwardly-directed, radially-disposed, wedge-shaped fingers, and at the other end thereof, an annular flange for connecting the same to an external circuit; said fingers lying in planes parallel to the axis of said tubular member.

2,473,794
MODULATION SYSTEM
William M. Hall, Lexington, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 22, 1945, Serial No. 600,861
2 Claims. (Cl. 332—5)



1. In combination: a magnetron oscillator; a source of modulating voltage therefor; and means for rendering the output voltage of said oscillator substantially linearly variable with said modulating voltage; said means comprising an impedance connected in series intermediate said oscillator and said source of modulating voltage; said impedance being of such value that the ratio of the voltage on said oscillator to said modulating voltage is approximately the reciprocal of the ratio of the oscillator output voltage to said modulating voltage in the absence of said impedance.

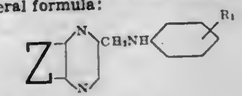
2,473,795
REDUCTION OF ORES CONTAINING NICKEL
Robert C. Hills and Maurice F. Dufour, Nicaro Cuba, assignors to Nicaro Nickel Company, New York, N. Y., a corporation of Delaware
Application May 10, 1944, Serial No. 534,878
7 Claims. (Cl. 75—82)



1. In the selective reduction of the nickel content of oxide ores containing iron and nickel by means of heating gases and reducing gases contacted with the ore during its passage through a furnace, the process of controlling the temperature and reduction characteristics of the gaseous atmosphere in the furnace which comprises, introducing in regulated amounts at regulated temperatures hot flue gases in admixture with partially spent reducing gases theretofore withdrawn from said furnace, into the reducing gas atmosphere in contact with the ore at one or more points between the ore inlet and the ore outlet of the furnace, thereby altering both the temperature and the $CO:CO_2$ ratio in the gas atmosphere and accomplishing desired control.

2,473,796
PREPARATION OF HETEROCYCLIC COMPOUNDS
Martin E. Hultquist, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 2, 1946, Serial No. 645,250
8 Claims. (Cl. 260—250)

1. A method of preparing compounds having the general formula:

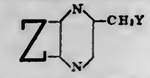


in which

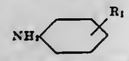


is a fused pyrimido pyrazyl radical and R_1 is a non-functional radical which comprises mixing

together and heating to a temperature of at least about 100° C. a compound having the formula:



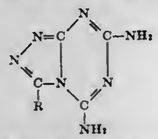
in which Y is a radical of the group consisting of those of tertiary amines and quaternary ammonium compounds, and a compound having the formula:



and recovering the said product.

2,473,797
TRIAZOLYLENE TRIAZINES AND PREPARATION THEREOF
Donald W. Kaiser, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 13, 1944, Serial No. 563,313
12 Claims. (Cl. 260—249.5)

7. Compounds having the following general formula



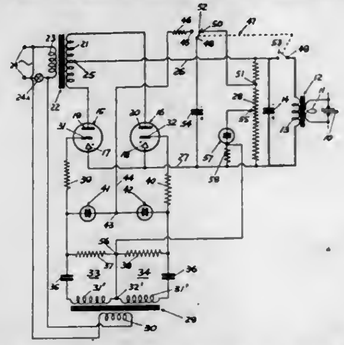
in which R is a radical of the group consisting of aliphatic and aromatic radicals.

2,473,798
NONIONIC SURFACE ACTIVE AGENT
Roy H. Kienle, Bound Brook, and Gordon P. Whitcomb, Watchung, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 10, 1946, Serial No. 682,584
11 Claims. (Cl. 260—29)

1. A stable emulsion of water and synthetic resin which includes, as a non-ionic emulsifying agent, an ester of a dicarboxylic acid of the alicyclic series obtained by the heat dimerization of poly-unsaturated long chain fatty acids with a polymerization product of an alkylene oxide of 2 to 3 carbon atoms having a molecular weight of from 300 to 6000.

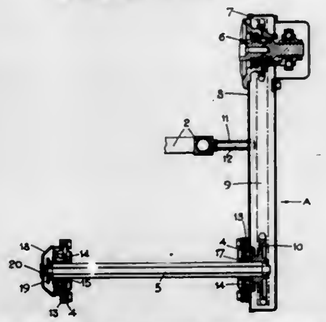
2,473,799
CONDENSER WELDING SYSTEM
Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 16, 1947, Serial No. 722,353
4 Claims. (Cl. 219—4)

1. An electrical system comprising: a plurality of capacitors; means for charging said capacitors, said means including a source of alternating voltage and a plurality of grid-controlled gaseous discharge devices for rectifying the same; a load circuit; means for discharging a first of said capacitors through said load circuit; means, operable simultaneously with said discharging means, for discharging a second of said capacitors; and means, including in part said last-named means, for connecting said second capacitor to the grids of said devices during discharge of such capacitor, whereby the voltage across



said second capacitor is applied to said grids during the discharge thereof, and thereby the discharge devices are rendered non-conducting.

2,473,800
MOUNTING AND DRIVING THE LAND ROTOR OF AGRICULTURAL OR LIKE VEHICLES
George Hugh Foley Knight, Basingstoke, England
Application October 21, 1947, Serial No. 781,224
In Great Britain July 28, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 28, 1964
6 Claims. (Cl. 180—19)



1. Mounting and driving means for interchangeable rotors of an agricultural, horticultural or like implement having a chassis comprising in combination, bearing housings attached one to each of two carrier frames disposed at the sides of the chassis of the implement, a radial ball or roller bearing mounted in each of said housings, a first bearing sleeve fixedly supported in the inner race of one bearing, a chain sprocket wheel connected with a power unit on the implement chassis and having a sleeve-like hub fixedly supported in the inner race of the other bearing and constituting a second bearing sleeve aligned with the first, and a rotor supporting and driving axle non-rotatably mounted in the said bearing sleeves so as to be driven by the second bearing sleeve, the bearing housing of said first bearing sleeve being fitted with detachable means normally preventing endwise movement of the axle, but facilitating said movement when detached to enable the axle to be withdrawn for replacing the rotor by another.

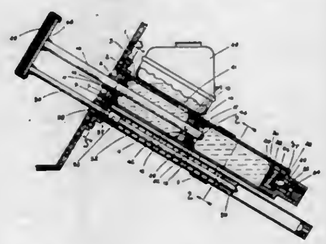
2,473,801
EMULSIONS OF POLYMERIZABLE COMPOSITIONS
Edward L. Kropa, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 1, 1939, Serial No. 265,543
2 Claims. (Cl. 260—29.2)

1. An aqueous emulsion containing a homogeneous mixture including a polymerizably reactive monomeric polyallyl ester of a polybasic acid having no conjugated carbon-to-carbon double bonds, and a maleic polyester of hexaethylene glycol.

2,473,802
PREPARATION OF 2,4,5-TRIAMINO-6-HYDROXYPYRIMIDINE
Erwin Kuh, New Brunswick, and Hugh S. Barnaby, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 20, 1946, Serial No. 698,396
6 Claims. (Cl. 260—251)

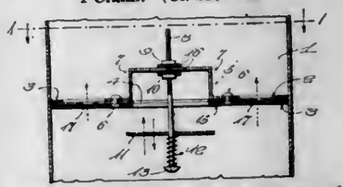
1. A method which comprises subjecting 2,4-diamino-5-nitroso-6-hydroxypyrimidine to the action of the zinc dust and ammonium hydroxide whereby the nitroso radical is reduced to an amino radical and thereafter acidifying the reduction liquor to precipitate an acid salt of 2,4,5-triamino-6-hydroxypyrimidine and recovering said acid salt.

2,473,803
MASTER CYLINDER
Ludger E. La Brie, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application June 1, 1945, Serial No. 597,102
3 Claims. (Cl. 60—54.6)



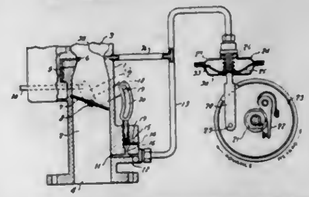
1. In a master pressure device for hydraulic brakes, a pair of parallel plungers, a reservoir into which one of said plungers extends a pressure chamber into which the first plunger extends for creating fluid pressure upon the inward movement of said plunger, a spring housing into which the other of said plungers extends, a packing about the first plunger to retard the escape of fluid from the reservoir along the plunger, a guide member having openings therein, one for each plunger, and having a cross-opening from outside the packing member for one plunger to the guide for the other plunger to lubricate the latter plunger by brake fluid which passes the packing member.

2,473,804
DRAFT CONTROL FOR OIL BURNERS
Arthur T. Ledoux, Littleton, N. H.
Application June 5, 1947, Serial No. 752,719
1 Claim. (Cl. 236—45)



An automatic draft control for burners having a vertical flue section, including a support disk positioned within said flue section, said disk having an aperture therein for the passage of flue gases, means frictionally maintaining said disk in a horizontal position within said flue section, a saddle carried by said disk and having a portion extending over and spaced from said aperture, a rod carried by said saddle and extending downwardly through said aperture, a valve member mounted on said rod below said aperture for free vertical movement toward said aperture on increase in burner draft, and a spring carried by said rod below said valve member to limit downward movement of said valve member on decrease in burner draft.

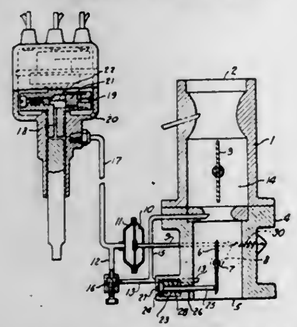
2,473,805
IGNITION TIMING CONTROL MEANS FOR INTERNAL-COMBUSTION ENGINES
Marion Mallory, Detroit, Mich.
Application August 31, 1948, Serial No. 47,008
6 Claims. (Cl. 123—117)



1. In an internal combustion engine having an intake passageway, a throttle valve in the intake passageway controlling the flow of motive fluid therethrough, an ignition timer, a suction device for actuating said ignition timer to advance and retard the spark, an orifice located in said intake passageway always on the engine side of said throttle valve, a conduit connecting said orifice with the suction chamber of said suction device, said suction device being constructed and arranged so that upon a fall of pressure in the suction chamber the suction device tends to advance the spark and upon a rise in pressure in the suction chamber the suction device tends to retard the spark, an air bleed orifice communicating with said suction chamber, a valve controlling said air bleed orifice, and means for actuating said valve to open said air bleed orifice when the throttle valve is in idle position where-

by the pressure in said suction chamber is bled down and the spark is substantially fully retarded.

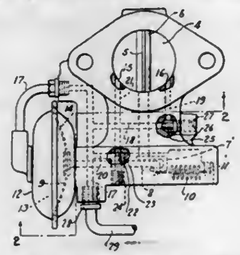
2,473,806
ENGINE GOVERNOR
Marion Mallory, Detroit, Mich.
Application January 10, 1944, Serial No. 517,623
3 Claims. (Cl. 123—103)



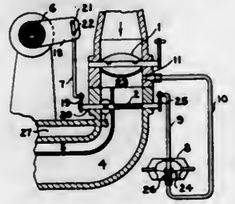
1. A device for controlling the speed of an internal combustion engine having an intake passageway comprising a governor valve in said passageway, means actuated by changes of pressure in the intake passageway on the engine side of said governor valve and having an operative connection with said governor valve for controlling the flow of motive fluid through said intake passageway, speed controlled air bleed means for bleeding air into said pressure actuated means below the governed speed of the engine and tending to close as the engine reaches its governed speed whereby the pressure actuated means tends to move said governor valve toward closed position, a throttle valve on the atmosphere side of said governor valve, resilient means tending to open said governor valve, said resilient means moving said governor valve toward open position when the air bleed to said pressure actuated device is opened, a dash pot for controlling the rate of opening of said governor valve, and a servo motor responsive to the intake passageway suction when the throttle valve is at idle and thereby tending to close said governor valve.

2,473,807
ENGINE GOVERNOR
Marion Mallory, Detroit, Mich.
Application June 9, 1945, Serial No. 598,562
4 Claims. (Cl. 123—103)

1. A governor for an internal combustion engine having an intake passageway, a throttle valve in said passageway for controlling the flow of motive fluid to said engine, a pressure actuated device responsive to changes in pressure in the intake passageway, a connection between said pressure actuated device and said throttle valve whereby as the pressure falls in said pressure actuated device the device tends to move said throttle valve toward closed position, first and second orifices in the intake passageway on the engine side of said throttle valve when in nearly closed position, said orifices communicating with said pressure actuated device, the second of said orifices being positioned adjacent the throttle valve whereby as the throttle valve opens, the second orifice passes on to the atmosphere side of said throttle valve and tends to serve as an air bleed orifice to said pressure actuated device, resilient means tending to open said throttle valve, a third orifice constituting an air bleed for said pressure actuated device, a valve centrifugally controlled in accordance with engine speed for controlling said third air bleed orifice, said centrifugal valve tending to close said third orifice at a predetermined engine speed whereby said pressure actuated device responds to intake passageway pressure and moves said governor valve toward closed position.



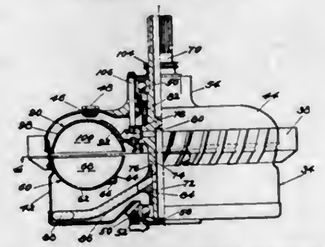
2,473,808
FUEL TEMPERATURE CONTROL FOR INTERNAL-COMBUSTION ENGINES
Marion Mallory, Detroit, Mich.
Application January 10, 1946, Serial No. 640,222
4 Claims. (Cl. 123—122)



1. In an internal combustion engine having an intake passageway for supplying motive fluid to said engine, a throttle valve controlling the flow of motive fluid therethrough, heating means, a second passageway for supplying motive fluid to the engine in heat exchange relation with said heating means and communicating with the first intake passageway on the engine side of said throttle valve, valve means independent of said throttle valve for controlling the flow of motive fluid through said intake passageways on the engine side of the throttle valve, said valve means being constructed and arranged to decrease the flow of motive fluid through the first mentioned intake passageway as it increases the flow through the heated passageway, a thermostat in heat exchange relation with said engine and having a lost motion connection with said valve means whereby said thermostat when the engine is cold controls said valve means to increase the flow of motive fluid through said second passageway and when the engine is hot the thermostat owing to its lost motion connection is ineffective to actuate said valve, and a fluid pressure motor actuated in response to changes of pressure in the intake passageway on the engine side of said throttle valve and between said throttle valve and

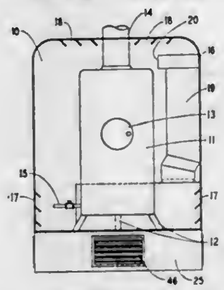
said valve means whereby said pressure actuated means when the engine is hot responds to a rise in intake passageway pressure to increase the flow of motive fluid through the first intake passageway and decrease the flow through the heated passageway and responds to a fall in intake passageway pressure to increase the flow of motive fluid through the heated passageway and decrease the flow through the other passageway.

2,473,809
FLUID COUPLING
Raymond J. Miller, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application July 31, 1943, Serial No. 496,934
5 Claims. (Cl. 60—54)



1. A fluid coupling comprising a rotatable housing having a fluid reservoir therein, a shaft rotatable in the housing having a passage therethrough, scoops in the reservoir carried by the shaft and in communication with the passage, an impeller carried by the housing, a runner carried by the shaft for cooperation with the impeller and providing in conjunction therewith a fluid working circuit and valve means on the shaft for control of communication between the passage and the working circuit.

2,473,810
HEATER
John W. Miller, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application February 1, 1944, Serial No. 520,620
2 Claims. (Cl. 98—33)



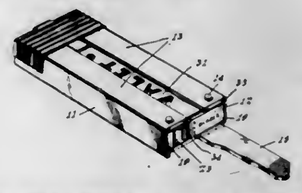
1. A device of the character described comprising a plurality of upright walls forming an enclosure, a heater casing supported upon said walls, an upright partition in said enclosure dividing the same into an air intake chamber and an air distributing chamber and having an opening forming a passageway between said chambers, a generally horizontal wall supported by said upright walls between said enclosure and said heater casing, said horizontal wall having an air inlet opening forming a passageway between said heater casing and said intake chamber, said intake chamber having an air inlet opening in an upright wall thereof communicating with the atmosphere exteriorly of said enclosure and casing, means for selectively closing one or the other of said inlet openings, said distributing chamber having an outlet opening in the upright wall thereof, and a fan located in said passageway between said air intake chamber and said air distributing chamber and for withdrawing air from the intake chamber and discharging it into the distributing chamber.

2,473,811
DESOXY ISO-XANTHOPTERINS AND PROCESS OF MAKING SAME
John H. Mowat and James H. Boothe, Pearl River, N. Y., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 26, 1945, Serial No. 579,882
8 Claims. (Cl. 260—251)

1. New compounds of the group consisting of 9-desoxy iso-xanthopterin carboxylic acid and its alkali metal salts.

5. A method of preparing 9-desoxy iso-xanthopterin carboxylic acid which comprises heating iso-xanthopterin carboxylic acid with a chlorinating agent to obtain 9-chloro iso-xanthopterin carboxylic acid and reducing said chloro compound to obtain 9-desoxy iso-xanthopterin carboxylic acid.

2,473,812
BLADE MAGAZINE
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application January 23, 1945, Serial No. 574,076
4 Claims. (Cl. 206—16)

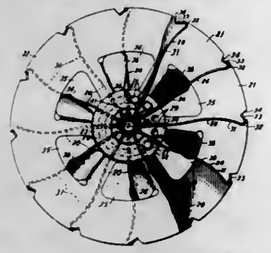


1. A blade magazine comprising an outer open end casing and an inner blade-carrying unit having a side wall terminating at its ends in reentrant flanges, a stack of single-edged blades having unsharpened ends and backs and being retained with their backs against said side wall, and an end wall in said unit separated by a space from one of said reentrant flanges, thereby providing a sight window exposing to view an unsharpened area of the blade stack.

2. A blade magazine comprising a casing having a pair of spaced flanges forming its top, means for supporting a stack of blades within the casing, and an integral feed slide of spring sheet metal having an outer finger piece merging

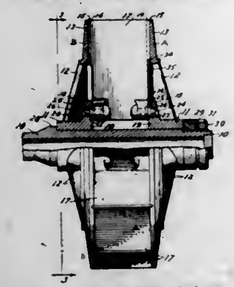
at its rear edge into a U-shaped connecting neck which is bent flatwise of the metal, and an inner plate merging at its rear edge into said neck and held yieldingly thereby against the underface of the flanges.

2,473,813
HIGH-TEMPERATURE FAN
Carl Nygren, Michigan City, Ind., assignor to Michiana Products Corporation, a corporation of Indiana
Application March 15, 1946, Serial No. 654,714
4 Claims. (Cl. 230—128)



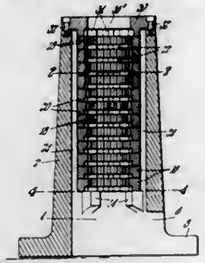
1. In a centrifugal fan, a plurality of blade elements each having a blade member provided at its inner end with a return bent portion radially shorter than the blade member and forming therewith an open channel of substantially sector shape, each return bent portion being engaged with the blade member of an adjacent blade element whereby the plurality of blade elements are assembled in circular series about a common axis of rotation, a pair of side plates, one at each side of the assembled blade elements, connected with the blade members adjacent to the outer edges thereof, hub members interposed between the ends of said channels and the inner portions of said side plates, a retaining bar positioned in each channel, and means securing said retaining bars and said inner portions of the side plates to said hub members.

2,473,814
HIGH-TEMPERATURE FAN
Carl Nygren, Michigan City, Ind., assignor to Michiana Products Corporation, a corporation of Indiana
Application April 24, 1947, Serial No. 743,515
4 Claims. (Cl. 230—134)



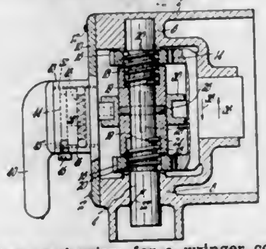
4. In a centrifugal fan, a shaft, a pair of side pieces spaced apart lengthwise on the shaft, at least one of said side pieces having a hub portion and a shroud integrally connected by radiating spokes, thereby providing inlet openings in the spaces between the spokes, a plurality of blades in circular arrangement about the axis of the shaft with their outer portions diverging outwardly and the edges at one side of each outer portion interlocked with the shroud for normal rotation but capable of freedom of expansion and contraction and with their inner portions converging inwardly, and means in circular series about the shaft making the inner portions of the blades fast to the hub portion of the named side piece to hold the blades against individual bodily movement outwardly due to centrifugal force.

2,473,815
TOOL APPARATUS
John Oakley, Springfield, Mass., assignor to Perkins Machine and Gear Company, West Springfield, Mass., a corporation of Massachusetts
Application December 13, 1945, Serial No. 634,737
2 Claims. (Cl. 29—95.1)



1. A broaching apparatus of the class described comprising in combination, a self supporting unitary holder having a longitudinal bore therethrough, supporting means in the lower end of said bore including a plurality of circumferentially spaced abutments extending inwardly from the bore, said bore of the holder provided longitudinally thereof and above said supporting means with circumferentially spaced inwardly extending projections the innermost sides of which are formed to cooperate and provide a circular axial guideway for cutter members and are arranged to space the sides of cutter members from the sides of said bore, a plurality of cutter members in stacked relation in said bore supported by said supporting means and held in axial alignment in said guideway by said projections whereby the sides of the cutters are spaced from the sides of the bore, a cap member secured to the upper end of the holder bearing on the uppermost cutter member and provided with an opening for the passage of a blank to said cutter members, said cutter members provided with means holding them against relative rotation in the guideway and having central axial and aligned openings therethrough which are provided with inwardly extending cutting teeth arranged whereby the teeth of successive cutters extend progressively inwardly from the uppermost to lowermost cutter members, the spaces between the projections and the abutments in conjunction with the sides of the bore and the sides of the cutters providing plural circumferentially spaced passageways longitudinally extending at the sides of the cutter members for the clearance of chips.

2,473,816
DRIVE MECHANISM
Julian L. Perkins, West Springfield, Mass., assignor to Perkins Machine and Gear Company, West Springfield, Mass., a corporation of Massachusetts
Application January 4, 1946, Serial No. 639,021
1 Claim. (Cl. 74—376)



Driving mechanism for a wringer comprising in combination, a support, a drive shaft and a driven gear journalled therein, pinions rotatable on said drive shaft in mesh with said gear, loosely wound coil clutch springs around said drive shaft each having an outer end secured to one of said pinions and provided with free inner ends, a sleeve fixed on said shaft having bores in opposite ends in which inner end portions of the springs are disposed and provided with a longitudinal slot in a side thereof, an actuator slidable up and down in said slot having opposite ends to engage the inner ends of said springs, a collar slidable up and down on said sleeve in engagement with said actuator for operating the same, an operating member rotatable in said support having a part engaging said collar whereby as said member is rotated between neutral and operating positions said collar is moved thereby to move said actuator into and out of engagement with inner ends of said springs, and a spring pressed detent in said support receivable in recesses provided in said member whereby said member is releasably held in neutral or operating position.

2,473,817
PRODUCTION OF RIBOFLAVIN
Allen S. Phelps, Orangeburg, N. Y., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 11, 1945, Serial No. 634,395
2 Claims. (Cl. 195—35)

1. A proces of producing riboflavin which comprises growing the fungus *Eremothecium ashbyii* in an aqueous medium containing in solution the essential components water, about 0.4 to 4.0% by weight of casein, from about 0.2 to 3.0% by weight of malt extract and, from 0.2 to 4.0% by weight of sugar while aerating the medium.

2,473,818
PROCESS OF PRODUCING RIBOFLAVIN
Allen S. Phelps, Orangeburg, N. Y., assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 29, 1945, Serial No. 638,469
4 Claims. (Cl. 195—35)

1. A process of producing riboflavin which comprises inoculating a liquid medium comprising water, a proteinaceous substance, 0.5 to 5% of malt extract, 0.2 to 2.0% by weight of sugar, and from 0.25 to 2.5% by weight of glyceride of a fatty acid with the fungus *Eremothecium ashbyii* and fermenting the said medium.

2,473,819
MULTIPLE GAP ARC INTERRUPTER
Ralph R. Pittman, North Little Rock, Ark.
Application July 12, 1946, Serial No. 682,989
8 Claims. (Cl. 175—30)



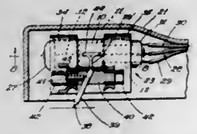
1. An arc interrupter comprising a plate condenser having an even number of at least four normally insulated conducting plates including a centrally-positioned pair of plates and an additional plate positioned adjacent to and at each side of said pair of plates, said plates being formed to provide a first spark gap between said centrally-positioned pair of plates, a second spark gap between one additional plate and that plate of said pair most remote therefrom, and a third spark gap between the other additional plate and the other plate of said pair, the series arrangement of said spark gaps and said centrally-positioned plates constituting a series circuit including the three spark gaps from said one additional plate to the other, said spark gaps being dimensioned to provide the weakest electrical path from said one additional plate to the other, and the capacitances as measured between each additional plate and the respective centrally-positioned plate being substantially equal and each capacitance being substantially greater than the capacitance as measured between said centrally-positioned plates.

8. An arc interrupter comprising a stack of normally insulated plates of conducting material, one of said plates co-operating with another adjacent plate to provide a predetermined capacitance therebetween and the remaining plates co-operating with respective adjacent plates to provide a plurality of substantially equal capacitances each substantially greater than said predetermined capacitance, and integral portions of said plates extending outwardly to form a series circuit arrangement including all of said plates and a plurality of spark gaps there-between, the arrangement being such that at least said predetermined capacitance is connected across each spark gap.

2,473,820
MAGNETRON-TYPE PHONOGRAPH PICKUP
Hans Kohn Richards, Chicago, Ill., assignor, by mesne assignments, to Raytheon Manufacturing Company, a corporation of Delaware
Application February 20, 1947, Serial No. 729,820
5 Claims. (Cl. 179—100.41)

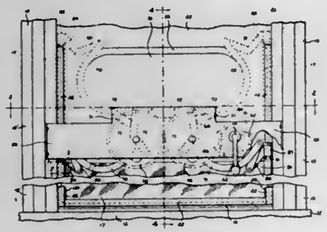
1. A device for translating the sound track of a transcription record or the like into electrical energy comprising a diode with a substantially cylindrical envelope having electrodes arranged for establishing an electron flow transverse of the longitudinal axis of said envelope, a magnet disposed adjacent the exterior of said diode, a pair of U-shaped flux guides affixed one to each end of said magnet and each tightly embracing said diode and producing with said magnet a

path of low reluctance so as to create within said diode a magnetic field extending in the direction of the axis of said envelope, means for varying the flux density within said diode comprising a member of magnetic material disposed adjacent said diode between said flux guides, and means



for moving said member in a path substantially perpendicular to a line interconnecting said flux guides in accordance with the undulations in the sound track of said record, said moving means being provided with a record engaging stylus and supporting said member, and being movably mounted with relation to said magnet.

2,473,821
WINDOW MECHANISM
Harry C. Richardson, Troy, Ohio, assignor to The Troy Sunshade Company, Troy, Ohio, a corporation of Ohio
Application March 9, 1945, Serial No. 581,788
7 Claims. (Cl. 296—44)

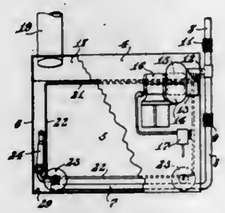


3. Window mechanism of the character described for use in a vehicle or the like comprising a main window, an auxiliary window located directly above and in spaced relation with respect to said main window, operating mechanism located between said windows for raising said main window to a position where it overlaps said auxiliary window, said operating mechanism being confined to the space between said windows and including links connected to the top of said window at the opposite sides thereof, and curved arms pivotally supported in the space between said windows and connected respectively with said links for causing the raising and lowering of said window, said curved arms lying laterally outwardly of said auxiliary window in raised position of the main window, and manually operable means for causing concurrent actuation of said arms in the raising and lowering of said main window, said means being so constructed that continuous operation of the handle in one direction will continuously raise and lower the window, and so that when the resistance of said window to moving approaches the breaking point of the glass the manually operable means will be disengaged from the operating mechanism.

2,473,822
WATER SOFTENING DETERGENT AND METHOD OF MAKING SAME
Edward A. Robinson, Pittsburgh, Pa., assignor to Diamond Alkali Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application November 13, 1946, Serial No. 709,439
21 Claims. (Cl. 252—135)

13. A stable water softening detergent material consisting essentially of a mixture of an alkali metal polyphosphate in which the ratio of alkali metal oxide to phosphorus pentoxide is 3:2 or less, said polyphosphate being coated substantially entirely with a material chosen from the group of alkali metal carbonates and alkali metal non-polyphosphate phosphates, and alkali metal metasilicate, said polyphosphate and said metasilicate being maintained substantially out of contact with each other in said mixture by said material.

2,473,823
METHOD OF AND APPARATUS FOR FINISHING GARMENTS
Robert E. Sands, Philadelphia, Pa.
Application March 12, 1945, Serial No. 582,247
12 Claims. (Cl. 34—12)

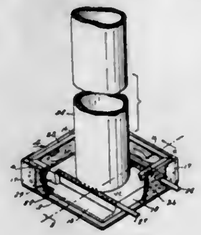


1. The method of simultaneously finishing a plurality of garments which comprises subjecting said garments in a closed chamber to the action of steam projected upwardly from below said garments whereby a portion thereof will pass directly into the bottom openings of said garments thereby to distend the same and to permeate the fabrics thereof with the steam, and thereafter subjecting said garments without moving the same from or in said chamber to the action of dry heated air to remove any residual moisture remaining in the garments.

2,473,824
CONCRETE MOLD
Newell S. Shumway, Phoenix, Ariz.
Application July 3, 1946, Serial No. 681,297
4 Claims. (Cl. 25—118)

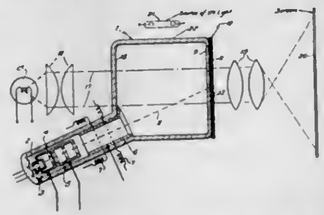
1. A cement mold for forming gate heads on the ends of cement pipes, comprising a rectangular open top box adapted to enclose the lower end of a pipe set vertically therein, said box including a rectangular base having a face, a rabbet formed around the edges thereof, edges defining the top, bottom, and sides of the gate head to be molded, and a rectangular faced boss formed thereon extending from the top defining edge on said base to a ledge set in from the gate head bottom defining edge, with the sides and ledge face of said boss extending upward and slightly inwardly from the face of said base and rabbets formed along the side edges thereof, together with enclosing plates

adapted to form the top, bottom and sides of said gate head, hinged together at three corners and latched at one corner and adapted to rest in the rabbet formed around said base; said gate head top forming plate being pierced to receive groove



forming bars; and groove forming bars extending thru said top forming plate and along the side edges of the face of said base boss with their outer edges extending beyond the top side edges of said boss, and their inner edges resting in said rabbets along the edges of said boss.

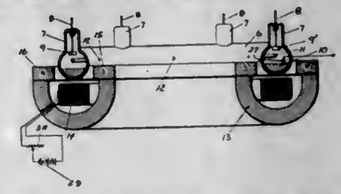
2,473,825
TELEVISION RECEIVER SCREEN
Charles G. Smith, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 23, 1945, Serial No. 589,903
6 Claims. (Cl. 88—61)



1. In combination: a mass of light refractive material, a second light refractive material dispersed in discrete spherical particles throughout the thickness of said mass, said materials having differently variable indices of refraction in the presence of an electric stress thereacross, and means for impressing an electrostatic field across said materials for changing the indices of refraction of said materials whereby the transparency of the composite structure may be varied in accordance with said electrostatic field.

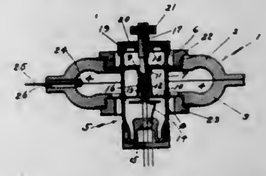
2,473,826
ELECTRICAL DISCHARGE DEVICE
Charles G. Smith, Medford, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application November 30, 1945, Serial No. 632,072
12 Claims. (Cl. 250—27.5)

1. A gaseous discharge device comprising an annular envelope containing a body of mercury providing an annular cathode, an annular anode spaced from said cathode, means for establishing an arc spot on said cathode, and means for imposing a magnetic field across the surface of said



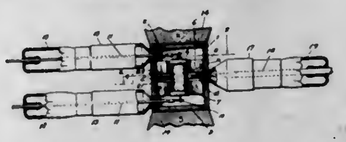
annular cathode effective to impart a retrograde motion to said arc spot.

2,473,827
ELECTRONIC DISCHARGE DEVICE OF THE CAVITY RESONATOR TYPE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application October 5, 1943, Serial No. 505,007
13 Claims. (Cl. 315—5)



1. An electronic discharge device comprising a glass envelope, a diaphragm extending transversely through said envelope and having a circumferential portion projecting externally thereof, said envelope being hermetically sealed to said diaphragm on both sides thereof, said envelope having an hermetically sealed space on one side of said diaphragm, a second diaphragm extending across said envelope on the opposite side of said first-mentioned diaphragm from said space and hermetically sealed to said envelope on the side thereof facing said first-mentioned diaphragm.

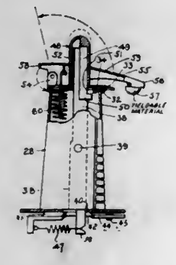
2,473,828
ELECTRON DISCHARGE DEVICE OF THE MAGNETRON TYPE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application November 15, 1943, Serial No. 510,424
4 Claims. (Cl. 315—40)



1. An electron-discharge device comprising: a cathode; an anode structure spaced from and surrounding said cathode; said anode structure including a plurality of anode arms having elec-

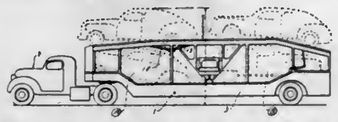
tron-receiving faces adjacent said cathode; each of said anode arms being divided into upper and lower sections by a slot passing through its electron-receiving face, along an axis perpendicular to said face; the slots of all of said anode arms being circularly aligned; and a conducting member supported intermediate said upper and lower anode arm sections; said conducting member traversing all of said slots.

2,473,829
REPEAT DEVICE FOR AUTOMATIC PHONOGRAPHS
Sven A. Stolberg, Chicago, Ill., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 23, 1945, Serial No. 589,756
5 Claims. (Cl. 274—10)



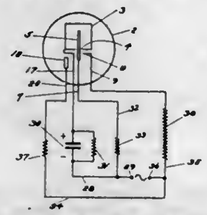
4. In a record changing phonograph, a turntable, a centering pin extending upwardly from said turntable including a shoulder to support a record eccentrically on said centering pin above said turntable, means for shifting said record laterally to bring it into concentricity with said centering pin and to release said record from said shoulder so it may fall onto said turntable comprising a vertical post adjacent said turntable, means on the upper portion of said post to support the peripheral edge portion of said record when said record is eccentrically mounted on said centering pin and supported on said shoulder, said last-mentioned means being of such a size and positioned so as to be free of said record when said record is shifted laterally so as to be concentric with said centering pin, a finger positioned at the upper portion of said post and movable along a radial line interconnecting said centering pin and said post, said finger being adapted to engage the peripheral edge of said record and move said record in a direction to release it from said shoulder, a lever associated with said finger disposed within said post and extending in a direction generally parallel with the axis of said post, means for positively moving said lever to cause said finger to move radially outward from said centering pin, yieldable means tending to move said lever and said finger in the other direction, said means for positively moving said lever being operative during a record changing cycle of said phonograph, and manually operable means slidably mounted on the upper end of said lever including an L-shaped member adapted to cooperate with said post to block the operation of said finger and lever when said L-shaped member is in a predetermined position whereby the phonograph operates to repeat the playing of the record on said turntable.

2,473,830
MOTORCAR CARRIER
Clarence C. Stuart, Dearborn, Mich., assignor to Traffic Transport Engineering, Inc., Dearborn, Mich., a corporation of Michigan
Application August 8, 1946, Serial No. 689,122
10 Claims. (Cl. 296—1)



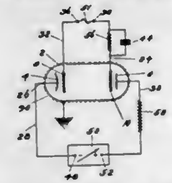
8. In a carrier for wheeled vehicles of the type having upper and lower decks for carrying motor cars one above the other, the combination of two upper tracks comprising the upper deck, each upper track comprising longitudinally aligned front, intermediate and rear track sections, a fixed pivotal support for the front end of said front section, a fixed pivotal support for the rear section and positioned intermediate the ends of said rear section, a pivotal connection between the front end of the rear section and the rear end of the intermediate section, said pivotal connection awinging downwardly when the rear section is swung upwardly about its pivot, a pivotal connection between the front end of the intermediate section and the rear end of said front section, said last pivotal connection moving upwardly when the rear section is elevated to clear a motor car being moved on to the lower deck, a third fixed pivotal support, lever means on said last named support connected to and actuated by said rear track section for raising the pivotal connection between the front and intermediate track sections when the rear track section is elevated whereby the pivotal connection between the front and intermediate track sections will also clear a vehicle being moved on to the lower deck, and removable supports for supporting the rear ends of said rear track sections when lowered to their normal car supporting position.

2,473,831
GLOW TUBE RECTIFIER
Paul W. Stutsman, Needham, Mass., assignor, by mesne assignments to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 24, 1944, Serial No. 523,738
8 Claims. (Cl. 315—234)



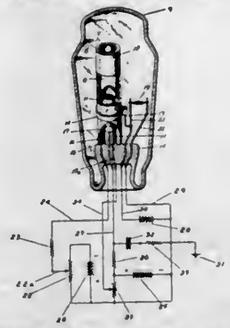
1. In an electric rectifying system, in combination, a rectifier glow discharge tube including an envelope containing an ionizable gaseous medium, a main cathode, a main anode and an auxiliary electrode, means for initiating a discharge between said main cathode and said main anode, and a condenser connected to be charged by said discharge between said main cathode and said main anode, and to deliver voltage for maintaining a continuous discharge between said auxiliary electrode and said main cathode.

2,473,832
ELECTRICAL SYSTEM
Paul W. Stutsman, Needham, Mass., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 14, 1944, Serial No. 531,067
7 Claims. (Cl. 315—275)



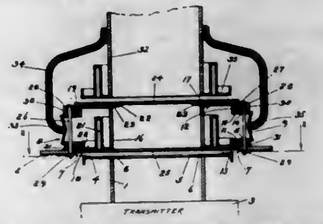
1. In an electrical system, a gaseous conduction tube comprising an hermetically sealed envelope containing an electrode assembly comprising an electron-emissive cathode, an anode and two auxiliary electrodes; an anode-cathode circuit comprising said anode and said cathode; a signal input circuit comprising said two auxiliary electrodes; and means comprising a by-pass condenser, connected between said two circuits, for by-passing transient voltage differences that might occur between said two circuits thereby preventing said transient voltage differences from firing the tube.

2,473,833
GASEOUS DISCHARGE DEVICE
Paul W. Stutsman, Needham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 9, 1946, Serial No. 639,974
3 Claims. (Cl. 176—122)



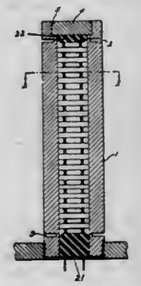
1. A gaseous discharge device comprising: an envelope containing an ionizable atmosphere; a cathode, an anode, and a starting electrode disposed in said envelope; a dielectric sleeve surrounding said anode and starting electrode; said starting electrode and said anode being disposed adjacent each other; and a second dielectric sleeve surrounding said anode and disposed intermediate said starting electrode and said anode.

2,473,834
COUPLING BETWEEN TRANSMITTER AND WAVE GUIDE SYSTEM
William G. Tuller, Watertown, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application January 25, 1944, Serial No. 519,682
8 Claims. (Cl. 178—44)



1. A guided wave transmission system including in combination a transmitter, a housing enclosing said transmitter, a wave guide section connected to said transmitter and terminating adjacent an opening in said housing, a second wave guide section in registry with said first-mentioned section, a sheet of insulating material extending across said second wave guide section, said second section being spaced from said first-mentioned section and supported by said housing, a third wave guide section on the exterior of said housing spaced from and adapted to register with said second wave guide section, said third wave guide section being supported independently of said housing, and a flexible flange enclosing the gap between said second wave guide section and said third wave guide section.

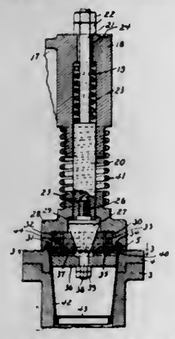
2,473,835
MEANS FOR THE INTERCHANGE OF ELECTRICAL AND ACOUSTICAL ENERGY
Edwin E. Turner, Jr., West Roxbury, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Original application August 6, 1942, Serial No. 453,909. Divided and this application March 17, 1948, Serial No. 15,391
5 Claims. (Cl. 177—386)



1. Means for the interchange of electrical and acoustical energy comprising a hollow cylindrical element the outer surface of which serves to radiate and receive compressional wave energy, a plurality of crystals arranged alternately crosswise to each other forming crosses with the ends

of the crystals bearing against the walls of the cylinder in positions substantially 90 degrees from each other, said crystals being piezoelectric elements with electrodes positioned on the surfaces of the crystals in planes normal to the axis of the cylinder.

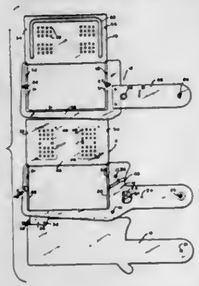
2,473,836
PAPER CUP BEADER
Paul E. Wixon and Clarence E. Chapman, Baltimore, Md., assignors to Joseph Shapiro
Original application January 6, 1948, Serial No. 748. Divided and this application January 29, 1948, Serial No. 5,094
5 Claims. (Cl. 93—36.5)



1. In a cup making machine wherein a paper cup is held in a conical holder having a conical anvil insert having an upstanding annular top end: a vertically movable bracket having a head with a spindle bearing; a spindle longitudinally movable in said head; a cover for the top end of the cup and fitting over the top edge of the anvil insert and having a stepped recess of two diameters, said head being mounted on said spindle; a segmental beader having an annular flange and being located in part in the recess of the larger diameter in said cover and having an annular groove; a spring in said groove for holding the segments of the beader together; a nose on said spindle and projecting through the center of said segmental beader and having a wedging engagement with the segments; a beader cup clamp on the projecting end of said nose and supporting said segments, said clamp having radial grooves and said segments having pins guided in said grooves; a spring continuously urging said spindle in one direction; and means to limit the spindle movement in said direction, said anvil having a bead-forming groove into which the flange on the segmental beader presses the cup material.

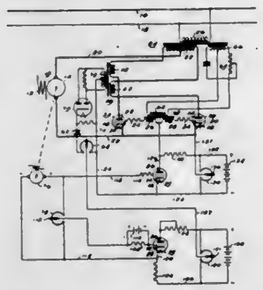
2,473,837
DIE AND DIE SET FOR SHOE PARTS AND THE LIKE
Franz Wunder, St. Louis County, Mo., assignor to All-Die, Inc., St. Louis, Mo., a corporation of Missouri
Application December 2, 1946, Serial No. 713,599
5 Claims. (Cl. 164—93)

4. In a die assembly of the type described, a tube plate mount pivotably movable about a fixed member, a tube plate detachably supported in said tube plate mount, a stripper plate mount pivotable with said tube plate mount about said fixed member, a stripper plate detachably supported on said stripper plate mount, means for supporting said stripper plate mount above said tube plate mount for vertical movement with respect thereto comprising a plurality of sleeve



tubes connected to said stripper plate mount, at least one of which receives a sleeve fixed to said tube plate mount and another of which receives said fixed member, and means acting on said stripper plate mount and said tube plate mount for applying a separating force as between these members.

2,473,838
REGULATING SYSTEM
Donald F. Aldrich, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 24, 1948, Serial No. 16,799
10 Claims. (Cl. 318—307)



1. In a regulating system, the combination comprising, a dynamoelectric machine disposed for operation to maintain a given characteristic substantially constant, control means disposed for operation to control the operation of the machine, means responsive to said given characteristic for providing a source of voltage dependent thereon, a vacuum valve disposed to be rendered conducting over the range of zero plate current to maximum steady state plate current in accordance with a measure of said source of voltage over a predetermined range thereof, a resistor in the output circuit of the vacuum valve, another vacuum valve having an anode and cathode connected to impress a voltage on the control means to control the operation of the machine, a control grid for

said another valve, and means, including the source of voltage that is dependent upon the given characteristic and the resistor, connected in the grid-cathode circuit of said another valve for controlling the conductivity of said another valve and consequently the voltage impressed on the control means.

2,473,839
CONSTANT-SPEED ELECTRIC MOTOR
Conrad T. Altfather, Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1947, Serial No. 776,543
8 Claims. (Cl. 318—330)



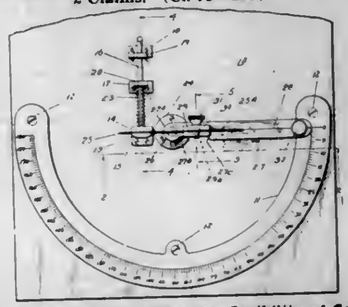
1. An electric motor comprising a rotor member of magnetic material having a plurality of salient pole portions, a pole member of magnetizable material adjacent the rotor member, said pole member being positioned to attract said salient pole portions of the rotor member to effect rotation of the rotor member, a magnetizing coil on the pole member, a vibratory spring member mounted to vibrate axially of the rotor member, a permanent magnet supported on said spring member in position to be attracted by the salient pole portions of the rotor member, contact means actuated by movement of the spring member for controlling the energization of said magnetizing coil, and a fixed resistor connected in series with said coil, the resistance of said resistor being relatively large as compared to that of the magnetizing coil, so that the time constant of the series circuit comprising the resistor and coil is substantially less than that of the coil alone.

2,473,840
CONICAL PAPER CUP WITH ROUNDED BOTTOM
Walter E. Amberg, Beverly Shores, Ind., assignor to Lily-Tulip Cup Corporation, a corporation of Delaware
Application December 4, 1947, Serial No. 789,608
2 Claims. (Cl. 229—1.5)



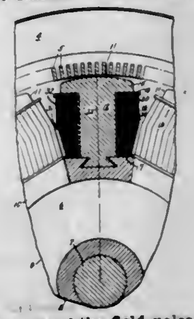
1. A truncated conical single piece paper cup of less than sixty degree angle comprising an acute angled substantially smooth frustro-conical side wall and a substantially inner concave spoon serviceable pleated bottom merging with the side wall, said bottom only having a plurality of circumferentially disposed apexially gathered pleats.

2,473,841
FLEXIBILITY TESTER
Mauritz L. Anderson, Arlington, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 6, 1946, Serial No. 674,745
2 Claims. (Cl. 73—100)



1. Apparatus for testing the flexibility of flexible linear members, comprising supporting means having attached thereto an arcuate scale, a pivot pin mounted on said supporting means at the center of the arc of said scale, a pointer mounted for rotation on said pin and radially positioned with respect to said scale, means supported on said pointer for clamping the member to be tested, and a second clamping means relatively fixed with respect to said first clamping means and spaced therefrom, said pointer having a zero reference position in which the clamping surfaces of said clamping means are disposed linearly with respect to each other, said clamping surfaces being located on opposite sides of said pin when said pointer is in said reference position, whereby the member to be tested may be clamped between said two clamping means and whereby when said pointer is rotated from said zero position a loop is formed in the tested member between said two clamping means.

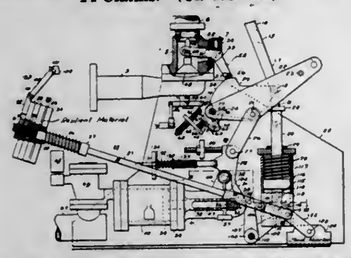
2,473,842
DYNAMOELECTRIC MACHINE FIELD COIL
John S. Askey, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 25, 1947, Serial No. 724,343
20 Claims. (Cl. 171—252)



1. A coil for one of the field-poles of a salient-pole, rotating-field, synchronous dynamo-electric

machine, said coil comprising a plurality of layers of turns of a rectangular-sectioned, glass-insulated wire, with insulating bonding-material for holding together all of the turns in a single solid mass, and with a plurality of the outer layers of turns stepped back, with fewer turns, so as to be successively shorter, as measured parallel to the centerline of the coil, as the outermost winding-layer is approached during the winding-process, so as to provide a tapered outer configuration having discrete steps at the stepped-back places, a filling of an inorganic insulating cement completely filling said discrete steps of the tapered portion, said cement having a substantially uniformly-tapered outer surface, said cement comprising a particulate filler of reasonably good heat-conducting qualities, and a binder, and an encapsulating casing of wrapped tape and a binder, with a hard outside-finish, surrounding the entire coil.

2,473,843
CIRCUIT INTERRUPTER
Benjamin P. Baker, Turtle Creek, and Donald C. Harker, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1945, Serial No. 580,136
14 Claims. (Cl. 200—53)



1. In a circuit interrupter, a movable contact, means for moving the movable contact to open and closed positions at high speed, a rod, an inertia masa having one portion secured to the rod and having another portion loosely mounted on the rod so as to be movable relative thereto, a compression spring mounted on the rod and having one end seated rigidly with respect to the rod and having the other end biasing the loosely mounted portion against the first-mentioned portion, and a lost-motion mechanical connection between the movable contact and the rod arranged to impart movement to said rod and inertia mass following a predetermined contact movement in the opening direction, said spring enabling movement of said loosely mounted portion with respect to said secured portion to reduce the inertia effect of said mass during the initial closing movement of said contact.

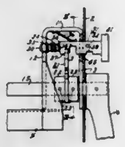
2,473,844
CIRCUIT INTERRUPTER
Benjamin P. Baker, Turtle Creek, Roswell C. Van Sickle, Wilkinsburg, and James M. Cumming, Turtle Creek, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 30, 1945, Serial No. 591,046
4 Claims. (Cl. 200—150)

2. A circuit interrupter of the liquid break type including means defining a piston chamber, means venting the piston chamber at one end thereof, a stationary contact disposed adjacent the vented end of the piston chamber adjacent one side wall thereof, a movable piston member movable within the piston chamber and carrying a movable contact along one side wall thereof, a follower member carried by the piston member to restrict the arc established between the two



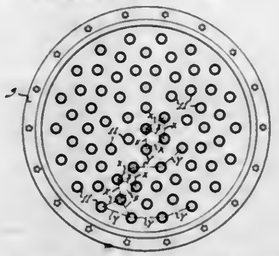
contacts and drawn into the piston chamber along the inner wall thereof, means initially movable with the piston member into the piston chamber to delay the flow of liquid longitudinally of the established arc, stopping means for the last-mentioned means to stop the opening motion thereof to only at this time permit forcing of liquid out of the piston chamber by the pumping action of the piston member.

2,473,845
CONTROL APPARATUS
Herman F. Barsun, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1945, Serial No. 606,205
6 Claims. (Cl. 74—540)



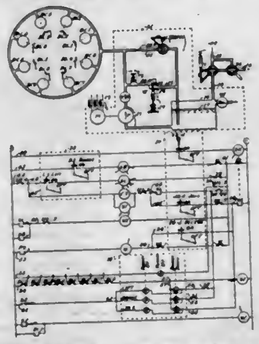
1. In a circuit controlling device, a manually operable switch actuating member having a plurality of switch operative positions, a locking member operative upon movement of the switch actuating member to any one of said plurality of positions for locking said switch actuating member in said switch operative position, said locking member being manually operable to a switch operating position to permit operation of the switch member, means automatically operable for latching said locking member in its switch operating position, and cam means actuated upon movement of said switch actuating member from one switch operative position to another and operative to release said locking member from its switch operating position to a released position to adapt it to lock the switch actuating member upon movement thereof to one of said switch operative positions.

2,473,846
ELECTROACOUSTIC TRANSDUCER
Loy E. Barton, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application November 30, 1942, Serial No. 467,458, now Patent No. 2,450,104, dated September 28, 1948. Divided and this application June 2, 1947, Serial No. 751,745
7 Claims. (Cl. 177—386)



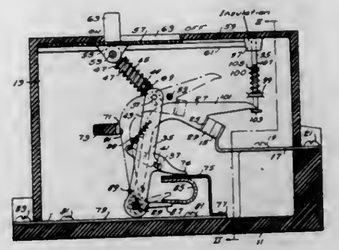
1. An electro-acoustical transducer comprising an acoustic diaphragm, and a plurality of magnetostrictive elements secured thereto at predetermined spaced points thereon, said elements being so related to said diaphragm that each of said elements cooperates with a predetermined closely adjacent mass of said diaphragm such that each of said diaphragm masses is from approximately four to seven times the mass of the element which effectively may cooperate therewith, and said elements being so arranged on said diaphragm that the active spheres of influence of adjacent ones of said elements may effectively be tangent to each other.

2,473,847
LIFTING, BRAKING, AND JACKING SYSTEM FOR VERTICAL-SHAFT ROTATING MACHINES
René A. Baudry, Pittsburgh, and Paul R. Heller, Irwin, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 2, 1947, Serial No. 751,926
18 Claims. (Cl. 171—252)



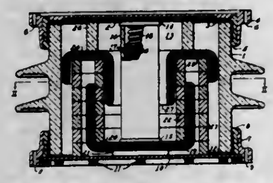
1. A vertical-shaft rotating machine having a stator-member and a rotor-member; a thrust-bearing, comprising a runner carried by the rotor-member, a plurality of thrust-bearing shoes carried by the stator-member and engaging the runner for supporting the weight of the rotor-member, and an oil-chamber for oil in which said thrust-bearing shoes and at least the lower surface of said runner are immersed; guide-bearing-means for positioning the rotor-member; a braking and jacking means, comprising a brake-ring carried by the rotor-member, and a plurality of hydraulic jacks carried by the stator-member and having brake-shoes, on their tops, in a position to engage said brake-ring in an elevated position of said jacks; an air-tight liquid-reservoir for a liquid for operating said hydraulic jacks; an air-supply means, and associated air-piping, for supplying air to said reservoir at a relatively low pressure suitable for braking said rotor-member but not sufficient to lift said rotor-member, said air-piping including an air-valve which may be set to either supply air to said reservoir or to exhaust air from said reservoir to the atmosphere; and at least three different liquid-conducting piping-connections between said reservoir and said hydraulic jacks, said connections including: a pump-connection including a high-pressure liquid-pump, and motive-means for said pump, operable, at times, to supply liquid from said reservoir to said hydraulic jacks at a pressure sufficient to lift said rotor-member so that said runner is raised off of said thrust-bearing shoes; a slow-flow connection providing for only a slow liquid-flow suitable for gently lowering said runner onto said thrust-bearing shoes after a lifting-operation, said slow-flow connection including a valve; and a fast-flow connection providing for a relatively fast liquid-flow and including valve-means.

2,473,848
CIRCUIT BREAKER
Harold G. Baxter, Baldwin, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 21, 1947, Serial No. 769,915
11 Claims. (Cl. 200—116)



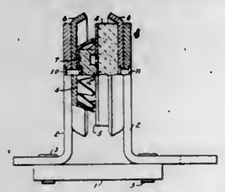
1. A circuit breaker comprising a housing having an opening therein for receiving a handle, an operating handle disposed in said opening, a switch member movable to open and close said circuit, an operating lever for moving said switch member, a slidable member movable by said handle and closing said opening, and an overcenter compression spring operable upon movement of the handle to actuate said operating lever, said overcenter compression spring applying pressure to said slide to seal said handle opening.

2,473,849
LIGHTNING ARRESTER
Edward F. W. Beck, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1948, Serial No. 20,680
6 Claims. (Cl. 175—30)



1. A lightning arrester comprising a generally cylindrical housing, a spark gap assembly centrally disposed in said housing, a plurality of annular valve elements in the housing disposed in a stack surrounding the spark gap assembly, a plurality of annular valve elements of larger diameter than the first-mentioned valve elements disposed in a stack in the housing surrounding the first stack, and means for electrically connecting said spark gap assembly and said two stacks of valve elements in series.

2,473,850
LIGHTNING ARRESTER
Edward F. W. Beck, Pittsburgh, and John S. Ferguson, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 27, 1945, Serial No. 607,430
7 Claims. (Cl. 175—30)



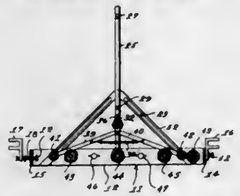
6. A lightning arrester for the protection of low-voltage signal or control circuits, said lightning arrester comprising first and second electrode means spaced apart to form a short spark gap between them, said spark gap having a breakdown voltage less than 3,000 volts and being so short that it is incapable, by itself, in its normal condition, of interrupting a discharge after an excess voltage has passed, a valve-type resistor disposed adjacent said second electrode means and having one side in electrical contact with the second electrode means so as to be in series relation with the spark gap, and a third electrode member disposed in electrical contact with the opposite side of said resistor and extending past the resistor to form a second spark gap with the first electrode means, said second spark gap being relatively long, as compared to the first-mentioned spark gap, and being long enough to be capable, by itself, of interrupting a discharge after an excess voltage has passed, both of said spark gaps having open, unrestricted arc paths, and the second gap being disposed adjacent the first gap so as to be rapidly ionized by a discharge in the first gap.

2,473,851
BACKSTOP FOR ELECTROMAGNETIC DEVICES
Maximilian C. Becker, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 6, 1943, Serial No. 497,579
7 Claims. (Cl. 74—526)



1. A device having a movable member and a backstop for said movable member, the movable member being sensitively responsive to small forces causing it to move away from said backstop so that there will be an air-space therebetween, characterized by said backstop comprising a hard non-metallic member having a rounded contact-surface, and a cooperating hard polished member having a relatively flat contact-surface, one of said backstop-members being carried by said movable member.

2,473,852
DIAPER CLEANING DEVICE
Gene L. Berry, Hailey, Idaho, assignor of one-fourth to Victor Anderson, Hailey, Idaho
Application June 11, 1948, Serial No. 32,376
3 Claims. (Cl. 68—22)

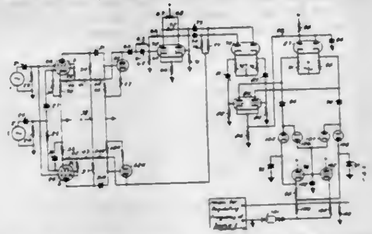


1. A diaper cleaning device comprising a frame, a plurality of spaced brush members mounted transversely in said frame, a plurality of sprinklers transversely mounted in said frame, a pair of vertical post members secured to said frame in transversely opposing relation, a transverse bar member slidably engaged at its ends with said post members, a pair of arms pivoted to each end portion of said bar member, transverse rollers journalled in respective transversely opposed arms, and downwardly diverging track means secured to the sides of said frame, said rollers being slidably engaged with said track means for downward divergent movement responsive to downward movement of said bar member.

2,473,853
FREQUENCY CONTROL SYSTEM
John R. Boykin, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 22, 1946, Serial No. 643,006
8 Claims. (Cl. 250—36)

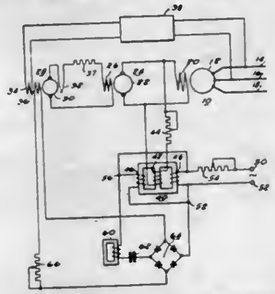
8. The method of maintaining frequency equality between two alternating voltage sources which comprises deriving from said voltage sources a first beat frequency voltage and a second beat frequency voltage having a phase difference from said first beat frequency voltage which changes

sign when the difference frequency of said sources passes through zero, squaring and differentiating said first beat frequency voltage, superimposing the result of said differentiation on said second beat frequency voltage positively in one current channel and negatively in the second current



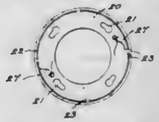
channel, causing current pulses in said first current channel to increase a control voltage by constant positive amounts for each cycle of beat frequency, and causing current pulses in said second channel to decrease said control voltage by equal amounts for each cycle of said beat frequency.

2,473,854
REGULATING SYSTEM
Schuyler Le Roy Bradley, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 20, 1947, Serial No. 787,123
2 Claims. (Cl. 322—24)



1. In a regulating system for a dynamo-electric machine disposed to supply a load circuit, in combination, an exciter for controlling the field excitation of the dynamo-electric machine, a main control field winding for the exciter disposed to be directionally energized to control the excitation of the exciter, means responsive to a change in condition of the load circuit supplied by the dynamo-electric machine disposed for operation to control the directional energization of the main control field winding, an auxiliary control field winding disposed to be energized in one direction only in opposition to a predetermined directional energization of the main control field winding, and means for controlling the energization of the auxiliary control field winding, said means including a saturable core reactor having a direct-current control winding disposed to be energized in accordance with the excitation of the dynamo-electric machine, alternating current windings for the reactor connected to be supplied from a source of alternating current, a circuit including a saturating reactor and a dry-type rectifier connected to be supplied from the saturable reactor, and means connected in the supply circuit for the alternating-current windings of the saturable reactor disposed to provide a potential drop proportional to the current flowing in the alternating-current windings to control the voltage across and the current flow in the circuit including the saturating reactor, the auxiliary control field winding being connected to be supplied by the rectifier.

2,473,855
FLORAL SUPPORT
Frank C. Braun, New York, N. Y.
Application January 17, 1944, Serial No. 518,657
4 Claims. (Cl. 41—12)

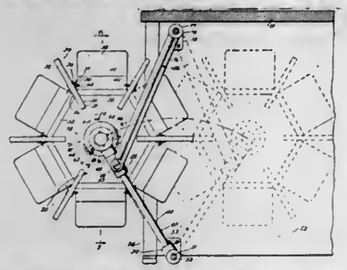


1. A floral support for inserted stemmed flowers, comprising a flat cardboard base member having an outline shape of predetermined decorative configuration, a reinforcing wire secured upon one surface of said base member in substantially parallel relation to said outline shape, a flower-stem-penetrable moss pad substantially corresponding in outline shape to said base member having a flat rearward surface engaged with the forward surface of said base member and a convex forward surface, and a flower-stem-penetrable flexible covering extending around said base member and said pad to bind them together.

2,473,856
CARD FILING EQUIPMENT
George C. Bruen, deceased, late of Chicago, Ill., by Sophie E. Bruen, executrix, Chicago, Ill., assignor, by mesne assignments, of seventy and five-tenths per cent to said Sophie E. Bruen, five per cent to Edna V. Dickinson, Highland Park, Ill., nine per cent to Sarah M. Bullock, Wilmette, Ill., ten and five-tenths per cent to G. A. Stuart, Denver, Colo., two per cent to Jay Fisher, Chicago, Ill., one per cent to Marie Thoenen, Elmwood Park, Ill., one per cent to George H. Fredericksen, Chicago, Ill., and one per cent to E. M. Thorsen, St. Joseph, Mo.
Original application November 8, 1943, Serial No. 509,389. Divided and this application April 25, 1946, Serial No. 664,941
3 Claims. (Cl. 45—3)

1. A mechanism adapted to support a rotary file for swinging movement between a storage position inside a housing and an operative position outside the housing, said housing having opposed and substantially parallel side panels, and said mechanism comprising a pair of links connected to each of said side panels for swinging movement in planes parallel to the panels between said positions on opposite sides of a center line passing through the axes of said swinging movement, one of the links of each of said pairs being swingably supported at the tops of said panels, and the others being supported for swinging movement adjacent the bottom of each panel, one of the links of each pair comprising an arm with a slider mounted thereon for longitudinal movement therealong, and the other being an arm connected for swinging movement to

the panel side of said slider, the former of each of said arms carrying a bearing on the swingable



portion thereof, and a shaft rotatably supported by said bearings for carrying said rotary file.

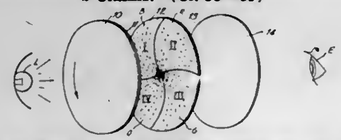
2,473,857

APPARATUS FOR INSERTION IN COLOR DISPLAY DEVICES UTILIZING POLARIZED LIGHT FOR SECURING CHANGING SATURATION OF SPECIFIC HUES IN FIXED ZONES AS VIEWED BY OBSERVERS

Fford Burchell, New York, N. Y., assignor to Burchell-Holloway Corporation, New York, N. Y., a corporation of New York

Application December 5, 1946, Serial No. 714,330

2 Claims. (Cl. 88—65)



1. A device of the character described for producing the optical effect of changing color saturation in a zone of specific color as viewed by an observer upon its interposition between a light polarizer and a light analyzer one of which is rotatable in its plane comprising an isotropic sheet, a color filter of a chosen specific color applied directly to a zone of said sheet, and a plurality of strips of birefringent material applied side by side to said isotropic sheet in said zone and substantially coextensively with the color filter, said birefringent strips having uniform progressively different angles of orientation of their significant axes, whereby light transmitted through the sheet, color filter and strips from a light source behind the polarizer to the observer in front of the analyzer always has a specific hue in the zone of the chosen specific color of the filter, the saturation of said hue, however, varying progressively in said zone as either the polarizer or analyzer is rotated in its plane.

2,473,858

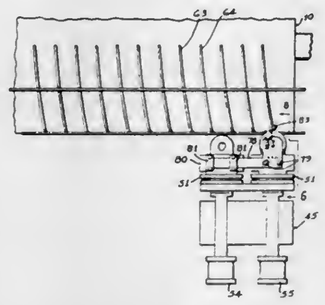
METHOD AND APPARATUS FOR WELDING STRUCTURAL CAGES

Adolf G. Butler, Hawthorne, Calif., assignor to American Pipe & Construction Company, Los Angeles, Calif., a corporation of Delaware

Original application January 2, 1946, Serial No. 638,700. Divided and this application November 22, 1948, Serial No. 61,381

5 Claims. (Cl. 219—4)

1. In a device for making a wire cage, the combination of a rotatable mandrel; means for winding a continuous wire around the mandrel in the form of a helix; means for securing a longitudinal rod to the loops of the helix exteriorly thereof, said means including a resistance welding unit adapted for axial movement along said mandrel, said welding unit including a contact roller adapted to roll along the longitudinal rod and a circular contact element adapted to sequentially engage loops of the helix; and means for passing



a welding current between the contact roller and the contact element for resistance welding the rod to the loops of the wire helix; and drive means for traversing the welding unit relative to said mandrel with non-uniform motion having alternating acceleration and deceleration periods, occasioned by variable resistance to translation imposed by the contact roller as it approaches and departs from the helix loops.

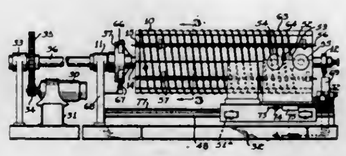
2,473,859

METHOD AND APPARATUS FOR WELDING STRUCTURAL CAGES

Adolf G. Butler, Hawthorne, Calif., assignor to American Pipe and Construction Co., Los Angeles, Calif., a corporation of Delaware

Application January 2, 1946, Serial No. 638,700

7 Claims. (Cl. 219—4)



1. The method of resistance welding a cross joint betwen two wires comprising the steps of effecting relative motion between a wire-contacting element and the first of said wires while simultaneously maintaining the wires in contact under pressure, causing a welding current to flow through said wires and cross joint, the current being initiated before the contact element reaches the said joint, continuing the welding current while the contact element approaches the cross joint, and discontinuing the welding current when the contact element reaches the cross joint.

2,473,860

INTERNAL EXHAUST SEAL FOR ELECTRIC LAMPS AND SIMILAR DEVICES

Paul O. Cartun, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application November 9, 1946, Serial No. 708,919

2 Claims. (Cl. 250—27.5)



1. In an envelope having a reentrant glass exhaust tube extending thereinto, a sealing structure in said envelope comprising a closure disc of metal adapted to fuse hermetically tight to glass, and a bimetallic support member carrying said disc and holding it adjacent the mouth of said tube in a position to leave the mouth open to the interior of the envelope and constructed and arranged to press the said disc against the said mouth of the tube to seal it thereto when the parts are heated.

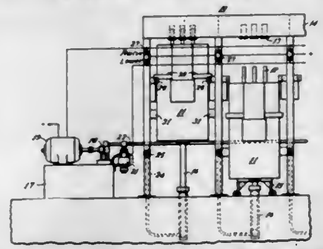
2,473,861

METAL-CLAD SWITCHGEAR

Leonard B. Chubbuck, Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 15, 1946, Serial No. 676,895

3 Claims. (Cl. 175—298)



1. In a metal-clad switchgear, in combination, a plurality of cell structures, a circuit breaker for each cell, a fluid-pressure device in each cell for raising the circuit breaker in that cell, a single header pipe for supplying pressure fluid to all of the devices, an individually operable valve for connecting each device to the header pipe, a single discharge valve for releasing the pressure fluid from the header pipe, and individually operable electrical control means associated with each cell for controlling the operation of the discharge valve.

2,473,862

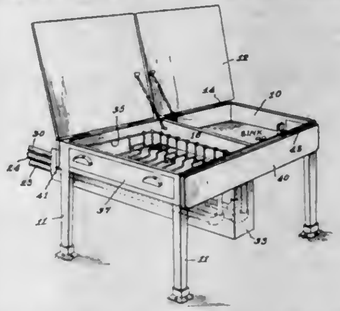
COMBINATION SINK AND DINING TABLE

John D. Clawsey, New York, N. Y.

Application March 27, 1946, Serial No. 657,571

2 Claims. (Cl. 312—169)

1. A combination sink and dining table comprising a box, legs supporting the box, a lid for covering the box, said legs being sufficiently long to provide adequate leg room for persons seated around the box when the lid covers the box and serves as a dining table top, said box having a water-tight open sink-compartment below said lid, said box also being provided with a bay therein beneath said lid, a wall within the box, separating the bay-space from the sink-compart-



ment, a door at a vertical side of the box providing access at said vertical side to said bay, and a spigot within said bay beneath said lid from which water may be run into a drinking glass placed through said opened door within said bay with the lid in closed position, said lid, when open, also providing access to said bay and to the spigot located therein.

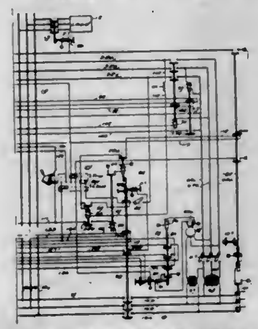
2,473,863

TRANSFER SYSTEM

Glen L. Claybourn, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 17, 1947, Serial No. 761,567

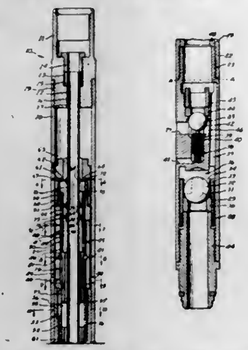
9 Claims. (Cl. 171—97)



7. A transfer system for selectively controlling the connection of a feeder bus to a pair of power sources comprising, a circuit breaker disposed to connect the bus to each source, manual control means actuable to effect operation of each of the circuit breakers, transfer means disposed to operate each of the circuit breakers, relay means responsive to voltage conditions at the sources connected to effect predetermined operation of the transfer means in accordance with the voltages of the sources, and a manual control switch operable to different positions to connect the cir-

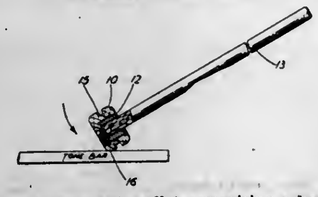
cuit breakers for effecting preferential connection of the bus to one power source or the other under control of the transfer means, or to connect them for operation under control of the manual control means.

2,473,864
HEAVY OIL AND SAND PUMP
Clarence J. Coberly, Los Angeles, Calif., assignor to Kobe, Inc., Huntington Park, Calif., a corporation of California
Application May 13, 1946, Serial No. 669,410
26 Claims. (Cl. 103—46)



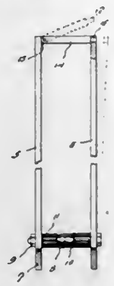
1. In a fluid-operated deep well pump, the combination of: a pump cylinder; a pump piston in said cylinder; inlet and discharge valve means connected to one end of said cylinder; a source of high-pressure operating fluid; means for utilizing said operating fluid to move said piston axially in said cylinder so as to pump well fluid from said one end of said cylinder through said valve means; auxiliary valve means carried by said piston; and passage means communicating between said pressure source and said auxiliary valve means, said auxiliary valve means being adapted to provide fluid communication between said passage means and said one end of said cylinder, said auxiliary valve means being normally maintained in closed position but adapted to be opened in response to said piston striking solid foreign matter in said end of said cylinder to admit operating fluid thereto from said passage means.

2,473,865
INSTRUMENT MALLET
Bruce W. Dane, Newark, N. J.
Application November 15, 1946, Serial No. 710,135
2 Claims. (Cl. 84—404)



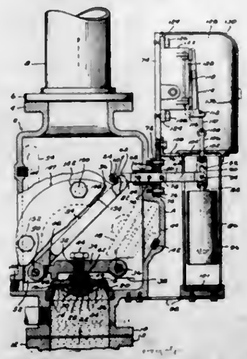
1. An instrument mallet comprising a head of rigid material said head having substantially parallel opposed surfaces, a metal bushing centrally disposed in said head, a resilient handle having one end inserted into said metal bushing, a circumferential groove in the edge of said head, and a covering of yarn encasing the said head.

2,473,866
WRECKING TOOL
Weyburn J. Davies, Pond Creek, Okla.
Application January 10, 1945, Serial No. 572,180
1 Claim. (Cl. 254—131)



A wrecking tool comprising a pair of handles, straight prying arms extending in an inclined position from the lower ends of the handles, a rod connecting the handles at the junction of the arms therewith, a spacing member on said rod for maintaining the handles and arms in spaced parallel relation with respect to each other, and a cross handle pivotally connected to the outer end of one handle and detachably connected to the outer end of the other handle.

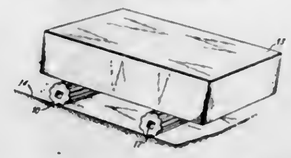
2,473,867
REMOTE CONTROL VALVE
John H. Derby, Scarsdale, N. Y.
Application February 28, 1946, Serial No. 650,803
5 Claims. (Cl. 169—19)



1. A remote control valve of the type in which a valve housing, adapted to be interposed between the water main and a normally dry pipe, has

therein a valve seat on the inlet from the main, a cooperating valve, a locking lever located entirely within said housing and fulcrumed therein to swing between valve locking and valve releasing positions, a latch for positively engaging and holding said locking lever in valve locking position, and means for tripping said latch including a weight and release mechanism trippable by remote control for holding said weight in its potential trip relation to the latch, characterized by the fact that the latch comprises a single lever extending through, fulcrumed upon the outside of and directly trippable from outside said valve housing, that said latch carries a roller at its inner end and that the locking lever has a notch in is latch-engaging end cooperating with said roller to latch the lever in valve locking position.

2,473,868
LOAD SUPPORTING ROLLER
Edward A. Domke, Ann Arbor, Mich., assignor of twenty-four per cent to Leonard E. Riemer and twenty-four per cent to Stephen L. Piatkowski, both of Ann Arbor, and twenty-four per cent to Howard E. Logan, East Ann Arbor, Mich.
Application June 12, 1947, Serial No. 754,310
2 Claims. (Cl. 280—3)



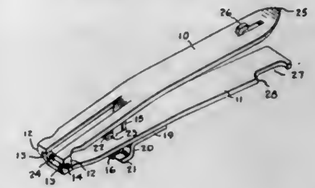
1. A roller of the kind described and having the form substantially that of a polygonal prism including flat faces extending in the direction of the axis thereof but having between each two faces a fluting extending in the same direction, said roller having at each end an aperture for application of means for rotation of the roller around its axis.

2,473,869
GOBLET BUFF
Edwin F. Doyle, Amityville, N. Y., assignor to Barker Brothers, Inc., Brooklyn, N. Y., a corporation of New York
Application June 22, 1948, Serial No. 34,487
18 Claims. (Cl. 51—193)



1. The method of constructing a goblet buff having an oval-shaped end, comprising assembling a stack of similar fabric discs, providing an axial hole through the stack of discs, firmly securing the stack of discs together by means of a circular series of securing means extending through all of the discs about mid-way between the axial hole and the periphery of the stack, cutting a cylindrical cavity in the assembled stack axially of the hole and inside the securing means to a depth approximating one-half the depth of the stack, forming a circular series of holes within the confines of the cylindrical cavity extending parallel to said axial hole and opening through the bottom of said cavity, assembling a second stack of fabric discs having a diameter approximately the same as the discs of the first stack and providing therethrough a circular series of holes matching the holes in the first stack, positioning the second stack over the cavity of the first stack lacing a cord through the series of holes of the two stacks of discs so that each section of the cord extends through both stacks, and thereafter tightening the laced cord and pulling the central portion of the second stack of discs into the cavity in the first stack of discs, thereby causing the second stack of discs to ruffle and fold into a structure providing an oval exterior surface forming the end of the buff.

2,473,870
PRY OFF TYPE JAR CAP REMOVER
Nathaniel Eastman, New York, N. Y., assignor to New England Plastic Co. Inc., Leominster, Mass., a corporation of Massachusetts
Application February 8, 1945, Serial No. 576,807
2 Claims. (Cl. 81—3.36)

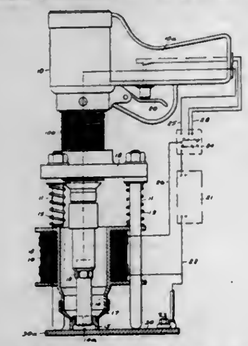


1. An opener for jars of the type having a shoulder spaced from the edge of the cover skirt comprising a pair of spaced pivoted members, parts of which are formed to serve as handles, means for normally holding said members spaced apart, a foot depending from an intermediate portion of one of said members, the other of said members having an opening in line therewith, said foot projecting through said opening and terminating in a toe which is bent towards the pivotal connection of said members and a projection on the other member beside the part of said foot which projects beyond said opening, said projection terminating in a finger which also extends towards the pivotal connection of said members, said toe and finger being of a thickness to be inserted between said jar shoulder and the edge of the cover skirt, whereby movement of the handles toward each other will cause the toe and finger to move away from each other and lift the caps from the jar.

2,473,871
ELECTRIC ARC WELDING
Harry Edels, Stafford, England, assignor to The English Electric Company Limited, London, England, a British company
Application June 18, 1946, Serial No. 677,483
In Great Britain June 18, 1945
6 Claims. (Cl. 219—4)

1. Welding apparatus for arc welding a pillar to a ferro-magnetic surface, in a position near to the edge of the surface, comprising support means disposed to engage said surface, holding means for the pillar movable on the support means, and means to render substantially sym-

metrical the magnetic field in the surface material in immediate proximity to the arc, including an

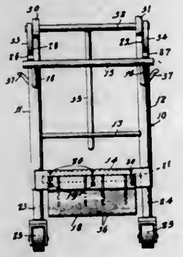


electromagnet slidably mounted on the support means.

2,473,872
PROCESS OF MANUFACTURING ANTHRAQUINONE-C-ARYLTHIAZOLES
Maurice H. Fleysher, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application filed December 7, 1946, Serial No. 714,895
15 Claims. (Cl. 260—303)

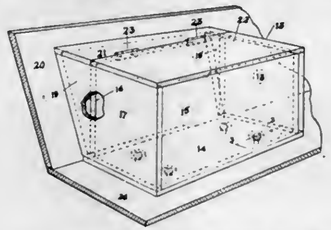
1. In the process of producing an anthraquinone C-arylthiazole which comprises heating a reaction mixture containing an aminoanthraquinone, sulfur, an omega-polyhalogenated arylmethane and an inert organic solvent as the reaction medium, the improvement which comprises including in the reaction mixture a member of the group consisting of carbocyclic hydroxy compounds and omega-halogenated aryl methane condensation products thereof.

2,473,873
WHEELED CARRIER
Elmer K. Fosbender, Los Angeles, Calif., assignor to Boypower, Inc., Los Angeles, Calif., a corporation of California
Application October 14, 1946, Serial No. 703,203
7 Claims. (Cl. 280—44)



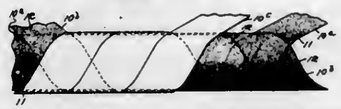
1. In a lifting carrier of the class described, the combination of a frame having spacer parallel side elements, posts slidably mounted on the side elements, a roller carried at the lower end of each post, a lifting foot on the frame, the upper ends of the side elements being longitudinally notched to define side-opening recesses, bearings at the extreme upper ends of said side elements, a shaft rotatably mounted in said bearings, cams fixed on the shaft operable in said recesses, follower elements on the posts adapted to be engaged with the cams, and means to turn the shaft.

2,473,874
BAIT BOX
Jonett C. Ganong, Mahopac Falls, N. Y.
Application March 16, 1948, Serial No. 15,090
6 Claims. (Cl. 9—1)



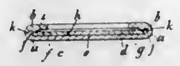
1. In a boat a receptacle adapted to contain bait or the like, a releasable attachment securing said receptacle to the bottom of the boat and permitting ingress of water to the receptacle, said attachment comprising a nipple passing through registering bores in the receptacle bottom and the boat bottom, said nipple being removably secured in the bore of the boat bottom making a watertight connection therewith, said nipple also being releasably secured to the bore of the receptacle bottom and having a seal between said nipple and the receptacle bore.

2,473,875
TUBES, PIPES, AND THE LIKE
Paul R. Goldman, Andover, Mass., assignor to Plymold Corporation, Lawrence, Mass., a corporation
Application June 27, 1942, Serial No. 448,819
2 Claims. (Cl. 138—79)



1. As a new article of manufacture, a tubular curvilinear rigid sleeve fitting comprising a plurality of spirally wound concentrically superposed and interbonded wood veneer strips presenting a hollow and initially longitudinally curvilinear tube, at least one of the strips being spiralled oppositely to the next underlying strip and each strip being laterally overlapped upon itself continuously throughout each turn of each strip to a selected maximum axial extent in each turn proportionate to the longitudinal curvature for the given sleeve fitting as initially wound and to a greater axial extent at its concave than at its laterally opposite convex longitudinal portion by a lap differential also proportionate to the degree of said curvature as initially wound, and polymerized bonding means between adjacent strips and between self-overlapped portions of individual strips.

2,473,876
SLIDE RULE
Heinz Herbert Goldstaub, Snaresbrook, England
Application April 22, 1946, Serial No. 663,866
In Great Britain April 30, 1945
3 Claims. (Cl. 235—70)



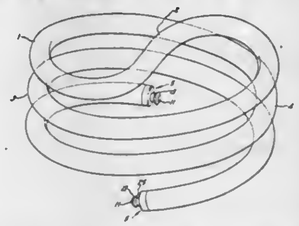
2. In a slide rule an elongated moulded casing section having a window therein, a second elongated moulded casing section, said first casing section having elongated recesses therein with a sidewall of each recess undercut, and ribs projecting from the second casing section extending lengthwise thereof adapted to snap into said recesses and maintain the casing sections in assembled relationship.

2,473,877
LUMINESCENT SHOE
Joseph Goldstein, Brookline, Mass.
Application May 11, 1948, Serial No. 26,359
8 Claims. (Cl. 250—71)



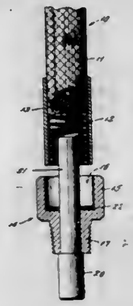
2. A shoe having a phosphorescent material applied as an integral part of the shoe to a visible part thereof providing a left or right indication and indicating in association therewith where the forward part of the foot may be inserted when stepping into the shoe.

2,473,878
ELECTRIC LAMP OF DOUBLE SPIRAL CONVOLUTION
Alfred Greiner, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application November 25, 1947, Serial No. 787,949
3 Claims. (Cl. 240—51.12)



1. An elongated tubular electric lamp of bifilarly coiled configuration, having its ends extending substantially tangentially of the coil and terminating at diametrically opposite sides of the coil substantially in a common plane normal to the longitudinal axis of the coil with said ends facing in opposite directions, and bases on said ends having socket engagement means thereon.

2,473,879
FLEXIBLE METAL HOSE CONNECTION
Stephen Guarnaschelli, Naugatuck, Conn., assignor to The Brockway Company, Naugatuck, Conn., a corporation of Connecticut
Application March 11, 1947, Serial No. 733,842
2 Claims. (Cl. 285—74)



1. In combination with flexible metal hose having a sheath of wire braid, a fitting having a cylindrical cavity enclosing the end of the hose, a thin cylindrical metal sleeve embracing the hose and its sheath at the end thereof and slidably fitting into said cylindrical cavity, and a mass of solder bonding the tubing of said hose to the base of said cavity, forming a bond between said sleeve and braided sheath as well as between said fitting and said sleeve, and entering the interstices of the braided sheath.

2,473,880
CLEANING METAL CATALYSTS WITH ALCOHOLIC CAUSTIC SOLUTION
Marion H. Gwynn, Mountain Lakes, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application August 11, 1942, Serial No. 454,429
3 Claims. (Cl. 252—414)

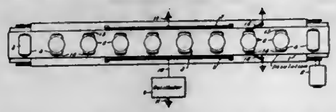
1. The process of removing from cages of spent hydrogenation catalyst of the group consisting of nickel catalyst, copper catalyst and cobalt catalyst, resinous material deposited on the catalyst while catalyzing a reaction of the group consisting of hydrogenation, dehydrogenation, hydrofining, disproportionation and desulfurization of organic compounds containing oxygen in the molecule, which comprises immersing the cages of resin-contaminated catalyst in a solution of caustic soda in ethylene glycol at a temperature within the range of 150° to 300° C., said solution containing from 1 per cent to 20 per cent by weight of caustic soda, and then washing the catalyst with water.

2,473,881
HIGH-FREQUENCY DIELECTRIC HEATING APPARATUS
Richard H. Hagopian, Halethorpe, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 25, 1946, Serial No. 679,078
4 Claims. (Cl. 219—47)

1. A dielectric heating system comprising means for establishing a dielectric field, said

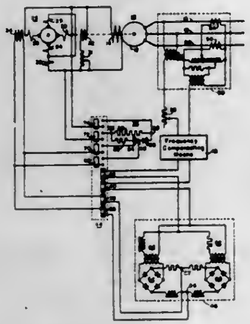
side elements, a roller carried at the lower end of each post, a lifting foot on the frame, the upual strips.

means comprising a pair of spaced primary electrodes, a conveyor means having a plurality of spaced heating stations, said conveyor means successively progressing said stations between



said primary electrodes, each of said stations comprising work-receiving means and auxiliary field-affecting electrode-means secured to said conveyor means.

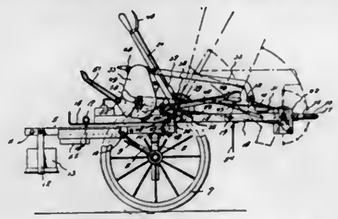
2,473,882
REGULATING SYSTEM
Edwin L. Harder and Carroll E. Valentine, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1945, Serial No. 631,726
7 Claims. (Cl. 322—77)



1. In a regulating system for a dynamo-electric machine, in combination, an exciter for supplying the field excitation of the dynamo-electric machine, a pair of circuits disposed to be connected in parallel circuit relation across the exciter, one of the parallel circuits consisting of a resistor having an adjustable tap, the other of the parallel circuits consisting of a resistor and a non-linear impedance connected in series circuit relation through a fixed tap therebetween, and a control field winding for the exciter disposed to be connected to the adjustable tap and the fixed tap to be directionally energized in accordance with the potential at the adjustable and fixed taps.

2,473,883
POWER-OPERATED PORTABLE GENERAL UTILITY MACHINE
Henry S. Harvey, West Branch, Iowa
Application February 13, 1945, Serial No. 577,701
7 Claims. (Cl. 74—16)

1. An apparatus of the class described comprising a frame, a tool mounting including a shaft journaled therein and adapted for attaching a tool to the shaft, a support pivotally attached at one end of the frame, means pivotally mounting the tool mounting on the support, said support and tool mounting being adapted for independent vertical swinging movement, a power plant mounted on the frame, means operatively connecting the power plant with the tool shaft, means for raising and lowering the sup-



port and the tool mounting, said raising movement of the support operating to interrupt the drive connection for the shaft, and means independent of said first means for raising and lowering the tool mounting.

2,473,884
CONTACT MEANS
Carl C. Hein, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1946, Serial No. 667,988
3 Claims. (Cl. 175—366)



1. In combination with a dry-contact rectifier for a counter-electrode which is relatively fragile, a contact washer separated from said counter-electrode by an intervening layer of silver-base lacquer.

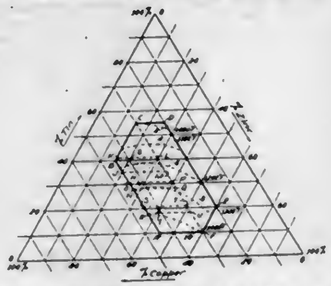
2,473,885
MONOAZO DYESTUFFS
Basil Jason Heywood, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 3, 1945, Serial No. 608,843. In Great Britain August 28, 1944
6 Claims. (Cl. 260—205)

1. A monazo dyestuff being the diazo of a para nitro aniline which is devoid of sulfonic acid, carboxylic acid and cyano groups coupled with the sulfuric acid ester of an N-hydroxyalkyl-N-aryloxy-alkyl-aniline in which alkyl of both the hydroxyalkyl and the aryloxyalkyl groups has 2 to 5 carbons and aryloxy of the aryloxy-alkyl group is from the group consisting of phenoxy, tolyloxy, chlorophenoxy and naphthoxy, said coupling component being devoid of sulfonic acid and carboxylic acid groups, said coupling being para to the nitrogen atom.

2,473,886
BRAZING ALLOY
Frederick C. Hull, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1947, Serial No. 758,204
5 Claims. (Cl. 75—134)

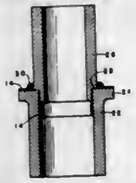
1. A brazing alloy consisting of copper, tin and

zinc in amounts lying within the field defined by



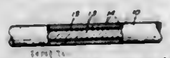
lines drawn between points ABCDEFA in the ternary diagram of the accompanying drawing.

2,473,887
PROTECTING METAL SURFACES DURING SOLDERING AND BRAZING PROCESSES
Charles H. Jennings, Forest Hills, and Edward R. Gamberg, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 29, 1945, Serial No. 638,359
3 Claims. (Cl. 113—112)



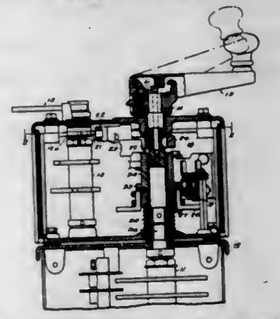
1. In the method of applying molten soldering metal to selected areas of a member, the step comprising applying to the member at the edge of the selected areas without covering the selected areas a coating of a composition comprising as its essential ingredients a polymeric organosilicon oxide binder and a finely divided refractory inorganic substance in an amount equal to at least 25% of the weight of the organosilicon oxide, applying a soldering flux and solder to the selected areas outlined by the coating and heating the solder and soldering flux to a temperature sufficient to melt the solder, the coating preventing the flow of flux and solder beyond the areas so outlined.

2,473,888
LEAD-IN WIRE FOR ELECTRIC LAMPS AND SIMILAR DEVICES
Paul B. Jordan and Marvin Pipkin, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application June 10, 1947, Serial No. 753,780
3 Claims. (Cl. 176—126)



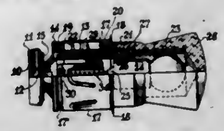
1. An electrical device comprising a sealed envelope, a filament therein, and lead-in wires comprising an inner portion located within said envelope and connected to said filament, said inner lead-in wires comprising a drawn composite wire consisting of a copper core and an outer layer of aluminum with an intervening layer of nickel.

2,473,889
CONTROLLER
Herman C. Krapf, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 10, 1944, Serial No. 562,884
7 Claims. (Cl. 200—5)



1. In a controller, in combination, a main shaft and an auxiliary shaft rotatably disposed side-by-side in the controller, a handle pivotally mounted on the main shaft and movable in a vertical plane and in a horizontal plane, switching means operated by movement of the handle in a vertical plane, spring-biased interlocking means actuated by the auxiliary shaft to prevent operation of said switching means by said movement of the handle under predetermined conditions, interlocking means rotated by the main shaft and cooperating with said spring-biased interlocking means to prevent rotation of the main shaft except when the auxiliary shaft is in a predetermined position and to prevent rotation of the auxiliary shaft except when the main shaft is in a predetermined position, and spring-biased means for preventing vertical movement of the handle except when the main shaft is in a predetermined position.

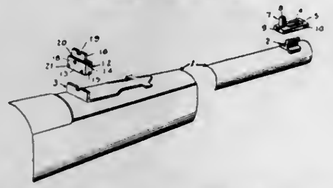
2,473,890
IGNITER AND LAMP PLUG
Alfred J. Kroll, Forestville, and Arthur W. Schnick, Meriden, Conn., assignors to The Cuno Engineering Corporation, Meriden, Conn., a corporation of Connecticut
Application February 20, 1948, Serial No. 9,756
7 Claims. (Cl. 171—97)



7. A combination igniter and lamp plug comprising an igniter unit having a central stud, two tubular extensions secured to said stud, one inside the other, the inner extension constituting a switch member electrically connected to said igniter stud and the outer extension having a

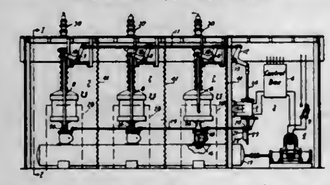
sleeve portion with a contact rim adjacent the igniter unit for grounding in a supporting socket, a tubular member having a switch contact portion at one end rotatable about said switch member within said sleeve portion, the other end of said tubular member constituting a lamp socket, a lamp bulb in said socket having a center contact connected to the first-mentioned switch member, a knob secured to said tubular member and housing said lamp bulb and an outer spring-pressed ring slidably mounted on said outer sleeve for mounting in a supporting socket.

2,473,891
RIFLE SIGHT CONVERSION ATTACHMENT
Urban Lillard, Miami, Fla.
Application June 14, 1946, Serial No. 676,706
1 Claim. (Cl. 33—59)



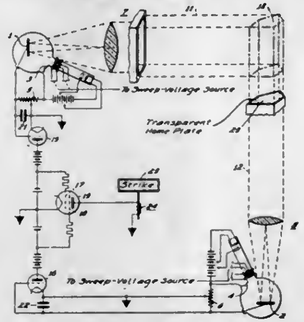
In a device of the class described, the combination of an elongated body provided with an upper and a lower longitudinally extending slot, said slots extending the length of said body, and open at their ends, a sight leaf set down in the upper slot, said sight leaf provided in one side with an elongated screw-receiving notch, a screw on one side of said body, and extending into said elongated screw-receiving notch, and a pair of screws on said body near its lower edge and extending into said lower longitudinally extending slot.

2,473,892
CIRCUIT INTERRUPTER
Leon R. Ludwig, Wilkinsburg, and Benjamin P. Baker, Turtle Creek, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 5, 1944, Serial No. 566,710
2 Claims. (Cl. 200—148)



1. A multi-pole circuit interrupter of the compressed gas type including an enclosed housing containing air at atmospheric pressure, a plurality of pairs of high-voltage terminal bushings, means including the roof portion of the housing for mounting substantially vertically the pairs of high-voltage terminal bushings in spaced side-by-side relationship, an arc-extinguishing unit disposed at the lower end of each terminal bushing, a conducting cross-bar for each pair of terminal bushings to electrically connect the two units of each pair of terminal bushings in electrical series, means including an elongated operating rod extending lengthwise of the housing for simultaneously moving the cross-bars in unison to effect the simultaneous opening and closing of the interrupter, the cross-bars moving downwardly during the opening operation to a position spaced from the arc-extinguishing units to effect thereby two isolating disconnect gaps in each pole of the interrupter, a pair of elongated grounded compressed gas reservoir tanks disposed below the arc-extinguishing units and spaced laterally apart to accommodate vertical travel of the cross-bars, a short length of insulating conduit pneumatically connecting each arc-extinguishing unit with its respective tank to minimize the pressure drop along the conduit, a compressor disposed within the housing to store gas under pressure within the tanks, and the heat generated by the operation of the compressor diminishing dampness within the housing to obtain more efficient operation of the interrupter.

2,473,893
OBJECT DETECTING AND INDICATING DEVICE
Frederick W. Lyle, Irwin, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 19, 1941, Serial No. 411,509
5 Claims. (Cl. 177—384)

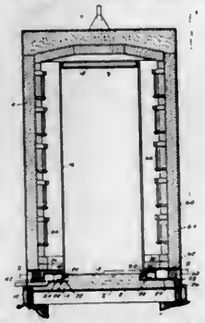


1. In a device for signalling called strikes in baseball games, a transparent home plate, a photo-electric device located beneath said transparent home plate and provided with an optical system for focusing on its screen only such light as traverses a cylindrical volume vertically above said home plate, a second photo-electric device provided with an optical system which focuses on its screen only light passing over said home plate between the height of the order of fifteen inches and the height of the order of sixty inches above said plate, and means responsive to a simultaneous increase in illumination on the screens of said two tubes to actuate a signal indicating a called strike.

2,473,894
FURNACE STRUCTURE
Clarence Lynn, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 22, 1945, Serial No. 579,242
6 Claims. (Cl. 263—40)

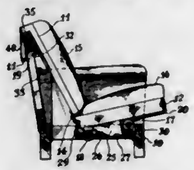
2. A fabricated circular gas-tight hood of a type described, comprising a cylindrical upstanding charge-enclosing section, an annular substantially horizontal skirt section around and

spaced from a bottom portion of said charge-enclosing section, an annular-like curved connection section having an upstanding part lapping said bottom portion of said charge-enclosing section and having an outwardly directed part lapping said skirt section, members cooperating with the inner portion of said skirt section



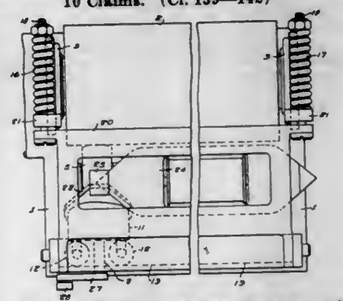
and with said outwardly directed part of said connection section, for forming a low water jacket therewith, said water jacket extending across a minor part only of the width of said skirt section, the top of said water jacket being below the top of said connection section, and water inlet and outlet means for said water jacket, passing through the bottom of said skirt section.

2,473,895
CHAIR
Philip Mednick, Brooklyn, N. Y.
Application September 2, 1947, Serial No. 771,757
1 Claim. (Cl. 155—116)



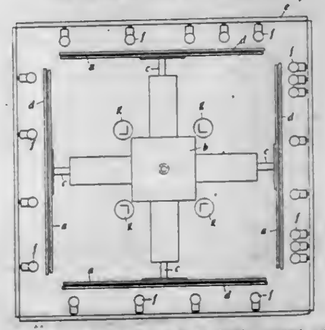
A reclining chair comprising, in combination, a basic frame structure, a back and a seat supporting portion hingedly connected and slidably arranged upon said frame structure, casters mounted within said frame structure at the top of the front and upon the sides of the latter, the seat supporting portion having channels adapted to slidably engage the casters at the front of the frame structure, brackets secured underneath at the rear upon each side of the seat supporting portion, said brackets being formed with a curvature and a semi-circular recess adapted to engage the casters upon the side of the frame structure, a projection upon each rear end of said brackets adapted to engage the casters upon the sides of the frame structure and arrest the forward movement of the seat supporting portion, the opposite ends of the brackets being adapted to engage the casters at the front of the basic frame structure, whereby further to limit the forward movement of the seat supporting portion, casters arranged near the top and upon the rear of the basic frame structure, channels secured to the slidable back portion and adapted to engage said latter casters, and bends upon the lower ends of said latter channels, whereby to limit the upward movement of the slidable back portion, substantially as shown and described.

2,473,896
FRICTIONAL SERVOMOTOR
Stanley J. Mikina, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 28, 1947, Serial No. 788,346
10 Claims. (Cl. 139—142)



1. A device for deriving translational motion from a source of rotary power, comprising a rotor shaped as a body of revolution with a substantially straight generatrix and revolvable about its geometric axis, a structure movable along said rotor, a pivot journalled on said structure, a roller revolvably mounted on said pivot about a roller axis extending at a right angle to that of said pivot, said roller being in frictional engagement with said rotor, a crank member on said pivot for turning the latter, a cam member having a slot engaged by said crank member and extending along the path of travel of said structure for turning said pivot during said travel.

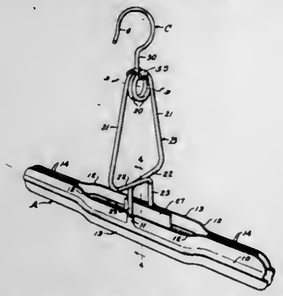
2,473,897
ELECTRICAL MUSICAL INSTRUMENT
Stanley Leonard Miller, Hinckley, England
Application April 4, 1947, Serial No. 739,381
In Great Britain April 26, 1946
4 Claims. (Cl. 250—41.5)



1. In an electrical musical instrument of the type specified, the combination of an assembly of

four pairs of rotary and stationary light controlling screens arranged at right angles to each other in the form of a quadrilateral figure with the screens of each pair situated one behind the other, and with one of the pairs of said screens at each side of said figure, a plurality of light sources arranged outside the screen assembly in association with each pair of said screens, and light-responsive members arranged within said screen assembly so that each such member is exposible through adjacent parts of two pairs of said screens to light emanating from the corresponding light sources.

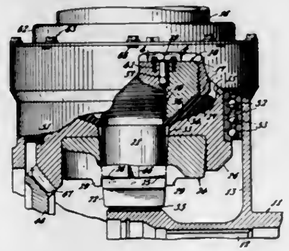
2,473,898
GARMENT HANGER
Charles L. Muntwyler, Oak Park, and Edward J. Frank, Cicero, Ill., assignors to AA Wire Products Co., Chicago, Ill., a corporation of Illinois
Application August 2, 1946, Serial No. 687,832
2 Claims. (Cl. 223—96)



1. A garment hanger in which is comprised a pair of opposed straps each having an outset medial portion and formed on the inner face of each medial portion with an angle channel one end of which extends through to the top of the strap, the end portions of each strap being inset toward the other for meeting engagement, means resiliently interconnecting the two straps of the hanger comprising a wire spring coiled to form a head from which is depended a pair of diverging crossed arms each terminating in a leg from which is laterally extended a foot in parallelism with, but in opposition to, the other foot, adapted to lie within, and interlock with, the angle channel of one strap thereby to interconnect the two straps, a locking plate affixed to the inner face of each strap in engaging relation with the associated foot to secure the same immovably to the strap, each locking plate occupying a position wholly within the confines of the outset medial portion of one strap both longitudinally and transversely thereof, and suspension means extending upwardly from the spring head for attachment to a fixed support.

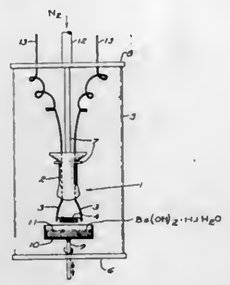
2,473,899
ARTICULATED AND UNIVERSAL JOINT FOR PROPELLERS AND OTHER MECHANISMS
Howard Murphy, Glen Ridge, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application December 11, 1943, Serial No. 513,982
12 Claims. (Cl. 170—160.52)

1. In a variable pitch propeller, a hub, a blade, blade retaining means comprising a substantially radial thrust bearing secured to said hub, a first member rotatably carried by said bearing, a second member disposed at least in part radially inward of said first member supported by and engaging said first member, said members having



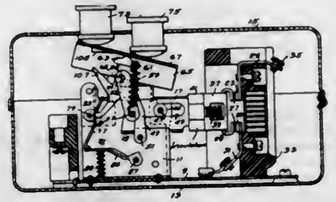
relatively convex abutments in rolling engagement with one another to sustain radially exerted forces due to said blade, and means passing freely through said first member, at least in part, connecting said blade and said second member.

2,473,900
ELECTRODE COATING PROCESS
René Penon, St. Cloud, and Pierre Lemaigre-Voreaux, Paris, France, assignors to General Electric Company, a corporation of New York
Application July 8, 1947, Serial No. 759,590
In France January 15, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires January 15, 1962
2 Claims. (Cl. 316—20)



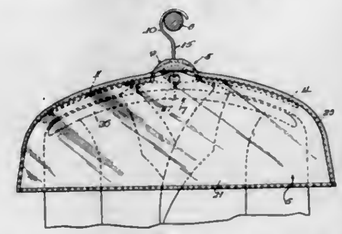
1. The method of activating electrodes of mercury vapor electric discharge devices which comprises applying thereto a homogeneous powdered composition of barium hydroxide containing, by analysis, between 1 and 1.1 gram molecules of water of crystallization to 1 gram molecule of the hydroxide, heating the electrode in an atmosphere of a non-oxidizing gas to fuse the said composition and cause it to spread over the electrode, passing an electric discharge through the device in a gaseous atmosphere devoid of mercury vapor to decompose the said composition, pumping out gaseous products evolved during the decomposition of said composition, and then introducing mercury into the device.

2,473,901
PUSH BUTTON OPERATED CIRCUIT INTERRUPTER
Lawrence Pierce, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1947, Serial No. 765,105
8 Claims. (Cl. 200—116)



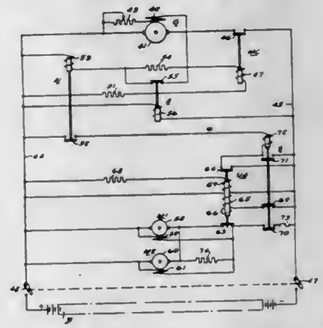
2. In a circuit breaker having a movable switch operating member, the combination of an operating mechanism for moving said switch operating member to open and closed circuit positions comprising an over-center spring, an operator movable to two positions to effect over-center movement of said spring to thereby move said switch operating member to said open and closed circuit positions, manually operable means for moving said operator to said two positions, a spring support member mounting one end of said over-center spring on said operator and movable relative to said operator upon movement of said operator to either one of said two positions to effect over-center movement of said spring, a releasable member operable when released to effect automatic movement of said switch operating member to open position, and means on said operator for engaging and resetting said releasable member upon opening movement of said operator.

2,473,902
UNIT FOR HANGING AND PROTECTING A GARMENT
Charles E. Prahman, Cincinnati, Ohio
Application January 23, 1946, Serial No. 642,841
5 Claims. (Cl. 223—98)



1. As a new article of manufacture, a unitary primary hanger adapted in conjunction with a shoulder protector with an open bottom and a top opening and also a conventional hook equipped garment supporting hanger to hang and protect a garment on the conventional hanger and comprising; (1) a longitudinally elongated open bottom housing shaped and constructed to fit within the top opening of the protector and having fixedly connected thereto an element extending transversely across the lower central portion of its interior and adapted to have hooked onto it the hook of the conventional hanger, (2) a pair of oppositely extending arms projecting outwards from the lower corner portions of the housing and shaped and constructed to support the shoulder protector, and (3) an upstanding hook extending upwards from the upper central portion of the housing and adapted to be hooked onto a support.

2,473,903
ELECTRIC CONTROL SYSTEM FOR VEHICLE RIDE STABILIZING EQUIPMENT
George R. Purifoy, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 23, 1948, Serial No. 22,797
5 Claims. (Cl. 318—440)

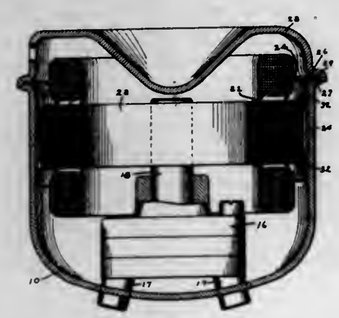


1. With hydraulic vehicle stabilizing equipment having a pump motor, in combination, an electric power system comprising buses, a battery normally connected across said buses, an axle generator, a first relay of a given pickup voltage connected across said generator and having contact means disposed between said generator and said buses for energizing said buses from said generator only when the generator voltage is above said pickup voltage, a second relay connected across said generator and having a pickup voltage below said given voltage, and contact means controlled by said second relay and disposed between said pump motor and said buses for connecting said motor across said buses only when said second relay is picked up.

2,473,904
REFRIGERATING APPARATUS
Francis I. Rataiczak, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application April 23, 1946, Serial No. 664,417
6 Claims. (Cl. 230—58)

1. In combination, a housing, a motor including a motor stator, a motor stator mounting bracket carried by said housing and comprising a split ring arranged in engagement with said housing and having axially extending embossed ribs adapted to engage said motor stator, and motor stator positioning ears embossed in said ring limiting axial movement of said stator, said ears comprising inwardly protruding conical portions in which the base of each conical portion faces the motor stator and in which the outer

surface of the conical portion constitutes a cam surface for camming the split ring outwardly as



the motor stator is inserted into the ring during assembly.

2,473,905
AUTOMATIC CONTROL SYSTEM
Ronald Reid, Iriam, England
Application July 12, 1946, Serial No. 683,262
In Great Britain July 31, 1945
7 Claims. (Cl. 236—78)

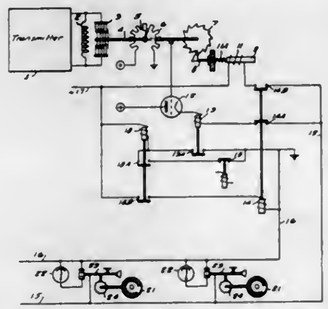
1. An automatically acting electrically operated system for controlling temperatures, pressures and so forth, comprising means for generating an electro-motive force corresponding to the value of the quantity to be controlled, means for providing a constant electro-motive force equal to that corresponding to the desired value of the quantity to be controlled, a pair of thermionic valves connected in push-pull, the said electromotive forces being applied respectively to the control grids of the valves, a pair of thyratrons, the anode of one valve being connected to the control grid of one thyratron and to the cathode of the other thyratron, while the anode of the other valve is connected to the control grid of the other thyratron and to the cathode of the one thyratron, means for feeding the anode-cathode circuits of the thyratrons with alternating current in phase opposition, and means controlled by the thyratrons for influencing the value of the quantity to be controlled in one direction when one thyratron responds, and in the other direction when the other thyratron responds, to a fluctuation in the value of the quantity to be controlled.

2,473,906
COVER CLOTH FOR CLOTHES PRESSING MACHINES
Edward A. Rich, Brooklyn, N. Y., assignor to H. Kohnstamm & Co. Inc., New York, N. Y., a corporation of New York
Application November 13, 1946, Serial No. 709,524
4 Claims. (Cl. 38—66)



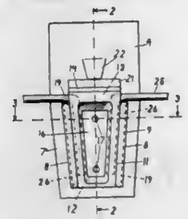
1. A cover cloth for the pressing buck of a clothes pressing machine, said cloth consisting of a woven fabric having a smooth surface, the area of said surface next adjacent the outer edges of the pressing area of the cloth as mounted on the buck being covered with material having a rough work-retaining surface.

2,473,907
REMOTE TUNER CONTROL SYSTEM
Neville R. Ridgely, Jr., and Clarence B. Coleman, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1948, Serial No. 20,803
5 Claims. (Cl. 318—21)



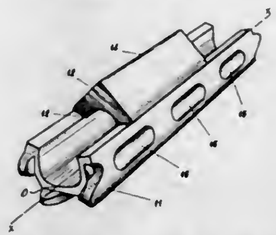
2. In combination with an electric circuit, a variable circuit element therefor controlled by mechanical movement, an electric motor adapted to cause a predetermined magnitude of said mechanical movement upon being energized by a current pulse, an electron tube having a control electrode and a cathode, means for varying the potential of said control electrode relative to said cathode in correspondence with the amount of said mechanical movement, a distribution circuit connecting a plurality of stations remote from said circuit element in series with said electron tube through a first pair of switch contacts, an indicator at each station connected across said distribution system by a movable switch having a rest-position and provided with means for alternately making and breaking a short circuit across said distribution system a predetermined number of times when it is displaced from its rest-position but for connecting said indicator across said distribution system in its rest-position, and means for energizing said motor with a current pulse each time said dial switch makes and breaks the short circuit across said distribution system.

2,473,908
SUPPORTING MEANS FOR BASKETBALL BASKETS
Herbert Rubin, New York, N. Y.
Application August 2, 1948, Serial No. 41,974
6 Claims. (Cl. 273—1.5)



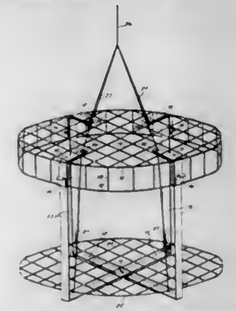
1. A basket-ball basket support comprising a suspension member having a front plate, a hollow shield removably engaging said plate, having a front wall spaced from said plate and having lateral walls extending from said front wall toward said plate, said lateral walls having gaps, a basket ring passing through said gaps, and a prong affixed to said ring, positioned between said lateral walls and extending at an angle to said ring's periphery.

2,473,909
DUCT ELEMENT, INTENDED IN PARTICULAR FOR LAYING ELECTRIC CABLES
Charles Ruchti, Lausanne, Switzerland, assignor of one-third to Henri Besson and one-third to Charles Payot, both of Lausanne, Switzerland
Application April 16, 1947, Serial No. 741,913
In Switzerland June 30, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires June 30, 1959
2 Claims. (Cl. 138—81)



1. A duct element intended in particular for laying electric cables, presenting a generally U-shaped cross-section and having on each end alternate indentations and projections forming a continuous sinuous line, the line of symmetry of which lies in a plane perpendicular to the longitudinal center line of the element, a projection and a recess at each end of the element lying on opposite sides of the axis of symmetry of the cross-section of the element in said plane with said axis passing through the point of reversal of curvature of said sinuous line, the two ends of said element being identical as viewed from the respective ends, whereby either end of an element is adapted to interfit with either end of another like element.

2,473,910
CRAB TRAP
Ignacio L. Ruiz, New York, N. Y.
Application July 28, 1944, Serial No. 546,998
2 Claims. (Cl. 43—105)



1. A crab trap which comprises a trap chamber element having a lower open face, U-shaped supporting elements pivoted to each other and having vertical side members, means on said side members to detachably engage and support the trap chamber element thereon with the open face disposed downwardly, a bait plate adapted to be guided by the U-shaped supporting elements and movable up and down within the supporting elements and adapted to move by gravity to a position below said open face, and connecting means attached to the bait plate and adapted to extend to the hand of the fisherman to permit the vertical movement of the bait plate relative to the trap chamber element.

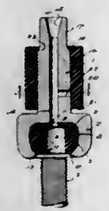
2,473,911
PRODUCTION OF FLUOROCARBONS
Norman Francis Sarsfield, Runcorn, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application June 14, 1944, Serial No. 540,309. In Great Britain July 19, 1943
8 Claims. (Cl. 260—648)

6. A process for recovering fluorocarbon from a liquid mixture of at least one hydrocarbon with partially fluorinated and completely fluorinated products thereof which comprises extracting the hydrocarbon by contacting it in the cold with ethyl alcohol having dissolved therein a small proportion of water and subsequently submitting the mixture to fractional distillation so as to isolate at least one fluorocarbon fraction.

2,473,912
TIRE RELIEF VALVE
Frank W. Schwinn, Chicago, Ill.
Application August 26, 1944, Serial No. 551,277
1 Claim. (Cl. 137—53)

In a tire inflation relief valve, the combination comprising a rigid body member having a longitudinal through bore and having three portions of successively larger external diameter including a small inlet end portion, a cylindrical mid-portion separated from the inlet end portion by a shoulder, and a large outlet end portion, said outlet end portion being longitudinally counterbored and formed to provide a cup-shaped recess having rounded corners and an outer rim which extend inwardly of the recess in a radial direc-

tion, a substantially cup-shaped resilient member disposed in said recess and having an opening in its end wall aligned with said through bore, said cup-shaped member being retained in position by said radially extending outer rim, the open end of said cup-shaped member opening outwardly of said recess, said cylindrical mid-portion having a radial bore therein communicat-



ing with the through bore to provide an escape port, and a resilient outer sleeve fitting snugly over said cylindrical mid-portion of the body member to close said port until a predetermined pressure is reached, said resilient outer sleeve having an internal shoulder engaging said shoulder at the end of the cylindrical portion to locate the sleeve.

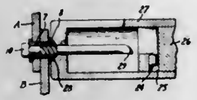
2,473,913

APPARATUS FOR UPSETTING BLIND RIVETS HAVING RIGHT ANGLE BEND IN STEM

Ernest H. Shaff, Spring Lake, Mich., assignor to Cherry Rivet Company, Los Angeles, Calif., a corporation of California

Original application November 5, 1942, Serial No. 464,677. Divided and this application September 27, 1945, Serial No. 618,853

1 Claim. (Cl. 218—19)



In an apparatus for setting blind rivets of the type having a rivet body including a hollow shank and head and having therein a setting mandrel with a projecting stem that has a sharply bent end portion extending away from the stem such a distance as to provide a substantial gripping portion, the combination of a casing member having a front abutment end engageable with the end of the rivet opposite to the shank thereof, an actuator mounted for movement relative to said casing member in the direction of the longitudinal axis of said engaging member, a transverse slot in said actuator extending through the end thereof disposed toward the abutment end of said casing member from the periphery thereof to a point somewhat beyond the axis of said actuator, a transverse recess in said actuator at the rear of said slot extending from said slot at a sharp angle and for a substantial distance to receive the bent end of said stem when said stem is inserted laterally through said slot, and a lateral slot extending through the end of said casing member alignable with said slot in said actuator to permit the passage of the stem of the rivet laterally with respect to both the casing member and the actuator to dispose the bent end of the stem in the recess in the actuator.

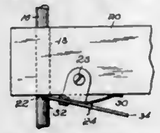
2,473,914

LATCH FOR DROP-SIDE CRIBS

Harold F. Shaw, Leominster, Mass., assignor to F. A. Whitney Carriage Company, Leominster, Mass., a corporation of Massachusetts

Application February 24, 1945, Serial No. 579,614

3 Claims. (Cl. 5—100)



1. In a crib comprising end members supporting vertical guide rods and a drop side arranged between them having top and bottom rails provided with apertures to pass said rods for vertical movement of the side along the same, the rods presenting horizontal shoulders, latches at the ends of the top rail, each comprising a plate underlying the rail, pivoted on a horizontal axis, spring pressed to a normal position inclined to the rail and having a nose portion which then intersects the aperture and is adapted to underlie a shoulder, the plate having a tail portion by pressure on which it may be swung against the spring to free said nose portion from the rod.

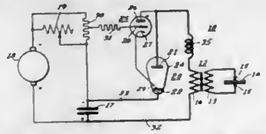
2,473,915

HEATING AND WELDING SYSTEM

Joseph Slepian, Pittsburgh, and Alfred B. White, Edgewood, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 21, 1941, Serial No. 399,084

27 Claims. (Cl. 320—1)



1. A power system comprising, a condenser, a resonant charging circuit connecting the condenser to a source of electrical energy to produce an oscillating charging current of a relatively low frequency, a separate discharging circuit including an inductive load device, valve means having control electrode means operable to connect the discharging circuit to the condenser to produce a relatively high frequency oscillatory discharge of the condenser through the inductive load device, and means including a control circuit energized in accordance with the charge of the condenser to control the energization of the control electrode means for controlling the operation of the valve means.

2,473,916

RELAY SYSTEM

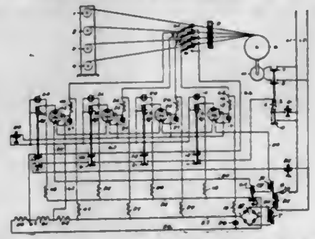
Frederick D. Snyder, Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 15, 1946, Serial No. 690,795

6 Claims. (Cl. 28—51)

1. An indicating protective control system for machinery for fabricating strand material and the like, comprising a motor, a contactor for controlling said motor, a plurality of differently located control elements responsive to faulty con-

dition of the material, a plurality of control assemblies having each an electromagnetic relay and an indicating means and including each a normally nonconductive electronic trigger tube in parallel connection to said relay, each of said relays having a contact and a relay coil for controlling said contact, an energizing circuit connected across said relay coils so as to cause said relays to be normally in picked-up condition and to drop out when said tubes are conductive, said tubes having respective grid circuits connected to



said respective control elements so as to trigger said respective tubes when said elements respond to fault, circuit means disposed for providing trigger voltage for said grid circuits and having a circuit connection attached to said control elements and extending in series through said relay contacts so that when one of said elements has caused triggering of the appertaining one tube said control elements are rendered temporarily ineffective to thereafter trigger other tubes, said relays being connected to said contactor for controlling it to deenergize said motor when any one of said tubes is triggered.

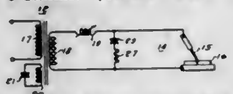
2,473,917

ALTERNATING CURRENT ARC WELDING SYSTEM

Emil F. Steinert, Williamsville, and Charles H. Jennings, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 13, 1948, Serial No. 8,254

6 Claims. (Cl. 315—246)



1. An arc welding system comprising, a welding transformer disposed to supply welding current to a welding circuit, a capacitor connected in shunt circuit relation with the welding circuit intermediate the transformer and the arc, and a resistor connected in series circuit relation with the capacitor to reduce the arc noise without appreciably reducing the stabilizing effect of the capacitor.

2,473,918

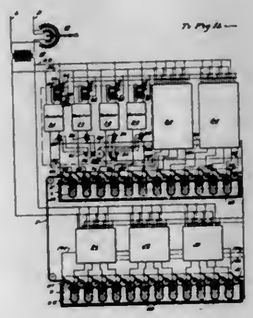
CONTROL SYSTEM FOR ELECTROLYTIC PROCESSES

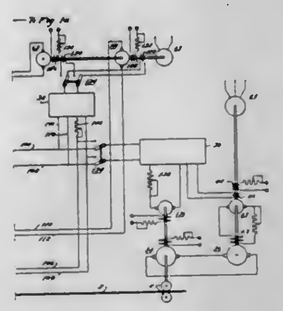
Glenn E. Stoltz, Pittsburgh, and John R. Erbe, Mount Lebanon, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 8, 1942, Serial No. 468,218

13 Claims. (Cl. 204—211)

1. In a control system for an electrolytic process employing a plurality of electrolytic baths, variable speed means for causing a length of material which is to be electrolytically treated to move through the baths, means for supplying current to the electrolytic baths, separate means for varying the current supplied to the separate baths, regulator means jointly responsive to the current flow in the separate baths, means for selectively connecting said regulator means in controlling relation with one of said current





varying means to maintain a predetermined ratio between the currents supplied to the separate baths, and means responsive to the speed of travel of the strip and the current supplied to at least one of the baths for so controlling said variable speed means as to maintain a predetermined relation between the speed of travel of the length of material through the baths and the current flow in the baths.

2,473,919

METHOD AND APPARATUS FOR ASSEMBLING INCANDESCENT LAMP MOUNTS

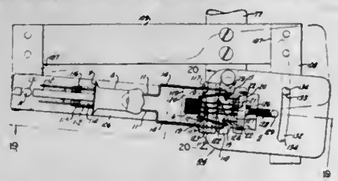
Melvin L. Stone, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application August 14, 1947, Serial No. 768,643

10 Claims. (Cl. 219—4)

1. In the manufacture of a mount for an electric incandescent lamp of the type having a segmental filament supported by a bridge member fastened to the lead-in conductors of the lamp,

the step of welding the filament and the support bridge to the lead-in conductors while jig-

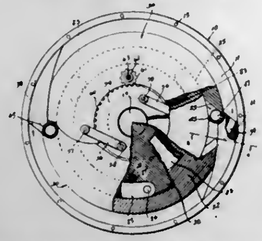


held in predetermined assembled relation with each other.

2,473,920
FRACTIONATION OF LINEAR POLYAMIDES AND PRODUCTS OBTAINED THEREBY
Guy B. Taylor, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 19, 1944, Serial No. 545,721
3 Claims. (Cl. 260—78)

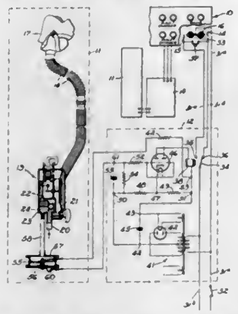
1. A process which comprises agitating a solution of from 1 to 20 parts of polyamide in a mixture of from 45 to 70 parts phenol and from 30 to 55 parts water, allowing the liquid menstruum to separate into a plurality of layers while maintaining the solution within the temperature range of 56 to 95° C., separating at least a portion of one of said layers, and isolating the polyamide from said layer, said polyamide being a synthetic linear polycarbonamide in which the recurring amide groups are an integral part of the main polymer chain and in which the average number of carbon atoms in the segments of the chain separating the amide groups is at least two.

2,473,921
VARIABLE CAPACITY VANE PUMP
Thomas J. Thatcher, Huntington Station, N. Y.
Application February 19, 1946, Serial No. 648,676
3 Claims. (Cl. 103—120)



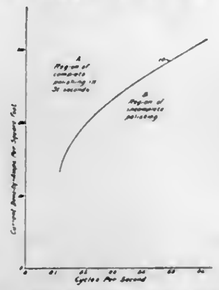
1. A fluid pump comprising a housing providing an annular receptacle, a shaft journaled in said housing, a rotor on said shaft within said housing receptacle, said rotor having angularly spaced recesses in the outer portion thereof, vanes carried by said rotor and pivotally mounted, one in each of said recesses, a pair of interiorly-concave, arcuate shoes in said housing receiving the outer portion of said rotor, a pair of fluid outlet pipes disposed at opposite sides of said rotor, each pivotally connecting an end of a respective arcuate shoe to said housing, means operatively connected with said shoes and operated from outside said housing for moving said shoes toward and away from said rotor, means providing fluid inlet and outlet passages for the spaces between said shoes and said rotor, and means providing a seal between each side of said rotor and said shoes.

2,473,922
BREATHING INDICATOR
Cornelius A. Tobias, Berkeley, Calif.
Application October 29, 1945, Serial No. 625,148
8 Claims. (Cl. 177—311)



1. A breathing indicator comprising, in combination, a device which responds by displacement to the rhythmic breathing of a gas; means for coupling said device to a gas mask; a circuit connected to a source of power; signaling means operated by voltage from said circuit; and means including a timing condenser controlled by displacement of said device and in turn controlling the signaling means; the signaling means being actuable to give a signal indicating danger when the breathing ceases or becomes highly irregular.

2,473,923
ELECTROLYTIC POLISHING PROCESS
Dennis R. Turner, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 13, 1945, Serial No. 572,589
2 Claims. (Cl. 204—140)



1. In the method of polishing a member whose surface is composed of silver, the steps comprising immersing the member in an aqueous alkaline cyanide solution consisting of from 2 to 50 grams per liter of alkali cyanide and from 5 to 100 grams per liter of another readily ionizable alka-

line compound to provide for good electrical conductivity, passing an alternating electrical current of a frequency of between 0.1 cycle and 0.6 cycle per second at a current density of not less than 100 amperes per square foot at 0.1 cycle per second, the current density for other frequencies between these limits being maintained in the area A in the figure of the drawing, the flow of current being applied for about 30 seconds, and withdrawing the member from the solution when the current cycle renders it anodic for frequencies between 0.1 and 0.2 cycle per second.

2,473,924
SYNTHETIC LINEAR POLYAMIDES AND PROCESS FOR RETARDING CRYSTALLIZATION OF SAID POLYAMIDES
Isaac F. Walker, Hockessin, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 19, 1946, Serial No. 684,765
7 Claims. (Cl. 260—78)

1. A process for obtaining synthetic linear polyamides in which the normally occurring crystallization is retarded, said process comprising blending the molten polyamide with from 0.5% to 10% of its weight of a sulfonated compound of the formula $RCOXR'SO_3M$, wherein R is an open chain monovalent hydrocarbon radical having from 11 to 19 carbon atoms, R' is a divalent saturated aliphatic hydrocarbon radical having from 1 to 6 carbon atoms, M is a metal selected from the group consisting of sodium and potassium, and X is an element selected from the group consisting of oxygen and tertiary nitrogen said nitrogen having a substituent selected from the group consisting of methyl and ethyl groups, said polyamide having an intrinsic viscosity of at least 0.4, recurring amide groups as an integral part of the main polymer chain, and an average number of carbon atoms of at least two in the segments of the chain separating the amide groups.

2,473,925
LAMP HOLDER FOR DOUBLE-ENDED DISCHARGE LAMPS
Benjamin C. Webster, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application March 15, 1945, Serial No. 582,858
5 Claims. (Cl. 173—328)



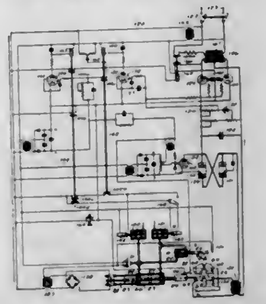
1. A lamp holder for use with double-ended discharge lamps having a plurality of contact pins at each end comprising, a housing having a slot in one end thereof to receive the contact pins of the lamp, a plurality of contact fingers mounted therein in cooperative relation with the slot, an L-shaped lever member rotatably mounted upon the back face of the housing for movement in a plane substantially parallel to said back face of the housing to and from a locking position, said housing having stop means disposed to stop said lever member in its locking position, said lever member having a bent-over end portion extending over the slotted end of the housing, and spring means normally biasing said lever member to its locking position.

2,473,926
DEVICE FOR SOFTENING BEARDS
Homer C. Wesley, Sr., Louisville, Ky.
Application April 23, 1948, Serial No. 22,911
1 Claim. (Cl. 128—380)



A metallic facial mask for softening the beard of a wearer comprising an upper section having a configuration conforming to the chin and cheeks of the wearer, a lower section having a configuration conforming to the front and sides of the neck of the wearer and joined integral with the upper section along a line to define a parabolic curve in conjunction with the latter, the upper edge of the upper section extending beneath the nose of the wearer, a moisture-absorbing pad positioned within the upper and lower sections of said mask, and a pair of projecting handles disposed in spaced parallel relation and secured to the exterior of said upper section.

2,473,927
APPARATUS FOR AND METHOD OF PERCUSSIVE WELDING
Alfred B. White, Murrysville, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1946, Serial No. 667,761
16 Claims. (Cl. 219—4)



1. A method of welding which comprises, prepositioning a pair of metallic members with surfaces in contact, passing an electrical discharge from a condenser therebetween sufficient to produce a fluid condition of the members at the contacting surfaces, and applying a relatively sharp blow to at least one of the members such

as to force said one member against the other member and force the contacting surfaces together between the peak and the end of the first half cycle of the condenser discharge.

2,473,926
ARC WELDING SYSTEM
Alfred B. White, Murrysville, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1946, Serial No. 713,237
6 Claims. (Cl. 315—276)



1. In an alternating-current arc-welding system, a welding transformer having a primary winding for connection to a 60-cycle source of electrical energy and a secondary winding for connection to an arc-welding circuit, a reactance device connected in series circuit relation with the secondary winding and the arc, and a capacitor of from 75 to 250 microfarads connected in shunt circuit relation with the secondary winding intermediate the reactance device and the source for maintaining a substantially continuous arc with an open circuit secondary voltage on the order of 55 to 65 volts.

2,473,929
POLYMERIZATION PROCESS
Wilfred K. Wilson, Springfield, Mass., assignor to Shawinigan Resins Corporation, Springfield, Mass., a corporation of Massachusetts
No Drawing. Application February 18, 1946, Serial No. 648,574
11 Claims. (Cl. 260—89.1)

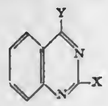
1. In a batch process for polymerizing a polymerizable compound having a $CH_2{=}C<$ group in an aqueous emulsion containing, as a catalyst, 0.01–0.2 part of hydrogen peroxide and such an amount of a water-soluble iron salt as to contain 0.0002–0.004 part of combined iron for every 100 parts of water, the steps which comprise adding all of the iron salt, but only a portion of the hydrogen peroxide initially and adding the remainder of the hydrogen peroxide after a substantial proportion of the polymerizable compound has been polymerized, 10–70 parts of the polymerizable compound being polymerized for every 90–30 parts of water.

2,473,930
PROCESS FOR BLEACHING GLYCERIDIC ESTERS
Eric R. Woodward, New York, N. Y., assignor to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application August 30, 1947, Serial No. 771,561
7 Claims. (Cl. 260—423)

1. A process for improving the color of glyceridic esters of long chain fatty acids containing minor proportions of free fatty acids which comprises intimately dispersing a dry mixture of chlorine dioxide and an inert gas through the fatty material while the latter is at a temperature at which it is fluid, is substantially dry and free from mineral acidity, the fatty acid content of the fatty material not exceeding 10% by weight.

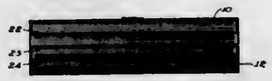
2,473,931
2- AND 4-SULFANILAMIDO QUINAZOLINE
Frank J. Wolf, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application November 9, 1945, Serial No. 627,785
3 Claims. (Cl. 260—239.6)

1. A therapeutically useful quinazoline derivative having the generic formula:



where X and Y are radicals different from each other, both being selected from the group which consists of hydrogen and sulfanilamido.

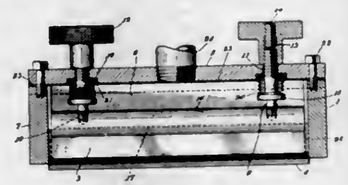
2,473,932
PACKAGE FOR DISPENSING INTERFOLDED SHEETS
Gaylord E. Wolf, Pittsburgh, Pa.
Application April 30, 1947, Serial No. 744,993
4 Claims. (Cl. 206—57)



1. A package for dispensing interfolded sheets, comprising a wrapper that is openable at its front end for removal of the sheets therefrom, a plurality of interconnected sheets therein arranged in packet form, each sheet being folded upon itself in the other end of the wrapper and having its extremities positioned adjacent to the first-named end of the wrapper, each sheet having one of its ends folded back to form a narrow flap that has severable connection with the adjacent end of the preceding sheet, whereby upon withdrawal of the last-named sheet from the wrapper, the flap of the next succeeding sheet will be drawn outwardly at the front end of the wrapper, and a dividing strip extending crosswise in the wrapper and secured to the wrapper, the strip extending between sheets adjacent to the mid plane of the package and serving to loosely retain a second group of sheets against accidental withdrawal from the wrapper.

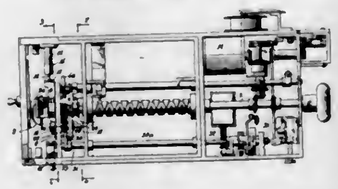
2,473,933
SPRAYER NOZZLE
Joseph Zielinski, Brooklyn, N. Y.
Application December 19, 1946, Serial No. 717,157
4 Claims. (Cl. 299—136)

3. A nozzle comprising a hollow body having a converging top and bottom, ends secured thereto, and a rear member attached to the top and bottom and ends, the top and bottom converging and being separated along one edge to present a narrow elongated opening, a valve element having a tapered edge in said opening of substantially the same length as said opening, a bar to which the valve element is affixed, said bar having rounded sides presented to the converging top and bottom and converging towards said valve element, means comprising a rod rotatably attached to the bar and projecting through the rear member to the outside of the body, a collar on said rod in the body, a spring between the collar and the rear member,



the outer end of said rod being threaded, a knob screwed upon said threaded end and a screw plug in the knob for releasably securing the knob to the rod.

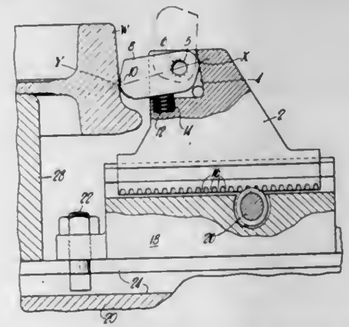
2,473,934
SEWING-MACHINE FEED
Solomon Adler, Kew Gardens, N. Y.
Application August 30, 1946, Serial No. 693,916
5 Claims. (Cl. 112—210)



1. In a sewing machine in combination a base provided with a deck, a main drive shaft supported within said base and below said deck, a gear connected to rotate with said drive shaft, a further shaft, a second gear secured to rotate with said further shaft, a shiftable carrier plate fulcrumed on said further shaft, a pair of intermeshing gears supported by said plate and disposed—according to the position to which said plate is shifted and under continued rotation of the drive shaft gear in one direction—to connect the drive shaft gear, through the gears of the carrier plate, to rotate the second gear in clockwise and counter-clockwise directions and to prevent the main drive gear from driving the second gear, a manually shiftable means accessibly disposed with respect to said base and deck and connected to said plate to shift the same, a feed dog slidably mounted for reciprocation with respect to said base and means carried by said further shaft and connected with said dog to cause reciprocation of the same as said further shaft is rotated.

2,473,935
INDEPENDENT LEVERAGE CHUCK
William A. Ashton, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application May 18, 1948, Serial No. 27,673
2 Claims. (Cl. 279—123)

1. A chuck comprising a chuck body having a recess therein, a chuck jaw pivotally mounted in said recess, the rear end of said jaw bearing against the rear surface of said recess at a point between the pivot and the open end of said recess, and a serrated contact face on the front end of



said jaw at a point diametrically opposite the jaw bearing point.

2,473,936
INTERNAL-COMBUSTION ENGINE
Joe Burrough, San Francisco, Calif.
Application October 18, 1947, Serial No. 780,604
7 Claims. (Cl. 123—51)

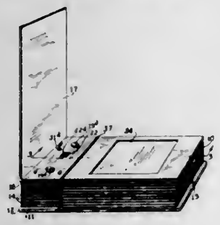
4. In an internal combustion engine of the character described, the combination of an elongated piston accommodating cylinder having air intake and outlet ports at each of its ends, a piston in each end of said cylinder disposed to operate in opposition to each other and form a combustion chamber between their adjacent ends, an intake manifold having ports communicating with the interior of said cylinder and adapted to be uncovered by one of said pistons when in its outermost position, an exhaust manifold also having ports communicating with the interior of said cylinder and adapted to be uncovered by the other of said pistons when in its outermost position, a wave-like cam way extending around the outside of each of said pistons, fixed cam way engaging means carried by said cylinder and adapted to engage the wave-like cam ways of each of said pistons, whereby said pistons will be caused to turn about their axis as they reciprocate within said cylinder, a centrally disposed shaft journaled in each end of said cylinder upon which said pistons are slidably connected, and valve member carried by each of said shafts adapted to control the admission of air to the outer ends of said cylinder and its discharge to said air intake manifold as said pistons reciprocate.

2,473,937
SAFETY AUTOMOBILE DOOR LOCK HANDLE
Edward H. Cameron, Seattle, Wash.
Application May 20, 1947, Serial No. 749,203
2 Claims. (Cl. 292—348)



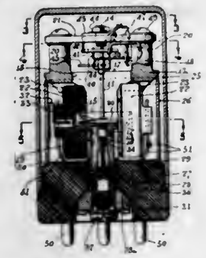
2. A removable handle for use on the operating shank of the door latch mechanism of an automobile door, consisting of: a bushing adapted to be fixedly secured to the operating shank of a door latch; an annular, outwardly extending, handle positioning shoulder formed as part of said bushing; a transverse slot in said bushing cut to a depth greater than the radius of the bushing; a longitudinal cut extending from the end of said bushing and joining with said transverse slot to form two lugs; an operating handle bored to seat on the lug bearing end of said bushing and to abut said positioning shoulder; a key member extending into the bore of said operating handle adapted to pass through said longitudinal cut and operatively engage said transverse slot; and resilient means disposed between the bottom of said bore and the lug bearing end of said bushing.

2,473,938
COMBINED PHOTOGRAPH ALBUM AND MUSIC BOX
Anthony H. Cannizzaro and Pauline F. Cannizzaro, New York, N. Y.
Application May 12, 1947, Serial No. 747,390
12 Claims. (Cl. 84—95)



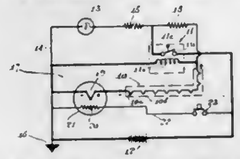
1. A book album having a cover and a series of leaves connected to the cover by binding screws and hinged for individual inspection, a self starting spring actuated music box concealed between certain of the leaves and provided with a starting element projecting above the leaves, and a second cover hinged to the leaves and adapted to lie against the starting element to hold said music box inoperative, said last-mentioned cover carrying said music box and said music box fitting in a recess in said leaves between said binding posts and said cover having an inturned hinge flap upon which the music box is mounted.

2,473,939
POLARIZED ELECTROMAGNET
Winslow B. M. Clark, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application October 22, 1945, Serial No. 623,795
6 Claims. (Cl. 175—339)



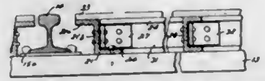
1. In an electrical instrument including a pivoted permanent magnet, means for generating a magnetic field to produce a torque influence on said magnet, and a cylindrical magnetic shield surrounding said magnet; means for locating said shield in concentric relation to the pivot axis of said magnet, comprising a seating member having a conical face centered at said pivot axis for locating one end of said shield; a second seating member having an annular shoulder centered at said pivot axis and adapted to fit the interior wall at the other end of said shield and further having an abutment face in a plane at right angles to said pivot axis adapted to bear against said other end of the shield; and means for clamping said seating members, in directions along said pivot axis, against the ends of said shield.

2,473,940
FIRE ALARM SYSTEM
Winslow B. M. Clark, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application November 20, 1945, Serial No. 629,849
4 Claims. (Cl. 177—311)



4. In a fire alarm system including a thermopile, a relay including a coil and a pair of contacts, and an alarm circuit including said contacts, an alarm device and a source of potential, said source having connection to ground: the combination of a control circuit serially including said coil and thermopile, one end of said coil being connected to ground; circuit means connected between the end of said coil opposite to ground and said alarm circuit for supplying supplementary current from said alarm circuit to said coil upon closure of said relay contacts; and means for testing said system for operability, including testing said thermopile for continuity and leakage resistance to ground, comprising a test thermocouple permanently connected in said control circuit between said thermopile and ground, a heater thermally associated with said test thermocouple, and circuit means including a switch for supplying energizing current to said heater from said potential source at will.

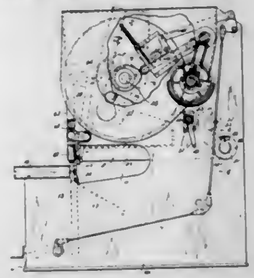
2,473,941
RAILWAY CROSSING
Fred L. Condon, Canisteo, N. Y., assignor to Canisteo Industries, Inc., Canisteo, N. Y., a corporation of New York
Application January 30, 1946, Serial No. 644,321
4 Claims. (Cl. 238—8)



1. In a railway road crossing, a self-contained, metallic road unit comprising supporting frame and surfacing portions, said frame portion having Z-bars at opposite sides thereof adapted to be supported on and secured to the railway cross ties intermediate and parallel with adjacent rails, said Z-bars having their top flanges projecting above the flanges and tie plates of said rails and adjacent to the heads thereof to maintain substantial continuity of road surface and having their bottom flanges extending away from said rail flanges and tie plates and affording substantial weight-bearing areas, and said Z-bars having their upstanding web portions and top flanges located in spaced relation with the flanges and tie plates and heads of said rails, respectively, to maintain an electrical insulating spacing therefrom, sill bars substantially coextensive in height with said Z-bars and connected to and supported by the opposite ends of said Z-bars, respectively, to bridge the space therebetween, a stringer bar supported between said sill bars intermediate said Z-bars, all of said bars having their tops lying substantially in a common top plane of said unit, and said surfacing portion comprising a section of open decking construction supported on and secured to the tops of said bars, said unit being substantially equal in height to said rails and adapted to be installed and removed independently of disturbance of said rails and cross ties.

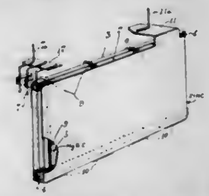
2,473,942
SHEAR PRESS
Roy F. Dehn, Cleveland, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio
Application December 22, 1945, Serial No. 636,899
6 Claims. (Cl. 164—43)

1. In a power operated, heavy duty, metal shears of the character referred to, the combination of: a frame comprising horizontally spaced, generally vertical side housings and a bed having a generally horizontal surface, adapted to support material or work to be sheared, connected to said side housings adjacent to the front thereof; said bed being adapted to have a shearing knife detachably connected thereto adjacent to its upper rear edge; a movable ram or blade intermediate said side housings and extending substantially the entire distance therebetween; means including a plurality of shafts mounted in said side housings; said shafts each having an eccentric portion for pivotally supporting said movable ram or blade for movement about an axis generally parallel with the upper rear edge of said bed; said movable ram or blade having its lower front edge adapted to have a shearing knife detachably attached thereto; a plurality of gear-like members, one fixedly connected to each of said shafts intermediate the side housing within which the respective shaft is supported and the adjacent side



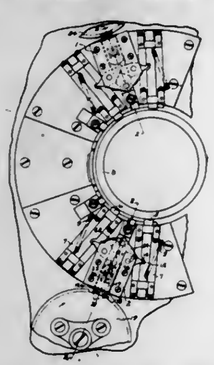
of the ram or blade; a plurality of pinion gears, one in mesh with each of said gear-like members; means for simultaneously rotating said pinion gears for varying the clearance between the shearing knives; and power actuated means pivotally connected to said ram or blade adjacent to the front thereof for oscillating said ram or blade about said axis to cause a cutting edge of the shearing knife carried thereby to move across a cutting edge of the shearing knife carried by said bed.

2,473,943
METHOD OF IMPREGNATING CARBONACEOUS BODIES
Le Roy S. Dunham, East Orange, and Einar V. Steffensen, Belleville, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application April 6, 1945, Serial No. 586,950
1 Claim. (Cl. 117—121)



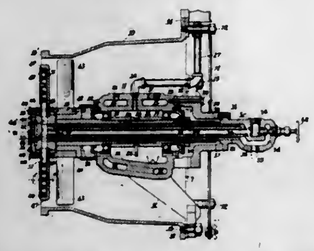
The method of impregnating a coherent carbonaceous body having a porosity of the order of 50% or more, which comprises introducing into said body a brine solution of a mercuric salt composed approximately of 66.7% mercuric chloride, 24.7% water and 8.6% sodium chloride, drying said body, immersing said body in a solution of caustic alkali having a temperature of the order of 60° C. so as to precipitate mercuric oxide within said body throughout the pores thereof, and repeating said process until approximately 1.5 grams of mercuric oxide are deposited within said body per cu. cm. of volume thereof.

2,473,944
SELECTING MECHANISM
Oscar Fregeolle, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application December 8, 1945, Serial No. 633,654
12 Claims. (Cl. 66—43)



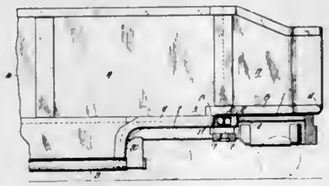
1. In a circular, independent needle, knitting machine having main and auxiliary cam blocks, needles adapted to knit at said auxiliary cam block and a jack under each needle, the combination of a jack cam for raising all of said needles through their associated jacks directly to the maximum level required for knitting at the auxiliary cam block, means for lowering said jacks to a predetermined level without affecting the position of said needles, means for raising preselected ones of the jacks above the others without causing the preselected jacks to engage the needles, means for raising corresponding needles through said preselected jacks to a wrapping level above said previously mentioned level and means for lowering said jacks to the level of the remaining jacks.

2,473,945
ROTARY FUEL BURNER WITH REMOVABLE FUEL-CONDUCTING MEANS
Carl W. Gibson, Worcester, Mass., assignor to Coppus Engineering Corporation, Worcester, Mass., a corporation of Massachusetts
Application July 5, 1946, Serial No. 681,518
7 Claims. (Cl. 158—74)



1. In a burner construction of the class described, a casing forming a passage for combustion-supporting air and being adapted to be connected to a furnace, a stationary support rigidly mounted within said casing, a tubular shaft rotatably mounted within said support and disposed coaxially of said casing, a fluid-distributing means carried upon the furnace end of said shaft, said fluid-distributing means being apertured for the reaction jet discharge of fluid under pressure to produce thereby the rotation of said ahaft, and means carried by said shaft for forcing air axially through said casing toward said furnace; the invention which consists in the provision of a unitary fluid-conducting means removably insertable within that end of said shaft remote from said furnace, said last mentioned means comprising, a normally stationary fluid-supply manifold removably secured upon said support and over that end of said shaft remote from said furnace, said manifold being adapted to be connected to a supply of fluid under pressure, and a normally stationary fluid-conducting tube rigidly carried by said manifold and extending axially into and coextensively of said shaft for conveying said fluid to the vicinity of said fluid-distributing means for introduction thereto, said manifold and said tube being removable as a unit from said casing in a direction away from said furnace.

2,473,946
DOUBLE TRUCK MINE CAR BODY
Karl R. Hammerstrom, Dormont, Pa., assignor to United States Steel Corporation of Delaware, a corporation of Delaware
Application May 12, 1945, Serial No. 593,407
7 Claims. (Cl. 105—414)



3. A truck mine car body having a box section body bolster with its webs formed by arranging the mutually adjacent end portions of the body's end and intermediate floor plates in overlapped and vertically offset relation with the end floor plate over the intermediate floor plate, and with its flanges formed by flanges joining said floor plates with each other, said bolster internally having longitudinal stiffeners extending from one of its side bearing portions to the other one thereof in the form of plates extending longitudinally of said section and joined flatly to the insides of its webs and a vertical plate running along its center line and joined with the bottom face of the upper one of said plates, along with vertical transverse plates in line with the side bearing portions and joined with the upper one of said plates.

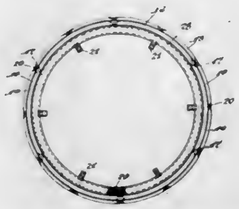
2,473,947
LEG SUPPORT DEVICE
Walter P. Hamstrom, Seattle, Wash.
Application September 13, 1947, Serial No. 773,913
3 Claims. (Cl. 155—165)

1. A leg-supporting device for use by automobile drivers, consisting of: a transversely curved leg rest pad; a telescopic support for said pad having a pivoted tube and a supporting shaft slidable within said pivoted tube; buffer means disposed between said leg rest pad and said supporting shaft; friction locking means adapted to secure said telescopic support in adjustable height position; a bracket adapted to be secured to the floor of an automobile and to pivotably



support said telescopic support; said bracket having a U-shaped wall adapted to guide said telescopic support and restrict it to movement in one plane; a plurality of aligned holes through said U-shaped wall disposed to receive limit stop pins adapted to limit the extent of movement of said telescopic support.

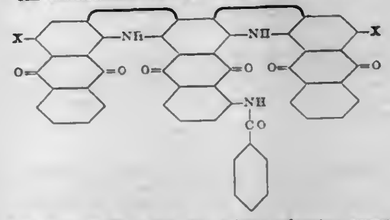
2,473,948
SPEED CONTROLLED CENTRIFUGAL VALVE
William H. Harstick, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 24, 1946, Serial No. 678,865
8 Claims. (Cl. 137—140)



1. A centrifugally operable valve member comprising a continuous annular rubber sealing element adapted to be supported adjacent to and inwardly from a continuous annular discharge opening, and a metallic resilient member embedded within said sealing element, said resilient member extending substantially throughout said sealing element, and means arranged and constructed for supporting and rotating said sealing element whereby said sealing element is expandable by centrifugal force to seal the discharge opening upon a predetermined speed of rotation of the valve member.

2,473,949
ANTHRIMIDE-CARBAZOLE DYESTUFFS
Hermann Hauser, Binningen, and Max Bommer, Riehen, Switzerland, assignors to the Swiss firm of Ciba Limited
No Drawing. Original application April 20, 1943, Serial No. 483,804. Divided and this application September 17, 1948, Serial No. 49,846. In Switzerland April 18, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 18, 1962
1 Claim. (Cl. 260—316)

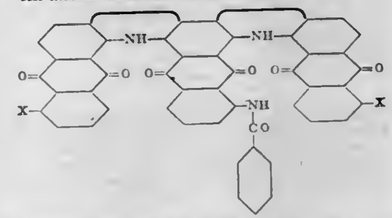
An anthrimide-carbazole of the formula



wherein one X stands for a benzoylamino group and the other X for hydrogen.

2,473,950
ANTHRIMIDE-CARBAZOLE DYESTUFFS
Hermann Hauser, Binningen, and Max Bommer, Riehen, Switzerland, assignors to the Swiss firm of Ciba Limited
No Drawing. Original application April 20, 1943, Serial No. 483,804. Divided and this application September 17, 1948, Serial No. 49,847. In Switzerland April 18, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 18, 1962
1 Claim. (Cl. 260—316)

An anthrimide-carbazole of the formula

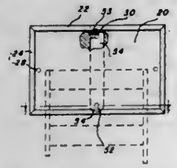


wherein one X stands for a benzoylamino group and the other X for hydrogen.

2,473,951
STEPLADDER TRAY OR SHELF
Marvin M. Hickey, South Bend, Ind.
Application July 3, 1945, Serial No. 603,042
1 Claim. (Cl. 248—238)

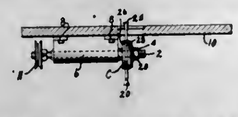
A tray for attachment to a step of a step ladder comprising a rectangular bottom, a continuous flange about said bottom to form a tray, said bottom being adapted to rest upon the upper surface of the step substantially lengthwise of the same, said bottom having a pair of spaced openings transversely spaced in a plane medial of said bottom and perpendicular to the longitudinal axis of said bottom portion, each of said openings being adjacent said flange, bolt means through said openings, a clamping bar being adapted to en-

gage the lower surface of the step and to receive one of said bolts whereby said bar is pivotally mounted on said one bolt for swinging said bar relative to the other of said bolts, said clamping



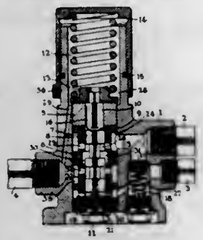
bar having a slot therein, spaced from said first bolt which is adapted to receive the other of said bolts, and clamping nuts on said bolts whereby said clamping bar and tray may be clamped to the step.

2,473,952
AXIALLY EXPANSIBLE ROTARY CUTTER
Daniel G. Horr, Spokane, Wash.
Application May 12, 1947, Serial No. 747,445
1 Claim. (Cl. 144—218)



In a cutter head, the combination with a pair of rotary knives having transverse flange bits and circular center portions bored for mounting upon a shaft, of means on the adjoining faces of said center portions including concentric, connected cam ribs on one knife and the other knife having concentric, connected cam grooves to receive the ribs, whereby the distance between the knives may be varied from zero to maximum by rotation of one knife relative to the other the ribs and grooves providing an annular continuous contact between said knives.

2,473,953
RELIEF VALVE FOR HYDRAULIC SYSTEMS
Howard E. Huber and Matthew W. Huber, Watertown, N. Y., assignors to The New York Air Brake Company, a corporation of New Jersey
Application August 13, 1947, Serial No. 768,344
5 Claims. (Cl. 137—153)

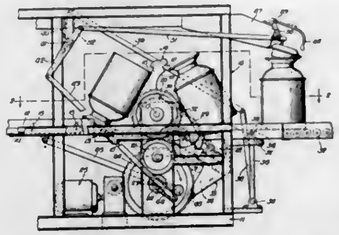


1. An unloading valve mechanism, comprising a body having a first connection for a pressure-pump discharge, a second connection for a device to which said pump normally supplies liquid under pressure, a discharge passage, and a cylindrical valve seat with ports leading respectively from the first connection and to the discharge passage; a check valve permitting one way flow from the first to the second connection; a combined piston and valve mounted in said cylindrical seat, and having a normal position in which it obstructs flow between said ports and a venting position in which it connects the same; means affording a restricted communication through which pressure in the first connection reacts on said combined piston and valve to urge it toward normal position, and a communication through which pressure in the second connection exerts an opposing force reaction, the parts being so proportioned that the valve remains in normal position when subject to the opposing forces so developed; and means responsive to excess pressure in the first connection to dissipate pressure beyond said restricted communication, whereby the combined piston and valve is caused to move to venting position.

2,473,954
TREATMENT OF ALKALI CELLULOSE
Guillaume M. A. Kayser, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application November 18, 1946, Serial No. 710,411. In Germany November 11, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 11, 1962
3 Claims. (Cl. 260—233)

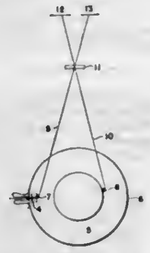
1. A process for delaying the aging of alkali cellulose which comprises aging alkali cellulose in the presence of about 0.08% of sodium trithiocarbonate, based on the weight of the alkali cellulose.

2,473,955
RECEPTACLE HANDLING APPARATUS
Ira H. Kendall, Potsdam, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del., a corporation
Application August 14, 1943, Serial No. 498,709
7 Claims. (Cl. 214—1)



3. An object inverter comprising, in combination, a rotatable object inverting cradle having a plurality of object holding means, means for rotating said cradle through a cycle of loading and unloading stations, a rotatable discharge cradle, means for rotating said discharge cradle in synchronism with said inverting cradle, said discharge cradle having a plurality of object receiving means for receiving and discharging inverted objects from said inverting cradle, said rotatable object inverting cradle and said rotatable discharge cradle each being rotatable through arcs of 360 degrees.

2,473,956
STEREOSCOPIC X-RAY PICTURES WITH BETATRON
Donald W. Kerst, Urbana, Ill., assignor to the United States of America as represented by the Secretary of the Navy
Application May 29, 1946, Serial No. 672,982
6 Claims. (Cl. 250—65)



1. In a magnetic induction accelerator for charged particles having an acceleration chamber, means for injecting two beams of particles into said chamber, and means including targets spaced substantially on a diameter operable to intercept said beams, one of the targets being on the inner wall of the chamber and one being on the outer wall of the chamber.

2,473,957
HAIR CURLING DEVICE
Etta E. King and Domenic P. Tata, Leominster, Mass.
Application December 29, 1947, Serial No. 794,234
6 Claims. (Cl. 132—41)

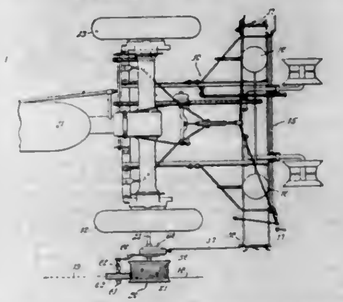


6. A hair curling device comprising an elongated body having a slot at one end to receive a strand of hair close to the scalp, a rotatable member at the other end of the body, an open groove in the member, said groove being closed by association with the body, a pin on the groove, and a hold-down finger having a bifurcated portion receiving the member, the pin connecting the legs forming the bifurcated portion, and a pair of oppositely extending lips on opposite sides of the member, said lips together being wider than the distance between the bifurcation legs and forming a snap holding device therefor.

2,473,958
BLACK GLASS AND METHOD OF MAKING
Norbert J. Kreidl, Rochester, N. Y., assignor to Monsanto Chemical Company, a corperation of Delaware
No Drawing. Application April 5, 1943, Serial No. 481,881
8 Claims. (Cl. 106—52)

1. A glass containing about 0.05% to about 1% by weight of colloidally dispersed iron phosphides which impart a black color thereto, said phosphides of iron containing between 15% and 25% of phosphorus.

2,473,959
REEL DRIVE FOR PLANTERS
George M. Kriegbaum and Clarence C. Haas, Richmond, Ind., assignors to International Harvester Company, a corporation of New Jersey
Application August 21, 1944, Serial No. 550,406
3 Claims. (Cl. 111—44)

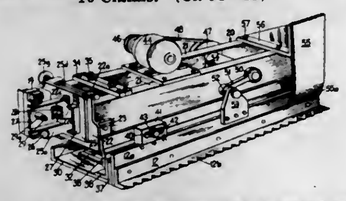


3. For use with a tractor having a transverse rear axle and rear drive wheels, a planter having a transverse frame extending laterally outwardly beyond said drive wheels, a transverse shaft detachably secured at one end to one of said drive wheels for coaxial rotation therewith, a check-wire reel freely rotatable on said shaft adjacent its outer end, a gear housing journaled on said shaft in substantially longitudinal alinement with the end of said planter frame, gearing on said shaft, step-up gearing in said housing meshing with the gearing on said shaft, pinion means on said shaft drivingly connecting said step-up gearing and said reel, means for optionally disabling the driving connection between said gearing and said reel, and means connecting said gear housing with said planter frame to prevent rocking movement of said housing.

2,473,960
SILICATE-TITANATE PHOSPHORS
Ferdinand Anne Kröger, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
No Drawing. Application January 14, 1946, Serial No. 641,182. In the Netherlands November 16, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 16, 1962
9 Claims. (Cl. 252—301.6)

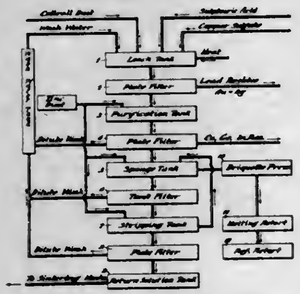
1. A crystalline luminescent material consisting of titanium activated silicates in the form of silicate-titanates and consisting of the fired reaction product of silicon dioxide, titanium dioxide and an oxide of metal of the group consisting of calcium, strontium, cadmium, sodium, and lithium, the constituent oxides of said silicate-titanates being in the ratios in gram molecules $x:(y+z)$ between about 2:1 to about 1:5 and $z:y$ between about 1.5:1 to about 1:100 wherein x represents the said metal oxide component, y represents the silicon dioxide component and z represents the titanium dioxide component.

2,473,961
MACHINE OR APPARATUS FOR SURFACING ROADS
Obert G. Mandt and Arnold S. Millikin, Columbus, Ohio, assignors to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application November 27, 1944, Serial No. 565,306
10 Claims. (Cl. 94—45)



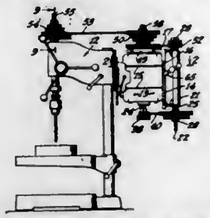
1. In a road-surfacing machine, a screed unit, said screed unit including a dead screed member extending transversely of the machine, side form plates carried by said screed unit and disposed at the ends of said dead screed member, a compacting and cut-off bar supported on said screed unit at the forward side of said dead screed member within said side form plates for engaging and compacting material into which said screed unit is crowed before the material reaches said dead screed member, said compacting and cut-off bar being supported on the screed unit for reciprocating movement thereof lengthwise of the dead screed member and transversely of the machine whereby to contact material into which the bar is crowded and compact and cut it off at a desired level, said bar being of less length than the space between said side plates so as to permit the reciprocation thereof but traversing substantially the full length of such space in its reciprocations, and means carried by the machine and operatively connected to said bar for reciprocating said bar relative to said dead screed member between said side form plates.

2,473,962
PROCESS FOR RECOVERING CADMIUM
Frank G. McCutcheon, Henryetta, Okla., assignor to The Eagle-Picher Company, a corporation of Ohio
Application December 1, 1944, Serial No. 566,216
2 Claims. (Cl. 75—115)



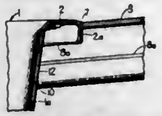
1. In a process for recovering cadmium from a cadmium containing smelter fume, the steps of digesting the fume with dilute aqueous sulphuric acid, adjusting the amount of sulphuric acid in the solution formed to approximately 8 to 12 grams per liter, converting the cadmium sulphide present to a soluble condition by adding thereto cupric sulphate, removing cupric sulphide formed by the reaction of said cupric sulphate with any sulphides present, precipitating the copper and any indium and germanium which may be present with just sufficient zinc to accomplish the precipitation, removing the precipitates, adjusting the acid content of the solution to approximately 12 to 15 grams of sulphuric acid per liter, and then precipitating the cadmium by the addition of zinc.

2,473,963
SPEED SELECTION UNIT
Robert E. McKelvey, Los Angeles, Calif.
Application February 28, 1948, Serial No. 12,099
14 Claims. (Cl. 74—217)



1. A device to be mounted on a motor to enable varying speeds to be obtained from the motor comprising a bracket means adapted to be applied to the motor, a countershaft rotatably supported by the bracket means so as to have its axis parallel to the rotor shaft of the motor, outside splines provided adjacent each end of the countershaft, sheaves slidable over and mountable on the splines, the sheaves adjacent one end of countershaft receiving power from one end of the rotor shaft, the sheaves on the other splined section transmitting power from the countershaft to sheaves rotatable about the other end of the rotor shaft.

2,473,964
HANDLE FOR COOKING UTENSILS
Walter B. Moore, Coshocton, Ohio, assignor to The Moore Enameling & Manufacturing Company, West Lafayette, Ohio, a corporation of Ohio
Application October 24, 1946, Serial No. 705,435
5 Claims. (Cl. 16—110)



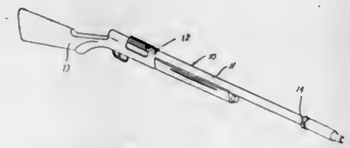
1. In combination, a utensil comprising a hollow body portion made of metal, said body portion having an outwardly projecting reinforcing bead on its edge, a metal handle welded to the body portion, said metal handle having its inner end notched so as to form an attaching edge which fits around and engages the outer part of said bead and laterally spaced substantially horizontal lugs which project beneath the bead and engage the side wall of the body portion, said engaging portions of said handle and body portion being welded together.

2,473,965
SELF-SUPPORTING AERIAL ELECTRIC CONDUCTING CABLE
James J. Morrison and Alfred L. Duna, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application January 8, 1947, Serial No. 720,772
5 Claims. (Cl. 174—70)



1. An article of manufacture of the character herein shown and described comprising a relatively high tensile strength flexible tenuous supporting element, and an externally accessible, substantially co-extensive insulated electrical conductor having respective helical portions of right and left hand lay loosely surrounding said element and respective tie members binding said conductor to said element at the regions where the directions of said lays change.

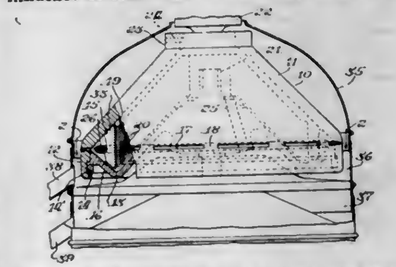
2,473,966
QUICK-CHANGE GUN SIGHT
Wilbert E. Olson, St. Paul, Minn.
Application June 16, 1948, Serial No. 33,279
3 Claims. (Cl. 33—47)



1. A sighting piece adapted to be connected to a gun barrel comprising a grooved bottom face adapted to fit the top of the gun barrel, a transverse slot elevated from the bottom face and extending from one side of the piece to the other, a screw adapted to be fitted into the top of the barrel and having a head adapted to enter the transverse slot and extend from the opposite sides of the piece whereby the screw can be turned from the opposite sides thereof, and said piece having a narrow slot extending from one side of the piece for receiving the screw shank.

2,473,967
SPEED CONTROLLED CENTRIFUGAL VALVE
John R. Orelind, Wilmette, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 9, 1947, Serial No. 747,042
6 Claims. (Cl. 137—140)

1. A centrifugal valve structure including a rigid ring adapted to be positioned for rotation about its own axis, a radially outwardly extending annular resilient expansible member connected to said ring, said expansible member having an annular resilient web portion connecting it to the ring and a substantially larger annular resilient sealing member connected to the outer periphery of said web portion, said sealing member being adapted to be positioned adjacent to and inwardly from an annular discharge opening, said resilient sealing member being arranged and constructed to expand outwardly under the influence of centrifugal force during rotation of



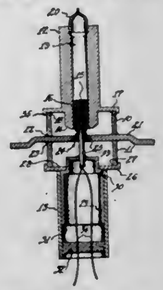
said ring thereby sealing the annular discharge opening.

2,473,968
CORNEAL TREPHINE
Richard Townley Paton, New York, N. Y.
Application November 15, 1946, Serial No. 710,081
8 Claims. (Cl. 128—310)



1. A corneal trephine of the kind described comprising in combination a hollow, cylindrical end section having a knife edge, a handle spaced from the hollow end section, an adjustable stop associated with said hollow, cylindrical end section, and means for positioning the stop at different distances from the knife edge.

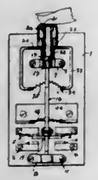
2,473,969
ULTRA HIGH FREQUENCY ELECTRON DISCHARGE DEVICE
Nicholas E. Prysiak, Florham Park, and Kenneth M. McLaughlin, Summit, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 28, 1947, Serial No. 737,890
9 Claims. (Cl. 250—27.5)



1. An ultra-high frequency electron discharge device having an envelope, electrodes of tubular form coaxially disposed in said envelope, and lead structures for said electrodes, two of said lead structures including respectively two opposite ends

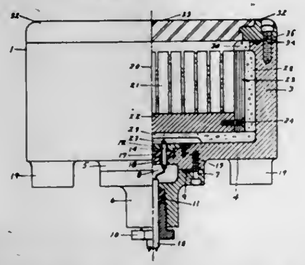
of said envelope and having smooth external surfaces for connection to a concentric line, one of said lead structures being integral with one of said electrodes, another of said lead structures comprising a conducting plate having an aperture therein, said aperture having beveled walls, and another of said electrodes supported in said aperture and engaging said beveled walls.

2,473,970
SNAP ACTING DEVICE AND ELECTRIC SWITCH
Arthur L. Riche, Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del., a corporation of Delaware
Application August 29, 1946, Serial No. 693,738
9 Claims. (Cl. 200—76)



1. In a snap acting device, a unitary member movable between preselected positions defined by stops, a plurality of over-center snap spring mechanisms comprising transversely deflectable compression elements operative on said movable member for driving the same between said preselected positions, one of said compression elements being movable by said member through a position of unstable equilibrium to hold said member in one of said preselected positions, a second of said compression elements having a lost motion engagement with said member, and means to move said second compression element an initial amount independently of said member through an axis of maximum stress to move said member to one of said preselected positions by hammer blow snap action.

2,473,971
UNDERWATER TRANSDUCER
Donald E. Ross, Ocean Beach, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application February 25, 1944, Serial No. 523,887
1 Claim. (Cl. 181—.5)

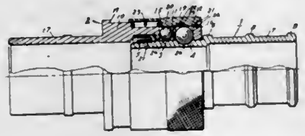


A transducer for propagating sound in fluid, said transducer comprising a housing having a recess open at one end, a metal frame closing said recess, said frame having an opening, nonmetallic material closing said opening thereby forming a sound transparent window, said nonmetallic material having an acoustic impedance substantially equal to the fluid in which the sound is to be propagated from the transducer, means securing said frame to said housing to form a fluid-tight enclosure therefor whereby said transducer can be immersed in the fluid, a unitary motor assembly within the housing facing the window, said motor assembly including a back plate on the opposite side from the window and end support members secured to the back plate, and layers of a cork and rubber mixture having a low acoustic impedance lining said recess and completely surrounding said motor assembly except at the position facing said window, said layers being snugly fitted between the back plate and support members and the housing to form the sole support for said motor unit assembly to position and maintain the same fixed within the housing relative to said window.

2,473,972
METHOD OF PRESERVING ALKYL METAL COMPOUNDS
George F. Ruddies, Chicago, Ill.
No Drawing. Application March 19, 1942, Serial No. 435,297
1 Claim. (Cl. 21—60.5)

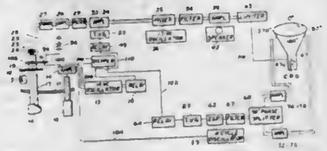
A process of stabilizing tetra-alkyl lead which comprises placing upon the surface thereof a thin relatively inert protective surface film consisting of mono-benzyl-para-aminophenol dissolved in tri-ethanolamine.

2,473,973
COUPLING
Albert T. Scheiwer, Erie, Pa.
Application May 21, 1945, Serial No. 594,932
6 Claims. (Cl. 285—169)



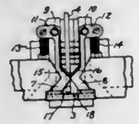
1. A coupling comprising a male member having a connecting portion with a groove, and a female member comprising a sleeve having cam retaining apertures and a groove, camming members carried by apertures in said sleeve for engaging said groove in the connecting portion of said male member to secure said male and female members together, a movable sleeve surrounding said sleeve having a groove, for locking said camming members in engagement with the groove in said male member, and a spring member disposed in the groove in said movable member adapted to engage the groove in said sleeve of said female member to lock said movable sleeve in a position to free said locking camming members and camming members in apertures of said sleeve of said female member adapted to move said spring member out of its engaging groove in said sleeve of said female member when the connecting portion of said male member is inserted into said female member.

2,473,974
UNDERWATER SOUND DETECTING AND INDICATING SYSTEM
Oscar Hugo Schuck, Belmont, Mass., assignor to the United States of America as represented by the Secretary of the Navy
Application May 18, 1944, Serial No. 536,172
12 Claims. (Cl. 177—386)



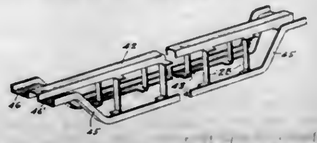
1. Apparatus for determining the bearing of a target relative to a point in a field comprising omnidirectional transducer means at said point for emitting wave energy into said field for a predetermined period, directionally sensitive transducer means at said point for scanning said field at a rate correlated with the duration period of the emitted energy to pick up an echo of said energy as reflected by said target, a representation of said field, and indicator means for sweeping said representation synchronously with operation of said scanning transducer means and to produce an indication thereon when an echo is received corresponding to the bearing of said target.

2,473,975
GAP CLOSER
Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application January 17, 1948, Serial No. 2,831
1 Claim. (Cl. 66—112)



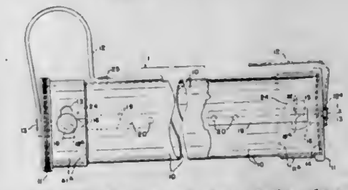
A gap closer for a latch ring of a knitting machine of the circular independent needle type, which includes opposed members operable in gate-like fashion, said opposed members normally being in resilient contact with each other to close the ring gap, said members being mounted for substantially horizontal movements in directions away from each other.

2,473,976
METALLIC STRUCTURAL ELEMENT
John C. Timm, Girard, Ohio
Application January 19, 1944, Serial No. 518,902
1 Claim. (Cl. 189—37)



A sheet metal beam element comprising a channel portion having downwardly turned flanges extending from end to end of the beam, a pair of portions, angle shaped in cross-section, said portions being transversely spaced outwardly and on opposite sides of said channel portion, each of said spaced portions comprising in cross-section an outwardly positioned vertical flange and an inwardly directed horizontal flange, the medial portion of each of said inwardly directed flanges being parallel to but spaced from said channel portion, and a plurality of vertical web elements integrally connected to said channel portion and to said medial portions, the terminal ends of said inwardly directed flanges lying in the same plane as the edges of said channel portion and integrally connected thereto, each of said angle shaped portions having a diagonally positioned part at each end of said medial portion connecting said medial portion to the terminal ends of that angle-shaped portion.

2,473,977
ENCLOSING CASE FOR FISHING RODS AND THE LIKE
Gordon N. Tutton, Auburn, N. Y., assignor to Tut, Inc., Auburn, N. Y., a corporation of New York
Application June 7, 1947, Serial No. 753,234
7 Claims. (Cl. 224—5)



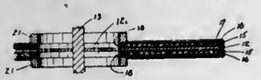
1. A portable enclosing case of the class described comprising a rigid tubular body part having cylindrical opposite end portions and open ends, two rigid and detachable end caps closing the open ends of said body part and each having a disk-like head and a cylindrical skirt projecting from said head and telescopically fitting about a different one of said cylindrical end portions of the body part, the skirt of each cap being provided with a bayonet joint slot consisting of an inner portion extending circumferentially of the cap skirt and a narrower entrance portion extending from the edge of the skirt to said inner portion of the slot and joining said inner portion of the slot adjacent one end of said inner portion, each cylindrical end portion of the body part having an aperture therein registering with said inner portion of the slot in the associated end cap, two flat spring bars within the body part each anchored adjacent one end thereof to the body part and having its opposite end free, said spring bars normally lying close to the inner surface of the body part with the free ends thereof opposite different ones of said apertures, and two bayonet joint studs extending through said apertures and each fixedly anchored at inner end to a different one of said spring bars adjacent the free ends of the bars, each stud having a portion which extends outward from its associated spring bar and is engaged in the inner part of the slot in the skirt of the adjacent end cap and is of larger cross section than the width of the entrance portion of said slot, and each stud also having a reduced portion which is normally projected outward beyond the skirt of the adjacent end cap and is of sufficiently small cross section to pass through the entrance portion of the slot.

2,473,978
CENTER DIVIDER FOR TRACTOR-MOUNTED HARVESTERS
Ernest Melville Van Buskirk, East Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 25, 1945, Serial No. 595,696
5 Claims. (Cl. 56—119)



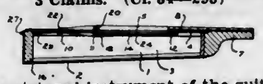
5. In a tricycle-type tractor having a narrow longitudinally extending body supported at its front by a narrow dirigible wheel structure mounted on a substantially vertical steering axis and supported at its rear by widely spaced traction wheels, a crop raising and deflecting element hingedly attached to said dirigible wheel structure on a substantially horizontal axis and extending forwardly and downwardly therefrom for closely following the ground and for engaging crops, and crop raising and deflecting element tilting means connected to the tractor spaced from the vertical steering axis and to the crop raising and deflecting element spaced from the horizontal hinging axis, said means comprising a fixed length flexible element disposed lengthwise at each side of the tractor body, said elements having their front ends connected to the deflecting element at points forwardly of the vertical steering axis and above said horizontal axis and their rear ends connected respectively at opposite sides of the tractor at points substantially to the rear of the vertical steering axis, whereby when the steering wheels are angled to one side or the other for steering the tractor and the deflecting element turns therewith, one or the other of said flexible elements depending upon the direction of steering movement is made taut and exerts a pull to raise said deflecting element automatically a substantial distance above the ground and after the tractor turn has been made and again operates on the straight-away permits the deflector to fall and return to normal crop engaging position.

2,473,979
LIQUID FILTER ELEMENT
George M. Walton, Shaker Heights, Ohio, assignor to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware
Application March 15, 1945, Serial No. 582,919
3 Claims. (Cl. 210—169)



1. A liquid filter element comprising a base member having a central opening and radially extending passageways slotted through said base member and communicating with said central opening thus providing tongues between adjacent passageways, a plurality of said tongues extending uninterruptedly across said opening to provide a bridge, filter material mounted on said base member and surrounding said opening, and there being a hole through said bridge whereby a plurality of said elements may be mounted on a rod passing through said hole.

2,473,980
GUITAR
Hugo Willner, Vancouver, British Columbia, Canada
Application February 16, 1948, Serial No. 8,543
3 Claims. (Cl. 84—295)



1. In a stringed instrument of the guitar type, a truss comprising a transversely disposed strut member extending substantially below the sound board and substantially parallel to the string supporting bridge of the instrument, said sound board having a transverse rib adjacent the neck end of the instrument and a second rib adjacent the opposite end of said instrument, a pair of tensional members extending in spaced relation between said ribs, said strut member being urged by said tensional members to support the sound board and its superposed string supporting bridge.

2,473,981
ILLUMINATED RADIO ANTENNA
Francis G. Wood, East Detroit, Mich.
Application January 21, 1946, Serial No. 642,484
1 Claim. (Cl. 240—8.1)



An illuminated radio antenna for vehicles comprising an elongated upright of translucent material, an antenna conductor mounted within said upright and extending longitudinally therealong, a bracket enclosing a lower portion of said upright, and a light source mounted within said bracket and positioned for projecting light upwardly into said upright, said bracket having a light-transmitting portion therein at the bottom thereof whereby to project light downwardly therefrom.

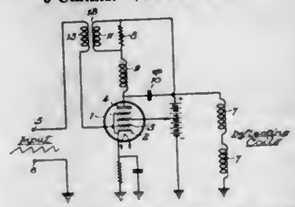
2,473,982
ELECTROMAGNETIC RELAY
Fredric E. Wood, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 23, 1945, Serial No. 630,421
3 Claims. (Cl. 200—1)

1. In a twin contact cantilever spring assembly comprising movable springs and stationary springs of approximately the same overall length, each said spring having a clamping base portion and a free end extending endwise therefrom, means for clamping said base portions of said springs in superposed relation with the free ends of said stationary springs in one plane and with the free ends of said movable springs in a different plane, said clamping means including an L-shaped insulator separating said base portions, an extension on each insulator being approximately one-half that of the overall length of such insulator and extending endwise in only the same plane as the free ends of said stationary springs to reduce the length of the free ends of said stationary springs to that of approximately one-half that of the movable springs, said movable and stationary springs thereby having long and short flexing lengths, respectively, and are confined



within a space extending endwise from and no wider than said clamping means to reduce the mounting space required for said springs, a pair of diverging branches on each movable spring near the extremity of its free end, a contact on each branch, a pair of S-shaped arms on each stationary spring near the extremity of its free end, each S-shaped arm extending from said one plane into the movable path of and into said different plane of said branches of the free ends of said movable springs, and a contact on each arm cooperating with a contact on a corresponding branch.

2,473,983
DEFLECTION CIRCUIT
Menno Wolf, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 24, 1943, Serial No. 480,360
In the Netherlands April 3, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires April 3, 1961
3 Claims. (Cl. 315—27)



1. An electric circuit arrangement comprising a discharge tube having a cathode, a control grid and an anode, means to apply a source of direct current potential to the anode, means to connect the cathode to the negative pole of said source, an inductor and a resistor connected in series with each other and in series with the positive pole of said source and said anode, a coil connected between the anode and cathode, means to apply a saw-tooth voltage between said control grid and cathode, means to derive a potential proportional to the current through said resistor, and means to superimpose in phase opposition said derived potential on the voltage applied to said control grid to produce in said coil a current variation of substantially saw-tooth wave form.

2,473,984
FUMIGANT COMPOSITION AND METHOD
Jack M. Bickerton, New York, N. Y., assignor to Innis, Speiden and Company, New York, N. Y., a corporation of Delaware
No Drawing. Application September 27, 1946, Serial No. 699,631
5 Claims. (Cl. 47—58)

4. The method for fumigating soil which includes depositing below the surface of the soil a mixture of ethylene bromide and naphtha having a flash point above about 80° Fahrenheit and not more than about 10 per cent by volume of a fraction boiling above about 400° Fahrenheit.

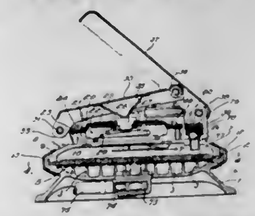
2,473,985
ELECTRICAL CONDUCTOR
Lester A. Brooks, Stamford, Vt., assignor to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts
Application February 18, 1944, Serial No. 522,884
7 Claims. (Cl. 117—128.4)



1. An electrical conductor insulated with a polymer of at least one monomeric material conforming to the following general formula:

wherein n represents an integer from 1 to 5.

2,473,986
WATER PURIFICATION UNIT
George Martin Booth, Westfield, N. J., assignor to Wallace & Tiernan Co. Inc., Belleville, N. J., a corporation of New York
Application October 18, 1945, Serial No. 623,096
5 Claims. (Cl. 210—185)



1. A water purification unit, comprising a base, a filter support carried thereby substantially concentric therewith and providing a discontinuous supporting surface and a plurality of interconnected channels and adapted to support a removable filter pad, a head having a downwardly turned peripheral flange for engaging the periphery of a filter pad, means engaging the outer peripheral portions of said base and said head to hold all the parts aforesaid in assembled relation, said head including a centrally located diaphragm pump provided with intake and outlet valves, passage means with which said intake

valve is associated to conduct water to be filtered from a source thereof to said diaphragm pump, passage means with which said outlet valve is associated for conducting water from said diaphragm pump to the space between said head and said filter pad, passage means for effluent from said unit, passage means connecting said channels to said passage means for the effluent, and compound lever actuating means for said diaphragm pump, said compound lever actuating means comprising two levers, one of which is pivoted on a substantially horizontal axis on one side of the center of the unit and has a portion arranged for contact with a central reinforced portion of said diaphragm, and the other of said levers is arranged for movement about a substantially horizontal axis on the diametrically opposite side of said unit and engageable with a portion of the first named lever remote from its pivotal axis and to be manually operated, both said levers being so constructed and arranged that manual force applied to the second named lever in substantially a vertical downward direction centrally of said pump will be multiplied by said levers and applied to the reinforced portion of said diaphragm substantially concentrically of the entire unit.

2,473,987

PROCESS OF COKING HIGH VOLATILE COAL INVOLVING INCORPORATION THEREIN OF A LIMITED AMOUNT OF BLAST FURNACE FLUE DUST

George E. Brandon, East Orange, N. J., assignor to Allied Chemical & Dye Corporation, a corporation of New York

No Drawing. Application October 23, 1945, Serial No. 624,083
2 Claims. (Cl. 202—34)

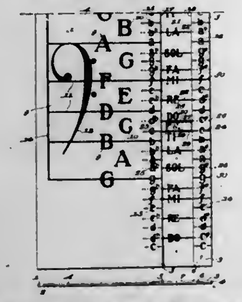
1. A process of making coke which comprises mixing approximately 80% bituminous coal containing from 27% to 38% volatiles with approximately 15% bituminous coal containing from 14% to 23% volatiles and approximately 5% blast furnace flue dust and subjecting the resultant mixture to high temperature coking.

2,473,988

DEVICE FOR TEACHING MUSIC

William H. Coleman, Washington, D. C.

Application October 25, 1946, Serial No. 705,768
8 Claims. (Cl. 84—473)



1. The combination of a chart having a plurality of columns determined by spaced horizontal lines with suitable indicia in said columns indicating notes and a column of key signatures located between said columns first named, and a slide member, means for guiding said slide member, said slide member having an opening for disclosing a key signature.

2,473,989

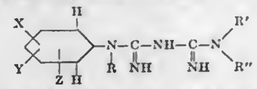
BIGUANIDE DERIVATIVES

Francis Henry Swinden Curd and Francis Leslie Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application June 19, 1947, Serial No. 755,710
8 Claims. (Cl. 260—565)

1. N^1-p-bromophenyl-N^5-isopropyl-biguanide.

4. A compound selected from the group consisting of the free base form and salts of the biguanides of the general formula:



wherein R is a radical from the group consisting of hydrogen and 1 to 3 carbon atom alkyl; R′ is a lower alkyl radical; R″ is a radical from the group consisting of hydrogen and lower alkyl, with the sum of the carbon atoms of radicals R′ plus R″ being between 1 and 8 inclusive; X and Y are radicals from the group consisting of hydrogen, halogen and 1 to 3 carbon atom alkyl, and Z is a radical of a halogen atom of atomic weight greater than chlorine.

2,473,990

MANUFACTURE OF HALOGENATED AROMATIC COMPOUNDS

John L. Darragh, Berkeley, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 22, 1945, Serial No. 623,870
18 Claims. (Cl. 260—650)

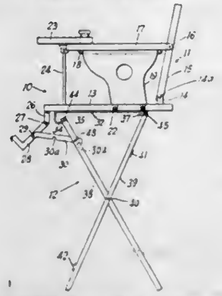
1. The method of chlorinating the benzene nucleus of an aromatic compound of the benzene series that comprises causing said aromatic compound to react in the liquid phase with chlorine in the presence of a magnesium-iron-aluminosilicate catalyst.

2,473,991

BABY HIGH CHAIR

Benjamin Felsher, New York, N. Y.

Application July 21, 1945, Serial No. 606,432
12 Claims. (Cl. 155—127)



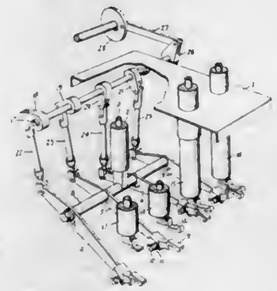
1. A collapsible baby chair having the combination of a seat, a back, side arms, and side walls, said back being pivoted to said seat for collapsing to inoperative state, said side arms being pivoted to said back to swing from operative condition to a position in alignment with said back, said side walls being pivoted to said arms to swing from an operative condition to a position against said back when said side arms are in alignment with said back, and means to lock said side walls to said seat when the chair is in operative condition.

2,473,992

ELECTRIC SWITCH

John Fowler, Stockport, England, assignor, by mesne assignments to General Electric Company, a corporation of New York

Application September 6, 1946, Serial No. 695,184
In Great Britain August 1, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 1, 1965
1 Claim. (Cl. 200—5)



An electric switch comprising, in combination, an electrical conducting shaft, four spaced parallel electrical conducting arms pivotally mounted on said shaft, a separate movable contact pivotally mounted on an end of each arm, four insulated fixed contacts for cooperation respectively with said movable contacts, separate springs for biasing each movable contact toward its cooperating fixed contact, a crank shaft having four angularly displaced crank arms, said crank shaft being parallel to said conducting shaft, connecting rods respectively interconnecting said crank arms and said electrically conducting arms, a freely rotatable shaft mounted parallel to said crank shaft, a driving member fixed on said freely rotatable shaft and having a given radius, a fifth crank arm attached to said crank shaft and having a longer radius than said driving member, a connecting rod between said driving member and said fifth crank whereby continued rotation of said freely rotatable shaft in either direction will cause oscillatory rotation of said crank shaft through a predetermined angular range which is substantially less than 360 degrees, the angular displacement of said four crank arms relative to each other and to said fifth crank being such that at one end of said angular range of oscillatory rotation two of said movable contacts engage their cooperating fixed contacts with one of said movable contacts turned about its pivotal mounting against the force of its spring further than the other one and with the other two movable contacts separated from their respective fixed contacts, while at the other end of said range said other two movable contacts engage their respective fixed contacts with one of said other two movable contacts turned about its pivotal mounting against the force of its spring further than the other one and with the first two movable contacts separated from their respective fixed contacts, while at the middle of said range the two movable contacts which are respectively turned furthest about their pivotal mountings at the opposite ends of said range each engage their respective fixed contacts and the remaining two movable contacts are out of engagement with their respective fixed contacts, and an electrical terminal for said switch connected to said electrical conducting shaft.

2,473,993

SYNTHESIS OF METAL CARBONYLS

William F. Gresham, Wilmington, and John V. E. Hardy, Bellevue, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 16, 1948, Serial No. 2,813
9 Claims. (Cl. 23—203)

2. In a process for the synthesis of metal carbonyls the step which consists in forming a metal carbonyl of the class consisting of nickel carbonyl and cobalt carbonyl by reacting a metal salt of an organic carboxylic acid, said metal being a member of the class consisting of nickel and cobalt, with carbon monoxide and hydrogen at a pressure of 50 to 3000 atmospheres and a temperature of 100° to 375° C. in the presence of an organic solvent for the said metal carbonyl.

2,473,994

1,3-DIOXOLANE POLYMERS

William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 4, 1945, Serial No. 609,037
8 Claims. (Cl. 260—615)

1. A process for producing polymers having 1,3-dioxolane residues (—$OCH_2OCH_2CH_2$—) and linear formal residues (—OCH_2O—) there being present at least three of the residues, at least two of which are 1,3-dioxolane residues and at least one is a linear formal residue, which consists in subjecting at least two moles of 1,3-dioxolane per mole of a linear formal to polymerization by mixing together in the presence of an acid catalyst.

2,473,995

SYNTHESIS OF DIETHYL KETONE

William F. Gresham, Lindamere, Richard E. Brooks, Edgemoor Terrace, and William E. Grigsby, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 19, 1946, Serial No. 677,922
5 Claims. (Cl. 260—597)

1. A process for the synthesis of diethyl ketone which comprises heating a mixture of ethylene, carbon monoxide, and hydrogen containing initially more than one mol of ethylene per mol of hydrogen and having an initial $CO:H_2$ molal ratio of from about 5:1 to 20:1 at a reaction temperature of about 50° to 350° C. in the presence of a cobalt catalyst under a pressure of 325 to 1500 atmospheres, and thereafter separating diethyl ketone from the resulting reaction product.

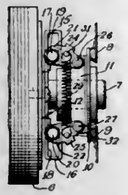
2,473,996
POLYMERS FROM ETHYLENE AND BRANCHED CHAIN VINYL ESTERS
William E. Hanford, Easton, Pa., and John R. Roland and Walter E. Mochel, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 6, 1944, Serial No. 543,732
9 Claims. (Cl. 260—87.3)

1. A polymer of ethylene and a vinyl ester of a carboxylic acid, said carboxylic acid having from 5 to 10 carbon atoms per molecule, and being a member of the class consisting of (1) acids in which the carbon atom of the carboxyl group is attached directly to a carbon atom of a monovalent hydrocarbon radical, said carbon atom having at least two of its remaining valences satisfied by carbon atoms, and (2) acids in which the carbon atom of the carboxyl group is attached through a methylene group to a carbon atom of a monovalent hydrocarbon radical, said carbon atom having at least two of its remaining valences satisfied by carbon atoms, said polymer containing from 1 mole per cent ethylene and 99 mole per cent of the said vinyl ester to 99 mole per cent ethylene and 1 mole per cent of the said vinyl ester.

2,473,997
PARTIAL REDUCTION OF POLYCYCLIC AROMATIC HYDROCARBONS
Virgil L. Hansley, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 26, 1947, Serial No. 757,317
10 Claims. (Cl. 260—667)

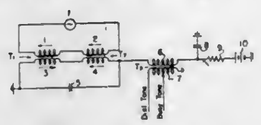
1. A process for the production of 1,4-dihydronaphthalene comprising reacting naphthalene with an alkali metal and a tertiary aliphatic alcohol at a temperature not exceeding 110° C., employing at least 2 atoms of said metal per mole of naphthalene and at least 1 mole of said alcohol per atom of said metal.

2,473,998
CENTRIFUGAL SWITCH
John T. Janette, Kenilworth, Ill., assignor to Janette Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 2, 1945, Serial No. 586,168
1 Claim. (Cl. 200—80)



In a device of the character set forth, the combination with a rotatable member and a shaft therefor, of a base plate adapted to be fixed to the rotatable member and having outwardly extending branches with box-like guideways having broad flat engaging surfaces for the weights, cylindrical, weights extending through said guideways, pairs of connected links pivotally connected with the respective weights, an insulating collar slidably mounted on the shaft and pivotally connected with the pairs of links, a contact ring carried by said collar, pins through the respective pairs of links, springs extending between the pins tending to draw the weights inwardly, the arrangement being such that the inner ends of the guideways serve as stops for the weights when drawn inwardly by the springs and the contact ring will be in closed position with the center lines of the links at a small angle to the axis of the shaft and when the weights move outwardly under the influence of centrifugal force, the contact ring will be moved to open position and the base plate will act as a stop for limiting the inward movement of the collar.

2,473,999
STATIC FREQUENCY CHANGER
Roy W. Jones, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 26, 1947, Serial No. 757,163
3 Claims. (Cl. 172—281)

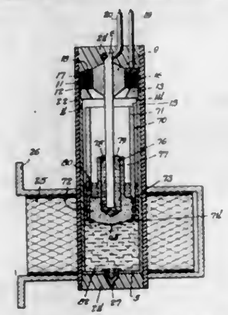


3. In a frequency multiplier, a pair of transformers, a source of alternating current, a source of direct current, an output transformer, a circuit including the alternating current source and the primary windings of said pair of transformers, a second circuit including the secondary windings of said pair of transformers, the primary of said output transformer, and said direct current source, said secondary windings connected in series opposition in said second circuit so that the cores of said pair of transformers are oppositely magnetized by the direct current flowing in said second circuit, a condenser in shunt to the secondary windings of said pair of transformers to time said second circuit to a harmonic of the frequency of the alternating current source, and an output circuit including the secondary winding of said output transformer.

2,474,000
ELECTROMAGNETIC MERCURY RELAY
John P. Keating, Elkhart, Ind., assignor to Durakool, Inc., Elkhart, Ind., a corporation of Indiana
Application April 6, 1946, Serial No. 660,031
10 Claims. (Cl. 200—112)

1. A mercury relay comprising a pair of electrode means insulated from each other with one of said electrode means having contacting engagement with a first body of mercury for said relay, plunger means open at the upper end thereof adapted to be normally supported in floating relation in said first body of mercury for supporting a second body of mercury in insulated relation with respect to said first body of mercury and in contacting engagement with the other of said electrode means, coil means adapted when energized to attract said plunger means to submerge the latter in said first body of mercury and thereby effect engagement thereof with said second body of mercury through the open upper end of said plunger means providing quick making of a circuit between said pair of electrode means, and said plunger means having metering

means between said bodies of mercury through which mercury within said plunger means is returned to said first body of mercury for effecting

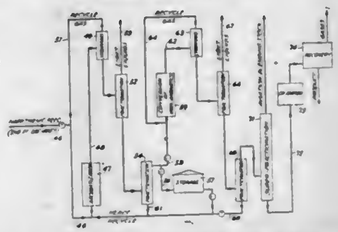


a time delay in disengaging of said first body of mercury from said second body of mercury upon de-energization of said coil means and with said plunger means in its normal position.

2,474,001
OXIDATION OF ORGANIC COMPOUNDS
Irving E. Levine, Berkeley, Calif., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 30, 1945, Serial No. 596,644
13 Claims. (Cl. 260—342)

13. A process for the production of partial oxidation products which comprises oxidizing a vaporized hydrocarbon of the benzene series selected from the group consisting of benzene, toluene and xylene with an oxygen-containing gas, said oxygen-containing gas being present in amounts greater than the stoichiometric amounts required to produce said desired partial oxidation products, in the presence of a catalyst comprising vanadium metal with an indigenous coating of avanadium oxide.

2,474,002
PROCESS OF PRODUCING DICARBOXYLIC ACID ANHYDRIDES
Irving E. Levine and William H. Claussen, Berkeley, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application May 30, 1945, Serial No. 596,646
10 Claims. (Cl. 260—342)



1. In a process of producing phthalic anhydride and an improved hydrocarbon stock having enhanced properties as a blending agent in aviation gasolines, the steps which comprise treating an aromatized mixture of petroleum hydrocarbons consisting essentially of an equilibrium mixture of alkyl benzenes boiling within the range of from about 250° to about 300° F. to separate an alkyl benzene fraction boiling within the range of from about 275° to about 285° F. and an alkyl benzene fraction boiling within the range of 285° to about 300° F., said 275°–285° F. fraction of alkyl benzenes being characterized by an aviation gasoline blending action superior to that of said equilibrium mixture of alkyl benzenes and said 285°–300° F. alkyl benzene fraction containing at least about 70% by volume of phthalic anhydride convertible alkyl benzenes, oxidizing said last alkyl benzene fraction to phthalic anhydride and over-oxidizing inconvertible hydrocarbons therein at least to the point of ring rupture by passing said last fraction in vapor phase over a vanadium oxide catalyst at a catalyst temperature of from 800° F. to 1175° F. and separating said phthalic anhydride from said over-oxidized components.

2,474,003
STABILIZED BRIEF CASE
Lewis Lifton, New York, N. Y.
Application December 30, 1948, Serial No. 68,159
2 Claims. (Cl. 150—1.6)



1. In a brief case, spaced panels, a gusset interposed between said panels and secured thereto, upper and lower U-shaped telescoping frames secured to the upper margins of said panels and gusset and embodying upper and lower reaches and including depending side portions having their lower ends pivotally connected, and a one-piece keeper having an upper U-shaped component defining a relatively deep channel facing rearwardly for receiving substantially the entire width of said upper reach and including an oppositely facing depending lower U-shaped component integral with and disposed closely under said upper reach and in part extending rearwardly and appreciably beyond said lower component and having an upper downwardly and rearwardly uninterrupted member common to said upper component and including a downwardly and forwardly sloping lower member diverging away from said upper member and defining therewith a rearwardly contracted forwardly facing channel for removably and in part closely receiving said lower reach on closing of said frames to prevent vertical separation of said lower reach away from said upper reach.

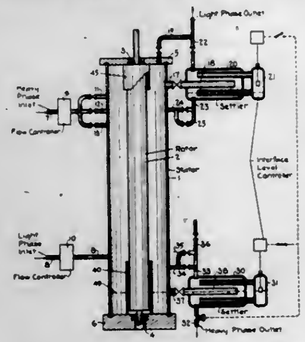
2,474,004
PROCESS FOR THE PREPARATION OF ETHYLENEUREA
Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application March 1, 1944, Serial No. 524,520. Divided and this application April 15, 1947, Serial No. 741,679
4 Claims. (Cl. 260—309)

1. In a process for the preparation of ethyleneurea from ethylene glycol and urea the steps which comprise discharging, into water and without cooling the reaction product, obtained by heating a reaction mixture containing ethylene glycol and urea, the ethylene glycol being in excess, to a temperature between 150 and 250° C. and under a pressure in excess of 5 atmospheres, heating the resulting mixture to a temperature between 200 and 300° C., and subsequently recovering ethyleneurea therefrom.

2,474,005
2-ACETOXYBENZYL ACETYLSALICYLATE
Gustav J. Martin and Harold Urist, Philadelphia, Pa., assignors to The National Drug Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application January 14, 1947, Serial No. 722,079
2 Claims. (Cl. 260—474)

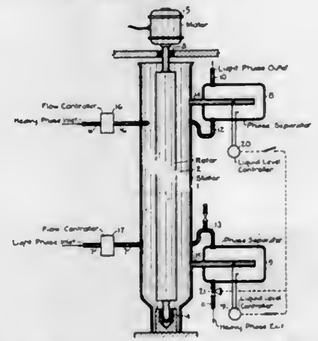
1. A process which comprises reacting acetyl saligenin with acetyl salicyloyl chloride in the presence of pyridine, and separating the resulting 2-acetoxybenzyl acetylsalicylate from the reaction mixture.

2,474,006
ROTARY CONTACTOR FOR FLUIDS
Russel L. Maycock, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application April 11, 1949, Serial No. 86,841
15 Claims. (Cl. 261—83)



1. In combination, a rotary contactor comprising as elements thereof a housing and a core within said housing, said housing and core being spaced apart to provide an elongated annular contact zone between the inner surface of the housing and the outer surface of the core and being rotatable one with respect to the other, said contactor structure being adapted to disperse one fluid within another by imposing shearing stress on fluids between said surfaces, and a pair of radially spaced walls at one end of the contact zone having opposing surfaces with radii substantially equal to the radii of said housing and core, respectively, at least one of said walls being mounted to permit relative rotation between itself and the contactor element of substantially equal radius, providing an annular stilling space between said walls.

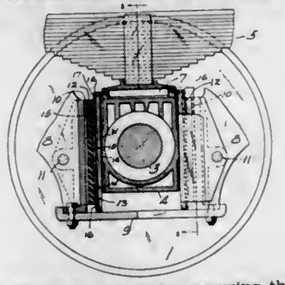
2,474,007
METHOD OF AND APPARATUS FOR CONTACTING FLUIDS
Russel L. Maycock, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 21, 1945, Serial No. 600,796
21 Claims. (Cl. 261—83)



1. A method of contacting a plurality of fluid substances forming a heterogeneous mixture when in contact, at least one substance being a liquid, comprising the steps of subdividing one of said substances into small particles, thereafter dispersing the resulting particles in another of said substances, effecting contact between the dispersed particles and the said other substance by flowing the dispersed particles through an elongated annular contact zone bounded by surfaces of revolution and formed between a housing and a core within said housing, and maintaining said particles in a subdivided state and dispersed in said other substance while flowing through said contact zone by developing shearing forces in the fluid mixture in said annular contact zone, said shearing forces being developed by providing rapid rotational movement between said housing and core.

2,474,008
RAILWAY TRUCK PEDESTAL LINER
William H. Meyer, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application August 11, 1944, Serial No. 549,022
15 Claims. (Cl. 105—225)

1. A railway vehicle pedestal liner comprising an inner plate arranged for application to the journal box-opposing face of a pedestal leg, a pad of rubber-like material having one side surface bonded to said plate, an outer plate bonded to the other side surface of said pad and having portions extending beyond the upper and lower ends of said pad, a wear plate mounted on said outer plate, said outer plate and wear plate having elements abutting each other transversely of the general plane of the plates to prevent relative movement therebetween and to transfer thrusts between them applied in directions parallel to said plane, and means securing the wear plate to said portions of the outer plate at points spaced from said pad.



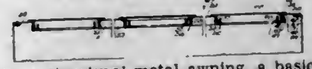
2,474,009
OIL FILTER AND PUMP COMBINATION
Cecil Patrick Molyneux, Hampton Bays, N. Y., assignor to Filtors, Incorporated, Long Island City, N. Y., a corporation of New York
Application June 2, 1948, Serial No. 30,649
6 Claims. (Cl. 103—202)

1. In an apparatus for pumping and filtering oil including an oil pump, and an oil filter mounted on the pump, the improvement which comprises an oil pump having a flat cylindrical pumping chamber, a pair of cooperating pumping elements mounted in and substantially fitted in said chamber from end to end, means for driving said elements, oil supply and oil discharge chambers spaced from each other in the end wall of the pumping chamber behind the pumping elements, an oil filter having a mounting plate attached to said pump and constituting the other end wall of the chamber, said plate overlying the pumping elements and serving to enclose them in the pumping chamber, an oil inlet passageway for the filter for conducting oil from the pumping chamber, said passageway extending in said plate and having a port opening through the inside face of the plate into the pumping chamber at a position opposite a portion of the oil discharge chamber of the pump, and an oil outlet passageway for the filter for conducting filtered oil to the pumping chamber, said outlet passageway extending in said plate and having a port opening into the pumping chamber at a position opposite a portion of the oil supply chamber of the pump, said ports being arranged in said plate with respect to the pumping elements in the pumping chamber so that each port is alternately opened and closed during the operation of the pump.

2,474,010
PLASTICIZER
Latimer D. Myers and J. D. Fitzpatrick, Cincinnati, Ohio, assignors to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application July 22, 1946, Serial No. 685,369
13 Claims. (Cl. 260—398)

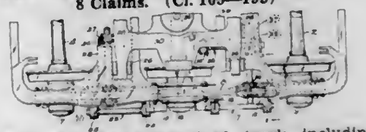
1. A new composition of matter comprising the mixed ester of an aliphatic dihydric alcohol with a fatty acid and a carboxylic aliphatic nitrile.

2,474,011
STRUCTURAL METAL AWNING
Lloyd H. Overly, Maryville, Tenn.
Application March 11, 1947, Serial No. 733,874
6 Claims. (Cl. 20—57.5)



4. In a structural metal awning, a basic supporting structure adapted to be mounted on the wall of a building, said structure including spaced up and down rails having gutters depending from at least one longitudinal edge thereof and disposed below the rails in position to catch drippings from the rail edges, and removable panels mounted between and supported by the spaced up and down rails, said panels having depending flanges extending into the gutters when the panels are in position on the structure, and means for supporting said up and down rails.

2,474,012
RAILWAY TRUCK
Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application August 30, 1944, Serial No. 551,829
8 Claims. (Cl. 105—195)



2. In a railway six-wheel truck including wheels, axles and journal boxes, equalizers extending between and supported by adjacent boxes, springs supported by portions of the equalizers spaced longitudinally of the truck from the journal boxes, a truck frame supported by said springs, each equalizer spring-supporting portion having associated therewith anchors extending from said portion longitudinally of the truck and transversely of the truck respectively, parts of said anchors remote from said equalizer portions being connected to the truck frame, the anchors holding the equalizers and truck frame against relative movement transversely and longitudinally of the truck into contact with each other.

2,474,013
TREAD LUG REBUILDING METHOD FOR TIRES
Vaughn Rawls, Lima, Ohio, assignor to Rawls Brothers Company, Lima, Ohio, a partnership composed of Vaughn Rawls and Wesley O. Lones
Application October 21, 1947, Serial No. 781,119
11 Claims. (Cl. 154—14)

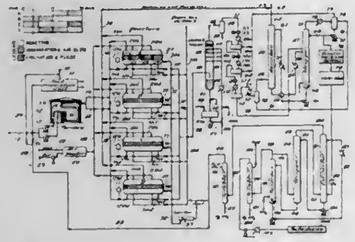
1. The method of rebuilding a worn tread lug of a rubber tire, which comprises buffing the lug

to provide it from end to end with a transverse convex curved surface, applying to said surface lengthwise of the lug a bar of rubber-like material having its inner surface substantially the width of said lug surface and transversely curved in concave form with its curve of shorter radius than that of the lug curve, the curved surfaces of the lug and bar being coated with an adhesive material, one of said surfaces having a



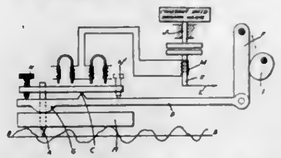
strip of sheet-like non-adhesive material over each side edge portion to provide the adhesive surface with an exposed longitudinally extending central portion, applying inward pressure to the bar to cause adherence of said surfaces between said strips, withdrawing the strips from between said surfaces to permit adherence of the surfaces separated thereby, and subjecting the rebuilt lug to a curing treatment.

2,474,014
CATALYTIC CONVERSION SYSTEM
James E. Seebold, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application January 30, 1943, Serial No. 474,120
9 Claims. (Cl. 260—680)



1. In a hydrocarbon conversion process wherein a hydrocarbon charging stock stream is heated to conversion temperature and passed in vapor form through a zone of small cross-sectional area to at least one on-stream reaction zone of large cross-sectional area while at least one other reaction zone is not on-stream, wherein each of the reaction zones contains a large hot mass of particles of catalytically inactive heat retention material with particles of solid catalyst material substantially uniformly distributed therein and said stream is passed through said mass under conditions for effecting endothermic conversion by heat absorbed from said mass and a consequent temperature drop in said mass accompanied by the deposition of a combustible deposit therein, and wherein the catalyst in said mass is regenerated by combustion of said deposit with an air stream and subsequently purged during an interval when the zone is not on-stream, the regeneration liberating heat for absorption in said mass and causing the temperature of the outlet side of said mass to become higher than the temperature of the inlet side thereof and there normally being a change in the temperature patterns in the line of flow through the mass with portions thereof getting hotter and hotter as these operations are repeated from cycle to cycle so that there is a tendency toward the development of at least one hot spot in an intermediate portion of said mass, the improved method of operation which comprises periodically blowing each mass immediately after the regeneration and before the purging thereof, employing in the blowing step a hot blow gas having an inlet temperature of about the desired conversion temperature, introducing the blow gas at the low temperature side of said mass, employing an amount of blow gas such that the product of its weight multiplied by its specific heat is substantially less than the product of the weight multiplied by specific heat of the mass of heat retention material and catalyst in the zone undergoing the blowing step and sufficient to remove the highest portions of temperature patterns in the mass with said blow gas but insufficient to impart a substantially uniform temperature across the bed throughout its entire mass, employing a sufficient number of zones so that conversion, regeneration, blowing and purging may be effected continuously and continuously fractionating products of the conversion.

2,474,015
INSTRUMENT FOR THE MEASUREMENT OF SURFACE FINISHES
Harry Shaw, Healy, Whitworth, Rochdale, England
Application February 14, 1945, Serial No. 577,808
In Great Britain January 22, 1945
4 Claims. (Cl. 73—105)

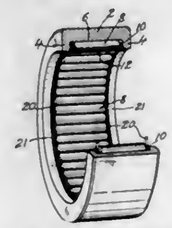


1. A device for determining the roughness of a surface having peaks and valleys comprising a support adapted to rest upon the peaks of said surface, means for traversing said support over said peaks of said surface, a stylus for engaging said surface carried by said support and movable relative thereto in a direction normal to the plane of movement of the support, means actuated by movement of the stylus relative to the support independently of the extent of such movement, and means for summating the periods of such actuation.

2,474,016
ROLLER BEARING ASSEMBLY
Sydney Smith, Lawrenceville, N. J.
Application May 16, 1945, Serial No. 593,995
2 Claims. (Cl. 308—213)

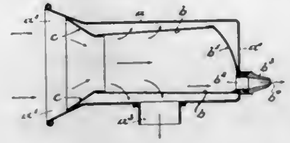
1. A roller bearing assembly comprising a race ring, radially extending flanges located on opposite sides of said race ring, a complement of rollers engaging said race ring, each of said rollers having a bearing surface and reduced end portions of a cylindrical shape joined to the bearing surface by an arcuate surface terminating in a radial shoulder, and two spring rings of a circular cross section, one of which is positioned adjacent each of the two opposite ends of said rollers, and engaging said reduced end portions and urging the rollers toward the race ring to prevent radial displacement of the rollers, said

spring rings being of less diameter in cross section than the radial distance between the surface



of said cylindrical end portions and said bearing surfaces of the rollers and being located between said radially extending shoulders and said flanges.

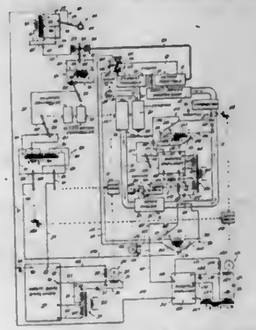
2,474,017
AIR CLEANER FOR CARBURETORS
Ellis Smith and Norris Crabtree, Bradford, Sydney Naylor, Wibsey, Bradford, and Harold James Maw, Guiseley, England
Application March 21, 1946, Serial No. 656,066
In Great Britain July 26, 1945
5 Claims. (Cl. 183—38)



1. A primary air admission device for a motor carburetor comprising in combination a closed casing; an inlet opening in said casing for the air to be admitted to said motor carburetor; a first outlet opening in said casing adapted to be connected to said motor carburetor; a filter member within said casing through which the air is forced to pass on its way from said inlet opening to said first outlet opening; a second outlet opening in said casing leading into the space surrounding said casing; and an unobstructed outlet opening in said filter member through which a portion of the air passing through said casing might reach without obstruction said second outlet opening in said casing, carrying any grit or dirt contained in the air admitted through said inlet opening directly into the space surrounding said casing.

2,474,018
SUPERCHARGER COMPRESSION TEMPERATURE CONTROL SYSTEM
Hubert T. Sparrow, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 28, 1945, Serial No. 590,819
12 Claims. (Cl. 60—13)

1. In combination, an internal combustion engine having an intake manifold, a compressor for supplying air under pressure to said manifold, a cooler for removing the heat of compression, a throttle for regulating the flow of air from said compressor to said intake manifold, and means responsive to a continuing reduction in the temperature of the air for first reducing the cooling

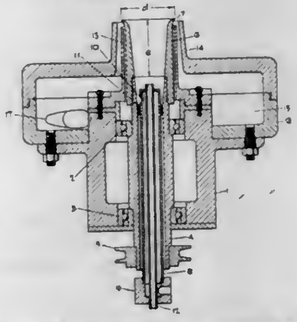


effect of said cooler and then increasing the throttling action of said throttle.

2,474,019
STABILIZER FOR ICINGS
Arnold B. Steiner, La Jolla, and Lloyd B. Rothe, San Diego, Calif., assignors to Kelco Company, San Diego, Calif., a corporation of Delaware
No Drawing. Application March 10, 1947, Serial No. 733,732
30 Claims. (Cl. 99—139)

1. An additive for bakery icings, comprising: an edible hydrophilic colloid together with a surface active agent selected from the group consisting of the sorbitan esters of the higher fatty acids, the polyoxyethylene derivatives of said esters and of stearic acid, and the sodium sulfoacetates of the mono- and diglycerides of the higher fatty acids.

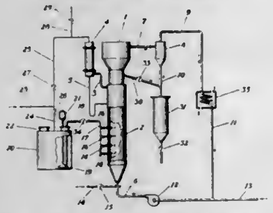
2,474,020
LIQUID FUEL BURNER WITH ROTATABLE ATOMIZING CUP
Hendrik K. J. van den Bussche, Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 11, 1947, Serial No. 753,845
In the Netherlands June 25, 1946
4 Claims. (Cl. 158—77)



1. A burner for liquid fuel comprising a rotatable atomizing cup having a continuous highly

polished inner surface widening toward the front, a tubular shaft secured to and extending rearwardly from said cup, means for rotating said shaft and cup at a high velocity, an oil supply pipe within said tubular shaft, closed at its forward end and provided with an orifice near said forward end, and an air supply conduit within said oil supply pipe having its intake in communication with the atmosphere outside of the burner and having its discharge end forwardly of said oil supply pipe and substantially axially with respect to the atomizing cup.

2,474,021
PRODUCTION OF METAL COMPOUNDS
William H. Vining, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 17, 1948, Serial No. 2,832
8 Claims. (Cl. 23—184)



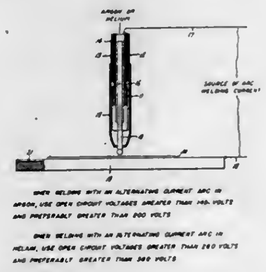
1. The process for production of sodium hydride which comprises passing a stream of hydrogen upwardly through a mass of finely divided sodium hydride at a velocity sufficient to create and maintain a solid-in-gas dispersion substantially without transporting said mass in the out-flowing gas stream and introducing molten sodium into said dispersion, while maintaining the temperature of said dispersion between the melting point of sodium and the decomposition point of said hydride.

2,474,022
METHOD OF PURIFYING PTEROYL-GLUTAMIC ACID
Coy W. Waller, Pearl River, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 5, 1946, Serial No. 701,393
9 Claims. (Cl. 260—251)

1. A method of separating pteroylglutamic acid from related pterins which comprises the steps of dissolving pteroylglutamic acid in an aqueous solution of a strong acid having a normality of at least about 2 N and thereafter diluting the solution with water whereupon pteroylglutamic acid is precipitated and recovering the precipitated pteroylglutamic acid.

2,474,023
METHOD OF GAS-SHIELDED ALTERNATING CURRENT ARC WELDING
Richard F. Wyer, Rexford, N. Y., assignor to General Electric Company, a corporation of New York
Application February 17, 1944, Serial No. 522,686
8 Claims. (Cl. 219—10)

1. The method of fusing a metal with an arc established between said metal and a substantially non-consumable metallic electrode selected from the group consisting of tungsten, thoriated tungsten, and tantalum which comprises the steps of supplying about said arc and the portions of said metal rendered molten thereby, a gas selected from the group consisting of argon and helium, and energizing said arc from a source



of alternating current having an open circuit voltage greater than that voltage at or below which complete rectification of current flow through said arc occurs, said open circuit voltage being great enough to cause current flow in both directions through said arc.

2,474,024
DISAZO DYESTUFFS
Carl Ivar Anderson, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 29, 1944, Serial No. 565,795
3 Claims. (Cl. 260—176)

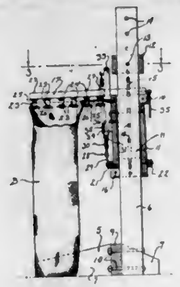
1. A secondary disazo dyestuff which in the form of its sodium salt is 1,7-disazo-8-hydroxynaphthalene-4-sodium sulfonate wherein the azo group in the 1-position is linked to an acetoacetanilide radical, and the azo group in the 7-position is linked to a nitrophenol in the 2-position thereof, said nitrophenol being selected from the group consisting of 4-nitrophenol, 6-nitro-4-sulfophenol and 4-nitro-6-sulfophenol, said dyestuff dyeing animal fibers from an acid bath in level green to brown shades which when chromed yield green to olive shades having improved fastness to light as compared with the dyeings before chroming.

2,474,025
BAG HOLDER
Glenn Aspinall, Burlington, Wis.
Application June 19, 1946, Serial No. 677,772
4 Claims. (Cl. 248—99)

1. A bag holder comprising an upright standard, an elongated sleeve slidably mounted on the standard, a supporting cuff adjustably secured to the standard above the sleeve, a spring connection between the sleeve and the cuff for normally holding the sleeve in a raised position, bag spreader and supporting arms carried by the sleeve, and antifriction rollers carried by the opposite diagonal corners of the sleeve for engaging the opposite faces of the standard.

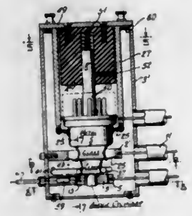
4. In a bag holder, a support, bag holding and spreading arms carried by the support, depending rollers carried by said arms for engaging in

the bag mouth, each of said rollers including a body portion and an annular bag engaging flange,



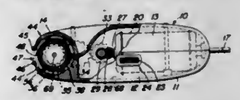
and radially extending bag penetrating pins carried by said flange.

2,474,026
MOUNTING FOR ELECTRON DISCHARGE DEVICE OF THE HIGH-FREQUENCY TYPE
John B. Atwood and Bertram Trevor, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application April 6, 1944, Serial No. 529,716
7 Claims. (Cl. 315—39)



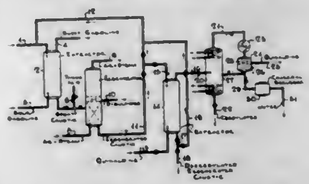
1. A mounting for an electron discharge device of the type having a pair of spaced grid and anode electrodes each of which has a planar disc-like terminal element which extends transversely of the discharge device is symmetrical with respect to the axis of the discharge device, and a cathode which is surrounded by and coupled to a metallic shell forming part of an enlarged base for said device, the anode terminal element being smaller than the grid terminal element and located near one end of said device; said mounting comprising a single hollow outer metallic enclosure which is longer than the discharge device and adapted to accommodate and support the discharge device with the longitudinal axis of the enclosure substantially coinciding with the longitudinal axis of the electron discharge device, a first metallic plate in the interior of said enclosure extending transversely of the longitudinal dimension thereof and attached to at least one wall of said enclosure, said plate having an aperture therein and a plurality of contact fingers around the edges of said aperture for engaging the grid terminal element of the discharge device, a second metallic plate in the interior of said enclosure also attached to one wall of said enclosure and parallel to said first plate but spaced therefrom, said second plate having an aperture in a portion thereof and a plurality of contact fingers around the edges of said aperture for coupling to the anode of the discharge device, the aperture of said second plate being smaller than the aperture of said first plate, and a hollow metallic tube completely within said enclosure and adapted to be connected at one end to said enclosure and at its other end adapted to surround at least a portion of and coupled to the metallic shell of the discharge device, said metallic tube and surrounding enclosure forming a line resonator, said enclosure having an aperture lying approximately in the same plane as one of said plate for enabling a line section to be coupled to that electron discharge device electrode which is adapted to be in circuit with said one plate, said enclosure having another aperture lying approximately one-quarter of a wavelength from that end of said metallic tube which is located within and connected to said enclosure for enabling a tuning line stub to be coupled to said line resonator.

2,474,027
ELECTROMECHANICAL SAFETY RAZOR
Morris Berger, Burlington, N. J.
Application March 18, 1946, Serial No. 655,127
5 Claims. (Cl. 30—42)



1. An electric safety razor comprising a longitudinally split casing forming upper and lower separable sections, the forward end of said lower section forming a semi-cylindrical cutter housing terminating in a transversely extending rounded guard lip, a semi-cylindrical cutter housing hinged to said upper section adapted to swing into position over said lower cutter housing and formed with a transversely extending rounded guard lip disposed in parallel spaced relation with said first-mentioned guard lip, a blade-supporting shaving cylinder rotatably mounted between said cutter housings, strip cutter blades detachably supported on said shaving cylinder, a gear on one end of said shaving cylinder, an electric motor in the opposite end of said split casing, means for energizing the same, and a gear train between said gear and electric motor.

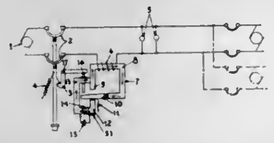
2,474,028
RECOVERY OF PHENOL SALTS FROM AQUEOUS SOLUTIONS
Carl W. Berger, McPherson, Kans., assignor to The Inventors Guild, Newark, N. J., a partnership
Application April 6, 1946, Serial No. 660,289
1 Claim. (Cl. 260—621)



In the extraction of sulfur and phenolic impurities from hydrocarbons containing same by

the use of aqueous caustic as the solvent, the caustic extract being regenerated by oxidation to remove mercaptans, thereby obtaining a regenerated caustic, the improvement comprising extracting, in a second extraction step, at least a portion of said regenerated caustic with a normally liquid organic base having two aromatic cyclic groups, one of which contains a nitrogen atom, thereby obtaining a second extract and a raffinate phase containing substantially all of the unused caustic, separating the phases, removing the organic base from the extract, recycling said base to the second extraction step, and recycling said raffinate phase to the step for extraction of sulfur and phenolic impurities from the hydrocarbons.

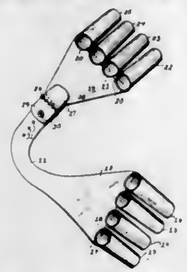
2,474,029
TRIPPING DEVICE
Donald I. Bohn, Pittsburgh, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 11, 1944, Serial No. 558,268
5 Claims. (Cl. 175—294)



1. An electromagnet for controlling the operation of a circuit breaker, said electromagnet having an armature having an energized and de-energized position, a pole face adjacent to and forming an air gap with said armature, a first magnetic path including said armature air gap and pole face, a second closed iron magentic path including said armature and by-passing the air gap between said armature and pole face of said magnetic path when said armature is in its de-energized position, a first winding connected in series in the circuit to be protected by the circuit breaker, said winding being on the core of said first magnetic path, a second winding on the core of said by-pass magnetic path, and circuit connections for said second winding such that for currents of a predetermined amplitude in a predetermined direction in said first winding, said by-pass has a predetermined reluctance at a predetermined value of said current so that the flux induced by said current finds a path of lower reluctance across said air gap and for currents of a lower than said predetermined amplitude in a direction opposite to said predetermined direction in said first winding, said by-pass has said predetermined reluctance at said different than said predetermined value of said current so that flux induced by said current finds a path of lower reluctance across said air gap at said different than said predetermined current value.

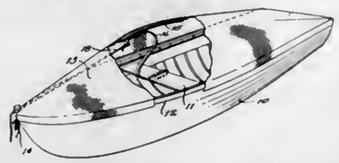
2,474,030
NONSLIP GOLF GLOVE
Charles W. Braswell, Long Beach, Calif.
Application September 11, 1947, Serial No. 773,393
1 Claim. (Cl. 273—35)

In a positive grip for golf clubs, the combination which comprises a friction gripping strap having an outwardly flared end with a plurality of spaced tubular finger-receiving open end stalls carried by the said outwardly flared end, the opposite end of said strap having a folded over flap with snap fasteners adjustably connecting the flap to the strap, and an outwardly flared pad also having a plurality of spaced tubular finger-receiving open end stalls carried by the larger end thereof and having a clip with a loop therein on the smaller end, said loop providing means for at-



taching the said pad to the folded over end of the strap whereby with the strap wrapped around the handle of a golf club, the position of the finger-receiving stalls may be adjusted so that with the fingers of one hand in the stalls of the strap and the fingers of the other hand in the stalls of the pad, the handle may be positively gripped for use.

2,474,031
BOAT COVER
Frank D. Burns, Muskegon, Mich.
Application January 9, 1946, Serial No. 639,956
6 Claims. (Cl. 135—6)

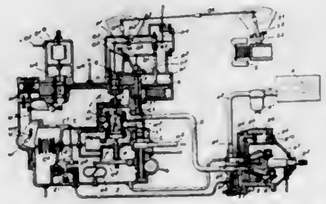


1. A boat cover comprising a flexible sheet adapted to overlie a boat and to be fastened at its edge portion to the boat, a resilient element formed adjacent one end for attachment to the central part of a boat and shaped normally to lie in a generally horizontal position when it is attached in the boat, and a cord connected to the other end of the resilient element and extending through the sheet to pull the element to a generally vertical position in engagement with the central part of the sheet.

2,474,032
PROCESS FOR REMOVING A FLUORINE COMPOUND FROM A LIQUID HYDROCARBON
Alva C. Byrns, Los Altos, Calif., assignor to The Permanente Metals Corporation, Oakland, Calif., a corporation of Delaware
No Drawing. Application August 6, 1945, Serial No. 609,337
4 Claims. (Cl. 196—41)

1. Process for removing a fluorine compound from a liquid hydrocarbon containing the same which comprises passing said liquid through a bed of magnesium hydroxide aggregate obtained by forming agglomerates of uniform size and shape from a magnesium oxide-containing mixture substantially free from silica with an amount of water sufficient to hydrate said magnesium oxide, and allowing said agglomerates to hydrate and harden.

2,474,033
APPARATUS FOR METERING THE FUEL SUPPLIED TO PRIME MOVERS
Reginald Henry Douglas Chamberlin and Charles Horace Lionel Wynne, London, and John Skellern, Northolt, England, assignors to D. Napier & Son Limited, London, England, a company of Great Britain
Application September 26, 1947, Serial No. 776,192
In Great Britain September 30, 1946
3 Claims. (Cl. 103—38)

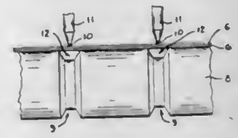


1. Apparatus for metering the fuel supplied to a prime mover of a type adapted for driving a variable pitch air screw comprising in combination a metering orifice, the dimensions of which in directions at right-angles are determined by parts of two relatively movable members, a pump operative to deliver fuel in variable quantity to the metering orifice, means for driving the pump by and thus in speed relation to the prime mover, a tank containing fuel under pressure with means for supplying fuel from this tank to the said pump, means for moving and setting in relation to the said metering orifice one of the said members which determines the dimensions of this orifice, this means being actuated in accordance with the temperature of the air at the entry to the compressor of the prime mover, means for manually moving the second of the said two members which determine the dimensions of the metering orifice, a governor operative to set the airscrew and thereby control the speed of the prime mover, a servomotor operative to set the said governor, a valve controlling the flow of pressure fluid to the said servomotor and connected to and manually movable with the said second metering orifice member, at least one valve actuated by the piston of the said servomotor as it moves and controlling the flow of pressure fluid to that servomotor in a manner which will delay its action on the airscrew governor, a second servomotor with means for controlling it in accordance with the pressure of the air at the intake of the compressor to the prime mover, a member movable against a spring constituting an abutment, the member being subjected on the one hand to the pressure of the fuel as delivered by the said pump and on the other hand and oppositely to the pressure of the fuel which has passed through the said metering orifice, means whereby the said second servomotor is operative to vary the pressure exercised by the said spring abutment on the said movable member, and means whereby movement derived from the said movable member determines the stroke of the said fuel pump and thus the volumetric delivery of the pump.

2,474,034
BLEACHING POPLAR GROUNDWOOD
Kenneth A. Craig, Appleton, Wis., assignor to Paper Patents Company, a corporation of Wisconsin
No Drawing. Application December 4, 1946, Serial No. 713,917
2 Claims. (Cl. 8—106)

1. In the paper art, the process of treating poplar groundwood contaminated with fungi rot which comprises subjecting the contaminated groundwood to the action of an alkaline hypochlorite solution having a pH value of about 9–11 and a temperature of about 25°–50° C., sufficient hypochlorite being present to provide about 7–15 per cent available chlorine based on the groundwood, and then acidifying said solution after the consumption of the available chlorine.

2,474,035
METHOD AND APPARATUS FOR MAKING CONTAINERS
Harry D. Crandon, Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 26, 1944, Serial No. 569,904
6 Claims. (Cl. 154—116)

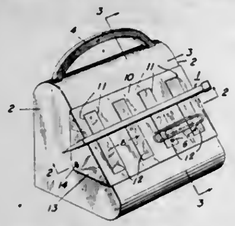


1. The method of forming a fused seam between thin sheets of thermoplastic material comprising the steps of assembling the sheets in superimposed relation, positioning the superimposed sheets on support means having an air-recess in alignment with the desired location for the seam, providing jet means on the opposed side of the superimposed sheets and spaced therefrom, directing heated non-inflammable gases through the jet means onto the adjacent sheet at said location, said gases having a temperature sufficient to cause the portions of the superimposed sheets at said location to be heated to a fusible state, and controlling the pressure at which the gases are directed onto said sheet to avoid substantially distorting the sheets and to bring about an integral bonding of the heated portions, the air-recess of the support means extending transversely beyond the limits of the heated portions of the sheets a sufficient amount to prevent conductance of heat to the support means.

2,474,036
PAPERWEIGHT
John J. Curley, Brockton, Mass.
Application August 19, 1946, Serial No. 691,518
5 Claims. (Cl. 120—82)

1. A paper weight comprising a body portion of non-magnetic material, one face of the body portion having a recess formed therein, said recess having a flat bottom portion, vertical sides and ends, a permanent magnet, co-extensive with the recess and seated therein, said magnet having a pair of relatively long parallel pole pieces, and a non-magnetic cover enclosing the magnet,

said cover having complementary openings to receive the end portions of the pole pieces, the ex-



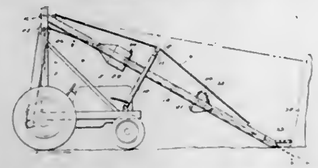
posed surfaces of the pole pieces being substantially flush with the surface of the cover.

2,474,037

PORTABLE BRUSH AND TREE CUTTING MACHINE OF THE HAMMER-DRIVEN CUTTER BLADE TYPE

Antum E. Cuthrell, Pleasanton, Tex.

Application February 28, 1946, Serial No. 651,004
1 Claim. (Cl. 144—34)



A tree felling apparatus comprising in combination, a power operated vehicle, a pair of tracks, means pivotally supporting the tracks at corresponding ends thereof on one end of the vehicle to incline downwardly over the vehicle longitudinally thereof and be swung vertically to vary the inclination of said tracks, a cutter slidably mounted on the lower ends of the tracks for movement downwardly under the base of a tree, an anvil at the rear end of the cutter, a hammer mounted to travel downwardly on the tracks to strike the anvil, means connecting the hammer to the power plant of the vehicle for raising the hammer, means for connecting the anvil to the hammer for raising the cutter to withdraw the cutter from the ground, and a pair of upstanding rams on the other end of the vehicle pivoted thereon and pivotally connected to said tracks to vary the inclination thereof with said tracks interposed between the rams of the pair and suspended adjacent both ends therefrom.

2,474,038

COMPOSITE METAL

Ermand H. Davignon, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

Application March 3, 1945, Serial No. 580,901
5 Claims. (Cl. 29—196.3)



1. A composite metal comprising a precious metal layer, a base layer of beryllium-copper, an intermediate layer of iron, a protecting metal layer on said base layer, and a protecting metal layer on said iron layer, said layers being bonded together.

2,474,039

METHOD OF FORMING COMPOSITE METAL HAVING A NICKEL-PLATED BERYLLIUM-COPPER BASE AND GOLD OR SILVER BONDED THERETO BY A COPPER-PLATED IRON SHEET

Ermand H. Davignon, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts

Original application March 3, 1945, Serial No. 580,901. Divided and this application May 1, 1946, Serial No. 668,442
3 Claims. (Cl. 29—189)



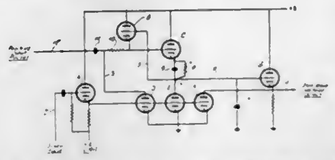
1. The method of forming a composite metal having a surface of a metal selected from the group consisting of gold and silver, and a beryllium-copper base comprising coating at least one side of said base with nickel, coating a sheet of iron with a protecting layer of copper, and then bonding the precious metal layer to said iron sheet and bonding said iron sheet to said base layer.

2,474,040

PULSE INTEGRATING CIRCUITS

James R. Day, Peconic, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application November 16, 1945, Serial No. 629,169
10 Claims. (Cl. 250—27)



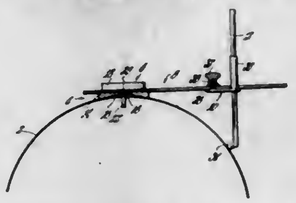
2. A pulse integrating circuit comprising a first vacuum tube having grid, anode and cathode electrodes, means for normally biasing said tube to the anode current cut-off condition, an input circuit including in series therewith a capacitor and a resistor coupled to said grid for supplying recurring pulses thereto of such magnitude and polarity as to cause said tube to conduct for substantially the duration of each pulse, a condenser connected between the cathode of said tube and ground, whereby an incremental increase in voltage is built up on said condenser for each input pulse during a cycle of operation, a second vacuum tube having a grid, anode and cathode, a connection from the cathode of said last tube to the grid of said first tube, a connection from the grid of said second tube to the cathode of said first tube, a source of anode polarizing potential connected to the anodes of both tubes, a normally non-conducting space discharge path connected across said condenser, and means for causing said space discharge path to become conductive after a predetermined number of input pulses.

2,474,041

APPARATUS FOR SCRIBING CIRCLES ON CYLINDRICAL MEMBERS

Charles A. Dimmock, Jr., Springfield, Mass.

Application October 22, 1947, Serial No. 781,318
2 Claims. (Cl. 33—21)



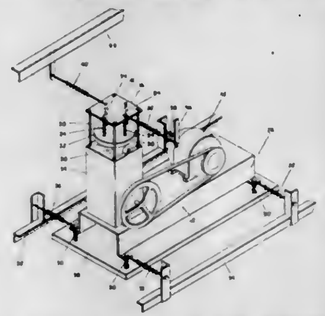
1. Apparatus for scribing on a cylindrical member having a pilot hole disposed at right angles to the longitudinal axis thereof comprising in combination, a support for resting on the cylindrical member having a pilot hole for registering with the pilot hole of the cylindrical member, a journal member having a journal portion on the lower side thereof and a pilot extending downwardly therefrom for insertion through the pilot hole of the support and into the pilot hole of the cylindrical member, said journal portion being disposed concentrically relative to said pilot hole and pilot, an arm journalled on said journal portion of the journal member having an outer free end and provided with a longitudinal slot therethrough radially extending from the longitudinal axis of said journal portion, a guide means slidable along said slot having a hollow longitudinal guideway extending therethrough having a longitudinal axis which is disposed parallel to the longitudinal axis of said journal portion, means for securing said guide member in adjusted positions along said slot, and a scriber reciprocable up and down in said guideway having a lower end for scribing a cylindrical member.

2,474,042

VIBRATION ELIMINATING APPARATUS

Edward J. Egle, Jr., Woodside, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application July 16, 1945, Serial No. 605,365
4 Claims. (Cl. 103—218)



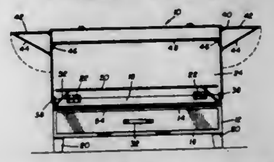
1. Vibration inhibiting apparatus for inhibiting the reciprocatory vibrations of a pump having a reciprocating piston comprising, in combination with said pump, a movable weight, first resilient means so interconnecting said pump and said weight that said weight is reciprocated and its axis of reciprocation is substantially coincident with the axis of reciprocation of said piston, second resilient means for supporting said pump and third resilient means connected to said pump and to a fixed lateral support for opposing lateral movement of said pump.

2,474,043

COLLAPSIBLE CAMP STOVE

James Henry Eichen, Detroit, Mich.

Application November 27, 1946, Serial No. 712,597
3 Claims. (Cl. 126—9)



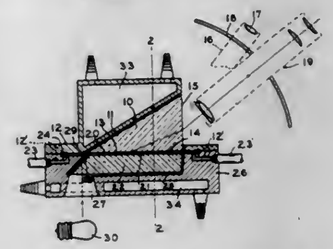
1. A collapsible camp stove comprising a base, foldable legs secured to said base, a drawer in said base, an upstanding marginal rim on said base, a hinged back portion foldable upon said base to constitute a cover therefor, side members hinged to the ends of said back, said side members having channels at their lower edges for embracing said upstanding rim, and a hearth plate on said base, and a removable grate having foldable legs supported over said hearth plate.

2,474,044

PRISM SYSTEM FOR REFRACTOMETER OF THE ABBÉ TYPE

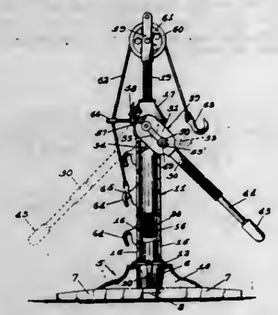
John W. Forrest, Brighton, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application February 12, 1947, Serial No. 728,026
5 Claims. (Cl. 88—14)



1. In a refractometer of the critical angle type for testing liquids comprising, a prism having a light refractive face against which a liquid specimen is held, a light transmitting member having a surface which is parallel to and spaced from said refractive face to provide a space for said liquid specimen, and a reflecting surface formed on said member at an angle to and terminating at said first named surface so as to direct light rays from a light source through said member at grazing incidence to the interface formed by the specimen and said surface so that said rays are refracted through said liquid specimen and prism.

2,474,045
LIFTING JACK
Harry D. Freeland, Waynesburg, Pa.
Application February 21, 1946, Serial No. 649,187
3 Claims. (Cl. 254—139)



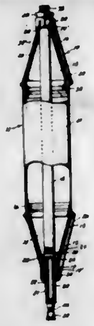
1. A portable lifting jack including a base adapted to flatly rest on the ground, a hollow standard rising from the base, a lifting member vertically movable in and projecting above the standard, manually operable means carried by the standard and operatively connected to the lifting member to raise and lower the latter, a pulley on the upper end of said lifting member, a cable passing over said pulley, quick-detachable means to selectively anchor one end of the cable to the standard at any desired one of a plurality of vertically spaced points, and a lifting element on the other end of said cable engageable with the load to be lifted.

2,474,046
PROCESS OF PRODUCING LACTIC ACID
Karl W. Fries, Rhinelander, Wis., assignor to Rhinelander Paper Company, Rhinelander, Wis., a corporation of Wisconsin
No Drawing. Application October 19, 1945, Serial No. 623,431
3 Claims. (Cl. 195—48)

1. The method of producing lactic acid from waste sulphite liquor containing lignins, sugars and free and loosely combined sulfur dioxide, which comprises adding sufficient lime to said waste liquor to effect a pH therein of between 8.0 and 8.8, thereby causing the precipitation of said free and loosely combined sulfur dioxide, as calcium sulfite, allowing the lime-treated mass to stand for a time not exceeding 1½ hours if the temperature of said mass is above 35° C., separating the resulting precipitate from the liquor, adjusting the liquor to a temperature between 30° and 40° C. and to a pH between 6.3 and 6.7, adding to said liquor an inoculum of *Lactobacillus pentosus* 124–2 and a nutrient therefor, maintaining said inoculated liquor within the temperature and pH limits last mentioned until a substantial conversion of said sugars to lactic acid has occurred, and recovering the lactic acid so produced.

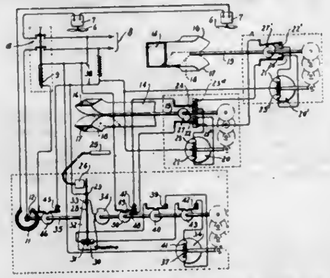
2,474,047
EXPANSIBLE PLUG FOR SEALING BORES
Andrew Gorzkowski, Avoca, Pa.
Application March 7, 1946, Serial No. 652,509
3 Claims. (Cl. 220—24.5)

1. An expansible plug comprising a flexible body insertable within a fluid pressure line, said body having tapered ends, means for inflating said body and means for selectively contracting and expanding said body, said last mentioned means includes an elongated rod extending longitudinally through said body, members fixedly



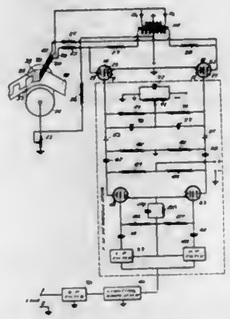
secured to the ends of said body and adjustably mounted on said rod, annular channels about said body adjacent each end, retaining rings received in said channels, and means rigidly securing said retaining rings to said members.

2,474,048
HEATING AND VENTILATING SYSTEM
Elmer A. Greenlee, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application June 18, 1945, Serial No. 600,119
2 Claims. (Cl. 236—49)



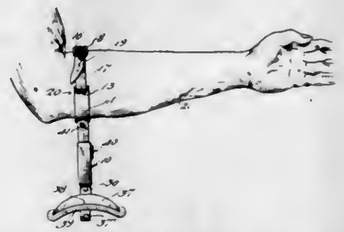
2. In a combined compartment heating and ventilating system having a heater for the compartment and a motor for driving a fan to deliver outside air into the compartment, the combination of, a thermostat adapted to be arranged for response to temperature changes in said compartment over a substantial range, means controlled by said thermostat and operating to maintain said heater effectual over the lowermost small portion of said range and ineffectual over the remaining higher part of the range, and means controlled by said thermostat to maintain said fan motor idle at the lowermost limit of said range and responsive to a rise in temperature from such lowermost limit to initiate operation of said fan motor at low speed and then increase the motor speed progressively as the temperature increases throughout the remainder of the range.

2,474,049
HIGH-SPEED TELEGRAPHY SIGNAL RECORDER
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 26, 1945, Serial No. 584,859
7 Claims. (Cl. 178—89)



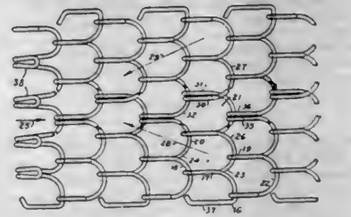
1. A means for simulating the records made by an undulator recorder of telegraph signals, comprising two contact elements energized alternately for impressing marks along two substantially parallel spaced lines on a moving tape and a third element energized transiently as the energy is alternated from one contact element to the other, said third element making marks along lines approximately at right angles to said two spaced parallel lines.

2,474,050
ARMREST
Herbert H. Harris, Sacramento, Calif.
Application March 2, 1946, Serial No. 651,507
5 Claims. (Cl. 248—118)



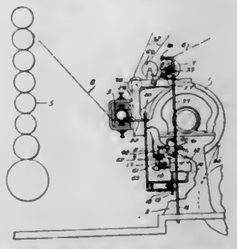
2. A support comprising an arm band, a longitudinally extensible prop, means for pivotally securing said band to said prop, means for locking said band in selected adjusted positions relative to said prop, means for locking said prop in longitudinally adjusted positions, a body engaging member having apertures therein, means for pivoting said member to a selected end of said prop, said band including an arcuate arm engaging member, means for securing said member to the arm, means for pivotally securing said arm engaging member to said prop, support means secured to said apertured member.

2,474,051
ENDLESS BELT GRADER
Bernis W. Hatch, Atlanta, N. Y.
Application April 29, 1946, Serial No. 665,709
4 Claims. (Cl. 209—307)



1. A belt for grading fruit and vegetable products and like articles according to size comprising a series of transversely extending wire links each having pivotal engagement with adjacent links at transversely spaced points and being shaped to provide article receiving openings therebetween intermediate said points of engagement, said openings having substantially equal width longitudinally and transversely of the belt and said links being shaped to provide a series of valleys spaced longitudinally of said belt and inclined obliquely inwardly and rearwardly of the direction of travel of the belt, from both margins toward the center thereof, to distribute the movement of the articles fed onto said belt from the margins toward the center thereof.

2,474,052
DOCTOR OPERATING MECHANISM
Anton Walter Johnson, Masson, Quebec, Canada
Application May 6, 1946, Serial No. 667,681
1 Claim. (Cl. 92—74)



A paper making machine including a frame, a dryer roll mounted in the frame, a calender forwardly of the dryer roll and adapted to receive a paper web therefrom, a spring roll between the dryer roll and the calender and adapted to engage and to impose a normal degree of tension on a paper web passing thereunder from the dryer roll to the calender, said spring roll being mounted in vertically movable bearings on the frame, springs carried by the frame and resiliently supporting said bearings to limit the vertical movement thereof, said spring roll and bearings moving downwardly a slight distance on breakage of such paper web, a doctor member cooperating with but normally disengaged from said dryer roll, fluid actuating means for shifting the doctor member into engagement with said dryer roll, a lever pivoted intermediate its ends on the frame

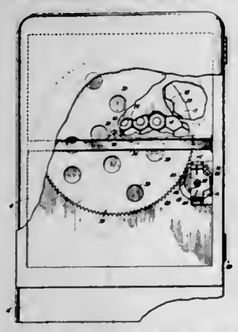
with one end thereof in the path of movement of one of the bearings of the spring roll, whereby slight downward movement of said bearing effects pivotal motion of the lever, and a control member for the actuating means of the doctor member engageable by the other end of said lever upon pivotal motion of said lever in response to downward movement of said spring roll bearing induced by breakage of such paper web, the pivotal point of the lever being closer to the bearing than to the control member.

2,474,053

BOTTLE VENDING MACHINE WITH MAGAZINE ROTATING ON HORIZONTAL AXIS

Elmer C. Johnson and Jerome E. Hagstrom, Kansas City, Mo., assignors, by mesne assignments, to The Vendo Company, Kansas City, Mo., a corporation of Missouri

Application March 27, 1944, Serial No. 528,270
8 Claims. (Cl. 312—97.1)



7. In a vending machine of the character described, a cabinet provided with a wall having an elongated access opening formed therein; a magazine rotatably mounted on one side of said wall, said magazine having a plurality of open-end stalls forming a part thereof, certain of said stalls being movable successively into simultaneous register with the said access opening as the magazine is rotated; and a rotatable guard plate on the opposite side of the said wall, said plate having a number of perforations formed therein, each of said perforations registering with a portion of the access opening as the plate is rotated, said perforations being arranged in staggered relation whereby certain of the perforations register with one portion of the access opening and other perforations register with other portions of the access opening respectively.

2,474,054

ELECTRIC RELEASE FOR TOY GUNS

Clinton Jones, Hampton, Va.

Application May 1, 1944, Serial No. 533,473
5 Claims. (Cl. 124—32)

5. In an artillery trainer having an inclined plane slidably supporting a firing bolt and having a coiled expansion spring engaged concentrically upon the bolt and operating between a collar fixed on the bolt and a fixed portion of the inclined plane for urging the bolt forward to shoot a projectile, means for holding the coiled spring under varying tension to control the forward velocity of the coiled spring, comprising an elongated latch arm, means on the inclined plane at one side of the bolt pivotally supporting said latch arm intermediate of its ends so that one end of said latch arm extends across the top of the bolt to be pivoted toward the bolt to be engaged with a desired convolution of the coil spring, means on the inclined plane on the other side of the bolt for supporting said one end of said latch arm when engaged with the desired convolution of the coil spring, and an electro-magnetic means engageable with the other end of said latch arm for pivoting said latch arm to disengage said one end of said latch arm from said one end supporting means and from the desired convolution of the coil spring freeing the coil spring to shoot the firing bolt forward, said electro-magnetic means comprising an arm of magnetic material having one end overlying the said other end of said latch arm, means on said inclined plane pivotally supporting said arm of magnetic material intermediate of its ends, means operating between the other end of said arm of magnetic material and said inclined plane urging said latter arm into a position in which its said one end will be free of said latch arm, and a manually closable circuit including an electro-magnet beneath said one end of said arm of magnetic material to pivot said one end downward to engage and pivot said latch arm, said magnetic arm urging means comprising a contraction spring operating between the said other end of said magnetic arm and a lug fixedly mounted on said inclined plane.

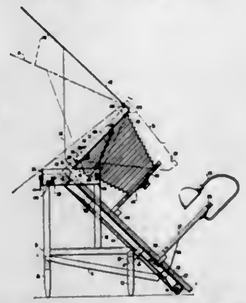


2,474,055

IMAGE COPYING PROJECTION MACHINE

Robert Merritt Lacey, West Orange, N. J., assignor to The Merritt Lacey Corporation, New York, N. Y., a corporation of New York

Application June 15, 1948, Serial No. 33,111
14 Claims. (Cl. 88—24)



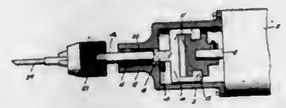
1. In a device of the class described, a substantially U-shaped horizontal frame having two side members and one rear transverse member, a support for the frame, a track structure pivotally mounted at the rear of said frame and extending forwardly therefrom, said structure being operatively movable between predetermined upper and lower limiting positions, an object easel extending upwardly from and slidably movable longitudinally relative to the track structure, an object lens in facing relation to said easel and movable longitudinally relative to the track structure, a transparent working easel mounted over said frame and spaced rearwardly from said lens, a camera bellows operatively connecting said lens and working easel, and separate manually manipulable transmitting mechanisms for operatively moving said object easel and said lens relative to said track structure.

2,474,056

RECIPROCATING TOOL

Leo M. Larsen, Spokane, Wash.

Application March 9, 1945, Serial No. 581,776
1 Claim. (Cl. 74—57)



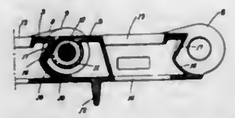
An attachment for an electric motor and comprising a housing secured to one end of the motor and enclosing an adjacent end of the shaft of the motor, a collar secured to the shaft snd having a cam groove extending circumferentially thereof, a yoke positioned in the housing and having inturned ends engaged in said groove, a stem projecting from the yoke and slidably mounted in the outer end of the housing, said stem having a squared portion, a U-shaped bearing carried by the housing slidably receiving said squared portion of the stem to prevent rotation thereof, said squared portion of the stem forming a shoulder thereon, a coil spring carried by the housing and engaged by said shoulder to provide a shock absorber for the stem and a tool chuck attached to the outer end of the stem.

2,474,057

ENDLESS TRACK

Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California

Application January 26, 1944, Serial No. 519,753
3 Claims. (Cl. 305—10)



1. A track unit comprising an endless track having a plurality of track links pivotally connected together at adjacent ends, spaced sprockets supporting the track and about which sprockets the track engages, and lugs projecting radially from the sprockets, the track links each having an inwardly opening socket therein intermediate its ends and into which sockets said lugs project as the track links ride said sprockets, and the sprockets having peripheral portions of substantial length which matchingly engage the radially inner face of the links immediately at the ends of the sockets.

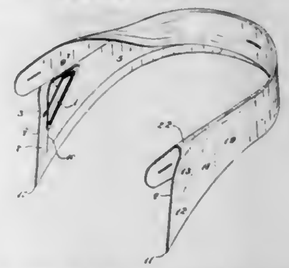
3. In a track unit which includes an endless track supported and engaged by spaced sprockets, said track comprising a plurality of track links pivoted together, shoulders on adjacent link ends, such shoulders being parallel to each other and sloping at an angle to the plane of the inner face of the track when the links are disposed horizontally between the sprockets, such shoulders terminating short of the opposite face of the links, the ends of the links beyond the shoulders forming extensions of such shoulders and both such extensions being of arcuate form and concentric with the longitudinal axis of the adjacent pivots between the links.

2,474,058

COLLAR STIFFENER

Locksley D. McNeill, Winnipeg, Manitoba, Canada

Application April 30, 1945, Serial No. 591,056
3 Claims. (Cl. 2—132)



3. A collar stiffener comprising in combination a pin and a semi-rigid tab, said tab being bounded by edges of which one is substantially parallel with and adjacent to at least the mid-section of the front edge of a collar, and another edge acutely angled with respect to the first-mentioned edge, said last mentioned edge inclining rearwardly and upwardly toward the neckband edge of the collar, the material of the tab between said edges reinforcing the tie knot region of the collar, said pin being secured to said tab and emerging from the first-mentioned edge at a point upon the length thereof, said pin being angled to lie parallel to, but externally spaced from, said first-mentioned edge, and projecting beyond the end of the first-mentioned edge to reinforce alone, the collar point region.

2,474,059

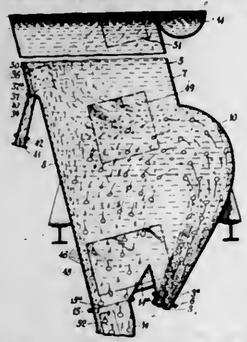
INCLINED CURRENT HYDRAULIC SEPARATOR

Frederick C. Morton, Buffalo, N. Y.

Application February 25, 1947, Serial No. 730,708
13 Claims. (Cl. 209—157)

1. Apparatus for effecting the separation of granular material composed of constituents of different specific gravity or different weight comprising an upwardly extending hollow shaft having front, rear and side walls and a bottom, the rear wall being inclined to the vertical in an outward direction from its lower to its upper end and the shaft having a bottom opening adjacent the rear wall and another bottom opening adjacent the front wall, means connected to the shaft and communicating with the bottom opening adjacent the front wall for forcing through said opening and into the shaft a liquid medium and

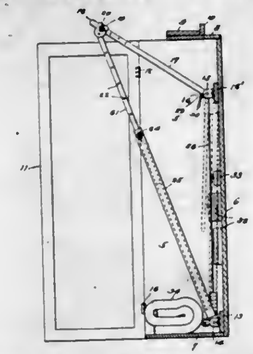
granular material in suspension, the liquid medium filling the shaft and escaping from its upper end and the liquid medium as it enters the shaft having such velocity that it carries the granular material with it substantially as a column moving upwardly within the shaft, means operative at a point of travel of the column remote from the bottom opening through which it enters the shaft for directing it across the shaft, means for so regulating the velocity and direction of the liquid medium that the components of the column of granular material which are of greater specific gravity or greater weight will fall from the column within the zone wherein the column is directed across the shaft and as they fall will impinge upon or approach the inclined rear wall and will be directed to and through the bottom opening adjacent said rear wall whence they escape while the remaining components of lighter specific gravity or lighter weight will be carried by the liquid medium to the upper end of the shaft and will escape from



the shaft with the liquid medium, an elevator including an upwardly extending hollow casing of greater height than the shaft and elevator mechanism enclosed within said casing, a pipe connecting the lower portion of said casing and the shaft and communicating with the bottom opening adjacent said rear wall, means for supplying a liquid medium to said casing to a constant level sufficiently elevated above the shaft to provide a pressure head whereby the liquid medium flows from said casing through said pipe into and upwardly through the shaft, the components which escape through the bottom opening adjacent the said rear wall falling through said pipe into the said lower portion of the casing whence they are carried upward by the elevator mechanism and discharged above the liquid level line of said casing, means connected to the upper portion of said casing for carrying away the components discharged by said elevator mechanism and means connected to the upper end of the shaft for carrying away the components of less specific gravity or less weight.

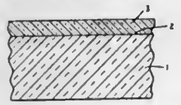
2,474,060
CABINET AND EXERCISING DEVICE
James N. Mosher, South Bend, Ind.
Application February 13, 1946, Serial No. 647,358
1 Claim. (Cl. 272—62)

An exercising device, comprising a support, a substantially U-shaped horizontal bar, means for pivotally connecting the ends of the horizontal bar to the support, said U-shaped horizontal bar having openings formed therein, lower tubular sections, means for pivotally mounting the lower tubular sections on the support for vertical swinging movement, telescoping rods having openings movable within the lower tubular sections, metallic straps slidable on the horizontal bar and to which the rods are pivotally connected, slidably



connecting the rods to the horizontal bar, means for securing the straps in adjusted positions on the horizontal bar, and pivotal latches carried by the lower tubular sections and cooperating with the openings of the rods in securing the rods in their adjusted positions with respect to the lower tubular sections.

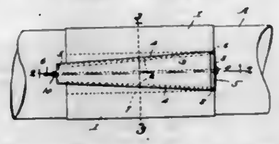
2,474,061
METHOD OF PRODUCING THIN MICROPOROUS SILICA COATINGS HAVING REFLECTION REDUCING CHARACTERISTICS AND THE ARTICLES SO COATED
Harold R. Moulton, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application July 23, 1943, Serial No. 495,906
14 Claims. (Cl. 88—1)



1. An article of the character described comprising a substrate having a thin transparent surface reflection reducing coating of substantially pure silica formed on the surface thereof, said coating being microporous and consisting of the dried silica product of a tetra-alkyl-orthosilicate selected from the group consisting of tetra-ethyl-orthosilicate, tetra-methyl-orthosilicate and mixtures thereof hydrolyzed in situ by an acid inert to silica and the substrate, said coating having a substantially uniform optical thickness of an odd multiple of a quarter wave length of the incident light and a substantially uniform effective index of refraction less than that of massive silica, said coating being firmly adherent to the substrate and being resistant to abrasion.

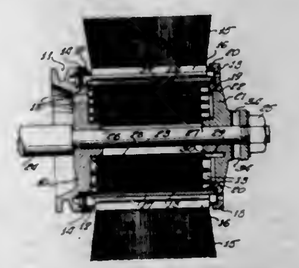
4. The method of producing a surface reflection reducing coating on the surface of an article comprising the steps of applying to said surface a liquid solution consisting of controlled amounts of tetra-alkyl-orthosilicate selected from the group consisting of tetraethylorthosilicate, tetramethylorthosilicate and mixtures thereof and a mineral acid inert to silica as a decomposing agent for the tetra-alkyl-orthosilicate, the tetra-alkyl-orthosilicate being decomposable by said acid to produce silica, said tetra-alkyl-orthosilicate and acid being dissolved in a volatile organic solvent miscible with both, said solvent being selected from the group consisting of mono ethyl ether of ethylene glycol, mono butyl ether of ethylene glycol, ethyl acetate, methyl acetate, amyl acetate, ethyl alcohol, methyl alcohol, isopropyl alcohol, butyl alcohol, and mixtures thereof, the proportion of acid embodying approximately 1 to 10% of the solution, the combined proportions of acid and solvent embodying at least 90% of the solution, and the proportion of tetra-alkyl-orthosilicate embodying substantially the balance of the solution, the tetra-alkyl-orthosilicate being held in the solution in a substantially undecomposed state until the concentration of the tetra-alkyl-orthosilicate and the acid is increased by evaporation of the solvent sufficiently to permit the acid to decompose the tetra-alkyl-orthosilicate, causing the liquid solution to form on said surface of the article a liquid layer of a uniform thickness which will contain an amount of tetra-alkyl-orthosilicate and acid sufficient to produce on decomposition of the tetra-alkyl-orthosilicate a coating of silica having an optical thickness of an odd multiple of a quarter wave length of the incident light, and evaporating the solvent from said liquid layer so as to bring about the decomposition of the tetra-alkyl-orthosilicate by the acid on the surface of the article and the production of the silica coating in situ on said surface and to the desired optical thickness.

2,474,062
CLAMPING RING
Gerald E. Murphy, Portsmouth, Ohio
Application January 21, 1946, Serial No. 642,583
1 Claim. (Cl. 138—99)



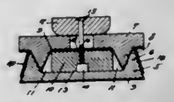
A clamp for pipes or the like, comprising a band proportioned to partially encircle the same, the band having spaced apart and converging longitudinal edges, a flange extending from end to end of each of said edges, a wedge-like key mountable on the band for movement longitudinally thereof, there being longitudinal flanges on the sides of the key adapted for slidable interfitting engagement with the flanges of the band, a plate insertable between the band and the object to which the band is applied, said plate being adapted to bridge the space between, and lap, the longitudinal edges of the band, a cross head on one end of the plate abutting against one end of the band, a cross head on one end of the key opposing said first-named cross head, and a tie device connecting the cross heads and extended longitudinally of the band and key, said tie device being adapted to shift the key longitudinally of the band, whereby to draw the longitudinal edges of the band toward each other, and to lock the key in the position to which shifted.

2,474,063
BRUSH SANDER HEAD
Herman S. Newton, Temple, Tex.
Application May 6, 1948, Serial No. 25,401
6 Claims. (Cl. 51—194)



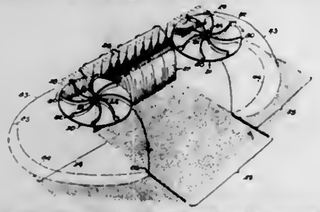
1. A brush sander including a driving head having a multiplicity of annularly spaced cavities adjacent its perimeter, an equal number of longitudinally slotted tubes retained by their ends in said cavities, a brush slidably mounted in each of said tubes, a retainer ring having cavities corresponding to those of said driving head and receiving the opposite ends of said tubes, said ring further having a bevel on its inner periphery, a cap having a peripheral bevel corresponding to and bearing against the bevel of said retainer ring to secure the assembly for common rotation, a reel interposed between said head and cap and keyed to said cap, a flexible spider on said reel having radial flaps, an abrasive strip attached to each of said flaps, said abrasive strips being wound collectively in overlapping relationship on said reel and extending radially between said brushes and means for rotating said reel through the medium of said cap to effect simultaneous adjustment of said abrasive strips in relation to said brushes.

2,474,064
SANDING BLOCK
Joseph Paul, Milwaukee, Wis.
Application October 14, 1947, Serial No. 779,793
2 Claims. (Cl. 51—187)



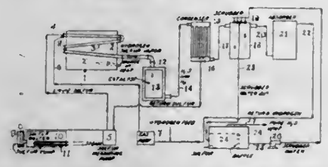
1. A sanding block comprising removably connected upper and lower sections between which an abrasive sheet is held, means for securing the abrasive sheet to the sanding block embodying, upwardly extended ribs formed along the longitudinal side edges of the lower section, the side surfaces of the ribs being beveled, ribs formed on the lower surface of the upper section, the side surfaces of the latter ribs being beveled, the beveled surfaces of said sections cooperating in gripping the abrasive sheet therebetween, a rectangular block secured between the upper and lower sections, the ends of the abrasive sheet being also clamped between the block and upper section, and means for forcing the upper section into clamping relation with the block securing the abrasive sheet therebetween.

2,474,065
DISTRIBUTION APPARATUS
Grover D. Porter, Roscoe, Ill.
Application April 2, 1945, Serial No. 586,073
3 Claims. (Cl. 275—8)



1. A distributor for loose material comprising an elongated hopper adapted to be supported on a wheeled vehicle to receive material from a tilting dump body on the vehicle, said hopper extending transversely of the vehicle and being open intermediate the ends of its bottom to provide for the discharge of material gravitationally and distribution of the same over the ground area traversed by the vehicle, said hopper having bottom outlets at opposite end portions outwardly beyond the gravitational discharge area, centrifugally acting means for receiving material discharged from said outlets and distributing the same to ground areas on opposite sides of said first area, and means for driving said last mentioned means from a ground-engaging wheel of said vehicle.

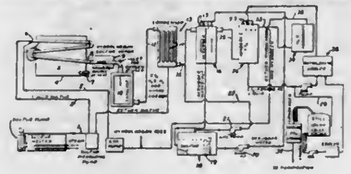
2,474,066
METHOD OF MAKING HYDROGEN SULFIDE
Louis Preisman and Charles F. Hobson, Charleston, W. Va., assignors to Barium Reduction Corporation, Charleston, W. Va., a corporation of Delaware
Application January 4, 1946, Serial No. 639,081
3 Claims. (Cl. 23—181)



3. In the method of making hydrogen sulphide, the step which comprises intermittently introducing metered amounts of sulphur in the form of molten sulphur slugs into a vaporizing chamber and therein intimately admixing the same with a stream of hydrogen in an amount considerably in excess of the molecular equivalent of the sulphur in order to accelerate the volatilization thereof, while simultaneously maintaining the temperature in the vaporizing chamber sufficiently high to volatilize the sulphur present in said mixture.

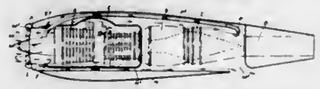
2,474,067
PRODUCTION OF CARBON BISULFIDE AND HYDROGEN SULFIDE
Louis Preisman, Charleston, W. Va., assignor to Barium Reduction Corporation, Charleston, W. Va., a corporation of Delaware
Application May 3, 1946, Serial No. 667,004
2 Claims. (Cl. 23—206)

1. The method of making carbon bisulfide and hydrogen sulfide, which comprises intermittently introducing at predetermined intervals into a vaporizing chamber metered amounts of sulphur in the form of individual slugs of molten sulphur of a predetermined size, admitting thereto a hydrocarbon gas in an amount substantially in excess of the molecular equivalent of the sulphur in order to accelerate the volatilization of the sulphur slugs while simultaneously maintaining



the temperature in said chamber above the boiling point of sulphur, then conducting the mixture of sulphur vapors and hydrocarbon gas through a heated catalyst capable of promoting reaction between the sulphur and the hydrocarbon gas while heating such catalyst to a temperature favorable to the formation of carbon bisulfide and hydrogen sulfide and then separately recovering the two latter products.

2,474,068
AIR INTAKE SYSTEM OF INTERNAL-COMBUSTION ENGINES
Herbert Sammons, Gerrards Cross, and Cecil Louis Cowdrey, Markyate, England, assignors to D. Napier & Son Limited, London, England, a company of Great Britain
Application April 19, 1948, Serial No. 22,018
In Great Britain April 21, 1947
5 Claims. (Cl. 230—132)



1. An air intake system for an internal combustion power plant comprising in combination a power plant, a cowling within which the power plant is mounted with an annular space between the cowling and the power plant through which air can flow over the power plant, a centrally situated fairing at the forward end of the power plant, an annular intake passage around the said fairing through which air can flow to the power plant, a forwardly facing annular intake opening at the end of the said annular intake passage, the inner wall of this intake opening of the intake passage being constituted by the surface of the said central fairing while the outer wall of the said opening and passage is constituted by a hollow structure at the forward end of the said cowling, a plurality of sector-shaped shutters extending radially across the said forwardly facing annular intake opening and each rotatably mounted on trunnions at their ends respectively in the said central fairing and in the said hollow structure forming the outer wall of the intake opening and passage, at least one of the trunnions of each of the said radial sector-shaped shutters being hollow and the shutter formed so that gas entering through the trunnion can flow through the shutter, means for rotating all the said radial shutters simultaneously whereby they may be positioned either so as to permit the

free inflow of air to the said forwardly facing annular intake passage or to obstruct this inflow, means for drawing hot gas from the said power plant and delivering it to parts adjacent to the said forwardly facing intake opening so that this hot gas can flow through the said radial shutters, and an annular opening in the outer wall of the said intake passage constituting a lateral intake through which air can flow into the said annular passage.

2,474,069
FOOD FREEZING TUNNEL
Americo Silvera, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application March 16, 1945, Serial No. 583,125
3 Claims. (Cl. 62—102)



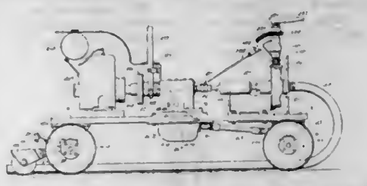
1. In a combination of apparatus of the character described, an enclosure, said enclosure having a floor, ceiling and sides, means disposed at one side of the enclosure housing a cold diffusing apparatus, a distributing duct adjacent the ceiling area for conveying air from the cold diffuser apparatus, a plenum at a side of the enclosure opposite the cold diffuser apparatus, one of the sides of the enclosure forming a side of the plenum, a diffuser grille forming the opposite side of the plenum diffusing air from the plenum into the area formed by said apparatus, duct and plenum, said area constituting a tunnel, and means for conveying food to be frozen through said tunnel.

2,474,070
SWIVEL FOR ELECTRIC CABLES
Edward Sokolik, New Brighton, Minn.
Application September 4, 1945, Serial No. 614,168
8 Claims. (Cl. 173—324)



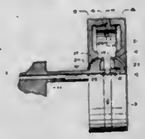
1. In an electrical swivel, the combination and arrangement: a body of insulating material having a closed bore in each end and central portion thereof and including a pair of swiveled members; a pair of tubular conductors of different diameters concentric in the central bore, each including a pair of swiveled members of different diameters, at least one member of each conductor being free for slight yielding axial movement to equalize the said conductors for simultaneous electrical contact, one end-portion of the slender member of each conductor being concentric in one end-portion of the broad member of each conductor, the concentric end-portions of the members of each conductor being curved so as to form, together, an annular tubular swiveled runway for ball bearings, the free end of each member of the large conductor being provided with a mounting orificial disk, one of the said disks being disposed in the end of the broad member and the other upon the end of the slender member, respectively, the free end of each member of the small conductor being provided with a mounting head, respectively; securing elements connected to the mounting orificial disks; caged ball bearings in each runway affording a full circumferential bearing and electrical contact and a non-side shifting anti-frictional swiveled joint; a pair of telescoping insulating tubes between the conductors; yielding means operative on the members of each conductor to maintain electrical contact through the ball bearings; compound bolt terminal-connector and terminal-reach-connector assembly in each end bore connecting large and small conductors to conductor elements respectively; the primary bolts of the compound bolts serving to fasten the conductor members and the secondary bolts as terminals; non-conductor plate in each end bore covering connectors interposed between terminals.

2,474,071
POWER SPRINKLER
Allyn F. Stetson, Chicago, Ill.
Application March 22, 1946, Serial No. 656,189
4 Claims. (Cl. 299—47)



1. A power sprinkler comprising a carriage having wheels thereon, a transmission on said carriage including upper and lower gear boxes, an internal combustion engine on said carriage, a driving connection between said engine and transmission for driving said transmission, means connecting the gears in said lower gear box with the wheels for driving the carriage, a movable spray nozzle on said carriage, means connecting said nozzle with the gears in said upper gear box for actuating said nozzle, a pump on said carriage connected to a source of water supply, conduit means connecting said pump with said nozzle, means connecting said pump with said transmission for driving the pump to supply water to said nozzle, and clutch means for disengaging the driving connection between said transmission and said engine.

2,474,072
AIR BEARING GYROSCOPE
George H. Stoner, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware
Application February 7, 1946, Serial No. 646,083
6 Claims. (Cl. 74—5.7)



1. A pneumatic bearing gyroscope or the like comprising a pair of concentric spherical ball

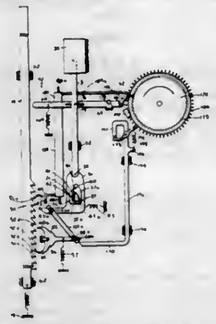
segments fixedly supported on a conduit and defining a fluid chamber intermediate said spherical ball segments, means for supplying pneumatic pressure to said fluid chamber including an orifice connecting said fluid chamber with said conduit, and a gyroscope wheel normally pneumatically supported on said spherical ball segments comprising a pair of opposed disk elements forming an annular fluid chamber communicating with said intermediate fluid chamber and each having an outer flange and an interior spherical segment, propulsion orifices adjacent to each of said outer flanges communicating said annular fluid chamber with the atmosphere and adapted to rotate said gyroscope wheel, passages intermediate said interior spherical segments and said spherical ball segments communicating said annular fluid chamber with the atmosphere and adapted to pneumatically support said gyroscope wheel centrally on said spherical ball segments, and means for holding said pair of disk elements in opposed engagement.

2,474,073
HIGH-VOLTAGE TESTER AND INDICATOR
Edward V. Sundt, Chicago, Ill., assignor to Littelfuse, Incorporated, a corporation of Illinois
Application December 13, 1946, Serial No. 716,160
4 Claims. (Cl. 175—183)



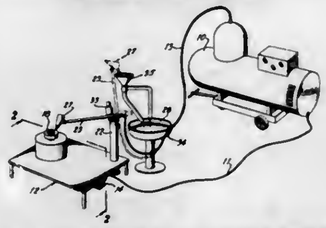
4. A high voltage tester and indicator comprising a transparent supporting tube of insulating material, a first contact secured to one end of the supporting tube to be subjected to the high voltage potential, a second contact secured to the other end of the supporting tube to be subjected to ground potential, a washer of insulating material carried in the supporting tube and engaging the first contact to form a spark gap, a metallic cap carried in the supporting tube and engaging the washer, a gas tube carried in the supporting tube, a spring for electrically connecting the cap to one end of the gas tube, a second gas tube carried in the supporting tube, a spring connecting one end of the second gas tube to the other end of the first gas tube, a spring connecting the other end of the second gas tube to the second contact, an indicating strip secured in the supporting tube by the metallic cup and the second contact, and resistance material on the indicating strip throughout a portion of its length to be engaged by the spring connecting the first and second tubes and by the second contact.

2,474,074
APPARATUS FOR CONTINUOUSLY PREDICTING TRENDS IN OBSERVED DATA
David E. Sunstein, Elkins Park, Pa., assignor to Philco Corporation, a corporation of Pennsylvania
Application April 28, 1945, Serial No. 590,811
8 Claims. (Cl. 177—311)



1. In a system for production control, means for testing devices being manufactured for a predetermined characteristic and for classifying each of said devices tested into one of a plurality of groups, each group representing numerical differences of the tested characteristics of the devices, a distribution curve producing mechanism, a storage mechanism for indicating the particular sequence of groups into which the characteristics of the tested device falls, means for operating both said mechanisms under control of said testing means, and means controlled by said storage mechanism and operative after a predetermined number of tests have been made for deleting from said curve producing mechanism the portion of the curve produced by the earliest reading affecting the curve.

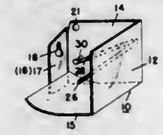
2,474,075
WELDING APPARATUS
Hyrum M. Talley, Alhambra, Calif.
Application May 7, 1948, Serial No. 25,730
5 Claims. (Cl. 219—8)



1. A welding apparatus comprising supporting means on which the work is adapted to be positioned, means for rotating the supporting means about a vertical axis, a resilient arm pivotally mounted adjacent the supporting means for swinging movement downwardly and toward the axis of rotation of the work, means providing a stop against which the arm rests in operating position, the resiliency of the arm permitting

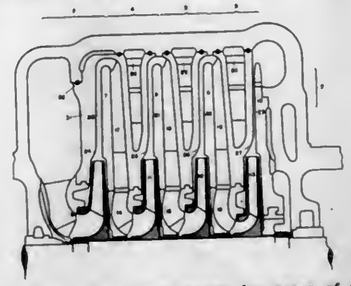
the arm to be sprung toward the work to a position beyond that permitted by the stop when the arm is unsprung in drawing an electric arc, a hopper carried by the arm adapted to contain flux to be discharged therefrom against the work, and means for feeding a welding electrode through the hopper and the flux therein.

2,474,076
DISPENSING CONTAINER
Claude H. Thompson, Binghamton, N. Y.
Application December 17, 1946, Serial No. 716,703
7 Claims. (Cl. 312—39)



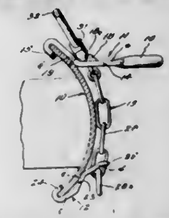
1. A dispensing container for a roll of paper and like strip material, comprising a one-piece container body having a front wall, end walls integral with the front wall, attaching tabs integral with the end walls providing for attachment of the container body to a vertical supporting surface which serves to close the rear of the container body, and a bottom wall integral with said front wall and being inclined upwardly in its rear edge portion so as to bear against the front faces of the attaching tabs and thereby derive support from said tabs.

2,474,077
COMPRESSOR WITH INTERCHANGEABLE STAGE ELEMENTS
William E. Trumpler, Olean, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application January 15, 1945, Serial No. 572,870
3 Claims. (Cl. 230—130)



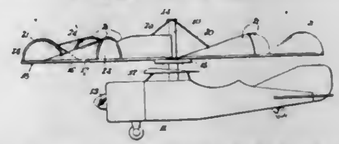
1. A centrifugal compressor for gases of the character described including a plurality of stages of compression, each stage occupying an equal distance within the casing of the compressor, removable diaphragm assemblies for the respective stages, a fixed diffuser wall serving as an outer wall for the diffuser passage of one stage and as an outer wall for the inlet passage of the succeeding stage, each diaphragm assembly in any stage being removable and replaceable by a diaphragm assembly of different conformation, the distance between diffuser walls of any two adjacent stages remaining the same regardless of changes in diaphragm assemblies.

2,474,078
ADJUSTABLE HITCH CLAMP
Earl Wilcox, Jr., Grand Junction, Colo.
Application August 21, 1947, Serial No. 769,948
2 Claims. (Cl. 280—33.44)



1. An adjustable tow clamp comprising a pair of jaw members, each of said jaw members being in the form of a relatively long plate having a portion of one end turned back to form a hook, one of the jaw members at its other end being formed to provide an eye for the attachment of a tow line thereto, the said one of the jaw members being bent transversely intermediate its ends to provide two obliquely angled portions, a slot formed in and extending longitudinally of the said one of the members, a chain connected at one end with the other one of the members, a relatively long threaded bolt connected to the other end of the chain and extending through said slot, a shoulder block disposed transversely of the said one of the members in the angle between the two portions, the shoulder block having an opening therethrough for the reception of said bolt, and a nut threaded upon the bolt and bearing against the shoulder block.

2,474,079
ROTATING WING FOR AIRCRAFT
Christopher R. Wilson, Philadelphia, Pa., assignor of one-half to Harry Waldman, Philadelphia, Pa.
Application September 8, 1944, Serial No. 553,223
1 Claim. (Cl. 170—135)

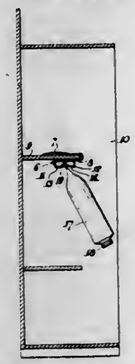


An aircraft wing comprising radial struts, concentric rings supported by said struts and constituting a frame, a plurality of scoops mounted on said frame in spaced relation, said scoops each including a top comprised of rigid outer, inner and end walls with pliable sides connected to the top and their respective rings, said top being hingedly connected at the rear to the frame, toggle levers connected to the forward ends of the scoop tops and to the frame, and means to raise and lower the forward ends of said tops.

2,474,080
HOLDER FOR COLLAPSIBLE TUBES
George W. Witte, Philadelphia, Pa.
Application May 4, 1945, Serial No. 592,019
1 Claim. (Cl. 248—108)

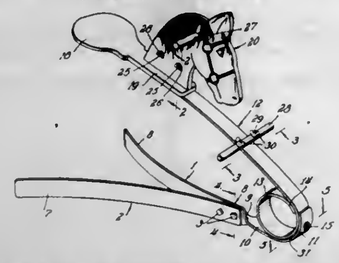
A holder for collapsible tubes comprising upper and lower horizontally spaced legs constituting a

spring clamp and being bendable whereby a vertical extension may be formed from the free end of the upper leg, a pair of arms depending from the lower leg of said spring clamp and a jaw projecting inwardly from each arm, one of which is horizontal and the other slightly inclined where-



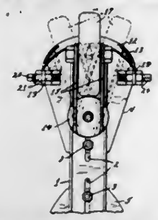
by the inner edge thereof is normally above the horizontal one to provide a normally open mouth between said jaws, the movement of the inclined jaw towards alignment with the companion jaw tending to close the mouth.

2,474,081
ONE-PERSON SEESAW
Morris D. Wolf, Chicago, Ill.
Application August 17, 1945, Serial No. 610,969
3 Claims. (Cl. 272—55)



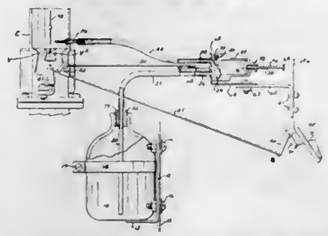
2. In a toy, the combination of a base comprising two base members of flat metal spring stock having their widths disposed vertically and secured together forwardly in face-to-face and correspondingly lineally extending relation and diverging horizontally and rearwardly from the region at which they are secured together to form the base, one of said base members extending and being twisted forwardly of said region to dispose the width of its forward portion horizontally and having said forward portion curved lineally and facewise thereof upwardly into a part coil, and a spring bar of flat metal spring stock having its width disposed horizontally and carrying a seat rearwardly thereon and having its forward end portion curved lineally and facewise thereof and downwardly therefrom into the form of a coil engaging underneath the adjoining portion of the spring bar, said spring bar coil being seated in said part coil with said spring bar extending from the top of said spring bar coil upwardly and rearwardly over said base and being secured with said part coil in the region of the extending end of said part coil with said spring bar extending as aforesaid.

2,474,082
SKATE
John Wutz, Chicago, Ill.
Application March 29, 1946, Serial No. 658,315
1 Claim. (Cl. 280—11.19)



A skate comprising a chassis, means for supporting the same on a shoe, a front truck bracket rigidly secured to the chassis, wheels supported thereon, a ball bearing caster bracket supported on the rear portion of the chassis, a rear wheel supported on the caster bracket, brackets secured on opposite sides of the rear portion of the chassis, and adjustable means carried by the brackets and positioned on opposite sides of the caster bracket in position to be contacted thereby to limit the swinging movement thereof.

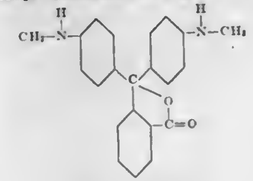
2,474,083
AUXILIARY CHARGING DEVICE FOR INTERNAL-COMBUSTION ENGINES
Merritt A. Zimmerman, Cleveland, Ohio, assignor to Associated Laboratories, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 9, 1946, Serial No. 695,584
4 Claims. (Cl. 261—18)



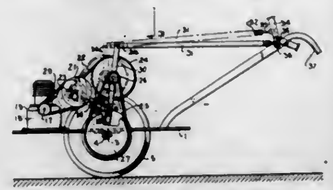
3. An auxiliary fluid injector for an internal combustion engine, comprising a container for liquid, an injector nozzle extending into the carburetor, a reciprocating pump and tubular connections between the container and pump and between the pump and nozzle, means rigidly mounting the pump with relation to the carburetor, the pump having an actuating rod extending outside the pump and movable axially toward and away from the carburetor, a yoke member bridging across said actuating rod and movable with relation thereto and connected therewith for reciprocating the rod, a link attached to said yoke member and adapted to be connected to the usual throttle rod for the carburetor, a spring for moving the pump rod in one direction to inject fluid when the throttle rod yoke and link are moved, means for returning the pump rod in counter movement, and clamping means adjustable along the throttle rod and to which said link is connected whereby movement of the carburetor throttle actuates the pump to force liquid under spring pressure into the injector nozzle.

2,474,084
SECONDARY AMINES OF 3,3 BIS (P-AMINOPHENYL) PHTHALIDE
Clyde S. Adams, Yellow Springs, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
No Drawing. Application April 12, 1945, Serial No. 588,077
5 Claims. (Cl. 260—344.6)

5. The secondary amine 3,3 bis (p-methylaminophenyl) phthalide having the structure

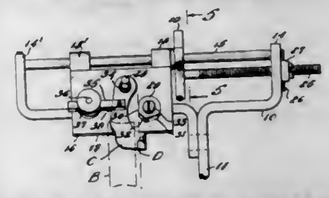


2,474,085
TRACTOR DRIVE MECHANISM
Glenn Albright, Detroit, Mich.
Application February 13, 1946, Serial No. 647,232
2 Claims. (Cl. 180—70)



1. In a vehicle drive mechanism, a frame, a power plant mounted on said frame, a traction wheel supporting the frame, an arm upstanding from and pivoted substantially at the axis of the traction wheel, a second arm pivoted on and forwardly extending from the first-mentioned arm, a shaft journaled on the forward portion of the second arm, a driven pulley on said shaft, a driving pulley mounted on and driven by the power plant, a belt forming a drive connection from the driving pulley to the driven pulley, a shaft journaled on said upstanding arm, a chain establishing a drive to the last-mentioned shaft from the first mentioned shaft, a chain establishing a drive from said chain-driven shaft to the traction wheel, means for regulating the length of said upstanding arm to adjust the tension of the last-mentioned chain, means for pivotally adjusting said upstanding arm to regulate the tension of said belt, and means for pivotally adjusting said forwardly projecting arm to regulate the tension of the first-mentioned chain.

2,474,086
BREAKER POINT REFACING DEVICE
Hiram C. Bartlow, Sr., New York, N. Y.
Application July 3, 1947, Serial No. 758,913
3 Claims. (Cl. 51—125)



2. In a device for grinding and trueing breaker points, a base, a grinding wheel mounted for rotation on said base, a rod supported by said base, a carriage mounted on said rod for pivotal swinging and longitudinal reciprocatory movements, said carriage including a plate having an upwardly projecting stud for receiving the apertured ends of breaker point arms with the arms disposed upon said plate and having a cam element affixed thereto and provided with cam faces corresponding to the cam of the distributor head which actuates said breaker point arms when in use, said breaker point arms being adapted to be rotated on said stud to align the breaker points thereof with one of the cam faces of said cam element, clamping means for securing said breaker point arms in aligned position on said plate, a screw affixed to said carriage for imparting reciprocatory movement thereto to thereby move the breaker points into engagement with said grinding wheel when the carriage is swung towards the wheel.

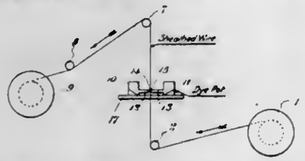
2,474,087
PREPARATION OF SILICON HALIDES
Arthur J. Barry and John W. Gilkey, Midland, and Lee De Pree, Holland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application May 16, 1947, Serial No. 748,646
5 Claims. (Cl. 260—448.2)

1. The method which comprises reacting a halohydrocarbon of the group consisting of alkyl halides and aromatic halohydrocarbons and a polyhalopolysilane containing a silicon-silicon linkage, all valences of the silicon atoms which are not satisfied by such linkage to other silicon atoms being taken up by halogen atoms, in liquid phase at a temperature above 100° C. to produce a polyhalomonosilane, containing a monovalent organic radical attached to the single silicon atom in the molecule through a carbon-silicon bond.

2,474,088
STRIPING OF VINYL RESIN COATED WIRES WITH KETONE DYE SOLUTIONS
Richard J. Brown, Hastings on Hudson, N. Y., assignor to Anaconda Wire and Cable Company, a corporation of Delaware
Application November 15, 1944, Serial No. 563,542
2 Claims. (Cl. 8—4)

1. The method of applying at least one identifying colored stripe to the exterior of a sheath of resinous material from the class consisting of polyvinyl chloride and copolymerized vinyl chloride-vinylacetate resins surrounding a wire, which comprises applying to the exterior of the sheath a stripe consisting of a highly volatile liq-

uid ketone in which the resinous sheath is soluble and which contains in solution an organic dye, maintaining the sheath in contact with the solution for only a sufficient period of time to effect the penetration of the solution and dye into a thin surface layer at the exterior of the sheath

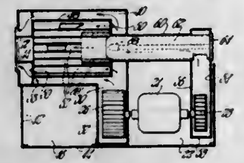


along the stripe, and evaporating the ketone from the solution substantially completely within three to five seconds after the solution has been applied to the sheath, thereby forming a sharply defined colored stripe at the surface of the sheath while leaving the remainder of the sheath unaffected by the dye.

2,474,089
PRODUCTION OF AMMONIA SALTS OF MALEIC ACID
Boyce G. Carson, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 18, 1946, Serial No. 697,824
8 Claims. (Cl. 260—537)

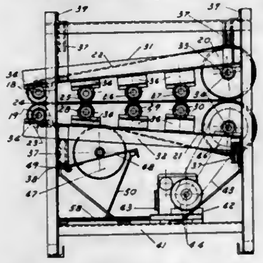
1. The process of manufacturing ammonium salts of maleic acid which comprises agitating a subdivided mass of solid maleic acid, maintaining the temperature of the mass below the temperature where subdivided maleic acid agglomerates, and passing ammonia gas derived by volatilization of liquid ammonia into contact with the maleic acid until non-hygroscopic ammonium salt of said acid is formed.

2,474,090
MULTIPLE TUBE FORCED-DRAFT AND AIR FLOW AIR HEATER
George Irving Carter, Longmeadow, Mass., assignor to Harvey-Whipple, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application December 4, 1944, Serial No. 566,543
3 Claims. (Cl. 126—109)



1. Heating apparatus for securing to the ceiling comprising in combination, connected together adjacent and opposite side and end walls forming an air chamber, connected together adjacent and opposite side and end walls within the said chamber spaced from the walls thereof forming a horizontal combustion chamber and an air space therearound, an outer air flue extending from one end wall of the air chamber and an inner flue therein and spaced therefrom extending from an adjacent end wall of the combustion chamber forming an air space between said flues leading from said air chamber, an air tube for a fuel nozzle extending through the other end wall of the air chamber and through the air space into an adjacent end of the combustion chamber and having an outer end spaced outwardly from the other end wall of the air chamber, a plurality of horizontal tubes extending between opposite end walls of and passing through the combustion chamber having open ends in communication with said air space, and means for delivering air to the air chamber, and separate means for delivering air to said air tube.

2,474,091
MACHINE FOR PROCESSING STORAGE BATTERY PLATES
Melvin F. Chubb, Joplin, Mo., assignor to The Eagle-Picher Company, a corporation of Ohio
Application February 25, 1944, Serial No. 523,933
4 Claims. (Cl. 34—71)

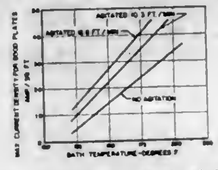


1. A battery plate processing machine comprising a frame, upper and lower cross members within said frame, a pair of larger rolls arranged to form a nip at one end of said frame and rotatably supported by the latter, a pair of smaller rolls arranged to form a nip at the opposite end of the frame and rotatably supported by the latter, an absorbent fabric belt disposed about each roll pair comprising a larger and a smaller roll, said belts being arranged to run in a parallel abutting relation for a substantial part of their travel, two spacing beams separating each larger and smaller roll at opposite sides thereof, bearing surfaces for said rolls in the end portions of each of said spacing beams, two series of pressure-increasing rolls supported by each pair of spacing beams and each series making contact with one of said belts at the parallel running portion thereof, and a plurality of floating mountings arranged cooperatively on the cross members of the frame and substantially the ends of the spacing beams whereby to anchor each assembly of spacing beams, rolls and belt against horizontal movement but free to allow limited vertical movement and easy removability of each assembly from the frame.

2,474,092
COMPOSITION FOR AND METHOD OF ELECTRODEPOSITION OF LEAD
Andrew W. Liger, Westboro, Mass., assignor, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio, a corporation of Delaware
Application October 11, 1943, Serial No. 505,824
5 Claims. (Cl. 204—53)

5. The process which comprises electrodepositing lead from an aqueous alkaline solution containing alkali metal plumbite in concentration

equivalent to about 6 oz./gal. of PbO and about 0.03 oz./gal. of a betaine selected from the group



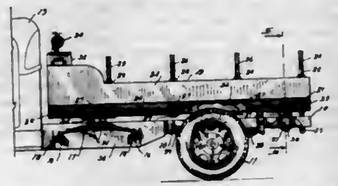
consisting of trimethyl-c-cetyl alpha-betaine, trimethyl-c-decyl alpha-betaine, and dimethyl-N-lauryl alpha-betaine.

2,474,093
METHOD OF PLASTICIZING KNITTED GOODS MADE FROM THERMOPLASTIC YARN
Albert Edward Collidge, Edwin Charles Dawes, and Thomas Archibald Gilbert, London, England, assignors to The Klinger Manufacturing Company Limited, London, England, a British company
Application July 31, 1944, Serial No. 547,408
In Great Britain May 2, 1944
4 Claims. (Cl. 223—60)



1. A process for plasticizing knitted articles made from thermoplastic yarns which process consists in passing the articles over and on to formers each of which provides a continuous black body surface to underlie the article to be plasticized on the formers, and subjecting the articles on their black-body formers to externally applied radiant heat.

2,474,094
COMBINATION WATER TANK AND TRUCK BODY
Odie Colquitt, Denver, Colo., assignor to Patents, Inc., Denver, Colo., a corporation of Colorado
Application August 27, 1946, Serial No. 693,355
2 Claims. (Cl. 280—5)

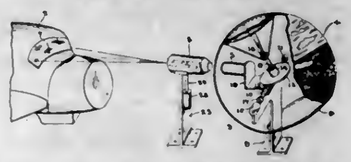


1. Means for mounting a tank on an automotive chassis comprising: a vertical side plate secured to each side of the forward portion of said chassis and extending therebelow; a pair of spaced-apart spring brackets secured to and projecting outwardly from each of said side plates; a leaf spring secured to and extending between each pair of brackets, said leaf springs being arched upwardly; a spring rest secured to each side of said tank adjacent the forward extremity thereof, each spring rest being secured to the mid-portion of one of said springs; and cushion means supporting the rear of said tank from said chassis.

2,474,095
PRODUCTION OF POLYVINYL KETALS
William Robert Cornthwaite and Nestor Winston Flodin, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 27, 1944, Serial No. 565,400
6 Claims. (Cl. 260—66)

1. A process for the production of a ketal which comprises mixing, in the presence of an acid catalyst, as the sole reactants, a vinyl alcohol-containing polymer and a diketone taken from the group consisting of diacetyl, acetyl acetone, and acetonyl acetone, the diketone being present in excess of the theoretical amount necessary to react with the said polymer, and heating the mixture at a temperature between 50° C. and 250° C., whereby a yield of about 50% of polyvinyl ketal containing an unreacted aliphatic ketone group may be obtained in a reaction period of four hours.

2,474,096
OPTICAL TRAINING APPARATUS
Richard C. Dehmel, Summit, N. J.
Application April 17, 1945, Serial No. 588,788
4 Claims. (Cl. 35—12)

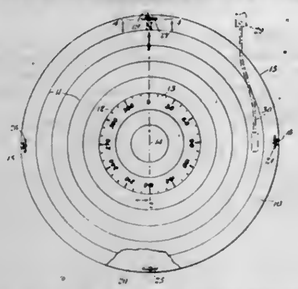


2. Aircraft training apparatus comprising an element having a spherical surface presenting a terrestial scene, means for moving said element in a direction representing pitch, means for moving said element in a direction representing turn, a source of illumination adjacent to said element, projection apparatus associated therewith, means for operating said projection apparatus independently of said terrestial scene element to represent roll, and a screen upon which a portion of said scene is projected.

2,474,097
CHART HOLDER
Richard Carl Dehmel, Summit, N. J.
Application May 21, 1946, Serial No. 671,278
1 Claim. (Cl. 346—137)

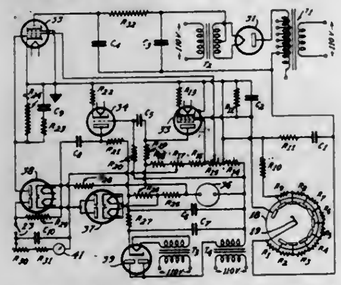
In recording apparatus, a recorder chart holder for a replaceable semi-flexible chart, said chart having a continuous central surface and having positioning notches at the periphery thereof, comprising a plate-like support having a flat bearing surface, and a plurality of pin-like elements mounted in fixed spaced relation on said surface around the periphery of said support constituting the sole means for orientating, driving and snugly holding said chart in position, said elements each comprising a T-shaped structure arranged so that the leg of the T is secured in upright relation to said support and corresponds in cross-sectional shape to the corresponding chart notch so as to fit

snugly therein for orientating and driving said chart, and the flange of the T at its opposite ends overhangs the chart material so that the clearance between said flange and the support surface corresponds to the thickness of the chart material



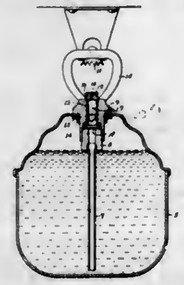
for holding said chart snugly against said support surface whereby the flange holds said chart so that it lies flat and smooth against said holder and is precluded from wrinkling under chart operating conditions.

2,474,098
PHOTOMETRIC MEASUREMENT OF LIGHT VALUES USING AUTOMATIC GAIN CONTROL IN PHOTOMULTIPLIER TUBES
Glenn L. Dimmick, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application March 29, 1946, Serial No. 657,974
3 Claims. (Cl. 88—14)



1. Apparatus for comparing light values received from a standard and from a test sample comprising a multistage photomultiplier tube including a photosensitive cathode, an anode and a plurality of dynodes, means for directing pulses of light alternately from said standard and from said sample to said cathode, means including a measuring circuit connected to said anode for measuring the relative intensity of the light pulses received from said test sample, means for applying potentials to each of said dynodes, means synchronized with the pulses received from said standard for varying the potentials on said dynodes such that the gain of said tube varies in inverse ratio to the intensity of light received by said cathode from said standard, and means for maintaining the value of said gain constant during the time light pulses are directed from said sample to said cathode.

2,474,099
FIRE EXTINGUISHER
Howard Waters Doughty, Amherst, Mass., assignor to Firetox Company, Holyoke, Mass., a corporation of Rhode Island
Application September 9, 1947, Serial No. 772,969
2 Claims. (Cl. 169—26)



1. In an automatic fire extinguisher adapted to release a fire extinguishing liquid under pressure generated by increase in temperature in the vicinity of the extinguisher to a predetermined point, a metallic receptacle for the fire extinguishing liquid and a pressure generating agent, a distributor head having a discharge passage extending therethrough, a thin metallic diaphragm sealing said passage and adapted to be ruptured by increase in the surrounding temperature and the resulting pressure developed in the container, a tube extending into and affording an outlet for the fire extinguishing liquid, one end of the tube bearing against the diaphragm and holding it in position to seal the passage through the distributor head, the tube being of electrically non-conducting material whereby electrolysis between the diaphragm and the tube is substantially inhibited.

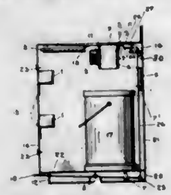
2,474,100
ICE DISINTEGRATING UTENSIL
Frank W. Earnest, Jr., Wilkes-Barre, Pa.
Application March 18, 1948, Serial No. 15,522
1 Claim. (Cl. 241—168)



A hand tool for disintegrating ice cubes into relatively small fragments, comprising a rigid hand grip to be held by the user, a relatively massive spheroidal impact member forming an impact point focus area, and an elongated handle forming a rigid connection with said grip and with said impact member, and medially alined with said focus point area, said handle being formed of flat spring metal to vibrate flatwise rapidly in response to oscillation imparted to said handle by the user, whereby a succession of closely spaced taps are produced on an ice cube to cause disintegration thereof.

2,474,101
KITCHEN CABINET HAVING TOP OPENING WITH PEDAL OPERATED CLOSURE
Harry A. Frothingham and Harriett C. Frothingham, Stamford, Conn.
Application April 9, 1946, Serial No. 660,702
1 Claim. (Cl. 312—192)

In a kitchen unit, the combination of a cabinet having side walls and a bottom and having a closed base below its bottom, a door hinged on the cabinet and covering its entire front, a top to the cabinet having an opening in the center of pitched drains leading into said opening, a funnel leading from the bottom of said opening, a hinged cover mounted over said opening, a garbage container encased in said cabinet directly beneath said funnel, a foot operated fulcrumed lever mounted in said space between the bot-



tom and base of said cabinet and hingedly connected to a push rod at the base of said push rod, a toggle connected to the upper end of said push rod, the other end of said toggle being connected by a hinge to a lever extending from an edge of said hinged cover and a spring connected at its lower end to a bracket supporting the upper end of the push rod and the other end of the spring being secured to the push rod.

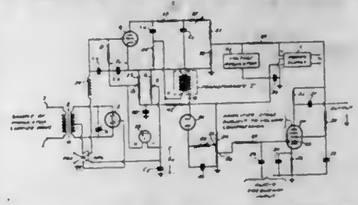
2,474,102
STOVE MAT
Benjamin Gershon, Chicago, Ill.
Application October 8, 1945, Serial No. 620,958
4 Claims. (Cl. 45—68.4)



3. A mat-like article of the class described including a sheet member having a plurality of corners and a pair of marginal flanges adjacent each corner thereof which are adapted to be folded back upon said sheet member and pressed into permanently folded relationship therewith, said flanges of each pair being formed to have their adjacent marginal edges disposed in obtuse relationship with one another prior to the folding thereof, and a separate angle-shaped insert member for each of said corners, each of said insert members being formed from a unitary rod of spring-like material to have a central portion and leg portions on the opposite ends thereof, said central portions consisting of loops which are sharply bent out from the inner ends of their attached leg portions so as to provide spaced notches therebetween which receive the adjacent portions of each pair of said flanges, said leg portions being tensioned inwardly by said folded flanges so as to be locked firmly within the folds.

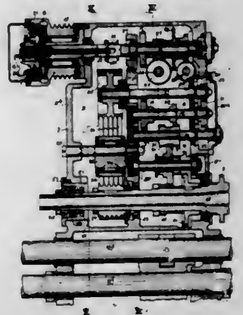
2,474,103
SYSTEM FOR VOLUME COMPRESSION
George K. Graham, Oceanside, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 27, 1944, Serial No. 560,679
9 Claims. (Cl. 332—38)

1. In a modulated carrier wave signaling system in combination with a variable gain amplifier, means including a circuit device coupled to a transmission line in said system and responsive to variations in the modulation level of signals transmitted through said line for controlling the gain in said amplifier, said device including apparatus for rectifying a component of the modulated carrier wave energy and a gaseous discharge tube having circuit parameters such that it becomes ignited by failure of said energy component to maintain a predetermined negative bias on its input circuit when such failure is accompanied by the impress of a critically high cathode-anode voltage on its output circuit, said apparatus also including two resistively interconnected



capacitors of different capacitive ratings and a discharge circuit for the smaller of the two capacitors through the ionization path of said tube, the smaller capacitor being chargeable from the larger capacitor up to a voltage sufficient to ignite said tube, a direct current source, an impedance circuit connected across the terminals of said source and including the larger capacitor for charging the same, and means for rectifying a derivative of the discharge current from the smaller capacitor and applying the same to vary the gain in said amplifier and to produce volume compression therein only when the modulation level exceeds a predetermined percentage.

2,474,104
DRIVE MECHANISM FOR AUTOMATIC LATHES
William F. Groene, Cincinnati, and Harry C. Kemper, Goshen Township, Clermont County, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Original application February 10, 1943, Serial No. 475,342. Divided and this application August 23, 1944, Serial No. 550,776
13 Claims. (Cl. 74—640)



1. In a headstock for lathes, a two compartment casing, a drive shaft journaled in said cas-

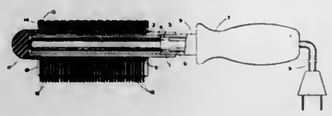
ing, a work spindle in said casing, a belt drive in one compartment of said casing connecting said shaft and spindle and including a pulley on said spindle, a gear drive in the other compartment connecting said shaft and spindle bearings in said casing journaling said spindle on both sides of said pulley, and a demountable means carrying one of said bearings in the casing so as to provide a space around said spindle through which belts on said pulley may be removed and replaced when said means is demounted.

2,474,105
APPARATUS FOR CASTING DENTAL RESTORATIONS
Irving Hordes, Yonkers, N. Y.
Application April 19, 1947, Serial No. 742,696
6 Claims. (Cl. 18—5.7)



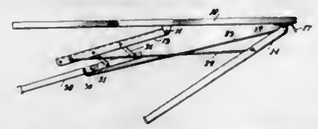
1. In apparatus of the character described, a disc member having a central screw threaded opening, cavity and sprue forming members on said disc member consisting of a hollow metal cylindrical member having a restricted opening at one end, a cylindrical member inside of said hollow member and having a central passage, a tapered slitted neck portion projecting outwardly through said restricted opening and a screw threaded portion projecting outwardly through the other end of said hollow member, a pin detachably mounted in said passage and projecting outwardly of said neck portion and a wax pattern on the projecting end of said pin, the screw threaded portion of said inner cylindrical member being adapted to coact with the screw threaded opening of said disc member for moving said inner cylindrical member lengthwise of the hollow member and the diameter of said restricted opening being so proportioned relative to said tapered neck whereby said tapered slitted neck portion is contracted and pressed into gripping relation with said pin.

2,474,106
HEATING AND PRESSING COMB
Herman F. Jackson and Thomas F. Spencer, Detroit, Mich.
Application April 17, 1948, Serial No. 21,738
5 Claims. (Cl. 132—14)



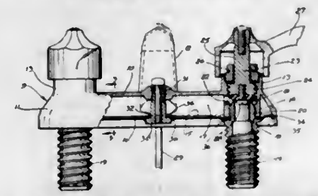
5. A grooming device comprising a tubular supporting member, electric heating means in said member, a plurality of sheet material teeth rigidly mounted on said supporting member, and a pressing pad surrounding said teeth.

2,474,107
FOLDING SUPPORT FOR IRONING BOARDS, AND THE LIKE
Udo K. Johannsen, Cortland, N. Y., assignor to Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York
Application July 26, 1945, Serial No. 607,224
2 Claims. (Cl. 38—117)



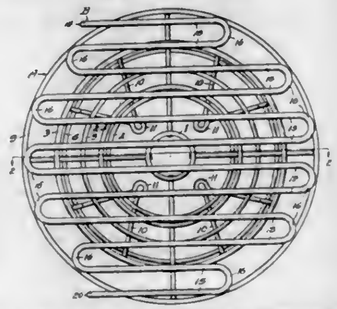
2. A folding table including in combination a deck, a leg pivotally connected at its upper end to the underside of said deck and in one extreme position extending downwardly and outwardly with respect to said underside, said leg including an upper and a lower portion, links of substantially similar lengths each having one end pivotally connected to the upper of said portions at points spaced in the length of the latter and with their opposite ends similarly connected to the lower of said portions, said links and leg portions all projecting in directions parallel to each other in said one extreme leg position, means for preventing the movements of said links and portions beyond such parallel direction, said leg in its opposite extreme position extending substantially parallel and beside the under face of said deck and with the lower leg portion having the major part of its body disposed adjacent the body of the upper portion, a second leg also pivotally secured to the underside of said deck at a point spaced from the pivot of said first leg, a pair of rods, one having one end pivotally connected to the lower of said first leg portions, its opposite end being connected substantially in line with the pivot of said second leg and the other of said rods having one end pivotally connected to the second leg at a point spaced from the pivot thereof, its body crossing said one rod and having its opposite end pivotally connected to the uppermost of said leg portions whereby as said second leg is swung around its pivot the portions of said first named leg will be moved from one to the other of said extreme positions.

2,474,108
MIXING SPOUT FIXTURE FOR WASHBASINS
Abraham Kadish, Long Island City, N. Y.
Application September 19, 1946, Serial No. 697,893
5 Claims. (Cl. 137—111)



4. In a plumbing fixture, an elongated hollow casing having an open side, a tubular boss located within and adjacent each end of said casing and formed integrally therewith, a plate secured to said casing closing the open side thereof to form a mixing chamber within the casing, said plate engaging said bosses and having openings in alignment with the openings through said bosses, said bosses having apertures leading into said mixing chamber, and nipples extending through said openings in said plate and secured in the outer ends of said bosses and having valve seats at the inner ends thereof for admitting hot and cold water to said mixing chamber through the apertures in said bosses.

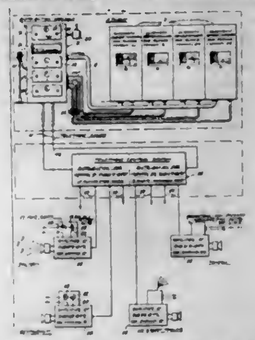
2,474,109
REFRIGERATED FAN GUARD
Nellie G. Keller and William J. Keller, St. Louis, Mo.
Application July 30, 1946, Serial No. 687,084
1 Claim. (Cl. 257—259)



An evaporator coil adapted to be mounted upon and fixed to the front face of an electric fan guard, said coil comprising a single length of tubing formed to provide spaced straight horizontal runs of various lengths on opposite sides of the horizontal centerline of the evaporator, said runs connected at their ends by curved bends, and the horizontal runs adjacent the curved bends being curved rearwardly to arrange the curved bends to lie in a circular outline to the rear of the spaced straight horizontal runs.

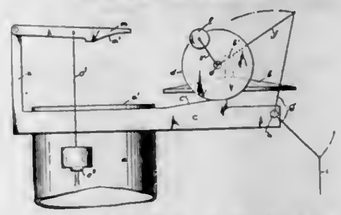
2,474,110
CENTRALIZED MUSIC TRANSMISSION SYSTEM
Samuel K. Lackoff, Astoria, N. Y., assignor to Telomatic Products, Inc., Passaic, N. J., a corporation of New Jersey
Application November 25, 1946, Serial No. 712,217
15 Claims. (Cl. 179—6)

1. A music reproduction system comprising a distribution console provided with an automatic selector for selecting pre-arranged program music of different types at preselected intervals, an automatic record changer connected to said automatic selector and operable to reproduce the pre-arranged program of the type as selected by said automatic selector, a distribution amplifier carried by said console and conected to said automatic record changer for amplifying and distributing the reproduced music from the latter and of the type selected at any moment by said automatic selector over a single telephone line channel to local subscriber stations, an emergency amplifier carried by said console and connected to said distribution amplifier and adapted to automatically and instantaneously operate upon failure of said distribution amplifier to amplify and distribute the reproduced music at the moment supplied by said automatic record changer to said distribution amplifier, and means comprising a firing arrangement forming part of said distribution amplifier and connected to said



emergency amplifier for operating the latter upon failure of said distribution amplifier for any reason.

2,474,111
STACK VALVE OF WATER GAS GENERATORS AND THE LIKE
Frank Alexander MacGregor, Westminster, England, assignor to Humphreys & Glasgow Limited, Westminster, England
Application July 24, 1945, Serial No. 606,778
In Great Britain August 9, 1944
7 Claims. (Cl. 48—87)

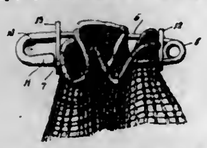


1. A stack valve which is carried by wheels running on tracks extending laterally alongside the stack and wherein an arm that is fixed to an axle on which the wheels are mounted is jointed to a bell crank and has the valve jointed to it intermediate of the axle and bell crank, other arms being fixed at an angle to the arm carrying the valve and in such relation to loaded levers formed with cam paths that, during the latter part of the valve closing movement, the said arms raise the loaded levers, the angular movement of the bell crank being such that, after the valve has reached its seating, the wheels are lifted from the tracks by the arm to which the valve is jointed being caused to pivot about the pin attaching the valve to it.

2,474,112
SAFETY PIN
Guy D. Marrocco, Brooklyn, N. Y., assignor to Carman & Co., Inc., New York, N. Y., a corporation of New York
Application June 28, 1945, Serial No. 602,059
3 Claims. (Cl. 24—150)

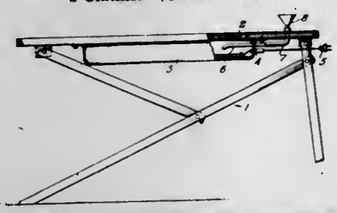
3. A safety pin including a pair of arms resiliently connected to each other adjacent one of

their ends, a clasp mounted by the opposite end of one of said arms, a trough portion forming a part of said clasp to receive and releasably retain the adjacent end of the second arm, a guard comprising a plate extending substantially transversely with respect to the pin axis and mounted by and against any movement with respect to said one arm at a point immediately adjacent the clasp carried by the latter, said plate being formed with a tapered recess disposed in line with said trough portion and defining between its edges a space in excess of the transverse area



of said portion, said recess being flared in the direction of the second arm and extending to the edge of said plate, and a second plate also extending substantially transversely with respect to the pin axis and mounted by and against movement with respect to said one arm, said latter plate being disposed at a point immediately adjacent the point of connection of said arms and being formed with a slot extending through to its edge and in the direction of movement of the second arm and to permanently receive the latter.

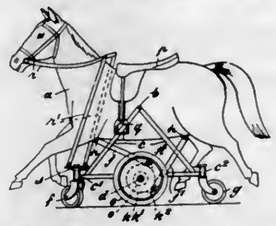
2,474,113
ELECTRIC STEAMING STAND
Lloyd I. Osipow, Bronx, N. Y.
Application May 9, 1947, Serial No. 747,041
2 Claims. (Cl. 219—40)



1. An electric steaming stand comprising an ironing board or other stand having a perforated or porous top to permit passage of steam, a vessel opening onto and affixed to the underside of said top, and a tube or pipe passing through a wall of the vessel and connected to a water feed, said vessel containing and being electrically insulated from an electrolyte and a pair of spaced electrodes, with means for connecting the electrodes to a source of alternating current.

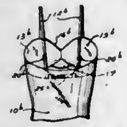
2,474,114
ROCKING HORSE
Jack Ransom, Cardiff, Wales, assignor of one-third to Eric Sanders, Dunnington, and one-third to Ernest Geoffrey Helliwell, Tettenhall, England
Application December 22, 1945, Serial No. 636,854
In Great Britain November 17, 1945
5 Claims. (Cl. 280—1.19)

1. A self-propelled child's vehicle comprising, in combination, a wheeled base having a drive shaft journaled near its center, at least one driving wheel on said shaft, a framework erected on said base, an animal figure rockingly mounted on said framework at a point above said shaft, a uni-directional clutch comprising a driven member mounted on said shaft and driving members rotatably journaled relative to said driven member, rolling elements frictionally engageable between said driving and driven members when said driving members are rotated in a forward motion producing direction, and at least two links con-



necting said figure to said driving members of said clutch, the upper ends of said links being pivotally connected to said animal figure at points spaced laterally from the point of rocking mounting of said animal figure on said framework, the lower ends of said links being pivotally connected to said driving members, whereby rocking movement of said animal figure oscillates said driving members and produces forward rotation of said driven member and motion of the vehicle.

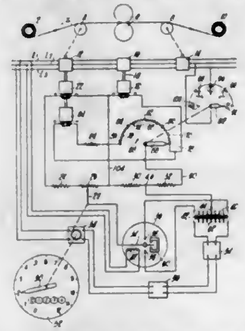
2,474,115
PETTI-BRA SLIP
Julia Read, New York, N. Y.
Application June 7, 1946, Serial No. 675,224
3 Claims. (Cl. 2—73)



1. A garment comprising a slip, said slip including a waist covering portion and having a top edge adapted to lie above the breasts, a brassière having two cup-shaped portions for receiving the breasts and disposed inside of said slip, the top edge of the brassière being attached to the top edge of said slip, said brassière having its bottom edge free of any attachment with said slip, each of said cup-shaped portions having a slit extending from substantially the center of the cup-shaped portion through the bottom edge of the brassière, fastening means for securing the edges of said slits together and means for tensioning the brassière about the body of the wearer in tight engagement with the breasts to support the same.

2,474,116
APPARATUS FOR MEASURING DIFFERENTIAL SPEED
George H. Rendel, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application May 12, 1948, Serial No. 26,646
2 Claims. (Cl. 235—61)

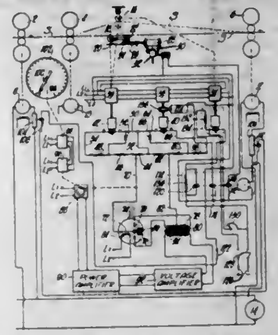
1. Apparatus for comparing the speed relationship between two moving objects which comprises means connected to be driven at a speed proportional to the speed of one of the objects, means connected to be driven at a speed proportional to the speed of the other object, a differential receiver connected to both of said means for obtaining the difference in their speeds, a tachometer generator driven by said differential receiver, a second tachometer generator driven at a speed proportional to the speed of one of the objects, a third tachometer generator connected to be driven at the same speed as the second named generator, a variable resistance in series with the second named gen-



erator, a contact arm for varying the amount of said resistance in series with the second named generator, a variable resistance in series with the first and third generators, a contact arm for the last named resistance for varying the amount of said resistance in series with the first generator, and means responsive to the difference between the voltage drop across the first named resistance and the summation voltage from the first and third generators for moving said first named contact arm to balance said voltages, the position of said contact arm when the voltages are balanced indicating the speed relationship.

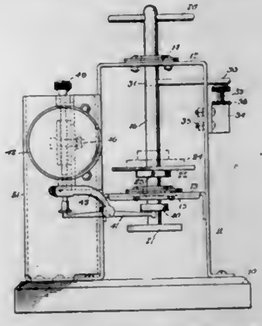
2,474,117
THICKNESS GAUGE
George H. Rendel, Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application December 23, 1946, Serial No. 717,993
5 Claims. (Cl. 80—31.1)

3. Apparatus for gauging the thickness of elongated strip moving between two pairs of driven work rolls or the like, said strip normally moving in a plane passing through both roll passes, but being movable out of said normal pass line during gauging, which apparatus comprises a rotatable gauging roll around an arc of which the strip is adapted to pass, a rotatable gauging roll positioned to ride on said strip at the point where the strip is in contact with said first named gauging roll, said gauging rolls being driven by said moving strip, means connected to said gauging rolls for indicating the gauge of said strip, said gauging rolls being normally located on opposite sides of the strip, said second named gauging roll being spaced from the normal pass line, means for moving said first named gauging roll from its normal position across the normal pass line to its gauging position adjacent the second named gauging roll, and means responsive to the position of the strip for operating said moving means to move said first named gauging roll to its gauging position



when the strip is passing through both pairs of work rolls.

2,474,118
COMPRESSION TESTING APPARATUS
Leslie V. Robinson, New York, N. Y., assignor to Robinson Aviation, Inc., New York, N. Y.
Application October 30, 1945, Serial No. 625,596
2 Claims. (Cl. 73—94)



2. A compression indicator comprising a platform for the material to be tested, a ram vertically movable above said platform, means for raising said ram, adjustable limiting means for controlling downward movement of said ram, a gauge for measuring linear movement, an arm interconnecting said ram with said gauge, whereby the downward movement of said ram actuates said gauge, and an adjustable support for said gauge whereby its position relative to the interconnecting means may be changed so that actuation of the gauge by the downward movement of the ram may begin at any given position of the ram.

2,474,119
PLASTIC BRACE BAR SPECTACLE WITH PIVOTING LENS CONNECTIONS
John J. Rohrbach, Rochester, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York
Application October 26, 1945, Serial No. 624,667
7 Claims. (Cl. 88—41)

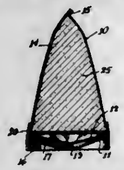
1. An ophthalmic mounting comprising a spec-

tacle front having a bridge and top arms made at least in part of plastic material, two metal plates secured to said spectacle front at opposite sides of said bridge, two metal endpieces secured to said spectacle front adjacent the ends of said top arms, temples hinged to said endpieces, said plates and said endpieces each carrying pintle supports, four separate pintles mounted one in each of said pintle supports, said pintles being located at spaced points adjacent the opposite



sides of a pair of lenses and beneath said top arms, each of said pintles having a substantially vertical journal portion, and a lens strap pivotally mounted on each of said journal portions, said pintle supports being provided with means for limiting vertical movement of said lens straps on said journal portions, and each of said lens straps having a lens-engaging portion located behind the associated pintle and adapted to contact the rear of the lens.

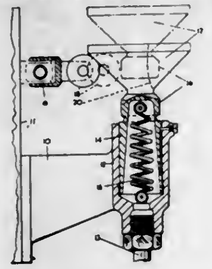
2,474,120
PACKAGE
Herbert Rumsey, Jr., Rochester, N. Y.
Application October 1, 1946, Serial No. 700,398
3 Claims. (Cl. 206—46)



1. A container comprising a tubular envelope closed at one end and having an opening at its other end and provided with imperforate walls made of flexible sheet material, contents material disposed in the closed end and partially filling the envelope, a relatively broad flat disk disposed transversely of the envelope at the end of the contents material, said envelope being twisted around its longitudinal axis between the open end and said disk so as to provide a pair of diaphragms with a twisted portion therebetween, the inner diaphragm being stretched relatively tautly over said disk and said disk serving to keep the contents from contact with said inner diaphragm and the outer diaphragm being disposed in close proximity to the inner diaphragm, and means for retaining said outer diaphragm against rotation with respect to the remainder of the envelope.

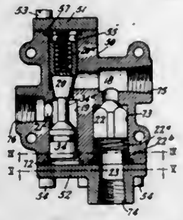
2,474,121
CONTROL OF FUEL-INJECTION ENGINES
Arthur Freeman Sanders, Penzance, England
Application April 16, 1947, Serial No. 741,807
In Great Britain September 9, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 9, 1962
3 Claims. (Cl. 123—140)

1. For a fuel-injection engine, the combination with a fuel pumping unit having a main fuel control member, of a plunger having a head coacting with said member, said head having a frusto-conical portion the smaller diameter of which is adjacent an eccentric cylindrical portion, means biassing said plunger to a position in which the larger diameter of said frusto-conical portion engages said member to cut off the fuel delivery, means for applying the lubrication pressure of the engine to said plunger to



force it against the biassing means so that, when the engine is running normally, said cylindrical portion engages said member to limit the maximum fuel delivery, and means for partially rotating the plunger to control the maximum fuel delivery when the engine is running normally.

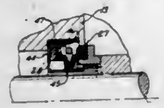
2,474,122
PILOT VALVE
Frederick W. Schneck, Santa Monica, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application January 11, 1946, Serial No. 640,466. Divided and this application December 17, 1947, Serial No. 792,244
1 Claim. (Cl. 137—153)



A hydraulic control valve of the type described comprising: a body member having first, second, and third longitudinal passages therein, said first and second passages extending completely through said body, and said third passage extending into said body from one end; a first closure cap secured to said one end of said body and closing all three of said passages; a second closure cap secured to the other end of said body, and closing said first and second passages; said body member having a lateral high pressure port communicating with the inner end of said third passage and with said second passage, and a lateral low pressure port communicating with said second passage at a point longitudinally displaced from said high pressure passage; a valve seat between the inner end of said third passage and said high pressure port; a check valve in said third passage adapted to close against said seat; said first cap having a discharge port therein communicating with the outer end of said third passage; a valve seat in said second passage between

the high pressure and low pressure ports therein; a poppet valve in said second passage adapted to close against the high pressure side of said seat therein; a piston in said second passage on the other side of the seat therein; said first passage being connected intermediate its ends by a control passage in said body with said second passage at the outer end of the piston therein; said first passage being connected at one end by a passage in said first cap with said discharge port, and being connected adjacent its other end to a passage in said body adapted to be connected to said lateral low pressure port; and pressure responsive means within said first passage, movable in response to pressure variations in said one end thereof for connecting the outer end of said second passage to said low pressure port in response to decrease of pressure in said discharge port below a predetermined value, and connecting said outer end of said second passage to said discharge port in response to increase of the pressure in said discharge port above a predetermined value.

2,474,123
RETAINER FOR FLUID SEALS
Carl E. Schmitz, Chicago, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application August 12, 1946, Serial No. 689,854
4 Claims. (Cl. 286—11)



1. A seal device for effecting a fluid-tight joint between relatively movable members such as a housing and a shaft passing therethrough, said seal including a sealing washer, a flexible deformable tubular sealing element having flanged ends with cylindrical inner and outer surfaces, said washer bearing against one flange to form a seal thereat, and a spring compressed between the flanges, a retainer for the seal comprising an annular shell open at one side and having cylindrical inner and outer walls and a connecting radial wall, one of said cylindrical walls being pressed against one of the relatively rotatable members so as to be held against rotation with respect to said one member, and a step formed in the outer cylindrical wall of the retainer and fitting closely over the outer cylindrical surface of the flange of the sealing element remote from the washer to center said element relative to the said one member.

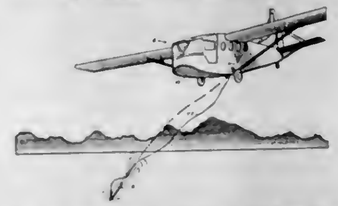
2,474,124
PARACHUTE LEADER
Arthur B. Schultz, Wilmington, Del., assignor to All American Airways, Inc., a corporation of Delaware
Application March 8, 1946, Serial No. 653,015
3 Claims. (Cl. 244—151)

1. In a parachute a canopy, shrouds connected to the peripheral edge of said canopy, one-half of said shrouds being gathered and attached to a connecting ring, the other half of said shrouds being gathered and also attached to a second connecting ring, a load supporting harness, a pair of leader assemblies longitudinally extending from each connecting ring to said harness, each leader assembly comprising a shock absorbing leader made from undrawn synthetic plastic fiber, and a substantially non-yieldable auxiliary folded leader longer when unfolded than the undrawn synthetic plastic fiber leaders, said un-



drawn synthetic plastic fiber leaders each normally when not under load being equal in length to each of the said auxiliary leaders when in folded condition.

2,474,125
VEHICLE BASED ARRESTING GEAR
Arthur B. Schultz, Wilmington, Del., assignor to All American Airways, Inc., a corporation of Delaware
Application July 2, 1946, Serial No. 681,091
6 Claims. (Cl. 244—110)

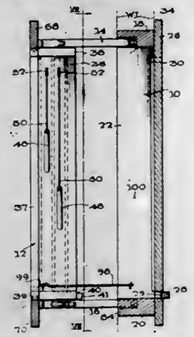


1. In vehicle based arresting apparatus, means for effecting a ground anchorage comprising a tubular guide adapted to be mounted on the vehicle to be arrested, said guide being formed with a slot at its lower end, a ground engaging spike in said tubular guide, a connecting element in the form of an ear on said spike and received in said slot, said ear being adapted to have a deceleratng line attached thereto, and an explosive charge for driving said spike.

2,474,126
REVERSIBLE WINDOW CONSTRUCTION
Wendell B. Tidwell, Norfolk, Va., assignor to Window-Frame Corporation, Norfolk, Va., a corporation of Virginia
Application June 11, 1947, Serial No. 753,986
8 Claims. (Cl. 20—52.2)

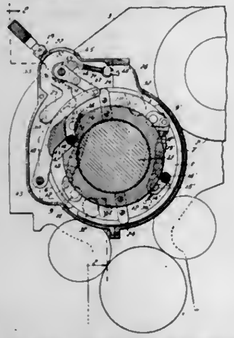
5. A reversible window construction comprising a frame adapted to be fixed in a window opening of a building; a bodily movable window sash assembly having lintel, sill and side jambs fitted within one side of said frame in sliding relation; a first horizontal trim member pivotally connected to the center of the top of the lintel for relative rotation about a vertical axis;

linkage pivotally connected by one end to the inside of the frame and having a pivotal, supporting connection with the inner face of the first trim member; a second horizontal trim member pivotally connected to the center of the bottom of the sill for relative rotation about the



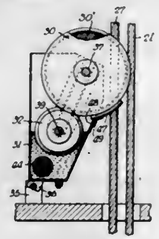
same vertical axis; and linkage pivotally connected to the inside of the frame by one end and having a pivotal, supporting connection with the inner face of the second trim member, said linkages being connected at opposite sides of the frame.

2,474,127
CLAMPING APPARATUS FOR TENSION LOCKED PRINTING PLATES
Paul L. Tollison, North Plainfield, and Charles L. Ricards, South Plainfield, N. J., assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application August 13, 1946, Serial No. 690,304
5 Claims. (Cl. 101—378)



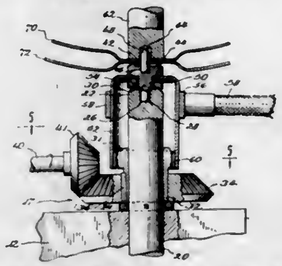
2. In a printing plate locking device, in combination, a rotary plate cylinder, at least one plate clamping element on said cylinder movable between retracted plate releasing and extended plate clamping positions, an operating member connected to said clamping element including a cam follower extending from one end of said cylinder and movable in opposite directions to move said clamping element to its retracted and extended positions, a pair of cam surfaced members fixed against rotation adjacent the end of said cylinder, manually operable means for moving one of said cam surfaced members adjacent the other to form therebetween a box cam track for positively moving said cam follower in opposite directions during the rotation of said cylinder and for separating said cam surfaced members to prevent movement of said cam follower thereby, and means responsive to the rotation of said cylinder for moving said manually operable means to separate said cam surfaced members.

2,474,128
CABLE LUBRICATOR
John Edmund Tonnelier, New York, N. Y.
Application January 24, 1947, Serial No. 723,993
13 Claims. (Cl. 184—17)



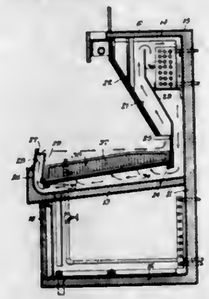
1. In a device of the character indicated, a bath for holding lubricant, a first roller pivotally supported by said bath for partial immersion in lubricant held in said bath, and a second roller radially freely slidably supported by said bath generally above said first roller and in wiping contact with an exposed unimmersed portion of said first roller.

2,474,129
WELDING APPARATUS
Vernon N. Tramontini, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application August 14, 1947, Serial No. 768,668
4 Claims. (Cl. 219—4)



1. A welding apparatus for making small diameter circular welds comprising a resistance welding machine, a non-rotating lower electrode mounted on said machine, a circular ridge formed axially on the welding surface thereof equal in diameter to the desired weld, means for pivotally mounting the end of said electrode opposite said welding surface on said machine, a skirt depending axially from said electrode to a point below said mounting point, a bearing surface on said skirt, a rotating eccentric bearing against said bearing surface and imparting an alternate rising and falling motion successively and continuously to each point of said ridge, means for rotating said eccentric, an upper electrode with a plane welding surface, and means for forcing said upper electrode against said lower electrode.

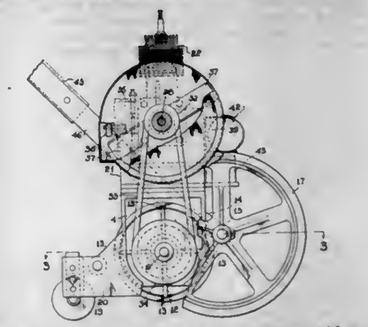
2,474,130
PRODUCE COUNTER
John P. Tully, Bellerose, N. Y., assignor to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey
Application July 29, 1947, Serial No. 764,373
3 Claims. (Cl. 62—89.5)



1. A counter having a head frame having a chamber therein, a shelf extending forwardly from the frame intermediate its height, a partition wall in said chamber dividing the chamber into two passages connected at their tops, a cooling device in the rear of said passages, trays disposed on the shelf above the bottom thereof, said partition extending down to the rear of the trays, one of said passages extending to the rear of the shelf and the other to a point just above the rear of the trays, the front of the shelf being bent upwardly and spaced glass sheets related thereto to form an extension passage to conduct air up from below the shelf to a point adjacent and above the front of the trays.

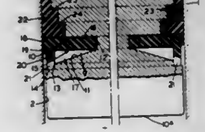
2,474,131
LAWN MOWER
Joseph Verderber and Raymond H. Liska, Cleveland, Ohio
Application August 7, 1945, Serial No. 609,428
1 Claim. (Cl. 56—26)

In a power driven lawn mower of the character described, the combination of a roller bar, a shaft in parallel spaced relationship to said roller bar, supporting wheels rotatably mounted on the ends of said shaft, a second shaft in parallel spaced relationship to said roller bar and positioned between said roller bar and said first-named shaft, cutter blades mounted on said second shaft, a pair of frame members disposed on opposite ends of said roller bar and said shafts, each of said frame members having provided thereon integrally therewith bearing portions for said roller bar and said first-named shaft and a bearing housing for said second shaft whereby to provide an integrated frame for said shafts and said roller bar, a shelf member mounted on said frame members, an engine mounted on said shelf member directly above said second shaft whereby the mass of said engine is disposed between the said supporting wheels and said roller



bar, and transmission means connecting said engine to said second shaft to cause rotation of said cutter blades.

2,474,132
PISTON SEALING MEANS
Sergius Vernet, Yellow Springs, Ohio
Application September 7, 1945, Serial No. 614,930
6 Claims. (Cl. 309—23)

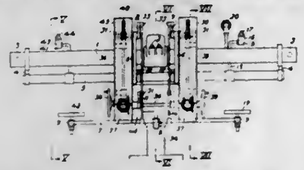


1. In an apparatus of the character described, cooperable piston and cylinder members having a clearance space therebetween, said piston member being adapted to be driven by fluid pressure, one of said members having a circumferential groove opening into said space, a sealing ring of rubber-like material in said groove and having a narrow wiping face frictionally engaging the wall of the other of said members, said ring having a buttressing portion extending from adjacent said face on the driving pressure receiving side of said ring, said buttressing portion being spaced from contact with the wall of the other of said members and reinforcing said face against chipping.

2,474,133
MEANS FOR SUPPORTING OBSERVERS IN RANGE-FINDER SYSTEMS
Ernst von Segebaden, Drottningholm, Sweden, assignor to Arenco Aktiebolag, Stockholm, Sweden, a joint-stock company of Sweden
Application October 22, 1945, Serial No. 623,756
In Sweden November 2, 1944
8 Claims. (Cl. 88—1)

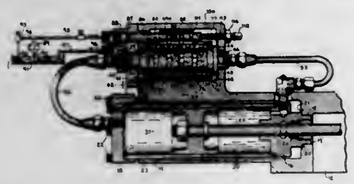
1. A range-finder system comprising a plurality of rigidly inter-connected sighting instruments swingable in elevation about a horizontal axis and each having an eye piece; a plurality of observers' supports each located below one of said eye pieces; and means for transmitting elevational swinging movements of said eye pieces

into elevational movements of said supports, said transmitting means comprising a crank arm rigidly connected to said instruments, and a linkage having a rod pivotally suspended from said arm and carrying said plurality of supports, the distances of said eye pieces from an imaginary line



parallel to said axis and passing through the center of the pivotal interconnection of said linkage and said crank arm being substantially equal, extensions of the optical axes of said eye pieces having different altitudinal, angular directions and being located at substantially equal distances from said imaginary line.

2,474,134
HYDRAULIC TOOL CONTROL UNIT
Arthur P. Waterson, Tulsa, Okla., assignor to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application April 24, 1947, Serial No. 743,689
3 Claims. (Cl. 121—41)



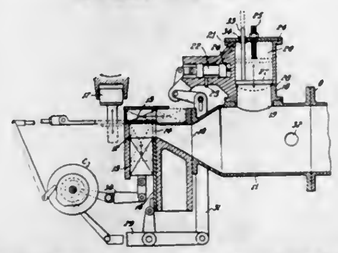
2. In a hydraulic control valve having a valve spindle, a series of port forming collars fixed on said spindle, a fluid pressure cylinder controlled by said valve, rigid fluid passageways between said spindle and said cylinder, a movable valve sleeve having a series of port forming collars operatively related to said first mentioned port forming collars on said spindle, and means for reciprocating said movable valve sleeve by a template.

2,474,135
ADJUSTABLE EARPIECE SUPPORT
George H. White, Hartford, Conn., assignor to The Gray Manufacturing Company, a corporation of Connecticut
Application June 5, 1947, Serial No. 752,778
9 Claims. (Cl. 179—182)



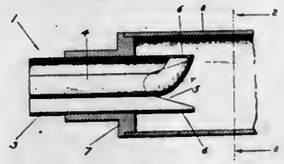
9. An earpiece comprising a support; said support having a suspending portion for engagement behind the pinna of either human ear and having a portion depending from said suspending portion for locating a receiver adjacent the outer surface of either ear; fastening means carried by said depending portion; and a receiver providing complementary fastening means releasably and reversibly interengageable with the first said fastening means whereby said earpiece is applicable to either a right or left ear, one of said fastening means including a socket providing a resilient detent, the other of said fastening means including a plug containing a recess for reception of said detent.

2,474,136
PACKING OF PLASTIC MATERIAL
Arthur Dacre Wilson, Grays, and William Dalziel, Birkenhead, England, assignors to Lever Brothers Company, a corporation of Maine
Application April 23, 1948, Serial No. 664,419
In Great Britain April 26, 1945
6 Claims. (Cl. 31—14)



5. An arrangement for forming prints of plastic material from a machine continuously producing said material, said arrangement comprising a die-chamber, means for cyclically opening said die-chamber to permit it to be filled and thereafter closing it, means for ejecting prints therefrom, a connection to said die-chamber from said machine, a branch on said connection for accommodating material issuing from said machine during closure of said die-chamber, a piston within said branch, a source of compressed air, and means for connecting said source to the space in said branch behind said piston while said die-chamber is open to apply pressure to the material in said connection, and for connecting said space to the atmosphere during closure of said die-chamber.

2,474,137
COUPLING SYSTEM FOR WAVE GUIDES
Kenneth A. Young, Waban, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 15, 1944, Serial No. 522,481
12 Claims. (Cl. 178—44)



1. A coupling system comprising a coaxial conductor transmission line having an outer conductor surrounding an inner conductor, a hollow wave guide, said outer conductor extending into said wave guide and having slots in the side walls thereof within said wave guide dividing a portion of said outer conductor into conductive strips, said inner conductor being connected to said outer conductor at one of said strips.

2,474,138
WORK REST AND METHOD OF FORMING THE SAME
Lukas Zimmermann, Birmingham, Mich.
Application August 31, 1945, Serial No. 613,823
12 Claims. (Cl. 51—238)

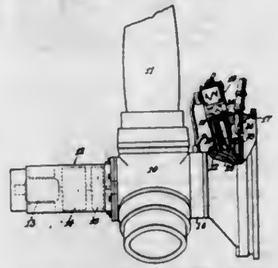


1. In a work rest, the combination with a plurality of hardened tip elements of a blade having a plurality of spaced segments along one edge thereof, said tip elements being respectively fused to said blade segments.

2,474,139
MICROBIAL FERMENTATION OF ACID HYDROLYZED CARBOHYDRATE MASHES
Seymour S. Block, Louisville, Ky., assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky., a corporation of Indiana
No Drawing. Application June 3, 1944, Serial No. 538,692
7 Claims. (Cl. 195—96)

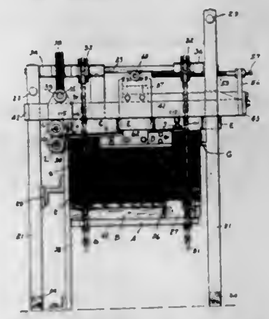
1. In the fermentation of starch mashes by bacteria, the steps which comprise acid hydrolyzing the starch to produce a high conversion thereof to fermentable sugars, and adding to the hydrolyzed product prior to fermentation thereof a material from the group consisting of sodium bisulphite, sodium metabisulphite, sodium sulphite, sulfurous acid, sulfur dioxide, sodium thiosulphate and cysteine, then adding the bacteria.

2,474,140
PROPELLER GOVERNOR
Charles W. Chillson, Caldwell, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Continuation of application Serial No. 360,243, October 8, 1940, which is a division of application Serial No. 261,879, March 15, 1939. This application February 14, 1948, Serial No. 647,634
4 Claims. (Cl. 200—53)



4. In a hydro-electric speed control device for use with an engine, a fluid supply, an engine driven rotating flyweight governor assembly, a valve movable along the axis about which the flyweights rotate in response to flyweight position changes, a fluid chamber fed by said fluid supply through said valve, a member movable in said chamber in accordance with changes in the amount of fluid therein, an electrical switch point movable with said movable member, a second switch point, engageable at times with the first, mounted for movement, and engine operated means for cyclically moving said second point toward and away from said first point through a determinate distance of travel, one of said points being yieldably mounted, said contacts being cyclically engageable with one another when said first contact is within the determinate distance of travel of said second contact.

2,474,141
METHOD AND APPARATUS FOR FEEDING SHEETS
Robert T. Chatterton, Chappaqua, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application October 11, 1945, Serial No. 621,697
25 Claims. (Cl. 271—18)

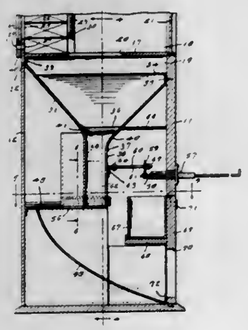


1. The method of individually feeding stacked sheets of metal by traversing a magnetic field of separation, which consists in maintaining a magnetic field by the introduction of varying degrees of flux from spaced magnet poles to produce strata of magnetic flux in said field having a minimum flux density at one boundary of the field and increasing to a maximum flux density at the opposite boundary, introducing the sheets into said magnetic field at the region of minimum flux density to magnetize the sheets so that they move toward the region having the greatest flux density, and spacing the magnetized sheet edges from said magnetic poles to create a reluctance gap for each sheet to cause separation of the sheets from one another while within the field.

2,474,142
COIN CONTROLLED PACKAGE VENDING MACHINE
Henry Purl Compton, Abilene, Tex., assignor of one-half to H. E. Montgomery, Dallas, Tex.
Application November 29, 1946, Serial No. 712,922
5 Claims. (Cl. 312—35)

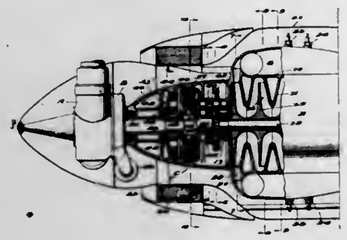
1. A package vending machine comprising a housing, a plurality of package magazines in said housing, a common hopper below said magazines, an upright tubular package delivery member below said hopper, means slidably supporting

said delivery member, a stationary delivery chute below said delivery member, and coin controlled



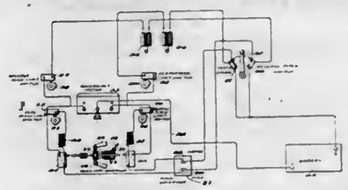
means for effecting movement of said delivery member to delivering position.

2,474,143
PROPULSION MEANS FOR AIRCRAFT AND THE LIKE
Archibald Graham Forsyth, Cheam, England, assignor to The Fairey Aviation Company Limited, Hayes, England
Application July 13, 1944, Serial No. 544,787
5 Claims. (Cl. 170—135.71)



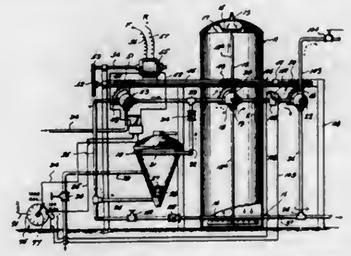
1. In a device of the type described comprising, a variable pitch propeller, a compressor, a turbine, clutching means for operatively connecting the propeller with the shaft of said compressor, and a driving coupling connecting the shafts of said compressor and said turbine; that improvement which comprises mounting said propeller, clutching means, compressor, driving coupling and turbine in tandem along a longitudinal axis coincident with the shafts of the propeller, compressor and turbine, a series of elongated combustion chambers surrounding said compressor and having a common wall therewith, said combustion chambers extending rearwardly and being joined to said turbine to deliver exhaust gases thereto, and a plurality of propulsion jets disposed rearwardly of the turbine and connected to receive exhaust gases passing through the turbine.

2,474,144
ELECTRICALLY AND POWER OPERATED PITCH CHANGING MECHANISM
Archibald Graham Forsyth, Cheam, England, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England
Application December 13, 1944, Serial No. 567,991
14 Claims. (Cl. 170—160.18)



1. A control unit for variable pitch propeller systems comprising a reversible electric motor for effecting pitch changes in the directions of fine and coarse pitch, means driven by the propeller drive shaft for effecting pitch changes to a reverse pitch position and to feathering pitch, an electric circuit powered by a source of direct current, means in said circuit for energizing the electric motor with substantially less than the full voltage of said source for effecting changes in the directions of fine and coarse pitch, and means in said circuit for energizing the motor with the full voltage of said source of direct current and for simultaneously effecting actuation of said means driven by the propeller drive shaft for effecting changes to a reverse pitch position and to feathering pitch.

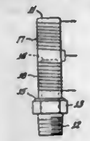
2,474,145
WATER SOFTENER
Marvin Gambill, Odessa, Tex.
Application April 16, 1945, Serial No. 588,633
7 Claims. (Cl. 210—24)



1. In water softening apparatus comprising a mineral tank, a brine tank, a pipe communicating with the upper and lower ends of said mineral tank, a multiple valve interposed in said pipe whereby fluid may be directed into and from a selected end of said mineral tank, an inlet pipe connected at one end to one side of said valve and at the other end to said brine tank adjacent the bottom of the latter, a second multiple valve interposed in said inlet pipe, a supply pipe connected to one side of said second valve, a pipe bridging one end of said brine tank to said inlet pipe between said first and second valves, a check valve in said bridging pipe opening in the direction of said inlet pipe, a fluid discharge pipe connected to said first valve, a third multiple valve

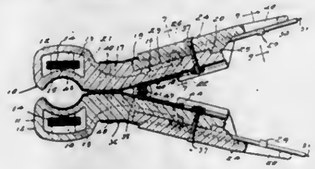
connected to said fluid discharge pipe, and a common operator for said multiple valves operatively connected thereto for moving all of said multiple valves at the same time.

2,474,146
ELECTRIC PRESSURE HEAD
Claude M. Hathaway, Denver, Colo.
Application July 31, 1946, Serial No. 687,483
6 Claims. (Cl. 201—63)



1. An electric pressure head comprising an elongated member having a chamber at one end adapted to be connected to a source of pressure, a strain-responsive wire element mounted about the exterior of said member in the proximity of said chamber, and a similar strain-responsive wire element mounted on a portion of said member which is not subjected to stress or strain due to pressure within said chamber.

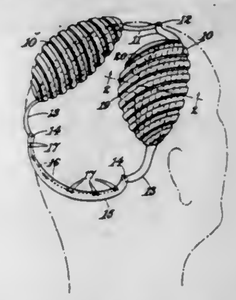
2,474,147
WAVE HEATER
James E. Hill and Thomas M. Ambler, San Antonio, Tex.
Application August 19, 1947, Serial No. 769,548
4 Claims. (Cl. 219—24)



1. A hair waving device comprising a pair of jaw members formed of a vitreous, non-conducting material and having confronting arcuate jaw faces, each member being formed with an inner sealed, air, gas and moisture tight chamber, a heating element in said chamber, a shank extending rearwardly from said member, a pair of contacts fixed in said shank, lead wires embedded in said shank and connecting said contacts with said element, a handle, a pair of contacts carried by said handle engageable with said first pair of contacts, a shell engaging about said shank and having a rearwardly extending portion, means securing said handle to said shank and to said extending portion, means pivotally securing said shells together, and a spring constantly urging said jaw members together.

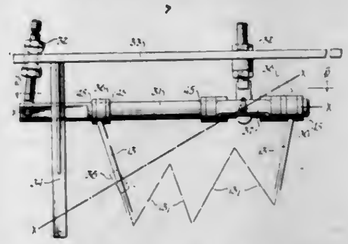
2,474,148
HAIR PAD, HAIRBAND, OR LIKE ARTICLE
Ronald James Horton, London, England
Application July 19, 1945, Serial No. 605,957
In Great Britain August 2, 1944
6 Claims. (Cl. 132—55)

3. A hair dressing device for personal wear comprising a former and a band connected to it so as to at least partially encircle the wearer's head whereof both the former and the band are shaped to conform to the style of hair dressing required and, when in use, are both at least



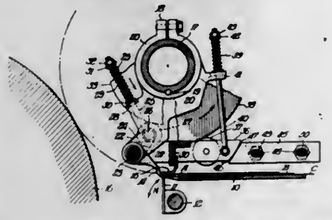
partly enveloped in and will both support and secure waves of the wearer's hair, said former comprising at least one edge slitted inwardly at intervals along its length to provide a grip for the hair which is passed around that edge.

2,474,149
APPARATUS FOR CUTTING CURVED PLATES USED IN SPHERICAL TANKS
Kenneth Bourne Hume, Kew, Melbourne, Victoria, Australia
Application September 19, 1944, Serial No. 554,846
In Australia September 29, 1943
2 Claims. (Cl. 266—23)



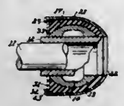
1. Apparatus for forming curved segmental plates for the formation of spherical, dome-shaped and similar structures comprising a support, a main shaft, a plurality of means for carrying said shaft in spaced relation to said support, said means being spaced axially of the shaft and including adjustable elements for independently varying the spacing between the portions of the shaft carried thereby and the support, cutter arms mounted on said shaft for swinging movement about the same, a pair of brackets swingably mounted on said shaft adjacent one of said shaft-carrying means, a pair of secondary shafts each perpendicular to the main shaft and having one end fixed in one of the brackets, so that the axes of the secondary shafts always intersect each other at the axis of the main shaft, means at the remote ends of the secondary shafts for varying the spacing thereof from the support, and a cutter arm mounted on each secondary shaft for swinging movement about the same.

2,474,150
SHEET TRANSFER GRIPPER MECHANISM
Arthur G. Jacobson, Chicago, Ill., assignor, by mesne assignments, to The Miehle Printing Press & Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 29, 1946, Serial No. 658,077
6 Claims. (Cl. 271—53)



1. In sheet feeding mechanism of the class set forth, the combination comprising a support for sheets, sheet registering means, mechanism for transferring individual, registered sheets to a sheet carrying member, gripper fingers and cooperating pads carried by said mechanism, said fingers and pads being mounted for independent movement about a common axis, means for withdrawing said fingers and pads from their plane of transfer operation after a sheet to be transferred has been released by them, and means to return said fingers and pads to their sheet engaging position.

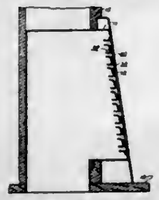
2,474,151
BEARING BRACKET
Marion I. Levy, Cleveland, Ohio
Application January 20, 1945, Serial No. 573,791
5 Claims. (Cl. 308—26)



5. A bearing bracket of the character described comprising in combination, a socket member made of sheet metal bent into suitable form and having tabs on the brim thereof, a tubular arm member made of sheet metal integral with the socket member and having an aerodynamic form for minimizing air turbulence thereat, and a ring member mounted in the socket member and engaged by the said tabs and being parallel with the longitudinal axis of the arm member.

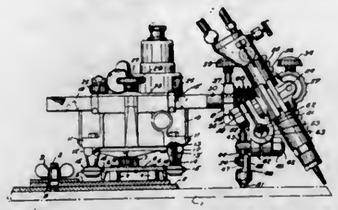
2,474,152
DIRECTIONAL AIR FLOW LOUVER
Marion I. Levy, Cleveland, Ohio
Application March 29, 1946, Serial No. 658,006
1 Claim. (Cl. 98—101)

A damper, comprising in combination, a stationary plate formed of stamped sheet metal including side frame elements and having a first series of horizontally extending and vertically spaced bars between said frame elements and also having a first series of slots between the said bars, each of the said bars having a laterally extending inclined fin projecting rearwardly and upwardly from the bottom edge thereof and formed from the metal removed from the adjacent slot; a plurality of guide tabs on the side frame elements, spaced therefrom and forming guiding channels thereon, a movable plate of stamped sheet metal including side frame elements engaged by the said guide tabs and movable in the said channels, the said plate having a second series of horizontally extending and vertically spaced bars between said frame elements and slidably engageable with the first series of bars and also having a second series of slots between the said bars, each of the second series of bars having a laterally inclined fin formed of the metal removed from the adjacent slot projecting



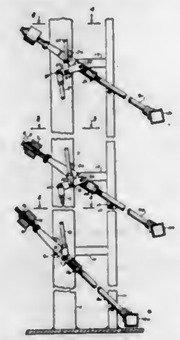
rearwardly and upwardly from the top edge thereof and through a contiguous slot of the first series, all of the fins of the respective stationary and movable plates being inclined at the same angle, the second series of bars obstructing the first series of slots and the said fins of both the first and second series being in close contact when the movable plate is in its closed position and correlatively the said bars clearing the said slots and the said fins of the two series being separated when the movable plate is in its open position, the said movable plate having a handle mounted thereon to facilitate movement thereof with respect to the stationary plate.

2,474,153
FLAME CUTTING TORCH MACHINE
Everett G. Livesay, New Orleans, La.
Application November 19, 1945, Serial No. 629,366
11 Claims. (Cl. 266—23)



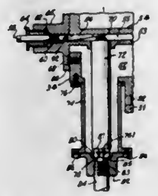
9. A flame cutting torch machine having a pair of separate sets of laterally interspaced supporting wheels disposed in track guided and retained relation respectively with a pair of cooperatively laterally interspaced and longitudinally extending track elements, a torch rack extending transversely of the machine, said rack extending laterally from a side of the machine, a post journalled on the end of the torch rack, a torch holder longitudinally and rotatably mounted on said post, a spacer element for said torch extending from said post and provided with a roller element at its free end, said roller element adapted to contact the work piece to space the tip of the torch therefrom and a spring reacting between said torch rack and said post for pressing said spacer element resiliently against the work piece.

2,474,154
LIQUID LEVEL TRANSLATING MEANS
Claudius R. McCauley, New Orleans, La.
Application July 20, 1945, Serial No. 606,246
7 Claims. (Cl. 73—311)



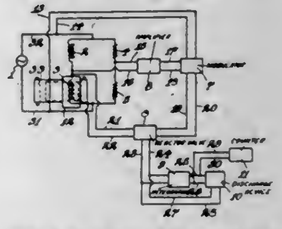
7. In a liquid level translating means, means responsive to change in liquid level, a plurality of vertically spaced float means carried by a support and successively operable by changes in liquid level, a floating lever pivoted at one end to an intermediate float means, means connecting the other end of said floating lever to a lower float means, a second floating lever pivoted at one end to a higher float means, means connecting the other end of said second floating lever to and intermediate the ends of the first floating lever, and means connecting the second floating lever to the means movable in response to a change of liquid level.

2,474,155
HEATING APPARATUS
Julius F. Melzer, Port Chester, N. Y.
Application June 15, 1945, Serial No. 599,692
12 Claims. (Cl. 257—2)



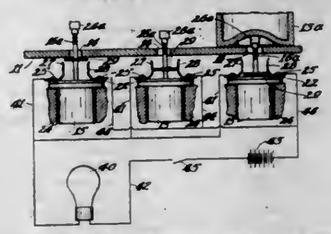
2. Apparatus for use in a heating system comprising a header having a cavity therein, a baffle for dividing the cavity into two compartments, openings in said header leading to each of said compartments, a cylinder fixed to said header and aligned with one of said openings, an opening in the end of said cylinder removed from said header, said opening having a valve seat, a thermostatically operated valve mounted in said cylinder, said valve having its valve head adjacent said seat, a spring holding said thermostatically operated valve mechanism against said baffle, and instrumentalities adjustable externally of said header for adjusting the position of said valve head with respect to said valve seat.

2,474,156
COUNTING MECHANISM
Laszlo Namenyi-Katz, London, England, assignor of one-half to Furzehill Laboratories Limited, Boreham Wood, England
Application April 3, 1945, Serial No. 586,333
In Great Britain December 23, 1943
11 Claims. (Cl. 235—92)



6. An apparatus of the class described adapted to be actuated by the insertion or passage of an article, comprising, in combination, means for generating a field of energy in the ether which is capable of being disturbed by the presence of an article therein, said means being an inductance arranged in an oscillatory circuit, means for traversing articles past said inductance whereby its value is altered and an impulse is set up in said circuit, and means for indicating said impulses, said inductance being arranged to form one limb of an electric bridge, a power supply arranged across one diagonal of said bridge, means for applying the potential resulting across the second diagonal to a circuit controlling said indicating means, which circuit includes a variable inductance in said bridge associated with the first said inductance and a follow-up device controlling said variable inductance so as electrically to balance said bridge and also controlling said indicating means.

2,474,157
DISPLAY ALARM
Barney Neediman, Chicago, Ill.
Application November 12, 1947, Serial No. 785,258
5 Claims. (Cl. 177—311)



1. In a merchandise display stand including a display platform, said platform having an opening therethrough, an electrical alarm device and a source of electrical energy for said alarm device, means for sounding said alarm for a predetermined length of time when merchandise is removed from said platform, said means consisting of: a cylinder and a piston therein, a push rod secured to said piston and axially aligned with said opening, a helical spring within said cylinder opposing downward movement of said piston, the upper end of said push rod extending above said

platform under the action of said spring when no downward external force is applied thereto, said upper end being depressed when merchandise is placed thereon, an electrical contact plate integral said push rod, a pair of spaced conductive strips bridged by said contact plate during the intermediate portion of the upward movement of said push rod under the said action of said spring means, one of said pair of strips being conductively connected to one side of said source of electrical energy, the other of said pair of strips being conductively connected to the other side of said source of electrical energy through said alarm device, and means for delaying the speed with which said contact plate traverses said strips which consists of a small passageway piercing said piston and said push rod axially, whereby all air entering the displacement volume of said cylinder as said piston moves upward is throttled through said passageway.

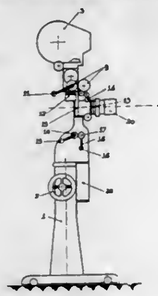
2,474,158
SPRING CLIP
William H. Neely, Cleveland, Ohio, assignor to The Universal Wire Spring Company, Cleveland, Ohio, a corporation of Ohio
Application September 16, 1944, Serial No. 554,521
3 Claims. (Cl. 155—180)



2. A resilient clip embodying a curved body portion formed of strip steel and secured at one end to a rail of the framework of an upholstered spring construction, said body portion being dimensioned to yieldingly hug the said rail, and a semi-circularly shaped end portion integrally extended from one end of said body portion crosswise thereof so as to provide an inwardly facing channel arranged radially with respect to said body portion, said clip permitting hugging of a rail of the frame work of a spring construction and securing of a cover member to the rail by seating the welted edge of the cover member in said end portion and holding same in position by clamping action between said end portion and the rail.

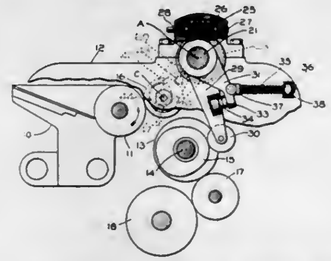
2,474,159
VIEW TAKING APPARATUS
Louis Georges Albert Pejois, Asnieres, France, assignor to Paul Rabanit, Paris, France
Application August 20, 1945, Serial No. 611,558
In France August 23, 1943
3 Claims. (Cl. 88—18)

1. A view taking apparatus for taking a predetermined number of views on strip elements comprising a strip holding and feeding box, hand-operated means for the intermittent drive of the strip passing unimpressed out of said box, cutting means controlled by said hand-operated means for cutting the strip when it has advanced through a predetermined length corresponding to the number of views to be taken, a view-taking system including an object glass and a shutter controlled by the hand-operated means at each intermittence of the drive operated by same, further hand-operated means for driving the cut and exposed strip element, locking means adapted to prevent operation of the first hand-operated means from continuing as soon as the predetermined number of views has been taken on the strip, means whereby the second hand-operated means release said locking means and a removable



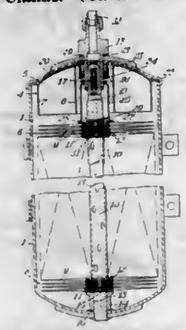
light-tight receiver adapted to receive said strip element driven by the second hand-operated means.

2,474,160
DUCTOR ROLLER ADJUSTMENT AND METHOD
Henri E. Peyrebrune, River Forest, Ill., assignor, by mesne assignments, to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application May 9, 1947, Serial No. 746,992
2 Claims. (Cl. 101—348)



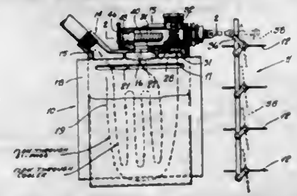
1. In an inking mechanism for printing presses, the combination of an ink supply member, an ink distributing roller system, a ductor roller for conveying ink from said member to said system, means for intermittently actuating the ductor roller and including a supporting shaft, arms mounted on said shaft and providing bearing means for the ductor roller, a cam actuated lever also associated with said shaft to intermittently rock it together with said arms about its axis, adjustable eccentric members arranged adjacent each end of said shaft, means for actuating said eccentric members to thereby establish the effective radius of the ductor roller axis in order to vary the degree of contact of the ductor roller with the distributing roller, and additional, independently operable eccentric members associated with said arms to provide adjustable bearing means for the ductor roller to thereby vary its degree of surface contact with said ink supply member independent of the setting between the ductor roller and the distributing roller, and by maintaining the setting relation between said latter rollers undisturbed.

2,474,161
LUBRICATING OIL FILTER
Joseph Allen Pickard, Acton, London, England, assignor to The Metafiltration Company Limited, Hounslow, England, a company of Great Britain and Northern Ireland
Application June 1, 1944, Serial No. 538,283
In Great Britain April 3, 1943
2 Claims. (Cl. 210—181)



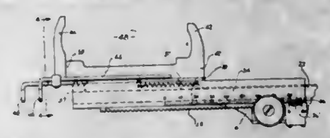
1. A filter comprising a filter chamber including means defining an open bottomed air chamber in the upper portion thereof, a vertical assemblage of filtering elements mounted in said filter chamber below the level of said air chamber, a central drainage tube extending vertically through said filtering elements and adapted to receive filtered liquid therefrom, means for conducting liquid from said drainage tube at the upper portion of said assemblage of filtering elements, means including a spring arranged in compression between the top inner side of said filter chamber and the top upper side of the uppermost filter element of said assembly of filtering elements for maintaining said assembly in liquid-tight engagement with each other around said drainage tube, an inlet including a non-return valve for introducing all the liquid to be filtered to the filter chamber, and an outlet communicating with said means for conducting liquid from said drainage tube for withdrawing filtered liquid from the filter chamber.

2,474,162
OIL COOLER HAVING AUTOMATIC BIMETAL THERMOSTAT CONTROLLED SHUTTER
Walter R. Ramsaur, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif., a corporation of California
Application June 2, 1941, Serial No. 396,360
16 Claims. (Cl. 236—35)



1. In an oil cooling device of the character described, having an oil cooler with an oil inlet and an oil outlet whereby a flow of oil to be cooled may be passed through the oil space of the heat exchange zone of the cooler and shutter means for controlling a flow of air through the air space of said zone, the combination of: an expansible device having a fluid movable part connected to said shutter means to operate the same; an inlet valve connecting the interior of said expansible device with a source of fluid under pressure; means to actuate said valve so as to control the application of fluid pressure to said expansible device comprising a part exposed to oil pressure which varies in accordance with the pressure drop of oil in said oil space of said cooler and acting in response to an increase in said pressure above a prescribed value to operate said valve in such manner that said movable part will close said shutter means; and means acting when said pressure is below said prescribed value to correct the position of said shutter means as the temperature of the oil departs from a prescribed normal value and thereby return said temperature to normal value, said last named means having a thermostat exposed to the heat of oil at a selected point in the flow thereof and operating in accordance with a reduction in temperature thereof to feed oil under pressure to the interior of said expansible device.

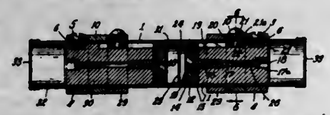
2,474,163
GRIPPING MEANS FOR MICROSCOPE MECHANICAL STAGES
Charles P. Riley, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application November 25, 1946, Serial No. 712,075
3 Claims. (Cl. 88—40)



1. A mechanical stage for use with a microscope or the like comprising a supporting member adapted to be secured to the stage or platform of the microscope, an intermediate supporting member slidably carried thereby and adapted to extend across at least a part of the upper surface of said platform in proximity thereto, a third supporting member carried by said intermediate member and having slidable engagement therewith, a pair of readily operable traversing mechanisms, one of said mechanisms being operatively connected to said first and intermediate members so as to cause movement of said intermediate member and third member in a first direction parallel to said supporting surface during manual operation thereof, the other of said mechanisms being operatively connected to said intermediate and third members so as to cause movement of said third member parallel to said upper surface and in a direction angularly disposed relative to said first direction during manual operation thereof, gripping means carried by said third member and comprising a fixed gripping arm and a movable gripping arm, said movable gripping arm being slidable relative to said third member and said fixed arm, spring means connected to a part fixed relative to said third member and connected to said movable arm and normally urging the movable arm toward said fixed arm, and a pair of spaced tabs connected to said arms re-

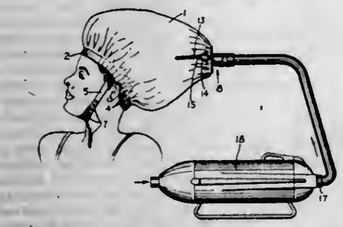
spectively and projecting laterally therefrom in adjacent spaced relation to each other so as to provide opposed finger engaging surfaces lying in planes generally perpendicular to the direction of sliding movement of said movable arm, so that an opening of said gripping arms for the insertion or removal of a microscope slide or the like will be effected when said finger engaging surfaces are gripped by the operator and one of said tabs is pressed toward the other.

2,474,164
CHECK SWING HINGE
George Riemer, Chicago, Ill.
Application January 19, 1946, Serial No. 642,245
3 Claims. (Cl. 16—84)



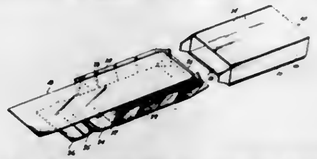
1. A check swing hinge comprising a normally stationary cylinder, means for so supporting said cylinder, a piston rotatably and longitudinally slidably disposed in said cylinder, a ring journalled on said cylinder intermediate the ends, and in substantially fixed position axially of said cylinder, means interconnecting said ring and said piston comprising a pin anchored in said ring and projecting inwardly therefrom into said cylinder, the latter being provided with a circumferentially extending slot permitting the passage of said pin into the cylinder as aforesaid and movement of said ring and pin circumferentially of said cylinder, said piston having a surface slot receiving said pin so as to cause said piston to rotate in unison with any rotary movement of said ring, means for effecting longitudinal movement of said piston as an incident to such rotary movement thereof, means closing one end of said cylinder, and means for restricting the flow of air from the closed end portion of said cylinder on one side of said piston to the cylinder portion on the other side of said piston as an incident to its longitudinal movement in the cylinder, thereby restraining longitudinal movement of said piston and rotary movement of said ring about said cylinder, and means carried by said ring to facilitate attachment thereof to a member which is to be supported for restrained pivotal movement.

2,474,165
HAIR DRYING APPARATUS
Ann G. Roberts, Chestertown, Md.
Application April 28, 1947, Serial No. 744,441
5 Claims. (Cl. 34—99)



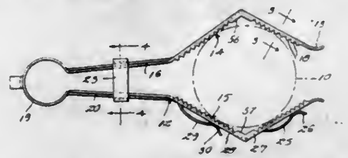
1. In hair-drying apparatus, a hood comprising a tapered sack forming an enclosure for the hair open at its ends, a head band forming the opening at the larger end and having said larger end gathered into it, and a flanged adaptor fitting forming the opening at the smaller end and having said smaller end gathered into its flange, said head band having a portion snugly fitting around the forehead and a crinkled portion around the base of the hair for permitting the escape of a limited amount of air from said enclosure and a valve in the enclosure near the adaptor end for exhausting a portion of the air from said enclosure.

2,474,166
PACKAGE
Herbert Rumsey, Jr., Rochester, N. Y.
Application October 1, 1946, Serial No. 700,397
6 Claims. (Cl. 206—46)



6. A package comprising a container having an opening therein and formed with a pair of side flaps extending partway across the opening from opposite sides thereof, a slide for holding the contents of the package disposed in said container and removable through said opening, said slide having a base portion holding the contents and being open at the top and being disposed in said container on one side of the opening and having an extension flap extending across said opening at right angles to the side flaps and serving as a closure for said opening, the extension flap having a relatively short folded tab projecting into the container on the opposite side of the opening from the base portion and frictionally holding the closure in position, said tab being folded upon itself and having its end portion projecting outwardly from the container and serving as a handle, and a protecting strip of flexible sheet material extending over the contents at the open top of the slide and also across the opening in the container in contact with the contents and inside said side flaps said trip also having a portion extending into and out of the container with the folded tab whereby the tab and strip can be pulled to first open the closure and the side flaps and thereafter to withdraw the slide from the container.

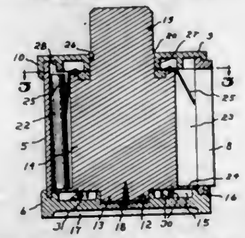
2,474,167
RECEPTACLE HOLDER
Raymond R. Rundell, Miami, Fla.
Application October 13, 1944, Serial No. 558,535
1 Claim. (Cl. 294—33)



A receptacle holder comprising a pair of opposed V-shaped jaw members disposed with the divergent sides of one of said members con-

fronting in facing relation the divergent sides of the other member, said jaw members each including a flat body portion, inwardly projecting teeth on the opposite edges of said body portion, a reinforcing flange on each edge of said jaw members at the apex thereof, rearwardly convergent arms carried by the rear end of said jaws, a resilient loop at the convergent end of said arms, an arm compressing ring around said arms and slidable along the length thereof, each of said arms formed with a series of longitudinally spaced apart recesses therein, said ring formed with inwardly extending detents engageable in selected recesses for releasably latching said ring in adjusted position longitudinally of said arms and holding said jaws in selected spaced apart position.

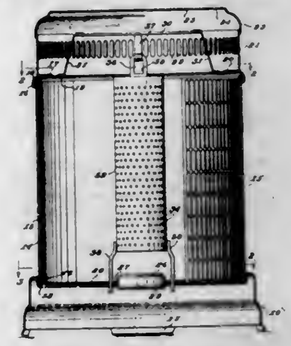
2,474,168
CIGARETTE OR LIKE HOLDER AND DISPENSER
Murray H. Sacher, Staten Island, N. Y., and Carmine J. Gentile, Waterbury, Conn.
Application August 5, 1948, Serial No. 42,604
4 Claims. (Cl. 312—97.1)



1. A cigarette or like holder and dispenser, comprising a housing having a cylindrical chamber, a base attached to said housing, a rotor mounted in said chamber and having its periphery formed with a plurality of cigarette receiving channels closed at their lower ends and disposed in parallel with the rotor axis, said rotor being dimensioned relative to said chamber so that cigarettes are retained in said channels by said housing, said housing having a discharge port with which said channels successively register as said rotor is turned and including portions forming flanges laterally of said port, a spring in each channel to urge a cigarette against said housing until said discharge port is reached and then to eject it, said rotor being rotatably supported by said base and including a knob, and a cover having a centrally disposed aperture of sufficient size to receive said knob and including a downturned flange to fit over the upper part of said housing, said flange having a recess therein to straddle said port flanges so that said cover is held thereby against rotation.

2,474,169
METAL RADIANT FOR GAS HEATERS
Roy Shelton, Chattanooga, Tenn., assignor to Samuel Stamping and Enameling Company, Chattanooga, Tenn., a corporation of Tennessee
Application July 22, 1948, Serial No. 40,049
2 Claims. (Cl. 126—85)

1. In a gas heating stove including a generally cylindrical vertical wall and a top cover, a horizontally disposed burner supported substantially axially of said wall and adjacent the bottom thereof; a sheet metal cylindrical radiant disposed over said burner in substantially coaxial relation to said wall, and means for removably securing the radiant within the stove, said stove including a horizontally disposed baffle adjacent said top cover and a horizontally disposed plate adjacent the bottom of the wall, said means com-



prising a cooperating hook and tongue on the baffle and radiant for suspending the latter from the baffle, and said means further comprising a pair of legs depending from the lower end of the radiant and removably received in apertures in said plate.

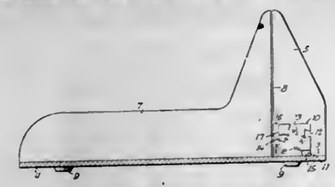
2,474,170
SEPARATION OF ACETONE AND BUTYL ALCOHOL FROM FERMENTED MASH BY ACTIVATED CHARCOAL
Max Sulzbacher, London, England, assignor to Butacet Limited, London, England
No Drawing. Application July 26, 1944, Serial No. 546,742. In Great Britain July 27, 1943
6 Claims. (Cl. 260—593)

1. A process of obtaining butyl alcohol and acetone from a fermented liquid mash containing said two substances which comprises substantially completely removing undissolved solid residue of the fermentation process from said liquid mash, contacting the substantially clear liquid portion of said mash with activated carbon, until such carbon contains a relatively great amount of adsorbed butyl alcohol with only a much less amount of acetone, and similarly contacting the remaining liquid portion of said mash from which butyl alcohol has been so adsorbed on activated charcoal with a separate quantity of activated charcoal until said liquid no longer contains acetone, whereby said second quantity of activated charcoal adsorbs the acetone from said liquid.

2,474,171
SLICE THICKNESS GAUGE FOR SLICERS
Ziegner Swanson, De Kalb, Ill.
Application November 23, 1945, Serial No. 630,291
6 Claims. (Cl. 146—150)

6. In combination, a support, an elongated rib thereon, and a gauge block for use in gauging dimensions, comprising a block of polygonal cross-section and uniform size from end to end adapted to be placed on said support in any one of a plurality of positions of rotation thereof and having longitudinally extending grooves provided therein, one on each side face, said grooves being of identical form and size and parallel to but differently

spaced from the longitudinal edges of said block and all of a size to receive the aforesaid rib with a close working fit, said rib being tapered so that it is wider at one end than at the other, and



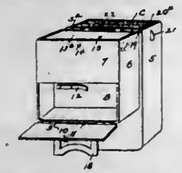
said grooves being also similarly tapered for wedging engagement of said rib in either of said grooves, the rib being dovetail-shaped in cross-section and all of said grooves being correspondingly dovetail-shaped in section.

2,474,172
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 26, 1947, Serial No. 788,113
14 Claims. (Cl. 287—20)



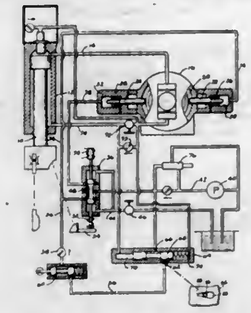
3. In a joint or connection, a shaft, a plate or panel having an opening receiving said shaft and a hole spaced from said opening, and a clip fastener comprising a metal body bent to define a band embracing said shaft and a pair of spring arms extending from said band, and a locking lug on a spring arm in spaced relation to said band and received in said hole to lock the clip fastener in attached position.

2,474,173
COMPLETE CIGARETTE CASE
Victoria Trinko, Downers Grove, Ill.
Application September 29, 1947, Serial No. 776,711
5 Claims. (Cl. 312—31.1)



1. A device of the character described comprising a first casing dimensioned to receive cigarettes on end and with their ends substantially flush with the upper end of the casing, a second casing hingedly connected along one side of the first named casing at the upper edge thereof, a lid covering the second named casing in position to lie between said second named casing and the upper ends of the cigarettes when the two casings are swung into alignment with each other, means for holding said lid closed with respect to the second casing and a sheet of water absorbent material upon that side of said lid which faces toward said cigarettes when the casings are moved into alignment with each other.

2,474,174
HYDRAULIC CONTROL SYSTEM FOR VARIABLE DELIVERY PUMPS
Warren R. Tucker, Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application September 10, 1945, Serial No. 615,313
4 Claims. (Cl. 60—52)



1. In a hydraulic system; a reciprocable plunger having advancing and retracting areas; a fluid source connected to supply said areas; opposed fluid operable control means associated with said source operable to position said source in full delivery in one direction or the other or to position said source in neutral; a pilot pump; a choke valve; valve means movable to connect said pump with one or the other or both of said control means; means selectively operable for actuating said valve to connect said pump with one of said control means while exhausting the other through said choke valve for positioning said source to deliver fluid to said advancing means; and means for supplying a variable pressure to said other control means during the advancing movement of said plunger comprising, valve means arranged between said pilot pump and said choke valve and operable during the advancing movement of said plunger for bypassing a portion of the delivery of said pilot pump to exhaust through said choke valve.

2,474,175
PROCESS FOR CARRYING OUT CONDENSATION REACTIONS
Charles Weizmann, London, England, assignor to Polymerisable Products Limited, London, England, a British company
No Drawing. Application May 3, 1945, Serial No. 591,857. In Great Britain March 2, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 2, 1964
12 Claims. (Cl. 260—465)

1. A process for carrying out a condensation reaction between a substance containing a reactive group selected from the class consisting of methylene (CH_2) and methine (CH) on the one hand, said reactive group being in the immediate vicinity, in the molecule, of a carbon-containing group containing an unsaturated bond, and a substance which is a member of the group consisting of alkyl halides, alkenyl halides and aralkyl halides on the other hand, which process includes the feature that the reagent used for promoting the condensation is the solid very finely divided complex obtained by the interaction of potassium hydroxide and an organic substance containing two ether forming oxygen atoms, which two oxygen atoms are separated from each other by at least one and not more than two carbon atoms, such complex being suspended in an excess of said organic substance.

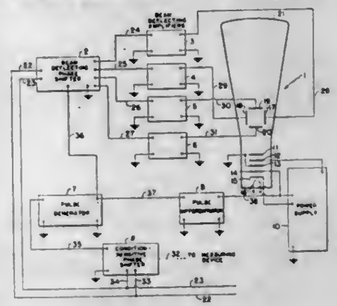
2,474,176
HOOK AND LINE HOLDER
Claude E. Wenck, Rockford, Ill.
Application July 21, 1947, Serial No. 762,304
9 Claims. (Cl. 43—33)



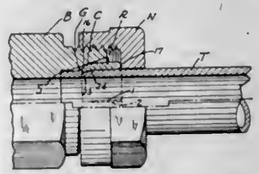
2. A fishing rod attachment comprising the combination with a fishing rod having a fish line and fish hook in connection therewith, and a reel for winding up said line including a hand crank equipped with a knob, of an elongated support having means on one end adapted to receive said rod and means on the other end adapted to receive said knob, whereby said support is adapted to be mounted on said rod and reel, and a fish hook holder adapted to be attached to the hook and adjustable along said support to a position where it holds the line taut.

2,474,177
CATHODE-RAY INDICATOR
Rudolf F. Wild, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 17, 1947, Serial No. 742,081
29 Claims. (Cl. 177—351)

1. In combination, a normally non-conductive cathode ray tube operative when conductive to produce an electron beam, beam deflecting means adapted to be connected to a source of alternating voltage and to be normally made operative to deflect said beam from the axis of said tube and to rotate it about said axis at a frequency corresponding to the frequency of the alternating voltage supplied by said source, control means responsive to a controlling condition of variable value and having an output circuit in which a voltage appears which is modified in accordance with the value of said controlling condition, means controlled by the output voltage of said control means and including a pulse generator responsive to said output voltage and having an output circuit in which a voltage pulse appears once during each cycle of alternation of the first mentioned voltage, differentiating means operative to cause said pulse to make said tube conductive during a portion of the corresponding cycle of alternation of said first mentioned voltage, and means operative to cause said pulse to make said beam deflecting means inoperative during the intervals in which said tube is made conductive, each of said portions being dependent for its position in the corresponding cycle of alternation of said first mentioned voltage on the instantaneous value of said condition.



2,474,178
PIPE COUPLING
Paul D. Wurzburger, Cleveland Heights, Ohio
Application August 9, 1945, Serial No. 609,739
4 Claims. (Cl. 285—122)

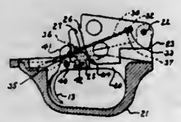


1. In a tube coupling having a body member with a flared mouth adapted to receive the tube to be coupled and receive a sealing ring and constrict the same upon the tube when the ring is forced into said flared mouth, the tube when coupled having an annular groove into which the leading end of said ring is constricted, and having means coacting with said member and said ring to force the ring into the said flared mouth of said member, the improvement that said ring prior to being constricted comprises a split substantially cylindrical annulus having an axial gap, the circumferential length of said ring exclusive of said gap being less than the initial outer circumference of the tube to be coupled but not less than the least circumferential length of the bottom of said groove, and said ring after being constricted having its leading end turned radially inwardly into said groove with the edges of the gap in close sealing contact at the leading end but spreading apart toward the other end thereof, whereby the leading end is in close sealing engagement and the ring in clamping contact with the tube.

2,474,179
ACID CLEANING COMPOSITION
Francis N. Alquist and Charles W. Hopkins, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application May 2, 1947, Serial No. 745,634
3 Claims. (Cl. 252—148)

1. A composition for cleaning a ferrous metal surface comprising an aqueous solution containing from 5 to 25 per cent of HCl, from 0.1 to 2 per cent of an organic nitrogen base selected from the group consisting of pyridine and quinoline and from 0.1 to 5 per cent glyoxal.

2,474,180
FIRING MECHANISM
Val A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah
Original application September 27, 1944, Serial No. 555,949. Divided and this application October 28, 1944, Serial No. 560,743
6 Claims. (Cl. 42—69)

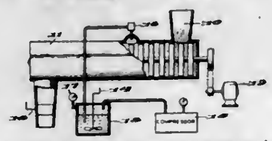


1. In a firing mechanism, a trigger plate, a hammer pivoted at one end on said trigger plate and having a sear notch on its other end, a first pin extending through and journaled in said hammer adjacent the pivot thereof and having diametrically disposed openings, a second pin journaled in said trigger plate rearwardly of said hammer and also having diametrically disposed openings, two guide rods respectively disposed to opposite sides of said hammer and having their forward ends extending into the openings in the first pin and their rear ends slidably extending through the openings in said second pin, and a main spring about each guide rod between said pins.

2,474,181
ANODIC COATING OF MAGNESIUM
Herbert K. De Long, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application October 23, 1944, Serial No. 560,037
4 Claims. (Cl. 204—56)

1. A method of producing a dense, thin abrasion- and corrosion-resistant coating upon articles of magnesium and magnesium-base alloys which comprises immersing the article in a solution consisting of water, an alkali metal hydroxide in a concentration of at least 30 grams per liter of solution, and a water-soluble aliphatic hydroxyl compound selected from the group consisting of methanol, ethanol, ethylene glycol, propylene glycol, glycerol, mannitol, 2-ethoxyethanol, and diethylene glycol in a concentration between 50 and 500 milliliters per liter of solution, said solution being maintained at a temperature between 60° and 100° C., and subjecting the article while so immersed to anodic electrolysis at a current density between 1 and 100 amperes per square foot and at a potential not exceeding about 10 volts.

2,474,182
PRESERVATION OF PIGMENTS IN ALFALFA
John C. Kephart, Lamar, Colo., assignor to National Alfalfa Dehydrating and Milling Company, Lamar, Colo., a corporation of Delaware
Application February 26, 1947, Serial No. 731,117
21 Claims. (Cl. 99—8)



1. The method of reducing the loss in pigment content, particularly carotene content, of prepared alfalfa products, which method comprises applying to the alfalfa a non-acidic treating agent comprising a tissue-penetrating vehicle and a small proportion, based on the alfalfa, of a pigment preserver selected from the group consisting of alkoxy-, hydroxy-, and anilino substituted diphenylamines.

2,474,183
ROCKET PROPULSION BY REACTING ALKYL-SUBSTITUTED MONONUCLEAR AROMATIC AMINES AND NITRIC ACID
Victor L. King, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 9, 1943, Serial No. 497,999
4 Claims. (Cl. 60—35.6)

1. A rocket propulsion method which comprises generating an ignited propulsive charge by commingling with strong nitric acid a volatile hydrocarbon having dissolved therein 10–50% of an alkyl-substituted mononuclear aromatic amine and ejecting the burning charge at high velocity.

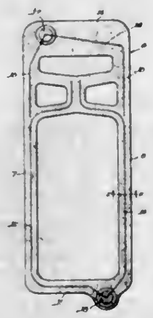
2,474,184
METHOD OF PURIFYING GLUTAMIC ACID AMIDES OF PTEROYLGLUTAMIC ACID
Erwin Kuh, New Brunswick, and James M. Smith, Jr., North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 13, 1946, Serial No. 690,348
7 Claims. (Cl. 260—251)

1. A method of separating glutamic acid amides of pteroic acid from related pterins in association therewith which comprises the steps of preparing an aqueous solution of magnesium pteroylglutamate, separating insoluble bodies from the soluble magnesium pteroylglutamate, and thereafter acidifying the solution to obtain a precipitate of a glutamic acid amide of pteroylglutamic acid and recovering the said precipitate.

2,474,185
METHOD OF PREPARING 4-AMINO-1, 8-NAPHTHALIC ACID IMIDES
Hans Z. Lecher, Plainfield, Mario Scalera, Somerville, Asa Willard Joyce, Plainfield, and Warren S. Forster, Maplewood, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 5, 1942, Serial No. 457,516
12 Claims. (Cl. 260—281)

1. A process for producing 4-amino-1,8-naphthalic acid imides which comprises reacting 4-amino-1,8-naphthalic anhydride with a large excess of an essentially undiluted primary amine having a melting point not in excess of 150° C.

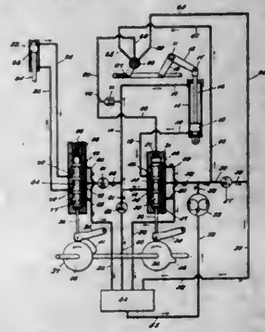
2,474,186
REINFORCED CORE
Milton M. Marks, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Substituted for application Serial No. 536,618, May 20, 1944. This application February 7, 1947, Serial No. 727,024
1 Claim. (Cl. 22—165)



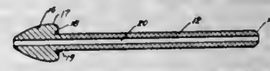
A baked sand core of a shape requiring reinforcement, the said core having a reinforcing member imbedded therein formed of substantially rigid material consisting of a thermoplastic condensation product of the super polyamides class and possessing physical properties adapted to withstand core baking temperatures without disintegration but which will disintegrate at the temperatures encountered during the pouring of molten metal into a mold employing said reinforced core thereby to form substantially clear, unrestricted passages through the core for the venting of gases after the molten metal has been poured.

2,474,187
CONTROL SYSTEM FOR FLUID MOTORS
Albert M. Olson, Wauwatosa, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 2, 1945, Serial No. 626,290
4 Claims. (Cl. 60—97)

4. In a control system for a pair of intermittently operable fluid motors deriving their power from a single source, a fluid circuit for one of the motors; means for establishing differential fluid pressures in different portions of said circuit; a second fluid circuit, for the other of said motors, connected to and receiving its supply of fluid from one of the differential pressure portions of the first circuit; a valve in each of said circuits for supplying fluid therein to its motor to reciprocate the working elements thereof, the valve in the first circuit connecting the motor therein to one pressure portion during the forward stroke of its working element and to the other pressure portion during the return stroke of said element; means for actuating the valve in the first circuit in one direction by pressure from said first circuit; additional means for actuating said valve in the opposite direction; means for actuating the valve in the second circuit; and means for co-ordinating the action of the two last mentioned means.



2,474,188
ENEMA TUBE
Herman Leo Pohl, San Francisco, Calif., assignor to Dispos-A-Tube, Inc., a corporation of Michigan
Application July 23, 1946, Serial No. 685,810
7 Claims. (Cl. 128—239)



1. An enema tube comprising a shaft, a conoidal head, a rounded annular edge on the head adjacent the shaft, and an annular and forwardly inclined base surface for the head between said edge and said shaft.

2,474,189
ELECTRIC SWITCH
Malcolm E. Porter, Middleboro, Mass., assignor to The Lobi Manufacturing Company, Middleboro, Mass., a corporation of Massachusetts
Application March 15, 1946, Serial No. 654,643
5 Claims. (Cl. 200—5)



1. In an electric switch having a casing comprising a recessed body section and a cover section, a partition extending across the recess of the body section, a plurality of resiliently depressible contact fingers anchored on said partition and projecting in spaced relation at one side of the partition, one of said fingers having extent also at the other side of the partition and constituting there a resilient depressible contact

finger, a fixed terminal member overlying the free end of the latter said finger in position for said finger normally to resiliently engage the overlying terminal, a fixed terminal below the free end of one of the said fingers at the other side of the partition and in position to be engaged by said finger when the latter is depressed, a button for each said finger projecting through the cover section of the casing and having its inner end engaging a said finger, and means interiorly of the cover section for automatically latching any said button in depressed position in response to a finger depression of any said button, said means being responsive for releasing a previously depressed and latched button whenever another said button subsequently is depressed.

2,474,190
THERMOSTATIC SWITCH
Malcolm E. Porter, Middleboro, Mass., assignor to The Lobl Manufacturing Company, Middleboro, Mass., a corporation of Massachusetts
Application May 2, 1947, Serial No. 745,599
5 Claims. (Cl. 200—139)



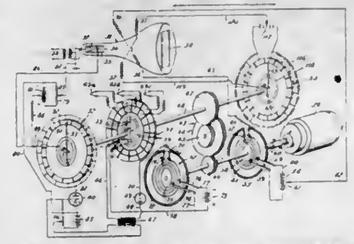
1. In a thermostatic control device, an insulating housing defining an interior chamber, a pair of contact elements in coacting relation within said chamber, at least one of said contact elements comprising a bi-metal strip movable toward and from the other contact element in response to temperature changes, there being an access opening through each of two opposite walls of said housing through one of which said bi-metal strip may be engaged and bent in direction towards the other strip and through the other of which said bi-metal strip may be engaged and bent in direction away from the other strip for calibrating the device, and a pair of terminals exteriorly of the housing and each in electrical connection with a different one of said strips.

2,474,191
TONE CONTROL
John Drysdale Reid, Cincinnati, and Paul F. G. Holst, Mount Healthy, Ohio, assignors to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application June 6, 1947, Serial No. 752,878
5 Claims. (Cl. 179—1)



1. The method of tone control for an electronic sound reproducing system which consists of dividing the energy input to the system into a pair of channels, filtering the energy in said channels to suppress frequencies above a predetermined value in one of said channels and to suppress frequencies below a predetermined value in the other of said channels, increasing the gain in one of said channels, and simultaneously decreasing the gain in the other of said channels by a corresponding amount to thereby maintain the total output substantially constant.

2,474,192
ELECTRONIC CURVE PLOTTING DEVICE
Carleton H. Schlesman, Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application April 25, 1944, Serial No. 532,686
7 Claims. (Cl. 73—341)



1. An electronic indicator for simultaneously indicating a plurality of temperatures, that comprises a cathode-ray tube, vertical and horizontal sweep circuit means for said cathode-ray tube giving a rectangular sweep pattern composed of parallel lines, a plurality of thermocouples, a commutator for sequentially selecting the electrical outputs of one after another of said thermocouples, means for coupling said commutator to said sweep circuit means so that it will select each thermocouple at the same time in each scanning operation, means for generating a voltage that changes progressively as each line of the pattern is scanned, an electrical circuit connecting the voltage generating means and selected thermocouple output in opposition, another electrical circuit coupled to said first electrical circuit and responsive to the variation of voltage from balance in one direction in said first electrical circuit, said second electrical circuit being connected to the intensity grid of said cathode-ray tube so as to change the potential of the intensity grid past the cut-off point in response to a change in voltage balance in the first electrical circuit.

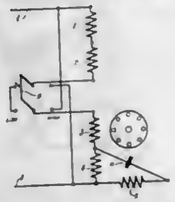
2,474,193
CALCIUM SILICATE PHOSPHOR
James H. Schulman, Cambridge, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
No Drawing. Application August 29, 1945, Serial No. 613,424
5 Claims. (Cl. 252—301.4)

1. A powdered mixture for making a fluorescent calcium silicate which consisting essentially of about 1 mol of a calcium compound selected from the group consisting of the oxides and those compounds which decompose on heating to form the oxides, about 1.2 mols of silica, between about .044 and .088 mol of a manganese activator, and between about .0025 mol to about .025 mol of lead fluoride.

2,474,194
N-HETEROCYCLIC SUBSTITUTED GUANAMINES
Jack Theo Thurston, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 30, 1941, Serial No. 409,153
1 Claim. (Cl. 260—249.5)

4-N-2'-pyridyl formoguanamine.

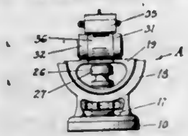
2,474,195
DUAL-VOLTAGE DUAL-SPEED CAPACITOR MOTOR
Philip H. Trickey, North Plainfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 14, 1946, Serial No. 647,450
7 Claims. (Cl. 318—225)



1. A capacitor motor comprising two line terminals, a closed-circuited rotor, a stator having a main winding and an auxiliary winding disposed thereon at a space angle to each other, said main winding comprising four coils, each having substantially the same number of effective turns, a capacitor connected in series circuit relation with said auxiliary winding, said main winding coils being connected in series across the line terminals, and said series auxiliary circuit, including the capacitor, being permanently connected across only one of said main winding coils.

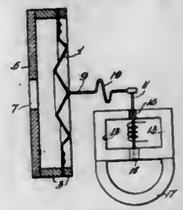
7. A dual-speed capacitor motor comprising a closed-circuited rotor, a stator having thereon a main winding and an auxiliary winding disposed at a space angle to each other, said main winding comprising series-connected pairs of coils, each coil having substantially the same number of effective turns, capacitor means connected permanently in series circuit relation to said auxiliary winding, said series circuit being permanently connected in parallel with one of said main winding coils, double-pole, double-throw switch means for, in one position, connecting said series-connected pairs of coils in parallel across a source of single-phase alternating-current energy for relatively high-speed motor operation, and, in the other position, connecting said series-connected pairs of coils in series across said source for relatively low-speed motor operation.

2,474,196
INSTRUMENT MOUNTING
Alfred Donald Coltman, Vancouver, British Columbia, Canada, assignor to Graflex, Inc., Rochester, N. Y., a corporation of Delaware
Application October 17, 1945, Serial No. 622,732
14 Claims. (Cl. 248—183)



1. An instrument mounting unit comprising a base plate, a pedestal rising therefrom and terminating in an arcuate holder, the concavity whereof faces upward, an instrument mounting element having a cooperating, downwardly facing, arcuate contour operatively connected to said arcuate holder, the latter being centered with respect to the vertical axis of the pedestal, the said instrument holding element being arcuately movable in the said upwardly facing, arcuate holder to adjust said holder to varied inclined positions relative to the horizontal, the said instrument-holding element having extending upwardly therefrom at least one bearing projection and a shaft received in the latter, said instrument mounting unit having an instrument holding element received upon said shaft and adapted to be turned angularly thereon to change the position of the instrument, the instrument carried by the instrument mounting unit being disposed substantially adjacent to the central vertical axis of the unit when said mounting element is in one of its inclined adjusted positions, and means for locking said instrument holding element in a selected position of adjustment.

2,474,197
ELECTROMAGNETIC SOUND POWERED TELEPHONE
Glenn L. Dimmick, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1940, Serial No. 338,057
5 Claims. (Cl. 179—115)



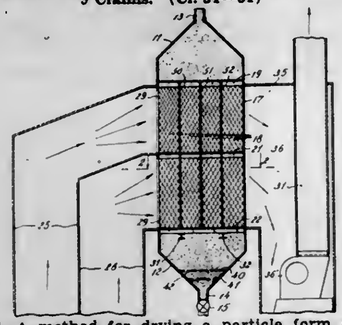
1. A telephonic transducer comprising a vibratile member, an electromechanical unit including a movable element, and means coupling said movable element to said vibratile member, said means having an axis of motion and being movable freely along said axis, and said means having an accordion-like compliance therein symmetrical with respect to its said axis.

2,474,198
MOISTURE CONTENT-TEMPERATURE CORRELATION IN A MOVING BED CATALYST REGENERATION PROCESS
Russell Lee, Wenonah, and Frederick E. Ray, Mantua, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application September 16, 1944, Serial No. 554,554
3 Claims. (Cl. 252—418)

1. A method of regenerating an adsorptive contact mass material contaminated with a hydrogen-containing combustible carbonaceous deposit, said contact mass material being susceptible to damage at a temperature greater than about 1050°–1100° F. in the presence of a gas containing more than about 8–10 per cent of water vapor and being capable of withstanding without appreciable damage a temperature of about 1300°–1400° F. in the presence of combustion supporting gas containing not more than 5 per cent of water vapor, which comprises contacting at a temperature of about 750°–800° F. an adsorptive contact mass material contaminated with a hydrogen-containing combustible carbonaceous deposit with a combustion sustaining gas containing more

than about 8–10 per cent of water vapor, raising the temperature of said contaminated contact mass to about 900°–1100° F., and maintaining said contact mass at about 900°–1100° F. whilst in contact with combustion gas containing more than about 8–10 per cent of water vapor, and thereafter when the water vapor content of the effluent flue gas is not in excess of about 5 per cent maintaining the temperature of said contact mass material within the range of about 1000°–1400° F. until said contact mass material is regenerated.

2,474,199
METHOD FOR CONTACTING GASES AND MOVING PARTICLE FORM SOLIDS
Charles H. Lechthaler, John W. Payne, and Peter D. Valas, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application November 9, 1944, Serial No. 562,724
9 Claims. (Cl. 34—31)



1. A method for drying a particle form adsorbent solid material of the type adapted for use in the catalytic conversion of hydrocarbons at elevated temperatures comprising passing the particle form solid material substantially vertically through a drying zone as a substantially compact column of downwardly flowing solid material, and passing a drying gas horizontally through said column at a substantially uniform rate throughout the entire column cross-section within said drying zone, ascertaining the amount of moisture picked up by said gas per unit weight thereof on a bone dry basis and ascertaining the maximum possible amount of moisture which could be picked up by said gas if it were discharged from said column saturated with moisture at the same conditions of temperature and pressure, regulating the rate, temperature and pressure of gas flow through said column to limit the percentage humidity in the outlet gas substantially below 100% and to limit the difference between the amount of moisture in a unit weight of outlet gas and the amount of moisture in a unit weight of inlet gas on the basis of bone dry gas to less than said about one-fourth of said maximum possible amount of moisture pick up.

2,474,200
CERVICAL SPLINT
Lance T. McBee, Paris Island, S. C.
Application July 19, 1946, Serial No. 684,703
13 Claims. (Cl. 128—87)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

13. A cervical brace comprising upper torso engaging means, support means mounted on said upper torso engaging means, neck receiving means mounted on the said support means for free rotary movement relatively to the said support means in a predetermined path in a plane disposed to intersect the vertical axis of the neck



of the wearer when the wearer of the brace is in upright position, and head engaging and supporting means on said freely rotatable neck receiving means and rotatable therewith relatively to the said support means.

2,474,201
METHOD OF MAKING MICROPOROUS SHEET MATERIAL
James J. Raymond, Newburgh, N. Y., and William H. Lehmberg, Riverside, Conn., assignors to American Felt Company, Boston, Mass., a corporation of Massachusetts
Application July 4, 1945, Serial No. 603,148
3 Claims. (Cl. 154—33)

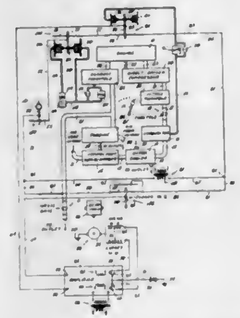


1. A method of making microporous sheet material, which includes the steps of felting selected loose wool fibres into interlocking relation in a felt sheet, filling the felt sheet under pressure with an uncured elastomer and thereby producing a solid self-sustaining matrix with the wool fibres solidly embedded therein, curing the elastomer filling of the sheet, and then dissolving the wool fibre, thereby producing a flexible sheet of chamois-like texture having pores left by the fibres removed from the otherwise solid matrix.

2,474,202
QUATERNARY AMMONIUM COMPOUNDS AND THE PROCESS OF MAKING SAME
John B. Rust, Montclair, N. J., assignor to Montclair Research Corporation, a corporation of New Jersey
No Drawing. Application January 10, 1946, Serial No. 640,373
10 Claims. (Cl. 260—404.5)

1. The process of making a quaternary ammonium compound which comprises heating, at between about 150° and 300° C. in the presence of an acid condensing agent, a mixture of a polyamine $H(NHR)_xNH_2$, where R is an alkylene radical and x is a number from 1 to 6, a fatty acid having more than 6 carbon atoms and an alcoholic compound condensable with said polyamine, said alcoholic compound being of higher boiling point than water and having the formula $R'(OH)_y$ where R' is a hydrocarbon radical and y a number from 1 to 4 inclusive, and then adding to the tertiary amino-amide compound thus formed an inorganic acid reaction product selected from the group consisting of alkyl halides, aralkyl halides, alkyl sulfates and alkyl phosphates, and heating at a lower temperature; the proportions being 1 mole of polyamine, from 1 to x moles of fatty acid, sufficient alcoholic compound to react with the remaining replaceable hydrogens of the polyamine, and from 1 equivalent weight to 1 mole of said inorganic acid reaction product per tertiary-amino group of the amino-amide compound.

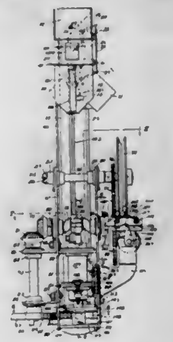
2,474,203
CONTROL APPARATUS
Hubert T. Sparrow, Minneapolis, Minn., and Albert E. Baak, Los Angeles, Calif., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 22, 1943, Serial No. 476,798
21 Claims. (Cl. 230—5)



1. Apparatus for controlling the pressure of the air supplied to an engine having a combustion chamber provided with a turbine-driven compressor for supplying air to said engine, comprising in combination, a device responsive to the pressure of the air supplied by the compressor, a device mechanically connected to and driven by the turbine responsive to the acceleration of said turbine, and means including both said devices for controlling the compressing effect of said compressor in such a manner as to limit both the pressure of the air supplied by said compressor and the acceleration of said compressor.

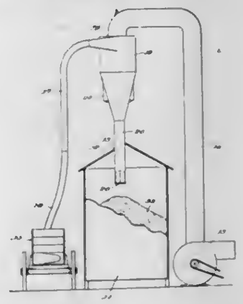
2,474,204
MOISTURE TESTER FOR CONTROLLING RECIRCULATION OF MATERIAL IN DRYING APPARATUS
Albert B. Welty, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Original application March 27, 1944, Serial No. 528,255. Divided and this application June 8, 1945, Serial No. 598,315
3 Claims. (Cl. 34—56)

3. In combination with a moisture tester for cereals and the like material having periodically operating movable means to compress a sample thereof taken periodically from a source of continuously flowing stream of material coming from a drier, a pair of diverging spouts positioned to route said stream of material including a movable diverter valve operable between the spouts to cause the material to flow through one spout or the other depending upon the position of said



valve, means connected with the valve to operate the same, and means automatically responsive to a predetermined degree of movement of said movable compressing means to actuate said valve operating means, whereby when the sample is compressed sufficiently to indicate too high a moisture content for safe storage the diverter valve routes the material for additional drying.

2,474,205
PNEUMATIC GRAIN ELEVATOR
Albert B. Welty, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 14, 1945, Serial No. 628,410
2 Claims. (Cl. 302—59)



1. A pneumatic grain elevator having a grain engaging conduit, a source of suction, a suction conduit joining said source of suction to said grain engaging conduit, an enlarged chamber in the suction conduit intermediate the source of suction and the grain engaging conduit, means for discharging grain from said enlarged cham-

ber, said means including an open sided receptacle having a bottom plate larger in cross section than the open sided portion, said enlarged chamber having an aperture in the bottom thereof for receiving the open sided receptacle, the large bottom of the receptacle adapted to fully close said aperture when in its uppermost position, an adjustable yieldable suspension means for said receptacle normally holding said receptacle in its uppermost and aperture closing position and adapted to yield downwardly upon a quantity of grain reaching some predetermined weight within the receptacle, said suspension means comprising a hook on the top of the receptacle, a rod hooked thereto and extending upwardly, a spring attached to said rod, and a rod on the other side of said spring and having threads along its upper end, said rod extending through said suction conduit and having a nut threadedly engaging said rod on the outside of said conduit for up or down adjustment and a direct change in spring tension.

DESIGNS

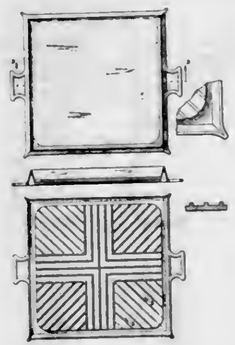
JUNE 21, 1949

154,194
DESIGN FOR A DOLL
Emile L. Adams, Piedmont, Calif., assignor of one-half to Ernest E. Adams, Piedmont, Calif.
Application August 21, 1947, Serial No. 140,981
Term of patent 3½ years
(Cl. D34—4)



The ornamental design for a doll, substantially as shown and described.

154,195
DESIGN FOR A COMBINATION GRIDDLE AND SKILLET
Arthur Beck, Chicago, Ill.
Application November 12, 1947, Serial No. 142,467
Term of patent 14 years
(Cl. D44—1)



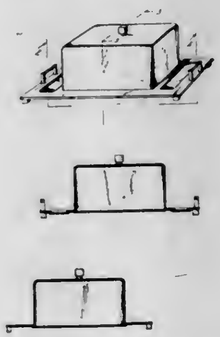
The ornamental design for a combination griddle and skillet, as shown and described.

154,196
DESIGN FOR A DECANTER
Jesse H. Clark and Harper Richards, Chicago, Ill., assignors to Cory Corporation, Chicago, Ill. a corporation of Delaware
Application July 26, 1947, Serial No. 140,534
Term of patent 3½ years
(Cl. D44—21)



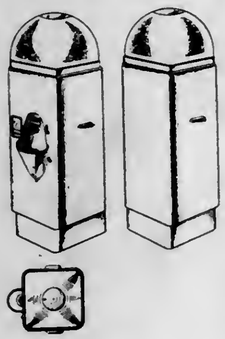
The ornamental design for a decanter, as shown.

154,197
DESIGN FOR A CAKE CHEST OR SIMILAR ARTICLE
Maxine S. Dumke, near Fontana, Calif.
Application November 17, 1947, Serial No. 142,572
Term of patent 7 years
(Cl. D44—5)



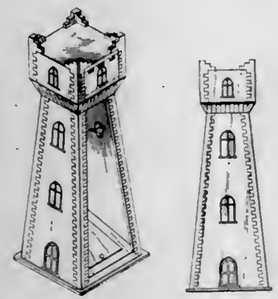
The ornamental design for a cake chest or similar article, substantially as shown.

154,198
DESIGN FOR A POPCORN VENDING MACHINE
Frank P. Emerson, Los Angeles, Calif.
Application May 31, 1946, Serial No. 130,272
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a popcorn vending machine, substantially as shown.

154,199
DESIGN FOR A CLOTHES AND SHOE CABINET OR THE LIKE
Augusta P. Finkelstein, Woonsocket, R. I.
Application March 25, 1947, Serial No. 137,877
Term of patent 7 years
(Cl. D33—8)



The ornamental design for a clothes and shoe cabinet or the like, as shown and described.

154,200
DESIGN FOR A CLOTHESPIN BAG OR SIMILAR ARTICLE
Pauline Gold, Hillside, N. J.
Application December 18, 1947, Serial No. 143,197
Term of patent 14 years
(Cl. D87—5)



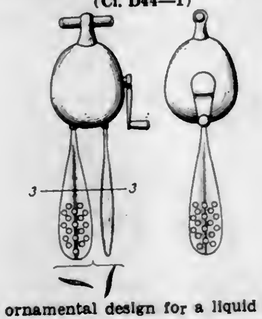
The ornamental design for a clothes pin bag or similar article, as shown.

154,201
DESIGN FOR A DRESS
Samuel J. Goldfarb, New York, N. Y.
Application August 22, 1947, Serial No. 140,992
Term of patent 14 years
(Cl. D3—26)



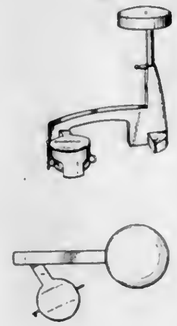
The ornamental design for a dress, as shown.

154,202
DESIGN FOR A LIQUID BEATER
Junius O. Hutton, Chevy Chase, Md.
Application December 12, 1946, Serial No. 135,434
Term of patent 7 years
(Cl. D44—1)



The ornamental design for a liquid beater, as shown.

154,203
DESIGN FOR A COMBINED OPERATOR'S STOOL AND CONTROL FOR DENTAL CHAIRS
Carroll W. Johnson, Chicago, and John T. Clark, Cicero, Ill.
Application August 25, 1947, Serial No. 141,062
Term of patent 14 years
(Cl. D15—3)



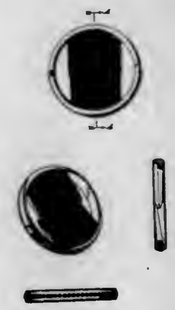
The ornamental design for a combined operator's stool and control for dental chairs, as shown.

154,204
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application January 11, 1947, Serial No. 136,096
Term of patent 14 years
(Cl. D58—26)



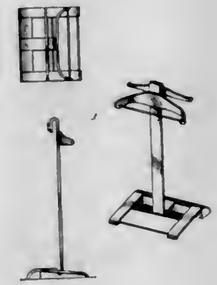
The ornamental design for a container cap substantially as shown.

154,205
DESIGN FOR A RING COMB
Stella Kovacs and Derman J. Fulkerson, Dearborn, Mich., assignors to Paragon Products Company, Detroit, Mich., a corporation of Michigan
Application April 30, 1948, Serial No. 146,078
Term of patent 14 years
(Cl. D86—8)



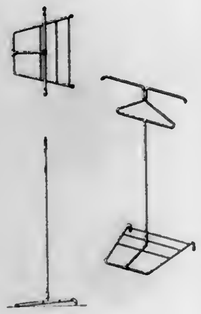
The ornamental design for a ring comb, substantially as shown.

154,206
DESIGN FOR A CLOTHES HANGER
Frank B. Kraus, New York, N. Y.
Application August 2, 1947, Serial No. 140,675
Term of patent 3½ years
(Cl. D33—8)



The ornamental design for a clothes hanger, as shown.

154,207
DESIGN FOR A GARMENT HANGER
Frank B. Kraus, New York, N. Y.
Application August 2, 1947, Serial No. 140,676
Term of patent 3½ years
(Cl. D33—8)



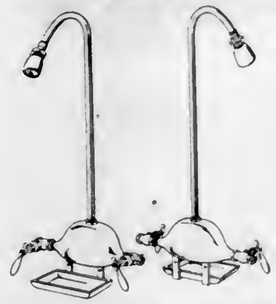
The ornamental design for a garment hanger, as shown.

154,208
DESIGN FOR A TEXTILE FABRIC
Libby MacGregor, New York, N. Y.
Application January 2, 1948, Serial No. 143,526
Term of patent 3½ years
(Cl. D92—1)



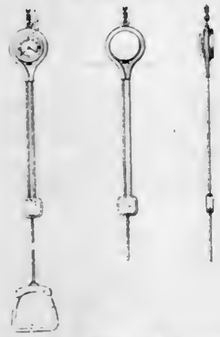
The ornamental design for a textile fabric, substantially as shown and described.

154,209
DESIGN FOR A SHOWER FIXTURE
Walter H. Meirink, Belleville, Ill.
Application November 17, 1947, Serial No. 142,579
Term of patent 14 years
(Cl. D91—3)



The ornamental design for a shower fixture, as shown.

154,210
DESIGN FOR A COMBINED EXTENSION KEY CHAIN AND WATCH
Nathaniel N. Okun, Far Rockaway, N. Y.
Application November 10, 1948, Serial No. 149,557
Term of patent 14 years
(Cl. D17—14)



The ornamental design for a combined extension key chain and watch, as shown.

154,211
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 22, 1949, Serial No. 393
Term of patent 7 years
(Cl. D45—9)



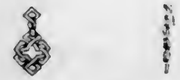
The ornamental design for an earring or similar article, substantially as shown.

154,212
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 25, 1949, Serial No. 469
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

154,213
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 28, 1949, Serial No. 544
Term of patent 7 years
(Cl. D45—9)



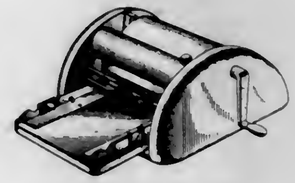
The ornamental design for an earring or similar article, substantially as shown.

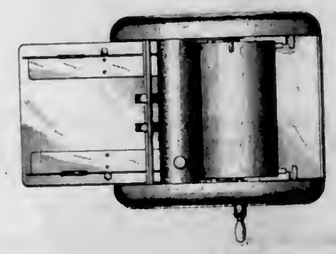
154,214
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 18, 1949, Serial No. 945
Term of patent 7 years
(Cl. D45—19)

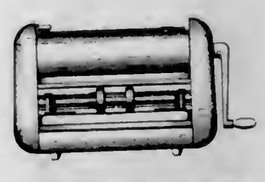


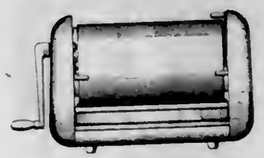
The ornamental design for a brooch or similar article, substantially as shown.

154,215
DESIGN FOR A DUPLICATING MACHINE
Robert Warren Quirk, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application November 26, 1948, Serial No. 149,845
Term of patent 14 years
(Cl. D64—11)









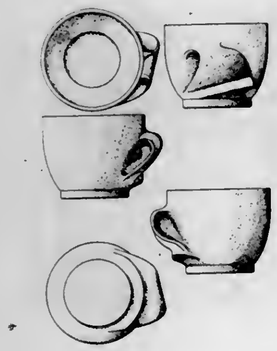
The ornamental design for a duplicating machine, substantially as shown.

154,216
DESIGN FOR A PAPER DISH
James D. Reifsnyder, Flushing, N. Y., assignor to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application December 31, 1946, Serial No. 135,882
Term of patent 14 years
(Cl. D44—9)



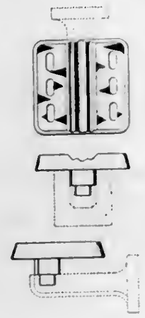
The ornamental design for a paper dish, substantially as shown.

154,217
DESIGN FOR A DINNER CUP
Helen A. Roberts, Buffalo, N. Y.
Application January 26, 1948, Serial No. 144,025
Term of patent 14 years
(Cl. D44—9)



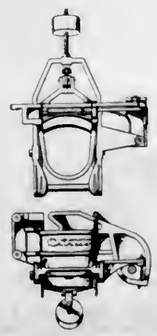
The ornamental design for a dinner cup, as shown.

154,218
DESIGN FOR A COMBINED TOOTHBRUSH AND TOOTH PASTE HOLDER OR SIMILAR ARTICLE
Howard R. Sigler, Argenta, and Carl A. Laystrom, Decatur, Ill., assignors, by mesne assignments, to Fairies Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 13, 1947, Serial No. 143,124
Term of patent 14 years
(Cl. D4—3)

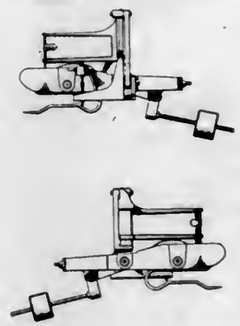


The ornamental design for a combined toothbrush and tooth paste holder or similar article, as shown and described.

154,219
DESIGN FOR A BAGGING MACHINE
Paul L. Snyder and Cecil Miller, Pomona, Calif.
Application January 19, 1948, Serial No. 143,884
Term of patent 14 years
(Cl. D55—1)



154,219—Continued



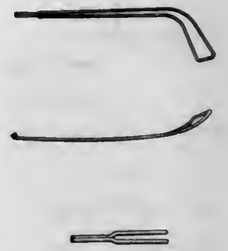
The ornamental design for a bagging machine, substantially as shown and described.

154,220
DESIGN FOR A COASTER
Thomas A. Steeds, Cleveland Heights, and Robert C. Prall, University Heights, Ohio; said Prall assignor to said Steeds
Application April 20, 1946, Serial No. 128,816
Term of patent 7 years
(Cl. D44—10)



The ornamental design for a coaster, as shown.

154,221
DESIGN FOR A SPECTACLE TEMPLE
Raymond F. E. Stegeman, Greece, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 16, 1948, Serial No. 145,779
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a spectacle temple, as shown.

154,222
DESIGN FOR A FEET EQUIPPED OUTER GARMENT
Edward E. Tanner, Jr., Chicago, Ill.
Application July 28, 1947, Serial No. 140,562
Term of patent 14 years
(Cl. D3—17)

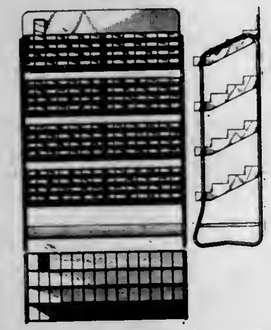


154,222—Continued



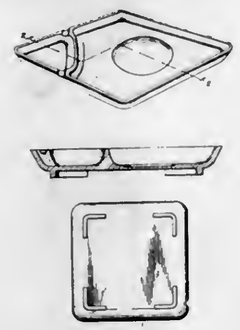
The ornamental design for a feet equipped outer garment, substantially as shown.

154,223
DESIGN FOR A MERCHANDISE DISPLAY RACK
Edward F. Todd, Highland Park, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application December 20, 1946, Serial No. 135,633
Term of patent 14 years
(Cl. D80—9)



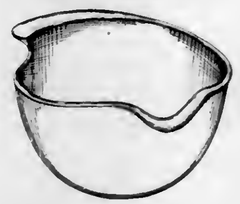
The ornamental design for a merchandise display rack, as shown.

154,224
DESIGN FOR A COMBINED ASH TRAY AND SAUCER
Oren C. Tweet, Astoria, Oreg.
Application October 29, 1946, Serial No. 134,355
Term of patent 7 years
(Cl. D44—10)



The ornamental design for a combined ash tray and saucer, as shown.

154,225
DESIGN FOR A MIXING BOWL
Herbert H. Varney, Red Wing, Minn.
Application December 18, 1947, Serial No. 143,200
Term of patent 3½ years
(Cl. D44—10)



The ornamental design for a mixing bowl, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Advance Solvents & Chemical Corporation, New York, N. Y. Synthetic liquid hydrocarbon polymers, mixtures of polybutene polymers and hydrocarbon waxes, wetting and foaming agents, etc. Serial No. 517,684, June 21. Class 6.

Aircraft Containers Co.: *See*—
Pacific Wire Products Corporation.

Aircraft-Marine Products Inc., Harrisburg, Pa. Electrical connectors and connector forming blanks. Serial No. 536,211, June 21. Class 21.

Allied Chemical & Dye Corporation, New York, N. Y. Sodium sesquicarbonate. Serial No. 558,978, June 21. Class 6.

Allied Van Lines, Inc., Chicago, Ill. Transportation of household goods by motor vehicle. Serial Nos. 557,331–2, June 21. Class 55.

Allwell, Sue M., doing business as Ease-All Rubber Products, East Orange, N. J. Rubber mats. Serial No. 551,507, June 21. Class 50.

American Associates, Inc., Wilmington, Del., and Providence, R. I. Electric-ozonizer air purifying apparatus. Serial No. 549,691, June 21. Class 21.

American Cabinet Hardware Corporation, Rockford, Illinois, Rockford, Ill. Cabinet hardware. Serial Nos. 554,351–2, June 21. Class 13.

American Chewing Products Corp., Newark, N. J. Chewing gum. Serial No. 512,633, June 21. Class 46.

American Express Company, New York, N. Y. Travel service. Serial No. 567,376, June 21. Class 55.

American Steel Foundries, Chicago, Ill. Hydraulic presses. Serial No. 548,627, June 21. Class 23.

American Tobacco Company, The, New York, N. Y. Smoking tobacco. Serial No. 553,061, June 21. Class 17.

Appley, J. W. & Son, Inc., St. Petersburg, Fla. Concrete block molding machinery. Serial No. 521,309, June 21. Class 23.

Aristocrat Leather Products, Inc., New York, N. Y. Billfolds and purses. Serial No. 570,683, June 21. Class 3.

Arkwright Finishing Company, Providence, R. I. Tracing cloth. Serial No. 544,963, June 21. Class 37.

Armour and Company, Chicago, Ill. Fertilizer. Serial No. 529,851, June 21. Class 10.

Arrco Playing Card Company, Chicago, Ill. Playing cards. Serial No. 551,847, June 21. Class 22.

Associated Merchandising Corporation, The, New York, N. Y. Women's shoes. Serial No. 546,545, June 21. Class 39.

Austin, Nichols, & Co., Incorporated, Brooklyn, N. Y. Wine. Serial No. 556,167, June 21. Class 47.

Austin, Nichols, & Co., Incorporated, Brooklyn, N. Y. Brandy, cognac, alcoholic cocktails, etc. Serial No. 556,168, June 21. Class 49.

Automatic Burglar Alarm System Inc., New Haven, Conn. Leasing, servicing, maintenance of alarm systems for vehicles. Serial No. 567,483, June 21. Class 55.

Ayer, Harriet Hubbard, Inc., New York, N. Y. Perfume. Serial No. 559,886, June 21. Class 6.

Ayer, Harriet Hubbard, Inc., New York, N. Y. Perfume. Serial No. 559,803, June 21. Class 6.

Ayer, Harriet Hubbard, Inc., New York, N. Y. Face powder and talcum powder. Serial No. 559,895, June 21. Class 6.

Ayer, Harriet Hubbard, Inc., New York, N. Y. Perfume. Serial No. 559,896, June 21. Class 6.

Bache, Semon, & Company, New York, N. Y. Front surface mirrors. Serial No. 547,386, June 21. Class 44.

Bailey Meter Company, Cleveland, Ohio. Measuring, controlling, and regulating instruments, systems, and apparatus. Serial No. 544,505, June 21. Class 26.

Bakcraft Products Company, Muskegon, Mich. Juvenile furniture. Serial No. 544,029, June 21. Class 32.

Bal, William, Corporation, Newark, N. J. Trunks. Serial No. 506,356, June 21. Class 3.

Balfour, L. G., Company, Attleboro, Mass. Jewelry. Serial No. 541,493, June 21. Class 28.

Bank of America National Trust and Savings Association, San Francisco, Calif. Checking account banking services. Serial No. 556,060, June 21. Class 55.

Barker & Barker, Inc., Providence, R. I. Jewelry. Serial No. 547,603, June 21. Class 28.

Barker, Marie, Company, St. Louis, Mo. Cosmetics. Serial No. 553,257, June 21. Class 6.

Batschelet, Frank E., doing business as Fold-Away Products Company, Jersey Shore, Pa. Laundry hangers. Serial No. 542,511, June 21. Class 24.

Bayshore Industries, Inc., Elkton, Md. Toy rubber balloons. Serial No. 556,241, June 21. Class 22.

Becken, A. C., Co., Chicago, Ill. Diamond rings, ring mountings and wedding rings. Serial No. 510,873, June 21. Class 28.

Bell & Gossett Company, Morton Grove, Ill. Thermostatically controlled valves. Serial No. 509,133, June 21. Class 26.

Bethlehem Steel Company, Bethlehem, Pa. Metal working presses. Serial No. 556,683, June 21. Class 23.

Bethlehem Supply Company, Tulsa, Okla. Mechanical hoists. Serial No. 503,629, June 21. Class 23.

Bimson, William, Toms River, N. J. Pins. Serial No. 533,699, June 21. Class 40.

Bissell Varnish Company, The, Bridgeport, Conn. Oil paints and paint enamels. Serial No. 515,606, June 21. Class 16.

Blanchard, Ralph E., doing business as The Reblan Co., Winnetka, Ill. Reflectors. Serial No. 546,645, June 21. Class 34.

Blenkinsop, Ward, & Company Limited, London, England. Bactericidal solutions. Serial No. 559,133, June 21. Class 6.

Boucher, Marcel, et Cie., New York, N. Y. Jewelry. Serial No. 536,113, June 21. Class 28.

Bourjois, Inc., New York, N. Y. Perfume. Serial No. 566,403, June 21. Class 6.

Bourjois, Inc., New York, N. Y. Eau de cologne. Serial No. 566,404, June 21. Class 6.

Bowers, Floyd O., Lansing, Mich. Game board. Serial No. 541,073, June 21. Class 22.

Brach, J., & Cie, Societe d'Exploitation Des Produits Botot, Paris, France. Perfumes, toothpaste. Serial No. 515,816, June 21. Class 6.

Brown, Marie T., Washington, D. C. Newspaper column. Serial No. 542,811, June 21. Class 38.

Buffalo Meter Company, Buffalo, N. Y. Liquid strainers. Serial No. 549,360, June 21. Class 13.

Buffalo Meter Company, Buffalo, N. Y. Air-release valves for installation on liquid-transmission lines. Serial No. 549,361, June 21. Class 13.

Bulova Watch Company, Inc., New York, N. Y. Wrist bands, bracelets, and chains for watches, etc. Serial No. 534,086, June 21. Class 28.

Bulova Watch Company, Inc., New York, N. Y. Watch-cases. Serial No. 544,540, June 21. Class 27.

Bunting Glider Company, Philadelphia, Pa. Outdoor furniture. Serial Nos. 542,276–6, June 21. Class 32.

Calcutta Club Products, Inc., New York, N. Y. Canned chicken. Serial No. 549,862, June 21. Class 46.

Charmôt of Hollywood, Inc., Los Angeles, Calif. Foundation garments. Serial No. 562,029, June 21. Class 39.

Chase & Company, Sanford, Fla. Fresh citrus fruits and vegetables. Serial No. 551,086, June 21. Class 46.

Chek-Chart Corporation, The, Chicago, Ill. Publications and prints. Serial No. 508,888, June 21. Class 38.

Chemical Rubber Co., The, Cleveland, Ohio. Men's and women's laboratory or industrial aprons, sleeves, and coats. Serial No. 544,054, June 21. Class 39.

Church, C. F., Mfg. Co., Chicopee and Willimansett, Chicopee, Mass. Bathroom fixtures. Serial No. 551,948, June 21. Class 13.

Church, C. F., Mfg. Co., Willimansett, Chicopee, Mass. Bathroom fixtures. Serial No. 551,947, June 21. Class 13.

Claycraft Company, The, Columbus, Ohio. Ceramic products. Serial No. 549,231, June 21. Class 12.

Clover Farm Stores Corporation, Cleveland, Ohio. Clothes pins. Serial No. 554,088, June 21. Class 24.

Collette, Edmund J., doing business as Favreau & Collette, Spencer, Mass. Syrup for coughs. Serial No. 561,424, June 21. Class 6.

Columbiaknit, Inc., Portland, Oreg. Sweaters, bathing suits, ladies' suits and dresses. Serial No. 546,090, June 21. Class 39.

Concrete Pipe & Products Co. Inc., Richmond, Va. Concrete products, concrete pipe fittings, etc. Serial No. 548,932, June 21. Class 12.

Copley Appliance Company, South Boston, Mass. Electrically illuminated display and advertising signs. Serial No. 550,674, June 21. Class 21.

Corn Belt Oil Company, Peoria, Ill. Motor lubricating oil. Serial No. 540,177, June 21. Class 15.

Coro, Inc., New York, N. Y. Necklaces, bracelets, earrings, etc. Serial No. 548,833, June 21. Class 28.

Coro, Inc., New York, N. Y. Pearl necklaces, pearl bracelets, pearl earrings, etc. Serial Nos. 563,315–17, June 21. Class 28.

Coro, Inc., New York, N. Y. Pearl necklaces, pearl bracelets, pearl earrings, etc. Serial No. 563,319, June 21. Class 28.

Coro, Inc., New York, N. Y. Pearl necklaces, pearl bracelets, pearl earrings, etc. Serial No. 563,397, June 21. Class 28.

Crag Products, Inc., Newark, N. J. All-purpose adhesive cement. Serial No. 542,530, June 21. Class 5.

Crane & Co., Inc., Dalton, Mass. Writing paper, printing paper, correspondence envelopes, and paper for bonds, securities, and currency. Serial Nos. 551,247–8, June 21. Class 37.

Crawford Manufacturing Co., Inc., Richmond, Va. Slip covers, chair recovers, cushions, pillows, chair pads. Serial No. 552,233, June 21. Class 32.

Creighton Shirt Company, Inc., New Haven, Conn. Shirts. Serial No. 544,058, June 21. Class 39.

Curtis Companies Incorporated, Clinton, Iowa. Window frames, windows, and parts thereof, etc. Serial No. 543,797, June 21. Class 12.
Cutter Laboratories, Berkeley, Calif. Procaine penicillin G. Serial No. 565,419, June 21. Class 6.
D. K. B. Electric Limited, London, England. Knitting needles and knitting pins. Serial No. 564,700, June 21. Class 40.
Dache, Lilly, Inc., New York, N. Y. Costume jewelry. Serial No. 555,253, June 21. Class 28.
Dae Health Laboratories, Limited, London, England. Skin creams, antiseptic creams, and ointments. Serial No. 559,139, June 21. Class 6.
Deb Company, The, West Hartford, Conn. Air refreshant preparation. Serial No. 544,063, June 21. Class 6.
De Pinna, A., Co., Inc., New York, N. Y. Women's, misses', and girls' dresses and blouses. Serial No. 554,015, June 21. Class 39.
Detroit Gasket & Manufacturing Company, Detroit, Mich. Gaskets. Serial No. 542,992, June 21. Class 35.
Diamond Alkali Company, Cleveland, Ohio. Chemical prepacations. Serial No. 510,491, June 21. Class 6.
Dixie Machinery Manufactoring Company, St. Louis, Mo. Hammermills. Serial No. 527,771, June 21. Class 28.
Doan Manufacturing Corporation, The, Cleveland, Ohio. Rubber bushings, hose, gaskets, etc. Serial No. 549,522, June 21. Class 35.
Donahue, A. J., Corporation, The, Milford, Conn. Men's and women's garters, hose supporters, and arm bands. Serial No. 548,244, June 21. Class 39.
Durablit Manufacturing Company: *See*—
Pacific Wire Products Corporation.
Ease-All Rubber Products: *See*—
Allwell, Sue M.
Edson, Incorporated, Chicago, Ill. Davenport and couch cover. Serial No. 543,285, June 21. Class 32.
Elimore Silver Company, Inc., The, Meriden, Conn. Sterling silver flatware, and sterling silver, and silverplated hollow ware. Serial No. 538,705, June 21. Class 28.
Enco Chemical Corporation, New York, N. Y. Lecithin and lecithin containing compounds. Serial No. 544,437, June 21. Class 6.
Engle, Fred O., doing business as Englewood Farm-Nursery, Muskegon, Mich. Humus mixture for soil improvement. Serial No. 538,114, June 21. Class 10.
Englewood Farm-Nursery: *See*—
Engle, Fred O.
Escalante, Jose, & Co., Chicago, Ill. Cigars. Serial No. 533,808, June 21. Class 17.
Famous Funnies, Inc., Waterbury, Conn. Comic magazines. Serial No. 558,384, June 21. Class 38.
Farm Crest Bakeries, Inc., Detroit, Mich. Cake. Serial No. 550,907, June 21. Class 46.
Favrean & Collette: *See*—
Collette, Edmund J.
Federal Electric Company, Inc., Chicago, Ill., now by change of name Federal Enterprises, Inc. Leasing, maintenance, and repair of signs and electrical advertising displays. Serial No. 529,887, June 21. Class 35.
Federal Enterprises, Inc.: *See*—
Federal Electric Company, Inc.
Ferry Cap & Set Screw Company, The, Cleveland, Ohio. Cap screws. Serial No. 518,719, June 21. Class 13.
Fisher Silversmiths, Inc., The, Jersey City, N. J., and New York, N. Y. Hollow and flat silverware. Serial No. 544,716, June 21. Class 28.
Flasan Limited, Loughborough, England. Chemical substances. Serial No. 546,990, June 21. Class 6.
Flamingo Glove Company, Chicago, Ill. Gloves. Serial No. 528,779, June 21. Class 39.
Fold-Away Products Company: *See*—
Batchelet, Frank E.
Formica Company, The: *See*—
Formica Insulation Company, The.
Formica Insulation Company, The, Cincinnati, Ohio, now by change of name The Formica Company. Decorative laminated paneling. Serial No. 528,204, June 21. Class 12.
Franklin Laboratories, Inc., Englewood, N. J. Pharmaceutical preparation. Serial No. 542,758, June 21. Class 6.
Franklin Manufacturing Co., Inc., Brockton, Mass. Toy footballs and footballs. Serial No. 543,589, June 21. Class 22.
Franklin Manufacturing Co., Inc., Brockton, Mass. Toy footballs and footballs. Serial Nos. 543,591–2, June 21. Class 22.
Franklin Manufacturing Co., Inc., Brockton, Mass. Toy footballs and footballs. Serial No. 543,594, June 21. Class 22.
Friedman, Abe A., Atlanta, Ga. Watches. Serial No. 556,627, June 21. Class 27.
Frye, John A., Shoe Company, Marlboro, Mass. Cowboy boots. Serial No. 548,742, June 21. Class 39.
Full-Knit Hosiery Mills, Inc., Burlington, N. C. Men's hosiery. Serial No. 551,700, June 21. Class 39.
Garland Knitting Mills, Jamaica Plain, Mass. Women's and girls' sweaters. Serial No. 563,674, June 21. Class 39.
Gerts and Cook, Inc., Los Angeles, Calif. Floor wax. Serial No. 537,448, June 21. Class 16.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Lubricating oil and penetrating oil. Serial No. 556,437, June 21. Class 15.
Gorham Manufacturing Company, Providence, R. I. Sterling silver flatware, hollowware, table cutlery. Serial No. 560,263, June 21. Class 28.
Gorham Manufacturing Company, Providence, R. I. Sterling silver flatware and table cutlery. Serial No. 560,397, June 21. Class 28.
Gorham Manufacturing Company, Providence, R. I. Silverplated ware. Serial No. 561,744, June 21. Class 28.
Granat Bros., Inc., San Francisco, Calif. Finger rings, lockets, bracelets, etc. Serial No. 542,924, June 21. Class 28.
Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. Serial No. 561,624, June 21. Class 27.
Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. Serial No. 547,631, June 21. Class 2.
Haas-Miller Corporation, Philadelphia, Pa. Fatty acid condensate for wetting out and scouring textile fabrics. Serial No. 566,930, June 21. Class 6.
Hale-Halsell Company, McAlester, Okla. Canned pineapple, canned corn, and canned hominy. Serial No. 547,448, June 21. Class 46.
Halex Limited, London, England. Toothbrushes, hair brushes, brushes, nail brushes, and shaving brushes. Serial No. 566,288, June 21. Class 29.
Hampden Sales Association, Inc., New York, N. Y. Cigarette cases. Serial No. 554,112, June 21. Class 8.
Hancock Oil Company of California, The, Long Beach, Calif. Lubricating oils and greases, gasoline, kerosene. Serial No. 522,480, June 21. Class 15.
Hanover Glove Co., Hanover, Pa. Gloves. Serial No. 555,602, June 21. Class 39.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Wood-encased pencils. Serial No. 534,116, June 21. Class 37.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Lead pencils and colored pencils. Serial No. 534,117, June 21. Class 37.
Harper Feed Mills, Washington, Pa. Dog food and yeast mash. Serial No. 546,405, June 21. Class 46.
Hickok Manufacturing Co. Inc., Rochester, N. Y. Necktie holders, collar fasteners, belt buckles, etc. Serial No. 549,247, June 21. Class 28.
Hickok Manufacturing Co. Inc., Rochester, N. Y. Jewelry. Serial No. 549,248, June 21. Class 28.
Hickok Manufacturing Co. Inc., Rochester, N. Y. Belt buckles, key chains, collar bars, etc. Serial No. 549,255, June 21. Class 28.
Higley Chemical Company, Dubuque, Iowa. Penetrating liquid. Serial No. 520,033, June 21. Class 16.
Hill Cross Company: *See*—
Wood, Donald.
Hoffman, H., Co.: *See*—
Hoffman, Harold.
Hoffman, Harold, doing business as H. Hoffman Co., Chicago, Ill. Keys, locks, and parts thereof. Serial No. 548,077, June 21. Class 25.
Holmes, T. J., Co., Inc., Chartley, Mass. Atomizers. Serial No. 553,703, June 21. Class 44.
Holsman, Max, doing business as Style-Art Handbags, New York, N. Y. Ladies' handbags. Serial No. 552,208, June 21. Class 3.
Hough Shade Corporation, Janesville, Wis. Wood splint shades and Venetian blinds. Serial No. 552,973, June 21. Class 32.
Houghton, E. F., & Co., Philadelphia, Pa. Quenching and tempering oils. Serial No. 555,412, June 21. Class 15.
Huffman Full Fashioned Mills, Inc., Morganton, N. C. Men's and ladies' hosiery. Serial No. 543,928, June 21. Class 39.
I. C. A. Industrie Conserve Alimentari, Soc. An., Rome, Italy. Concentrated tomato, tomato sauce, peeled tomatoes, etc. Serial No. 525,084, June 21. Class 46.
Ideal Industries, Inc., Sycamore, Ill. Electrical brazing, welding, and soldering equipment. Serial No. 519,662, June 21. Class 21.
Illinois Watch Case Co., Elgin, Ill. Smoking sets. Serial No. 546,103, June 21. Class 8.
Industrial Pattern Works: *See*—
Jacobson, Harry J.
Industrial Television, Inc., Clifton, N. J. Television receivers. Serial No. 547,125, June 21. Class 21.
Innoventions, Inc., Paoli, Pa. Tick repellent lotion. Serial No. 559,614, June 21. Class 6.
International Camera Company, Chicago, Ill. Still camera, lenses for cameras, photographic film. Serial No. 577,556, June 21. Class 26.
International Paint Company, Inc., New York, N. Y. Ready-mixed paints, enamels, varnishes, etc. Serial No. 557,041, June 21. Class 16.
International Paint Company, Inc., New York, N. Y. Ready-mixed paints, enamels, varnishes, etc. Serial No. 557,043, June 21. Class 16.
Isaacs, I. C., & Co. Inc., Baltimore, Md. Suits, pants, jackets, riding breeches, and jodhpues for men, boys, ladies, and girls. Serial No. 547,458, June 21. Class 39.
Jacobson, Harry J., doing business as Industrial Pattern Works, Chicago, Ill. Core boxes and dryer shells. Serial No. 549,075, June 21. Class 23.
Jones, S. M., & Co.: *See*—
Jones, Samuel M.
Jones, Samuel M., doing business under the name and style of S. M. Jones & Co., New Bern, N. C. Fresh vegetables and watermelons. Serial No. 532,596, June 21. Class 46.

Joseph & Feiss Company, The, Cleveland, Ohio. Men's suits. Serial No. 544,092, June 21. Class 39.
Kalo Inoculant Company, Quincy, Ill. Bacterial inoculants. Serial No. 540,827, June 21. Class 10.
Kelbert Watch Company, New York, N. Y. Watches, watch cases, and watch movements, and parts thereof. Serial No. 556,454, June 21. Class 27.
Kemart Corporation, San Francisco, Calif. Neutralizer fluid compound and highlight white compound. Serial No. 554,125, June 21. Class 6.
Kemart Corporation, San Francisco, Calif. Neutralizer fluid compound and highlight white compound. Serial No. 554,130, June 21. Class 6.
Kenney Manufacturing Company, Cranston, R. I. Metal curtain rods, drapery hardware, and window shade hardware. Serial No. 549,810, June 21. Class 13.
Key-Tag Checking System Company, The, Cleveland, Ohio. Shirt finishing appliances. Serial No. 553,714, June 21. Class 24.
King Milling Company, Lowell, Mich. Wheat flour. Serial No. 549,552, June 21. Class 46.
Klauss-Khite, San Antonio, Tex. Insecticides. Serial No. 565,553, June 21. Class 6.
Kling, L. A., Jr., Chicago, Ill. Mechanical burglar alarms. Serial No. 545,489, June 21. Class 23.
Knobby Coat Co., Inc., New York, N. Y. Women's suits. Serial No. 552,464, June 21. Class 39.
La Cigogne de Strasbourg, G. & L. Stein, Societe a Responsabilite Limitee, Schiltigheim (Bas-Rhin), France. Beer. Serial No. 529,937, June 21. Class 48.
Lanca Handbags Corporation, Batavia, N. Y. Women's handbags. Serial No. 570,619, June 21. Class 3.
Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Toilet water. Serial No. 573,954, June 21. Class 6.
Larkin Co. Inc., Buffalo, N. Y. Shaving cream. Serial No. 555,182, June 21. Class 4.
Laymon, Herman B., doing business as World's Product Company, Spencer, Ind. Sun glare goggles. Serial No. 562,785, June 21. Class 26.
Lee Paper Company, Vicksburg, Mich. Bond paper. Serial No. 556,899, June 21. Class 37.
Lincoln Engineering Company, St. Louis, Mo. Portable apparatus for receiving fluid. Serial No. 505,504, June 21. Class 23.
Lincoln Engineering Company, St. Louis, Mo. Portable and stationary pumping apparatus. Serial No. 527,144, June 21. Class 23.
Los Angeles Laboratories, Inc., The, Los Angeles, Calif. Calcium gluconate wafers, and thiamin hydrochloride. Serial No. 560,767, June 21. Class 6.
MacGregor and Ross Limited, Glasgow, Scotland. Scotch whisky. Serial No. 551,985, June 21. Class 49.
Mae-Son-Ette Company: *See*—
Stinson, Clara M.
Maish, Chas. A., Co., The, Cincinnati, Ohio. Mattresses. Serial No. 553,498, June 21. Class 32.
Manne & Weill, Inc., New York, N. Y. Ladies' and children's fabric gloves. Serial No. 558,905, June 21. Class 39.
Marshall Field & Company, Chicago, Ill. Women's hosiery. Serial No. 576,762, June 21. Class 39.
Mayer Co., Inc., The, New York, N. Y. Hosiery. Serial No. 546,307, June 21. Class 39.
McAdoo & Allen Welting Company, Quakertown, Pa. Leather shoe welting. Serial No. 537,333, June 21. Class 39.
Meierjohan-Wengler Co., Cincinnati, Ohio. Cemetery flower vases. Serial No. 545,869, June 21. Class 13.
Meyer, Flora M., doing business as Renaissance Toiletries, Cleveland, Ohio. Toiletries. Serial No. 503,583, June 21. Class 6.
Middletown Footwear, Inc., Middletown, N. Y. Shoes. Serial No. 548,980, June 21. Class 39.
Midland Industrial Finishes Company, Waukegan, Ill. Synthetic baking and air drying enamels, furniture paints and lacquers, paint primer, and rubber-based paint. Serial No. 509,434, June 21. Class 16.
Mid-States Gummed Paper Co., Chicago, Ill. Decalcomania paper. Serial No. 544,641, June 21. Class 37.
Minnesota Woolen Company, Duluth, Minn. Men's, women's, and children's outer garments. Serial No. 543,729, June 21. Class 39.
Monticello Drug Company, Jacksonville, Fla. Liquid preparations for treatment of colds, headaches, neuralgia, etc. Serial No. 562,080, June 21. Class 6.
Moore-McCormack Lines, Inc., New York, N. Y. Water transportation. Serial No. 536,275, June 21. Class 55.
Morris Paint & Varnish Co., St. Louis, Mo. Plastic wall finish. Serial No. 540,695, June 21. Class 16.
Mousley, George E., Inc., New York, N. Y. Inflatable balls. Serial No. 555,552, June 21. Class 22.
N. V. Brouwerij D'Orangeboom, Rotterdam, Holland. Beer. Serial No. 560,538, June 21. Class 48.
National Carbon Company, Inc., New York, N. Y. Anti-freeze testers. Serial No. 561,762, June 21. Class 26.
National Cylinder Gas Company, Chicago, Ill. Gas welding and cutting apparatus and supplies. Serial No. 548,594, June 21. Class 34.
National Cylinder Gas Company, Chicago, Ill. Chemical fluxes and compressed gases. Serial No. 566,999, June 21. Class 6.
National Oil Products Co.: *See*—
Nopco Chemical Company.
National Rifle Association of America, Washington, D. C. Pamphlets. Serial No. 509,360, June 21. Class 38.
National Starch Products Inc., New York, N. Y. Adhesives. Serial No. 539,840, June 21. Class 5.
National Steel Construction Co., Seattle, Wash. Range boilers. Serial No. 545,755, June 21. Class 34.
National Superior Fur Dressing & Dyeing Co., Chicago, Ill. Fur cleaning and storage. Serial Nos. 562,388–9, June 21. Class 55.
Nestle Lemur Company, The, South Meriden, Conn. Treated paper sheets. Serial No. 512,339, June 21. Class 44.
Nopco Chemical Company, now by change of name from National Oil Products Co., Harrison, N. J. Shampoo. Serial No. 511,350, June 21. Class 6.
Norwich Knitting Company, Norwich, N. Y. Men's, women's, and children's clothing. Serial No. 547,930, June 21. Class 39.
Oak Rubber Company, The, Ravenna, Ohio. Toy balloon animals. Serial No. 555,689, June 21. Class 22.
O'Brien Corporation, The: *See*—
O'Brien Varnish Company.
O'Brien Varnish Company, South Bend, Ind., now by change of name The O'Brien Corporation. Ready-mixed paint, paint enamels, paint enamel undercoats, etc. Serial No. 517,794, June 21. Class 16.
Pacific Wire Products Corporation, also doing business as Aircraft Containers Co. and also operating as Durablit Manufacturing Company, Los Angeles, Calif. Pull toys. Serial No. 494,861, June 21. Class 22.
Patige, John C., & Company, Boston, Mass. Insurance, brokerage, and agency services. Serial No. 538,035, June 21. Class 35.
Palmetto Garment Company, Greenville, S. C. Children's cotton slips, women's cotton slips, children's sunsuits, etc. Serial No. 560,132, June 21. Class 39.
Parichy Roofing and Shingle Company, Forest Park, Ill. Roofing tiles. Serial No. 554,911, June 21. Class 12.
Penn, William, Laundry, Inc., Philadelphia, Pa. Laundering. Serial No. 558,427, June 21. Class 55.
Pfanstiehl Chemical Co.: *See*—
Pfanstiehl Chemical Company.
Pfanstiehl Chemical Company, doing business as Pfanstiehl Chemical Co., Chicago and Waukegan, Ill. Resistance type pick-up elements. Serial No. 518,905, June 21. Class 21.
Pine-O-Pine Company of Texas, Houston, Tex. Bath water perfume lotion. Serial No. 567,150, June 21. Class 6.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paint enamels, varnishes, and ready-mixed paints. Serial No. 556,024, June 21. Class 16.
Poloron Products, Inc., New Rochelle, N. Y. Coasting vehicle. Serial No. 549,752, June 21. Class 22.
Pond's Extract Company, New York, N. Y. Lipsticks. Serial No. 563,980, June 21. Class 6.
Prestige, Incorporated, Philadelphia, Pa. Pajamas, men's shorts and polo shirts. Serial No. 528,738, June 21. Class 39.
Prince Gardner Company, St. Louis, Mo. Leather suit and traveling bags, fitted over night bags, etc. Serial No. 542,652, June 21. Class 3.
Progress Jewelry Mfg. Co., Providence, R. I. Ladies' costume jewelry. Serial No. 561,040, June 21. Class 28.
Pulitzer, Ben, New York, N. Y. Neckties. Serial No. 544,282, June 21. Class 39.
Pure Oil Company, The, Chicago, Ill. Mineral lubricating oils. Serial No. 526,831, June 21. Class 15.
Pure Oil Company, The, Chicago, Ill. Hydrocarbon burning oils, illuminating oil and kerosene. Serial No. 527,287, June 21. Class 15.
Pure Oil Company, The, Chicago, Ill. Lubricating oil and grease, fuel oil, burning oil, and naphtha. Serial No. 527,855, June 21. Class 15.
Purple Cross, Inc., Denver, Colo. Services in connection with advance provision for funerals. Serial No. 541,371, June 21. Class 35.
Race & Race, Inc., Winter Haven, Fla. Aluminum ladders. Serial No. 550,072, June 21. Class 50.
Ramsey Corporation, Dover, Del., and St. Louis, Mo. Piston rings, inner rings for piston rings. Serial No. 554,412, June 21. Class 35.
Ratti, Giuseppe, Torino, Italy. Spectacles, spectacle frames, spectacle glasses, etc. Serial No. 563,753, June 21. Class 26.
Realisticus Corporation, Washington, D. C. Periodical publication. Serial No. 531,843, June 21. Class 38.
Reblan Co., The: *See*—
Blanchard, Ralph E.
Reed & Barton, Taunton, Mass. Silverware. Serial Nos. 554,159–60, June 21. Class 28.
Reed & Carnrick, Jersey City, N. J. Pharmaceutical preparation. Serial No. 567,209, June 21. Class 6.
Renaissance Toiletries: *See*—
Meyer, Flora M.
Republic Paint & Varnish Co., Chicago, Ill. Quick drying finish. Serial No. 541,440, June 21. Class 16.
Rhode Island Textile Company, Pawtucket, R. I. Shoe laces. Serial No. 570,630, June 21. Class 40.
Rodriguez Flavoring Syrups, Inc., Baltimore, Md. Syrups, concentrates, and extracts. Serial No. 521,686, June 21. Class 45.
Rohrlich, Edith, New York, N. Y. Eye glass cases. Serial No. 544,114, June 21. Class 26.

Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. Serial No. 544,292, June 21. Class 39.
Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. Serial No. 544,295, June 21. Class 39.
Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. Serial No. 544,297, June 21. Class 39.
Rothenberg & Schloss Cigar Company, Kansas City, Mo. Cigars, smoking and chewing tobacco. Serial No. 553,906, June 21. Class 17.
Royal Uniform Company, Philadelphia, Pa. Men's military uniforms, men's uniforms. Serial No. 551,734, June 21. Class 39.
Russell, F. C., Company, The, Cleveland, Ohio. Adjustable storm windows and adjustable combination storm and screen windows. Serial No. 519,833, June 21. Class 12.
Ryerson Oil Co., Inc., New York, N. Y. Lubricating wax, grease and oil for machine parts. Serial Nos. 560,227–8, June 21. Class 15.
S. F. Appliances, Limited, Ridgefield, N. J. Gasoline and kerosene lanterns and lamps and incandescent mantles and reflectors, etc. Serial No. 544,782, June 21. Class 34.
S. & L. Belt Co., Inc., New York, N. Y. Apparel belts. Serial No. 548,103, June 21. Class 39.
Samaan Company, The, Providence, R. I. Finger rings. Serial No. 546,619, June 21. Class 28.
Schenley Laboratories, Inc., New York, N. Y. Penicillin tablets. Serial No. 567,048, June 21. Class 6.
Scripture, Dr. I. E., Company, Frankfort, Ind. Medicinal preparation. Serial No. 547,285, June 21. Class 6.
Seldlits Paint & Varnish Company, Kansas City, Mo. Paint, varnish, and lacquer. Serial No. 540,323, June 21. Class 16.
Seko Products Co.: *See*—
Troutman, Roy J.
Select Products Company, Irwin, Pa. Thin, crisp, edible stripe made principally from corn meal. Serial No. 551,411, June 21. Class 46.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Sedative, anesthetic and sleep-producing preparation. Serial No. 557,233. June 21. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Mineral, vitamin preparation. Serial No. 559,249, June 21. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. Serial No. 560,059, June 21. Class 6.
Sheffield Steel Corporation, Kansas City, Mo. Wire fence. Serial No. 539,090, June 21. Class 13.
Sher, Charles S., Company Inc., New York, N. Y. Wrapping paper, tissue paper, paper towels, etc. Serial No. 521,365, June 21. Class 37.
Short, William P., Detroit, Mich. Bird seed. Serial No. 522,059, June 21. Class 46.
Signal Devices and Alarm Company, The, Cleveland, Ohio. Burglar-alarm service. Serial No. 535,265, June 21. Class 55.
Signode Steel Strapping Company, Chicago, Ill. Anchor plates, wall cleats, stays and staples, etc. Serial No. 548,866, June 21. Class 13.
Signode Steel Strapping Company, Chicago, Ill. Package, bundle and load binding strapping; anchor plates, wall cleats, etc. Serial No. 548,869, June 21. Class 13.
Simon, Paul, New York, N. Y. Cleaning of furs, fur coats, and cloth garments. Serial No. 560,664, June 21. Class 55.
Sinclair Refining Company, New York, N. Y. Lubricating oils. Serial No. 551,323, June 21. Class 15.
Skasol Corporation, Webster Groves, Mo. Applicator or short-handled cleaning mop. Serial No. 549,092, June 21. Class 29.
Smith, H. P., Paper Company, Chicago, Ill. Wet-strength paper. Serial No. 547,783, June 21. Class 37.
Smith, S. K., Company, The, Chicago, Ill. Artificial leather products. Serial No. 531,252, June 21. Class 37.
Solomon, A., New Orleans, La. Clothing for men, students, and boys. Serial No. 549,184, June 21. Class 39.
Sonneborn, L., Sons, Inc., New York, N. Y. Water soluble sulfonated petroleum surface active agents. Serial No. 551,143, June 21. Class 4.
South Coast Corporatinn, The, New Orleans, La. Pure cane sugar. Serial No. 550,564, June 21. Class 46.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets and badminton rackets. Serial No. 538,668, June 21. Class 22.
Spring-Air Company, Holland, Mich. Mattresses and box springs. Serial No. 530,444, June 21. Class 32.
Stalpic Coating Corporation, Chicago, Ill. Resinous plastic solution. Serial No. 520,652, June 21. Class 16.
Stampfl, Walter J., Jamaica, N. Y. Pamphlets. Serial No. 549,983, June 21. Class 38.
Standard Clay Products Company, Inc., Philadelphia, Pa. Fire bricks. Serial No. 543,231, June 21. Class 12.
Standard Clay Products Company, Inc., Philadelphia, Pa. Fire bricks. Serial No. 543,233, June 21. Class 12.
Star Expansion Bolt Company, New York, N. Y. Bolt anchors. Serial No. 533,629, June 21. Class 13.
Star Expansion Bolt Company, New York, N. Y. Expansion shields. Serial Nos. 533,630–2, June 21. Class 13.
Star Expansion Bolt Company, New York, N. Y. Toggle bolts and parts thereof. Serial Nos. 533,633–4, June 21. Class 13.
Stearns & Foster Company, The, Cincinnati, Ohio. Mattresses and box springs. Serial No. 549,374, June 21, Class 32.
Stedford Chemical Co., Fayetteville, N. Y. Emulsifying and cleansing agent. Serial No. 501,881, June 21. Class 4.
Steel Forgings, Inc., Shreveport, La. Pipe saddles. Serial No. 547,676, June 21. Class 13.
Stinson, Clara M., doing business as Mae-Son-Ete Company, Cleveland Heights, Ohio. Combined cleaning and polishing preparations. Serial No. 513,693, June 21, Class 16.
Style-Art Handbags: *See*—
Holzman, Max.
Sun Oil Company, Philadelphia, Pa. Clear penetrating oil; detergent type motor lubricating oil; door hinge lubricating grease; etc. Serial No. 513,694, June 21. Class 15.
Sunskes, Max, assignor to Wonder Window Washer Mfg. Co., New York, N. Y. Window washer. Serial No. 505,456, June 21. Class 23.
Sutliff Tobacco Company, San Francisco, Calif. Smoking tobacco. Serial No. 546,885, June 21. Class 17.
Swanson, C. A., & Sons, Omaha, Nebr. Canned goods. Serial No. 527,992, June 21. Class 46.
Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. Serial Nos. 525,427–8, June 21. Class 17.
Thatcher Glass Manufacturing Company, Inc., Elmira, N. Y. Glass bottles, and glass tumblers. Serial No. 535,897, June 21. Class 33.
Thayer, Inc., Gardner, Mass. Play yards and pens. Serial No. 540,738, June 21. Class 32.
Thomson Paper Mills, Inc., Thomson, N. Y. Facial and toilet tissues. Serial No. 555,209, June 21. Class 37.
Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Liquid fuel tanks. Serial No. 528,660, June 21. Class 2.
Torres, August S., Kinderhook, N. Y. Electric coffee roasters. Serial No. 499,926, June 21. Class 21.
Treasure Chest Co., Brooklyn, N. Y. Novelty and costume jewelry. Serial No. 544,006, June 21. Class 28.
Tregilgas, Harold R., South St. Paul, Minn. Insulated concrete building block. Serial No. 557,228, June 21. Class 12.
Triteet Screw Products Corp., Chicago, Ill. Screws, nuts, and bolts. Serial No. 550,968, June 21. Class 13.
Trommer, John F., Inc., Brooklyn, N. Y. Lager beer. Serial No. 544,619, June 21. Class 48.
Troop Water Heater Company, Pittsburgh, Pa. Pressure heating and hot water tanks, range boilers, hot water heaters, etc. Serial Nos. 540,489–91, June 21. Class 34.
Troutman, Roy J., doing business as Seko Products Co., Shamokin, Pa. Cough syrup. Serial No. 565,663, June 21. Class 6.
Tulsa Canvas Products Company, Tulsa, Okla. Seats for grandstands or stadiums. Serial No. 493,082, June 21. Class 32.
Union Supply Company, Pittsburgh, Pa. Motor fuel oil, gasoline, and lubricating greases. Serial No. 519,361, June 21. Class 15.
United-Carr Fastener Corporation, Cambridge, Mass. Fasteners, connectors and attaching devices of various types. Serial No. 497,892, June 21. Class 13.
United Specialties Company, Chicago, Ill. Children's scooters and wheelbarrows. Serial No. 506,074, June 21. Class 22.
U. S. Sanitary Specialties Corporation, Chicago, Ill. Soap dispensers; valves and tanks for dispensing soap. Serial No. 542,979, June 21. Class 13.
Universal Pictures Company, Inc., New York, N. Y. Films. Serial No. 510,452–3, June 21. Class 26.
Valjean Pearl Corp., Brooklyn, N. Y. Pearl necklaces and earrings. Serial No. 560,308, June 21. Class 28.
Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. Serial No. 527,772, June 21. Class 37.
Wadsworth Watch Case Company, The, Dayton, Ohio. Watch cases. Serial No. 528,966, June 21. Class 27.
Wamsutta Mills, New Bedford, Mass. Outer shirts, shorts, and pajamas. Serial No. 540,745, June 21. Class 39.
Waterbury Companies, Incorporated, Waterbury, Conn. Electrical attachment plugs. Serial No. 551,419, June 21. Class 21.
Weber Costello Co., Chicago Heights, Ill. Dustless crayons. Serial No. 532,781, June 21. Class 37.
Wekaler Egg Co., Los Angeles, Calif. Eggs. Serial No. 552,027, June 21. Class 46.
Welex Jet Services, Inc.: *See*—
Well Explosives, Inc.
Well Explosives, Inc., Fort Worth, Tex., now by change of name Welex Jet Services, Inc. Oil well perforating and open hole shooting services. Serial No. 553,949, June 21. Class 55.
Wells Lamont Corporation, Chicago, Ill. Work gloves. Serial No. 557,570, June 21. Class 39.
Welsh Co., St. Louis, Mo. Baby swings. Serial No. 550,763, June 21. Class 22.
West Disinfecting Company, Long Island City, N. Y. Hand mop, wax hand mop. Serial No. 554,453, June 21. Class 29.

Wilbur-Suchard Chocolate Company, Inc., Borough of Lititz, Pa. Chocolate coating. Serial No. 530,691, June 21. Class 46.
Winter, Bernard A., doing business under the firm name of Winter Manufacturing Company, Tacoma, Wash. Power operated garden tractors. Serial No. 501,550, June 21. Class 23.
Winter Manufacturing Company: *See*—
Winter, Bernard A.
Wonder Window Washer Mfg. Co.: *See*—
Sunskes, Max.
Wood, Donald, doing business under the name and style of Hill Cross Company, New York, N. Y. Kitchen implement. Serial No. 552,535, June 21. Class 23.
Woodrow Stores, Inc., New York, N. Y. Men's and boys' hats, coats, suits, etc. Serial Nos. 542,709–11, June 21. Class 39.
World's Product Company: *See*—
Laymon, Herman B.

LIST OF REGISTRANTS OF TRADE-MARKS

A. B. T. Manufacturing Corporation, Chicago, Ill. Coin-controlled automatic food and commodity vending machine. 440,352, Aug. 24, 1948. Republished June 21. Class 23.
Aberle, Inc., Philadelphia, Pa. Hosiery. 511,253, June 21; Serial No. 537,175, published Feb. 22, 1949. Class 39.
Abraham & Straus, Inc., Brooklyn, N. Y. Women's and misses' raincoats and hoods. 511,131, June 21: Serial No. 516,944, published May 18, 1948. Class 39.
Ada Milling Company, Ada, Okla. Dairy feed. 511,208, June 21; Serial No. 534,223, published Nov. 23, 1948. Class 46.
Aileen Mills Company: *See*—
Aileen Mills Inc.
Aileen Mills Inc., to Aileen Mills Company, Biscoe, N. C. Spreads, draperies, counterpanes, etc. 252,810, renewed Feb. 12, 1949. O. G. June 21. Class 42.
Akron Truss Co., Inc., The, Cuyahoga Falls, Ohio. Surgical trusses and pads therefor. 511,115, June 21; Serial No. 500,041, published Feb. 8, 1949. Class 44.
Alcan Rubber Company: *See*—
Schwarzwaelder Company.
Algemeene Kunstzijde Unie, N. V. Arnhem, Netherlands. Knitted, netted and textile fabrics in the piece. 442,956, June 21; Serial No. 524,040, published Feb. 8, 1949. Class 42.
Algin Products Corporation, to Feedwaters, Inc., New York, N. Y. Chemicals. 261,692, renewed Sept. 24, 1949. O. G. June 21. Class 6.
Alladin Cosmetic Company, Minneapolis, Minn., to Rilling Company, Bridgeport, Conn. Finger and water waving compound and fluid. 254,929, renewed Apr. 2, 1949. O. G. June 21. Class 6.
Allen Silk Mills, New York, N. Y. Vestment fabrics. 511,130, June 21; Serial No. 514,078, published Mar 1, 1949. Class 42.
Allied Chemical & Dye Corporation, The: *See*—
Barrett Company, The.
Aloe, A. S., Company, St. Louis, Mo. Electrical apparatus. 511,159–60, June 21; Serial Nos. 528,179–80, published Mar. 8, 1949. Class 21.
American Cast Iron Pipe Company, Birmingham, Ala. Cast iron pipe and fittings therefor. 511,273, June 21; Serial No. 538,702, published Mar. 8, 1940. Class 13.
American Chicle Company: *See*—
Bon-Bon Company.
Fleer, Frank H., and Company.
American Chicle Company, Long Island City, N. Y. Chewing gum. 113,665, Oct. 31, 1916. Republished June 21, Class 46.
American Chicle Company, Long Island City, N. Y. Chewing gum. 117,501, July 17, 1917. Republished June 21. Class 46.
American Chicle Company, Long Island City, N. Y. Chewing gum. 193,438, Dec. 30, 1924. Republished June 21. Class 46.
American Education Press, Inc.: *See*—
Looseleaf Education, Inc.
American Fixture and Manufacturing Co., St. Louis, Mo. Household furniture and commercial lounge furniture. 511,161, June 21; Serial No. 530,898, published Mar. 8, 1949. Class 32.
American Legal Publications, Inc., New York, N. Y. Series of law books. 511,446–7, June 21; Serial Nos. 554,073–4, published Mar. 1, 1949. Class 38.
American Swiss Company, The, Toledo, Ohio. Vehicle door latches. 511,161, June 21; Serial No. 528,305, published Feb. 15, 1949. Class 25.
American Woolen Company, Boston, Mass., to American Woolen Company, Boston, Mass., and New York, N. Y. Woolen piece goods. 259,641, renewed Aug. 6, 1949. O. G. June 21. Class 42.
American Wringer Company, Inc., Woonsocket, R. I. Squeezing rolls constructed of rubber adapted for use chiefly in laundry and textile machinery, paper machinery, etc. 259,193, renewed July 23, 1949. O. G. June 21. Class 23.
Anchor Paper Company, The, Cincinnati, Ohio. Wrapping paper. 163,704, Jan. 23, 1923. Republished June 21. Class 37.
Anchor Paper Company, The, Cincinnati, Ohio. Paper bags. 204,875, Oct. 27, 1925. Republished June 21. Class 2.
Andresen Corporation, Chicago, Ill. Mixture of aggregate bonded with asphalt. 511,120, June 21; Serial No. 513,285, published Feb. 22, 1949. Class 12.
Animal Trap Company of America, Lititz, Pa. Animal traps. 256,538, renewed May 21,1949. O. G. June 21. Class 50.
Ansonia Electrical Division of Noma Electric Corporation: *See*—
Noma Electric Corporation.
Ansul Chemical Company: *See*—
Du-Gas Fire Extinguisher Corporation.
Aristocrat Leather Products, Inc., New York, N. Y. Wallets, billfolds, pocketbooks and ladies' handbags. 511,481, June 21; Serial No. 538,990, published Feb. 1, 1949. Class 3.
Arkwright Merchandising Corporation, New York, N. Y. Women's corsets, brassieres, underdrawers, etc. 340,782, Nov. 24, 1936. Republished June 21. Class 39.
Armstrong Paint & Varnish Works, Chicago, Ill. Ready mixed paint, varnishes and paint enamels. 511,259, June 21; Serial No. 538,060, published Mar. 15, 1949. Class 16.
Armstrong Paint & Varnish Works, Chicago, Ill. Paint enamels. 511,260, June 21; Serial No. 538,076, published Mar. 15, 1949. Class 16.
Armstrong Paint & Varnish Works, Chicago, Ill. Varnish. 511,261, June 21; Serial No. 538,078, published Mar. 15, 1949. Class 16.
Arnolt Corporation, Warsaw, Ind. Spotlights. 511,401, June 21; Serial No. 547,815, published Mar. 8, 1940. Class 21.
Arons, Adolph, & Sons by Adolph Arons & Sons, Inc., Jersey City, N. J. Men's suits, overcoats, topcoats, etc. 383,586, Dec. 17, 1940. Republished June 21. Class 39.
Arons, Adolph, & Sons, Inc.: *See*—
Arons, Adolph, & Sons.
Associated Merchandising Corporation, New York, N. Y. Razor blades. 511,266, June 21; Serial No. 538,342, published Mar. 8, 1940. Class 23.
Atlantic Southwestern Broom Co., Baltimore, Md. Brooms. 511,367, June 21; Serial No. 546,276, published Jan. 11, 1949. Class 29.
Attorney General of the United States, vested in the: *See*—
Hilhuber, E., Inc.
Bleistiftfabrik vormals Johann Faber Actien Gesellschaft.
Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft.
Chemische Fabrik Gruenau Landshoff & Meyer Aktiengesellschaft.
Mühlens & Kropff.
Mühlens, Paul.
Auburn Spark Plug Co., Inc., Auburn, N. Y. Spark plugs. 511,366, June 21; Serial No. 546,172, published Mar. 8, 1949. Class 21.
Aulsbaugh Bros., Brosius, W. Va. Canned tomato juice. 511,212, June 21; Serial No. 534,976, published Mar. 8, 1940. Class 46.
Bacmo Postman Corporation, New York, N. Y. Men's and boys' gloves and mittens. 511,319, June 21; Serial No. 542,070, published Mar. 8, 1949. Class 39.
Baekeland, Leo H., Yonkers, to Bakelite Corporation, New York, N. Y. Condensation products of phenol and formaldehyde. 75,206, re-renewed Sept. 14, 1949. O. G. June 21. Class 6.
Bakelite Corporation: *See*—
Baekeland, Leo H.
Baldwin Company, The, Cincinnati, Ohio. Reproducers. 442,961, June 21; Serial No. 525,182, published Mar. 15, 1949. Class 21.
Banner, A., Inc., New York, N. Y. Ladies' handbags. 511,459, June 21; Serial No. 555,795, published Jan. 18, 1949. Class 3.
Barbizon Corporation, The, New York, N. Y. Ladies' slips. 436,532–3, Feb. 10, 1948. Republished June 21. Class 39.
Barrett Company, The, by Allied Chemical & Dye Corporation, New York, N. Y. Chemical fertilizers. 319,532, Nov. 27, 1934. Republished June 21. Class 10.
Barrett Company, The, by Allied Chemical & Dye Corporation, New York, N. Y. Inorganic chemicals. 320,510, Jan. 1, 1935. Republished June 21. Class 6.
Barrett Company, The, by Allied Chemical & Dye Corporation, New York, N. Y. Fertilizer. 367,134, May 9, 1939. Republished June 21. Class 10.

Basic Foods, Inc., by Basic Foods, Inc. (1947), New York, N. Y. Icing for cakes and cookies. 323,018, Mar. 26, 1935. Republished June 21. Class 46.

Basic Foods, Inc. (1947): *See*—
Basic Foods, Inc.

Bates, C. J., & Son, Chester, Conn. Eyebrow tweezers, nail files, manicure sticks, etc. 511,470, June 21; Serial No. 557,426, published Mar. 15, 1949. Class 44.

Bates, H., Co., Inc., New York, N. Y. Hair nets. 511,430, June 21; Serial No. 550,480, published Mar. 8, 1949. Class 39.

Baumritter, T., Co., Inc., New York, N. Y. Living room chairs. 442,908, June 21; Serial No. 402,028, published Oct. 19, 1945. Class 32.

Bay State Sports, Boston, Mass. Footballs and basketballs. 511,507, June 21; Serial No. 536,340. Class 22.

Beautymasters of Beverly Hills, Inc., Milwaukee, Wis. Eyelid cream and eye lotion. 511,428, June 21; Serial No. 550,301, published Mar. 8, 1949. Class 6.

Becken, A. C., Co., Chicago, Ill. Publication. 511,377, June 21; Serial No. 546,902, published Mar. 8, 1949. Class 38.

Becker, Alexander, doing business as British Wool Company, London Knitting Company and British Knitwear Company, Wembley, England. Yarn and thread. 511,478, June 21; Serial No. 558,775, published Feb. 8, 1949. Class 43.

Behrens, Sir Jacob, & Sons, Bradford, Yorkshire, England. Piece goods. 511,469, June 21; Serial No. 557,174, published Feb. 15, 1949. Class 42.

Belch, Paul F., Co., Bloomington, Ill. Candy. 511,279, June 21; Serial No. 539,120, published Mar. 1, 1949. Class 46.

Belk-Stevens Company, Winston-Salem, N. C. Men's and boys' overalls. 511,137, June 21; Serial No. 519,917, published Feb. 22, 1949. Class 39.

Beltx Corporation, St. Louis, Mo. Sanitary belts and clasps and other parts thereof. 442,953, June 21; Serial No. 522,583, published Feb. 15, 1949. Class 44.

Benevolent and Protective Order of Elks of the United States of America, New York, N. Y. Monthly magazine. 207,649, Jan. 5, 1926. Republished June 21. Class 38.

Benjamin Electric Manufacturing Company, Des Plaines, Ill. Electric floodlights. 511,144, June 21; Serial No. 523,733, published Mar. 8, 1949. Class 21.

Better Buy Wholesale Grocers, Fresno, Calif. Tray paper. 511,141, June 21; Serial No. 522,185, published Mar. 8, 1949. Class 37.

Better Buy Wholesale Grocers, Fresno, Calif. Brooms. 511,142, June 21; Serial No. 522,187, published Feb. 22, 1949. Class 29.

Better Packages, Inc., New York, N. Y., to Better Packages, Inc., Shelton, Conn. Tape-serving machines. 261,440, renewed Sept. 17, 1949. O. G. June 21. Class 23.

Big-Time Corporation, The, Miami, Fla., by Super-Fine Products, Inc., Atlanta, Ga. Non-alcoholic maltless beverages. 239,500, Mar. 6, 1928. Republished June 21. Class 45.

Bilhuber, E., Inc., New York, N. Y.; vested in the Attorney General of the United States, Washington, D. C., and to him. Medicine. 249,687, renewed Nov. 20, 1948. O. G. June 21. Class 6.

Billings & Spencer Company, The, Hartford, Conn. Chains. 511,343, June 21; Serial No. 543,352, published Mar. 8, 1949. Class 13.

Bireley, Frank W., doing business as The Frank W. Bireley Company, Los Angeles, Calif., to General Foods Corporation, New York, N. Y. Preparation consisting of orange juice, sugar and oil of orange. 261,527, renewed Sept. 17, 1949. O. G. June 21. Class 46.

Bireley, Frank W., Company, The: *See*—
Bireley, Frank W.

Birnie Company, The, Atlanta, Ga. Boys' dress and sport shirts, pajamas, pants, etc. 511,514, June 21; Serial No. 545,427. Class 39.

Bischoff, Ernst, Company, Incorporated: *See*—
Bischoff, Ernst, Co. Inc.

Bischoff, Ernst, Co. Inc., New York, N. Y., to Ernst Bischoff Company, Incorporated, Ivoryton, Conn. Soaps. 259,977, renewed Aug. 13, 1949. O. G. June 21. Class 4.

Bleistiftfabrik vormals Johann Faber Actien Gesellschaft, Nuremberg, Germany, vested in the Attorney General of the United States, Washington, D. C. Lead, colored, slate and copying pencils, mechanical pencils, etc. 71,572, re-renewed Dec. 1, 1948. O. G. June 21. Class 37.

Bleistiftfabrik vormals Johann Faber Actien Gesellschaft, Nuremberg, Germany, vested in the Attorney General of the United States, Washington, D. C., and to him. Lead-pencils, colored pencils, copying-pencils, etc. 72,352, re-renewed Jan. 19, 1949. O. G. June 21. Class 37.

Blue Seal Extract Company, Cambridge, Mass. Grape beverage base or extract. 511,402, June 21; Serial No. 547,068, published Feb. 8, 1949. Class 45.

Bohemian Distributing Company, also doing business as International Products Company, Los Angeles, Calif. Whiskey. 316,375, Aug. 21, 1934. Republished June 21. Class 49.

Bon-Bon Company, New York, by American Chicle Company, Long Island City, N. Y. Chewing gum. 54,463, June 26, 1906. Republished June 21. Class 46.

Bonet, Philadelphia, Pa. Scarfs for women. 511,435, June 21; Serial No. 551,763, published Mar. 8, 1949. Class 39.

Borgfeldt, Geo., Corporation, New York, N. Y. Breakfast, luncheon and dinner glass tableware, and beverage glasses. 511,290, June 21; Serial No. 539,640, published Mar. 8, 1949. Class 33.

Boyle, John, & Company, Incorporated, New York, N. Y. Cotton duck. 247,316, Sept. 25, 1928. Republished June 21. Class 42.

Brady, W. H., Company, Eau Claire, Wis. Identification labels. 511,498, June 21; Serial No. 404,011. Class 38.

Brainard, Harold D., Clinton, Conn. Sailboats. 384,460, Jan. 21, 1941. Republished June 21. Class 19.

Braun Importing Co., Inc.: *See*—
Habicht, Braun & Co.

Brewster Shirt Corp., New York, N. Y. Men's shirts and sport shirts, pajamas and shorts. 511,269, June 21; Serial No. 538,490, published Mar. 1, 1949. Class 39.

Brinn Fabrics Corporation, New York, N. Y. Scarves and fascinators. 511,221, June 21; Serial No. 536,341, published Mar. 1, 1949. Class 39.

Bridgeport Fabrics, Inc., Bridgeport, Conn. Narrow fabric webbing. 511,129, June 21; Serial No. 514,176, published Mar. 1, 1949. Class 40.

Briggs Lemon Association, Santa Paula, Calif. Fresh citrus fruits. 346,256–7, May 18, 1937. Republished June 21. Class 46.

British Knitwear Company: *See*—
Becker, Alexander.

British Wool Company: *See*—
Becker, Alexander.

Briton Brush Company Limited, The, Wymondham, England. Brushes and brooms, toilet brushes, paint and varnish brushes, etc. 511,257, June 21; Serial No. 537,977, published Feb. 22, 1949. Class 29.

Brockway Glass Company, Inc., Brockway, Pa. Glass beer bottles. 381,448, Sept. 24, 1940. Republished June 21. Class 33.

Brooks, E. J., Company, Newark, N. J. Base metal seals. 505,592, Jan. 11, 1949. Corrected. O. G. June 21. Class 25.

Brown & Ackerman, Inc., New York, N. Y. Uniform twill. 511,490, June 21; Serial No. 562,317, published Feb. 15, 1949. Class 42.

Brown, Frank H., by Varcraft Works, Inc., Pottstown, Pa. Enamel paints, ready-mixed paints, colors in oil, etc. 128,020, Dec. 23, 1919. Republished June 21. Class 16.

Brown Shoe Company, Inc.: *See*—
Endicott Johnson Corporation.

Brunswick-Balke Collender Company, The, Chicago, Ill. Bowling alleys and parts thereof, bowling pin-setters and parts thereof, and newel posts for bowling ball racks. 405,335, Jan. 25, 1944. Republished June [illegible]. Class 22.

Bublick, Joseph, and Sons, Chicago, Ill. Suits, coats, trousers, overcoats, etc. 511,222, June 21; Serial No. 536,342, published Mar. 1, 1949. Class 39.

Bulova Watch Company, Inc., New York, N. Y. Watches. 511,523, June 21; Serial No. 553,572. Class 27.

Burklite Mfg. Co., Inc., Dayton, Ohio. Electric ornamental light fixtures, electrically illuminated Christmas tree ornaments, and electrically illuminated imitation candles. 511,318, June 21; Serial No. 541,915, published Mar. 15, 1949. Class 21.

Burns, Jabez, & Sons, Inc., New York, N. Y. Electrical instruments for detecting the presence of flammable gases or vapors. 439,677, July 13, 1948. Republished June 21. Class 26.

Burton Bros. & Co., to Burton Bros. & Co. Inc., New York, N. Y. Cotton fabrics. 32,631, re-renewed Mar. 28, 1949. O. G. June 21. Class 42.

Burton Bros. & Co. Inc.: *See*—
Burton Bros. & Co.

Bush, J. E., doing business as Outside Venetian Blind Co., Dallas, Tex. Metallic shutters. 511,440, June 21; Serial No. 552,634, published Mar. 1, 1949. Class 12.

Business Collaborators, Incorporated, St. Louis, Mo. Engine oil filters. 511,152, June 21; Serial No. 527,234, published Mar. 8, 1949. Class 31.

Busy Lee, Inc., New York, N. Y. Comic strips and newspaper columns. 511,419, June 21; Serial No. 549,499, published Mar. 8, 1949. Class 38.

Butler, Edgar M., doing business as Butler Engineering Company, New Orleans, La. Soot eradicator in dry form. 511,122, June 21; Serial No. 509,914, published Mar. 8, 1949. Class 6.

Butler Engineering Company: *See*—
Butler, Edgar M.

Butte Brewing Company, Inc., Butte, Mont. Beer. 511,267, June 21; Serial No. 538,352, published Mar. 15, 1949. Class 48.

Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany, vested in the Attorney General of the United States, Washington, D. C., and to him. Medicinal preparation. 251,263, renewed Jan. 1, 1949. O. G. June 21. Class 6.

Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany, vested in the Attorney General of the United States, Washington, D. C., and to him. Diuretic preparations. 252,603, renewed Feb. 12, 1949. O. G. June 21. Class 6.

Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany, vested in the Attorney General of the United States, Washington, D. C., and to him. Medicinal preparation. 254,054–5, renewed Mar. 12, 1949. O. G. June 21. Class 6.

Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany, vested in the Attorney General of the United States, Washington, D. C., and to him. Medicinal preparation. 254,305, renewed Mar. 19, 1949. O. G. June 21. Class 6.

Cadwallader-Gibson Co., Inc., by Mahogany Importing Company, Los Angeles, Calif. Lumber. 212,066, Apr. 27, 1926. Republished June 21. Class 12.

Cadwallader-Gibson Co., Inc., by Mahogany Importing Company, Los Angeles, Calif. Lumber. 212,079–80, Apr. 27, 1926. Republished June 21. Class 12.

Cadwallader-Gibson Co., Inc., by Mahogany Importing Company, Los Angeles, Calif. Lumber. 215,861, July 27, 1926. Republished June 21. Class 12.

Calder, Albert L., Company, Incorporated, Long Island City, N. Y. Dentifrice. 323,972, May 7, 1935. Republished June 21. Class 6.

California Cotton Mills Company, Oakland, Calif. Mops. 511,351, June 21; Serial No. 544,252, published Jan. 4, 1949. Class 29.

California Walnut Growers Association, Los Angeles, Calif. Walnuts. 511,213, June 21; Serial No. 534,994, published Mar. 1, 1949. Class 46.

Campbell, Harry T., Sons' Corporation, Towson, Md. Calcite grit for poultry feed. 402,098, June 29, 1943. Republished June 21. Class 1.

Campe Corporation, The, New York, N. Y. Men's and boys' underwear. 511,303, June 21; Serial No. 541,086, published Mar. 8, 1949. Class 39.

Canada Malting Co. Limited, Toronto, Ontario, Canada. Malt. 442,951, June 21; Serial No. 521,111, published Mar. 15, 1949. Class 46.

Capital Bakers, Inc., Harrisburg, Pa. Bread. 511,229, June 21; Serial No. 536,741, published Mar. 8, 1949. Class 46.

Carian, Harry, Coachella, Calif. Fresh grapes. 511,280, June 21; Serial No. 539,130, published Mar. 1, 1949. Class 46.

Carnation Bakery and Carnation Pastry Shoppe: *See*—
Kmets, George H.

Carrel, Chicago: *See*—
Walgreen Co.

Carrel, Ltd.: *See*—
Walgreen Co.

Carrel, Ltd., Chicago, Ill. Cosmetic preparations. 426,337, Dec. 24, 1946. Republished June 21. Class 6.

Carson, Albert, doing business as Noblis Mills, by Noblis Corporation, New York, N. Y. Hosiery and underwear for men, women, and children. 306,313, Sept. 12, 1933. Republished June 21. Class 39.

Carson, Albert, doing business as Idol Knitting Co., by Idol Inc., New York, N. Y. Hosiery and underwear for men, women, and children, and neckties for men. 308,905, Dec. 26, 1933. Republished June 21. Class 39.

Carson-Deans & Co., Inc., Chicago, Ill. Handkerchiefs and scarfs. 511,304, June 21; Serial No. 541,089, published Mar. 1, 1949. Class 39.

Carter Carburetor Corporation, St. Louis, Mo. Internal combustion engines and automotive accessories and parts. 439,682, July 13, 1948. Republished June 21. Classes 23 and 31.

Castle Purses, New York, N. Y. Women's purses. 511,476, June 21; Serial No. 558,217, published Feb. 1, 1949. Class 3.

Casual Craft, Inc., Chicago, Ill. Ladies' sportswear. 442,912, June 21; Serial No. 497,014, published Feb. 11, 1947. Class 39.

Cella Vineyards, doing business as Master Vintners Wine Co., Reedley, Calif. Wines. 511,406, June 21; Serial No. 548,135, published Feb. 8, 1949. Class 47.

Centennial Flouring Mills Company: *See*—
Tacoma Grain Company.

Central Grape Products Co., New York, N. Y. Wines. 511,460–1, June 21; Serial Nos. 555,890–1, published Mar. 8, 1949. Class 47.

Central Lemon Association, Orange, Calif. Fresh citrus fruit. 205,761, Nov. 17, 1925. Republished June 21. Class 46.

Central Lemon Association, Orange, Calif. Fresh citrus fruits. 205,951, Nov. 17, 1925. Republished June 21. Class 46.

Central Press Association, Inc., by The Hearst Corporation, New York, N. Y. Newspaper section. 309,150, Jan. 2, 1934. Republished June 21. Class 38.

Central Press Association, Inc., Cleveland, Ohio, by The Hearst Corporation, New York, N. Y. Newspaper sections or cartoons. 331,736, Jan. 21, 1936. Republished June 21. Class 38.

Cerophyl Laboratories, Inc., Kansas City, Mo. Therapeutic vitamin preparation. 395,893, June 16, 1942. Republished June 21. Class 6.

Cerophyl Laboratories, Inc., Kansas City, Mo. Therapeutic vitamin preparation. 397,420, Sept. 8, 1942. Republished June 21. Class 6.

Chamberlain Laboratories, Inc.: *See*—
Chamberlain Medicine Co.

Chamberlain Medicine Co., by Chamberlain Laboratories, Inc., Des Moines, Iowa. Lotion for hands. 261,414, Sept. 17, 1929. Republished June 21. Class 6.

Chase Bag Company, New York, N. Y. Twine. 511,477, June 21; Serial No. 558,468, published Feb. 8, 1949. Class 7.

Chelsea Clock Company, Chelsea and Boston, to Chelsea Clock Company, Chelsea, Mass. Clocks. 258,353, renewed July 2, 1949. O. G. June 21. Class 27.

Chemicals, Inc., San Francisco and Oakland, Calif. Liquid starch. 440,182, Aug. 17, 1948. Republished June 21. Class 6.

Chemische Fabrik Gruenau Landshoff & Meyer Aktiengesellschaft, Gruenau, Germany, vested in the Attorney General of the United States, Washington, D. C., and to him. Stones and artificial stones for building purposes, cement, lime, etc. 254,005, renewed Mar. 12, 1949. O. G. June 21. Class 12.

Cherokee Mills, Nashville, Tenn. Self-rising flour and plain wheat flour. 511,170, June 21; Serial No. 529,434, published Mar. 8, 1949. Class 46.

Chicago Daily News, Inc., The, Chicago, Ill. Newspapers. 251,988, Jan. 22, 1929. Republished June 21. Class 38.

Chicago Pharmacal Company, Chicago, Ill. Preparation for use in the treatment of spastic conditions. 401,449, May 18, 1943. Republished June 21. Class 6.

Chipman's, Chas., Sons Co., Inc.: *See*—
Roman Stripe Mills Inc.

Chromart Laboratories, Johnson City, N. Y. Processed color photographic prints. 442,958, June 21; Serial No. 524,666, published Mar. 8, 1949. Class 38.

Chrysler Corporation, Highland Park, Mich. Air conditioning units, coal fired, gas fired, and oil fired furnaces, burners, etc. 511,503, June 21; Serial No. 522,594. Class 34.

Chrysler Corporation, Highland Park, Mich. Air conditioning units, coal fired, gas fired, and oil fired furnaces, burners, etc. 511,504, June 21; Serial No. 522,596. Class 34.

Cleveland Heater Company, The, by The Patrol Valve Company, Cleveland, Ohio. Hot-water heaters, water-storage heaters, gas heating systems, etc. 214,345, June 22, 1926. Republished June 21. Class 34.

Cleveland Heater Company, The, Cleveland, Ohio. Thermostatically-operated pressure-relief valves, thermostatically and pressure operated relief valves, etc. 256,688, renewed May 21, 1949. O. G. June 21. Class 26.

Cleveland Heater Company, The, Cleveland, Ohio. Periodical publications. 259,478, July 30, 1929. Republished June 21. Class 38.

Cleveland Heater Company, The, Cleveland, Ohio. Periodical publications. 276,187, Oct. 7, 1930. Republished June 21. Class 38.

Cleveland Heater Company, The, Cleveland, Ohio. Gas, oil, and vapor burning water heaters, hot-water heating systems, etc. 277,996, Dec. 2, 1930. Republished June 21. Class 34.

Cleveland Heater Company, The, Cleveland, Ohio. Gas, oil, and vapor burning domestic hot-water-supply heaters and their structural parts. 281,679, Mar. 24, 1931. Republished June 21. Class 34.

Cleveland Heater Company, The, Cleveland, Ohio. Gas, oil, and vapor burning water heaters and their structural parts. 290,407–8, Jan. 5, 1932. Republished June 21. Class 34.

Cleveland Heater Company, The, Cleveland, Ohio. Metal pipe fittings. 317,589, Sept. 25, 1934. Republished June 21. Class 13.

Cleveland Heater Company, The, Cleveland, Ohio. Air conditioning apparatus. 342,238, Jan. 12, 1937. Republished June 21. Class 34.

Climax Beverage Company: *See*—
Home Brewing Company, Inc.

Climax Machinery Company, Indianapolis, Ind. Smoking stands. 325,859, July 9, 1935. Republished June 21. Class 32.

Cloverdale Knitwear Corporation, New York, N. Y. Childrens' and infants' sweaters, bootees, leggings, etc. 511,134, June 21; Serial No. 518,826, published Mar. 8, 1949. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 511,361, June 21; Serial No. 545,707, published Mar. 1, 1949. Class 39.

Coastal Valley Canning Co.: *See*—
Ortega, E. C., Co.

Coastal Valley Canning Co., Oxnard, Calif. Canned chiles. 440,477, Sept. 7, 1948. Republished June 21. Class 46.

Cock 'n Bull Products, Los Angeles, Calif. Ginger beer, ginger ale, quinine water, etc. 511,305, June 21; Serial No. 541,093, published Mar. 8, 1949. Class 45.

Cohlman & Cutler, Incorporated, Philadelphia, Pa. Industrial uniforms. 511,349, June 21; Serial No. 543,784, published Mar. 8, 1949. Class 39.

Colotrym Company, The, Seattle, Wash. Plain and grooved metallic molding strips and trimming ribbon elements. 511,227, June 21; Serial No. 536,587, published Mar. 8, 1949. Class 12.

Columbia Breweries, Inc., Tacoma, Wash. Beer. 511,326, June 21; Serial No. 542,287, published Mar. 1, 1949. Class 48.

Cone Automatic Machine Company Inc., Windsor, Vt. Automatic lathes and screw machines. 362,745, Nov. 29, 1938. Republished June 21. Class 23.

Consolidated Footwear Corporation, New York, N. Y. Misses', junior misses', and children's boots and oversboes. 511,132, June 21; Serial No. 517,036, published Mar. 8, 1949. Class 39.

Consolidated Footwear Corporation, New York, N. Y. Children's, misses', and junior misses' boots and oversshoes. 511,133, June 21; Serial No. 517,037, published Mar. 8, 1949. Class 39.
Consolidated Retail Stores, Inc., St. Louis, Mo. Shoes. 511,158, June 21; Serial No. 527,703, published Feb. 22, 1949. Class 39.
Continental Distilling Corporation, Philadelphia, Pa. Gin. 310,131, Feb. 13, 1934. Republished June 21. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Gin. 310,152, Feb. 13, 1934. Republished June 21. Class 49.
Continental Distilling Corporation, Philadelphia, Pa. Distilled potable alcoholic beverages. 511,299, June 21; Serial No. 540,780, published Mar. 8, 1949. Class 49.
Continental Products, Inc.: *See*—
Continental Tire Corporation.
Continental Sales Corporation, Indianapolis, Ind. Bath cabinets. 442,955, June 21; Serial No. 523,770, published Feb. 8, 1949. Class 44.
Continental Tire Corporation, by Continental Products, Inc., Chicago, Ill. Storage batteries. 286,142, Aug. 18, 1931. Republished June 21. Class 21.
Cooledge, F. J., & Sons, Inc., Atlanta, Ga. Calcimine. 330,315, Nov. 26, 1935. Republished June 21. Class 16.
Cooledge, F. J., & Sons, Inc., Atlanta, Ga. Varnish, ready-mixed paints, and paint enamels. 330,316, Nov. 26, 1935. Republished June 21. Class 16.
Cooper Tire & Rubber Company, Findlay, Ohio. Pneumatic tires, solid rubber tires, and inner tubes. 511,121, June 21; Serial No. 509,828, published Mar. 8, 1940. Class 35.
Cooper, Wells & Co., St. Joseph, Mich. Hosiery for women. 511,201, June 21; Serial No. 533,272, published Mar. 15, 1949. Class 39.
Copeland Refrigeration Corporation, Sidney, Ohio. Refrigerators, water coolers, condensing units. 511,244, June 21; Serial No. 537,426, published Mar. 8, 1949. Class 31.
Coro, Inc., New York, N. Y. Necklaces, bracelets, rings, earrings, etc. 511,528, June 21; Serial No. 538,010. Class 28.
Covina Citrus Association, Covina, Calif. Fresh citrus fruits. 205,767, Nov. 17, 1926. Republished June 21. Class 46.
Covina Orange Growers Association, by Covina Orange Growers Association (1936). Fresh citrous fruit. 154,783, May 9, 1922. Republished June 21. Class 46.
Covina Orange Growers Association (1936): *See*—
Covina Orange Growers Association.
Cracker Jack Co., The: *See*—
Shotwell Mfg. Co.
Crawford Manufacturing Co., Inc., Richmond, Va. Hassocks and slip covers. 511,408, June 21; Serial No. 548,241, published Feb. 22, 1949. Class 32.
Crown Luggage Co. Inc., Baltimore, Md. Luggage. 511,441, June 21; Serial No. 552,752, published Mar. 15, 1949. Class 3.
Currier Manufacturing Co., St. Paul, Minn. Letter racks, sorting trays, stationery separators, etc. 511,153, June 21; Serial No. 527,278, published Mar. 8, 1949. Class 32.
Cussins and Fearn Company, The, Columbus, Ohio. Cabinet and table model radio-receiving sets, etc. 511,423, June 21; Serial No. 540,907, published Mar. 15, 1949. Class 21.
Dannenberg, Suse B., doing business as "Suse," Los Angeles, Calif. Sweaters. 442,952, June 21; Serial No. 521,382, published Feb. 22, 1949. Class 39.
Davison Chemical Corporation, The, Baltimore, Md. Periodical. 440,454, Sept. 7, 1948. Republished June 21. Class 38.
Davieville Hosiery Mill, Daviaville, Pa. Hosiery. 442,949, June 21; Serial No. 520,864, published Jan. 20, 1948. Class 39.
Delta Brush Mfg. Corp., New York, N. Y. Paint brushes. 611,368, June 21; Serial No. 546,282, published Jan. 11, 1949. Class 29.
Denenberg, Ted, Philadelphia, Pa., assignor to Banner Shoe Accessory Co. Shoes and slippers for ladies and children. 511,300, June 21; Serial No. 540,790, published Mar. 1, 1949. Class 39.
De Pinna, A., Co., Inc., New York, N. Y. Wearing apparel for children and infants. 151,736, Feb. 14, 1922. Republished June 21. Class 39.
De Witt, E. C., & Company, by E. C. De Witt & Co., Inc., Chicago, Ill. Preparation for alleviating discomforts of excess stomach acidity and improving the appetite. 82,134, Nov. 8, 1898. Republished June 21. Class 6.
De Witt, E. C., & Co., Inc.: *See*—
De Witt, E. C., & Company.
Diadem, Inc., Leominster, Mass. Hair pins. 511,147, June 21; Serial No. 524,384, published Mar. 1, 1949. Class 40.
Diadem, Inc., Leominster, Mass. Combs. 511,439, June 21; Serial No. 552,321, published Mar. 8, 1949. Class 40.
Diadem, Inc., Leominster, Mass. Combs. 511,462, June 21; Serial No. 556,707, published Mar. 8, 1949. Class 40.
Dial, Edward L.: *See*—
Orogold Co., The.
Dickey Manufacturing Company, The, Toledo, Ohio. Venetian blinds. 511,230, June 21; Serial No. 536,770, published Mar. 8, 1949. Class 32.
Distillerie Warengham Fils (Société a Responsabilité Limitée), Lannion, France. Liqueurs. 442,916, June 21; Serial No. 503,641, published Mar. 15, 1949. Class 49.
Ditto, Incorporated, Chicago, Ill. Partially printed business forms. 511,350, June 21; Serial No. 544,065, published Feb. 8, 1949. Class 37.
Diversey Corporation, The, Chicago, Ill. Wood floor seal and finish, liquid wood floor seal, etc. 511,211, June 21; Serial No. 534,882, published Mar. 15, 1949. Class 16.
Dixon & Company, Salt Lake City, Utah. Bond paper. 511,339, June 21; Serial No. 542,821, published Mar. 8, 1949. Class 37.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 511,245, June 21; Serial No. 537,436, published Mar. 1, 1949. Class 37.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 511,301, June 21; Serial No. 547,525, published Feb. 8, 1949. Class 37.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils and penholders. 511,302, June 21; Serial No. 547,527, published Feb. 8, 1949. Class 37.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 511,393, June 21; Serial No. 547,528, published Feb. 8, 1949. Class 37.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 511,304, June 21; Serial No. 547,530, published Mar. 8, 1949. Class 37.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Pencils. 511,305, June 21; Serial No. 547,531, published Feb. 15, 1949. Class 37.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Rubber erasers. 511,306, June 21; Serial No. 547,532, published Feb. 15, 1949. Class 37.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 511,307, June 21; Serial No. 547,533, published Feb. 15, 1949. Class 37.
Dougherty Fruit Growers, Inc., Acampo, Calif. Fresh grapes. 511,196, June 21; Serial No. 532,433, published Mar. 8, 1949. Class 46.
Dressoline Manufacturing Company, Chicago, Ill. Antiseptic salve. 252,531, Feb. 12, 1929. Republished June 21. Class 6.
Drew, Saru, Inc., Newark, N. Y. Corsettes. 511,138, June 21; Serial No. 520,235, published Mar. 8, 1949. Class 39.
Drug Products Co. Inc., The, Long Island City, N. Y., to The Drug Products Co., Inc., Passaic, N. J. Pectoral syrup. 254,866, renewed Apr. 2, 1949. O. G. June 21. Class 6.
Du-Gas Fire Extinguisher Corporation, New York, N. Y., by Ansul Chemical Company, Marinette, Wis. Fire-extinguishing chemicals. 278,057, Dec. 2, 1930. Republished June 21. Class 6.
Du-Gas Fire Extinguisher Corporation, New York, N. Y., by Ansul Chemical Company, Marinette, Wis. Portable hand fire-extinguishing apparatus. 279,372, Jan. 13, 1931. Republished June 21. Class 23.
Dunsay, Alexander, Chicago, Ill. Men's dress-shirts, sport-shirts, sweaters, etc. 511,510, June 21; Serial No. 540,179. Class 39.
Duquesne Paint Company: *See*—
Lawrence, W. W., & Company.
Eagle Pencil Company, by Eagle Pencil Company, New York, N. Y. Lead pencils. 61,620, Mar. 26, 1907. Republished June 21. Class 37.
Eagle Pencil Company, New York, N. Y. Lead pencils. 298,471, Oct. 25, 1932. Republished June 21. Class 37.
Eastern States Paint and Varnish Company, Philadelphia, Pa. Protective coatings and finishes. 511,140, June 21; Serial No. 522,013, published Mar. 15, 1949. Class 16.
Eastern Tube and Tool Co., Inc., Brooklyn, N. Y. Bushed cable; flexible metallic cable or conduit and flexible non-metallic cable conduit, or tube. 511,287, June 21; Serial No. 539,504, published Mar. 15, 1949. Class 21.
Eastman Kodak Company, by Eastman Kodak Company, Rochester, N. Y. Photographic developers. 249,025, Nov. 20, 1928. Republished June 21. Class 6.
East Whittier Citrus Association, Whittier, Calif. Fresh citrus fruits. 120,671-2, Sept. 30, 1919. Republished June 21. Class 46.
East Whittier Citrus Association, Whittier, Calif. Fresh citrus fruits. 127,604, Nov. 18, 1919. Republished June 21. Class 46.
East Whittier Citrus Association, Whittier, Calif. Fresh citrus fruits. 128,229, Dec. 30, 1919. Republished June 21. Class 46.
Eaton Manufacturing Company, Cleveland, Ohio. Lock washers and screw and lock washer assemblies. 511,515, June 21; Serial No. 545,972. Class 13.
Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülheus: *See*—
Mulhens, Paul P.
Eftring, Ingeborg, doing business as Glossarförlaget I. Eftring, Motala, Sweden. Dictionaries. 511,427, June 21; Serial No. 550,148, published Mar. 1, 1949. Class 38.
Electro Manufacturing Corporation, Chicago, Ill. Electrical apparatus. 511,165, June 21; Serial No. 528,950, published Mar. 15, 1949. Class 21.
Electro Tool Corporation, Racine, Wis. Electric hair clippers. 511,248, June 21; Serial No. 537,576, published Mar. 8, 1949. Class 23.

Electromaster, Inc., Mount Clemens, Wis., assignor to Philco Corporation. Electric pail. 511,266, June 21; Serial No. 537,883, published Mar. 8, 1949. Class 21.
Electronic Measurements Corporation, New York, N. Y. Electronic measuring instruments, namely, volt-ohm-milliammeters. 442,921, June 21; Serial No. 509,642, published Dec. 23, 1947. Class 26.
El Paso Products Company: *See*—
Whittingham, John C.
Elsworth, J. & W. Co., New York, N. Y. Oysters. 511,346, June 21; Serial No. 543,581, published Mar. 1, 1949. Class 46.
Embalmers' Supply Company, Inc., The, Westport, Conn. Embalming fluid. 261,571, renewed Sept. 17, 1949. O. G. June 21. Class 6.
Empire Imports, Inc., New York, N. Y. Ladies' sports apparel. 511,235, June 21; Serial No. 537,030, published Mar. 8, 1949. Class 39.
Endicott Johnson Corporation, Endicott, N. Y., to Brown Shoe Company, Inc., St. Louis, Mo. Leather shoes with rubber inserts or cushions in the soles. 258,528, renewed July 9, 1949. O. G. June 21. Class 39.
Endo Products, Inc.: *See*—
Intravenous Products Co. of America, Inc.
Endo Products Inc., Richmond Hill, N. Y. Preparation consisting of a combination of oxidized unconjugated bile acids. 389,772, Aug. 19, 1941. Republished June 21. Class 6.
Erie Resistor Corportion, Erie, Pa. Ceramic condensers. 440,661, Sept. 14, 1948. Republished June 21. Class 21.
Erving Paper Mills, Erving, Mass. Paper napkins. 511,370, June 21; Serial No. 546,475, published Mar. 1, 1949. Class 37.
Erving Paper Mills, Erving, Mass. Paper napkins, paper towels, and toilet tissue. 511,371, June 21; Serial No. 546,476, published Mar. 1, 1949. Class 37.
Erving Paper Mills, Erving, Mass. Paper napkins. 511,372-3, June 21; Serial Nos. 546,479-80, published Mar. 1, 1949. Class 37.
Erving Paper Mills, Erving, Mass. Paper napkins, paper table covers, and paper tray covers. 511,374, June 21; Serial No. 546,487, published Mar. 1, 1949. Class 37.
Erving Paper Mills, Erving, Mass. Paper napkins. 511,375, June 21; Serial No. 546,488, published Mar. 1, 1949. Class 37.
Esbeco Distilling Corporation, Stamford, Conn. Whiskey. 511,133, June 21; Serial No. 519,062, published Mar. 8, 1949. Class 49.
Essential Chemicals Co., Milwaukee, Wis. Liquid cleaner for floors, walls, woodwork, and dishes. 439,982, Aug. 3, 1948. Republished June 21. Class 4.
Essex Rubber Company, Trenton, N. J. Rubber and composition soles and heels. 511,290, June 21; Serial No. 540,268, published Mar. 8, 1949. Class 39.
Everlast Pen Corporation, New York, N. Y. Fountain pens, ball pens, and mechanical pens. 511,270, June 21; Serial No. 538,507, published Mar. 1, 1949. Class 37.
Eversharp, Inc., Chicago, Ill. Pens and pencils. 511,347, June 21; Serial No. 543,587, published Mar. 1, 1949. Class 37.
Evinrude Motor Company, Milwaukee, Wis., to Outboard Marine and Manufacturing Company, Waukegan, Ill. Individual outboard boat motors. 256,522, renewed May 21, 1949. O. G. June 21. Class 23.
Exeter Fruit Association, Exeter, Calif. Fresh fruits. 392,984, Jan. 20, 1942. Republished June 21. Class 46.
Fair, The, Chicago, Ill. Shoes. 511,223, June 21; Serial No. 536,363, published Mar. 8, 1949. Class 39.
Fairchild Camera & Instrument Corporation, Jamaica, N. Y. Electrical illuminating fixture. 442,965, June 21; Serial No. 525,578, published Mar. 15, 1949. Class 21.
Fairy Dyes Limited, Glasgow, Scotland. Chemical dyestuffs. 442,948, June 21; Serial No. 520,501, published Mar. 8, 1949. Class 6.
Farm Bureau Cooperative Association, Inc., The, Columbus, Ohio. Insecticides and fungicides. 511,313, June 21; Serial No. 541,660, published Mar. 15, 1949. Class 6.
Farm Minerals Company, Inc., The, Indianapolis, Ind. Mineral and like additions. 511,418, June 21; Serial No. 540,428, published Feb. 22, 1949. Class 6.
Farrington Manufacturing Company, Boston, Mass. Leather and simulated leather carrying cases. 511,404, June 21; Serial No. 571,075, published Mar. 1, 1949. Class 3.
Fawcett Publications, Inc., Greenwich, Conn. Printed booklets. 442,954, June 21; Serial No. 523,159, published Mar. 8, 1949. Class 38.
Fay, H. W., Laboratories: *See*—
Fay, Howard W.
Fay, Howard W., doing business as H. W. Fay Laboratories, Palmer, Mass. Rat and mice poison. 442,914, June 21; Serial No. 498,410, published Mar. 8, 1949. Class 6.
Federal Gauge Co., The, by The Mercoid Corporation, Chicago, Ill. Lead wires for electrical connections. 244,615, July 24, 1928. Republished June 27. Class 21.
Federal Gauge Company, The, by The Mercoid Corporation, Chicago, Ill. Electric controls for electric switches. 245,664, Aug. 21, 1928. Republished June 21. Class 21.
Federal Manufacturing and Engineering Corp., Brooklyn, N. Y. Photographic equipment. 440,801, Sept. 24, 1948. Republished June 21. Class 26.
Fibre Cord Division of Kary-Safe Paper Bag Co., Inc., New York, N. Y. Ribbon made of rayon and cellophane, etc. 442,938-9, June 21; Serial Nos. 518,288-9, published Feb. 17, 1948. Class 7.
Fillmore Citrus Fruit Association, by Fillmore Lemon Association, Fillmore, Calif. Fresh citrus fruit. 199,299, June 9, 1925. Republished June 21. Class 46.
Fillmore Lemon Association: *See*—
Fillmore Citrus Fruit Association.
Film 'N File, Inc., New York, N. Y. File and classification cards. 511,422, June 21; Serial No. 549,795, published Mar. 8, 1949. Class 37.
Finch Telecommunications, Inc., Passaic, N. J. Electrosensitive facsimile recording paper. 511,424, June 21; Serial No. 549,919, published Mar. 8, 1949. Class 21.
Fine Woolen Company, Limited, London, England. Piece goods. 511,148, June 21; Serial No. 526,562, published Feb. 22, 1949. Class 42.
Fitler, Edwin H., Company, The, Philadelphia, Pa. Manila rope. 511,511, June 21; Serial No. 542,199. Class 7.
Fleer, Frank H., and Company, Philadelphia, Pa., by American Chicle Company, Long Island City, N. Y. Chewing gum. 48,005, Dec. 5, 1905. Republished June 21. Class 46.
Flintkote Company, The, New York, N. Y. Asphaltic composition roofing shinkles. 248,265, Oct. 16, 1928. Republished June 21. Class 12.
Flintkote Company, The, New York, N. Y. Asphaltic composition roofing shingles. 248,278, Oct. 16, 1928. Republished June 21. Class 12.
Flintkote Company, The, New York, N. Y. Composition roll roofing, composition shinkles and strip shinkles, waterproof roofing and building paper. 250,928, Dec. 11, 1928. Republished June 21. Class 12.
Flintkote Company, The, New York, N. Y. Asphaltic composition roofing shingles. 250,643, Dec. 11, 1928. Republished June 21. Class 12.
Flintkote Company, The, New York, N. Y. Compound for sealing of expansion or contraction joints in concrete road, street, and airport pavements. 488,254. Apr. 13, 1948. Republished June 21. Class 12.
Flocker, John, and Company, Pittsburgh, Pa. Fiber rope and twine. 511,156, June 21; Serial No. 527,617, published Feb. 22, 1949. Class 7.
Florasynth Laboratories, Inc., New York, N. Y. Synthetic and natural aromatics and essential oils for food flavoring purposes. 383,939, Jan. 25, 1938. Republished June 21. Class 46.
Fontana Citrus Association, Fontana, Calif. Fresh citrus fruits. 511,333, June 21; Serial No. 542,557, published Mar. 8, 1949. Class 46.
Food Machinery and Chemical Corporation: *See*—
Peerless Pump Company.
Ford Motor Company: *See*—
Prest-O-Lite Storage Battery Corporation.
Forecast Publishing Co., Inc., New York, N. Y. Periodical. 511,452, June 21; Serial No. 554,891, published Mar. 1, 1949. Class 38.
Forstmann & Huffmann Company, by Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 274,898, Sept. 9, 1930. Republished June 21. Class 42.
Forstmann & Huffmann Company, by Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 296,055, Aug. 16, 1932. Republished June 21. Class 42.
Forstmann Woolen Co., by Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 353,352, Jan. 4, 1938. Republished June 21. Class 42.
Forstmann Woolen Company: *See*—
Forstmann & Huffmann Company.
Forstmann Woolen Co.
Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 375,929, Mar. 5, 1940. Republished June 21. Class 42.
Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 381,736, Oct. 1, 1940. Republished June 21. Class 42.
Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 385,187, Feb. 18, 1941. Republished June 21. Class 42.
Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 393,789, Mar. 3, 1942. Republished June 21. Class 42.
Fort Smith Furniture Manufacturers' Company, Fort Smith, Ark. Furniture. 240,688, Apr. 3, 1928. Republished June 21. Class 32.
Foti, Peter, doing business as Nu-Life Cookwear, Rochester, N. Y. Stainless steel cooking utensils. 511,180, June 21; Serial No. 531,942, published Mar. 8, 1949. Class 13.
Fougera, E., & Co., Inc., New York, N. Y. Dentifrices. 260,780, renewed Aug. 27, 1949. O. G. June 21. Class 6.
Fox River Paper Co., by Fox River Paper Corporation, Appleton, Wis. Writing paper. 120,507, Feb. 19, 1918. Republished June 21. Class 37.
Fox River Paper Company, by Fox River Paper Corporation, Appleton, Wis. Writing paper. 136,805, Nov. 9, 1920. Republished June 21. Class 37.
Fox River Paper Company, by Fox River Paper Corporation, Appleton, Wis. Writing paper. 148,551, Nov. 22, 1921. Republished June 21. Class 37.
Fox River Paper Company, by Fox River Paper Corporation, Appleton, Wis. Writing paper. 154,027, Apr. 4, 1922. Republished June 21. Class 37.

Fox River Paper Company, by Fox River Paper Corporation, Appleton, Wis. Writing paper. 160,488, Oct. 24, 1922. Republished June 21. Class 37.
Fox River Paper Company, by Fox River Paper Corporation, Appleton, Wis. Writing paper. 166,943, Apr. 17, 1923. Republished June 21. Class 37.
Fox River Paper Company, by Fox River Paper Corporation, Appleton, Wis. Writing paper. 174,232, Oct. 9, 1923. Republished June 21. Class 37.
Fox River Paper Company, by Fox River Paper Corporation, Appleton, Wis. Writing paper. 175,299, Nov. 6, 1923. Republished June 21. Class 37.
Fox River Paper Company, by Fox River Paper Corporation, Appleton, Wis. Writing paper. 200,318, June 30, 1925. Republished June 21. Class 37.
Fox River Paper Company, by Fox River Paper Corporation, Appleton, Wis. Bond paper. 321,533, Feb. 5, 1935. Republished June 21. Class 37.
Fox River Paper Company, by Fox River Paper Corporation, Appleton, Wis. Writing paper. 334,811, May 12, 1936. Republished June 21. Class 37.
Fox River Paper Corporation: *See*—
Fox River Paper Co.
Fox River Paper Company.
Fox River Paper Corporation, Appleton, Wis. Bond papers, ledger paper, onion skin papers, etc. 368,484, June 20, 1939. Republished June 21. Class 37.
Frankenstein, H., Company, Los Angeles, Calif. Boys' shirts, trousers, and jackets. 511,116, June 21; Serial No. 537,468, published Mar. 1, 1949. Class 39.
Freydberg, G., H. & E., Inc., New York, N. Y. Ruffings and ruchings. 511,433, June 21; Serial No. 551,096, published Mar. 1, 1949. Class 40.
Friedman-Lobel, Inc., New York, N. Y. Ladies' and girls' handbags, and purses. 511,482, June 21; Serial No. 559,098, published Mar. 8, 1949. Class 3.
Friedman-Lobel, Inc., New York, N. Y. Ladies' and girls' handbags and purses. 511,485, June 21; Serial No. 559,507, published Feb. 1, 1949. Class 3.
Friedrich, Ed, Inc., San Antonio, Tex. Compressors for freezing liquids. 353,085, Dec. 28, 1937. Republished June 21. Classes 23 and 31.
Gantner & Mattern Company, San Francisco, Calif. Swim suits, coats, jackets, etc. 442,926, June 21; Serial No. 513,044, published Mar. 1, 1949. Class 39.
Gantner & Mattern Company, San Francisco, Calif. Swim suits, play suits, sun suits, etc. 511,171, June 21; Serial No. 529,762, published Mar. 8, 1949. Class 39.
Garry Laboratories, Inc., Buffalo, N. Y. Preparation to be used as an additive. 511,358, June 21; Serial No. 545,472, published Aug. 3, 1948. Class 6.
Gaylord Products, Incorporated: *See*—
Hump Hairpin Mfg. Co., The.
General Foods Corporation: *See*—
Bireley, Frank W.
General Machine Company, Milwaukee, Wis. Golf clubs. 439,854, July 27, 1948. Republished June 21. Class 22.
General Machine Company, Inc., Emmaus, Pa. Food freezer and frozen food storage cabinets. 511,151, June 21; Serial No. 527,017, published June 1, 1948. Class 31.
General Mills, Inc., Minneapolis, Minn. Wheat flour and breakfast cereals. 311,383, Mar. 20, 1934. Republished June 21. Class 46.
General Phoenix Corporation, New York, N. Y. Radio receiving sets and combination phonographs and radio receiving sets. 511,320, June 21; Serial No. 542,110, published Mar. 15, 1949. Class 21.
Gibberman Bros. & Co., Chicago, Ill. Men's and boys' coats, vests, trousers, and overcoats. 287,181, Sept. 15, 1931. Republished June 21. Class 39.
Gladstone Bros., New York, N. Y. Boys' suits, top coats, overcoats, etc. 511,285, June 21; Serial No. 539,410, published Mar. 8, 1949. Class 39.
Glam-R-Girl Cosmetic Co., Chicago, Ill. Shampoo, rinse for hair, rinse for clothes, lipstick, rouge, face powder, etc. 442,917, June 21; Serial No. 503,897, published Nov. 4, 1947. Class 6.
Glascock Brothers Mfg. Co., Muncie, Ind. Dispensing coolers. 306,811, Sept. 26, 1933. Republished June 21. Class 31.
Glassine & Greaseproof Manufacturers' Association, The, New York, N. Y. Glassine paper. 511,496, June 21; Serial No. 537,172, published Mar. 8, 1949. Class 37.
Glendinning, McLeish & Co. Inc., New York, N. Y. Handkerchiefs. 511,448, June 21; Serial No. 554,308, published Mar. 8, 1949. Class 39.
Glendora Citrus Association, Glendora, Calif. Fresh citrus fruits. 205,757, Nov. 17, 1925. Republished June 21. Class 46.
Globe Beverage Co.: *See*—
Grassini, Frank L.
Globe Laboratories, Fort Worth, Tex. Clear refined anti-hog-cholera serum, anti-hog-cholera serum, hog-cholera virus, etc. 172,680, Sept. 11, 1923. Republished June 21. Class 6.
Glo-Rite Chemical Company, New York, N. Y. Laundry bleach solution. 442,906, June 21; Serial No. 484,838, published Dec. 17, 1946. Class 6.
Glosarforlaget I. Eftring: *See*—
Eftring, Ingeborg.
Golden State Packing Corporation, Long Beach, Calif., assignee of R. O. Gruwell, Jr., doing business as Golden State Sea Foods Co. Canned mackerel. 511,113, June 21; Serial No. 469,676, published Feb. 22, 1949. Class 46.
Golden State Sea Foods: *See*—
Golden State Packing Corporation.
Goldman, Wm. P., & Bros. Inc., by Wm. P. Goldman & Bros. Inc. (1931), New York, N. Y. Men's and youths' suits and overcoats. 131,124, May 4, 1920. Republished June 21. Class 39.
Goldman, Wm. P., & Bros., Inc., New York, N. Y. Men's and women's coats, suits and dresses. 334,535, May 5, 1936. Republished June 21. Class 39.
Goldman, Wm. P., & Bros., Inc., New York, N. Y. Men's suits and coats. 363,408, Dec. 27, 1938. Republished June 21. Class 39.
Goldman, Wm. P., & Bros., Inc., New York, N. Y. Men's suits, sport coats, slacks, etc. 430,642, June 17, 1947. Republished June 21. Class 39.
Goldman, Wm. P., & Bros. Inc. (1931): *See*—
Goldman, Wm. P., & Bros. Inc.
Goldsmith, Louis, Inc., Philadelphia, Pa. Men's and boys' suits, coats, vests, etc. 511,321, June 21; Serial No. 542,114, published Mar. 8, 1949. Class 39.
Goldsmith, Louis, Inc., Philadelphia, Pa. Men's and boys' suits, coats, vests, etc. 511,322, June 21; Serial No. 542,115, published Mar. 8, 1949. Class 39.
Goodall-Sanford, Inc., Sanford, Maine. Fabrics. 511,489, June 21; Serial No. 561,823, published Feb. 8, 1949. Class 42.
Good Luck Glove Company, Carbondale, Ill. Work gloves. 511,107, June 21; Serial No. 529,027, published Mar. 15, 1949. Class 30.
Goodrich, B. F. Company, The, New York, N. Y., and Akron, Ohio. Footwear. 442,928, June 21; Serial No. 514,814, published Mar. 1, 1949. Class 39.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Belting. 97,840, June 23, 1914. Republished June 21. Class 35.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber floor coverings. 511,162, June 21; Serial No. 528,448 published Feb. 1, 1949. Class 26.
Gordon-O'Neill Company, Jersey City, N. J. Apple brandy. 511,217, June 21; Serial No. 535,609, published Feb. 1, 1949. Class 49.
Gotham Hosiery Company, Inc.: *See*—
Gotham Silk Hosiery Company, Inc.
Gotham Silk Hosiery Company, Inc., by Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 197,024, Apr. 7, 1925. Republished June 21. Class 39.
Gotham Silk Hosiery Company, Inc., by Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 287,271, Sept. 16, 1931. Republished June 21. Class 39.
Gotham Silk Hosiery Company, Inc. by Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 388,095, June 10, 1941. Republished June 21. Class 39.
Grand Rapids Paint and Enamel Company, Grand Rapids, Mich. Paste and ready-mixed paints, paint enamels, varnishes, etc. 255,844, renewed Apr. 30, 1940. O. G. June 21. Class 16.
Granite City Steel Company, Granite City, Ill. Corrugated steel sheet roofing and siding. 511,527, June 21; Serial No. 550,439. Class 12.
Grassini, Frank L., doing business as Globe Beverage Co., by Peter Salotti, doing business as Globe Beverage Co., Chicago, Ill. Non-alcoholic maltless beverage. 182,593, Apr. 15, 1924. Republished June 21. Class 45.
Great American Tea Company, The, New York, N. Y. Canned evaporated milk, peas, green beans, etc. 511,306, June 21; Serial No. 541,136, published Mar. 8, 1949. Class 46.
Great American Tea Company, The, New York, N. Y. Pancake syrup, spagbetti sauce, self-rising pancake flour and cookies. 511,307, June 21; Serial No. 541,137, published Mar. 8, 1949. Class 46.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Breakfast cereals. 511,272, June 21; Serial No. 538,632, published Mar. 1, 1949. Class 46.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Swiss cheese. 511,330, June 21; Serial No. 542,465, published Mar. 8, 1949. Class 46.
Greene, Tweed & Co., North Wales, Pa. Non-hardening plastic sealing compounds. 511,271, June 21; Serial No. 538,531, published Mar. 8, 1949. Class 12.
Gregory, Morton, Corporation: *See*—
Nelson Specialty Welding Equipment Corporation.
Griesedieck Bros. Brewery Company, St. Louis, Mo. Bottled beer. 308,329, Nov. 28, 1933. Republished June 21. Class 48.
Griffin, H. H., doing business as Griffin Manufacturing Company, Portland, Oreg. Furniture polish. 511,378, June 21; Serial No. 546,992, published Mar. 15, 1949. Class 16.
Griffin Manufacturing Company: *See*—
Griffin, H. H.
Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Preparation in liquid cream and paste form for cleaning and polishing shoes. 511,535, June 21; Serial No. 547,338, published Mar. 15, 1949. Class 4.
Grossman, A., New York, N. Y. Envelopes for greeting cards. 442,925, June 21; Serial No. 511,147, published Feb. 8, 1949. Class 37.

Grossman Clothing Co., New York, N. Y. Men's suits, overcoats, topcoats, and trousers. 511,281–2, June 21; Serial Nos. 536,777–8, published Mar. 1, 1949. Class 39.
Groveton Paper Company Inc., by Groveton Papers Company, Groveton, N. H. Paper. 146,241, Sept. 6, 1921. Republished June 21. Class 37.
Groveton Papers Company: *See*—
Groveton Paper Company Inc.
Grumbacher, M., Inc., New York, N. Y. Artists' brushes. 511,369, June 21; Serial No. 546,202, published June 4, 1949. Class 29.
Gruwell, Robert O., Jr., assignee: *See*—
Golden State Packing Corporation.
Gumpert, S., Co., Inc., Ozone Park, N. Y. Pies. 265,408, Dec. 24, 1929. Republished June 21. Class 46.
Gunther Brewing Company, Inc., Baltimore, Md. Beer. 511,281, June 21; Serial No. 539,155, published Mar. 8, 1949. Class 48.
Habicht, Braun & Co., to Braun Importing Co., Inc., New York, N. Y. Canned fish. 260,233, renewed Aug. 20, 1949. O. G. June 21. Class 46.
Hagaman, Charles B., doing business as Medi-Phragm Products, Arvada, Colo. Antiseptic vaginal jelly. 381,872, Oct. 15, 1940. Republished June 21. Class 6.
Hairnet Corporation of America, New York, N. Y. Hair nets. 511,436, June 21; Serial No. 551,891, published Mar. 1, 1949. Class 39.
Haley Canning Company: *See*—
Haley, L. B.
Haley, L. B., doing business as Haley Canning Company, to Haley Canning Company, Hillsboro, Oreg. Beef broth, chicken and noodles, pot roast beef, etc. 370,651, Aug. 29, 1939. New certificate. O. G. June 21. Class 46.
Hallicrafters Co., The, Chicago, Ill. Radio receiving sets. 511,355, June 21; Serial No. 544,729, published Mar. 15, 1949. Class 21.
Hallmark Shirt Co., Inc., The, New York, N. Y. Men's and boys' outer shirts and pajamas. 442,964, June 21; Serial No. 525,827, published Mar. 1, 1949. Class 39.
Hallmark Shirt Co., Inc., The, New York, N. Y. Men's and boys' outer shirts and pajamas. 442,965, June 21; Serial No. 625,831, published Mar. 1, 1949. Class 39.
Halpern, J., Company, Pittsburgh, Pa. Dress-up masquerade costumes. 511,334, June 21; Serial No. 542,570, published Mar. 8, 1949. Class 39.
Hamilton Candy Company: *See*—
Hamilton, John D.
Hamilton, John D., doing business as Hamilton Candy Company, Tacoma, Wash. Candy bars. 511,518, June 21; Serial No. 550,473. Class 46.
Hammer Company, The, Cleveland, Ohio. Port, sherry, and muscatel wines. 511,390, June 21; Serial No. 547,449, published Mar. 15, 1949. Class 47.
Hanes, P. H., Knitting Company, Winston-Salem, N. C. Knit and woven underwear for men, women, and children, and children's sleepers. 511,239, June 21; Serial No. 537,184, published Feb. 22, 1949. Class 39.
Hanes, P. H., Knitting Company, Winston-Salem, N. C. Knit and woven underwear for men, women, and children, and children's sleepers. 511,240, June 21; Serial No. 537,186, published Feb. 22, 1949. Class 39.
Hansen Glove Corporation, Milwaukee, Wis. Ladies' knit wool gloves and mittens. 511,520–1, June 21; Serial Nos. 553,105–6. Class 39.
Harvard Clothing Co., Inc., Boston, Mass. Men's coats, overcoats, topcoats, and raincoats. 511,297, June 21; Serial No. 540,412, published Mar. 1, 1949. Class 39.
Harwick, Curtis J.: *See*—
Harwick Standard Chemical Company.
Harwick Standard Chemical Company, Akron, Ohio, assignee of C. J. Harwick, doing business as Standard Chemical Company. Coloring pigment dispersed in a soluble base. 511,127, June 21; Serial No. 513,885, published Mar. 8, 1949. Class 6.
Hawaiian Pineapple Company, Ltd., San Francisco, Calif., and Honolulu, Territory of Hawaii. Citric acid. 511,246, June 21; Serial No. 537,454, published Mar. 8, 1949. Class 6.
Haseltine Electronics Corporation, New York and Little Neck, N. Y. Radio transmitters, radio receivers, electrical oscillators, etc. 511,114, June 21; Serial No. 489,462, published Mar. 8, 1949. Class 21.
Hearst Corporation, The: *See*—
Central Press Association, Inc.
King Features Syndicate, Inc.
Hearst Corporation, The, New York, N. Y. Newspaper section or department. 409,574, Oct. 10, 1944. Republished June 21. Class 38.
Hearst Corporation, The, New York, N. Y. Newspaper section or department. 410,777, Dec. 19, 1944. Republished June 21. Class 38.
Hearst Corporation, The, New York, N. Y. Newspaper section or department. 411,827, Feb. 6, 1945. Republished June 21. Class 38.
Hearst Corporation, The, New York, N. Y. Newspaper cartoon strip. 413,440, Apr. 24, 1945. Republished June 21. Class 38.
Heather Handkerchief Works Inc., New York, N. Y., to Heather Handkerchief Works, Inc., Jersey City, N. J. Handkerchiefs. 255,877, renewed Apr. 30, 1940. O. G. June 21. Class 39.
Heidelbauer, Eugene, Chicago, Ill. Empty metal containers in the nature of buckets. 511,183, June 21; Serial No. 528,475, published Mar. 22, 1949. Class 2.
Hell Process Equipment Corp., Cleveland, Ohio. Protective and corrosion-resistant coatings and linings. 511,312, June 21; Serial No. 541,541, published Mar. 15, 1949. Class 16.
Hellbrun, Leo, Co., Inc., New York, N. Y. Watchstraps and watch bracelets. 511,506, June 21; Serial No. 531,795. Class 28.
Heller, B., & Company: *See*—
Heller, B., & Co.
Heller, B., and Company.
Heller, B., & Co. by B. Heller & Company, Chicago, Ill. Seasonings for meat, flavors for food, flavoring extracts for food, and cocoa. 106,938, Apr. 25, 1916. Republished June 21. Class 46.
Heller, B., & Co. by B. Heller & Company, Chicago, Ill. Rat or mice poison, bed-bug destroyer, and roach-destroyer. 111,727, Aug. 1, 1916. Republished June 21. Class 6.
Heller, B., & Company by B. Heller & Company, Chicago, Ill. Insecticide. 122,475, Aug. 20, 1918. Republished June 21. Class 6.
Heller, B., and Company by B. Heller & Company, Chicago, Ill. Soluble and powdered stabilising agent. 134,375, Aug. 31, 1920. Republished June 21. Class 46.
Heller, B., & Company, Chicago, Ill. Food flavorings and spices. 171,334, Aug. 7, 1923. Republished June 21. Class 46.
Heller, B., & Company, Chicago, Ill. Chemical preparation. 172,347, Aug. 28, 1923. Republished June 21. Class 6.
Heller, B., & Company, Chicago, Ill. Insecticides, meat-curing preparations and compounds, food colors, etc. 182,819, Apr. 15, 1924. Republished June 21. Classes 6 and 46.
Heller B., & Company, Chicago, Ill. Dry powder preparation used in making pies, absorbing and holding the fruit juices and flavor thereof. 188,263, Aug. 19, 1924. Republished June 21. Class 46.
Heller, B., & Company, Chicago, Ill. Preparation used to increase the viscosity or thickness and to improve malted milk and other food beverages. 188,319, Aug. 26, 1924. Republished June 21. Class 46.
Heller, B., & Company, Chicago, Ill. Chemical preparation. 189,403, Sept. 16, 1924. Republished June 21. Class 6.
Heller, B., & Company, Chicago, Ill. Food colors. 193,520, Dec. 30, 1924. Republished June 21. Class 6.
Heller, B., & Company, Chicago, Ill. Cleansing, washing, and scouring preparation. 193,789, Jan. 6, 1925. Republished June 21. Class 4.
Heller, B., & Company, Chicago, Ill. Washing powder. 200,674, July 7, 1925. Republished June 21. Class 4.
Heller, B., & Company, Chicago, Ill. Insecticides, meat-curing preparations and compounds, food colors, etc. 229,125, June 21, 1927. Republished June 21. Classes 6 and 46.
Heller, B., & Company, Chicago, Ill. Flavoring compound. 238,985, Feb. 21, 1928. Republished June 21. Class 46.
Heller, B., & Company, Cbicago, Ill. Dessert powders, ice cream powders, cocoa, etc. 243,969, July 3, 1928. Republished June 21. Class 46.
Heller B., & Company, Chicago, Ill. Prepared cocoa. 332,635, Feb. 18, 1936. Republished June 21. Class 46.
Heller, B., & Company, Chicago, Ill. Concentrated liquid laundry bluing. 334,691, May 12, 1936. Republished June 21. Class 6.
Heller, B., & Company, Chicago, Ill. Fruit flavored powdered concentrate. 354,066, Feb. 1, 1938. Republished June 21. Class 46.
Heller, B., & Company, Chicago, Ill. Base for making a chocolate flavored dairy drink. 365,079, Feb. 21, 1939. Republished June 21. Class 46.
Heller, B., & Company, Chicago, Ill. Chemical preparation for use in curing meat. 386,263, Apr. 1, 1941. Republished June 21. Class 6.
Heller, B., & Company, Chicago, Ill. Insecticide preparation. 424,220, Sept. 24, 1946. Republished June 21. Class 6.
Hercules Powder Company, Wilmington, Del. Magazine (periodical). 511,483, June 21; Serial No. 556,719, published Mar. 8, 1949. Class 38.
Herrmann & Jacobs Corp.: *See*—
Herrmann & Jacobs, Inc.
Herrmann & Jacobs, Inc., by Herrman & Jacobs Corp., New York, N. Y. Linen tablecloths, linen napkins, cotton tablecloths, etc. 377,636, May 7, 1940. Republished June 21. Class 42.
Hickey-Freeman Company, Rochester, N. Y. Men's topcoats and overcoats. 252,191, renewed Jan. 29, 1949. O. G. June 21. Class 39.
Hickey-Freeman Company, Rochester, N. Y. Men's suits. 252,192, renewed Jan. 29, 1949. O. G. June 21. Class 39.
Hickey-Freeman Company, Rochester, N. Y. Men's overcoats and topcoats. 252,193, renewed Jan. 29, 1949. O. G. June 21. Class 39.
Hickey-Freeman Company, Rochester, N. Y. Men's topcoats and overcoats. 252,281, renewed Jan. 29, 1949. O. G. June 21. Class 39.
Hickey-Freeman Company, Rochester, N. Y. Sack suits, sport suits, golf suits, etc. 511,277, June 21; Serial No. 538,916, published Mar. 1, 1949. Class 39.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Buckles, belts, and slides. 511,398, June 21; Serial No. 547,549, published Mar. 8, 1949. Class 40.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Braces, garters, and apparel belts. 511,414, June 21; Serial No. 549,246, published Mar. 1, 1949. Class 39.

Higgins Industries, Inc., New Orleans, La. Light gauge non-carbon steel porcelain materials. 434,666, Dec. 2, 1947. Republished June 21. Class 12.

High Voltage Engineering Corporation, Cambridge, Mass. Electrostatic generators. 511,426, June 21; Serial No. 550,043, published Mar. 15, 1949. Class 21.

Hill, Thomson & Co. Limited, Edinburgh, Scotland. Blended Scotch whisky. 511,381, June 21; Serial No. 547,118, published Feb. 8, 1949. Class 49.

Hill, Thomson & Co. Limited, Edinburgh, Scotland. Gin. 511,382, June 21; Serial No. 547,119, published Mar. 15, 1949. Class 49.

Hill, Thomson, & Co. Limited, Edinburgh, Scotland. Blended scotch whisky. 511,383, June 21; Serial No. 547,120, published Feb. 8, 1949. Class 49.

Hillman Periodicals, Inc., New York, N. Y. Magazine or periodical published monthly. 511,420, June 21; Serial No. 549,544, published Mar. 8, 1949. Class 38.

Hollingsworth & Whitney Company, Boston, Mass. Waxed or plain paper. 511,399, June 21; Serial No. 547,552, published Mar. 8, 1949. Class 37.

Hollingsworth & Whitney Company, Boston, Mass. Oiled or plain paper. 511,400, June 21; Serial No. 547,553, published Mar. 8, 1949. Class 37.

Home Brewing Company, Inc., doing business as Climax Beverage Company, Richmond, Va. Malticse soft drinks and carbonated waters. 511,164, June 21; Serial No. 528,794, published Feb. 22, 1949. Class 45.

Horst, E. Clemens, Co., San Francisco, Calif. Oil of hops. 442,902, June 21; Serial No. 525,329, published Mar. 1, 1949. Class 48.

Hospital Specialty Company, The, Cleveland, Ohio. Sanitary napkins. 511,454, June 21; Serial No. 555,099, published Feb. 22, 1949. Class 44.

"Host Post" Company, The: *See*—
Williams, Arthur K.

House Beautiful Curtains, Inc., New York, N. Y. Shower curtains. 442,933, June 21; Serial No. 516,284, published Feb. 8, 1949. Class 42.

Hudson, J. L., Company, The, Detroit, Mich. Men's suits, topcoats, and overcoats. 511,262, June 21; Serial No. 538,139, published Mar. 1, 1949. Class 39.

Hudson, J. L., Company, The, Detroit, Mich. Women's and children's clothing. 511,525, June 21; Serial No. 554,117. Class 39.

Hughes-Keenan Company, The, Mansfield, Ohio. Swinging or fixed boom mobile cranes. 511,214, June 21; Serial No. 535,037, published Mar. 1, 1949. Class 23.

Huiskamp Bros. Co., Keokuk, Iowa. Shoes. 442,024, June 21; Serial No. 511,392, published Mar. 15, 1949. Class 39.

Hump Hairpin Mfg. Co., The, to Gaylord Products, Incorporated, Chicago, Ill. Hairpins. 253,603–5, renewed Mar. 5, 1949. O. G. June 21. Class 40.

Ideal Industries, Inc., Sycamore, Ill. Pneumatic tools. 431,618, July 29, 1947. Republished June 21. Class 23.

Ideal Industries, Inc., Sycamore, Ill. Abrasive resurfacer stones. 432,605, Sept. 9, 1047. Republished June 21. Class 4.

Idol Inc.: *See*—
Carson, Albert.

Idol Knitting Co.: *See*—
Carson, Albert.

Indianapolis Glove Company, Indianapolis, Ind. Rubber coated fabric work gloves. 511,228, June 21; Serial No. 536,613, published Mar. 1, 1949. Class 39.

Inland Steel Company, Chicago, Ill. Metal railway spikes. 511,254, June 21; Serial No. 537,800, published Mar. 8, 1949. Class 13.

Interchemical Corporation, New York, N. Y. Ready-mixed and priming paints, paint enamels, varnishes, etc. 442,950, June 21; Serial No. 520,948, published Mar. 15, 1949. Class 16.

Interlock Corporation, Newark, N. J. Hooks, hitches, and clamps. 511,327, June 21; Serial No. 542,319, published Mar. 8, 1949. Class 13.

International Braid Company, Providence, R. I., assignor, by mesne assignments, to International Braid Corp., Fall River, Mass. Braids and woven tapes, narrow webbings and narrow laces. 511,205, June 21; Serial No. 533,899, published Mar. 8, 1949. Class 40.

International Braid Corp.: *See*—
International Braid Company.

International Products Company: *See*—
Bohemian Distributing Company.

Interstate Packing Company, Winona, Minn., to Swift & Company, Chicago, Ill. Hog feed. 254,719, renewed Mar. 26, 1949. O. G. June 21. Class 46.

Intravenous Products Co. of America, Inc., New York, by Endo Products, Inc., Richmond Hill, N. Y. General tonic builder. 266,369, Jan. 14, 1930. Republished June 21. Class 6.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 252,678, renewed Feb. 12, 1949. O. G. June 21. Class 34.

Irresistible, Inc.: *See*—
Joubert Cie., Inc.

Isgo Wall Paper Corporation, Chicago, Ill. Paste suitable for use with wall paper and like products. 422,467, July 23, 1946. Republished June 21. Class 5.

Ivanhoe Foods, Inc., Auburn, N. Y. Mayonnaise, salad dressing, sandwich spreads and chili sauce. 439,561, July 6, 1945. Republished June 21. Class 46.

Izod, A. J., Limited, London, England. Outer vests and negligee and sport shirts. 245,045, renewed Aug. 7, 1948. O. G. June 21. Class 39.

Jacobs Brothers, Incorporated, Baltimore, Md. Nurses' uniforms and women's, children's and misses' dresses and aprons. 246,638, Sept. 11, 1928. Republished June 21. Class 39.

Jacobs Sports Magazines, Inc., Clinton, S. C., assignor to Sports-Week, Inc., New York, N. Y. Monthly magazine. 511,118, June 21; Serial No. 508,082, published Mar. 8, 1949. Class 38.

Janitors Supply House, Incorporated, Baltimore, Md. Floor waxes, polishes, and oils. 511,403, June 21; Serial No. 547,995, published Mar. 15, 1949. Class 16.

Jardine, Inc.: *See*—
Jardine Liquor Corporation.

Jardine Liquor Corporation, New York, assignor to Jardine, Inc., Maspeth, N. Y. Rum. 511,216, June 21; Serial No. 535,532, published Feb. 22, 1949. Class 49.

Jardine Liquor Corporation, assignor to Jardine, Inc., Maspeth, N. Y. Rum. 511,309, June 21; Serial No. 541,306, published Feb. 22, 1949. Class 49.

Jewell Extract Co., Inc., Pittsburgh, Pa. Non-cereal, malticse beverages. 511,117, June 21; Serial No. 508,046, published July 27, 1948. Class 45.

Joanna Western Mills Company, Chicago, Ill. Window shades. 511,233, June 21; Serial No. 536,793, published Mar. 8, 1949. Class 32.

Johansen Brothers Shoe Company, Inc., St. Louis, Mo. Shoes. 511,220, June 21; Serial No. 536,092, published Mar. 1, 1949. Class 39.

Johnson, Albin, doing business as Johnson Industries, Greenville, Mich. Combination walking sticks and seats. 511,437, June 21; Serial No. 551,978, published Mar. 8, 1949. Class 41.

Johnson Company, The, Marshfield, Wis. Wool shirts and wool jackets. 511,282, June 21; Serial No. 539,171, published Mar. 1, 1949. Class 39.

Johnson, Harold L., Chicago, Ill. Metal or wood Venetian blind type of awnings. 511,500, June 21; Serial No. 502,097. Class 12.

Johnson Industries: *See*—
Johnson, Albin.

Johnson & Johnson, New Brunswick, N. J. Adhesive medical plasters. 511,472, June 21; Serial No. 557,929, published Mar. 15, 1949. Class 44.

Johnson, Stephens, and Shinkle Shoe Company, St. Louis, Mo. Shoes. 511,155, June 21; Serial No. 527,343, published Feb. 22, 1949. Class 39.

Joubert Cie., Inc., to Irresistible, Inc., New York, N. Y. Face and talcum powders, rouge, lip stick, etc. 260,283, renewed Aug. 20, 1940. O. G. June 21. Class 0.

Joyner, V. W., & Company, Incorporated, Smithfield, Va. Cured pork shoulders, cured pork sides, and smoked pork jowls. 254,577, renewed Mar. 26, 1940. O. G. June 21. Class 46.

K & S Corset Manufacturing Co., Inc., New York, N. Y. Foundation garments. 511,526, June 21; Serial No. 555,678. Class 39.

Kalech, Phil, Inc., Chicago, Ill. Liquid pharmaceutical. 511,484, June 21; Serial No. 559,229, published Mar. 8, 1949. Class 6.

Kaplan, Rose R., assignor: *See*—
Ronny Manufacturing Co.

Kaplan, Sam J., assignor: *See*—
Ronny Manufacturing Co.

Karpen, S., & Bros., Chicago, Ill. Davenports, sofas, love seats, etc. 511,324, June 21; Serial No. 542,209, published Mar. 1, 1949. Class 32.

Karpen, S., & Bros., Lexington, Ky. Furniture. 511,325, June 21; Serial No. 542,215, published Mar. 1, 1949. Class 32.

Kay, Ruth, Dress Company, Inc., Jackson and McComb, Miss. Dresses. 511,501, June 21; Serial No. 500,669. Class 39.

Kellner, Jack, Company, Philadelphia, Pa. Jewelry. 442,936, June 21; Serial No. 517,139, published Aug. 31, 1948. Class 28.

Kent Manufacturing Company, The, Clifton Heights, Pa. Serges, flannels, meltons, etc. 129,480, Feb. 24, 1920. Republished June 21. Class 42.

Kent Manufacturing Company, The, Clifton Heights, Pa. Woolen piece goods. 312,441, Apr. 24, 1934. Republished June 21. Class 42.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Cartoon strip. 285,410, July 28, 1931. Republished June 21. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Cartoons. 318,691, Oct. 30, 1934. Republished June 21. Class 38.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Newspaper cartoons. 331,709, Jan. 21, 1936. Republished June 21. Class 38.

Kingsboro Silk Mills, Inc., Daisy, Tenn., and Gloversville, N. Y. Women's and children's underwear, pajamas, nightgowns, and men's undershirts and shorts. 511,411, June 21; Serial No. 548,656, published Mar. 1, 1949. Class 39.

Kirby, Beard & Co. Ltd., Birmingham, England. Hairpins. 511,449, June 21; Serial No. 554,500, published Jan. 18, 1949. Class 40.

Kirby, Beard & Co. Ltd., Birmingham, England. Pins of non-precious metal. 511,455, June 21; Serial No. 555,109, published Mar. 8, 1949. Class 40.

Kirby, Beard & Co. Ltd., Birmingham, England. Pins and hairpins of non-precious metal, etc. 511,458, June 21; Serial No. 555,757, published Mar. 8, 1949. Class 40.

Kitchen Craft Foods Corporation, Brooklyn, N. Y. Syrup flavor bases and fruit acid solutions, etc. 511,405, June 21; Serial No. 548,085, published Feb. 1, 1949. Class 45.

Kleinert, I. B., Rubber Company, Inc., New York, N. Y. Narrow elastic fabric. 440,226, Aug. 17, 1948. Republished June 21. Class 40.

Kmets, George H., doing business as Carnation Bakery and Carnation Pastry Shoppe, East Chicago, Ind. Bread, cake, cookies, etc. 364,237, Jan. 24, 1939. Republished June 21. Class 46.

Kopke, C. N., & Co. Limited, London, England. Port wine. 304,908, July 25, 1933. Republished June 21. Class 47.

Kopke, C. N., & Co. Limited, London, England. Port wine. 306,119, Sept. 5, 1933. Republished June 21. Class 47.

Kutiak, Dr. A., Erzeugung chem. pharm. Praparate und Petrusapotheke: *See*—
Petrusapotheke, Dr. August K.

L C N Closers, Inc.: *See*—
Norton Lasier Company.

Laboratorios Argentinos Anurcy, S. A., Buenos Aires, Argentina. Hand lotion, face lotion, shaving lotion, etc. 442,909, June 21; Serial No. 478,426. Class 6.

Laboratorios de Productos de Belleza, Irenne Darle S. A., Havana, Cuba, assignor to Rejane, Inc., New York. N. Y. Perfume, perfume bases extracted from flowers, etc. 442,946, June 21; Serial No. 520,283, published July 27, 1948. Class 6.

Lactona Incorporated, St. Paul, Minn. Hair brushes. 511,335–6, June 21; Serial Nos. 542,595–6, published Jan. 4, 1949. Class 29.

Laher Spring and Tice Corporation, Oakland, Calif. Automobile batteries. 511,283, June 21; Serial No. 539,178, published Sept. 7, 1948. Class 21.

Lamm Brothers, Inc., Baltimore, Md. Men's and women's slacks, shorts, sport coats, etc. 511,328, June 21; Serial No. 542,420, published Mar. 15, 1949. Class 39.

Lane Bryant Inc., New York, N. Y. Footwear. 511,531, June 21; Serial No. 571,594. Class 39.

Lane Publishing Co., San Francisco, Calif. Monthly magazine. 511,453, June 21; Serial No. 554,985, published Mar. 1, 1949. Class 38.

La Verne Orange Association, La Verne, Calif. Fresh citrus fruits. 230,072, July 12, 1927. Republished June 21. Class 46.

Lawrence, W. W., & Company, Pittsburgh, Pa. Paints, varnishes, paint enamels, etc. 511,274, June 21; Serial No. 538,772, published Mar. 15, 1949. Class 16.

Lawrence, W. W., & Company, doing business as Duquesne Paint Company, Pittsburgh, Pa. Paints, varnishes, lacquers, etc. 511,275, June 21; Serial No. 538,781, published Mar. 15, 1949. Class 16.

Lawrence, W. W., & Company, Pittsburgh, Pa. Wood stains and paints. 511,276, June 21; Serial No. 538,791, published Mar. 15, 1949. Class 16.

Lebanon Steel Foundry, Lebanon, Pa. Iron and steel. 261,563, renewed Sept. 17, 1940. O. G. June 21. Class 14.

Lehn & Fink Products Corporation, Bloomfield, N. J. Toilet or dressing cases, overnight bags, and fitted hand baggage. 511,474, June 21; Serial No. 558,148, published Mar. 8, 1949. Class 3.

Leona Undergarment Co., Inc., New York, N. Y. Ladies' slips, nightgowns, pajamas, etc. 511,384, June 21; Serial No. 547,132, published Mar. 15, 1949. Class 39.

Léonidas Watch Factory Ltd.: *See*—
Léonidas Watch Factory Vve. Constant Jeanneret-Dros.

Léonidas Watch Factory Vve. Constant Jeanneret-Dros. by Leonidas Watch Factory Ltd., St. Imier, Switzerland. Watches and parts of watches. 228,196, Apr. 5, 1927. Republished June 21. Class 27.

Leverette, Walter H., doing business as Orchard Park Farms, Medford, Oreg. Fresh deciduous fruits and canned fruits. 511,146, June 21; Serial No. 524,139, published Mar. 1, 1949. Class 46.

Levinson, Armand L., Baltimore, Md. Money clips, necktie clasps, ornamental clips, etc. 511,506, June 21; Serial No. 583,328. Class 28.

Liberty & Co., Limited, London, England. Silk piece goods. 511,468, June 21; Serial No. 557,049, published Feb. 15, 1949. Class 42.

Lido Luggage Co., Inc., New York, N. Y. Luggage. 300,925, Feb. 14, 1933. Republished June 21. Class 3.

Lincoln Electric Company, The, Cleveland, Ohio. Electric motors. 511,310, June 21; Serial No. 541,209, published Mar. 8, 1949. Class 21.

Lindsay Bros. Olive Company, Lindsay, Calif. Green olives. 511,351, June 21; Serial No. 557,710, published Mar. 8, 1949. Class 46.

Lindsay Ripe Olive Company, Lindsay, Calif. Olive oil. 511,352, June 21; Serial No. 557,712, published Mar. 8, 1949. Class 46.

Lingerie Boudoir Manufacturing: *See*—
Speeder Machinery Corporation.

823 O. G.—6

Lippard, Herman L, doing business as Rapitag Needle Company, Philadelphia, Pa., to H. L Lippard, doing business as Rapitag Needle Company, Charlotte, N. C. Needles. 251,307, renewed Jan. 1, 1949. O. G. June 21. Class 40.

London Knitting Company: *See*—
Becker, Alexander.

Looseleaf Education, Inc., by American Education Press, Inc., Columbus, Ohio. Title of a weekly publication. 258,834, July 16, 1929. Republished June 21. Class 38.

Losee Products Company, Hebron, Ill. Combination electric fan and electric space heater. 511,163, June 21; Serial No. 529,069, published Dec. 14, 1948. Class 21.

Louisiana Drug Company, Inc., doing business as Whitman Laboratories, Opelousas, La. Coca and quinine syrup, rubbing alcohol compound, etc. 511,434, June 21; Serial No. 551,116, published Mar. 8, 1949. Class 6.

Lucky Club Company, St. Louis, Mo. Non-alcoholic malticse carbonated beverages. 381,282, Sept. 17, 1940. Republished June 21, 1949. Class 45.

M. & S, Dairy Specialties, assignor to Crest Foods Co., Ashton, Ill. Fusion of casein and lactalbumin in powder form. 442,934, June 21; Serial No. 516,992, published Mar. 15, 1949. Class 46.

Mass, W. S., Inc., New York, N. Y. Brassières. 511,522, June 21; Serial No. 553,499. Class 39.

Mace's, Inc., Kansas City, Mo. Jewelry. 511,177, June 21; Serial No. 530,661, published Mar. 8, 1940. Class 28.

MacHose, Laurence T., Fullerton, Pa. Printed musical publication. 511,284, June 21; Serial No. 530,327, published Mar. 8, 1949. Class 38.

Macwhyte Company, Kenosha, Wis. Wire rope. 511,202, June 21; Serial No. 533,331, published Feb. 22, 1949. Class 7.

Magnetos Lucifer, Société Anonyme, Carouge, Geneva, Switzerland. Magneto-dynamo apparatus and small magnetos for lighting purposes. 442,913, June 21; Serial No. 407,317, published Mar. 8, 1949. Class 21.

Mahogany Importing Company: *See*—
Cadwallader-Gibson Co., Inc.

Maison Geisweiller & Fils, Societe Anonyme, Nuits-Saint-Georges (Cote d'Or), France. Wines. 319,645–7, Dec. 4, 1934. Republished June 21. Class 47.

Maltex Company, Burlington, Vt. Breakfast cereal. 488,534, Apr. 27, 1948. Republished June 21. Class 46.

Many, Blanc & Co., Inc., Chicago, Ill. Kummel. 511,186, June 21; Serial No. 519,132, published Mar. 15, 1949. Class 49.

Marsden, Inc., Washington, D. C. Pen sets, frisket paper, acetate tracing films, etc. 511,263, June 21; Serial No. 538,153, published Mar. 1, 1949. Class 37.

Martin Manufacturing Company, Berlin, Wis. Child's toy vehicle. 511,508, June 21; Serial No. 540,084. Class 22.

Marvlo Fabrics, Inc.: *See*—
Marvlo Mills, Inc.

Marvlo Mills, Inc., to Marvlo Fabrics, Inc., New York, N. Y. Piece goods. 260,617, renewed Aug. 27, 1949. O. G. June 21. Class 42.

Marx & Haas-Korrekt Company, St. Louis, Mo. Men's and young men's suits, coats, pants, etc. 511,203, June 21; Serial No. 533,464, published Mar. 8, 1949. Class 39.

Master Appliance Mfg. Company, Racine, Wis. Machine for mixing dental mix. 511,352, June 21; Serial No. 544,271, published Mar. 1, 1949. Class 44.

Master Lock Company, Milwaukee, Wis. Locks. 511,125, June 21; Serial No. 511,632, published Feb. 8, 1949. Class 25.

Mastercraft Foundations, New York, N. Y. Corsets, girdles, and foundation garments. 511,199, June 21; Serial No. 532,949, published Mar. 15, 1949. Class 39.

Mastercraft Foundations, New York, N. Y. Corsets, girdles and foundation garments. 511,200, June 21; Serial No. 532,952, published Mar. 15, 1940. Class 39.

Master Vintners Wine Co.: *See*—
Celia Vineyards.

Mastic Tile Corporation of America, Newburgh, N. Y. Asphalt floor tiles. 511,323, June 21; Serial No. 542,148, published Feb. 22, 1949. Class 20.

Maternity Shop, The, Washington, D. C. Dresses and suits for women. 511,298, June 21; Serial No. 540,633, published Mar. 15, 1949. Class 39.

May Department Stores Company, The, St. Louis, Mo. Sanitary napkins. 240,135, Mar. 20, 1928. Republished June 21. Class 44.

McClelland, T. & A., Limited, Glasgow, Scotland. Scotch whiskey. 306,614, Sept. 26, 1933. Republished June 21. Class 49.

McCormick & Co., Incorporated, Baltimore, Md. Insecticides. 439,833, July 27, 1948. Republished June 21. Class 6.

McCoy, Jones & Company, Inc.: *See*—
McCoy, Jones & Westlake, Inc.

McCoy, Jones & Westlake, Inc., by McCoy, Jones & Company, Inc., Chicago, Ill. Soap. 347,384, June 22, 1937. Republished June 21. Class 4.

McCrosky Tool Corporation, Meadville, Pa. Holders for rotatably supporting drilling, boring, reaming, and tapping tools. 442,832, June 21; Serial No. 516,089, published Mar. 1, 1949. Class 23.

McDougall, Alexander, & Co. Limited, Islay, Scotland. Whiskey. 372,594–5, Nov. 7, 1939. Republished June 21. Class 49.
McGillicaddy, Mathilde, Minneapolis, Minn. Veterinarian remedy. 511,431, June 21; Serial No. 550,537, published Mar. 8, 1949. Class 6.
McKesson & Robbins, Incorporated, New York, N. Y. Antiseptic suntan lotion. 423,847, Sept. 10, 1946. Corrected. O. G. June 21. Class 6.
Mead, Johnson, & Company, Evansville, Ind. Specially prepared dried milk. 511,315, June 21; Serial No. 541,755, published Sept. 14, 1948. Class 46.
Medi-Phragm Products: *See*—
Hagaman, Charles B.
Medley Distilling Company, Owensboro, Ky. Whiskey. 511,316, June 21; Serial No. 541,855, published Mar. 8, 1949. Class 49.
Mendelsohn, David J., New York, N. Y. Monthly publication. 511,499, June 21; Serial No. 407,622. Class 38.
Mercoid Corporation, The: *See*—
Federal Gauge Company, The.
Merrill Candy Co., Merrill, Wis. Candy. 200,791, Mar. 2, 1926. Republished June 21. Class 46.
Merrill Candy Co., Merrill, Wis. Bar candy. 422,208, July 9, 1946. Republished June 21. Class 46.
Merrill Candy Company, Merrill, Wis. Bar candy. 433,078, Oct. 28, 1947. Republished June 21. Class 46.
Merrill Candy Co., Merrill, Wis. Bar candy. 433,860, Nov. 4, 1947. Republished June 21. Class 46.
Merrill Company, The, San Francisco, Calif. Vacuum precipitation process equipment. 511,294, June 21; Serial No. 539,971, published Mar. 8, 1949. Class 31.
Merrimac Mills Company, Methuen, Mass. Textile fabrics in the piece. 511,178, June 21; Serial No. 530,754, published Feb. 8, 1949. Class 42.
Merrit Products Company: *See*—
National Toilet Company.
Michelson Manufacturing Company, Canton, Ill. Work clothing. 511,176, June 21; Serial No. 530,544, published Feb. 22, 1949. Class 39.
Mid-States Gummed Paper Co., Chicago, Ill. Transparent gelatine paper. 511,341, June 21; Serial No. 543,011, published Feb. 8, 1949. Class 37.
Midwestern Tool Company, Chicago, Ill. Milling cutters. 433,555, Oct. 21, 1947. Republished June 21. Class 23.
Miley, L. J., Company, Chicago, Ill. Brake lining sets. 511,184, June 21; Serial No. 531,351, published Mar. 8, 1949. Class 35.
Miller, Burton E., Hancock, Md. Rodent exterminator. 511,502, June 21; Serial No. 521,746. Class 6.
Miller, I., & Sons, Inc., Long Island City, N. Y. Shoe buckles. 511,359, June 21; Serial No. 545,505, published Mar. 15, 1949. Class 40.
Miller, Woodrow, doing business as Miller's Honey Company, Colton, Calif. Honey. 442,925, June 21; Serial No. 512,079, published Mar. 15, 1949. Class 46.
Miller's Honey Company: *See*—
Miller, Woodrow.
Minnesota Linseed Oil Paint Company, Minneapolis, Minn., now by change of name Minnesota Paints, Inc. Paint and paint enamel in liquid form. 511,280, June 21; Serial No. 539,598, published Jan. 25, 1949. Class 16.
Minnesota Paints, Inc.: *See*—
Minnesota Linseed Oil Paint Company.
Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubber and fabric sport shoes. 511,173, June 21; Serial No. 530,099, published Mar. 1, 1949. Class 39.
Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubbers and rubber overshoes. 511,174, June 21; Serial No. 530,105, published Feb. 22, 1949. Class 39.
Mitchell Manufacturing Company, Chicago, Ill. Fluorescent lighting fixtures, electrically operated floor lamps etc. 511,119, June 21; Serial No. 508,489, published Mar. 15, 1949. Class 21.
Moench, R. G., & Co., Inc., New York, N. Y. Food composition in powdered form. 511,143, June 21; Serial No. 523,137, published Mar. 8, 1949. Class 46.
Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Rugs and carpets. 511,314, June 21; Serial No. 541,690, published Sept. 14, 1948. Class 42.
Monsanto Chemical Company, St. Louis, Mo. Synthetic resin coating compositions. 511,344, June 21; Serial No. 543,506, published Mar. 15, 1949. Class 16.
Morrell, John, & Co., Ottumwa, Iowa. Food for dogs, cats, foxes, etc. 316,997, Sept. 11, 1934. Republished June 21. Class 46.
Morrell, John, & Co., Ottumwa, Iowa. Food for dogs, cats, foxes, etc. 317,382, Sept. 25, 1934. Republished June 21. Class 46.
Morris & Company, Incorporated, by Straus, Royer & Straus, Inc., Baltimore, Md. Ladies', misses', and children's dresses. 141,618, Apr. 26, 1921. Republished June 21. Class 39.
Morris, Mann & Reilly, Inc., Chicago, Ill. Hair nets. 511,429, June 21; Serial No. 550,424, published Mar. 8, 1949. Class 39.
Morton Salt Company, Chicago, Ill. Salt. 511,255, June 21; Serial No. 537,814, published Mar. 1, 1949. Class 46.
Moto-8way Corporation of America, South Pasadena, Calif. Compounds for dissolving grease and oil. 511,412, June 21; Serial No. 548,988, published Mar. 15, 1949. Class 4.
Mountain View Fruit Association, Upland, Calif. Fresh citrus fruits. 201,347, July 21, 1925. Republished June 21. Class 46.
Mühlens & Kropff, New York, N. Y., vested in the Attorney General of the United States, Washington, D. C., and to him. Toilet soap. 72,521, re-renewed Feb. 2, 1949. O. G. June 21. Class 4.
Mülhens, Paul P., doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany, vested in the Attorney General of the United States, Washington, D. C., and to him. Eau de cologne water, perfumery, hair tonics, etc. 250,322, renewed Dec. 4, 1948. O. G. June 21. Class 6.
Mülhens, Paul P., doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany, vested in the Attorney General of the United States, Washington, D. C., and to him. Soaps. 250,565, renewed Dec. 11, 1948. O. G. June 21. Class 4.
Mutual Paper Co., Inc., The, New York, N. Y. Paper. 415,231, July 31, 1945. Republished June 21. Class 37.
National Cylinder Gas Company, Chicago, Ill. Hose, including welding hose. 511,360, June 21; Serial No. 540,516, published Mar. 8, 1949. Class 35.
National Distillers Products Corporation, New York, N. Y. Whiskey. 511,376, June 21; Serial No. 546,509, published Feb. 8, 1949. Class 49.
National Program Service: *See*—
Wineberg, Henry J.
National Toilet Company, Paris, Tenn. Cream ointment. 46,466, Sept. 19, 1905. Republished June 21. Class 6.
National Toilet Company, doing business as Merrit Products Company, Paris, Tenn. Face powder and perfume. 410,689, Dec. 12, 1944. Republished June 21. Class 6.
National Toilet Company, doing business as Merrit Products Company, Paris, Tenn. Liquid hair dressing and straightener, antiseptic mouth wash and gargle, hair tonic, etc. 432,349, Sept. 2, 1947. Republished June 21. Class 6.
National Waterproofing Company, Camden, N. J. Waterproof wrapping and lining paper. 511,345, June 21; Serial No. 543,515, published Mar. 1, 1949. Class 37.
Nelson Knitting Company, Rockford, Ill. Hosiery. 511,192–3, June 21; Serial Nos. 532,152–3, published Mar. 1, 1949. Class 39.
Nelson Specialty Welding Equipment Corporation, San Leandro, Calif., assignor to Morton Gregory Corporation. Electric stud welding guns and parts thereof. 442,911, June 21; Serial No. 496,097, published Mar. 8, 1949. Class 21.
New River Company, The: *See*—
White Oak Coal Co., The.
White Oak Coal Company.
Noblia Corporation: *See*—
Carson, Albert.
Noblia Mills: *See*—
Carson, Albert.
Noma Electric Corporation, doing business as the Ansonia Electrical Division of Noma Electric Corporation, New York, N. Y., and Ansonia, Conn. Insulated electrical conductors and cables. 511,421, June 21; Serial No. 549,743, published Mar. 15, 1949. Class 21.
Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, calendars, etc. 442,935, June 21; Serial No. 517,085, published Mar. 1, 1949. Class 38.
Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, calendars, etc. 511,432, June 21; Serial No. 550,822, published Mar. 8, 1949. Class 38.
North American Press, The, Milwaukee, Wis. Book covers. 511,425, June 21; Serial No. 549,945, published Mar. 8, 1949. Class 37.
North Bohemian Fnt Factories (Formerly Jiri Schicht) National Corporation: *See*—
Schicht, Georg, A. G.
Northwestern Extract Co., Milwaukee, Wis. Flavor for maltless soft drinks. 511,186, June 21; Serial No. 531,618, published Mar. 1, 1949. Class 45.
Norton Lasier Company, Chicago, Ill., now by change of name L C N Closers, Inc. Door closers. 511,172, June 21; Serial No. 530,088, published Mar. 8, 1949. Class 13.
Nugent, Wm. W., & Co., Inc., Chicago, Ill. Oil filters. 511,249, June 21; Serial No. 537,610, published Mar. 8, 1949. Class 31.
Nu-Life Cookwear: *See*—
Foti, Peter.
Nu-Wall Manufacturing Company, Milwaukee, Wis. Wall plaster. 442,970, June 21; Serial No. 485,263. Class 12.
Nuzan Brassiere Co., Inc., assignor to Surprise Brassiere Co., Inc., New York, N. Y. Brassières. 511,331, June 21; Serial No. 542,484, published Mar. 15, 1949. Class 39.
Nuzan Brassiere Co., Inc., assignor to Surprise Brassiere Co., Inc., New York, N. Y. Brassières. 511,348, June 21; Serial No. 543,651, published Mar. 15, 1949. Class 39.

Nye and Naumes Packing Company, Medford, Oreg. Fresh deciduous fruits. 435,909, Jan. 13, 1948. Republished June 21. Class 46.
O'Connor & Goldberg, Chicago, Ill. Women's shoes. 511,409, June 21; Serial No. 548,519, published Mar. 15, 1949. Class 39.
O'Gara Coal Company, by Sahara Coal Company, Chicago, Ill. Coal. 199,179, June 2, 1925. Republished June 21. Class 1.
Old Ben Coal Corporation, Chicago, Ill. Coal. 511,188, June 21; Serial No. 531,706, published Mar. 15, 1949. Class 1.
Old Monk Company: *See*—
Old Monk Olive Oil Co.
Old Monk Olive Oil Company.
Old Monk Olive Oil Company, by Old Monk Company, Chicago, Ill. Canned and bottled olives and cherries. 202,173, Aug. 18, 1925. Republished June 21. Class 46.
Old Monk Olive Oil Co., by Old Monk Company, Chicago, Ill. Mayonnaise, French dressing, Thousand Island Dressing, etc. 303,964, June 13, 1933. Republished June 21. Class 46.
Old Monk Olive Oil Co., by Old Monk Company, Chicago, Ill. Brandy and alcoholic cordials. 320,138, Dec. 18, 1934. Republished June 21. Class 49.
Old Monk Olive Oil Co., by Old Monk Company, Chicago, Ill. Salad dressing. 346,928, June 15, 1937. Republished June 21. Class 46.
Old Monk Olive Oil Co., by Old Monk Company, Chicago, Ill. Olives. 381,408, Sept. 24, 1940. Republished June 21. Class 46.
Old Monk Olive Oil Co., now by change of name Old Monk Company, by Old Monk Company, Chicago, Ill. Salad oil and sandwich spread. 395,855, June 16, 1942. Republished June 21. Class 46.
Olympic Sporting Goods Company, Inc., New York, N. Y. Footballs, basketballs, soccer ball, etc. 511,519, June 21; Serial No. 550,825. Class 22.
Orange Smile Sirup Company, St. Louis, Mo. Nonalcoholic maltless beverages, and flavoring syrups. 511,145, June 21; Serial No. 523,855, published Mar. 8, 1949. Class 45.
Orbitex, Inc., New York, N. Y. Hosiery and underwear for men, women, and children, and neckties for men. 389,888, Aug. 26, 1941. Republished June 21. Class 39.
Orchard Park Farms: *See*—
Leverette, Walter H.
Order of Railway Conductors of America, Cedar Rapids, Iowa. Periodical. 511,464, June 21; Serial No. 556,728, published Mar. 1, 1949. Class 38.
Ormont Drug & Chemical Co., Inc., Long Island City, N. Y. Preparation for the treatment and relief of coughs due to colds. 442,905, June 21; Serial No. 476,879, published July 22, 1947. Class 6.
Orogold Co., The, by Edward Lamar Dial, Dallas, Tex. Non-alcoholic, maltless syrup. 371,138, Sept. 19, 1939. Republished June 21. Class 45.
Ortega, E. C., Co., Los Angeles, by Coastal Valley Canning Co., Oxnard, Calif. Canned tomato and green chile juice for food purposes. 385,062, Mar. 11, 1941. Republished June 21. Class 46.
Ortega, E. C., Co., Los Angeles, Calif., by Coastal Valley Canning Co., Oxnard, Calif. Non-alcoholic, maltless tomato and green chili juice beverage. 385,849, Mar. 18, 1941. Republished June 21. Class 45.
Ortega, E. C., Company, Inc., Los Angeles, by Coastal Valley Canning Co., Oxnard, Calif. Canned peeled chile peppers, canned pimientos. 331,229, Dec. 31, 1935. Republished June 21. Class 46.
Ortega, E. C., Company, Inc., Los Angeles, by Coastal Valley Canning Co., Oxnard, Calif. Canned green chile sauce. 331,470, Jan. 7, 1936. Republished June 21. Class 46.
Ortega, E. C., Company, Inc., doing business as Pioneer Chile Packing Co., Los Angeles, by Coastal Valley Canning Co., Oxnard, Calif. Canned pimientos and chile peppers. 331,487, Jan. 7, 1936. Republished June 21. Class 46.
Ortega, E. C., Company, Inc., Los Angeles, by Coastal Valley Canning Co., Oxnard, Calif. Canned peeled chile peppers, canned pimientos. 331,900, Jan. 21, 1936. Republished June 21. Class 46.
Ortega, E. C., Company, Inc., Los Angeles, by Coastal Valley Canning Co., Oxnard, Calif. Canned pimientos. 331,901, Jan. 21, 1936. Republished June 21. Class 46.
Ortho Pharmaceutical Corporation: *See*—
Ortho Products, Inc.
Ortho Pharmaceutical Corporation, Raritan, N. J. Vaginal douche. 423,077, Aug. 20, 1946. Republished June 21. Class 6.
Ortho Pharmaceutical Corporation, Raritan, N. J. Rubber vaginal diaphragms and applicators. 434,824, Dec. 9, 1947. Republished June 21. Class 44.
Ortho Pharmaceutical Corporation, Raritan, N. J. Pharcaceutical preparation. 439,457, June 29, 1948. Republished June 21. Class 6.
Ortho Products, Inc., Linden, by Ortho Pharmaceutical Corporation, Raritan, N. J. Rubber vaginal diaphragms. 387,080, Apr. 29, 1941. Republished June 21. Class 44.
Ortho Products, Inc., Linden, by Ortho Pharmaceutical Corporation, Raritan, N. J. Vaginal creams and jellies. 390,141, Sept. 9, 1941. Republished June 21. Class 6.
Ortho Products Inc., Linden, by Ortho Pharmaceutical Corporation, Raritan, N. J. Applicators. 394,998, May 5, 1942. Republished June 21. Class 44.
Ortho Products, Inc., Linden, by Ortho Pharmaceutical Corporation, Raritan, N. J. Therapeutic douche powder. 413,780, May 15, 1945. Republished June 21. Class 6.
Oshkosh B'Gosh, Inc., Oshkosh, Wis. Overalls, work shirts, coats, jackets, and pants. 511,479–80, June 21; Serial Nos. 558,917–18, published Mar. 15, 1949. Class 39.
Oshkosh Trunk Company, The, to Oshkosh Trunks and Luggage, Oshkosh, Wis. Golf bags. 250,566, renewed Dec. 11, 1948. O. G. June 21. Class 22.
Oshkosh Trunks and Luggage: *See*—
Oshkosh Trunk Company, The.
Outboard Marine and Manufacturing Company: *See*—
Evinrude Motor Company.
Outside Venetian Blind Co.: *See*—
Bush, J. E.
Overland Automobile Company, Indianapolis, Ind., by Willys-Overland Motors, Inc., Toledo, Ohio. Automobiles. 72,436, Jan. 26, 1909. Republished June 21. Class 19.
Overton, Anthony, doing business as The Overton-Hygienic Mfg. Co., Chicago, Ill., by The Overton-Hygienic Mfg. Co., Chicago, Ill. Hair dressing and straightener. 261,044, Sept. 3, 1929. Republished June 21. Class 6.
Overton-Hygienic Mfg. Co., The: *See*—
Overton, Anthony.
Ox Fibre Brush Company, Inc., Frederick, Md. Brushes. 511,362–3, June 21; Serial Nos. 545,759–60, published Jan. 11, 1949. Class 29.
Pacific Grape Products Company, Modesto, Calif. Canned fruits. 330,703, Dec. 10, 1935. Republished June 21. Class 46.
Pappas Bros. & Gillies Company, Egg Harbor City, N. J. Canned cranberry sauce. 511,250, June 21; Serial No. 537,612, published Mar. 8, 1940. Class 46.
Parsons, Howard D., doing business as Howard D. Parsons Enterprises, Kansas City, Mo. Electrical phonographs and parts thereof, etc. 511,404, June 21; Serial No. 548,013, published Mar. 8, 1949. Class 21.
Patek Brothers, Inc., Milwaukee, Wis. Paint sold in liquid form. 511,224, June 21; Serial No. 536,429, published Mar. 15, 1949. Class 16.
Patrol Valve Company, The: *See*—
Cleveland Heater Company, The:
Patrol Valve Company, The, Cleveland, Ohio. Gas-range-burner ignition and control devices. 377,993, Dec. 2, 1930. Republished June 21. Classes 26 and 34.
Patrol Valve Company, The, Cleveland, Ohio. Metallic fittings and alloys. 439,064, Aug. 3, 1948. Republished June 21. Class 14.
Peck & Peck, New York, N. Y. Wearing apparel for women. 511,516, June 21; Serial No. 548,754. Cls. 1 39.
Pedigree Fabrics, Inc., New York, N. Y. Woven fabric. 442,947, June 21; Serial No. 520,290, published Feb. 8, 1949. Class 42.
Peerless Chain Company, Winona, Minn. Chains. 511,204, June 21; Serial No. 533,607, published Mar. 1, 1949. Class 13.
Peerless Oyster Co., Baltimore, Md., by C. B. Torsch, surviving partner of Peerless Oyster Co., doing business as Peerless Oyster Co. Poultry food. 84,518, Dec. 19, 1911. Republished June 21. Class 46.
Peerless Pump Company, Los Angeles, to Food Machinery and Chemical Corporation, San Jose, Calif. Deep-well turbine-pump heads. 258,321, renewed July 2, 1949. O. G. June 21. Class 23.
Peerless Specialty Company, Buffalo, N. Y. Jar-packed whole and crushed fruits in syrup bases, fruit syrups, etc. 511,104, June 21; Serial No. 532,159, published Mar. 8, 1949. Class 46.
Peerless Undergarment Co., by Peerless Undergarment Co., Inc., New York, N. Y. Ladies' underwear. 375,319, Feb. 13, 1940. Republished June 21, 1949. Class 39.
Peerless Undergarment Co., by Peerless Undergarment Co., Inc., New York, N. Y. Ladies' underwear, nightgowns, slips, etc. 381,994, Oct. 15, 1940. Republished June 21. Class 39.
Peerless Undergarment Co., Inc.: *See*—
Peerless Undergarment Co.
Peerless Wolfson Company, Chicago, Ill. Handkerchiefs. 511,342, June 21; Serial No. 543,321, published Mar. 1, 1949. Class 39.
Pelvo Medicine Co., The: *See*—
Spicer, Charles R.
Pep Boys, Manny, Moe & Jack, The, Philadelphia, Pa. Tire valve caps and tire valve cores. 511,234, June 21; Serial No. 536,949, published Mar. 8, 1949. Class 13.
Pepper-Grenald Labs, Miami Beach, Fla. Medicinal preparation. 511,493, June 21; Serial No. 507,615, published Mar. 8, 1949. Class 6.
Perfect Circle Corporation, Hagerstown, Ind. Tools; machines. 511,241, June 21; Serial No. 537,231, published Mar. 8, 1949. Class 23.
Permoflux Corporation, Chicago, Ill. Permanent magnet dynamic transducers. 410,450, Nov. 28, 1944. Republished June 21. Class 21.

Permodux Corporation, Chicago, Ill. Permanent magnet dynamic transducers. 410,463, Nov. 28, 1944. Republished June 21. Class 21.

Perrin Glove Company, Inc.: *See*—
Perrin, V., & Cie.

Perrin, V., & Cie., New York and Gloversville, N. Y., and Grenoble, France, to Perrin Glove Company, Inc., New York, N. Y. Leather gloves. 74,670–1, re-renewed July 27, 1949. O. G. June 21. Class 39.

Perry, Saul H., doing business as Pickwick Ice Cream Company, by Pickwick Ice Cream Co., Inc., Stamford, Conn. Ice cream. 305,282, Aug. 8, 1933. Republished June 21. Class 46.

Petrmapotheke Dr. August Kutlak, to Dr. A. Kutlak, Erzeugung chem. pharm. Präparate und Petruapotheke, Vienna, Austria. Pharmaceutical preparations. 238,883, renewed Feb. 14, 1948. O. G. June 21. Class 6.

Pfaffman Company, The: *See*—
Pfaffman Egg Noodle Co., The.
Pfaffman Egg Noodle Company, The.

Pfaffman Egg Noodle Company, The, by The Pfaffman Company, Cleveland, Ohio. Macaroni, spaghetti, and egg noodles. 266,746, Feb. 4, 1930. Republished June 21. Class 46.

Pfaffman Egg Noodle Co., The, by The Pfaffman Company, Cleveland, Ohio. Macaroni. 293,541, Apr. 26, 1932. Republished June 21. Class 46.

Pfeifle Bros., Brooklyn, N. Y. Leather belting. 511,268, June 21; Serial No. 538,444, published Mar. 8, 1949. Class 35.

Pfeiffer Brewing Company, Detroit, Mich. Beer. 511,182, June 21; Serial No. 630,954, published Mar. 15, 1949. Class 46.

Philadelphia Quartz Company, Philadelphia, Pa. Cleansing compound. 511,354, June 21; Serial No. 644,655, published May 25, 1948. Class 4.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 511,387, June 21; Serial No. 647,401, published Mar. 5, 1949. Class 6.

Philco Corporation: *See*—
Electromaster, Inc.

Phillips-Jones Corporation, New York, N. Y. Men's outer shirts, sport shirts, neckties, and pajamas. 442,966, June 21; Serial No. 525,940, published Mar. 1, 1949. Class 39.

Phillips-Jones Corporation, New York, N. Y. Men's outer dress, work, and sport shirts, etc. 442,967, June 21; Serial No. 525,942, published Mar. 1, 1949. Class 39.

Phillips-Jones Corporation, New York, N. Y. Men's collars, sport shirts, sport jackets, etc. 442,968, June 21; Serial No. 525,945, published Feb. 22, 1949. Class 39.

Pickwick Ice Cream Company: *See*—
Perry, Saul H.

Pickwick Ice Cream Co., Inc.: *See*—
Perry, Saul H.

Pillsbury Flour Mills Company, to Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 256,759, renewed May 21, 1949. O. G. June 21. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company.

Pilot Packing Co., Inc., New York, N. Y. Mechanical packings. 511,467, June 21; Serial No. 556,914, published Mar. 8, 1949. Class 35.

Pioneer Chile Packing Co.: *See*—
Ortega, E. C., Company, Inc.

Pioneer Gen-E-Motor Corporation, by Pioneer Gen-E-Motor Corporation, Chicago, Ill. Dynamotors, generators, inverted rotary converters and motor generators. 342,559, Jan. 19, 1937. Republished June 21. Class 21.

Pioneer Gen-E-Motor Corporation, by Pioneer Gen-E-Motor Corporation, Chicago, Ill. Generators, motors, dynamotors, etc. 353,098, Dec. 28, 1937. Republished June 21. Class 21.

Pioneer Gen-E-Motor Corporation, by Pioneer Gen-E-Motor Corporation, Chicago, Ill. Generators, electric motors, dynamotors, etc. 358,949, July 26, 1938. Republished June 21. Class 21.

Pioneer-Gen-E-Motor Corporation, Chicago, Ill. Generators, electric motors, dynamotors, etc. 411,610, Jan. 23, 1945. Republished June 21. Class 21.

Pioneer Gen-E-Motor Corporation, Chicago, Ill. Hand and engine driven lawn mowers and parts thereof, garden tractors, sprayers, and pumps. 418,507, Jan. 1, 1946. Republished June 21. Class 23.

Pioneer Gen-E-Motor Corporation, Chicago, Ill. Power lawn mowers, hand lawn mowers, and garden tractors, and parts thereof. 439,741–2, July 20, 1948. Republished June 21. Class 23.

Piru Citrus Association, Piru, Calif. Fresh citrus fruits. 209,836, Mar. 2, 1926. Republished June 21. Class 46.

Piru Citrus Association, Piru, Calif. Fresh citrus fruits. 210,976, Mar. 30, 1926. Republished June 21. Class 46.

Piru Citrus Association, Piru, Calif. Fresh citrus fruits. 214,646, June 29, 1926. Republished June 21. Class 46.

Piru Citrus Association, Piru, Calif. Fresh citrus fruits. 226,547, Apr. 12, 1927. Republished June 21. Class 46.

Piru Citrus Association, Piru, Calif. Fresh citrus fruits. 349,708, Aug. 31, 1937. Republished June 21. Class 46.

Placentia Orange Growers Association, Fullerton, Calif. Fresh citrus fruits. 200,930, July 14, 1925. Republished June 21. Class 46.

Placentia Orange Growers Association, Fullerton, Calif. Fresh citrus fruits. 202,695, Sept. 1, 1925. Republished June 21. Class 46.

Placentia Orange Growers Association, Fullerton, Calif. Fresh citrus fruits. 211,127, Apr. 6, 1926. Republished June 21. Class 46.

Placentia Orange Growers Association, Fullerton, Calif. Fresh citrus fruits. 214,781, July 6, 1926. Republished June 21. Class 46.

Plee-Zing, Inc., Chicago, Ill. Cereal breakfast food. 442,909, June 21; Serial No. 493,215, published Mar. 15, 1949. Class 46.

Plough Chemical Company, to Plough, Inc., Memphis, Tenn. Line of toilet preparations. 261,716, renewed Sept. 24, 1949. O. G. June 21. Class 6.

Pollak, Henry, Inc., New York, N. Y. Braids. 511,456, June 21; Serial No. 555,301, published Mar. 1, 1949. Class 40.

Porterville Grape Association, Porterville, Calif. Fresh deciduous fruits. 261,005, renewed Sept. 3, 1949. O. G. June 21. Class 46.

Potter, Sheldon E., doing business as Visalia Stock Saddle Company, San Francisco, Calif. Saddles and parts thereof. 511,123, June 21; Serial No. 511,498, published Mar. 8, 1949. Class 3.

Potter, Sheldon E., doing business as Visalia Stock Saddle Co., San Francisco, Calif. Saddles and parts thereof. 511,124, June 21; Serial No. 511,499, published Jan. 18, 1949. Class 3.

Powell & Campbell, Inc., New York, N. Y. Boots, shoes, sandals, etc. 511,185, June 21; Serial No. 631,367, published Feb. 22, 1949. Class 30.

Prest-O-Lite Storage Battery Corporation, Speedway, Ind., by Ford Motor Company, Dearborn, Mich. Storage batteries. 281,103, Sept. 3, 1929. Republished June 21, 1949. Class 21.

Price, Ed. V., & Company, Chicago, Ill. Men's suits, top coats, overcoats, and pants. 511,206, June 21; Serial No. 533,921, published Mar. 1, 1949. Class 39.

Price-Wilhoite Company, The, Frederick, Md. Peanut butter sandwiches. 511,286, June 21; Serial No. 539,438, published Mar. 8, 1949. Class 46.

Princess Pat, Ltd., Chicago, Ill. Rouge, Lipstick, face powder, nail polish, etc. 442,918, June 21; Serial No. 503,938, published Feb. 3, 1948. Class 6.

Pulforcat (Societe a Responsabilite Limitee): *See*—
Saks & Co.

Pure Oil Company, The, Chicago, Ill. Oils for use on floors, furniture and woodwork. 511,154, June 21; Serial No. 527,284, published Mar. 15, 1949. Class 16.

Quaker Oats Company, The, Chicago, Ill. Breakfast cereals. 257,838, renewed June 4, 940. O. G. June 21. Class 46.

Quaker Oats Company, The, Chicago, Ill. Corn meal. 257,339, renewed June 4, 1949. O. G. June 21. Class 46.

Quaker Rubber Corporation, Philadelphia, Pa. Air hose. 511,450, June 21; Serial No. 554,807, published Mar. 15, 1949. Class 35.

Quality Park Envelope Company, St. Paul, Minn. Mailing envelopes. 511,416, June 21; Serial No. 542,333, published Mar. 8, 1949. Class 37.

Quinn-Brown Publishing Corp., Stamford, Conn. Monthly publication. 511,530, June 21; Serial No. 563,133. Class 38.

Rand, McNally, and Company, Chicago, Ill. Books. 511,139, June 21; Serial No. 521,927, published Mar. 1, 1949. Class 38.

Rapitag Needle Company: *See*—
Lippard, Herman I.

Rayfel Hosiery Mills, Inc., Phoenixville, Pa. Ladies' hosiery. 511,357, June 21; Serial No. 545,167, published Feb. 22, 1949. Class 39.

Reed, Dr., Cushion Shoe Company, Chicago, Ill. Shoes. 511,190, June 21; Serial No. 532,058, published Mar. 1, 1949. Class 39.

Reeves, Parvin & Co., Philadelphia, Pa. Grape juice and root-beer extract. 261,615, renewed Sept. 17, 1949. O. G. June 21. Class 46.

Refrigeration Engineering Inc., Los Angeles, Calif. Refrigeration coils, ice-making coils, evaporative condensers and freezing tunnels. 442,910, June 21; Serial No. 495,191, published Mar. 8, 1949. Class 31.

Regal Shoe Company, Whitman, Mass. Boots and shoes. 258,849, Mar. 5, 1929. Republished June 21. Class 39.

Regency Clothes, Philadelphia, Pa. Men's suits, topcoats, overcoats, sport coats, and trousers. 511,243, June 21; Serial No. 537,361, published Mar. 1, 1949. Class 39.

Rejane, Inc.: *See*—
Laboratories de Productos de Belleza, Irenne Darie S. A.

Rex Cutlery Corporation, Irvington, N. J. Manicure implements. 511,457, June 21; Serial No. 555,564, published Feb. 22, 1949. Class 44.

Rice-Stix Dry Goods Company, St. Louis, Mo. Luggage. 511,529, June 21; Serial No. 581,343. Class 3.

Rilling Company: *See*—
Alladin Cosmetic Company.

Robins, A. H., Company, Richmond, Va. Vitamin preparation in capsule form. 511,471, June 21; Serial No. 557,466, published Aug. 17, 1948. Class 6.

Rocks of Ages Corporation: *See*—
Smith, E. L., & Co.

Rockwood Mills, Rockwood, Tenn. Hosiery. 442,941, June 21; Serial No. 519,827, published Apr. 18, 1948. Class 39.

Rockwood Mills, Rockwood, Tenn. Hosiery. 442,942, June 21; Serial No. 519,831, published Apr. 18, 1948. Class 39.

Roman Stripe Mills Inc., Easton, Pa., to Chas. Chipman's Sons Co., Inc., New York, N. Y. Hosiery. 253,953, renewed Mar. 12, 1949. O. G. June 21. Class 39.

Romeo y Julieta, Fábrica de Tabacos, S. A.: *See*—
Sociedad Anónima Romeo y Julieta, Fábrica de Tabacos.

Ronny Mfg. Co.: *See*—
Ronny Manufacturing Co.

Ronny Manufacturing Co., assignee to Sam J., and R. R. Kaplan, doing business as Ronny Mfg. Co., Los Angeles, Cal. Children's sleeping garments. 511,366, June 21; Serial No. 528,955, published Mar. 15, 1949. Class 39.

Rosenberg, Sydney, doing business as Tam O'Shanter Sportswear Co., Boston, Mass. Men's children's and infants' cotton clothing, namely, polo shirts and sweat shirts, sweaters, etc. 442,940, June 21; Serial No. 519,097, published Nov. 18, 1947. Class 39.

Roth, Chester H., Co., Inc., New York, N. Y. Men's, ladies' and children's hosiery. 442,930, June 21; Serial No. 515,636, published Mar. 1, 1949. Class 39.

Rouw, H., Company, The, Edinburg, Tex. Fresh tomatoes. 442,937, June 21; Serial No. 517,166, published Mar. 15, 1949. Class 46.

Ruppert, Jacob, New York, N. Y. Beer. 511,888, June 21; Serial No. 547,408, published Mar. 1, 1949. Class 46.

Ruppert, Jacob, New York, N. Y. Ale. 511,889, June 21; Serial No. 547,409, published Mar. 1, 1949. Class 46.

Rush, Howard, Incorporated, New York, N. Y. Letterheads, bill heads, statements, etc. 511,179, June 21; Serial No. 530,772, published Mar. 8, 1949. Class 37.

Rutland Fire Clay Company, Rutland, Vt. Spackling compound. 511,806, June 21; Serial No. 541,188, published Mar. 8, 1949. Class 12.

S. & G. Rubber Company, Inc., New York, N. Y. Combs. 511,451, June 21; Serial No. 554,817, published Mar. 1, 1949. Class 40.

Sagner's, A., Son, Frederick, Md. Men's and women's coats and suits, men's trousers, etc. 407,981, July 11, 1944. Republished June 21. Class 39.

Sahara Coal Company: *See*—
O'Gara Coal Company.

St. John, Paul D., Claremont, Calif. Perfumes. 391,245, Oct. 28, 1941. Republished June 21. Class 6.

St. John Products Corporation, New York, N. Y. Surgical bandages and dressings. 511,473, June 21; Serial No. 557,960, published Mar. 15, 1949. Class 44.

Saks & Co., New York, N. Y., to Pulforcat (Societe a Responsabilte Limitee), Paris, France. Silver table ware, silver flatware, and silver hollow ware. 250,908, renewed Dec. 18, 1948. O. G. June 21. Class 28.

Salotti, Peter: *See*—
Grassini, Frank L.

Sanchez Romate Hermanos, S. A., Jerez de la Frontera, Spain. Whiskey, gin, rum, etc. 442,931, June 21; Serial No. 515,761, published Feb. 22, 1949. Class 49.

San Juan Fishing & Packing Company, Seattle, Wash. Canned salmon. 511,365, June 21; Serial No. 546,043, published Mar. 8, 1949. Class 46.

Scbicht, Georg, A. O., Aussig, by Severoceske Tukove Zavody (Drive Jiri Scbicht) Narodni Podnik, also named North Bohemian Fat Factories (formerly Jiri Schicht) National Corporation, Ustl nad Labem, Czecboslovakia. Perfumes, fragrant essences, fragrant extracts, etc. 270,217, Apr. 29, 1930. Republished June 21. Class 6.

Schindel-McDaniels Co., to Schindel-McDaniels Co., Inc., New York, N. Y. Bed sheets, pillowcases, and cotton fabrics. 254,560–1, renewed Mar. 26, 1949. O. G. June 21. Class 42.

Schindel-McDaniels Co., Inc.: *See*—
Schindel-McDaniels Co.

Schnefel Bros. Corporation, Newark, N. J. Manicure implements. 440,733, Sept. 21, 1948. Republished June 21. Class 44.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, knickerbockers, etc. 511,198, June 21; Serial No. 532,843, published Mar. 1, 1949. Class 39.

Scholl Mfg. Co., Inc., The, New York, N. Y., and Chicago, Ill. Medical and surgical appliances. 511,149, June 21; Serial No. 526,615, published Mar. 15, 1949. Class 44.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Antiseptic and medicated foot powders, and lotions, etc. 511,379, June 21; Serial No. 547,040, published Mar. 8, 1949. Class 6.

Schwartz, Hy, Los Angeles, Calif. Under water goggles worn by swimmers. 442,971, June 21; Serial No. 487,338. Class 26.

Schwarzwalder Company, to Aldan Rubber Company, Philadelphia, Pa. Waterproof fabrics. 261,821, renewed Sept. 24, 1949. O. G. June 21. Class 42.

Scully Rubber Manufacturing Co., Baltimore, Md. Flush tank balls. 511,513, June 21; Serial No. 544,118. Class 13.

Seal-Spout Corporation, Newark, N. J. Aluminum pouring spouts. 511,207, June 21; Serial No. 533,929, published Mar. 1, 1949. Class 13.

Seeman Brothers, to Seeman Brothers, Inc., New York, N. Y. Canned and bottled vegetables, fruits, fish, etc. 33,313–14, re-renewed Aug. 8, 1949. O. G. June 21. Class 46.

Seeman Brothers, Inc.: *See*—
Seeman Brothers.

Seismograph Service Corporation, Tulsa, Okla. Geophysical prospecting services. 511,495, June 21; Serial No. 533,403, published Mar. 15, 1949. Class 55.

Sellers Company, Ltd., Chicago, Ill. Beer. 442,927, June 21; Serial No. 514,028, published Mar. 8, 1949. Class 46.

Selma Mercantile Corporation, New York, N. Y. Eggs in the shell. 359,070, Aug. 2, 1938. Republished June 21. Class 46.

Semon Bache & Company, New York, N. Y. Wall mirrors, hand mirrors and mirrors in the nature of furniture. 511,386, June 21; Serial No. 547,364, published Mar. 8, 1949. Class 32.

Severoceske Tukove Zavody (Drive Jiri Schicht) Narodni Podnik: *See*—
Schicht, Georg, A. O.

Shell Chemical Corporation, San Francisco, Calif. Synthetic resins. 511,413, June 21; Serial No. 549,179, published Mar. 15, 1949. Class 1.

Sherman Products: *See*—
Sherman, Sol.

Sherman, Sol, doing business under the name and style of Sherman Products, New York, N. Y. Neckties and bow ties. 511,210, June 21; Serial No. 534,826, published Mar. 1, 1949. Class 39.

Shiman Mfg. Co., Inc., Newark, N. J. Jewelry. 258,243, July 2, 1929. Republished June 21. Class 28.

Shotwell Mfg. Co., by The Cracker Jack Co., Chicago, Ill. Candies. 43,248, Aug. 30, 1904. Republished June 21. Class 46.

Simmons Company, New York, N. Y. Box springs. 511,416, June 21; Serial No. 549,283, published Mar. 8, 1949. Class 32.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Fabrics. 511,410, June 21; Serial No. 548,538, published Feb. 15, 1949. Class 42.

Slaughter, George W., Montreal, Canada, and Detroit, Mich., to G. W. Slaughter, Detroit, Mich. Medicine in tablet form. 75,260, re-renewed Sept. 14, 1949. O. G. June 21. Class 6.

Slick-Shine Company, The, Newark, N. J. Cleaner. 511,492, June 21; Serial No. 563,288, published Mar. 15, 1949. Class 4.

Sloan Groves Co.: *See*—
Sloan, J. Foster.

Sloan, J. Foster, doing business as Sloan Groves Co., McIntosh, Fla. Fresh citrus fruits. 511,258, June 21; Serial No. 538,046, published Mar. 8, 1949. Class 46.

Sloane, W. & J., New York, N. Y. Linoleum, oil cloth and felt base, floor, wall, shelf and furniture covering, etc. 442,959, June 21; Serial No. 525,038, published Jan. 25, 1949. Class 20.

Sloane, W. & J., New York, N. Y. Textile fabrics in the piece, etc. 445,960, June 21; Serial No. 525,042, published Mar. 1, 1949. Class 42.

Slocomb, J. T., Company, Providence, R. I. Micrometers. 102,458, Feb. 9, 1915. Republished June 21. Class 26.

Smith, E. L., & Co., by Rock of Ages Corporation, Barre, Vt. Blocks of granite. 351,376, Oct. 26, 1937. Republished June 21. Class 1.

Smith, E. L., & Co., by Rock of Ages Corporation, Barre, Vt. Granite monuments and memorials. 351,377, Oct. 26, 1937. Republished June 21. Class 50.

Smith, E. L., & Co., by Rock of Ages Corporation, Barre, Vt. Machined or polished blocks or slabs of granite. 351,631, Nov. 2, 1937. Republished June 21. Class 12.

Smith, H. E., Company, The, Newark, N. J. Stencils for duplicating machines. 511,197, June 21; Serial No. 532,510, published Sept. 7, 1948. Class 37.

Smith, Kline & French Company, to Smith, Kline & French Laboratories, Philadelphia, Pa. Lactose preparation. 257,737, renewed June 18, 1949. O. G. June 21. Class 6.

Smith, Kline & French Laboratories: *See*—
Smith, Kline & French Company.

Smith, Louise, Muskogee, Okla. Men's, women's and children's cowboy shirt. 511,295, June 21; Serial No. 540,112, published Mar. 8, 1949. Class 39.

Sociedad Anónima Romeo y Julieta, Fábrica de Tabacos, to Romeo y Julieta, Fábrica de Tabacos, S. A., Habana, Cuba. Cigars. 258,275, renewed July 2, 1949. O. G. June 21. Class 17.

Societe Anonyme des Etablissements Gringoire, Pithiviers, France. Ginger bread, candy, sweet chocolate, etc. 511,216, June 21; Serial No. 535,432, published Mar. 8, 1949. Class 46.

Société Rapidase, Seclin (Nord), France. Artificial bats for leather and skins. 253,493, renewed Feb. 26, 1949. O. G. June 21. Class 6.

Society Brand Clothes, Inc., Chicago, Ill. Clothing. 440,654, Sept. 14, 1948. Republished June 21. Class 39.

Southern Spring Bed Company, Atlanta, Ga. Beds, bed springs, and mattresses. 261,890, renewed Sept. 24, 1949. O. G. June 21. Class 32.

Speare Glove Company, Inc., Gloversville, N. Y. Ladies' gloves. 511,438, June 21; Serial No. 552,094, published Mar. 1, 1949. Class 39.

Spector Brothers, Inc., Philadelphia, Pa. Young men's and men's coats, sport coats, trousers, suits and overcoats. 511,226, June 21; Serial No. 536,559, published Mar. 1, 1949. Class 39.

Spector Brothers, Inc., Philadelphia, Pa. Men's and young men's coats and coat linings. 511,264, June 21; Serial No. 538,188, published Mar. 1, 1949. Class 39.
Speeder Machinery Corporation, Fairfield, by Link-Belt Speeder Corporation, Cedar Rapids, Iowa. Gasoline shovels, cranes, and drag lines. 227,947, May 17, 1927. Republished June 21. Class 23.
Sperzel Company, Minneapolis, Minn. Toilet seats. 511,187, June 21; Serial No. 531,025, published Feb. 22, 1949. Class 13.
Spicer, Charles R., doing business as The Pelvo Medicine Co., to The Charles R. Spicer Company, Memphis, Tenn. Face powder, talcum powder, foot powder, etc. 254,485, renewed Mar. 26, 1949. O. G. June 21. Class 6.
Spicer, Charles R., Company, The: *See*—
Spicer, Charles R.
Spokesman Publishing Company, Cincinnati, Ohio. Magazine. 511,242, June 21; Serial No. 537,250, published Mar. 1, 1949. Class 38.
Sportsman Aid Corp., Riverside, Ill. Printed folders. 511,337, June 21; Serial No. 542,675, published Mar. 1, 1949. Class 38.
Sports-Week, Inc.: *See*—
Jacoba Sports Magazines, Inc.
Sprague Electric Company: *See*—
Sprague Specialties Company.
Sprague Specialties Company, by Sprague Electric Company, North Adams, Mass. Electrical conductors. 404,942, Dec. 28, 1943. Republished June 21. Class 21.
Spratt's Patent (America) Limited, London, England, and Newark, N. J. Preparation in liquid form for washing cages and perches. 259,759, renewed Aug. 6, 1949. O. G. June 21. Class 4.
Springfield Grocer Company, Springfield, Mo. Stationery and school supplies. 511,288, June 21; Serial No. 539,574, published Mar. 8, 1949. Class 37.
Squire, John P. & Company, Jersey City, N. J., and Boston and Cambridge, Mass., to Swift & Company, Chicago, Ill. Hams, bacon and sausages. 73,178, re-renewed Mar. 23, 1949. O. G. June 21. Class 46.
Standard Chemical Company: *See*—
Harwick Standard Chemical Company.
Standard Packing Company, Los Angeles, Calif. Hams and bacon. 204,057, Oct. 6, 1925. Republished June 21. Class 46.
Standard Romper Co., Inc., New York, N. Y. Children's clothing. 511,180, June 21; Serial No. 530,779, published Mar. 1, 1949. Class 39.
Stanley Greetings, Inc.: *See*—
Stanley Manufacturing Company, The.
Stanley, John T., Company, Inc., New York, N. Y. Gasket shellac; rubber based white tire coating, etc. 511,356, June 21; Serial No. 544,923, published Mar. 15, 1949. Class 16.
Stanley Manufacturing Company, The, by Stanley Greetings, Inc., Dayton, Ohio. Decorated letter paper. 406,551, Apr. 11, 1944. Republished June 21. Class 37.
Stanley Works, The, New Britain, Conn. Wood working planes. 261,500, renewed Sept. 17, 1949. O. G. June 21. Class 23.
Stanley Works, The, New Britain, Conn. Chisels and screw drivers. 261,626, renewed Sept. 17, 1949. O. G. June 21. Class 23.
Stationers' Guild of America, Philadelphia, Pa. Zipper brief cases, brief cases. 511,311, June 21; Serial No. 541,372, published Jan. 18, 1949. Class 3.
Stearns & Foster Company, The, Cincinnati, Ohio. Mattresses. 511,317, June 21; Serial No. 541,891, published Mar. 1, 1949. Class 32.
Stearns & Foster Company, The, Cincinnati, Ohio. Cotton batting. 511,417, June 21; Serial No. 549,373, published Mar. 15, 1949. Class 1.
Stein, A., & Company, Chicago Ill. Garters. 75,265, renewed Sept. 14, 1949. O. G. June 21. Class 39.
Stetson Paint & Varnish Company, Chicago, Ill. Paint and paint enamel. 511,291, June 21; Serial No. 539,772, published Mar. 15, 1949. Class 16.
Stetson Paint & Varnish Company, Chicago, Ill. Liquid coating composition. 511,292, June 21; Serial No. 539,777, published Feb. 8, 1949. Class 16.
Stetson Paint & Varnish Company, Chicago, Ill. Varnish, paint, and paint enamel. 511,293, June 21; Serial No. 529,788, published Mar. 15, 1949. Class 16.
Stonestreet Chemicals, Inc., Poughkeepsie, N. Y. Lotion for the relief of distress caused by poison ivy, etc. 511,209, June 21; Serial No. 534,081, published Mar. 8, 1949. Class 6.
Stott & Son Corporation, Winona, Minn. Fabric gloves. 511,128, June 21; Serial No. 514,144, published Mar. 15, 1949. Class 39.
Strathel Paper Company, Green Bay, Wis. Paper towels, paper napkins, and toilet tissues. 511,150, June 21; Serial No. 526,620, published Mar. 1, 1949. Class 37.
Straus, Royer & Strass, Inc.: *See*—
Morris & Company, Incorporated.
Straus, Royer & Straus, Inc., Baltimore, Md. Women's, misses', and children's dresses, shirts, shorts, blouses, etc. 300,541, Jan. 24, 1933. Republished June 21. Class 39.
Straus, Royer & Straus, Inc., Baltimore, Md. Misses' and women's dresses, slacks, outer shorts, etc. 378,738, June 18, 1940. Republished June 21. Class 39.
Straus, Royer & Straus, Inc., Baltimore, Md. Slacks, overalls, playsuits, etc. 383,601, Dec. 17, 1940. Republished June 21. Class 39.
Strong, Carlisle & Hammond Company, Cleveland, Ohio. Steam traps, air traps, gasoline and oil pressure regulating valves, etc. 511,247, June 21; Serial No. 537,485, published Mar. 8, 1949. Class 13.
Strong Cobb & Company, Inc., Cleveland, Ohio. Automatic ampule injecting device. 511,444, June 21; Serial No. 553,428, published Mar. 15, 1949. Class 44.
Sun-Maid Raisin Growers of California, Fresno, Calif. Raisins, raisin bread. 511,236–7, June 21; Serial Nos. 537,097–8, published Mar. 8, 1949. Class 46.
Superba Packing Co., by Superba Packing Co. Ltd., San Francisco, Calif. Canned ravioli, canned spaghetti, and canned mushroom gravy. 184,321, May 20, 1924. Republished June 21. Class 46.
Superba Packing Co. by Superba Packing Co. Ltd., San Francisco, Calif. Italian style ravioli, Italian style mushroom sauce. 269,658, Apr. 15, 1930. Republished June 21. Class 46.
Superba Packing Co. Ltd.: *See*—
Superba Packing Co.
Superba Packing Co. Ltd., San Francisco, Calif. Canned alimentary paste products. 343,529, Mar. 24, 1936. Republished June 21. Class 46.
Super-Fine Products, Inc.: *See*—
Big-Time Corporation, The.
Surgical Products Inc., Lowell, Mass. Surgical hosiery. 511,225, June 21; Serial No. 536,462, published Mar. 15, 1949. Class 44.
Surprise Brassière Co., Inc.: *See*—
Nozan Brassière Co., Inc.
"Susse": *See*—
Dannenberg, Susse B.
Sweet-Orr & Co., Inc., New York and Wappinger Falls, N. Y. Men's pants and outer shirts. 511,183, June 21; Serial No. 631,055, published Mar. 8, 1949. Class 39.
Swift & Company: *See*—
Interstate Packing Company.
Squire, John P., & Company.
Tacoma Grain Company, Tacoma, by Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 243,064, June 12, 1928. Republished June 21. Class 46.
Tam O'Shanter Sportswear Co.: *See*—
Rosenberg Sydney.
Tanglefoot Company, The, Grand Rapids, Mich. Electrically heated steamer. 511,265, June 21; Serial No. 538,196, published Mar. 8, 1949. Class 21.
Taylor, H. P., Jr., Inc., Richmond, Va. Canned vegetables, beans with pork, vegetable soup, etc. 511,364, June 21; Serial No. 545,912, published Mar. 8, 1949. Class 46.
Taylor, James L., Manufacturing Company, New York, N. Y. Machines for continuously gluing stripe or boards together. 442,929, June 21; Serial No. 514,916, published Mar. 1, 1949. Class 23.
Teague-McKevett Association: *See*—
Teague-McKevett Company.
Teague-McKevett Company, by Teague-McKevett Association, Santa Paula, Calif. Fresh citrus fruits. 233,801, Oct. 11, 1927. Republished June 21. Class 46.
Tennessee Mineral Products Corporation, Spruce Pine, N. C., by United Feldspar & Minerals Corporation, New York, N. Y. Ground feldspar. 272,004, June 24, 1930. Republished June 21. Class 1.
Tension Envelope Company, Inc., New York and Brooklyn, by Tension Envelope Corporation, New York, N. Y. Mailing envelopes. 185,305, June 17, 1924. Republished June 21. Class 37.
Tension Envelope Corporation: *See*—
Tension Envelope Company, Inc.
Texas Vegetable Exchange, Harlingen, Tex. Fresh tomatoes. 511,532, June 21; Serial No. 521,096. Class 46.
Thompson-Hayward Chemical Company, Kansas City, Mo. Insecticides. 436,570, Feb. 10, 1948. Republished June 21. Class 6.
Thornhill-Craver Company, Inc., Houston, Tex. Pipe unions and fittings. 511,195, June 21; Serial No. 532,380, published Mar. 8, 1949. Class 13.
Tintz Company, Chicago, Ill. Hair rinse, hair coloring, hair color touch-up pencil, etc. 511,302, June 21; Serial No. 541,052, published Mar. 8, 1949. Class 6.
Toastawell Company, Incorporated, The, St. Louis, Mo. Electric toasters. 511,332, June 21; Serial No. 542,491, published Mar. 15, 1949. Class 21.
Toesies Company, The, Chicago, Ill. Pocket-like stocking toe protector. 442,015, June 21; Serial No. 501,003, published Mar. 9, 1948. Class 39.
Torach, C. B.: *See*—
Peerless Oyster Co.
Touraine Company, Inc., New York, N. Y. Knitted suits, sweaters, jackets, skirts, etc. 370,946, Sept. 12, 1939. Republished June 21. Class 39.
Touraine Company, Inc., New York, N. Y. Girls' sportwear. 371,116, Sept. 19, 1939. Republished June 21. Class 39.
Touraine Company, Inc., New York, N. Y. Knitted suits, sweaters, jackets, etc. 373,347, Dec. 5, 1939. Republished June 21. Class 39.
Townsend Company, The, New Brighton, Pa. Ship-rivets. 124,790, Mar. 11, 1919. Republished June 21. Class 13.

Transparent Package Company, Chicago, Ill. Sausage casings and containers for meat food products. 354,684, Feb. 22, 1938. Republished June 21. Class 2.
Trapp, Ross, Salt Lake City, Utah. Permanent wave machine. 511,380, June 21; Serial No. 547,072, published Feb. 22, 1949. Class 44.
Trilling and Montague, Philadelphia, Pa. Portable electric space heaters. 442,920, June 21; Serial No. 507,553, published Mar. 15, 1949. Class 21.
Tri-Plex Shoe Company, Boston, Mass. Boots and shoes. 157,225, July 25, 1922. Republished June 21. Class 39.
Trommer, John F., Inc., Brooklyn, N. Y. Beer. 511,335, June 21; Serial No. 542,686, published Mar. 1, 1949. Class 48.
Twin City Wholesale Grocer Co., St. Paul, Minn. Overalls for men and women. 511,329, June 21; Serial No. 542,423, published Mar. 8, 1949. Class 39.
Twin City Wholesale Grocer Co., St. Paul, Minn. Synthetic food coloring materials. 511,487, June 21; Serial No. 561,169, published Feb. 15, 1949. Class 6.
Two Steeples Limited, Wigston Magna, England. Yarns of wool, worsted, or hair. 511,488, June 21; Serial No. 561,698, published Feb. 8, 1949. Class 43.
Uncas Manufacturing Company, Providence, R. I. Jewelry and dress ornaments. 511,512, June 21; Serial No. 542,695. Class 28.
Union Wire Rope Corporation, Kansas City, Mo. Slings formed of wire rope or cable. 511,483, June 21; Serial No. 559,190, published Feb. 8, 1949. Class 7.
United Feldspar & Minerals Corporation: *See*—
Tennessee Mineral Products Corporation.
United Lace & Braid Company, Cranston, R. I. Shoe laces and corset laces. 511,120, June 21; Serial No. 509,746, published Jan. 18, 1949. Class 40.
United Specialties Company, The, Chicago, Ill. Air cleaners for engines, dust separators, and classifiers. 403,945, Oct. 20, 1943. Republished June 21. Class 23.
United States Rubber Company, New York, N. Y. Rubber inner tubes for tires. 511,524, June 21; Serial No. 553,997. Class 35.
U. S. Sanitary Specialties Corporation, Chicago, Ill. Preparation having disinfecting and deodorizing properties. 511,486, June 21; Serial No. 560,235, published Mar. 8, 1949. Class 6.
United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 206,046, Nov. 24, 1925. Republished June 21. Class 22.
Upland Citrus Ass'n, by Upland Citrus Association (1923), Upland, Calif. Oranges and grapefruit. 81,647, Apr. 25, 1911. Republished June 21. Class 46.
Upland Citrus Ass'n, by Upland Citrus Association (1923), Upland, Calif. Fresh oranges and grapefruit. 83,297, Aug. 29, 1911. Republished June 21. Class 46.
Upland Citrus Ass'n, by Upland Citrus Association (1923), Upland, Calif. Oranges. 85,927, Mar. 26, 1912. Republished June 21. Class 46.
Upland Citrus Association (1923): *See*—
Upland Citrus Ass'n.
Upland Lemon Growers Association, Upland, Calif. Fresh citrus fruit. 202,453, Aug. 25, 1925. Republished June 21. Class 46.
Upland Lemon Growers Association, Upland, Calif. Fresh citrus fruit. 202,694, Sept. 1, 1925. Republished June 21. Class 46.
Upland Lemon Growers Association, Upland, Calif. Fresh citrus fruit. 207,982, Jan. 12, 1926. Republished June 21. Class 46.
Valentine Laboratories, Inc., Chicago, Ill. Vitamin preparations. 402,123, June 29, 1943. Republished June 21. Class 6.
Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. 511,157, June 21; Serial No. 527,660, published Feb. 1, 1949. Class 37.
Van Camp Sea Food Co., Inc., Terminal Island, Calif. Refined fish oil. 376,405, Mar. 26, 1940. Republished June 21. Class 46.
Varcraft Works, Inc.: *See*—
Brown, Frank H.
Vermont Marble Company, Proctor, Vt. Marble, semi-finished, and finished marble stones. 258,780, renewed July 16, 1949. O. G. June 21. Class 1.
Vermont Marble Company, Proctor, Vt. Processed gray marble. 511,465, June 21; Serial No. 556,785, published Mar. 8, 1949. Class 12.
Vermont Marble Company, Proctor, Vt. Processed black marble. 511,466, June 21; Serial No. 556,736, published Mar. 8, 1949. Class 12.
Virginia-Carolina Chemical Company, Jersey City, N. J., Richmond and Norfolk, Va., and elsewhere, to Virginia-Carolina Chemical Corporation, Richmond, Va. Fertilizers. 75,327, re-renewed Sept. 21, 1949. O. G. June 21. Class 10.
Virginia-Carolina Chemical Corporation: *See*—
Virginia-Carolina Chemical Company.
Virginia-Carolina Chemical Corporation, Richmond, Va. Dishwashing cleanser. 511,475, June 21; Serial No. 558,188, published Mar. 15, 1949. Class 4.
Visalia Stock Saddle Company: *See*—
Potter, Sheldon E.
Volunteer Portland Cement Company, Wilmington, Del., and Knoxville, Tenn., to Volunteer Portland Cement Company, Knoxville, Tenn. Portland cement. 261,810–11, renewed Sept. 24, 1949. O. G. June 21. Class 12.
Voyd Manufacturing Company, Inc., The, Birmingham, Ala. Face creams, talcum powders, face-powders, etc. 406,166, Mar. 14, 1944. Republished June 21. Class 6.
Wadsworth Electric Mfg. Co., Inc., The, Covington, Ky. Show-case lighting assemblies and parts thereof. 306,466, Sept. 19, 1933. Republished June 21. Class 21.
Wadsworth Electric Mfg. Co., Inc., The, Covington, Ky. Electric switches, electric fuse boxes, and combined switch and fuse block structures, etc. 390,004, Sept. 2, 1941. Republished June 21. Class 21.
Waldburger, Grant & Co., Inc., New York, N. Y. Gingham in the piece. 511,401, June 21; Serial No. 502,425, published Mar. 1, 1949. Class 42.
Waldensian Bakeries, Inc.: *See*—
Waldensian Baking Company.
Waldensian Baking Company, by Waldensian Bakeries, Inc., Valdese, N. C. Bread. 328,977, Oct. 15, 1935. Republished June 21. Class 46.
Walgreen Co., doing business as Carrel, Chicago, by Carrel, Ltd., Chicago, Ill. Deodorant. 353,557, Jan. 11, 1938. Republished June 21. Class 6.
Walgreen Co., Chicago, Ill. Golf balls. 368,093, June 6, 1939. Republished June 21. Class 22.
Walgreen Co., Chicago, Ill. Coated laxative pellets. 399,980, Feb. 9, 1943. Republished June 21. Class 6.
Walgreen Co., Chicago, Ill. Sun tan liquid. 410,611, Sept. 25, 1945. Republished June 21. Class 6.
Wallace, George N., New York, N. Y. Watches and parts thereof. 406,178–9, Sept. 19, 1944. Republished June 21. Class 27.
Ward Products Corporation, The, Cleveland, Ohio. Radio antenna. 511,340, June 21; Serial No. 542,983, published Mar. 15, 1949. Class 21.
Warner, William R., & Co., Inc., New York, N. Y. Vitamin composition. 442,922, June 21; Serial No. 511,122, published Feb. 1, 1949. Class 6.
Warren, W., Thread Works, Inc., Westfield, Mass. Spool cotton. 511,442, June 21; Serial No. 553,147, published Mar. 1, 1949. Class 43.
Webb, J. A., Belting Co., Inc., Buffalo, N. Y. Machine belting. 204,131, Oct. 6, 1925. Republished June 21. Class 35.
Webb, J. A., Belting Co., Inc., Buffalo, N. Y. Leather belt filler. 234,922, Nov. 8, 1927. Republished June 21. Class 4.
Webb, J. A., Belting Co., Inc., Buffalo, N. Y. Leather-belt cement, both general and waterproof. 235,535, Nov. 22, 1927. Republished June 21. Class 5.
Well Equipment Mfg. Corp., Houston, Tex. Pipe unions, thread protectors, clamp handles, etc. 442,944–5, June 21; Serial Nos. 520,073–4, published Mar. 1, 1949. Class 18.
Wells Lamont Corporation, Chicago, Ill. Work gloves. 511,218, June 21; Serial No. 535,013, published Feb. 22, 1949. Class 39.
Wells Lamont Corporation, Chicago, Ill. Work gloves. 511,219, June 21; Serial No. 535,915, published Feb. 22, 1949. Class 39.
Werk, Julius N., Fabrics, Inc., New York, N. Y. Rayon piece goods. 442,919, June 21; Serial No. 507,170, published Oct. 14, 1947. Class 42.
Werk, M., Company, The, St. Bernard, Ohio. Soap. 511,301, June 21; Serial No. 540,948, published Sept. 14, 1948. Class 4.
Western Auto Supply Company, Kansas City, Mo. Cleaning and polishing fluid. 442,907, June 21; Serial No. 487,234, published Mar. 15, 1949. Class 16.
Western Chemical Company, St. Joseph, Mo. Liquid cleaner, restorative, and preservative. 511,191, June 21; Serial No. 532,076, published Mar. 15, 1949. Class 4.
Western Clock Mfg. Co., The, La Salle, Ill., by General Time Instruments Corporation, New York, N. Y. Clocks and watches. 72,178, Jan. 5, 1909. Republished June 21. Class 27.
Western Tablet & Stationery Corporation, Dayton, Ohio. Notebooks. 511,169, June 21; Serial No. 529,424, published Mar. 8, 1949. Class 37.
Whaites, J. L., Phoenix, Ariz. Fresh vegetables. 403,486, Sept. 28, 1943. Republished June 21. Class 46.
White Oak Coal Co., The, MacDonald, by The New River Company, Mount Hope, W. Va. Coal. 55,108, Aug. 7, 1906. Republished June 21. Class 1.
White Oak Coal Company, assignor to The New River Company, by The New River Company, Mount Hope, W. Va. Coal and coke. 411,037, Feb. 13, 1945. Republished June 21. Class 1.
Whiting-Adams Company, Inc., Boston, Mass. Oval varnish brushes. 437,166, Mar. 9, 1948. Republished June 21. Class 29.
Whitman Laboratories: *See*—
Louisiana Drug Company, Inc.
Whittingham, John C., doing business as El Paso Products Company, Colorado Springs, Colo. Publications. 511,443, June 21; Serial No. 553,326, published Mar. 1, 1949. Class 38.
White Fish Products Company, Inc., Seattle, Wash. Canned shellfish and canned fish. 433,061, Sept. 23, 1947. Republished June 21. Class 46.
Wildroot Co., Inc., Buffalo, N. Y. Preparation for hair. 511,497, June 21; Serial No. 484,228. Class 6.
Williams, Arthur K., doing business as The "Host Post" Company, Cleveland Heights, Ohio. Electric lantern. 511,407, June 21; Serial No. 548,204, published Mar. 15, 1949. Class 21.

Willys-Overland Motors, Inc.: *See*—
Overland Automobile Company.
Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Fertilizers and fertilizer materials. 279,641, Jan. 20, 1931. Republished June 21. Class 10.
Wilson & Toomer Fertilizer Co., Jacksonville, Fla. Fertilizer and fertilizer materials. 319,510, Nov. 27, 1934. Republished June 21. Class 10.
Wimelbacher & Rice Inc., New York, N. Y. Fabric gloves and kid gloves. 511,278, June 21; Serial No. 539,001, published Mar. 15, 1949. Class 39.
Wineberg, Henry J., doing business as National Program Service, Chicago, Ill. Publication. 511,353, June 21; Serial No. 544,417, published Mar. 8, 1949. Class 38.
Wolfenden, Harry C., doing business as R. Wolfenden & Sons, by R. Wolfenden & Sons, Attleboro, Mass. Yarn. 385,813, Mar. 18, 1941. Republished June 21. Class 43.
Wolfenden, R., & Sons: *See*—
Wolfenden, Harry C.
Wolsey Limited, Leicester, England. Stockings, socks, hose, etc. 442,957, June 21; Serial No. 524,385, published Mar. 1, 1949. Class 39.
Woodland Hosiery Mills, Cheltenham, Pa. Hosiery. 442,948, June 21; Serial No. 519,913, published Mar. 15, 1949. Class 39.
Woolworth, F. W., Co., New York, N. Y. Snap fasteners. 511,446, June 21; Serial No. 553,768, published Jan. 25, 1949. Class 40.
Wright's Underwear Corporation, New York, N. Y. Men's, women's, and children's knitted wear. 511,238, June 21; Serial No. 537,122, published Mar. 1, 1949. Class 39.
Yolande Corporation, New York, N. Y. Women's and misses' nightgowns and pajamas. 511,509, June 21; Serial No. 540,133. Class 39.
Youthcraft Creations, Inc., New York, N. Y. Foundation garments, corsets, girdles, brassières, and underwear for women. 511,517, June 21; Serial No. 550,004. Class 39.
Z. B. Yarn Mills, Union City, by Z. B. Yarn Mills, Inc., West New York, N. J. Cotton, rayon, wool, worsted, and tinsel yarns and threads. 248,862, Oct. 30, 1928. Republished June 21. Class 43.
Z. B. Yarn Mills, Inc.: *See*—
Z. B. Yarn Mills.
Zibell Industries: *See*—
Zibell, Jules S.
Zibell, Jules S., doing business as Zibell Industries, Decatur, Ga. Wardrobes. 511,175, June 21; Serial No. 530,276, published Mar. 1, 1949. Class 32.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. O'Gara Coal Company. 199,179, June 2, 1925. Republished June 21.
Coal. Old Ben Coal Corporation. 511,188, June 21; Serial No. 531,708, published Mar. 15, 1949.
Coal. The White Oak Coal Co. 55,108, Aug. 7, 1906. Republished June 21.
Coal and coke. White Oak Coal Company. 411,937, Feb. 13, 1945. Republished June 21.
Cotton batting. The Stearns & Foster Company. 511,417, June 21; Serial No. 549,373, published Mar. 15, 1949.
Feldspar, Ground. Tennessee Mineral Products Corporation. 272,004, June 24, 1930. Republished June 21.
Granite, Blocks of. F. L. Smith & Co. 351,376, Oct. 26, 1937. Republished June 21.
Grit for poultry feed, Calcite. Harry T. Campbell Sons' Corporation. 402,098, June 29, 1943. Republished June 21.
Marble, semi-finished and finished marble stones. Vermont Marble Company. 253,780, renewed July 16, 1949. O. G. June 21.
Resins, Synthetic. Shell Chemical Corporation. 511,413, June 21; Serial No. 549,179, published Mar. 15, 1949.

CLASS 2

Bags, Paper. The Anchor Paper Company. 204,875, Oct. 27, 1925. Republished June 21.
Casings, Sausage, and containers for meat food products. Transparent Package Company. 354,684, Feb. 22, 1938. Republished June 21.
Containers in the nature of bottles, Empty metal. E. Heidelbauer. 511,163, June 21; Serial No. 528,475, published Mar. 22, 1949.

CLASS 3

Cases, Leather and simulated leather carrying. Farrington Manufacturing Company. 511,494, June 21; Serial No. 571,075, published Mar. 1, 1949.
Cases, Toilet or dressing, overnight bags, and fitted hand baggage. Lehn & Fink Products Corporation. 511,474, June 21; Serial No. 558,143, published Mar. 8, 1949.
Cases, Zipper brief, brief cases. Stationers' Guild of America. 511,311, June 21; Serial No. 541,372, published Jan. 18, 1949.
Handbags and purses, Ladies' and girls'. Friedman-Lobel, Inc. 511,482, June 21; Serial No. 559,098, published Mar. 8, 1949.
Handbags and purses, Ladies' and girls'. Friedman-Lobel, Inc. 511,485, June 21; Serial No. 559,507, published Feb. 1, 1949.
Handbags, Ladies'. A. Banner, Inc. 511,459, June 21; Serial No. 555,795, published Jan. 18, 1949.
Luggage. Crown Luggage Co. Inc. 511,441, June 21; Serial No. 552,752, published Mar. 15, 1949.
Luggage. Lido Luggage Co., Inc. 300,925, Feb. 14, 1933. Republished June 21.
Luggage. Rice-Stix Dry Goods Company. 511,529, June 21; Serial No. 561,343.
Purses, Women's. Castle Purses. 511,476, June 21; Serial No. 558,217, published Feb. 1, 1949.
Saddles and parts thereof. S. E. Potter. 511,123, June 21; Serial No. 511,498, published Mar. 8, 1949.
Saddles and parts thereof. S. E. Potter. 511,124, June 21; Serial No. 511,499, published Jan. 18, 1949.
Wallets, bill folds, pocketbooks, and ladies' handbags. Aristocrat Leather Products, Inc. 511,481, June 21; Serial No. 558,990, published Feb. 1, 1949.

CLASS 4

Cleaner. The Slick-Shine Company. 511,492, June 21; Serial No. 563,283, published Mar. 15, 1949.
Cleaner for floors, walls, woodwork, and dishes, Liquid. Essential Chemicals Co. 439,982, Aug. 3, 1948. Republished June 21.
Cleaner, restorative, and preservative, Liquid. Western Chemical Company. 511,191, June 21; Serial No. 532,076, published Mar. 15, 1949.
Cleaning, Dishwashing. Virginia-Carolina Chemical Corporation. 511,475, June 21; Serial No. 558,188, published Mar. 15, 1949.
Cleaning compound. Philadelphia Quartz Company. 511,354, June 21; Serial No. 544,633, published May 25, 1948.
Cleaning, washing, and scouring preparation. B. Heller & Company. 193,789, Jan. 8, 1925. Republished June 21.
Compounds for dissolving grease and oil. Moto-Sway Corporation of America. 511,412, June 21; Serial No. 548,988, published Mar. 15, 1949.
Filler, Leather belt. J. A. Webb Belting Co., Inc. 234,922, Nov. 8, 1927. Republished June 21.
Preparation in liquid, cream, and paste form for cleaning and polishing shoes. Griffin Manufacturing Company, Inc. 511,385, June 21; Serial No. 547,338, published Mar. 15, 1949.
Preparation in liquid form for washing cages and perches. Spratt's Patent (America) Limited. 259,759, renewed Aug. 6, 1949. O. G. June 21.
Soap. McCoy, Jones & Westlake, Inc. 347,384, June 22, 1937. Republished June 21.
Soap. The M. Werk Company. 511,301, June 21; Serial No. 540,948, published Sept. 14, 1948.
Soap, Toilet. Muhlens & Kropff. 72,521, re-renewed Feb. 2, 1949. O. G. June 21.
Soaps. Ernst Bischoff Co. Inc. 259,977, renewed Aug. 13, 1949. O. G. June 21.
Soaps. P. P. Mulhens. 250,565, renewed Dec. 11, 1948. O. G. June 21.
Stones, Abrasive resurfacer. Ideal Industries, Inc. 432,605, Sept. 9, 1947. Republished June 21.
Washing powder. B. Heller & Company. 200,874, July 7, 1925. Republished June 21.

CLASS 5

Cement, Leather-belt, both general and waterproof. J. A. Webb Belting Co., Inc. 235,535, Nov. 22, 1927. Republished June 21.
Paste suitable for use with wall paper and like products. Iago Wall Paper Corporation. 422,467, July 23, 1946. Republished June 21.

CLASS 6

Bate for leather and skins, Artificial. Société Rapidase. 253,493, renewed Feb. 26, 1949. O. G. June 21.
Bleach solution, Laundry. Glo-Rite Chemical Company. 442,906, June 21; Serial No. 484,838, published Dec. 17, 1946.
Bluing, Concentrated liquid laundry. B. Heller & Company. 334,601, May 12, 1936. Republished June 21.
Chemical dressstuffs. Fairy Dyes Limited. 442,948, June 21; Serial No. 520,501, published Mar. 8, 1949.
Chemical preparation. B. Heller & Company. 172,347, Aug. 28, 1923. Republished June 21.
Chemical preparation. B. Heller & Company. 189,403, Sept. 16, 1924. Republished June 21.

Chemical preparation for use in curing meat. B. Heller & Company. 386,263, Apr. 1, 1941. Republished June 21.
Chemicals. Algin Products Corporation. 261,692, renewed Sept. 24, 1949. O. G. June 21.
Citric acid. Hawaiian Pineapple Company, Ltd. 511,246, June 21; Serial No. 537,454, published Mar. 8, 1949.
Coca and quinine syrup, rubbing alcohol compound, etc. Louisiana Drug Company, Inc. 511,434, June 21; Serial No. 551,116, published Mar. 8, 1949.
Coloring pigment dispersed in a soluble base. Harwick Standard Chemical Company. 511,127, June 21; Serial No. 513,885, published Mar. 8, 1949.
Condensation products of phenol and formaldehyde. L. H. Baekeland. 75,266, re-renewed Sept. 14, 1949. O. G. June 21.
Cosmetic preparations. Carrel, Ltd. 426,337, Dec. 24, 1946. Republished June 21.
Cream, Eyelid, and eye lotion. Beautymasters of Beverly Hills, Inc. 511,428, June 21; Serial No. 550,301, published Mar. 8, 1949.
Dentifrice. Albert L. Calder Company, Incorporated. 323,972, May 7, 1935. Republished June 21.
Dentifrices. E. Fougera & Co., Inc. 260,780, renewed Aug. 27, 1949. O. G. June 21.
Deodorant. Walgreen Co. 353,557, Jan. 11, 1938. Republished June 21.
Developers, Photographic. Eastman Kodak Company. 249,625, Nov. 20, 1928. Republished June 21.
Diuretic preparations. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft. 252,503, renewed Feb. 12, 1940. O. G. June 21.
Douche powder, Therapeutic. Ortho Products, Inc. 413,789, May 15, 1945. Republished June 21.
Eau de cologne water, perfumery, hair tonics, etc. P. P. Mulhens. 250,322, renewed Dec. 4, 1948. O. G. June 21.
Embalming fluid. The Embalmers' Supply Company, Inc. 261,571, renewed Sept. 17, 1949. O. G. June 21.
Eradicator in dry form, Soot. E. M. Butler. 511,122, June 21; Serial No. 509,914, published Mar. 8, 1949.
Exterminator, Rodent. B. E. Miller. 511,502, June 21; Serial No. 521,746.
Face and talcum powders, rouge, lip stick, etc. Joubert Cie., Inc. 260,283, renewed Aug. 20, 1949. O. G. June 21.
Face creams, talcum powders, face-powders, etc. The Voyd Manufacturing Company, Inc. 406,166, Mar. 14, 1944. Republished June 21.
Face powder and perfume. National Toilet Company. 410,689, Dec. 12, 1944. Republished June 21.
Face powder, talcum powder, foot powder, etc. C. R. Spicer. 254,485, renewed Mar. 26, 1949. O. G. June 21.
Finger and water waving compound and fluid. Alladin Cosmetic Company. 254,920, renewed Apr. 2, 1940. O. G June 21.
Fire-extinguishing chemicals. Du-Gas Fire Extinguisher Corporation. 278,057, Dec. 2, 1930. Republished June 21.
Food coloring materials, Synthetic. Twin City Wholesale Grocer Co. 511,487, June 21; Serial No. 561,169, published Feb. 15, 1949.
Food colors. B. Heller & Company. 193,520, Dec. 30, 1924. Republished June 21.
Foot powders, and lotions, Antiseptic and medicated, etc. The Scholl Mfg. Co., Inc. 511,379, June 21; Serial No. 547,040, published Mar. 8, 1949.
Hair dressing and straightener. A. Overton. 261,044, Sept. 3, 1929. Republished June 21.
Hair dressing and straightener, Liquid, antiseptic mouth wash and gargle, hair tonic, etc. National Toilet Company. 432,340, Sept. 2, 1947. Republished June 21.
Hair rinse, hair coloring, hair color touch-up pencil, etc. Tints Company. 511,302, June 21; Serial No. 541,052, published Mar. 8, 1949.
Inorganic chemicals. The Barrett Company. 320,510, Jan. 1, 1935. Republished June 21.
Insecticide. B. Heller & Company. 122,475, Aug. 20, 1918. Republished June 21.
Insecticide preparation. B. Heller & Company. 424,220, Sept. 24, 1946. Republished June 21.
Insecticides. McCormick & Co., Incorporated. 439,833, July 27, 1948. Republished June 21.
Insecticides. Thompson-Hayward Chemical Company. 436,570, Feb. 10, 1948. Republished June 21.
Insecticides and fungicides. The Farm Bureau Cooperative Association, Inc. 511,313, June 21; Serial No. 541,660, published Mar. 15, 1949.
Insecticides, meatcuring preparations and compounds, food colors, etc. B. Heller & Company. 182,819, Apr. 15, 1924. Republished June 21.
Insecticides, meatcuring preparations and compounds, food colors, etc. B. Heller & Company. 229,125, June 21, 1927. Republished June 21.
Lactose preparation. Smith, Kline & French Company. 257,737, renewed June 18, 1949. O. G. June 21.
Line of toilet preparations. Plough Chemical Company. 261,716, renewed Sept. 24, 1949. O. G. June 21.
Lotion, Antiseptic suntan. McKesson & Robbins, Incorporated. 423,847, Sept. 10, 1946. Corrected. O. G. June 21.
Lotion for hands. Chamberlain Medicine Co. 261,414, Sept. 17, 1929. Republished June 21.
Lotion for the relief of distress caused by poison ivy, etc. Stonestreet Chemicals, Inc. 511,209, June 21; Serial No. 534,681, published Mar. 8, 1949.
Lotion, Hand, face lotion, shaving lotion, etc. Laboratorios Annecy, S. A. 442,969, June 21; Serial No. 478,426.
Medicinal preparation. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft. 251,263, renewed Jan. 1, 1949. O. G. June 21.
Medicinal preparation. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft. 254,054–5, renewed Mar. 12, 1949. O. G. June 21.
Medicinal preparation. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft. 254,305, renewed Mar. 19, 1949. O. G. June 21.
Medicinal preparation. Pepper-Grenald Labs. 511,493, June 21; Serial No. 567,615, published Mar. 8, 1949.
Medicine. E. Bilhuber, Inc. 249,687, renewed Nov. 20, 1946. O. G. June 21.
Medicine in tablet form. G. W. Slaughter. 75,260, renewed Sep. 14, 1949. O. G. June 21.
Mineral and like additions. The Farm Minerals Company, Inc. 511,418, June 21; Serial No. 549,428, published Feb. 22, 1949.
Ointment, Cream. National Toilet Company. 46,466, Sept. 19, 1905. Republished June 21.
Pellets, Coated laxative. Walgreen Co. 399,980, Feb. 9, 1943. Republished June 21.
Perfume, perfume bases extracted from flowers, etc. Laboratorios de Productos de Belleza, Ireane Darie S. A. 442,946, June 21; Serial No. 520,283, published July 27, 1948.
Perfumes. P. D. St. John. 391,245, Oct. 28, 1941. Republished June 21.
Perfumes, fragrant essences, fragrant extracts, etc. Georg Schicht, A. G., Aussig. 270,217, Apr. 29, 1930. Republished June 21.
Pharmaceutical, Liquid. Phil Kalech, Inc. 511,484, June 21; Serial No. 550,229, published Mar. 8, 1949.
Pharmaceutical preparation. Ortho Pharmaceutical Corporation. 439,457, June 29, 1948. Republished June 21.
Phamaceutical preparations. Dr. A. K. Petrusapotheke. 238,883, renewed Feb. 14, 1948. O. G. June 21.
Poison, Rat and mice. H. W. Fay. 442,914, June 21; Serial No. 496,410, published Mar. 8, 1949.
Poison, Rat or mice, bed-bug destroyer, and roach-destroyer. B. Heller & Co. 111,727, Aug. 1, 1916. Republished June 21.
Preparation consisting of a combination of oxidised unconjugated bile acids. Endo Products Inc. 389,772, Aug. 19, 1941. Republished June 21.
Preparation for alleviating discomforts of excess stomach acidity and improving the appetite. E. C. De Witt & Company. 32,134, Nov. 8, 1898. Republished June 21.
Preparation for hair. Wildroot Co., Inc. 511,497, June 21; Serial No. 484,223.
Preparation for the treatment and relief of coughs due to colds. Ormont Drug & Chemical Co., Inc. 442,905, June 21; Serial No. 476,879, published July 22, 1947.
Preparation for use in the treatment of spastic conditions. Chicago Pharmacal Company. 401,440, May 18, 1943. Republished June 21.
Preparation having disinfecting and deodorizing properties. U. S. Sanitary Specialties Corporation. 511,486, June 21; Serial No. 560,235, published Mar. 8, 1949.
Preparation to be used as an additive. Garry Laboratories, Inc. 511,358, June 21; Serial No. 545,472, published Aug. 3, 1948.
Rouge, lipstick, face powder, nail polish, etc. Princess Pat, Ltd. 442,918, June 21; Serial No. 503,936, published Feb. 3, 1948.
Salve, Antiseptic. Dressolline Manufacturing Company. 252,531, Feb. 12, 1929. Republished June 21.
Serum, Clear refined anti-hog-cholera, anti-hog-cholera serum, hog-cholera virus, etc. Globe Laboratories. 172,660, Sept. 11, 1923. Republished June 21.
Shampoo, rinse for hair, rinse for clothes, lipstick, rouge, face powder, etc. Glam-R-Girl Cosmetic Co. 442,917, June 21; Serial No. 503,897, published Nov. 4, 1947.
Silicate of soda. Philadelphia Quartz Company. 511,387, June 21; Serial No. 547,401, published Mar. 8, 1949.
Starch, Liquid. Chemicals, Inc. 440,182, Aug. 17, 1948. Republished June 21.
Sun tan liquid. Walgreen Co. 416,611, Sept. 25, 1945. Republished June 21.
Syrup, Pectoral. Drug Products Co. Inc. 254,866, renewed Apr. 2, 1949. O. G. June 21.
Tonic builder, General. Intravenous Products Co. of America, Inc. 206,389, Jan. 14, 1930. Republished June 21.
Vaginal creams and jellies. Ortho Products, Inc. 390,141, Sept. 9, 1941. Republished June 21.
Vaginal douche. Ortho Pharmaceutical Corporation. 423,077, Aug. 20, 1946. Republished June 21.
Vaginal jelly, Antiseptic. C. B. Hagaman. 381,872, Oct. 15, 1940. Republished June 21.
Veterinarian remedy. M. McGillicuddy. 511,431, June 21; Serial No. 550,537, published Mar. 8, 1949.
Vitamin composition. William R. Warner & Co., Inc. 442,922, June 21; Serial No. 511,122, published Feb. 1, 1949.

Vitamin preparation in capsule form. A. H. Robins Company. 511,471, June 21; Serial No. 557,466, published Aug. 17, 1948.
Vitamin preparation, Therapeutic. Cerophyl Laboratories, Inc. 395,893, June 16, 1942. Republished June 21.
Vitamin preparation, Therapeutic. Cerophyl Laboratories, Inc. 397,420, Sept. 8, 1942. Republished June 21.
Vitamin preparations. Valentine Laboratories, Inc. 402,123, June 29, 1943. Republished June 21.

CLASS 7

Ribbon made of rayon and cellophane, etc. Fibre Cord Division of Kary-Safe Paper Bag Co., Inc. 442,938–9, June 21; Serial Nos. 518,288–9, published Feb. 17, 1948.
Rope and twine, Fiber. John Flocker and Company. 511,156, June 21; Serial No. 527,017, published Feb. 22, 1949.
Rope, Manilla. The Edwin H. Fitler Co. 511,511, June 21; Serial No. 542,199.
Rope, Wire. Macwhyte Company. 511,202, June 21; Serial No. 533,331, published Feb. 22, 1949.
Slings formed of wire rope or cable. Union Wire Rope Corporation. 511,483, June 21; Serial No. 559,190, published Feb. 8, 1949.
Twine. Chase Bag Company. 511,477, June 21; Serial No. 558,488, published Feb. 8, 1949.

CLASS 10

Fertilizer. The Barrett Company. 367,134, May 9, 1939. Republished June 21.
Fertilizer and fertilizer materials. Wilson & Toomer Fertilizer Co. 319,510, Nov. 27, 1934. Republished June 21.
Fertilizers. Virginia-Carolina Chemical Company. 75,327, re-renewed Sept. 21, 1949. O. G. June 21.
Fertilizers and fertilizer materials. Wilson & Toomer Fertilizer Co. 279,041, Jan. 20, 1931. Republished June 21.
Fertilizers, Chemical. The Barrett Company. 319,532, Nov. 27, 1934. Republished June 21.

CLASS 12

Awnings, Metal or wood Venetian blind type of. H. L. Johnson. 511,500, June 21; Serial No. 502,697.
Cement, Portland. Volunteer Portland Cement Company. 261,810–11, renewed Sept. 24, 1949. O. G. June 21.
Compound for sealing of expansion or contraction joints in concrete road, street, and airport pavements. The Flintkote Company. 438,254, Apr. 13, 1948. Republished June 21.
Lumber. Cadwallader-Gibson Co., Inc. 212,065, Apr. 27, 1926. Republished June 21.
Lumber. Cadwallader-Gibson Co., Inc. 212,079–80, Apr. 27, 1926. Republished June 21.
Lumber. Cadwallader-Gibson Co., Inc. 215,861, July 27, 1926. Republished June 21.
Machined or polished blocks or slabs of granite. E. L. Smith & Co. 351,631, Nov. 2, 1937. Republished June 21.
Marble, Processed black. Vermont Marble Company. 511,466, June 21; Serial No. 556,736, published Mar. 8, 1949.
Marble, Processed gray. Vermont Marble Company. 511,465, June 21; Serial No. 556,735, published Mar. 8, 1949.
Mixture of aggregate bonded with asphalt. Andresen Corporation. 511,126, June 21; Serial No. 513,285, published Feb. 22, 1949.
Molding strips, Plain and grooved metallic, and trimming ribbon elements. The Colotrym Company. 511,227, June 21; Serial No. 536,587, published Mar. 8, 1949.
Plaster, Wall. Nu-Wall Manufacturing Company. 442,970, June 21; Serial No. 485,263.
Porcelain materials, Light gauge non-carbon steel. Higgins Industries, Inc. 434,666, Dec. 2, 1947. Republished June 21.
Roofing and siding, Corrugated steel sheet. Granite City Steel Company. 511,527, June 21; Serial No. 556,439.
Roofing, Composition roll, composition shingles and strip shingles, waterproof roofing and building paper. The Flintkote Company. 250,528, Dec. 11, 1928. Republished June 21.
Roofing shingles, Asphaltic composition. The Flintkote Company. 248,265, Oct. 16, 1928. Republished June 21.
Roofing shingles, Asphaltic composition. The Flintkote Company. 248,278, Oct. 16, 1928. Republished June 21.
Roofing shingles, Asphaltic composition. The Flintkote Company. 250,643, Dec. 11, 1928. Republished June 21.
Sealing compounds, Non-hardening plastic. Greene, Tweed & Co. 511,271, June 21; Serial No. 538,531, published Mar. 8, 1949.
Shutters, Metallic. J. E. Bush. 511,440, June 21; Serial No. 532,634, published Mar. 1, 1949.
Spackling compound. Rutland Fire Clay Company. 511,308, June 21; Serial No. 541,188, published Mar. 8, 1949.
Stones and artificial stones for building purposes, cement, lime, etc. Chemische Fabrik Gruenau Landshoff & Meyer Aktiengesellschaft. 284,005, renewed Mar. 12, 1949. O. G. June 21.

CLASS 13

Chains. The Billings & Spencer Company. 511,343, June 21; Serial No. 543,352, published Mar. 8, 1949.
Chains. Peerless Chain Company. 511,304, June 21; Serial No. 533,607, published Mar. 1, 1949.
Closers, Door. Norton Lasier Company. 511,172, June 21; Serial No. 530,088, published Mar. 8, 1949.
Fittings, Metal pipe. The Cleveland Heater Company. 317,539. Sept. 25, 1934. Republished June 21.
Flush tank balls. Scully Rubber Manufacturing Co. 511,513, June 21; Serial No. 544,118.
Hooks, hitches, and clamps. Interlock Corporation. 511,327, June 21; Serial No. 542,319, published Mar. 8, 1949.
Pipe and fittings therefor, Cast iron. American Cast Iron Pipe Company. 511,273, June 21; Serial No. 538,702, published Mar. 8, 1949.
Seats, Toilet. Sperzel Company. 511,187, June 21; Serial No. 531,625, published Feb. 22, 1949.
Ship-rivets. The Townsend Company. 124,790, Mar. 11, 1919. Republished June 21.
Spikes, Metal railway. Inland Steel Company. 511,254, June 21; Serial No. 537,800, published Mar. 8, 1949.
Spouts, Aluminum pouring. Seal-Spout Corporation. 511,207, June 21; Serial No. 533,929, published Mar. 1, 1949.
Steam traps, air traps, gasoline and oil pressure regulating valves, etc. Strong, Carlisle & Hammond Company. 511,247, June 21; Serial No. 537,485, published Mar. 8, 1949.
Unions and fittings, Pipe. Thornhill-Craver Company, Inc. 511,195, June 21; Serial No. 532,380, published Mar. 8, 1949.
Unions, Pipe, thread protectors, clamp handles, etc. Well Equipment Mfg. Corp. 442,944–5, June 21; Serial Nos. 520,073–4, published Mar. 1, 1949.
Utensils, Stainless steel cooking. Peter-Foti. 511,189, June 21; Serial No. 531,942, published Mar. 8, 1949.
Valve caps, Tire, and tire valve cores. The Pep Boys, Manny, Moe & Jack. 511,234, June 21; Serial No. 536,949, published Mar. 8, 1949.
Washers, Lock, and screw and lock washer assemblies. Eaton Manufacturing Company. 511,515, June 21; Serial No. 545,972.

CLASS 14

Fittings and alloys, Metallic. The Patrol Valve Company. 430,964, Aug. 3, 1948. Republished June 21.
Iron and steel. Lebanon Steel Foundry. 261,563, renewed Sept. 17, 1949. O. G. June 21.

CLASS 16

Calcimine. F. J. Cooledge & Sons, Inc. 330,315, Nov. 26, 1935. Republished June 21.
Cleaning and polishing fluid. Western Auto Supply Company. 442,907, June 21; Serial No. 487,284, published Mar. 15, 1949.
Coating composition, Liquid. Stetson Paint & Varnish Company. 511,292, June 21; Serial No. 539,777, published Feb. 8, 1949.
Coating compositions, Synthetic resin. Monsanto Chemical Company. 511,344, June 21; Serial No. 543,509, published Mar. 15, 1949.
Coatings and finishes, Protective. Eastern States Paint and Varnish Company. 511,140, June 21; Serial No. 522,013, published Mar. 15, 1949.
Coatings and linings, Protective and corrosion-resistant. Hell Process Equipment Corp. 511,312, June 21; Serial No. 541,541, published Mar. 15, 1949.
Enamels, Paint. Armstrong Paint & Varnish Works. 511,260, June 21; Serial No. 538,076, published Mar. 15, 1949.
Oils for use on floors, furniture, and woodwork. The Pure Oil Company. 511,154, June 21; Serial No. 527,284, published Mar. 15, 1949.
Paint and paint enamel. Stetson Paint & Varnish Company. 511,291, June 21; Serial No. 539,772, published Mar. 15, 1949.
Paint and paint enamel in liquid form. Minnesota Linseed Oil Paint Company. 511,289, June 21; Serial No. 539,598, published Jan. 25, 1949.
Paint, Ready mixed, varnishes, and paint enamels. Armstrong Paint & Varnish Works. 511,250, June 21; Serial No. 538,066, published Mar. 15, 1949.
Paint sold in liquid form. Patek Brothers, Inc. 511,224, June 21; Serial No. 536,429, published Mar. 15, 1949.
Paints, Enamel, ready-mixed paints, colors in oil, etc. F. H. Brown. 128,020, Dec. 23, 1919. Republished June 21.
Paints, Paste and ready-mixed, paint enamels, varnishes, etc. Grand Rapids Paint and Enamel Company. 255,844, renewed Apr. 30, 1949. O. G. June 21.
Paints, Ready-mixed and priming, paint enamels, varnishes, etc. Interchemical Corporation. 442,950, June 21; Serial No. 520,948, published Mar. 15, 1949.
Paints; varnishes; lacquers; etc. W. W. Lawrence & Company. 511,275, June 21; Serial No. 538,781, published Mar. 15, 1949.
Paints; varnishes; paint enamels; etc. W. W. Lawrence & Company. 511,274, June 21; Serial No. 538,772, published Mar. 15, 1949.
Polish, Furniture. H. H. Griffin. 511,378, June 21; Serial No. 546,992, published Mar. 15, 1949.

Seal and finish, Wood floor, liquid wood floor seal, etc. The Diversey Corporation. 511,211, June 21; Serial No. 534,882, published Mar. 15, 1949.
Shellac, Gasket; rubber based white tire coating, etc. John T. Stanley Company, Inc. 511,356, June 21; Serial No. 544,923, published Mar. 15, 1949.
Stains and paints, Wood. W. W. Lawrence & Company. 511,276, June 21; Serial No. 538,701, published Mar. 15, 1949.
Varnish. Armstrong Paint & Varnish Works. 511,261, June 21; Serial No. 538,078, published Mar. 15, 1949.
Varnish, paint, and paint enamel. Stetson Paint & Varnish Company. 511,293, June 21; Serial No. 539,788, published Mar. 15, 1949.
Varnish, ready-mixed paints, and paint enamels. F. J. Cooledge & Sons, Inc. 330,316, Nov. 26, 1935. Republished June 21.
Waxes, polishes, and oils, Floor. Janitors Supply House, Incorporated. 511,403, June 21; Serial No. 547,995, published Mar. 15, 1949.

CLASS 17

Cigars. Sociedad Anonima Romeo y Julieta, Fabrica de Tabacos. 238,275, renewed July 2, 1949. O. G. June 21.

CLASS 19

Automobiles. Overland Automobile Company. 72,436, Jan. 26, 1909. Republished June 21.
Sailboats. H. D. Brainard. 384,460, Jan. 21, 1941. Republished June 21.

CLASS 20

Coverings, Rubber floor. The Goodyear Tire & Rubber Company. 511,162, June 21; Serial No. 528,448, published Feb. 1, 1949.
Linoleum, oil cloth, and felt base, floor, wall, shelf, and furniture covering, etc. W. & J. Sloane. 442,959, June 21; Serial No. 525,038, published Jan. 25, 1949.
Tiles, Asphalt floor. Mastic Tile Corporation of America. 511,323, June 21; Serial No. 542,148, published Feb. 22, 1949.

CLASS 21

Batteries, Automobile. Laber Spring and Tire Corporation. 511,283, June 21; Serial No. 539,178, published Sept. 7, 1948.
Batteries, Storage. Continental Tire Corporation. 286,142, Aug. 18, 1931. Republished June 21.
Batteries, Storage. Prest-O-Lite Storage Battery Corporation. 261,105, Sept. 3, 1929. Republished June 21.
Cable, Bushed flexible metallic cable or conduit and flexible non-metallic cable conduit, or tube. 511,287, June 21; Serial No. 539,504, published Mar. 15, 1949.
Condensers, Ceramic. Erie Resistor Corporation. 440,661, Sept. 14, 1948. Republished June 21.
Conductors and cables, Insulated electrical. Noma Electric Corporation. 511,421, June 21; Serial No. 549,743, published Mar. 15, 1949.
Conductors, Electrical. Sprague Specialties Company. 404,942, Dec. 28, 1943. Republished June 21.
Controls for electric switches, Electric. The Federal Gauge Company. 245,654, Aug. 21, 1928. Republished June 21.
Dynamotors, generators, inverted rotary converters and motor generators. Pioneer Gen-E-Motor Corporation. 342,559, Jan. 19, 1937. Republished June 21.
Electrical apparatus. A. S. Aloe Company. 511,159–60, June 21; Serial Nos. 528,179–80, published Mar. 8, 1949.
Electrical apparatus. Electro Manufacturing Corporation. 511,165, June 21; Serial No. 528,950, published Mar. 15, 1949.
Fan and electric space heater, Combination electric. 511,168, June 21; Serial No. 529,069, published Dec. 14, 1948.
Floodlights, Electric. Benjamin Electric Manufacturing Company. 511,144, June 21; Serial No. 523,733, published Mar. 8, 1949.
Generators, electric motors, dynamotors, etc. Pioneer Gen-E-Motor Corporation. 358,949, July 26, 1938. Republished June 21.
Generators, electric motors, dynamotors, etc. Pioneer Gen-E-Motor Corporation. 411,610, Jan. 23, 1945. Republished June 21.
Generators, Electrostatic. High Voltage Engineering Corporation. 511,426, June 21; Serial No. 550,043, published Mar. 15, 1949.
Generators, motors, dynamotors, etc. Pioneer Gen-E-Motor Corporation. 353,098, Dec. 28, 1937. Republished June 21.
Heaters, Portable electric space. Trilling and Montague. 442,920, June 21; Serial No. 507,553, published Mar. 15, 1949.
Illuminating fixture, Electrical. Fairchild Camera & Instrument Corporation. 442,963, June 21; Serial No. 525,578, published Mar. 15, 1949.
Lantern, Electric. A. K. Williams. 511,407, June 21; Serial No. 548,204, published Mar. 15, 1949.
Light fixtures, Electric ornamental, electrically illuminated Christmas tree ornaments and electrically illuminated imitation candles. Burklite Mfg. Co., Inc. 511,818, June 21; Serial No. 541,915, published Mar. 15, 1949.
Lighting assemblies and parts thereof, Show-case. The Wadsworth Electric Mfg. Co., Inc. 306,466, Sept. 19, 1933. Republished June 21.
Lighting fixtures, Fluorescent electrically operated floor lamps, etc. Mitchell Manufacturing Company. 511,119, June 21; Serial No. 508,489, published Mar. 15, 1949.
Magneto-dynamo apparatus and small magnetos for lighting purposes. Magnetos Lucifer, Societe Anonyme. 442,913, June 21; Serial No. 497,317, published Mar. 8, 1949.
Motors, Electric. The Lincoln Electric Company. 511,810, June 21; Serial No. 541,309, published Mar. 8, 1949.
Pail, Electric. Electromaster, Inc. 511,256, June 21; Serial No. 537,883, published Mar. 8, 1949.
Phonographs and parts thereof, etc., Electrical. H. D. Parsons. 511,404, June 21; Serial No. 548,018, published Mar. 8, 1949.
Radio antenna. The Ward Products Corporation. 511,340, June 21; Serial No. 542,983, published Mar. 15, 1949.
Radio receiving sets. The Hallicrafters Co. 511,355, June 21; Serial No. 544,729, published Mar. 15, 1949.
Radio receiving sets and combination phonographs and radio receiving sets. General Phoenix Corporation. 511,320, June 21; Serial No. 542,110, published Mar. 15, 1949.
Radio-receiving sets, Cabinet and table model, etc. The Cussins and Fearn Company. 511,423, June 21; Serial No. 549,907, published Mar. 15, 1949.
Recording paper, Electro-sensitive facsimile. Finch Telecommunications, Inc. 511,424, June 21; Serial No. 549,919, published Mar. 8, 1949.
Reproducers. The Baldwin Company. 442,961, June 21; Serial No. 525,182, published Mar. 15, 1949.
Spark plugs. Auburn Spark Plug Co., Inc. 511,388, June 21; Serial No. 546,172, published Mar. 8, 1949.
Spotlights. Arnolt Corporation. 511,401, June 21; Serial No. 547,815, published Mar. 8, 1949.
Steamer, Electrically heated. The Tanglefoot Company. 511,265, June 21; Serial No. 538,196, published Mar. 8, 1949.
Switches, Electric, electric fuse boxes and combined switch and fuse block structures, etc. The Wadsworth Electric Mfg. Co. 390,004, Sept. 2, 1941. Republished June 21.
Toasters, Electric. The Toastswell Company, Incorporated. 511,332, June 21; Serial No. 542,491, published Mar. 15, 1949.
Transducers, Permanent magnet dynamic. Permoflux Corporation. 410,450, Nov. 28, 1944. Republished June 21, 1949.
Transducers, Permanent magnet dynamic. Permoflux Corporation. 410,463, Nov. 28, 1944. Republished June 21, 1949.
Transmitters, Radio, radio receivers, electrical oscillators, etc. Hazeltine Electronics Corporation. 511,114, June 21; Serial No. 480,462, published Mar. 8, 1949.
Welding guns and parts thereof, Electric stud. Nelson Specialty Welding Equipment Corporation. 442,911, June 21; Serial No. 466,097, published Mar. 8, 1949.
Wires for electrical connections, Lead. The Federal Gauge Co. 244,015, July 24, 1928. Republished June 21.

CLASS 22

Bowling alleys and parts thereof, bowling pin-setters and parts thereof, and newel posts for bowling ball racks. The Brunswick-Balke Collender Company. 405,385, Jan. 25, 1944. Republished June 21.
Fishing lines. United States Whip Company. 206,046, Nov. 24, 1925. Republished June 21.
Footballs and basketballs. Bay State Sports. 511,507, June 21; Serial No. 536,340.
Footballs, basketballs, soccer ball, etc. Olympic Sporting Goods Company, Inc. 511,519, June 21; Serial No. 550,825.
Golf bags. The Oshkosh Trunk Company. 250,566, renewed Dec. 11, 1948. O. G. June 21.
Golf balls. Walgreen Co. 368,093, June 6, 1939. Republished June 21.
Golf clubs. General Machine Company. 439,854, July 27, 1948. Republished June 21.
Toy vehicle, Child's. Martin Manufacturing Company. 511,508, June 21; Serial No. 540,084.

CLASS 23

Air cleaners for engines, dust separators, and classifiers. The United Specialties Company. 403,945, Oct. 26, 1943. Republished June 21.
Blades, Razor. Associated Merchandising Corporation. 511,266, June 21; Serial No. 538,342, published Mar. 8, 1949.
Chisels and screw drivers. The Stanley Works. 261,626, renewed Sept. 17, 1949. O. G. June 21.
Clippers, Electric hair. Electro Tool Corporation. 511,248, June 21; Serial No. 537,576, published Mar. 8, 1949.
Compressors for freezing liquids. Ed Friedrich, Inc. 353,085, Dec. 28, 1937. Republished June 21.
Cranes, Swinging or fixed boom mobile. The Hughes-Keenan Company. 511,214, June 21; Serial No. 535,037, published Mar. 1, 1949.
Cutters, Milling. Midwestern Tool Company. 433,556, Oct. 21, 1947. Republished June 21.

Engines, Internal combustion, and automotive accessories and parts. Carter Carburetor Corporation. 439,662, July 13, 1948. Republished June 21.
Fire-extinguishing apparatus, Portable hand. Du-Gas Fire Extinguisher Corporation. 279,372, Jan. 13, 1931. Republished June 21.
Holders for rotatably supporting drilling, boring, reaming, and tapping tools. McCrosky Tool Corporation. 442,932, June 21; Serial No. 516,089, published Mar. 1, 1949.
Lathes and screw machines, Automatic. Cone Automatic Machine Company Inc. 362,745, Nov. 29, 1938. Republished June 21.
Lawn mowers and parts thereof, Hand and engine driven, garden tractors, sprayers, and pumps. Pioneer-Gen-E-Motor Corporation. 418,507, Jan. 1, 1946. Republished June 21.
Lawn mowers, Power, hand lawn mowers, and garden tractors, and parts thereof. Pioneer Gen-E-Motor Corporation. 439,741–2, July 20, 1948. Republished June 21.
Machines for continuously gluing strips boards together. James L. Taylor Manufacturing Company. 442,929, June 21; Serial No. 514,915, published Mar. 1, 1949.
Motors, Individual outboard boat. Evinrude Motor Company. 256,522, renewed May 21, 1949. O. G. June 21.
Planes, Wood working. The Stanley Works. 261,590, renewed Sept. 17, 1949. O. G. June 21.
Rolls, Squeezing, constructed of rubber adapted for use chiefly in laundry and textile machines, paper machinery, etc. American Wringer Company, Inc. 259,193, renewed July 23, 1949. O. G. June 21.
Shovels, cranes, and drag lines, Gasoline. Speeder Machinery Corporation. 227,947, May 17, 1927. Republished June 21.
Tape-serving machines. Better Packages, Inc. 261,440, renewed Sept. 17, 1949. O. G. June 21.
Tools; machines. Perfect Circle Corporation. 511,241, June 21; Serial No. 537,231, published Mar. 8, 1949.
Tools, Pneumatic. Ideal Industries, Inc. 431,618, July 29, 1947. Republished June 21.
Turbine-pump heads, Deep-well. Peerless Pump Company. 258,321, renewed July 2, 1949. O. G. June 21.
Vending machines, Coin-controlled automatic food and commodity. A. H. T. Manufacturing Corporation. 440,352, Aug. 24, 1948. Republished June 21.

CLASS 25

Latches, Vehicle door. The American Swiss Company. 511,161, June 21; Serial No. 528,395, published Feb. 15, 1949.
Locks. Master Lock Company. 511,125, June 21; Serial No. 511,632, published Feb. 8, 1949.
Seals, Base metal. E. J. Brooks Company. 505,592, Jan. 11, 1949. Corrected. O. G. June 21.

CLASS 26

Goggles worn by swimmers, Under water. H. Schwartz. 442,971, June 21; Serial No. 487,338.
Ignition and control devices, Gas-range-burner. The Petrol Valve Company. 277,993, Dec. 2, 1930. Republished June 21.
Instruments for detecting the presence of flammable gases or vapors, Electrical. Jabes Burns & Sons, Inc. 439,677, July 13, 1948. Republished June 21.
Measuring instruments, Electronic, namely, volt-ohm-milliammeters. Electronic Measurements Corporation. 442,921, June 21; Serial No. 509,642, published Dec. 23, 1947.
Micrometers. J. T. Slocomb Company. 102,458, Feb. 9, 1915. Republished June 21.
Photographic equipment. Federal Manufacturing and Engineering Corp. 440,801, Sept. 28, 1948. Republished June 21.
Valves, Thermostatically-operated pressure-relief, thermostatically and pressure operated relief valves, etc. The Cleveland Heater Company. 256,688, renewed May 21, 1949. O. G. June 21.

CLASS 27

Clocks. Chelsea Clock Company. 258,353, renewed July 2, 1949. O. G. June 21.
Clocks and watches. The Western Clock Mfg. Co. 72,178, Jan. 5, 1909. Republished June 21.
Watches. Bulova Watch Company, Inc. 511,523, June 21; Serial No. 553,672.
Watches and parts of watches. Leonidas Watch Factory Vve. 226,196, Apr. 5, 1927. Republished June 21.
Watches and parts thereof. G. N. Wallace. 409,178–9, Sept. 19, 1944. Republished June 21.

CLASS 28

Clips, Money, necktie clasps, ornamental clips, etc. A. L. Levinson. 511,506, June 21; Serial No. 533,328.
Jewelry. Jack Kellmer Company. 442,936, June 21; Serial No. 517,139, published Aug. 31, 1948.
Jewelry. Mare's, Inc. 511,177, June 21; Serial No. 530,661, published Mar. 8, 1949.
Jewelry. Shiman Mfg. Co. Inc. 258,243, July 2, 1929. Republished June 21.
Jewelry and dress ornaments. Uncas Manufacturing Company. 511,512, June 21; Serial No. 542,695.
Necklaces, bracelets, rings, earrings, etc. Coro, Inc. 511,628, June 21; Serial No. 558,010.
Table ware, Silver, silver flatware, and silver hollow ware. Saks & Co. 250,908, renewed Dec. 18, 1948. O. G. June 21.
Watchstraps and watch bracelets. Leo Hellbrun Co., Inc. 511,505, June 21; Serial No. 531,798.

CLASS 29

Brooms. Atlantic Southwestern Broom Co. 511,367, June 21; Serial No. 546,276, published Jan. 11, 1949.
Brooms. Better Buy Wholesale Grocers. 511,142, June 21; Serial No. 522,187, published Feb. 22, 1949.
Brushes. Ox Fibre Brush Company, Inc. 511,362–3, June 21; Serial Nos. 546,759–60, published Jan. 11, 1949.
Brushes and brooms, toilet brushes, paint and varnish brushes, etc. Britton Brush Company Limited. 511,257, June 21; Serial No. 537,977, published Feb. 22, 1949.
Brushes, Artists'. M. Grumbacher Inc. 511,369, June 21; Serial No. 546,292, published Jan. 4, 1949.
Brushes, Hair. Lactona Incorporated. 511,333–6, June 21; Serial No. 542,595–8, published Jan. 4, 1949.
Brushes, Oval varnish. Whiting-Adams Company, Inc. 437,166, Mar. 9, 1948. Republished June 21.
Brushes, Paint. Delta Brush Mfg. Corp. 511,368, June 21; Serial No. 546,282, published Jan. 11, 1949.
Mops. California Cotton Mills Company. 511,351, June 21; Serial No. 544,262, published Jan. 4, 1949.

CLASS 31

Cabinets, Food freezer and frozen food storage. General Machine Company, Inc. 511,151, June 21; Serial No. 527,019, published June 1, 1948.
Coils, Refrigeration, ice-making coils, evaporative condensers, and freezing tunnels, etc. Refrigeration Engineering Inc. 442,910, June 21; Serial No. 495,191, published Mar. 8, 1949.
Compressors for freezing liquids. Ed Friedrich, Inc. 353,085, Dec. 28, 1937. Republished June 21.
Coolers, Dispensing. Glascock Brothers Mfg. Co. 306,811, Sept. 26, 1933. Republished June 21.
Engines, Internal combustion, and automotive accessories and parts. Carter Carburetor Corporation. 439,662, July 13, 1948. Republished June 21.
Filters, Engine oil. Business Collaborators, Incorporated. 511,152, June 21; Serial No. 527,234, published Mar. 8, 1949.
Filters, Oil. Wm. W. Nugent & Co., Inc. 511,249, June 21; Serial No. 537,610, published Mar. 8, 1949.
Refrigerators, water coolers, condensing units. Copeland Refrigeration Corporation. 511,244, June 21; Serial No. 537,426, published Mar. 8, 1949.
Vacuum precipitation process equipment. The Merrill Company. 511,294, June 21; Serial No. 539,971, published Mar. 8, 1949.

CLASS 32

Beds, bed springs, and mattresses. Southern Spring Bed Company. 261,690, renewed Sept. 24, 1949. O. G. June 21.
Blinds, Venetian. The Dickey Manufacturing Company. 511,230, June 21; Serial No. 536,770, published Mar. 8, 1949.
Chairs, Living room. T. Baumritter Co., Inc. 442,908, June 21; Serial No. 492,028, published Oct. 19, 1948.
Davenports, sofas, love seats, etc. S. Karpen & Bros. 511,324, June 21; Serial No. 542,209, published Mar. 1, 1949.
Furniture. Fort Smith Furniture Manufacturers' Company. 240,688, Apr. 3, 1928. Republished June 21.
Furniture. S. Karpen & Bros. 511,325, June 21; Serial No. 542,215, published Mar. 1, 1949.
Furniture, Household, and commercial lounge furniture. American Fixture and Manufacturing Co. 511,181, June 21; Serial No. 530,898, published Mar. 8, 1949.
Hassocks and slip covers. Crawford Manufacturing Co., Inc. 511,408, June 21; Serial No. 548,241, published Feb. 22, 1949.
Mattresses. The Stearns & Foster Company. 511,317, June 21; Serial No. 541,891, published Mar. 1, 1949.
Mirrors, Wall, hand mirrors, and mirrors in the nature of furniture. Semon Bache & Company. 511,386, June 21; Serial No. 547,384, published Mar. 8, 1949.
Racks, Letter, sorting tray, stationery separators, etc. Currier Manufacturing Co. 511,153, June 21; Serial No. 527,278, published Mar. 8, 1949.
Shades, Window. Joanna Western Mills Company. 511,233, June 21; Serial No. 536,793, published Mar. 8, 1949.
Springs, Box. Simmons Company. 511,415, June 21; Serial No. 549,283, published Mar. 8, 1949.
Stands, Smoking. Climax Machinery Company. 325,859, July 9, 1935. Republished June 21.
Wardrobes. J. S. Zibell. 511,175, June 21; Serial No. 530,276, published Mar. 1, 1949.

CLASS 33

Bottles, Glass beer. Brockway Glass Company, Inc. 381,448, Sept. 24, 1940. Republished June 21.
Tableware, Breakfast, luncheon, and dinner glass, and beverage glasses. Geo. Borgfeldt Corporation. 511,290, June 21; Serial No. 539,640, published Mar. 8, 1949.

CLASS 34

Air conditioning apparatus. The Cleveland Heater Company. 342,238, Jan. 12, 1937. Republished June 21.
Air conditioning units, coal fired, gas fired, and oil fired furnaces, burners, etc. Chrysler Corporation. 511,503, June 21; Serial No. 522,594.
Air conditioning units, coal fired, gas fired, and oil fired furnaces, burners, etc. Chrysler Corporation. 511,504, June 21; Serial No. 522,596.
Burners, Automatic coal. Iron Fireman Manufacturing Company. 252,678, renewed Feb. 12, 1940. O. G. June 21.
Heaters and their structural parts, Gas, oil, and vapor burning domestic hot-water-supply. The Cleveland Heater Company. 281,679, Mar. 24, 1931. Republished June 21.
Heaters and their structural parts, Gas, oil, and vapor burning water. The Cleveland Heater Company. 290,407–8, Jan. 5, 1932. Republished June 21.
Heaters, Gas, oil, and vapor burning water, hot-water heating systems, etc. The Cleveland Heater Company. 277,996, Dec. 2, 1930. Republished June 21.
Heaters, Hot-water, water-storage heaters, gas heating systems, etc. The Cleveland Heater Company. 214,345, June 22, 1926. Republished June 21.
Ignition and control devices, Gas-range-burner. The Petrol Valve Company. 277,993, Dec. 2, 1930. Republished June 21.

CLASS 35

Belting. The Goodyear Tire & Rubber Company. 97,840, June 23, 1914. Republished June 21.
Belting, Leather. Pfeiff Bros. 511,268, June 21; Serial No. 538,444, published Mar. 8, 1949.
Belting, Machine. J. A. Webb Belting Co., Inc. 204,131, Oct. 6, 1925. Republished June 21.
Hose, Air. Quaker Rubber Corporation. 511,450, June 21; Serial No. 554,607, published Mar. 15, 1949.
Hose, including welding hose. National Cylinder Gas Company. 511,360, June 21; Serial No. 545,516, published Mar. 8, 1949.
Packings, Mechanical. Pilot Packing Co., Inc. 511,467, June 21; Serial No. 556,914, published Mar. 8, 1949.
Sets, Brake lining. L. J. Miley Company. 511,184, June 21; Serial No. 531,351, published Mar. 8, 1949.
Tires, Pneumatic, solid rubber tires, and inner tubes. Cooper Tire & Rubber Company. 511,121, June 21; Serial No. 509,828, published Mar. 8, 1949.
Tubes for tires, Rubber inner. United States Rubber Company. 511,524, June 21; Serial No. 553,997.

CLASS 37

Cards, File and classification. Film 'N File, Inc. 511,422, June 21; Serial No. 549,795, published Mar. 8, 1949.
Covers, Book. The North American Press. 511,425, June 21; Serial No. 549,945, published Mar. 8, 1949.
Envelopes for greeting cards. A. Grossman. 442,923, June 21; Serial No. 511,147, published Feb. 8, 1949.
Envelopes, Mailing. Quality Park Envelope Company. 511,416, June 21; Serial No. 549,333, published Mar. 8, 1949.
Envelopes, Mailing. Tension Envelope Company, Inc. 185,395, June 17, 1924. Republished June 21.
Erasers, Rubber. Joseph Dixon Crucible Company. 511,396, June 21; Serial No. 547,532, published Feb. 15, 1949.
Forms, Partially printed business. Ditto, Incorporated. 511,350, June 21; Serial No. 544,065, published Feb. 8, 1949.
Lead-pencils, colored pencils, copying-pencils, etc. Bleistiftfabrik vormals Johann Faber Actien-Gesellschaft. 72,352, re-renewed Jan. 19, 1949. O. G. June 21.
Letterheads, bill heads, statements, etc. Howard Rush, Incorporated. 511,170, June 21; Serial No. 530,772, published Mar. 8, 1949.
Napkins, Paper. Erving Paper Mills. 511,370, June 21; Serial No. 546,475, published Mar. 1, 1949.
Napkins, Paper. Erving Paper Mills. 511,372–3, June 21; Serial Nos. 546,479–80, published Mar. 1, 1949.
Napkins, Paper. Erving Paper Mills. 511,375, June 21; Serial No. 546,488, published Mar. 1, 1949.
Napkins, Paper, paper table covers, and paper tray covers. Erving Paper Mills. 511,374, June 21; Serial No. 546,487, published Mar. 1, 1949.
Napkins, Paper, paper towels, and toilet tissue. Erving Paper Mills. 511,371, June 21; Serial No. 546,476, published Mar. 1, 1949.
Notebooks. Western Tablet & Stationery Corporation. 511,169, June 21; Serial No. 529,424, published Mar. 8, 1949.
Paper. Groveton Paper Company Inc. 146,241, Sept. 6, 1921. Republished June 21.
Paper. The Mutual Paper Co., Inc. 413,231, July 31, 1945. Republished June 21.
Paper, Bond. Dixon & Company. 511,339, June 21; Serial No. 542,821, published Mar. 8, 1949.
Paper, Bond. Fox River Paper Company. 321,583, Feb. 5, 1935. Republished June 21.
Paper, Bond. Fox River Paper Company. 334,811, May 12, 1936. Republished June 21.
Paper, Decorated letter. The Stanley Manufacturing Company. 406,551, Apr. 11, 1944. Republished June 21.
Paper, Glassine. The Glassine & Greaseproof Manufacturers Association. 511,496, June 21; Serial No. 537,172, published Mar. 8, 1949.
Paper, Oiled or plain. Hollingsworth & Whitney Company. 511,400, June 21; Serial No. 547,553, published Mar. 8, 1949.
Paper, Transparent gelatine. Mid-States Gummed Paper Co. 511,341, June 21; Serial No. 543,011, published Feb. 8, 1949.
Paper, Tray. Better Buy Wholesale Grocers. 511,141, June 21; Serial No. 522,185, published Mar. 8, 1949.
Paper, Waterproof wrapping and lining. National Waterproofing Company. 511,345, June 21; Serial No. 543,515, published Mar. 1, 1949.
Paper, Waxed or plain. Hollingsworth & Whitney Company. 511,399, June 21; Serial No. 547,552, published Mar. 8, 1949.
Paper, Wrapping. The Anchor Paper Company. 163,704, Jan. 23, 1923. Republished June 21.
Paper, Writing. Fox River Paper Co. 120,567, Feb. 19, 1918. Republished June 21.
Paper, Writing. Fox River Paper Company. 136,805, Nov. 9, 1920. Republished June 21.
Paper, Writing. Fox River Paper Company. 148,651, Nov. 22, 1921. Republished June 21.
Paper, Writing. Fox River Paper Company. 154,027, Apr. 4, 1922. Republished June 21.
Paper, Writing. Fox River Paper Company. 160,488, Oct. 24, 1922. Republished June 21.
Paper, Writing. Fox River Paper Company. 156,943, Apr. 17, 1923. Republished June 21.
Paper, Writing. Fox River Paper Company. 174,232, Oct. 9, 1923. Republished June 21.
Paper, Writing. Fox River Paper Company. 175,299, Nov. 6, 1923. Republished June 21.
Paper, Writing. Fox River Paper Company. 200,318, June 30, 1925. Republished June 21.
Paper, Writing, typewriter, and printing. Valley Paper Company. 511,157, June 21; Serial No. 527,660, published Feb. 1, 1949.
Papers, Bond, ledger paper, onion skin papers, etc. Fox River Paper Corporation. 308,484, June 20, 1939. Republished June 21.
Pen sets, Trisket paper, acetate tracing films, etc. Marsden, Inc. 511,263, June 21; Serial No. 538,153, published Mar. 1, 1949.
Pencils. Joseph Dixon Crucible Company. 511,395, June 21; Serial No. 547,531, published Feb. 15, 1949.
Pencils, Lead. Joseph Dixon Crucible Company. 511,245, June 21; Serial No. 537,436, published Mar. 1, 1949.
Pencils, Lead. Joseph Dixon Crucible Company. 511,391, June 21; Serial No. 547,525, published Feb. 8, 1949.
Pencils, Lead. Joseph Dixon Crucible Company. 511,393, June 21; Serial No. 547,528, published Feb. 8, 1949.
Pencils, Lead. Joseph Dixon Crucible Company. 511,394, June 21; Serial No. 547,530, published Mar. 8, 1949.
Pencils, Lead. Joseph Dixon Crucible Company. 511,397, June 21; Serial No. 547,533, published Feb. 15, 1949.
Pencils, Lead. Eagle Pencil Company. 61,620, Mar. 26, 1907. Republished June 21.
Pencils, Lead. Eagle Pencil Company. 298,471, Oct. 25, 1932. Republished June 21.
Pencils, Lead, and penholders. Joseph Dixon Crucible Company. 511,392, June 21; Serial No. 547,527, published Feb. 8, 1949.
Pencils, Lead, colored, slate and copying, mechanical pencils, etc. Bleistiftfabrik vormals Johann Faber Actien Gesellschaft. 71,572, re-renewed Dec. 1, 1948. O. G. June 21.
Pens and pencils. Eversharp, Inc. 511,347, June 21; Serial No. 543,587, published Mar. 1, 1949.
Pens, Fountain, ball pens and mechanical pens. Everlast Pen Corporation. 511,270, June 21; Serial No. 538,507, published Mar. 1, 1949.
Stationery and school supplies. Springfield Grocer Company. 511,288, June 21; Serial No. 539,574, published Mar. 8, 1949.
Stencils for duplicating machines. The H. E. Smith Company. 511,197, June 21; Serial No. 532,610, published Sept. 7, 1948.
Towels, Paper, paper napkins and toilet tissues. Strambel Paper Company. 511,150, June 21; Serial No. 526,620, published Mar. 1, 1949.

CLASS 38

Booklets, Printed. Fawcett Publications, Inc. 442,954, June 21; Serial No. 523,159, published Mar. 8, 1949.
Books. Rand McNally and Company. 511,139, June 21; Serial No. 521,927, published Mar. 1, 1949.
Cards, Greeting, printed greeting folders, calendars, etc. Norcross, Inc. 442,935, June 21; Serial No. 517,085, published Mar. 1, 1949.
Cards, Greeting, printed greeting folders, calendars, etc. Norcross, Inc. 511,432, June 21; Serial No. 550,822, published Mar. 8, 1949.
Cartoon strip. King Features Syndicate, Inc. 285,410, July 28, 1931. Republished June 21.
Cartoon strip, Newspaper. The Hearst Corporation. 413,440, Apr. 24, 1945. Republished June 21.
Cartoons. King Features Syndicate, Inc. 318,091, Oct. 30, 1934. Republished June 21.
Cartoons, Newspaper. King Features Syndicate, Inc. 331,709, Jan. 21, 1936. Republished June 21.

Comic stripe and newspaper columns. Busy Lee, Inc. 511,419, June 21; Serial No. 549,499, published Mar. 8, 1949.

Dictionaries. I. Efring. 511,427, June 21; Serial No. 550,148, published Mar. 1, 1949.

Folders, Printed. Sportsman Aid Corp. 511,337, June 21; Serial No. 542,675, published Mar. 1, 1949.

Labels, Identification. W. H. Brady Company. 511,498, June 21; Serial No. 494,011.

Magazine. Spokesman Publishing Company. 511,242, June 21; Serial No. 537,250, published Mar. 1, 1949.

Magazine, Monthly. Benevolent and Protective Order of Elks of the United States of America. 207,649, Jan. 5, 1926. Republished June 21.

Magazine, Monthly. Jacoba Sports Magazines, Inc. 511,118, June 21; Serial No. 508,082, published Mar. 8, 1949.

Magazine, Monthly. Lane Publishing Co. 511,453, June 21; Serial No. 554,985, published Mar. 1, 1949.

Magazine or periodical published monthly. Hillman Periodicals, Inc. 511,420, June 21; Serial No. 549,544, published Mar. 8, 1949.

Magazine (periodical). Hercules Powder Company. 511,463, June 21; Serial No. 556,719, published Mar. 8, 1949.

Newspaper section. Central Press Association, Inc. 309,150, Jan. 2, 1934. Republished June 21.

Newspapers. The Chicago Daily News, Inc. 251,988, Jan. 22, 1929. Republished June 21.

Periodical. The Davison Chemical Corporation. 440,454, Sept. 7, 1948. Republished June 21.

Periodical. Forecast Publishing Co., Inc. 511,452, June 21; Serial No. 554,891, published Mar. 1, 1949.

Periodical. Order of Railway Conductors of America. 511,464, June 21; Serial No. 556,728, published Mar. 1, 1949.

Prints, Processed color photographic. Chromart Laboratories. 442,958, June 21; Serial No. 524,686, published Mar. 8, 1949.

Publication. A. C. Becken Co. 511,377, June 21; Serial No. 546,902, published Mar. 8, 1949.

Publication. H. J. Wineberg. 511,353, June 21; Serial No. 544,417, published Mar. 8, 1949.

Publication, Monthly. D. J. Mendelsohn. 511,499, June 21; Serial No. 497,622.

Publication, Monthly. Quinn-Brown Publishing Corp. 511,580, June 21; Serial No. 563,133.

Publication, Printed musical. L. T. MacHose. 511,284, June 21; Serial No. 539,327, published Mar. 8, 1949.

Publications. J. C. Whittingham. 511,443, June 21; Serial No. 553,326, published Mar. 1, 1949.

Publications, Periodical. The Cleveland Heater Company. 259,478, July 30, 1929. Republished June 21.

Publications, Periodical. The Cleveland Heater Company. 276,187, Oct. 7, 1930. Republished June 21.

Section or department, Newspaper. The Hearst Corporation. 409,574, Oct. 10, 1944. Republished June 21.

Section or department, Newspaper. The Hearst Corporation. 410,777, Dec. 19, 1944. Republished June 21.

Section or department, Newspaper. The Hearst Corporation. 411,827, Feb. 6, 1945. Republished June 21.

Sections or cartoons, Newspaper. Central Press Association, Inc. 331,738, Jan. 21, 1936. Republished June 21.

Series of law books. American Legal Publications, Inc. 511,446–7, June 21; Serial Nos. 554,073–4, published Mar. 1, 1949.

Title of a weekly publication. Loeseleaf Education, Inc. 258,834, July 16, 1929. Republished June 21.

CLASS 39

Apparel for children and infants, Wearing. A. De Pinna Co., Inc. 151,736, Feb. 14, 1922. Republished June 21.

Apparel for women, Wearing. Peck & Peck. 511,516, June 21; Serial No. 548,754.

Apparel, Ladies' sports. Empire Imports, Inc. 511,235, June 21; Serial No. 537,030, published Mar. 8, 1949.

Boots and overshoes, Children's, misses', and junior misses'. Consolidated Footwear Corporation. 511,133, June 21; Serial No. 517,037, published Mar. 8, 1949.

Boots and overshoes, Misses', junior misses', and children's. Consolidated Footwear Corporation. 511,132, June 21; Serial No. 517,036, published Mar. 8, 1949.

Boots and shoes. Regal Shoe Company. 253,849, Mar. 5, 1929. Republished June 21.

Boots and shoes. Tri-Flex Shoe Company. 157,225, July 25, 1922. Republished June 21.

Boots, shoes, sandals, etc. Powell & Campbell, Inc. 511,185, June 21; Serial No. 531,367, published Feb. 22, 1949.

Braces, garters, and apparel belts. Hickok Manufacturing Co. Inc. 511,414, June 21; Serial No. 549,246, published Mar. 1, 1949.

Brassières. W. S. Maas, Inc. 511,522, June 21; Serial No. 553,499.

Brassières. Nusan Brassiere Co., Inc. 511,331, June 21; Serial No. 542,484, published Mar. 15, 1949.

Brassières. Nusan Brassiere Co., Inc. 511,348, June 21; Serial No. 543,651, published Mar. 15, 1949.

Clothing. Society Brand Clothes, Inc. 440,654, Sept. 14, 1948. Republished June 21.

Clothing, Children's. Standard Romper Co., Inc. 511,180, June 21; Serial No. 530,779, published Mar. 1, 1949.

Clothing, Men's, children's, and infants' cotton, namely, polo shirts and sweat shirts, sweaters, etc. S. Rosenberg. 442,940, June 21; Serial No. 519,097, published Nov. 18, 1947.

Clothing, Women's and children's. The J. L. Hudson Company. 511,525, June 21; Serial No. 554,117.

Clothing, Work. Michelson Manufacturing Company. 511,178, June 21; Serial No. 530,544, published Feb. 22, 1949.

Coats and coat linings, Men's and young men's. Spector Brothers, Inc. 511,264, June 21; Serial No. 538,188, published Mar. 1, 1949.

Coats and suits, Men's and women's, men's trousers, etc. A. Sagner's Son. 407,981, July 11, 1944. Republished June 21.

Coats, overcoats, topcoats, and raincoats, Men's. Harvard Clothing Co., Inc. 511,297, June 21; Serial No. 540,412, published Mar. 1, 1949.

Coats, sport coats, trousers, suits, and overcoats, Young men's and men's. Spector Brothers, Inc. 511,226, June 21; Serial No. 536,559, published Mar. 1, 1949.

Coats, suits, and dresses, Men's and women's. Wm. P. Goldman & Bros., Inc. 334,535, May 5, 1936. Republished June 21.

Coats, vests, trousers, and overcoats, Men's and boys'. Gibberman Bros. & Co. 287,181, Sept. 15, 1931. Republished June 21.

Coats, vests, trousers, knickerbockers, etc. J. Schoeneman, Inc. 511,198, June 21; Serial No. 532,543, published Mar. 1, 1949.

Collars. Cluett, Peabody & Co., Inc. 511,361, June 21; Serial No. 545,707, published Mar. 1, 1949.

Collars, sport shirts, sport jackets, etc., Men's. Phillips-Jones Corporation. 442,968, June 21; Serial No. 525,945, published Feb. 22, 1949.

Corsets, brassières, underdrawers, Women's, etc. Arkwright Merchandising Corporation. 340,782, Nov. 24, 1936. Republished June 21.

Corsets, girdles, and foundation garments. Mastercraft Foundations. 511,199, June 21; Serial No. 532,949, published Mar. 15, 1949.

Corsets, girdles, and foundation garments. Mastercraft Foundations. 511,200, June 21; Serial No. 532,952, published Mar. 15, 1949.

Corsets. S. Drew, Inc. 511,138, June 21; Serial No. 520,235, published Mar. 8, 1949.

Costumes, Dress-up masquerade. J. Halpern Company. 511,334, June 21; Serial No. 542,570, published Mar. 8, 1949.

Dress-shirts, sport-shirts, sweaters, etc., Men's. A. Dunsay. 511,510, June 21; Serial No. 540,179.

Dresses. Ruth Kay Dress Company, Inc. 511,501, June 21; Serial No. 506,669.

Dresses and suits for women. The Maternity Shop. 511,298, June 21; Serial No. 540,633, published Mar. 15, 1949.

Dresses, Ladies', misses', and children's. Morris & Company, Incorporated. 141,618, Apr. 26, 1921. Republished June 21.

Dresses, shirts, shorts, blouses, Women's, misses', and children's, etc. Straus, Royer & Strass, Inc. 300,541, Jan. 24, 1933. Republished June 21.

Dresses, slacks, outer shorts, Misses' and women's, etc. Straus, Royer & Strass, Inc. 378,738, June 18, 1940. Republished June 21.

Footwear. Lane Bryant Inc. 511,531, June 21; Serial No. 571,504.

Footwear. The B. F. Goodrich Company. 442,928, June 21; Serial No. 514,814, published Mar. 1, 1949.

Foundation garments. K & S Corset Manufacturing Co., Inc. 511,526, June 21; Serial No. 555,678.

Foundation garments, corsets, girdles, brassières, and underwear for women. Youthcraft Creations, Inc. 511,517, June 21; Serial No. 550,004.

Garters. A. Stein & Company. 75,265, re-renewed Sept. 14, 1949. O. G. June 21.

Gloves and mittens, Ladies' knit wool. Hansen Glove Corporation. 511,520–1, June 21; Serial Nos. 553,105–6.

Gloves and mittens, Men's and boys'. Bacmo Postman Corporation. 511,319, June 21; Serial No. 542,070, published Mar. 8, 1949.

Gloves, Fabric. Stott & Son Corporation. 511,128, June 21; Serial No. 514,144, published Mar. 15, 1949.

Gloves, Fabric, and kid gloves. Wimelbacher & Rice Inc. 511,278, June 21; Serial No. 539,001, published Mar. 15, 1949.

Gloves, Ladies'. Speare Glove Company, Inc. 511,438, June 21; Serial No. 552,094, published Mar. 1, 1949.

Gloves, Leather. V. Perrin & Cie. 74,670–1, re-renewed July 27, 1949. O. G. June 21.

Gloves, Rubber coated fabric work. Indianapolis Glove Company. 511,228, June 21; Serial No. 536,613, published Mar. 1, 1949.

Gloves, Work. Good Luck Glove Company. 511,167, June 21; Serial No. 529,027, published Mar. 15, 1949.

Gloves, Work. Wells Lamont Corporation. 511,218, June 21; Serial No. 535,913, published Feb. 22, 1949.

Gloves, Work. Wells Lamont Corporation. 511,219, June 21; Serial No. 535,915, published Feb. 22, 1949.

Hair nets. H. Bates Co., Inc. 511,430, June 21; Serial No. 550,480, published Mar. 8, 1949.

Hair nets. Hairnet Corporation of America. 511,436, June 21; Serial No. 551,801, published Mar. 1, 1949.

Hair nets. Morris, Mann, & Reilly, Inc. 511,429, June 21; Serial No. 550,424, published Mar. 8, 1949.

Handkerchiefs. Glendinning, McLeish & Co. Inc. 511,448, June 21; Serial No. 554,308, published Mar. 8, 1949.

Handkerchiefs. Heather Handkerchief Works Inc. 255,877, renewed Apr. 30, 1949. O. G. June 21.

Handkerchiefs. Peerless Wolfson Company. 511,342, June 21; Serial No. 543,321, published Mar. 1, 1949.

Handkerchiefs and scarfs. Carson-Deans & Co., Inc. 511,304, June 21; Serial No. 541,089, published Mar. 1, 1949.

Hosiery. Aberle, Inc. 511,253, June 21; Serial No. 537,775, published Feb. 22, 1949.

Hosiery. Davisville Hosiery Mill. 442,949, June 21; Serial No. 520,864, published Jan. 20, 1948.

Hosiery. Gotham Silk Hosiery Company, Inc. 197,024, Apr. 7, 1925. Republished June 21.

Hosiery. Gotham Silk Hosiery Company, Inc. 287,271, Sept. 15, 1931. Republished June 21.

Hosiery. Gotham Silk Hosiery Company, Inc. 388,095, June 10, 1941. Republished June 21.

Hosiery. Nelson Knitting Company. 511,192–3, June 21; Serial Nos. 532,152–3, published Mar. 1, 1949.

Hosiery. Rockwood Mills. 442,941, June 21; Serial No. 519,827, published Apr. 13, 1948.

Hosiery. Rockwood Mills. 442,942, June 21; Serial No. 519,831, published Apr. 13, 1948.

Hosiery. Roman Stripe Mills Inc. 253,953, renewed Mar. 12, 1949. O. G. June 21.

Hosiery. Woodland Hosiery Mills. 442,943, June 21; Serial No. 519,913, published Mar. 15, 1949.

Hosiery and underwear for men, women and children. A. Carson. 306,313, Sept. 12, 1933. Republished June 21.

Hosiery and underwear for men, women, and children, and neckties for men. A. Carson. 308,905, Dec. 26, 1933. Republished June 21.

Hosiery and underwear for men, women, and children, and neckties for men. Orbitex, Inc. 389,888, Aug. 26, 1941. Republished June 21.

Hosiery for women. Cooper, Wells & Co. 511,201, June 21; Serial No. 533,272, published Mar. 15, 1949.

Hosiery, Ladies'. Rayfel Hosiery Mills, Inc. 511,357, June 21; Serial No. 545,167, published Feb. 22, 1949.

Hosiery, Men's, ladies', and children's. Chester H. Roth Co. Inc. 442,930, June 21; Serial No. 515,636, published Mar. 1, 1949.

Knitted wear, Men's, women's, and children's. Wright's Underwear Corporation. 511,238, June 21; Serial No. 537,122, published Mar. 1, 1949.

Neckties and bow ties. S. Sherman. 511,210, June 21; Serial No. 534,826, published Mar. 1, 1949.

Nightgowns and pajamas, Women's and misses'. Yolande Corporation. 511,509, June 21; Serial No. 540,133.

Overalls for men and women. Twin City Wholesale Grocer Co. 511,529, June 21; Serial No. 542,423, published Mar. 8, 1949.

Overalls, Men's and boys'. Belk-Stevens Company. 511,137, June 21; Serial No. 519,917, published Feb. 22, 1949.

Overalls, work shirts, coats, jackets, and pants. Oshkosh B'Gosh, Inc. 511,479–80, June 21; Serial Nos. 558,917–18, published Mar. 15, 1949.

Overcoats and topcoats, Men's. Hickey-Freeman Company. 252,193, renewed Jan. 20, 1940. O. G. June 21.

Pants and outer shirts, Men's. Sweet-Orr & Co., Inc. 511,183, June 21; Serial No. 531,055, published Mar. 8, 1949.

Protector, Pocket-like stocking toe. The Toeales Company. 442,915, June 21; Serial No. 501,693, published Mar. 9, 1948.

Raincoats and hoods, Women's and misses'. Abraham & Straus, Inc. 511,131, June 21; Serial No. 516,944, published May 18, 1948.

Rubbers and rubber overshoes. Mishawaka Rubber and Woolen Manufacturing Company. 511,174, June 21; Serial No. 530,105, published Feb. 22, 1949.

Scarfs for women. Bonet. 511,435, June 21; Serial No. 551,763, published Mar. 8, 1949.

Scarves and fascinators. Brian Fabrics Corporation. 511,221, June 21; Serial No. 536,341, published Mar. 1, 1949.

Shirts and pajamas, Men's and boys' outer. The Hallmark Shirt Co., Inc. 442,964, June 21; Serial No. 525,827, published Mar. 1, 1949.

Shirts and pajamas, Men's and boys' outer. The Hallmark Shirt Co., Inc. 442,965, June 21; Serial No. 525,831, published Mar. 1, 1949.

Shirts and sport shirts, pajamas and shorts, Men's. Brewster Shirt Corp. 511,269, June 21; Serial No. 538,490, published Mar. 1, 1949.

Shirts, Boys' dress and sport, pajamas, pants, etc. The Birnie Company. 511,514, June 21; Serial No. 545,427.

Shirts, Men's outer dress, work and sport, etc. Phillips-Jones Corporation. 442,967, June 21; Serial No. 525,942, published Mar. 1, 1949.

Shirts, Men's outer, sport shirts, neckties, and pajamas. Phillips-Jones Corporation. 442,966, June 21; Serial No. 525,940, published Mar. 1, 1949.

Shirts, Men's, women's, and children's cowboy. L. Smith. 511,295, June 21; Serial No. 540,112, published Mar. 8, 1949.

Shirts, trousers, and jackets, Boys'. H. Frankenstein Company. 511,116, June 21; Serial No. 507,468, published Mar. 1, 1949.

Shirts, Wool, and wool jackets. The Johnson Company. 511,282, June 21; Serial No. 539,171, published Mar. 1, 1949.

Shoes. Consolidated Retail Stores, Inc. 511,158, June 21; Serial No. 527,703, published Feb. 22, 1949.

Shoes, The Fair. 511,223, June 21; Serial No. 536,363, published Mar. 8, 1949.

Shoes. Huiskamp Bros. Co. 442,924, June 21; Serial No. 511,392, published Mar. 15, 1949.

Shoes. Johansen Brothers Shoe Company, Inc. 511,220, June 21; Serial No. 536,092, published Mar. 1, 1949.

Shoes, Johnson, Stephens and Shinkle Shoe Company. 511,155, June 21; Serial No. 527,343, published Feb. 22, 1949.

Shoes. Dr. Reed Cushion Shoe Company. 511,190, June 21; Serial No. 532,058, published Mar. 1, 1949.

Shoes and slippers for ladies and children. T. Denenberg. 511,300, June 21; Serial No. 540,790, published Mar. 1, 1949.

Shoes, Leather, with rubber inserts or cushion in the soles. Endicott Johnson Corporation. 258,528, renewed July 9, 1940. O. G. June 21.

Shoes, Rubber and fabric sport. Mishawaka Rubber and Woolen Manufacturing Company. 511,173, June 21; Serial No. 530,099, published Mar. 1, 1949.

Shoes, Women's. O'Connor & Goldberg. 511,409, June 21; Serial No. 548,519, published Mar. 15, 1949.

Slacks, overalls, playsuits, etc. Straus, Royer & Strass, Inc. 383,601, Dec. 17, 1940. Republished June 21.

Slacks, shorts, sport coats, etc., Men's and women's. Lamm Brothers, Inc. 511,328, June 21; Serial No. 542,420, published Mar. 15, 1949.

Sleeping garments, Children's. Ronny Manufacturing Co. 511,186, June 21; Serial No. 528,955, published Mar. 15, 1949.

Slips, Ladies'. The Barbizon Corporation. 486,532–3, Feb. 10, 1948. Republished June 21.

Slips, nightgowns, pajamas, Ladies', etc. Leona Undergarment Co., Inc. 511,384, June 21; Serial No. 547,132, published Mar. 15, 1949.

Soles and heels, Rubber and composition. Essex Rubber Company. 511,296, June 21; Serial No. 540,268, published Mar. 8, 1949.

Sportwear, Girls'. Touraine Company, Inc. 371,116, Sept. 10, 1939. Republished June 21.

Sportswear, Ladies'. Casual Craft, Inc. 442,912, June 21; Serial No. 497,014, published Feb. 21, 1947.

Stockings, socks, hose, etc. Wolsey Limited. 442,957, June 21; Serial No. 524,365, published Mar. 1, 1949.

Suits and coats, Men's. Wm. P. Goldman & Bros., Inc. 363,408, Dec. 27, 1938. Republished June 21.

Suits and overcoats, Men's and youths'. Wm. P. Goldman & Bros. Inc. 131,124, May 4, 1920. Republished June 21.

Suits, coats, pants, Men's and young men's, etc. Marx & Haas-Korrekt Company. 511,203, June 21; Serial No. 533,464, published Mar. 8, 1949.

Suits, coats, trousers, overcoats, etc. Joseph Buhlick and Sons. 511,222, June 21; Serial No. 536,342, published Mar. 1, 1949.

Suits, coats, vests, etc., Men's and boys'. Louis Goldsmith, Inc. 511,321, June 21; Serial No. 542,114, published Mar. 8, 1949.

Suits, coats, vests, etc., Men's and boys'. Louis Goldsmith, Inc. 511,322, June 21; Serial No. 542,115, published Mar. 8, 1949.

Suits, Men's. Hickey-Freeman Company. 252,192, renewed Jan. 20, 1949. O. G. June 21.

Suits, overcoats, topcoats and trousers, Men's. Grossman Clothing Co. 511,231–2, June 21; Serial Nos. 536,777–8, published Mar. 1, 1949.

Suits, overcoats, topcoats, etc., Men's. Adolph Arons & Sons. 383,586, Dec. 17, 1940. Republished June 21.

Suits, Sack, sport suits, golf suits, etc. Hickey-Freeman Company. 511,277, June 21; Serial No. 538,916, published Mar. 1, 1949.

Suits, sport coats, slacks, Men's, etc. Wm. P. Goldman & Bros., Inc. 430,642, June 17, 1947. Republished June 21.

Suits, sweaters, jackets, etc., Knitted. Touraine Company, Inc. 373,347, Dec. 5, 1939. Republished June 21.

Suits, sweaters, jackets, skirts, Knitted, etc. Touraine Company, Inc. 370,946, Sept. 12, 1939. Republished June 21.

Suits, topcoats, and overcoats, Men's. The J. L. Hudson Company. 511,262, June 21; Serial No. 538,139, published Mar. 1, 1949.

Suits, top coats, overcoats, and pants, Men's. Ed. V. Price & Company. 511,206, June 21; Serial No. 533,921, published Mar. 1, 1949.

Suits, top coats, overcoats, etc., Boys'. Gladstone Bros. 511,285, June 21; Serial No. 539,410, published Mar. 8, 1949.

Suits, topcoats, overcoats, sport coats, and trousers, Men's. Regency Clothes. 511,243, June 21; Serial No. 537,861, published Mar. 1, 1949.

Sweater, bootees, leggings, Children's and infants', etc. Cloverdale Knitwear Corporation. 511,134, June 21; Serial No. 518,826, published Mar. 8, 1949.

Sweaters. S. B. Dannenberg. 442,952, June 21; Serial No. 521,382, published Feb. 22, 1949.

Swim suits, coats, jackets, etc. Gantner & Mattern Company. 442,926, June 21; Serial No. 513,044, published Mar. 1, 1949.

Swim suits, play suits, sun suits, etc. Gantner & Mattern Company. 511,171, June 21; Serial No. 529,782, published Mar. 8, 1949.
Topcoats and overcoats, Men's. Hickey-Freeman Company. 252,191, renewed Jan. 29, 1949. O. G. June 21.
Topcoats and overcoats, Men's. Hickey-Freeman Company. 252,281, renewed Jan. 29, 1949. O. G. June 21.
Underwear for men, women, and children, Knit and woven, and children's sleepers. P. H. Hanes Knitting Company. 511,239, June 21; Serial No. 537,184, published Feb. 22, 1949.
Underwear for men, women, and children, Knit and woven, and children's sleepers. P. H. Hanes Knitting Company. 511,240, June 21; Serial No. 537,186, published Feb. 22, 1949.
Underwear, Ladies'. Peerless Undergarment Co. 375,319, Feb. 13, 1940. Republished June 21.
Underwear, Men's and boys'. The Campe Corporation. 511,303, June 21; Serial No. 541,086, published Mar. 8, 1949.
Underwear, nightgowns, slips, Ladies', etc. Peerless Undergarment Co. 381,994, Oct. 15, 1940. Republished June 21.
Underwear, Women's and children's, pajamas, nightgowns, and men's undershirts and shorts. Kingboro Silk Mills, Inc. 511,411, June 21; Serial No. 548,866, published Mar. 1, 1949.
Uniforms, Industrial. Cohiman Cutler, Incorporated. 511,349, June 21; Serial No. 548,784, published Mar. 8, 1949.
Uniforms, Nurses', and women's, children's, and misses' dresses and aprons. Jacobs Brothers, Incorporated. 246,638, Sept. 11, 1928. Republished June 21.
Vests, Outer, and negligee and sport shirts. A. J. Izod, Limited. 245,045, renewed Aug. 7, 1948. O. G. June 21.

CLASS 40

Braids. Henry Pollak, Inc. 511,456, June 21; Serial No. 555,801, published Mar. 1, 1949.
Braids and woven tapes, narrow webbings, and narrow laces. International Braid Company. 511,205, June 21; Serial No. 533,899, published Mar. 8, 1949.
Buckles, belts, and slides. Hickok Manufacturing Co. Inc. 511,398, June 21; Serial No. 547,549, published Mar. 8, 1949.
Buckles, Shoe. ¶. Miller & Sons, Inc. 511,359, June 21; Serial No. 545,505, published Mar. 15, 1949.
Combs. Diadem, Inc. 511,439, June 21; Serial No. 552,321, published Mar. 8, 1949.
Combs. Diadem, Inc. 511,462, June 21; Serial No. 536,707, published Mar. 8, 1949.
Combs. S. & G. Rubber Company, Inc. 511,451, June 21; Serial No. 554,817, published Mar. 1, 1949.
Fabric, Narrow elastic. I. B. Kleinert Rubber Company, Inc. 440,228, Aug. 17, 1948. Republished June 21.
Fasteners, Snap. F. W. Woolworth Co. 511,445, June 21; Serial No. 553,763, published Jan. 25, 1949.
Hair pins. Diadem, Inc. 511,147, June 21; Serial No. 524,384, published Mar. 1, 1949.
Hairpins. The Hump Hairpin Mfg. Co. 233,603–5, renewed Mar. 5, 1949. O. G. June 21.
Laces, Shoe, and corset laces. United Lace & Braid Company. 511,120, June 21; Serial No. 509,745, published Jan. 18, 1949.
Needles. H. I. Lippard. 251,307, renewed Jan. 1, 1949. O. G. June 21.
Pins and hairpins of non-precious metal, etc. Kirby, Beard & Co. Ltd. 511,458, June 21; Serial No. 555,757, published Mar. 8, 1949.
Pins of non-precious metal. Kirby, Beard & Co., Ltd. 511,455, June 21; Serial No. 555,109, published Mar. 8, 1949.
Ruffings and ruchings. G., H. & E. Freydberg, Inc. 511,433, June 21; Serial No. 551,096, published Mar. 1, 1949.
Webbing. Narrow fabric. Bridgeport Fabrics, Inc. 511,129, June 21; Serial No. 514,176, published Mar. 1, 1949.

CLASS 41

Walking sticks and seats, Combination. Albin Johnson. 511,437, June 21; Serial No. 551,978, published Mar. 8, 1949.

CLASS 42

Curtains, Shower. House Beautiful Curtains, Inc. 442,933, June 21; Serial No. 516,284, published Feb. 8, 1949.
Duck, Cotton. John Boyle & Company, Incorporated. 247,816, Sept. 25, 1928. Republished June 21.
Fabric, Woven. Pedigree Fabrics, Inc. 442,947, June 21; Serial No. 520,296, published Feb. 8, 1949.
Fabrics. Goodal-Sanford, Inc. 511,489, June 21; Serial No. 561,823, published Feb. 8, 1949.
Fabrics, Cotton. Burton Bros. & Co. 32,631, re-renewed Mar. 28, 1949. O. G. June 21.
Fabrics in the piece, Knitted, netted and textile. Algemeene Kunstzijde Unie, N. V. 442,956, June 21; Serial No. 524,040, published Feb. 8, 1949.
Fabrics in the piece, Textile. Merrimac Mills Company. 511,178, June 21; Serial No. 530,754, published Feb. 8, 1949.
Fabrics in the piece, Textile, etc. W. & J. Sloane. 445,960, June 21; Serial No. 525,042, published Mar. 1, 1949.
Fabrics, Vestment. Allen Silk Mills. 511,130, June 21; Serial No. 514,678, published Mar. 1, 1949.
Fabrics, Waterproof. Schwarzwelder Company. 261,821, renewed Sept. 24, 1949. O. G. June 21.
Gingham in the piece. Waldburger, Grant & Co., Inc. 511,491, June 21; Serial No. 562,425, published Mar. 1, 1949.
Piece goods. Sir Jacob Behrens & Sons. 511,469, June 21; Serial No. 557,174, published Feb. 15, 1949.
Piece goods. Fine Woolen Company, Limited. 511,148, June 21; Serial No. 526,562, published Feb. 22, 1949.
Piece goods. Marvio Mills, Inc. 260,617, renewed Aug. 27, 1949. O. G. June 21.
Piece goods, Rayon. Julius N. Werk Fabrics, Inc. 442,919, June 21; Serial No. 507,170, published Oct. 14, 1947.
Piece goods, Silk. Liberty & Co., Limited. 511,468, June 21; Serial No. 557,049, published Feb. 15, 1949.
Piece goods, Woolen. American Woolen Company. 259,641, renewed Aug. 6, 1949. O. G. June 21.
Piece goods, Woolen. Forstmann & Huffmann Company. 274,898, Sept. 9, 1930. Republished June 21.
Piece goods, Woolen. Forstmann & Huffmann Company. 296,655, Aug. 16, 1932. Republished June 21.
Piece goods, Woolen. Forstmann Woolen Co. 353,352, Jan. 4, 1938. Republished June 21.
Piece goods, Woolen. Forstmann Woolen Company. 375,929, Mar. 5, 1940. Republished June 21.
Piece goods, Woolen. Forstmann Woolen Company. 881,736, Oct. 1, 1940. Republished June 21.
Piece goods, Woolen. Forstmann Woolen Company. 385,187, Feb. 18, 1941. Republished June 21.
Piece goods, Woolen. Forstmann Woolen Company. 393,780, Mar. 3, 1942. Republished June 21.
Piece goods, Woolen. The Kent Manufacturing Company. 312,441, Apr. 24, 1934. Republished June 21.
Rugs and carpets. Mohawk Carpet Mills, Inc. 511,314, June 21; Serial No. 541,600, published Sept. 14, 1948.
Serges, flannels, meltons, etc. The Kent Manufacturing Company. 129,460, Feb. 24, 1920. Republished June 21.
Sheets, Bed, pillowcases, and cotton fabrics. Schindel-Mandels Co. 254,560–1, renewed Mar. 26, 1949. O. G. June 21.
Spreads, draperies, counterpanes, etc. Alleen Mills Inc. 252,810, renewed Feb. 12, 1949. O. G. June 21.
Tablecloths, Linen, linen napkins, cotton tablecloths, etc. Herrmann & Jacobs, Inc. 377,636, May 7, 1940. Republished June 21.
Twill, Uniform. Brown & Ackerman. 511,490, June 21; Serial No. 562,317, published Feb. 15, 1949.

CLASS 43

Cotton, Spool. W. Warren Thread Works, Inc. 511,442, June 21; Serial No. 553,147, published Mar. 1, 1949.
Fabrics. William Skinner & Sons. 511,410, June 21; Serial No. 548,538, published Feb. 15, 1949.
Yarn. H. C. Wolfenden. 385,813, Mar. 18, 1941. Republished June 21.
Yarn and thread. A. Becker. 511,478, June 21; Serial No. 558,775, published Feb. 8, 1949.
Yarns and threads, Cotton, rayon, wool, worsted, and tinsel. Z. B. Yarn Mills. 248,862, Oct. 30, 1928. Republished June 21.
Yarns of wool, worsted, or hair. Two Steeples Limited. 511,488, June 21; Serial No. 561,698, published Feb. 8, 1949.

CLASS 44

Ampule injecting device, Automatic. Strong Cobb & Company, Inc. 511,444, June 21; Serial No. 553,426, published Mar. 15, 1949.
Applicators. Ortho Products Inc. 394,998, May 5, 1942. Republished June 21.
Bandages and dressings, Surgical. St. John Products Corporation. 511,473, June 21; Serial No. 557,960, published Mar. 15, 1949.
Bath cabinets. Continental Sales Corporation. 442,955, June 21; Serial No. 523,770, published Feb. 8, 1949.
Machine for mixing dental mix. Master Appliance Mfg. Company. 511,352, June 21; Serial No. 544,271, published Mar. 1, 1949.
Manicure implements. Rex Cutlery Corporation. 511,457, June 21; Serial No. 555,564, published Feb. 22, 1949.
Manicure implements. Schnefel Bros. Corporation. 440,733, Sept. 21, 1948. Republished June 21.
Medical and surgical appliances. The Scholl Mfg. Co., Inc. 511,149, June 21; Serial No. 526,515, published Mar. 15, 1949.
Permanent wave machine. R. Trapp. 511,380, June 21; Serial No. 547,072, published Feb. 22, 1949.
Plasters, Adhesive medical. Johnson & Johnson. 511,472, June 21; Serial No. 557,929, published Mar. 15, 1949.
Sanitary belts and clasps and other parts thereof. Beltx Corporation. 442,953, June 21; Serial No. 522,583, published Feb. 15, 1949.
Sanitary napkins. The Hospital Specialty Company. 511,454, June 21; Serial No. 555,099, published Feb. 22, 1949.
Sanitary napkins. The May Department Stores Company. 240,135, Mar. 20, 1928. Republished June 21.

Surgical hosiery. Surgical Products Inc. 511,225, June 21; Serial No. 536,462, published Mar. 15, 1949.
Surgical trusses and pads therefor. The Akron Truss Co., Inc. 511,115, June 21; Serial No. 500,041, published Feb. 8, 1949.
Tweezers, Eyebrow, nail files, manicure sticks, etc. C. J. Bates & Son. 511,470, June 21; Serial No. 557,426, published Mar. 15, 1949.
Vaginal diaphragms and applicators, Rubber. Ortho Pharmaceutical Corporation. 434,824, Dec. 9, 1947. Republished June 21.
Vaginal diaphragms, Rubber. Ortho Products, Inc. 387,089, Apr. 29, 1941. Republished June 21.

CLASS 45

Beverage base or extract, Grape. Blue Seal Extract Company. 511,402, June 21; Serial No. 547,968, published Feb. 8, 1949.
Beverage, Non-alcoholic maltless. F. L. Grassini. 182,593, Apr. 15, 1924. Republished June 21.
Beverage, Non-alcoholic, maltless tomato and green chili juice. E. C. Artega Co. 385,849, Mar. 18, 1941. Republished June 21.
Beverages, Non-alcoholic maltless. The Big-Time Corporation. 239,500, Mar. 6, 1928. Republished June 21.
Beverages, Nonalcoholic maltless, and flavoring syrups. Orange Smile Sirup Company. 511,145, June 21; Serial No. 523,855, published Mar. 8, 1949.
Beverages, Non-alcoholic maltless carbonated. Lucky Club Company. 381,282, Sept. 17, 1940. Republished June 21.
Beverages, Non-cereal, maltless. Jewel Extract Co. Inc. 511,117, June 21; Serial No. 508,046, published July 27, 1948.
Flavor for maltless soft drinks. Northwestern Extract Co. 511,186, June 21; Serial No. 531,618, published Mar. 1, 1949.
Ginger beer, Ginger ale, quinine water, etc. Cock 'n Bull Products. 511,305, June 21; Serial No. 541,093, published Mar. 8, 1949.
Juice, Grape, and root-beer extract. Reeves, Parvin & Co. 261,615, renewed Sept. 17, 1949. O. G. June 21.
Soft drinks and carbonated waters, Maltless. Home Brewing Company, Inc. 511,164, June 21; Serial No. 528,794, published Feb. 22, 1940.
Syrup flavor bases and fruit acid solutions, etc. Kitchen Craft Foods Corporation. 511,405, June 21; Serial No. 548,085, published Feb. 1, 1949.
Syrup, Non-alcoholic, maltless. The Orogold Co. 371,138, Sept. 19, 1939. Republished June 21.

CLASS 46

Aromatics, Synthetic and natural, and essential oils for food flavoring purposes. Flornsynth Laboratories, Inc. 353,939, Jan. 25, 1938. Republished June 21.
Base for making a chocolate flavored dairy drink. B. Heller & Company. 365,079, Feb. 21, 1939. Republished June 21.
Beef broth, chicken and noodles, pot roast beef, etc. L. B. Haley. 370,651, Aug. 29, 1939. New certificate. O. G. June 21.
Bread. Capital Bakers, Inc. 511,229, June 21; Serial No. 536,741, published Mar. 8, 1949.
Bread. Waldensian Baking Company. 328,977, Oct. 15, 1935. Republished June 21.
Bread, cake, cookies, etc. G. H. Kmetz. 364,237, Jan. 24, 1939. Republished June 21.
Breakfast food, Cereal. Plee-Zing, Inc. 442,909, June 21; Serial No. 493,213, published Mar. 15, 1949.
Candies. Shotwell Mfg. Co. 43,248, Aug. 30, 1904. Republished June 21.
Candy. Paul F. Beich Co. 511,279, June 21; Serial No. 539,120, published Mar. 1, 1949.
Candy. Merrill Candy Co. 209,791, Mar. 2, 1926. Republished June 21.
Candy, Bar. Merrill Candy Co. 422,208, July 9, 1946. Republished June 21.
Candy, Bar. Merrill Candy Co. 433,860, Nov. 4, 1947. Republished June 21.
Candy, Bar. Merrill Candy Company. 433,678, Oct. 28, 1947. Republished June 21.
Candy bars. J. D. Hamilton. 511,518, June 21; Serial No. 550,473.
Canned alimentary paste products. Superba Packing Co. Ltd. 333,529, Mar. 24, 1936. Republished June 21.
Canned and bottled olives and cherries. Old Monk Olive Oil Company. 202,173, Aug. 18, 1925. Republished June 21.
Canned and bottled vegetables, fruits, fish, etc. Seeman Brothers. 33,313–14, re-renewed Aug. 8, 1949. O. G. June 21.
Canned chiles. Coastal Valley Canning Co. 440,477, Sept. 7, 1948. Republished June 21.
Canned cranberry sauce. Pappas Bros. & Gillies Company. 511,250, June 21; Serial No. 557,612, published Mar. 8, 1949.
Canned evaporated milk, [illegible] green beans, etc. The Great American Tea Company. 511,286, June 21; Serial No. 541,104, published Mar. 8, 1949.
Canned fish. [illegible] & Co. 269,233, renewed Aug. 20, [illegible].
Canned fruits, [illegible] Company. 350,703, Dec. 10, [illegible] 21.
623 [illegible]
Canned green chile sauce. E. C. Ortega Company, Inc. 331,470, Jan. 7, 1936. Republished June 21.
Canned mackerel. Golden State Packing Corporation. 511,113, June 21; Serial No. 469,676, published Feb. 22, 1949.
Canned peeled chile peppers, canned pimientos. E. C. Ortega Company, Inc. 331,229, Dec. 31, 1935. Republished June 21.
Canned peeled chile peppers, canned pimientos. E. C. Ortega Company, Inc. 331,900, Jan. 21, 1936. Republished June 21.
Canned pimientos. E. C. Ortega Company, Inc. 331,901, Jan. 21, 1936. Republished June 21.
Canned pimientos and chile peppers. E. C. Ortega Company, Inc. 331,487, Jan. 7, 1936. Republished June 21.
Canned raviolis, canned spaghetti and canned mushroom gravy. Superba Packing Co. 184,321, May 20, 1924. Republished June 21.
Canned salmon. San Juan Fishing & Packing Company. 511,365, June 21; Serial No. 546,043, published Mar. 8, 1949.
Canned shellfish and canned fish. Whiz Fish Products Company, Inc. 433,061, Sept. 23, 1947. Republished June 21.
Canned tomato and green chile juice for food purposes. E. C. Ortega Co. 385,662, Mar. 11, 1941. Republished June 21.
Canned tomato juice. Aulabaugh Bros. 511,212, June 21; Serial No. 534,976, published Mar. 8, 1949.
Canned vegetables, beans with pork, vegetable soup, etc. H. D. Taylor, Jr., Inc. 511,364, June 21; Serial No. 545,912, published Mar. 8, 1949.
Cereal, Breakfast. Maltex Company. 438,534, Apr. 27, 1948. Republished June 21.
Cereals, Breakfast. The Great Atlantic and Pacific Tea Company. 511,272, June 21; Serial No. 536,632, published Mar. 1, 1949.
Cereals, Breakfast. The Quaker Oats Company. 257,338, renewed June 4, 1949. O. G. June 21.
Cheese, Swiss. The Great Atlantic and Pacific Tea Company. 511,330, June 21; Serial No. 542,465, published Mar. 8, 1949.
Chewing gum. American Chicle Company. 113,665, Oct. 31, 1916. Republished June 21.
Chewing gum. American Chicle Company. 117,501, July 17, 1917. Republished June 21.
Chewing gum. American Chicle Company. 193,438, Dec. 30, 1924. Republished June 21.
Chewing gum. Bon-Bon Company. 54,463, June 26 1906. Republished June 21.
Chewing gum. Frank H. Fleer and Company. 48,005 Dec. 5, 1905. Republished June 21.
Cocoa, Prepared. B. Heller & Company. 332,635, Feb. 18, 1936. Republished June 21.
Concentrate, Fruit flavored powdered. B. Heller & Company. 354,066, Feb. 1, 1938. Republished June 21.
Corn meal. The Quaker Oats Company. 257,339, renewed June 4, 1949. O. G. June 21.
Dessert powders, Ice cream powders, cocoa, etc. B. Heller & Company. 243,969, July 3, 1928. Republished June 21.
Eggs in the shell. Selma Mercantile Corporation. 359,070, Aug. 2, 1938. Republished June 21.
Feed, Dairy. Ada Milling Company. 511,208, June 21; Serial No. 534,223, published Nov. 23, 1948.
Feed, Hog. Interstate Packing Company. 254,719, renewed Mar. 26, 1949. O. G. June 21.
Fish oil, Refined. Van Camp Sea Food Co., Inc. 376,405, Mar. 26, 1940. Republished June 21.
Flavoring compound. B. Heller & Company. 238,985, Feb. 21, 1928. Republished June 21.
Flavorings, Food, and spices. B. Heller & Company. 171,334, Aug. 7, 1923. Republished June 21.
Flour, Self-rising, and plain wheat flour. Cherokee Mills. 511,170, June 21; Serial No. 529,434, published Mar. 8, 1949.
Flour, Wheat. Pillsbury Flour Mills Company. 256,759, renewed May 21, 1940. O. G. June 21.
Flour, Wheat. Tacoma Grain Company. 243,064, June 12, 1928. Republished June 21.
Flour, Wheat, and breakfast cereals. General Mills, Inc. 311,383, Mar. 20, 1934. Republished June 21.
Food composition in powdered form. R. G. Moench & Co., Inc. 511,143, June 21; Serial No. 523,137, published Mar. 8, 1949.
Food for dogs, cats, foxes, etc. John Morrell & Co. 316,997, Sept. 11, 1934. Republished June 21.
Food for dogs, cats, foxes, etc. John Morrell & Co. 317,382, Sept. 25, 1934. Republished June 21.
Food, Poultry. Peerless Oyster Co. 84,518, Dec. 19, 1911. Republished June 21.
Fruit, Fresh citrous. Covina Orange Growers Association. 154,783, May 9, 1922. Republished June 21.
Fruit, Fresh citrus. Central Lemon Association. 205,761, Nov. 17, 1925. Republished June 21.
Fruit, Fresh citrus. Upland Lemon Growers Association. 202,453, Aug. 25, 1925. Republished June 21.
Fruit, Fresh citrus. Upland Lemon Growers Association. 202,984, Sept. 1, 1925. Republished June 21.
Fruit, Fresh citrus. Upland Lemon Growers Association. 207,982, Jan. 12, 1926. Republished June 21.
Fruits, Fresh. Exeter Fruit Association. 893,984, Jan. 20, 1942. Republished June 21.

Fruits, Fresh citrus. Briggs Lemon Association. 346,256–7, May 18, 1937. Republished June 21.
Fruits, Fresh citrus. Central Lemon Association. 205,591, Nov. 17, 1925. Republished June 21.
Fruits, Fresh citrus. Covina Citrus Association. 205,767, Nov. 17, 1925. Republished June 21.
Fruits, Fresh citrus. East Whittier Citrus Association. 126,671–2, Sept. 30, 1919. Republished June 21.
Fruits, Fresh citrus. East Whittier Citrus Association. 127,604, Nov. 18, 1919. Republished June 21.
Fruits, Fresh citrus. East Whittier Citrus Association. 128,229, Dec. 30, 1919. Republished June 21.
Fruits, Fresh citrus. Fillmore Citrus Fruit Association. 199,299, June 9, 1925. Republished June 21.
Fruits, Fresh citrus. Fontana Citrus Association. 511,333, June 21; Serial No. 542,557, published Mar. 8, 1949.
Fruits, Fresh citrus. Glendora Citrus Association. 205,757, Nov. 17, 1925. Republished June 21.
Fruits, Fresh citrus. La Verne Orange Association. 230,072, July 12, 1927. Republished June 21.
Fruits, Fresh citrus. Mountain View Fruit Association. 201,347, July 21, 1925. Republished June 21.
Fruits, Fresh citrus. Piru Citrus Association. 209,836, Mar. 2, 1926. Republished June 21.
Fruits, Fresh citrus. Piru Citrus Association. 210,976, Mar. 30, 1926. Republished June 21.
Fruits, Fresh citrus. Piru Citrus Association. 214,646, June 29, 1926. Republished June 21.
Fruits, Fresh citrus. Piru Citrus Association. 226,547, Apr. 12, 1927. Republished June 21.
Fruits, Fresh citrus. Piru Citrus Association. 349,708, Aug. 31, 1937. Republished June 21.
Fruits, Fresh citrus. Placentia Orange Growers Association. 200,930, July 14, 1925. Republished June 21.
Fruits, Fresh citrus. Placentia Orange Growers Association. 202,695, Sept. 1, 1925. Republished June 21.
Fruits, Fresh citrus. Placentia Orange Growers Association. 211,127, Apr. 6, 1926. Republished June 21.
Fruits, Fresh citrus. Placentia Orange Growers Association. 214,781, July 6, 1926. Republished June 21.
Fruits, Fresh citrus. J. F. Sloan. 511,258, June 21; Serial No. 538,046, published Mar. 8, 1949.
Fruits, Fresh citrus. Teague-McKevett Company. 233,801, Oct. 11, 1927. Republished June 21.
Fruits, Fresh deciduous. Nye and Naumes Packing Company. 435,009, Jan. 13, 1948. Republished June 21.
Fruits, Fresh deciduous. Porterville Grape Association. 261,005, renewed Sept. 3, 1949. O. G. June 21.
Fruits, Fresh deciduous, and canned fruits. W. H. Leverette. 511,146, June 21; Serial No. 524,139, published Mar. 1, 1049.
Fruits in syrup bases, Jar-packed whole and crushed, fruit syrups, etc. Peerless Specialty Company. 511,194, June 21; Serial No. 532,159, published Mar. 8, 1949.
Fusion of casein and lactalbumin in powder form. M. & S. Dairy specialties. 442,934, June 21; Serial No. 516,992, published Mar. 15, 1949.
Ginger bread, candy, sweet chocolate, etc. Societe Anonyme Des Etabilissements Gringoire. 511,215, June 21; Serial No. 535,432, published Mar. 8, 1949.
Grapes, Fresh. H. Carlan. 511,230, June 21; Serial No. 530,130, published Mar. 1, 1949.
Grapes, Fresh. Dougherty Fruit Growers, Inc. 511,196, June 21; Serial No. 532,433, published Mar. 8, 1949.
Hams and bacon. Standard Packing Company. 204,057, Oct. 6, 1925. Republished June 21.
Hams, bacon, and sausauges. John P. Squire & Company. 73,178, re-renewed Mar. 23, 1949. O. G. June 21.
Honey. W. Miller. 442,925, June 21; Serial No. 512,979, published Mar. 15, 1949.
Ice cream. S. H. Perry. 305,282, Aug. 8, 1933. Republished June 21.
Icing for cakes and cookies. Basic Foods, Inc. 323,018, Mar. 26, 1935. Republished June 21.
Insecticides, meatcuring preparations and compounds, food colors, etc. B. Heller & Company. 182,819, Apr. 15, 1924. Republished June 21.
Insecticides, meatcuring preparations and compounds, food colors, etc. B. Heller & Company. 229,125, June 21, 1927. Republished June 21.
Macaroni. The Pfaffman Egg Noodle Company. 293,541, Apr. 26, 1932. Republished June 21.
Macaroni, spaghetti, and egg noodles. The Pfaffman Egg Noodle Company. 266,746, Feb. 4, 1930. Republished June 21.
Malt. Canada Malting Co. Limited. 442,951, June 21; Serial No. 521,111, published Mar. 15, 1949.
Mayonnaise, French dressing, Thousand Island Dressing, etc. Old Monk Olive Oil Co. 303,964, June 13, 1933. Republished June 21.
Mayonnaise, salad dressing, sandwich spreads, and chili sauce. Ivanhoe Foods, Inc. 439,561, July 6, 1948. Republished June 21.
Milk, Specially prepared dried. Mead Johnson & Company. 511,316, June 21; Serial No. 541,755, published Sept. 14, 1948.
Olive oil. Lindsay Ripe Olive Company. 511,252, June 21; Serial No. 537,712, published Mar. 8, 1949.
Olives. Old Monk Olive Oil Co. 381,408, Sept. 24, 1940. Republished June 21.
Olives, Green. Lindsay Ripe Olive Company. 511,251, June 21; Serial No. 537,710, published Mar. 8, 1949.
Oranges. Upland Citrus Ass'n. 85,927, Mar. 26, 1912. Republished June 21.
Oranges and grape fruit. Upland Citrus Ass'n. 81,647. Apr. 25, 1911. Republished June 21.
Oranges and grape fruit, Fresh. Upland Citrus Ass'n. 83,297, Aug. 29, 1911. Republished June 21.
Oysters. J. & J. W. Elsworth Co. 511,346, June 21; Serial No. 543,581, published Mar. 1, 1949.
Pies. S. Gumpert Co., Inc. 265,408, Dec. 24, 1929. Republished June 21.
Pork shoulders, Cured, cured pork sides, and smoked pork jowls. V. W. Joyner & Company, Incorporated. 254,577, renewed Mar. 26, 1949. O. G. June 21.
Powder preparation, Dry, used in making pies, absorbing and holding the fruit juices and flavor thereof. B. Heller & Company. 188,263, Aug. 19, 1924. Republished June 21.
Preparation consisting of orange juice, sugar, and oil of orange. F. W. Bireley. 261,527, renewed Sept. 17, 1949. O. G. June 21.
Preparation used to increase the viscosity or thickness and to improve malted milk and other food beverages. B. Heller & Company. 188,319, Aug. 26, 1924. Republished June 21.
Raisins, raisin bread. Sun-Maid Raisin Growers of California. 511,236–7, June 21; Serial Nos. 537,097–8, published Mar. 8, 1949.
Ravioli, Italian style, Italian style mushroom sauce. Superba Packing Co. 269,658, Apr. 15, 1930. Republished June 21.
Salad dressing. Old Monk Olive Oil Co. 346,928, June 15, 1937. Republished June 21.
Salad oil and sandwich spread. Old Monk Olive Oil Co. 395,855, June 16, 1942. Republished June 21.
Salt. Morton Salt Company. 511,255, June 21; Serial No. 537,814, published Mar. 1, 1949.
Sandwiches, Peanut butter. The Price-Wilhoite Company. 511,286, June 21; Serial No. 539,438, published Mar. 8, 1949.
Seasonings for meat, flavors for food, flavoring extracts for food and cocoa. B. Heller & Co. 109,938, Apr. 25, 1916. Republished June 21.
Stabilizing agent, Soluble and powdered. B. Heller and Company. 134,375, Aug. 31, 1920. Republished June 21.
Syrup, Pancake, spaghetti sauce, self-rising pancake flour, and cookies. The Great American Tea Company. 511,307, June 21; Serial No. 541,137, published Mar. 8, 1949.
Tomatoes, Fresh. The H. Rouw Company. 442,937, June 21; Serial No. 517,166, published Mar. 15, 1949.
Tomatoes, Fresh. Texas Vegetable Exchange. 511,532, June 21; Serial No. 521,096.
Vegetables, Fresh. J. L. Whaites. 403,486, Sept. 28, 1943. Republished June 21.
Walnuts. California Walnut Growers Association. 511,213, June 21; Serial No. 534,994, published Mar. 1, 1949.

CLASS 47

Wine, Port. C. N. Kopke & Co. Limited. 304,968, July 25, 1933. Republished June 21.
Wine, Port. C. N. Kopke & Co. Limited. 306,119, Sept. 5, 1933. Republished June 21.
Wines. Cella Vineyards. 511,406, June 21; Serial No. 548,135, published Feb. 8, 1949.
Wines. Central Grape Products Co. 511,460–1, June 21; Serial Nos. 535,660–1, published Mar. 8, 1949.
Wines. Maison Gelaweiler & Fils, Societe Anonyme. 319,645–7, Dec. 4, 1934. Republished June 21.
Wines, Port, sherry, and muscatel. The Hammer Company. 511,300, June 21; Serial No. 547,449, published Mar. 15, 1949.

CLASS 48

Ale. Jacob Ruppert. 511,389, June 21; Serial No. 547,409, published Mar. 1, 1949.
Beer. Butte Brewing Company, Inc. 511,267, June 21; Serial No. 538,352, published Mar. 15, 1949.
Beer. Columbia Breweries, Inc. 511,326, June 21; Serial No. 542,287, published Mar. 1, 1949.
Beer. Gunther Brewing Company, Inc. 511,281, June 21; Serial No. 530,155, published Mar. 8, 1949.
Beer. Pfeiffer Brewing Company. 511,182, June 21; Serial No. 530,954, published Mar. 15, 1949.
Beer. Jacob Ruppert. 511,388, June 21; Serial No. 547,408, published Mar. 1, 1949.
Beer. Sellers Company, Ltd. 442,927, June 21; Serial No. 514,628, published Mar. 8, 1949.
Beer. John F. Trommer, Inc. 511,338, June 21; Serial No. 542,686, published Mar. 1, 1949.
Beer, Bottled. Griesedieck Bros. Brewery Company. 308,329, Nov. 28, 1933. Republished June 21.
Oil of hops. E. Clemens Horst Co. 442,962, June 21; Serial No. 525,329, published Mar. 1, 1949.

CLASS 49

Beverages, Distilled potable alcoholic. Continental Distilling Corporation. 511,299, June 21; Serial No. 540,780, published Mar. 8, 1949.
Brandy and alcoholic cordials. Old Monk Olive Oil Co. 320,138, Dec. 18, 1934. Republished June 21.

Brandy, Apple. Gordon-O'Neill Company. 511,217, June 21; Serial No. 535,099, published Feb. 1, 1949.
Gin. Continental Distilling Corporation. 310,131, Feb. 13, 1934. Republished June 21.
Gin. Continental Distilling Corporation. 310,152, Feb. 13, 1934. Republished June 21.
Gin. Hill, Thomson & Co. Limited. 511,382, June 21; Serial No. 547,119, published Mar. 15, 1949.
Kummel. Many, Blanc & Co., Inc. 511,136, June 21; Serial No. 519,132, published Mar. 15, 1949.
Liqueurs. Distillerie Warenghem Fils (Societé a Responsabilité Limitée). 442,916, June 21; Serial No. 503,641, published Mar. 15, 1949.
Rum. Jardine Liquor Corporation. 511,216, June 21; Serial No. 535,532, published Feb. 22, 1949.
Rum. Jardine Liquor Corporation. 511,306, June 21; Serial No. 541,306, published Feb. 22, 1949.
Whiskey. Bohemian Distributing Company. 316,375, Aug. 21, 1934. Republished June 21.
Whiskey. Esbeco Distilling Corporation. 511,135, June 21; Serial No. 519,062, published Mar. 8, 1949.
Whiskey. Alexander McDougall & Co. Limited. 372,594–5, Nov. 7, 1939. Republished June 21.
Whiskey. Medley Distilling Company. 511,316, June 21; Serial No. 541,855, published Mar. 8, 1949.
Whiskey. National Distillers Products Corporation 511,376, June 21; Serial No. 546,509, published Feb. 8, 1949.
Whiskey, gin, rum, etc. Sanches Romate Hermanos, S. A. 442,931, June 21; Serial No. 515,761, published Feb. 22, 1949.
Whiskey, Scotch. T. & A. McClelland, Limited. 306,614, Sept. 26, 1933. Republished June 21.
Whisky, Blended Scotch. Hill, Thomson & Co. Limited. 511,381, June 21; Serial No. 547,118, published Feb. 8, 1949.
Whisky, Blended Scotch. Hill, Thomson & Co. Limited. 511,383, June 21; Serial No. 547,120, published Feb. 8, 1949.

CLASS 50

Granite monuments and memorials. E. L. Smith & Co. 351,377, Oct. 26, 1937. Republished June 21.
Traps, Animal. Animal Trap Company of America. 256,538, renewed May 21, 1949. O. G. June 21.

CLASS 55

Geophysical prospecting services. Seismograph Service Corporation. 511,405, June 21; Serial No. 533,403, published Mar. 15, 1949.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF JUNE, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Dictograph Products Company, Inc., assignee: *See*—
Koch, Henry.

Du Pont, E. I., de Nemours and Company, assignee: *See*—
Gresham, William F.

Gresham, William F., Alapocas, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparation of N-dimethylethanolamine. Re. 23,124, June 21.

Jet-Heet, Inc., assignee: *See*—
MacCracken, Calvin D.

Koch, Henry, Huntingdon, Pa., assignor to Dictograph Products Company, Inc., New York, N. Y. Bone conduction hearing aid. Re. 23,125, June 21.

MacCracken, Calvin D., New Rochelle, assignor to Jet-Heet, Inc., New York, N. Y. Air compressor. Re. 23,126, June 21.

Mathieson Chemical Corporation, assignee: *See*—
Weller, Joseph F.

Smidl, Joseph J., Portland, Oreg. Slide rule cursor. Re. 23,127, June 21.

Weller, Joseph F., Lewiston, N. Y., assignor to Mathieson Chemical Corporation. Production of vinyl chloride. Re. 23,128, June 21.

LIST OF DESIGN PATENTEES

Adams, Emile L., assignor of one-half to E. E. Adams, Piedmont, Calif. Doll. 154,194, June 21.

Adams, Ernest E., assignee: *See*—
Adams, Emile L.

Bausch & Lomb Optical Company, assignee: *See*—
Stegeman, Raymond F. E.

Beck, Arthur, Chicago, Ill. Combination griddle and skillet. 154,195, June 21.

Clark, Jesse H., and H. Richards, assignors to Cory Corporation, Chicago, Ill. Decanter. 154,196, June 21.

Clark, John T.: *See*—
Johnson, Carroll W., and Clark.

Cory Corporation, assignee: *See*—
Clark, Jesse H., and Richards.

Ditto, Incorporated, assignee: *See*—
Quirk, Robert W.

Dumke, Maxine S., near Fontana, Calif. Cake chest or similar article. 154,197, June 21.

Emerson, Frank P., Los Angeles, Calif. Popcorn vending machine. 154,198, June 21.

Fairies Manufacturing Company, assignee: *See*—
Sigler, Howard R., and Laystrom.

Finkelstein, Augusta P., Woonsocket, R. I. Clothes and shoe cabinet or the like. 154,199, June 21.

Fulkerson, Doran J.: *See*—
Kovacs, Stella, and Fulkerson.

Gold, Pauline, Hillside, N. J. Clothespin bag or similar article. 154,200, June 21.

Goldfarb, Samuel J., New York, N. Y. Dress. 154,201, June 21.

Hutton, Junius O., Chevy Chase, Md. Liquid beater. 154,202, June 21.

Imperial Brass Manufacturing Company, The, assignee: *See*—
Todd, Edward F.

Johnson, Carroll W., Chicago, and J. T. Clark, Cicero, Ill. Combined operator's stool and control for dental chairs. 154,203, June 21.

Jung, Albert H., Flushing, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 154,204, June 21.

Kovacs, Stella, and D. J. Fulkerson, Dearborn, assignors to Paragon Products Company, Detroit, Mich. Ring comb. 154,205, June 21.

Kraus, Frank H., New York, N. Y. Clothes hanger. 154,206, June 21.

Kraus, Frank H., New York, N. Y. Garment hanger. 154,207, June 21.

Laystrom, Carl A.: *See*—
Sigler, Howard R., and Laystrom.

Lily-Tulip Cup Corporation, assignee: *See*—
Reifsnyder, James D.

MacGregor, Libby, New York, N. Y. Textile fabric. 154,208, June 21.

Meirlok, Walter H., Belleville, Ill. Shower fixture. 154,209, June 21.

Miller, Cecil: *See*—
Snyder, Paul L., and Miller.

Okun, Nathaniel N., Far Rockaway, N. Y. Combined extension key chain and watch. 154,210, June 21.

Paragon Products Company, assignee: *See*—
Kovacs, Stella, and Fulkerson.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 154,211, June 21.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 154,212, June 21.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 154,213, June 21.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 154,214, June 21.

Prall, Robert C.: *See*—
Steeds, Thomas A., and Prall.

Quirk, Robert W., assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 154,215, June 21.

Reifsnyder, James D., Flushing, assignor to Lily-Tulip Cup Corporation, New York, N. Y. Paper dish. 154,216, June 21.

Richards, Harper: *See*—
Clark, Jesse H., and Richards.

Roberts, Helen A., Buffalo, N. Y. Dinner cup. 154,217, June 21.

Sigler, Howard R., Argenta, and C. A. Laystrom, Decatur, assignors, by mesne assignments, to Fairies Manufacturing Company, Chicago, Ill. Combined toothbrush and toothpaste holder or similar article. 154,218, June 21.

Snyder, Paul L., and C. Miller, Pomona, Calif. Bagging machine. 154,219, June 21.

Steeds, Thomas A., Cleveland Heights, and R. C. Prall, University Heights, Ohio; said Prall assignor to said Steeds. Coaster. 154,220, June 21.

Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle temple. 154,221, June 21.

Tanner, Edward E., Jr., Chicago, Ill. Feet equipped outer garment. 154,222, June 21.

Todd, Edward F., Highland Park, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Merchandise display rack. 154,223, June 21.

Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.

Tweet, Oreo C., Astoria, Oreg. Combined ash tray and saucer. 154,224, June 21.

Varney, Herbert H., Red Wing, Minn. Mixing bowl. 154,225, June 21.

Victor Metal Products Corporation, assignee: *See*—
Jung, Albert H.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF JUNE, 1949

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AA Wire Products Co., assignee: *See*—
Muntwyler, Charles L., and Frank.
Abbott, William G., Jr., Milford, N. H. Production of slivers of artificial fibers. 2,473,409, June 21.
Adams, Clyde S., Yellow Springs, assignor to The National Cash Register Company, Dayton, Ohio. Secondary amines of 3,3 bis(p-aminophenyl) phthalide. 2,474,084, June 21.
Adler, Solomon, Kew Gardens, N. Y. Sewing-machine feed. 2,473,934, June 21.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Itehberg, Chessie E., and Fisher.
Air-Maze Corporation, assignee: *See*—
Walton, George M.
Air Reduction Company, Incorporated, assignee: *See*—
Anderson, James L.
Albright, Glenn, Detroit, Mich. Tractor drive mechanism. 2,474,085, June 21.
Aldrich, Donald F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,473,838, June 21.
All American Airways, Inc., assignee: *See*—
Schultz, Arthur B.
All-Die, Inc., assignee; *See*—
Wunder, Frans.
Allen, Calvin H. and M. E., Oakland, Calif., assignors to Colorphone, Inc. Decorative cover for telephone desk sets. 2,473,775, June 21.
Allen, Mary E.: *See*—
Allen, Calvin H. and M. E.
Allied Chemical & Dye Corporation, assignee: *See*—
Anderson, Carl I.
Brandon, George E.
Fleysher, Maurice H.
Gwynn, Marion H.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Montgomery, Terryl B., and Bloodworth.
Allison, William D., assignor to Motor Research Corporation, Detroit, Mich. Winding device or winch. 2,473,628, June 21.
Alquist, Francis N., and C. W. Hopkins, assignors to The Dow Chemical Company, Midland, Mich. Acid cleaning composition. 2,474,179, June 21.
Altfather, Conrad T., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Constant-speed electric motor. 2,473,830, June 21.
Amberg, Walter E., Beverly Shores, Ind., assignor to Lily-Tulip Cup Corporation. Conical paper cup with rounded bottom. 2,473,840, June 21.
Ambler, Thomas M.: *See*—
Hill, James E., and Ambler.
American Box Board Company, assignee: *See*—
Richey, Ralph C.
American Can Company, assignee: *See*—
Chatterton, Robert T.
American Chemical Paint Company, assignee: *See*—
Snyder, Eugene.
American Cladmetals Company, assignee: *See*—
Kinney, Joseph, Jr.
American Cyanamid Company, assignee: *See*—
Dudley, James R.
Hultquist, Martin E.
Kaiser, Donald W.
Kienle, Roy H., and Whitcomb.
King, Victor L.
Kropa, Edward L.
Kuh, Erwin, and Barnaby.
Kuh, Erwin, and Smith.
Lecher, Hans Z., Scalera, Joyce, and Forster.
Mowat, John H., and Boothe.
Phelps, Allen S.
Thruston, Jack T.
Waller, Coy W.
American Enka Corporation, assignee: *See*—
Kayser, Guillaume M. A.
American Felt Company, assignee: *See*—
Raymond, James J., and Lehmberg.
American Optical Company, assignee: *See*—
Crandon, Harry D.
Moulton, Harold R.
Riley, Charles P.
American Pipe and Construction Co., assignee: *See*—
Butler, Adolf G.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Morrison, James J., and Duna.
Anaconda Wire and Cable Company, assignee: *See*—
Brown, Richard J.
Anchor Manufacturing Company, assignee: *See*—
Johansson, Ernest G.

Anderson, Axel G., Minneapolis, Minn. Hand oiler. 2,473,690, June 21.
Anderson, Carl I., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Disazo dyestuffs. 2,474,024, June 21.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for cutting tubes. 2,473,559, June 21.
Anderson, Mauritz L., Arlington, assignor to Raytheon Manufacturing Company, Newton, Mass. Flexibility tester. 2,473,841, June 21.
Anderson, Victor, assignee: *See*—
Berry, Gene L.
Andrews, Bernard R., Braintree, Mass. Drying apparatus. 2,473,629, June 21.
Annesley, Griffith, New York, N. Y. Propeller. 2,473,097, June 21.
Arenco Aktiebolag, assignee: *See*—
Von Segebaden, Ernst.
Ashton, William A., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Independent leverage chuck. 2,473,935, June 21.
Askey, John S., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamo-electric machine field coil. 2,473,842, June 21.
Aspinall, Glenn, Burlington, Wis. Bag holder. 2,474,025, June 21.
Associated Laboratories, Inc., assignee: *See*—
Zimmerman, Merritt A.
Atwood, John B., and B. Trevor, Riverhead, N. Y., assignors to Radio Corporation of America. Mounting for electron discharge device of the high-frequency type. 2,474,026, June 21.
Austin, Dwight E., and W. B. Fageol, assignors to Twin Coach Company, Kent, Ohio. Vehicle spring suspension. 2,473,500, June 21.
Automatic Electric Laboratories, Inc., assignee: *See*—
Jones, Roy W.
Wood, Fredric E.
Austin, John M., Warwick, R. I., assignor to Davol Rubber Company. Inflation indicator for catheters. 2,473,742, June 21.
Avco Manufacturing Corporation, assignee: *See*—
Reid, John D., and Holst.
Aves, Fred J., Beverly Hills, Calif. Rearview mirror adjustable by rotation about a median axis. 2,473,698, June 21.
Baak, Albert E.: *See*—
Sparrow, Hubert T., and Baak.
Baak, Albert E., Los Angeles, Calif., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure control apparatus. 2,473,776, June 21.
Babcock & Wilcox Company, The, assignee: *See*—
Ebersole, George B.
Bagley, Edward S., New Orleans, La. Unit water heater. 2,473,560, June 21.
Bahnson, Agnew H., Jr., Winston-Salem, N. C. Air filter. 2,473,501, June 21.
Baker, Benjamin P.: *See*—
Ludwig, Leon R., and Baker.
Baker, Benjamin P., Turtle Creek, and D. C. Harker, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,473,843, June 21.
Baker, Benjamin P., Turtle Creek, B. C. Van Sickle, Wilkinsburg, and J. M. Cumming, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,473,844, June 21.
Balmer, James A., assignor to Riley Stoker Corporation, Worcester, Mass. Heat exchanger. 2,473,561, June 21.
Barber-Coleman Company, assignee: *See*—
Greene, Elmer A.
Bard, Francis N., Highland Park, Ill. Joint. 2,473,502, June 21.
Barium Reduction Corporation, assignee: *See*—
Preisman, Louis.
Preisman, Louis, and Hobson.
Barker Brothers, Inc., assignee: *See*—
Doyle, Edwin F.
Barnaby, Hugh S.: *See*—
Kuh, Erwin, and Barnaby.
Barnes, Elias B., Elkhart, Ind. Heater unit and system. 2,473,562, June 21.
Barnes Motor Developments Company, assignee: *See*—
Barnes, William B.
Barnes, William B., Muncie, Ind., assignor to Barnes Motor Developments Company. Antifriction screw and nut. 2,473,748, June 21.

Barreto, Antonio, Rio de Janeiro, Brazil, assignor to Monsanto Chemical Company, St. Louis, Mo. Polychlorophenols in fermentation of carbohydrates. 2,473,630, June 21.
Barry, Arthur J., and J. W. Gilkey, Midland, and L. De Pree, Holland, assignors to The Dow Chemical Company, Midland, Mich. Preparation of silicon halides. 2,474,087, June 21.
Barton, Herman F., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus. 2,473,845, June 21.
Bartlow, Hiram C., Sr., New York, N. Y. Breaker point refacing device. 2,474,086, June 21.
Barton, Loy E., Princeton, N. J., assignor to Radio Corporation of America. Electroacoustic transducer. 2,473,846, June 21.
Battelle Development Corporation, assignee: *See*—
Liger, Andrew W.
Baudry, René A., Pittsburgh, and P. R. Heller, Irwin, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lifting, braking, and jacking system for vertical-shaft rotating machines. 2,473,847, June 21.
Bausch & Lomb Optical Company, assignee: *See*—
Forrest, John W.
Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,473,848, June 21.
Beck, Edward F. W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lightning arrester. 2,473,849, June 21.
Beck, Edward F. W., Pittsburgh, and J. S. Ferguson, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lightning arrester. 2,473,850, June 21.
Becker, Maximilian C., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Backstop for electromagnetic devices. 2,473,851, June 21.
Beechlyn, John T., Worcester, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Variable cavity resonator. 2,473,777, June 21.
Beemer, Henry J., Sidney, Ohio. Signaling device for vehicles. 2,473,631, June 21.
Beja, Maurice, and R. A. Loisy, Salindres, assignors to Compagnie de Produits Chimiques et Electrometallurgiques Alais Froges et Camargue, Paris, France. Preparation of manganese dioxide. 2,473,563, June 21.
Bell, Clarence W., Lakewood, Ohio. Machine for straightening and sizing castings, forgings, stampings, or the like. 2,473,673, June 21.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Meacham, Larned A.
Pollard, Charles E., Jr.
Bendix Aviation Corporation, assignee: *See*—
Fontaine, Athanas P.
Hosford, Norman F.
Miller, Raymond J.
Schneck, Frederick W.
Teegne, Walter D., Jr.
Benes, Edwin J., Newburgh Heights, Ohio. Fishing rod holder. 2,473,778, June 21.
Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Pickup loop with thermocouple. 2,473,779, June 21.
Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Spark transmitter. 2,473,780, June 21.
Bennett, Clarence H., assignor to Selas Corporation of America, Philadelphia, Pa. Airplane heater having two-speed control. 2,473,699, June 21.
Berger, Carl W., McPherson, Kans., assignor to The Inventors Guild, Newark, N. J. Recovery of phenol salts from aqueous solutions. 2,474,028, June 21.
Berger, Emil J., and H. K. West, assignors to Dexdale Hosiery Mills, Lansdale, Pa. Pattern mechanism for knitting machines. 2,473,503, June 21.
Berger, Morris, Burlington, N. J. Electromechanical safety razor. 2,474,027, June 21.
Bergren, Julius, Minneapolis, Minn., assignor to J. A. Bousquet. Weedless fishhook. 2,473,564, June 21.
Berkley, Carl, New York, N. Y., assignor to Allen B. DuMont Laboratories, Inc., Passaic, N. J. Apparatus for testing the accuracy of movements. 2,473,700, June 21.
Berry, Gene L., assignor of one-fourth to V. Anderson, Hailey, Idaho. Diaper cleaning device. 2,473,852, June 21.
Besson, Henri, assignee: *See*—
Rechti, Charles.
Bickerton, Jack M., assignor to Innis, Speiden and Company, New York, N. Y. Fumigant composition and method. 2,473,984, June 21.
Bird Electronic Corporation, assignee: *See*—
Bird, James R.
Bird, James R., Chagrin Falls, assignor to Bird Electronic Corporation, Cleveland, Ohio. Switch. 2,473,565, June 21.
Birtman Electric Company, assignee: *See*—
Lanter, Clarence W.
Block, Seymour S., Louisville, assignor to Joseph E. Seagram & Sons, Inc., Shively, Ky. Microbial fermentation of acid hydrolysed carbohydrate mashes. 2,474,130, June 21.
Bloodworth, Thomas H.: *See*—
Montgomery, Terryl B., and Bloodworth.
Boddie, Clarence A., Belmar, N. J. Concentric line oscillator. 2,473,504, June 21.
Bode, Robert G., assignor to The Norwood Company, Chicago, Ill. Extensible strut. 2,473,632, June 21.
Boehm, Frederick, assignor to Schutte and Koerting Company, Philadelphia, Pa. Nozzle. 2,473,674, June 21.
Boeing Airplane Company, assignee: *See*—
Stoner, George H.
Bohn, Donald I., Pittsburgh, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Tripping device. 2,474,029, June 21.
Bommer, Max: *See*—
Hauser, Hermann, and Bommer.
Boone, Clarence W., Syracuse, N. Y. Traction device. 2,473,782, June 21.
Booth, George M., Westfield, assignor to Wallace & Tiernan Co., Inc., Belleville, N. J. Water purification unit. 2,473,986, June 21.
Boothe, James H.: *See*—
Mowat, John H., and Boothe.
Boreszewski, Clarence F., Camden, N. J. Rotating disk racing game. 2,473,675, June 21.
Bortnick, Newman M., assignor to Rohm & Haas Company, Philadelphia, Pa. Unsaturated heterocyclic alcohol. 2,473,497, June 21.
Bousquet, Joseph A., assignee: *See*—
Bergren, Julius.
Boykin, John R., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency control system. 2,473,853, June 21.
Boypower, Inc., assignee: *See*—
Fosbender, Elmer K.
Bradley, Schuyler L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,473,854, June 21.
Brandon, George E., East Orange, N. J., assignor to Allied Chemical & Dye Corporation. Coking high volatile coal involving incorporation therein of a limited amount of blast furnace fine dust. 2,473,987, June 21.
Brassell, Bryan, Santa Rosa, N. Mex. Self-reversing power jack. 2,473,566, June 21.
Braswell, Charles W., Long Beach, Calif. Nonslip golf glove. 2,474,030, June 21.
Braun, Frank C., New York, N. Y. Floral support. 2,473,855, June 21.
Brewer-Titchener Corporation, assignee: *See*—
Johannsen, Udo K.
Brinkoeter, Julius A., assignor to Ed Friedrich, Inc., San Antonio, Tex. Eliminate drippage of condensation in openview frozen food cases. 2,473,781, June 21.
Brock, Louis R., Hague, N. Y. Attachable lifting arm for bulldozer blades. 2,473,505, June 21.
Brockway Company, The, assignee: *See*—
Guarnaschelli, Stephen.
Brooks, Lester A., Stamford, Vt., assignor to Sprague Specialties Company, North Adams, Mass. Electrical conductor. 2,473,085, June 21.
Brooks, Richard E.: *See*—
Gresham, William F., Brooks, and Grigsby.
Brown, Ernest N.: *See*—
Wickizer, Gilbert S., and Brown.
Brown Flatube Company, assignee: *See*—
Brown, John W., Jr.
Welsh, Oral.
Brown, John W., Jr., Lakewood, assignor to Brown Flatube Company, Elyria, Ohio. Welding fins to tubular members by electric resistance welding. 2,473,633, June 21.
Brown, John W., Jr., Lakewood, assignor to Brown Flatube Company, Elyria, Ohio. Electric resistance welding method. 2,473,634, June 21.
Brown, John W., Jr., Lakewood, assignor to Brown Flatube Company, Elyria, Ohio. Portable heater. 2,473,783, June 21.
Brown, Richard J., Hastings on Hudson, N. Y., assignor to Anaconda Wire and Cable Company. Striping of vinyl resin coated wires with ketone dye solutions. 2,474,088, June 21.
Brown, Roland E.: *See*—
Lyon, Norman W., and Brown.
Brown, William C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge device. 2,473,567, June 21.
Browning, J. M. & M. S., Company, assignee: *See*—
Browning, Val A.
Browning, Val A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Firing mechanism. 2,474,180, June 21.
Bruen, George C., deceased, by S. E. Bruen, executrix, Chicago, assignor, by mesne assignments, of seventy and five-tenths per cent to said S. E. Bruen, five per cent to E. V. Dickinson, Highland Park, nine per cent to S. M. Bullock, Wilmette, Ill., ten and five-tenths per cent to G. A. Stuart, Denver, Colo., two per cent to J. Fisher, Chicago, one per cent to M. Thoencn, Elmwood Park, one per cent to G. H. Frederickson, Chicago, Ill., and one per cent to E. M. Thorsen, St. Joseph, Mo. Card filing equipment. 2,473,856, June 21.

Bruen, Sophie E., executrix, assignee: *See*—
Bruen, George C.
Bryant Electric Company, The, assignee: *See*—
Webster, Benjamin C.
Bullard Company, The, assignee: *See*—
Bullard, Edward P., III.
Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Positioning device. 2,473,506, June 21.
Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Positioning apparatus. 2,473,507, June 21.
Bullock, Giles E., Rochester, N. Y. Lubricant filtering system. 2,473,701, June 21.
Bullock, Sarah M., assignee: *See*—
Bruen, George C.
Bulman, Elvah O., Grand Rapids, Mich. Paper roll holder. 2,473,744, June 21.
Burchell, Fford, assignor to Burchell-Holloway Corporation, New York, N. Y. Apparatus for insertion in color display devices utilizing polarized light for securing changing saturation of specific hues in fixed zones as viewed by observers. 2,473,857, June 21.
Burchell-Holloway Corporation, assignee: *See*—
Burchell, Fford.
Burns, Frank D., Muskegon, Mich. Boat cover. 2,474,031, June 21.
Burrough, Joe, San Francisco, Calif. Internal-combustion engine. 2,473,936, June 21.
Burroughs Wellcome & Co. (U. S. A.) Inc., assignee: *See*—
Slomon, William.
Bntacet Limited, assignee: *See*—
Sulzbacher, Max.
Butler, Adolf G., Hawthorne, assignor to American Pipe & Construction Company, Los Angeles, Calif. Method and apparatus for welding structural cages. 2,473,858, June 21.
Butler, Adolf G., Hawthorne, assignor to American Pipe and Construction Co., Los Angeles, Calif. Method and apparatus for welding structural cages. 2,473,859, June 21.
Buttery, Kenneth T., assignor to Sutherland Paper Company, Kalamazoo, Mich. Display carton with support. 2,473,637, June 21.
Byrns, Alva C., Los Altos, assignor to The Permanente Metals Corporation, Oakland, Calif. Removing a fluorine compound from a liquid hydrocarbon. 2,474,032, June 21.
Caldwell, Kyle C., Knoxville, Tenn. Tray type liquid fuel burner. 2,473,568, June 21.
California Research Corporation, assignee: *See*—
Darragh, John L.
Denison, George H., Jr., and Condit.
Levine, Irving E.
Levine, Irving E., and Claussen.
Calloway Mills Company, assignee: *See*—
Parker, Samuel P.
Cameron, Edward H., Seattle, Wash. Safety automobile door lock handle. 2,473,937, June 21.
Camerota, Louis A., Burlington, assignor to Florence Pipe Foundry & Machine Company, Florence, N. J. Control system for hydraulic machinery. 2,473,676, June 21.
Campos, Adolph, Newark, N. J. Pyrophoric element feeding mechanism for lighters. 2,473,636, June 21.
Canisteo Industries, Inc., assignee: *See*—
Condon, Fred L.
Cannizzaro, Anthony H. and P. F., New York, N. Y. Combined photograph album and music box. 2,473,938, June 21.
Cannizzaro, Pauline F.: *See*—
Cannizzaro, Anthony H. and P. F.
Capewell Manufacturing Company, assignee: *See*—
Warner, Alden Y., and Craven.
Carlin, Arvid F., Mamaroneck, N. Y. Sharpening device. 2,473,702, June 21.
Carlin, James C., and R. R. Lloyd, Norristown, assignors to Lee Rubber & Tire Corporation, Conshohocken, Pa. Inner tube and making the same. 2,473,784, June 21.
Carman & Co., Inc., assignee: *See*—
Marrocco, Guy D.
Carnegie-Illinois Steel Corporation, assignee: *See*—
Ashton, William A.
Rendel, George H.
Carrier Corporation, assignee: *See*—
Silvera, Americo.
Trumbler, William E.
Carroll, Elbert H., deceased, West Boylston; H. W. Cowee and E. C. Carroll, executors, assignors to Carroll Pressed Metal Company, Worcester, Mass. Toe plate for ski bindings. 2,473,637, June 21.
Carroll, Elisabeth C., executrix: *See*—
Carroll, Elbert H.
Carroll Pressed Metal Company, assignee: *See*—
Carroll, Elbert H.
Carson, Boyce G., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of ammonia salts of maleic acid. 2,474,089, June 21.
Carter, George I., Longmeadow, assignor to Harvey-Whipple, Incorporated, Springfield, Mass. Multiple tube forced-draft and air flow air heater. 2,474,090, June 21.
Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Internal exhaust seal for electric lamps and similar devices. 2,473,860, June 21.
Cast, Don T., Columbus, Ohio. Portable heat-adjusting charcoal stove. 2,473,569, June 21.
Cate, Edward C., assignee: *See*—
Cate, William A.
Cate, William A., assignor of forty-nine per cent to E. C. Cate, Portland, Oreg. Rotary combustion motor. 2,473,785, June 21.
Celanese Corporation of America, assignee: *See*—
Shuman, Royal L.
Sowter, Percy F. C.
Chain Belt Company, assignee: *See*—
Olson, Albert M.
Chamberlin, Reginald H. D., and C. H. L. Wynne, London, and J. S. Northolt, assignors to D. Napier & Son Limited, London, England. Apparatus for metering the fuel supplied to prime movers. 2,474,033, June 21.
Chapman, Clarence E.: *See*—
Wixon, Paul E., and Chapman.
Chatterton, Robert T., Chappaqua, assignor to American Can Company, New York, N. Y. Method and apparatus for feeding sheets. 2,474,141, June 21.
Cherry-Burrell Corporation, assignee: *See*—
Kendall, Ira H.
Cherry Rivet Company, assignee: *See*—
Shaff, Ernest H.
Chicago Bridge & Iron Company, assignee: *See*—
Dewey, Raymond S.
Lebedeff, Michael N.
Chillson, Charles W., Caldwell, N. J., assignor to Curtiss-Wright Corporation. Propeller governor. 2,474,140, June 21.
Chirelstein, Nathan, Maplewood, N. J. Manufacturing attachment plugs. 2,473,570, June 21.
Chubb, Melvin F., Joplin, Mo., assignor to The Eagle-Picher Company. Machine for processing storage battery plates. 2,474,091, June 21.
Chubbuck, Leonard B., Hamilton, Ontario, Canada, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Metal-clad switchgear. 2,473,861, June 21.
Cincinnati Grinders Incorporated, assignee: *See*—
Kearing, Bernard A., and Decker.
Cincinnati Milling Machine Co., assignee: *See*—
Wilder, Warren, and Horlacher.
Clark, Winslow B. M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Polarized electromagnet. 2,473,939, June 21.
Clark, Winslow B. M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Fire alarm system. 2,473,940, June 21.
Claussen, William H.: *See*—
Levine, Irving E., and Claussen.
Clawsey, John D., New York, N. Y. Combination sink and dining table. 2,473,862, June 21.
Clayhourn, Glen L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Transfer system. 2,473,863, June 21.
Cleveland Crane & Engineering Company, The, assignee: *See*—
Dehn, Roy F.
Coberly, Clarence J., Los Angeles, assignor to Kobe, Inc., Huntington Park, Calif. Heavy oil and sand pump. 2,473,864, June 21.
Coleman, Clarence B.: *See*—
Ridgely, Neville R., Jr., and Coleman.
Coleman, William H., Washington, D. C. Device for teaching music. 2,473,088, June 21.
Colilidge, Albert E., E. C. Dawes, and T. A. Gilbert, assignors to The Klinger Manufacturing Company Limited, London, England. Plasticizing knitted goods made from thermoplastic yarn. 2,474,093, June 21.
Collins, Douglas, Salisbury, N. C. Freezer shelf construction. 2,473,508, June 21.
Collins, Edgar V., Ames, Iowa. Rotary earth scraper. 2,473,786, June 21.
Colorphone, Inc., assignee: *See*—
Allen, Calvin H. and Mary E.
Colquitt, Odie, assignor to Patents, Inc., Denver, Colo. Combination water tank and truck body. 2,474,094, June 21.
Colstad, Charles N., Cranston, R. I., assignor, by mesne assignments, to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Clip for writing instruments. 2,473,689, June 21.
Coltman, Alfred D., Vancouver, British Columbia, Canada, assignor to Graflex, Inc., Rochester, N. Y. Instrument mounting. 2,474,196, June 21.
Colton, Henry S., Shaker Heights, and R. W. Frischmuth, University Heights, Ohio, and R. L. Knowles, Bronxville, N. Y. Producing potassium tungstate. 2,473,703, June 21.
Combined Optical Industries Limited, assignee: *See*—
Cohnson, John.
Compagnie de Produits Chimiques et Electrometallurgiques Alais Froges et Camargue, assignee: *See*—
Beja, Maurice, and Loisy.
Compton, Henry P., Abilene, assignor of one-half to H. E. Montgomery, Dallas, Tex. Coin controlled package vending machine. 2,474,142, June 21.
Condit, Paul C.: *See*—
Denison, George H., Jr., and Condit.
Condon, Fred L., assignor to Canisteo Industries, Inc., Canisteo, N. Y. Railway crossing. 2,473,941, June 21.
Conn, Raymond A., Springfield, Nova Scotia, Canada. Jaw adjusting device for pipe wrenches. 2,473,787, June 21.

Cook, Milford M., Visalia, Calif. Fluid pressure actuated tire mounting or demounting device. 2,473,571, June 21.
Cooper, Nelson D., Mariemont, and E. A. Ruchty, Norwood, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Magnetic servo operator. 2,473,572, June 21.
Coppus Engineering Corporation, assignee: *See*—
Gibson, Carl W.
Cornthwaite, William R., and N. W. Flodin, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of polyvinyl ketals. 2,474,095, June 21.
Cowdrey, Cecil L.: *See*—
Simmons, Herbert, and Cowdrey.
Cowee, Howard W., executor: *See*—
Carroll, Elbert H.
Crabtree, Norris: *See*—
Smith, Ellis, Crabtree, Naylor, and Maw.
Craddock, Reginald V.: *See*—
Fragola, Caesar F., and Craddock.
Craig, Kenneth A., Appleton, Wis., assignor to Paper Patents Company. Bleaching poplar groundwood. 2,474,034, June 21.
Crain, Rollie, Marion, Ill. Grain threshing and separating machine. 2,473,788, June 21.
Crandon, Harry D., Woodstock, Conn., assignor to American Can Optical Company, Southbridge, Mass. Method and apparatus for making containers. 2,474,035, June 21.
Crane Co., assignee: *See*—
Marks, Milton M.
Crane Packing Company, assignee: *See*—
Schmitz, Carl E.
Craven, Wilbur J.: *See*—
Warner, Alden Y., and Craven.
Crawford, Cecil: *See*—
Crawford, Herman E. and C.
Crawford, Herman E., Kernersville, and C. Crawford, Durham, N. C. Knitting machine. 2,473,677, June 21.
Crise Electric Manufacturing Company, assignee: *See*—
Crise, George W.
Crise, George W., assignor to Crise Electric Manufacturing Company, Columbus, Ohio. Thermostatically operated switch. 2,473,789, June 21.
Crosby, Murray G., Upper Montclair, N. J., assignor to Radio Corporation of America. Automatic frequency control circuits. 2,473,790, June 21.
Crown Cork & Seal Company, Inc., assignee: *See*—
Henschen, Edgar, and Dennis.
Cumming, James M.: *See*—
Baker, Benjamin P., Van Sickle, and Cumming.
Cumming, Reginald L., assignor of twenty-five per cent to E. M. Streicher, E. G. Streicher, twenty-five per cent to E. M. Streicher, and twenty-five per cent to G. A. Weiss, Ypsilanti, Mich. Hydraulic transmission and clutch. 2,473,638, June 21.
Cuno Engineering Corporation, The, assignee: *See*—
Kroll, Alfred J., and Schnick.
Curd, Francis H. S., and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, Biguanide derivatives. 2,473,989, June 21.
Curley, John J., Brockton, Mass. Paperweight. 2,474,036, June 21.
Curtis, George E., Jr., Penn Wynne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Refrigerator liner support. 2,473,573, June 21.
Curtiss-Wright Corporation, assignee: *See*—
Chillson, Charles W.
Murphy, Howard.
Rutledge, John E.
Cuthrell, Antum E., Pleasanton, Tex. Portable brush and tree cutting machine of the hammer-driven cutter blade type. 2,474,037, June 21.
Dalziel, William: *See*—
Wilson, Arthur D., and Dalziel.
Dane, Bruce W., Newark, N. J. Instrument mallet. 2,473,865, June 21.
Darragh, John L., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Manufacture of halogenated aromatic compounds. 2,473,990, June 21.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Soubbing means. 2,473,678, June 21.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Locking means for rotary operating bars of door fasteners. 2,473,679, June 21.
Davies, Weyburn J., Pond Creek, Okla. Wrecking tool. 2,473,866, June 21.
Davignon, Ermand H., assignor to Metals & Controls Corporation, Attleboro, Mass. Composite metal. 2,474,038, June 21.
Davignon, Ermand H., assignor to Metals & Controls Corporation, Attleboro, Mass. Forming composite metal having a nickelplated beryllium-copper base and gold or silver bonded thereto by a copper-plated iron sheet. 2,474,039, June 21.
Davis, Joseph, assignor to Joseph Davis Plastics Co., Arlington, N. J. Rolling toy. 2,473,574, June 21.
Davis, Joseph, Plastics Co., assignee: *See*—
Davis, Joseph.
Davol Rubber Company, assignee: *See*—
Ausin, John M.
Dawes, Edwin C.: *See*—
Collidge, Albert E., Dawes, and Gilbert.
Dawson, John W., Auburndale, assignor to Raytheon Manufacturing Company, Newton, Mass. Resistance welding system. 2,473,575, June 21.
Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Welding system. 2,473,576, June 21.
Day, James R., Peconic, N. Y., assignor to Radio Corporation of America. Pulse integrating circuits. 2,474,040, June 21.
Decker, Jacob: *See*—
Kearns, Bernard A., and Decker.
Deeter, Everett L., Washington, D. C. Voltage control system. 2,473,512, June 21.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Carbonic acid amides of certain substituted glyoxalidines. 2,473,577, June 21.
Dehmel, Richard C., Summit, N. J. Optical training apparatus. 2,474,096, June 21.
Dehmel, Richard C., Summit, N. J. Chart holder. 2,474,097, June 21.
Dehn, Roy F., Cleveland, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Shear press. 2,473,942, June 21.
De Long, Herbert K., assignor to The Dow Chemical Company, Midland, Mich. Anodic coating of magnesium. 2,474,181, June 21.
Demeulenaere, Marcel, Flushing, N. Y. Cash register. 2,473,509, June 21.
Denison Engineering Company, The, assignee: *See*—
Renick, Wendell E.
Denison, George H., Jr., Oakland, and P. C. Condit, Berkeley, assignors, by mesne assignments, to California Research Corporation, San Francisco, Calif. Stabilization of organic substances. 2,473,510, June 21.
Denison, George H., Jr., Oakland, and P. C. Condit, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Mineral oil compositions and the like. 2,473,511, June 21.
Dennison, Stanley W.: *See*—
Henschen, Edgar, and Dennis.
De Pree, Lee: *See*—
Barry, Arthur J., Gilkey, and De Pree.
Derby, John H., Scarsdale, N. Y. Remote control valve. 2,473,867, June 21.
Dewey, Raymond S., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Sealing and positioning means for grinder mechanisms or the like. 2,473,513, June 21.
Dexdale Hosiery Mills, assignee: *See*—
Berger, Emil J., and West.
Diamond Alkali Company, assignee: *See*—
Robainson, Edward A.
Diamond Match Company, The, assignee: *See*—
Montague, Stephen F.
Dickinson, Edna V., assignee: *See*—
Bruen, George C.
Dimmick, Glenn L., Indianapolis, Ind., assignor to Radio Corporation of America. Photometric measurement of light values using automatic gain control in photomultiplier tubes. 2,474,098, June 21.
Dimmick, Glenn L., Haddonfield, N. J., assignor to Radio Corporation of America. Electromagnetic sound-powered telephone. 2,474,197, June 21.
Dimmock, Charles A., Jr., Springfield, Mass. Apparatus for scribing circles on cylindrical members. 2,474,041, June 21.
Di Renzo, Alfred, Passaic, N. J. Chair. 2,473,745, June 21.
Dispos-A-Tube, Inc., assignee: *See*—
Pohl, Herman L.
Domke, Edward A., assignor of twenty-four per cent to L. E. Riemer, twenty-four per cent to S. L. Piatkowski, Ann Arbor, and twenty-four per cent to H. E. Logan, East Ann Arbor, Mich. Load supporting roller. 2,473,868, June 21.
Doremus, John A., Chicago, Ill., assignor, by mesne assignments, to Raytheon Air Ream, Inc., Newton, Mass. Induction motor servo system. 2,473,791, June 21.
Doughty, Howard W., Amherst, assignor to Firetox Company, Holyoke, Mass. Fire extinguisher. 2,474,099, June 21.
Dow Chemical Company, The, assignee: *See*—
Alquist, Francis N., and Hopkins.
Barry, Arthur J., Gilkey, and De Pree.
De Long, Herbert K.
McIntire, Otis R.
Dowty Equipment Limited, assignee: *See*—
Killner, Frederick E.
Doyle, Edwin F., Amityville, assignor to Barker Brothers, Inc., Brooklyn, N. Y. Goblet buff. 2,473,869, June 21.
Dudley, James R., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Synthetic resins derived from acrylonitrile adducts. 2,473,498, June 21.
Dufour, Maurice F.: *See*—
Hilla, Robert C., and Dufour.
Duman, Louis R., assignee: *See*—
Freeman, Ernest H.
DuMont, Allen B., Laboratories, Inc., assignee: *See*—
Berkley, Carl.
Maron, Meyer.
Dunn, Alfred L.: *See*—
Morrison, James J., and Dunn.

Dunham, Le Roy S., East Orange, and E. V. Steffensen, Belleville, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Impregnating carbonaceous bodies. 2,473,943, June 21.

Du Pont, E. I. de Nemours & Company, assignee: *See*—
Carson, Boyce G.
Cornthwaite, William R., and Flodin.
Eubank, Lowell D.
Eubank, Lowell D., and Krister.
Gresham, William F.
Gresham, William F., and Hardy.
Hanford, William E., Roland, and Mochel.
Hansley, Virgil L.
Loder, Donald J.
Taylor, Guy B.
Vining, William H.
Walker, Isaac F.

Durakool, Inc., assignee: *See*—
Keating, John P.

Eagle-Picher Company, The, assignee: *See*—
Chubb, Melvin F.
McCutcheon, Frank G.

Earnest, Frank W., Jr., Wilkes-Barre, Pa. Ice disintegrating utensil. 2,474,100, June 21.

Eastman, Nathaniel, New York, N. Y., assignor to New England Plastic Co. Inc., Leominster, Mass. Pry off type jar cap remover. 2,473,870, June 21.

Ebersole, George B., Akron, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Air-swept pulverizer having internal flow area adjusting means. 2,473,514, June 21.

Edelman, Abraham, New York, assignor to The Liquidometer Corporation, Long Island City, N. Y. Totalizer. 2,473,578, June 21.

Edels, Harry, Stafford, assignor to The English Electric Company Limited, London, England. Electric arc welding. 2,473,871, June 21.

Edison, Thomas A., Incorporated, assignee: *See*—
Clark, Winslow B. M.
Dunham, Le Roy S., and Steffensen.

Egger, Leopold, Lins, Upper Austria. Artificial tooth. 2,473,515, June 21.

Egle, Edward J., Jr., Woodside, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Vibration eliminating apparatus. 2,474,042, June 21.

Elektrokemisk A/S, assignee: *See*—
Hansen, Georg M.

Elliott Bay Mill Co., assignee: *See*—
Miller, William J.

Emery Industries, Inc., assignee: *See*—
Myers, Latimer D., and Fitzpatrick.

English Electric Company Limited, The, assignee: *See*—
Edels, Harry.

Epstein, H., assignee: *See*—
Freeman, Ernest H.

Erbe, John R.: *See*—
Stoltz, Glenn E., and Erbe.

Erickson, John W., Seattle, Wash. Door casing gauge. 2,473,639, June 21.

Etches, James H., Detroit, Mich. Collapsible camp stove. 2,474,043, June 21.

Eubank, Lowell D., Richland, Wash., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Foaming-type galvanizing fluxes and processes employing them. 2,473,570, June 21.

Eubank, Lowell D., Richland, Wash., and C. J. Krister, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Foaming galvanizing fluxes and processes employing them. 2,473,580, June 21.

Fageol, William B.: *See*—
Austin, Dwight E., and Fageol.

Fairey Aviation Company Limited, The, assignee: *See*—
Forsyth, Archibald G.

Farris, Edmond J., Bristol, Pa. Game device. 2,473,680, June 21.

Faulk, Donald P., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical circuits. 2,473,640, June 21.

Feldstein, Henry H., Cleveland, Ohio. Evaporator. 2,473,841, June 21.

Fisher, Benjamin, New York, N. Y. Baby high chair. 2,473,991, June 21.

Filtors, Incorporated, assignee: *See*—
Molyneux, Cecil P.

Firetox Company, assignee: *See*—
Doughty, Howard W.

First Industrial Corporation, assignee: *See*—
Riche, Arthur L.

Fisher, Charles H.: *See*—
Rehberg, Chessie E., and Fisher.

Fisher, Jay, assignee: *See*—
Brnen, George C.

Fitzpatrick, J. D.: *See*—
Myers, Latimer D., and Fitzpatrick.

Fleysher, Maurice H., Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Manufacturing anthraquinone-C-arylthiazoles. 2,473,872, June 21.

Flodin, Nestor W.: *See*—
Cornthwaite, William R., and Flodin.

Florence Pipe Foundry & Machine Company, assignee: *See*—
Camerota, Louis A.

Fontaine, Athanas P., assignor to Bendix Aviation Corporation, Detroit, Mich. Automatic flap retractor. 2,473,792, June 21.

Forbender, Elmer K., assignor to Boypower, Inc., Los Angeles, Calif. Wheeled carrier. 2,473,873, June 21.

Ford, George E., Brighton, N. Y. Indicating instrument with magnetic drive. 2,473,581, June 21.

Forrest, John W., Brighton, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Prism system for refractometer of the Abbé type. 2,474,044, June 21.

Forster, Warren S.: *See*—
Lecher, Hans Z., Scalera, Joyce, and Forster.

Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, England. Propulsion means for aircraft and the like. 2,474,143, June 21.

Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company Limited, Hayes, Middlesex, England, Electrically and power operated pitch changing mechanism. 2,474,144, June 21.

Found, Clifton G., and W. J. Winninghoff, Cleveland Heights, Ohio, assignors to General Electric Company. Low-pressure electric discharge device. 2,473,642, June 21.

Fowler, John, Stockport, England, assignor, by mesne assignments, to General Electric Company. Electric switch. 2,473,992, June 21.

Fragola, Caesar F., Brooklyn, and R. V. Craddock, Willigton Park, N. Y., assignors to The Sperry Corporation. Gyro flux valve compass system. 2,473,516, June 21.

Fram Corporation, assignee: *See*—
Robertson, Edward R.

Frank, Edward J.: *See*—
Muntwyler, Charles L., and Frank.

Fraser, Kenneth G., assignee: *See*—
Stillwagon, George B., Jr.

Fredericksen, George H., assignee: *See*—
Bruen, George C.

Freedman, Doris M., New York, N. Y. Adhesion testing machine. 2,473,517, June 21.

Freeland, Harry D., Waynesburg, Pa. Lifting jack. 2,474,045, June 21.

Freeman, Ernest H., Wilmette, assignor to H. Eptein and L. B. Duman, Chicago, Ill. Transformer. 2,473,746, June 21.

Fregeolle, Oscar, assignor to Hemphill Company, Central Falls, R. I. Selecting mechanism. 2,473,944, June 21.

Friedrich, Ed, Inc., assignee: *See*—
Brinkoetter, Julius A.

Fries, Karl W., assignor to Rhinelander Paper Company, Rhinelander, Wis. Producing lactic acid. 2,474,046, June 21.

Frischmuth, Robert W.: *See*—
Colton, Henry S., Knowles, and Frischmuth.

Froblom, John M., Holland, Mich. Toolmaker's vice or clamp. 2,473,643, June 21.

Frothingham, Harriett C.: *See*—
Frothingham, Harry A. and H. C.

Frothingham, Harry A. and H. C., Stamford, Conn. Kitchen cabinet having top opening with pedal operated closure. 2,474,101, June 21.

Furnas Electric Company, assignee: *See*—
Parmann, Edwin A.

Furzebill Laboratories Limited, assignee: *See*—
Namenyl-Katz, Laszlo.

Gamberg, Edward R.: *See*—
Jennings, Charles H., and Gamber.

Gambill, Marvin, Odessa, Tex. Water softener. 2,474,145, June 21.

Gangle, Charles C.: *See*—
Loeser, George H., and Gangle.

Ganong, Jonett C., Mahopac Falls, N. Y. Bait box. 2,473,874, June 21.

Gardner, Bernard C., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Grid structure. 2,473,793, June 21.

Garrard, Howard F., Osborn, and E. V. Rupp, Dayton, Ohio. Pressure breathing mask for aviation. 2,473,518, June 21.

Garetson, Owen L., Roswell, N. Mex., assignor to Phillips Petroleum Company. Hose connector and valve. 2,473,704, June 21.

Garrett Corporation, Airesearch Manufacturing Company division, The, assignee: *See*—
Ramsaur, Walter R.

General Electric Company, assignee: *See*—
Cartun, Paul O.
Found, Clifton G., and Winninghoff.
Fowler, John.
Greiner, Alfred.
Jordan, Paul B., and Pipkin.
Penon, Rene, and Lemaigre-Voreaux.
Stone, Melvin L.
Wyer, Richard F.

General Motors Corporation, assignee: *See*—
Ratalczak, Francis I.

General Steel Castings Corporation, assignee: *See*—
Pflager, Harry M.
Meyer, William H.

Gentile, Carmine J.: *See*—
Sacher, Murray H., and Gentile.

George, Ralph W., Riverhead, N. Y., assignor to Radio Corporation of America. Electrical contactor for movable shafts. 2,473,705, June 21.

Gershon, Benjamin, Chicago, Ill. Stove mat. 2,474,102, June 21.

Geuder, Paeschke & Frey C., assignee: *See*—
Lampiris, William.

Gibson, Carl W., assignor to Coppus Engineering Corporation, Worcester, Mass. Rotary fuel burner with removable fuel-conducting means. 2,473,945, June 21.

Gleseker, Leonard F., Preble, Ind. Preserving and maintaining color of green vegetables. 2,473,747, June 21.

Gilbert, Thomas A.: *See*—
Collidge, Albert E., Dawes, and Gilbert.

Gilkey, John W.: *See*—
Barry, Arthur J., Gilkey, and De Pree.

Gillette Safety Razor Company, assignee: *See*—
Mnros, Joseph.

Glittzer, Edward H., San Diego, Calif. Poise mounting for racing cars. 2,473,519, June 21.

Gleason, William W., assignor to Nachman Corporation, Chicago, Ill. Spring assembly for upholstery. 2,473,700, June 21.

Goldman, Paul R., Andover, assignor to Plymold Corporation, Lawrence, Mass. Tubes, pipes, and the like. 2,473,875, June 21.

Goldstaub, Helne H., Snaresbrook, England. Slide rule. 2,473,876, June 21.

Goldstein, Joseph, Brookline, Mass. Luminescent shoe. 2,473,877, June 21.

Goodrich, B. F., Company, The, assignee: *See*—
Hollerith, Charles.
Krots, Alvin S.
Smith, Grant W.

Goodwin, Vernon D., Floral Park, N. Y., assignor to Sylvania Electric Products Inc., Emporium, Pa. Carton for radio tubes and the like. 2,473,582, June 21.

Gorakowski, Andrew, Avoca, Pa. Expansible plug for sealing bores. 2,474,047, June 21.

Graflex, Inc., assignee: *See*—
Coltman, Alfred D.

Graham, George K., Oceanside, N. Y., assignor to Radio Corporation of America. System for volume compressions. 2,474,103, June 21.

Grand Rapids Hardware Company, assignee: *See*—
Viehweger, August.

Gray Manufacturing Company, The, assignee: *See*—
White, George H.

Gray, Samuel D., assignee: *See*—
Long, James I.

Great Atlantic & Pacific Tea Company, assignee: *See*—
Tully, John P.

Green, Edwin F., Ashland, Ky. Portable mold for concrete blocks. 2,473,748, June 21.

Greenlee, Elmer A., assignor to Barber-Colman Company, Rockford, Ill. Heating and ventilating system. 2,474,048, June 21.

Greiner, Alfred, Cleveland Heights, Ohio, assignor to General Electric Company. Electric lamp of double spiral convolution. 2,473,878, June 21.

Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 1,3-dioxolane polymers. 2,473,994, June 21.

Gresham, William F., Wilmington, and J. V. E. Hardy, Bellevue, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of metal carbonyls. 2,473,993, June 21.

Gresham, William F., Lindamere, R. E. Brooks, Edgemoor Terrace, and W. E. Grigsby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of diethyl ketone. 2,473,995, June 21.

Grigsby, William E.: *See*—
Gresham, William F., Brooks, and Grigsby.

Groene, William F., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Drive mechanism for automatic lathes. 2,474,104, June 21.

Grögl, Max F., Barranquilla, Colombia. Dental drill. 2,473,583, June 21.

Groza, John, Detroit, Mich. Sinker. 2,473,644, June 21.

Guardite Corporation, assignee: *See*—
Merriam, Charles J.

Guarnaschelli, Stephen, assignor to The Brockway Company, Naugatuck, Conn. Flexible metal hose connection. 2,473,879, June 21.

Gwaltney, Eugene C., Biddeford Pool, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Device and process for twisting and spinning. 2,473,520, June 21.

Gwaltney, Eugene C., Biddeford Pool, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Twisting device and method. 2,473,521, June 21.

Gwynn, Marion H., Mountain Lakes, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Cleaning metal catalysts with alcoholic caustic solution. 2,473,880, June 21.

H-P-M Development Corporation, assignee: *See*—
Tucker, Warren R.

Haas, Clarence C.: *See*—
Kriegbaum, George M., and Haas.

Hagan Corporation, assignee: *See*—
Markson, Alfred A.

Hagopian, Richard H., Halethorpe, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency dielectric heating apparatus. 2,473,881, June 21.

Hagstrom, Jerome E.: *See*—
Johnson, Elmer C., and Hagstrom.

Hall, William M., Lexington, assignor to Raytheon Manufacturing Company, Newton, Mass. Modulation system. 2,473,794, June 21.

Hallberg, Elmer E., and J. C. Verstynen, assignors to Rockford Machine Tool Company, Rockford, Ill. Tracer mechanism for machine tools. 2,473,584, June 21.

Hammerstein, Arthur, Palatine, Ill. Dispenser with slitted resilient diaphragm. 2,473,707, June 21.

Hammerstrom, Karl R., Dormont, Pa., assignor to United States Steel Corporation of Delaware. Double truck mine car body. 2,473,946, June 21.

Hamstrom, Walter P., Seattle, Wash. Leg support device. 2,473,947, June 21.

Hanford, William E., Easton, Pa., J. R. Roland, and W. E. Mochel, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers from ethylene and branched chain vinyl esters. 2,473,990, June 21.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. High-speed telegraphy signal recorder. 2,474,049, June 21.

Hansen, Georg M., Fiskaa, near Kristiansand, assignor to Elektrokemisk A/S, Oslo, Norway. Breaking up the charge in electric smelting furnaces. 2,473,681, June 21.

Hansley, Virgil L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Partial reduction of polycyclic aromatic hydrocarbons. 2,473,997, June 21.

Harder, Edwin L., and C. E. Valentine, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,473,882, June 21.

Hardy, John V. E.: *See*—
Gresham, William F., and Hardy.

Harker, Donald C.: *See*—
Baker, Benjamin P., and Harker.

Harris, Fred E., Haverhill, Mass., and A. S. Hegeman, Jr., Glen Ridge, D. H. Mitchell, Cranford, and H. N. Snook, Maywood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Angle measuring mechanism. 2,473,682, June 21.

Harris, Herbert H., Sacramento, Calif. Armrest. 2,474,050, June 21.

Harris, Robert L., assignor to The Standard Oil Company, Cleveland, Ohio. Treatment of crude oil. 2,473,522, June 21.

Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Speed controlled centrifugal valve. 2,473,948, June 21.

Hartford National Bank and Trust Company, assignee, trustee: *See*—
Jonker, Johan L. H., and Kleynen.
Kröger, Ferdinand A.
Wolf, Menno.

Harvey, Henry S., West Branch, Iowa. Power-operated portable general utility machine. 2,473,883, June 21.

Harvey-Whipple, Incorporated, assignee: *See*—
Carter, George I.

Harwood, Ray D., Elkhart, Ind. Salt and pepper shaker. 2,473,583, June 21.

Hatch, Hernis W., Atlanta, N. Y. Endless belt grader. 2,474,051, June 21.

Hathaway, Claude M., Denver, Colo. Electric pressure head. 2,474,140, June 21.

Hauser, Hermann, Binningen, and M. Bommer, Riehen, Switzerland, assignors to the Swiss firm of Ciba Limited. Anthrimide-carbazole dyestuffs. 2,473,949, June 21.

Hauser, Herman, Binningen, and M. Bommer, Riehen, Switzerland, assignors to the Swiss firm of Ciba Limited. Anthrimide-carbazole dyestuffs. 2,473,950, June 21.

Hayes, Ralph F., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polymerized vinyl aromatic materials. 2,473,708, June 21.

Hegeman, Andrew S., Jr.: *See*—
Harris, Fred E., Hegeman, Mitchell, and Snook.

Hein, Carl C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Contact means. 2,473,884, June 21.

Heller, Paul R.: *See*—
Baudry, Rene A., and Heller.

Helliwell, Ernest G., assignee: *See*—
Ransom, Jack.

Hemphill Company, assignee: *See*—
Fregeolle, Oscar.
St. Pierre, Eugene.

Henschen, Edgar, and S. W. Dennis, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Container closing apparatus. 2,473,523, June 21.

Herman, Harold M., Chicago, Ill. Telegraphic code teacher. 2,473,749, June 21.

Heywood, Basil J., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Monoazo dyestuffs. 2,473,885, June 21.

Hibbard, Donald L., and John N. M. Howells, United States Navy. Lead estimation training reflex gun sight. 2,473,524, June 21.

Hickey, Marvin M., South Bend, Ind. Stepladder tray or shelf. 2,473,951, June 21.

Hill, James E., and T. M. Ambler, San Antonio, Tex. Wave heater. 2,474,147, June 21.

Hills, Robert C., and M. F. Dufour, Nicaro, Cuba, assignors to Nicaro Nickel Company, New York, N. Y. Reduction of ores containing nickel. 2,473,795, June 21.

Hillyer, John C., Bartlesville, Okla., and D. A. Nicewander, Borger, Tex., assignors to Phillips Petroleum Company. Inhibiting polymerization and corrosiveness of furfural by mercaptobenzothiazole. 2,473,750, June 21.

Hines, Claude M., Verona, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Relay control system. 2,473,683, June 21.

Hitchcock, John H., assignor to Morgan Construction Company, Worcester, Mass. Machine for manufacturing spherical gears. 2,473,709, June 21.

Hobson, Charles F.: *See*—
Preisman, Louis, and Hobson.

Holland Furnace Company, assignee: *See*—
Weyenberg, Henry, and Tice.

Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Steerable tail wheel. 2,473,645, June 21.

Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Expander tube for brakes. 2,473,646, June 21.

Holst, Paul F. G.: *See*—
Reid, John D., and Holst.

Hood, Arthur, West Long Branch, N. J., and M. Sobel, New York, N. Y., and E. A. Terhune, Red Bank, N. J. Slip ring. 2,473,526, June 21.

Hoop, John G., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Atmosphere production. 2,473,525, June 21.

Hoop, John G., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for production of heat-treating atmospheres. 2,473,527, June 21.

Hoover, Howard L., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Unwoven filamentary web and producing same. 2,473,528, June 21.

Hopkins, Charles W.: *See*—
Alquist, Francis N., and Hopkins.

Hordes, Irving, Yonkers, N. Y. Apparatus for casting dental restorations. 2,474,105, June 21.

Horlacher, Herman: *See*—
Wilder, Warren, and Horlacher.

Horr, Daniel G., Spokane, Wash. Axially expansible rotary cutter. 2,473,952, June 21.

Horton, Ronald J., London, England. Hair pad, hairband, or like article. 2,474,148, June 21.

Hosford, Norman F., Towaco, assignor to Bendix Aviation Corporation, Teterboro, N. J. Cabin altitude and oxygen use indicator. 2,473,586, June 21.

Houston, Charles E., San Marino, Calif. Harvester for packing lettuce, cabbage, celery and the like. 2,473,587, June 21.

Howard, Arthur G., Flint, Mich. Fumigating system. 2,473,684, June 21.

Howells, John N. M.: *See*—
Hibbard, Donald L., and Howells.

Huber, Howard E. and M. W., Watertown, N. Y., assignors to The New York Air Brake Company. Relief valve for hydraulic systems. 2,473,053, June 21.

Huber, Matthew W.: *See*—
Huber, Howard E. and M. W.

Hull, Frederick C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Brazing alloy. 2,473,886, June 21.

Hulstedt, Otis L., Woodhull, Ill. Handy stoker scoop. 2,473,647, June 21.

Hultquist, Martin E., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of heterocyclic compounds. 2,473,796, June 21.

Hume, Kenneth B., Kew, Melbourne, Victoria, Australia. Apparatus for cutting curved plates used in spherical tanks. 2,474,140, June 21.

Humphreys & Glasgow Limited, assignee: *See*—
MacGregor, Frank A.

Hydraulic Brake Company, assignee: *See*—
La Brie, Ludger E.

I. T. E. Circuit Breaker Company, assignee: *See*—
Rohn, Donald I.

Imperial Chemical Industries Limited, assignee: *See*—
Curd, Francis H. S., and Rose.
Heywood, Basil J.
Sarsfield, Norman F.

Independent Eastern Torpedo Company, The, assignee: *See*—
Kingston, Benson M., and McKinsey.

Innis Speiden and Company, assignee: *See*—
Hickerton, Jack M.

International Harvester Company, assignee: *See*—
Harstick, William H.
Kriegbaum, George M., and Haas.
Orelind, John R.
Van Buskirk, Ernest M.
Welty, Albert B.

Interval Instruments, Inc., assignee: *See*—
Rieber, Frank.

Inventors Guild, The, assignee: *See*—
Berger, Carl W.

Jackson, Herman F., and T. F. Spencer, Detroit, Mich. Heating and pressing comb. 2,474,106, June 21.

Jacobson, Arthur G., assignor, by mesne assignments, to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Sheet transfer gripper mechanism. 2,474,150, June 21.

Jaeger Machine Company, The, assignee: *See*—
Mandt, Obert G.

Jakeway, Gerald V., assignor to Keeler Brass Company, Grand Rapids, Mich. Control knob of thermoplastic material. 2,473,648, June 21.

Janette, John T., Kenilworth, assignor to Janette Manufacturing Company, Chicago, Ill. Centrifugal switch. 2,473,998, June 21.

Janette Manufacturing Company, assignee: *See*—
Janette, John T.

Jennings, Charles H.: *See*—
Steinert, Emil F., and Jennings.

Jennings, Charles H., Forest Hills, and E. R. Gamberg, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protecting metal surfaces during soldering and brazing processes. 2,473,887, June 21.

Jensen, John, Chatsworth, Ill. Hobbyhorse. 2,473,640, June 21.

Jillson, Lyman W., Detroit, assignor to Wyandotte Chemicals Corporation, Wyandotte, Mich. Rotary drier seal. 2,473,710, June 21.

Johannsen, Udo K., assignor to Brewer-Titchener Corporation, Cortland, N. Y. Folding support for ironing boards and the like. 2,474,107, June 21.

Johansson, Ernest G., Belmont, assignor to Anchor Manufacturing Company, Boston, Mass. Current distribution panel. 2,473,685, June 21.

Johnson, Anton W., Masson, Quebec, Canada. Doctor operating mechanism. 2,474,052, June 21.

Johnson, Charles E., North Muskegon, assignor to Johnson Products, Inc., Muskegon Heights, Mich. Self-locking tappet screw. 2,473,752, June 21.

Johnson, Elmer C., and J. E. Hagstrom, assignors, by mesne assignments, to The Vendo Company, Kansas City, Mo. Bottle vending machine with magazine rotating on horizontal axis. 2,474,053, June 21.

Johnson, Eric G., Spalding, England. Heating and cooling system for horticultural houses and cloches. 2,473,589, June 21.

Johnson, Howard R., Baltimore, Md. Device for expelling static charges from dielectrical substances. 2,473,751, June 21.

Johnson, Howard R., Baltimore, Md. Microtome and electrostatic dispersal apparatus therefor. 2,473,753, June 21.

Johnson, John, assignor to Combined Optical Industries Limited, Slough, England. Molding lenses and like optical elements. 2,473,588, June 21.

Johnson Products, Inc., assignee: *See*—
Johnson, Charles E.

Jones, Anderson, assignee: *See*—
Long, James I.

Jones, Clinton, Hampton, Va. Electric release for toy guns. 2,474,054, June 21.

Jones, Roy W., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Static frequency changer. 2,473,990, June 21.

Jonker, Johan L. H., and P. H. J. A. Kleynen, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Amplifier circuits with double control. 2,473,754, June 21.

Jordan, Paul B., and M. Pipkin, Cleveland Heights, Ohio, assignors to General Electric Company. Lead-in wire for electric lamps and similar devices. 2,473,888, June 21.

Joyce, Asa W.: *See*—
Lecher, Hans Z., Scalera, Joyce, and Forster.

Kadleh, Abraham, Long Island City, N. Y. Mixing spout fixture for washbasins. 2,474,108, June 21.

Kaiser, Donald W., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Triazolylene triazines and preparation thereof. 2,473,797, June 21.

Kalmus, Henry P., Chicago, Ill., assignor to Zenith Radio Corporation. Phonograph pickup with mechanical filter. 2,473,650, June 21.

Katz, Herman, Oakland, Calif. Adjustable target stage. 2,473,651, June 21.

Kayser, Guillaume M. A., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Treatment of alkali cellulose. 2,473,954, June 21.

Kearns, Bernard A., and J. Decker, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Rotary pump and motor hydraulic transmission system. 2,473,711, June 21.

Keating, John P., assignor to Duraknol, Inc., Elkhart, Ind. Electromagnetic mercury relay. 2,474,000, June 21.

Keeler Brass Company, assignee: *See*—
Jakeway, Gerald V.

Keene, Walter L., Dormont, assignor to Superior Steel Corporation, Carnegie, Pa. Composite billet and manufacture thereof. 2,473,686, June 21.

Kegan, Albert I., assignee: *See*—
Lehnherr, June L.

Keiser, Bernhard: *See*—
De Groote, Melvin, and Keiser.

Kelco Company, assignee: *See*—
Steiner, Arnold B., and Rothe.

Keller, Nellie G., and W. J., St. Louis, Mo. Refrigerated fan guard. 2,474,109, June 21.

Keller, William J.: *See*—
Keller, Nellie G. and W. J.

Kellogg, Homer G., Highland Park, assignor to Motor Products Corporation, Detroit, Mich. Method and apparatus for assembling parts. 2,473,590, June 21.

Kemper, Harry C.: *See*—
Groene, William F., and Kemper.
Le Blond, Richard K., and Kemper.

Kendall, Ira H., Potsdam, N. Y., assignor to Cherry-Burrell Corporation, Wilmington, Del. Receptacle handling apparatus. 2,473,955, June 21.

Kephart, John C., assignor to National Alfalfa Dehydrating and Milling Company, Lamar, Colo. Preservation of pigments in alfalfa. 2,474,182, June 21.

Kershaw, Norman G., London, England, assignor, by mesne assignments, to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure relay valve mechanism. 2,473,687, June 21.

Kerst, Donald W., Urbana, Ill., assignor to the United States of America as represented by the Secretary of the Navy. Stereoscopic X-ray pictures with betatron. 2,473,956, June 21.

Kienle, Roy H., Bound Brook, and G. P. Whitcomb, Watchung, N. J., assignors to American Cyanamid Company, New York, N. Y. Nonionic surface active agent. 2,473,798, June 21.

Kilner, Frederick E., assignor to Dowty Equipment Limited, Cheltenham, England. Valve. 2,473,591, June 21.

King, Etta E., and D. P. Tata, Leominster, Mass. Hair curling device. 2,473,957, June 21.

King, Victor L., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Rocket propulsion by reacting alkyl-substituted mononuclear aromatic amines and nitric acid. 2,474,183, June 21.

Kingston, Benson M., Breckenridge, and M. H. McKinsey, Midland, Tex., assignors of one-half to Shell Development Company, San Francisco, Calif., and one-half to The Independent Eastern Torpedo Company, Breckenridge, Tex. Well fluid measurement. 2,473,713, June 21.

Kinney, Joseph, Jr., Bradford Woods, Pa., assignor to American Cladmetals Company. Procedure for making multiply metal stock. 2,473,712, June 21.

Klapman, Sol J., Chicago, Ill. Thermionic vacuum tube circuit for intercommunication systems. 2,473,652, June 21.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Alternating current pulser circuit. 2,473,592, June 21.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Condenser welding system. 2,473,799, June 21.

Kleynen, Petrus H. J. A.: *See*—
Jonker, Johan L. H., and Kleynen.

Klinger Manufacturing Company Limited, The, assignee: *See*—
Collidge, Albert E., Dawes, and Gilbert.

Knight, George H. F., Basingstoke, England. Mounting and driving the land rotor of agricultural or like vehicles. 2,473,800, June 21.

Knight, Theodore M., Alexandria, and D. A. McBee, Vienna, Va. Feed line machine. 2,473,529, June 21.

Knoll, Alvin H., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Making bar soap with ingrained emblems. 2,473,530, June 21.

Knowles, Raymond L.: *See*—
Colton, Henry S., Frischmuth, and Knowles.

Kobe, Inc., assignee: *See*—
Coberly, Clarence J.

Kohnstamm, H., & Co. Inc., assignee: *See*—
Rich, Edward A.

Kranf, Herman C., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Controller. 2,473,880, June 21.

Kreidl, Norbert J., Rochester, N. Y., assignor to Monsanto Chemical Company. Black glass and making. 2,473,958, June 21.

Kriegbaum, George M., and C. C. Haas, Richmond, Ind., assignors to International Harvester Company. Reel drive for planters. 2,473,959, June 21.

Krister, Charles J.: *See*—
Eubank, Lowell D., and Krister.

Kröger, Ferdinand A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Silicate-titanate phosphors. 2,473,960, June 21.

Kroll, Alfred J., Forestville, and A. W. Schnick, assignors to The Cuno Engineering Corporation, Meriden, Conn. Igniter and lamp plug. 2,473,890, June 21.

Kropa, Edward L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Emulsions of polymerizable compositions. 2,473,801, June 21.

Krotz, Alvin S., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rail truck suspension. 2,473,714, June 21.

Kuh, Erwin, New Brunswick, and H. S. Barnaby, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of 2,4,5-triamino-6-hydroxypyrimidine. 2,473,802, June 21.

Kuh, Erwin, New Brunswick, and J. M. Smith, Jr., North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Purifying glutamic acid amides of pteroylglutamic acid. 2,474,184, June 21.

Kushman, Eleanor, assignee: *See*—
West, Harry D.

La Brie, Ludger E., assignor to Hydraulic Brake Company, Detroit, Mich. Master cylinder. 2,473,803, June 21.

Lacey, Robert M., West Orange, N. J., assignor to The Merritt Lacey Corporation, New York, N. Y. Image copying projection machine. 2,474,055, June 21.

Lackoff, Samuel K., Astoria, N. Y., assignor to Telomatic Products, Inc., Passaic, N. J. Centralized music transmission system. 2,474,110, June 21.

Laidig, Alfred H.: *See*—
Okress, Ernest C., and Laidig.

Lamhrechts, Kenneth A., St. Louis, Mo. Necktie and holder assembly. 2,473,593, June 21.

La Mont, Charles T., Milwaukee, Wis. Cumbination comb and toilet article. 2,473,594, June 21.

Lampiris, William, assignor to Geuder, Paeschke & Frey Co., Milwaukee, Wis. Induction can soldering machine. 2,473,755, June 21.

Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Turret type last pulling and relasting machine. 2,473,595, June 21.

Lantec, Clarence W., Bartlett, Ill., assignor to Bietman Electric Company. Disintegrator rotor for hammer mills and the like. 2,473,531, June 21.

Larsen, Leo M., Spokane, Wash. Reciprocating tool. 2,474,056, June 21.

Larson, Glen M.: *See*—
Lewis, Howard H., and Larson.

Lavietes, David P., Brooklyn, N. Y. Smoker's pipe. 2,473,715, June 21.

Lazare, Philippe, Marseille, France. Paintbox. 2,473,532, June 21.

Lebedeff, Michael N., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Method and apparatus for corrugating sheet metal by a reciprocating bender with a pivoted side shaper. 2,473,533, June 21.

Le Blond, R. K., Machine Tool Company, The, assignee: *See*—
Cooper, Nelson D., and Huchty.
Groene, William F., and Kemper.
Le Blond, Richard K., and Kemper.
Waterson, Arthur P.

Le Blond, Richard K., Cincinnati, and H. C. Kemper, Goshen Township, Clermont County, assignors to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Milling machine feed mechanism. 2,473,596, June 21.

Lecher, Hans Z., Plainfield, M. Scalera, Somerville, A. W. Joyce, Plainfield, and W. S. Forster, Maplewood, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing 4-amino-1,8-naphthalic acid imides. 2,474,185, June 21.

Lechthaler, Charles H., J. W. Payne, and P. D. Valas, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Contacting gases and moving particle form solids. 2,474,199, June 21.

Ledoux, Arthur T., Littleton, N. H. Draft control for oil burners. 2,473,804, June 21.

Lee Rubber & Tire Corporation, assignee: *See*—
Carlin, James C., and Lloyd.

Lee, Russell, Wenonah, and F. E. Ray, Mantua, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Moisture content-temperature correlation in a moving bed catalyst regeneration process. 2,474,198, June 21.

Lehmberg, William H.: *See*—
Raymond, James J., and Lehmberg.

Lehnherr, June L., Newton, Kans., assignor of one-third to A. I. Kegan, Chicago, Ill. Cutting device. 2,473,756, June 21.

Leland, George H., Dayton, Ohio. Bomb shackle and release. 2,473,597, June 21.

Leland, George H., Dayton, Ohio. Fabricated rotary solenoid. 2,473,598, June 21.

Lemaigre-Voreaux, Pierre: *See*—
Penon, Rene, and Lemaigre-Voreaux.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Endless track. 2,474,057, June 21.

Lever Brothers Company, assignee: *See*—
Wilson, Arthur D., and Dalziel.

Levine, Irving E., Berkeley, assignor to California Research Corporation, San Francisco, Calif. Oxidation of organic compounds. 2,474,001, June 21.

Levine, Irving E., and W. H. Claussen, Berkeley, assignors to California Research Corporation, San Francisco, Calif. Producing dicarboxylic acid anhydrides. 2,474,002, June 21.

Levy, Marion L., Cleveland, Ohio. Bearing bracket. 2,474,151, June 21.

Levy, Marion L., Cleveland, Ohio. Directional air flow louver. 2,474,152, June 21.

Lewis, Howard B., Venice, and G. M. Larson, Hollywood, Calif. Flexible ammunition chute. 2,473,716, June 21.

Liebel, Robert A., Allentown, Pa. Change of direction rollers. 2,473,599, June 21.

Lifton, Lewis, New York, N. Y. Stabilized brief case. 2,474,003, June 21.

Liger, Andrew W., Westboro, Mass., assignor, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Composition for and method of electrode-position of lead. 2,474,092, June 21.

Lillard, Urban, Miami, Fla. Rifle sight conversion attachment. 2,473,891, June 21.
Lily-Tulip Cup Corporation, assignee: *See*—
Amberg, Walter E.
Linde Air Products Company, The, assignee: *See*—
Lobosco, Roscoe H.
Liquidometer Corporation, The, assignee: *See*—
Edelman, Abraham.
Liska, Raymond H.: *See*—
Verderber, Joseph, and Liska.
Littelfuse, Incorporated, assignee: *See*—
Sundt, Edward V.
Little, Harry C., San Rafael, Calif. Oil burner having air admission and fuel vaporization means. 2,473,653, June 21.
Livesay, Everett G., New Orleans, La. Flame cutting torch machine. 2,474,153, June 21.
Lloyd, Rex R., Boulder City, Nev. Production of magnesium oxide. 2,473,534, June 21.
Lloyd, Robert R.: *See*—
Carlin, James C., and Lloyd.
Lobl Manufacturing Company, The, assignee: *See*—
Porter, Malcolm E.
Lobosco, Roscoe R., Elizabeth, N. J., assignor to The Linde Air Products Company. Coating work with an electron-emissive material to improve inert gas-shielded refractory-electrode alternating current arc welding. 2,473,600, June 21.
Lobosco, Roscoe R., Elizabeth, N. J., assignor to The Linde Air Products Company. Gas shielded direct-current arc welding. 2,473,601, June 21.
Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of ethyleneurea. 2,474,004, June 21.
Loeser, George H., Maiden, and C. C. Gangie, Woburn, assignors to United-Carr Fastener Corporation, Cambridge, Mass. Rotary cleaning tool. 2,473,654, June 21.
Logan, Howard E., assignee: *See*—
Domke, Edward A.
Lohn, Leif K., Norwich, N. Dak. Combine platform control. 2,473,655, June 21.
Loisy, René A.: *See*—
Beja, Maurice, and Loisy.
Long, James L. Levy, assignor of twenty per cent to G. Moody, twenty per cent to A. Jones, and twenty per cent to S. D. Gray, North Little Rock, Ark. Dash-controlled hydraulic jack. 2,473,757, June 21.
Lorain Products Corporation, assignee: *See*—
Pohm, George H.
Loumiet et Lavigne, Jean, Plays de la Teja, Itabo, Cuba. Fluid separator. 2,473,602, June 21.
Ludwig, Leon R., Wilkinsburg, and R. P. Baker, Turtle Creek, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,473,892. June 21.
Lyle, Frederick W., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Object detecting and indicating device. 2,473,893, June 21.
Lynn, Clarence, Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Furnace structure. 2,473,894, June 21.
Lyon, Norman W., and R. E. Brown, Springfield, assignors to Package Machinery Company, East Longmeadow, Mass. Machine for forming article supporting pallets for wrapping machines. 2,473,656, June 21.
MacGregor, Frank A., assignor to Humphreys & Glasgow Limited, Westminster, England. Stack valve of water gas generators and the like. 2,474,111, June 21.
Maeder, Abbott S., deceased, by L. M. Murphy, administratrix, East Hempstead, N. Y., assignor to The Sperry Corporation. Switching and modulation system. 2,473,535, June 21.
Maillen & Benson, Inc., assignee: *See*—
Maillen, Harry D.
Maillen, Harry D., assignor to Maillen & Benson, Inc., Long Beach, Calif. Tip cleaner holder. 2,473,758, June 21.
Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Two-cycle opposed piston engine. 2,473,759, June 21.
Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Internal-combustion engine. 2,473,760, June 21.
Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Speed control for internal-combustion engines. 2,473,761, June 21.
Mallory, Marion, assignor to The Mallory Research Company, Detroit, Mich. Speed control for internal-combustion engines. 2,473,762, June 21.
Mallory, Marion, Detroit, Mich. Ignition timing control means for internal-combustion engines. 2,473,805, June 21.
Mallory, Marion, Detroit, Mich. Engine governor. 2,473,806, June 21.
Mallory, Marion, Detroit, Mich. Engine governor. 2,473,807, June 21.
Mallory, Marion, Detroit, Mich. Fuel temperature control for internal-combustion engines. 2,473,808, June 21.
Mallory Research Company, The, assignee: *See*—
Mallory, Marion.
Mandt, Obert G., and A. S. Millikin, assignors to The Jaeger Machine Company, Columbus, Ohio. Machine or apparatus for surfacing roads. 2,473,961, June 21.
Marks, Milton M., assignor to Crane Co., Chicago, Ill. Reinforced core. 2,474,180, June 21.
Markson, Alfred A., Mount Lebanon, assignor, by mesne assignments, to Hagen Corporation, Pittsburgh, Pa. Pressure totalizing device. 2,473,717, June 21.
Maron, Meyer, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Oscillograph circuit to avoid distortion. 2,473,718, June 21.
Marrocco, Guy D., Brooklyn, assignor to Carman & Co., Inc., New York, N. Y. Safety pin. 2,474,112, June 21.
Martin, Gustav J., and H. Urist, assignors to The National Drug Company, Philadelphia, Pa. 2-acetoxybenzyl acetylsalicylate. 2,474,005, June 21.
Martin, Lynn P.: *See*—
Olson, Wilbur K., and Martin.
Martin, Lynn P., assignor to W. A. Scheaffer Pen Company, Fort Madison, Iowa. Clip for writing instruments. 2,473,688, June 21.
Mathey, Donald N., Platte, S. Dak. Holder attachment for wagons. 2,473,763, June 21.
Mathieson Chemical Corporation, assignee: *See*—
Woodward, Eric R.
Maw, Harold J.: *See*—
Smith, Ellis, Crabtree, Naylor, and Maw.
Maycock, Russel L., Oakland, assignor to Shell Development Company, San Francisco, Calif. Rotary contactor for fluids. 2,474,006, June 21.
Maycock, Russel L., Oakland, assignor to Shell Development Company, San Francisco, Calif. Method of and apparatus for contacting fluids. 2,474,007, June 21.
McBee, David A.: *See*—
Knight, Theodore M., and McBee.
McBee, Lance T., Paris Island, S. C. Cervical splint. 2,474,200, June 21.
McCauley, Clandius R., New Orleans, La. Liquid level translating means. 2,474,154, June 21.
McClintock, Edward H., West Springfield, Mass. Window frame and sash. 2,473,657, June 21.
McCoy, Harry E., U. S. Navy. Device to reproduce timing disks. 2,473,536, June 21.
McCullough, Paul J., assignor, by mesne assignments, to The Toastswell Company, Incorporated, St. Louis, Mo. Automatic toaster. 2,473,719, June 21.
McCutcheon, Frank G., Henryetta, Okla., assignor to The Eagle-Picher Company. Recovering cadmium. 2,473,962, June 21.
McDonald, Harry W., Kansas City, Mo. Rotary bit operating mechanism. 2,473,537, June 21.
McIntire, Otis R., assignor to The Dow Chemical Company, Midland, Mich. Liquid styrene-butadiene interpolymers. 2,473,538, June 21.
McKelvey, Robert E., Los Angeles, Calif. Speed selection unit. 2,473,963, June 21.
McKinsey, Mark H.: *See*—
Kingston, Benson M., and McKinsey.
McLaughlin, Kenneth M.: *See*—
Pryalak, Nicholas E., and McLaughlin.
McNeill, Locksley D., Winnipeg, Manitoba, Canada. Collar stiffener. 2,474,058, June 21.
Meacham, Lamed A., New Providence, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Stabilization of cathode beam tubes. 2,473,691. June 21.
Mednick, Philip, Brooklyn, N. Y. Chair. 2,473,895, June 21.
Melzer, Julius F., Port Chester, N. Y. Heating apparatus. 2,474,155, June 21.
Merck & Co., Inc., assignee: *See*—
Wolf, Frank J.
Merriam, Charles J., Winnetka, Ill., assignor, by mesne assignments, to Guardite Corporation, Wilmington, Del. High-frequency drying. 2,473,539, June 21.
Merritt Lacey Corporation, The, assignee: *See*—
Lacey, Stobert M.
Metafiltration Company Limited, The, assignee: *See*—
Pickard, Joseph A.
Metals & Controls Corporation, assignee: *See*—
Davignon, Ermand H.
Meyer, William H., St. Louis, Mo., assignor to General Steel Castings Corporations, Granite City, Ill. Railway truck pedestal liner. 2,474,008, June 21.
Michiana Products Corporation, assignee: *See*—
Nygren, Carl.
Miehle Printing Press & Manufacturing Company, The, assignee: *See*—
Jacobson, Arthur G.
Peyrebrune, Henri E.
Miklina, Stanley J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frictional servomotor. 2,473,896, June 21.
Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Heater. 2,473,810, June 21.
Miller, Josef H., Seattle, Wash. Marine propeller device. 2,473,603, June 21.
Miller, Raymond J., assignor to Bendix Aviation Corporation, Detroit, Mich. Fluid coupling. 2,473,809, June 21.
Miller, Stanley L., Hinckley, England. Electrical musical instrument. 2,473,897, June 21.

Miller, Tobias, Cleveland Heights, Ohio. Electrical motor and dynamo brush. 2,473,540, June 21.
Miller, William J., assignor to Elliott Bay Mill Co., Seattle, Wash. Roller pressure bar for veneer lathes. 2,473,541, June 21.
Milligan, Lawrence D., Lake Forest, Ill. Broiler. 2,473,658, June 21.
Millikin, Arnold S.: *See*—
Mandt, Obert G., and Millikin.
Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Baak, Albert E.
Sparrow, Hubert T.
Sparrow, Hubert T., and Baak.
Wild, Rudolf F.
Minnesota Mining & Manufacturing Company, assignee: *See*—
Hoover, Howard L.
Mitchell, Donald H.: *See*—
Harris, Fred E., Hegeman, Mitchell, and Snook.
Mochel, Walter E.: *See*—
Hanford, William E., Roland, and Mochel.
Molyneux, Cecil P., Hampton Bays, assignor to Filtors, Incorporated, Long Island City, N. Y. Oil filter and pump combination. 2,474,009, June 21.
Monsanto Chemical Company, assignee: *See*—
Barreto, Antonio.
Hayes, Ralph F.
Kreidl, Norbert J.
Montague, Stephen F., Oswego, assignor, by mesne assignments, to The Diamond Match Company, New York, N. Y. Apparatus for forming wooden spoons from blanks. 2,473,720, June 21.
Montclair Research Corporation, assignee: *See*—
Rost, John H.
Montgomery, H. E., assignee: *See*—
Compton, Henry P.
Montgomery, Terryl B., Wauwatosa, and T. H. Bloodworth, Waukesha, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Current limiting system for Ward-Leonard drives. 2,473,721, June 21.
Moody, Glen, assignee: *See*—
Long, James I.
Moore Enmeling & Manufacturing Company, The, assignee: *See*—
Moore, Walter B.
Moore, Walter B., Coshocton, assignor to The Moore Enameling & Manufacturing Company, West Lafayette, Ohio. Handle for cooking utensils. 2,473,964, June 21.
Morgan Construction Company, assignee: *See*—
Hitchcock, John H.
Morrison, James J., and A. L. Duna, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Self-supporting aerial electric conducting cable. 2,473,965, June 21.
Morrison, Frederick C., Buffalo, N. Y. Inclined current hydraulic separator. 2,474,059, June 21.
Mosher, James N., South Bend, Ind. Cabinet and exercising device. 2,474,060, June 21.
Motor Products Corporation, assignee: *See*—
Kellogg, Homer G.
Motor Research Corporation, assignee: *See*—
Allison, William D.
Motor Wheel Corporation, assignee: *See*—
Miller, John W.
Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Producing thin microporous silica coatings having reflection reducing characteristics and the articles so coated. 2,474,061, June 21.
Mowat, John H., and J. H. Boothe, Pearl River, assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Desoxy iso-xanthopterins and making same. 2,473,811, June 21.
Muntwyler, Charles L., Oak Park, and E. J. Frank, Cicero, assignors to AA Wire Products Co., Chicago, Ill. Garment hanger. 2,473,898, June 21.
Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Blade magazine. 2,473,812, June 21.
Murphy, Daniel W., West Islip, N. Y. Undergarment for men. 2,473,692, June 21.
Murphy, Gerald E., Portsmouth, Ohio. Clamping ring. 2,474,062, June 21.
Murphy, Howard, Glen Ridge, N. J., assignor to Curtiss-Wright Corporation. Articulated and universal joint for propellers and other mechanisms. 2,473,899, June 21.
Murphy, Lauretta M., administratrix: *See*—
Maeder, Abbott S.
Musgrave, Herman C., East Cleveland, assignor to Towmotor Corporation, Cleveland, Ohio. Industrial truck. 2,473,859, June 21.
Muth, Frank W., Green Island, N. Y. Page notching device. 2,473,604, June 21.
Myers, Latimer D., and J. D. Fitzpatrick, assignors to Emery Industries, Inc., Cincinnati, Ohio. Plasticizer. 2,474,010, June 21.
Nachman Corporation, assignee: *See*—
Gleason, William W.
Namenyi-Katz, Laszlo, London, assignor of one-half to Pursehill Laboratories Limited, Boreham Wood, England. Counting mechanism. 2,474,158, June 21.
Napier, D., & Son Limited, assignee: *See*—
Chambertin, Reginald H. D., Wynne, and Skellern.
Sammons, Herbert, and Cowdrey.
National Alfalfa Dehydrating and Milling Company, assignee: *See*—
Kephart, John C.
National Blank Book Company, assignee: *See*—
Schade, John.
National Cash Register Company, The, assignee: *See*—
Adams, Clyde S.
National Drug Company, The, assignee: *See*—
Martin, Gustav J., and Urist.
National Smelting Company Limited, The, assignee: *See*—
Robson, Stanley.
Navy, United States of America, as represented by the Secretary of the, assignee: *See*—
Kerst, Donald W.
Ross, Donald E.
Schuck, Oscar H.
Naylor, Sydney: *See*—
Smith, Ellis, Crabtree, Naylor, and Maw.
Needlman, Barney, Chicago, Ill. Display alarm. 2,474,157, June 21.
Neely, William H., assignor to The Universal Wire Spring Company, Cleveland, Ohio. Spring clip. 2,474,158, June 21.
Nelson, Alex A., Pleasant Ridge, Mich. Molding hollow articles. 2,473,722, June 21.
Nelson, Alex A., Pleasant Ridge, Mich. Making prosthesis. 2,473,723, June 21.
New England Plastic Co., Inc., assignee: *See*—
Eastman, Nathaniel.
Newton, Herman S., Temple, Tex. Brush sander head. 2,474,063, June 21.
New York Air Brake Company, The, assignee: *See*—
Huber, Howard E. and M. W.
Nicaro Nickel Company, assignee: *See*—
Hills, Robert C., and Dufour.
Nicewander, Daniel A.: *See*—
Hillyer, John C., and Nicewander.
Norwood Company, The, assignee: *See*—
Bode, Robert G.
Nygren, Carl, Michigan City, Ind., assignor to Michiana Products Corporation. High-temperature fan. 2,473,813, June 21.
Nygren, Carl, Michigan City, Ind., assignor to Michiana Products Corporation. High-temperature fan. 2,473,814, June 21.
Oakley, John, Springfield, assignor to Perkins Machine and Gear Company, West Springfield, Mass. Tool apparatus. 2,473,815, June 21.
Okress, Ernest C., Montclair, and A. H. Laidig, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high frequency coupler between contiguous ends of aligned wave guide sections. 2,473,724, June 21.
Olson, Albert M., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Control system for fluid motors. 2,474,187, June 21.
Olson, Wilbert E., St. Paul, Minn. Quick-change gun sight. 2,473,966, June 21.
Olson, Wilbur K., and L. P. Martin, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Clip for writing instruments. 2,473,690, June 21.
Orelind, John E., Wilmette, Ill., assignor to International Harvester Company. Speed controlled centrifugal valve. 2,473,967, June 21.
Orlando, Anthony, Bronx, N. Y. Platform type shoe, slipper or the like and making same. 2,473,605, June 21.
Osipow, Lloyd I., Bronx, N. Y. Electric steaming stand. 2,474,113, June 21.
Oswald, Emile, Rockaway Park, N. Y. Hair clip. 2,473,725, June 21.
Overly, Lloyd H., Maryville, Tenn. Structural metal awning. 2,474,011, June 21.
Package Machinery Company, assignee: *See*—
Lyon, Norman W., and Brown.
Padowicz, Henry N., Livingston, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of compounding rosin, resin oil, and polyisobutylene. 2,473,606, June 21.
Paper Patents Company, assignee: *See*—
Cralc, Kenneth A.
Park, Allan J., Lakewood, Ohio. Clamp. 2,473,764, June 21.
Parker, Samuel P., assignor, by mesne assignments, to Callaway Mills Company, La Grange, Ga. Belting. 2,473,607, June 21.
Parmann, Edwin A., assignor to Furnas Electric Company, Batavia, Ill. Welded structure and assembling same. 2,473,660, June 21.
Patents, Inc., assignee: *See*—
Colquitt, Odie.
Paton, Richard T., New York, N. Y. Corneal trephine. 2,473,968, June 21.
Paul, Joseph, Milwaukee, Wis. Sanding block. 2,474,064, June 21.
Payne, John W.: *See*—
Lechthaler, Charles H., Payne, and Valas.
Payne, W. Harvey, & Co., assignee: *See*—
Payne, William H.
Payne, William H., Hinsdale, assignor to W. Harvey Payne & Co., Chicago, Ill. Electric pump. 2,473,726, June 21.
Payot, Charles, assignee: *See*—
Ruchti, Charles.

Peabody, Howard B., Lake Forest, assignor to The Pioneer Company, Chicago, Ill. Double-acting solenoid for control of model railroad switches. 2,473,661, June 21.

Pejois, Louis G. A., Asnieres, assignor to P. Rabanit, Paris, France. View taking apparatus. 2,474,159, June 21.

Penon, René, St. Cloud, and P. Lamaigre-Voreaux, Paris, France, assignors to General Electric Company. Electrode coating process. 2,473,900, June 21.

Perkins, Julian L., assignor to Perkins Machine and Gear Company, West Springfield, Mass. Drive mechanism. 2,473,816, June 21.

Perkins Machine and Gear Company, assignee: *See*—
Oakley, John.
Perkins, Julian L.

Permanente Metals Corporation, assignee: *See*—
Byrns, Alva C.

Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, and Keiser.

Peyrebrune, Henri E., River Forest, assignor, by mesne assignments, to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Ductor roller adjustment and method. 2,474,160, June 21.

Pfager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,474,012, June 21.

Phelps, Allen S., Orangeburg, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Production of riboflavin. 2,473,817, June 21.

Phelps, Allen S., Orangeburg, assignor, by mesne assignments, to American Cyanamid Company, New York, N. Y. Producing riboflavin. 2,473,818, June 21.

Philco Corporation, assignee: *See*—
Curtiss, George E., Jr.
Sunstein, David E.

Phillips Petroleum Company, assignee: *See*—
Garretson, Owen L.
Hillyer, John C., and Nicewander.
Platts, Vern O.
Stormont, Joseph E.

Philpott, La Verne R., Washington, D. C. Electric tachometer. 2,473,542, June 21.

Piatkowski, Stephen L., assignee: *See*—
Domke, Edward A.

Pickard, Joseph A., Acton, London, assignor to The Metafiltration Company Limited, Hounslow, England. Lubricating oil filter. 2,474,161, June 21.

Pierce, Lawrence, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Push button operated circuit interrupter. 2,473,901, June 21.

Pioneer Company, The, assignee: *See*—
Peabody, Howard B.

Pipkin, Marvin: *See*—
Jordan, Paul B., and Pipkin.

Pittman, Ralph R., North Little Rock, Ark. Multiple gap arc interrupter. 2,473,819, June 21.

Platts, Vern O., Phillips, Tex., assignor to Phillips Petroleum Company. Liquid flow measuring apparatus. 2,473,765, June 21.

Plock, John, Southold, N. Y. Oyster opening method. 2,473,608, June 21.

Plock, John L., Southold, N. Y. Oyster opening apparatus. 2,473,609, June 21.

Plymold Corporation, assignee: *See*—
Goldman, Paul R.

Pohl, Herman L., San Francisco, Calif., assignor to Dispos-A-Tube, Inc. Enema tube. 2,474,188, June 21.

Pohm, George H., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Rectifying arrangement. 2,473,662, June 21.

Pollard, Charles E., Jr., Hohokus, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mercury contact device. 2,473,693, June 21.

Polymerizable Products Limited, assignee: *See*—
Weizmann, Charles.

Porter, Grover D., Roscoe, Ill. Distribution apparatus. 2,474,065, June 21.

Porter, Malcolm E., assignor to The Lobl Manufacturing Company, Middleboro, Mass. Electric switch. 2,474,189, June 21.

Porter, Malcolm E., assignor to The Lobl Manufacturing Company, Middleboro, Mass. Thermostatic switch. 2,474,190, June 21.

Prahman, Charles E., Cincinnati, Ohio. Unit for hanging and protecting a garment. 2,473,902, June 21.

Preisman, Louis, and C. F. Hobson, assignors to Barium Reduction Corporation, Charleston, W. Va. Making hydrogen sulfide. 2,474,066, June 21.

Preisman, Louis, assignor to Barium Reduction Corporation, Charleston, W. Va. Production of carbon bisulfide and hydrogen sulfide. 2,474,067, June 21.

Procter & Gamble Company, The, assignee: *See*—
Knoll, Alvin H.

Pryalak, Nicholas E., Florham Park, and K. M. McLaughlin, Summit, N. J., assignors to Radio Corporation of America. Ultra high frequency electron discharge device. 2,473,909, June 21.

Purifoy, George R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric control system for vehicle ride stabilizing equipment. 2,473,903, June 21.

Rabanit, Paul, assignee: *See*—
Pejois, Louis G. A.

Radio Corporation of America, assignee: *See*—
Atwood, John B., and Trevor.
Barton, Loy E.
Crosby, Murray G.
Day, James R.
Dimmick, Glenn L.
George, Ralph W.
Graham, George K.
Hansell, Clarence W.
Pryalak, Nicholas E., and McLaughlin.
Wheeler, Benjamin F.
Wickizer, Gilbert S., and Brown.

Ramsaur, Walter R., assignor to The Garrett Corporation, Airresearch Manufacturing Company division, Los Angeles, Calif. Oil cooler having automatic bimetal thermostat controlled shutter. 2,474,162, June 21.

Randolph, Arthur J., Santa Rosa, Calif. Apparatus for the manufacture of studs. 2,473,543, June 21.

Ransom, Jack, Cardiff, Wales, assignor of one-third to E. Sanders, Dunnington, and one-third to E. G. Helliwell, Tettenhall, England. Rocking horse. 2,474,114, June 21.

Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,473,904, June 21.

Rawis Brothers Company, assignee: *See*—
Rawis, Vaughn.

Rawis, Vaughn, assignor to Rawis Brothers Company, Lima, Ohio. Tread lug rebuilding method for tires. 2,474,013, June 21.

Ray, Frederick E.: *See*—
Lee, Russell, and Ray.

Raymond, James J., Newburgh, N. Y., and W. H. Lehmberg, Riverside, Conn., assignors to American Felt Company, Boston, Mass. Making microporous sheet material. 2,474,201, June 21.

Raytheon Air Beam, Inc., assignee: *See*—
Doremus, John A.

Raytheon Manufacturing Company, assignee: *See*—
Anderson, Mauritz L.
Brown, William C.
Dawson, John W.
Faulk, Donald P.
Gardner, Bernard C.
Hall, William M.
Klemperer, Hans.
Richards, Hans K.
Schmidt, Robert C.
Smith, Charles G.
Spencer, Percy L.
Stiefel, Karl J.
Stolberg, Sven A.
Stutsman, Paul W.
Tuller, William G.
Young, Kenneth A.

Read, Julia, New York, N. Y. Pettibra slip. 2,474,115, June 21.

Rehberg, Chessie E., Glenside, and C. H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Polyalkylcyclohexanol acrylates. 2,473,544, June 21.

Reid, Graeme, Essex Fells, N. J. Variable-speed power transmission. 2,473,545, June 21.

Reid, John D., Cincinnati, and P. F. G. Holst, Mount Healthy, assignors to Avco Manufacturing Corporation, Cincinnati, Ohio. Tone control. 2,474,101, June 21.

Reid, Ronald, Iriam, England. Automatic control system. 2,473,905, June 21.

Remington Rand Inc., assignee: *See*—
Thierfelder, Emil F.

Rendel, George H., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Apparatus for measuring differential speed. 2,474,116, June 21.

Rendel, George H., Mount Lebanon, Pa., assignor to Carnegie-Illinois Steel Corporation. Thickness gauge. 2,474,117, June 21.

Renick, Wendell E., Grove City, assignor to The Denison Engineering Company, Columbus, Ohio. Manually operated hydraulic press. 2,473,694, June 21.

Rhinelander Paper Company, assignee: *See*—
Fries, Karl W.

Ricards, Charles L.: *See*—
Tollison, Paul L., and Ricards.

Rich, Edward A., Brooklyn, assignor to H. Kohnstamm & Co. Inc., New York, N. Y. Cover cloth for clothes pressing machines. 2,473,906, June 21.

Richards, Hans K., Chicago, Ill., assignor, by mesne assignments, to Raytheon Manufacturing Company. Magnetron-type phonograph pickup. 2,473,820, June 21.

Richardson, Harry C., assignor to The Troy Sunshade Company, Troy, Ohio. Window mechanism. 2,473,821, June 21.

Riche, Arthur L., Freeport, Ill., assignor to First Industrial Corporation, Wilmington, Del. Snap acting device and electric switch. 2,473,970, June 21.

Richey, Ralph C., Chicago, Ill., assignor to American Box Board Company, Grand Rapids, Mich. Box partition. 2,473,766, June 21.

Ridgely, Neville R., Jr., and C. B. Coleman, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Remote tuner control system. 2,473,907, June 21.

Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Barometer. 2,473,610, June 21.

Riemer, George, Chicago, Ill. Check swing hinge. 2,474,164, June 21.

Riemer, Leonard E., assignee: *See*—
Domke, Edward A.

Riley, Charles P., assignor to American Optical Company, Southbridge, Mass. Gripping means for microscope mechanical stages. 2,474,163, June 21.

Riley Stoker Corporation, assignee: *See*—
Balmer, James A.

Roberts, Ann G., Chestertown, Md. Hair drying apparatus. 2,474,165, June 21.

Roberts, Earl, Easton, Pa. Plural lens camera. 2,473,707, June 21.

Robertson, Edward R., St. Margarets-on-Thames, Twickenham, England, assignor, by mesne assignments, to Fram Corporation, East Providence, R. I. Oil filtering apparatus. 2,473,727, June 21.

Robinson Aviation, Inc., assignee: *See*—
Robinson, Leslie V.

Robinson, Edward A., Pittsburgh, Pa., assignor to Dismond Alkali Company, Cleveland, Ohio. Water softening detergent and making same. 2,473,822, June 21.

Robinson, Leslie V., assignor to Robinson Aviation, Inc., New York, N. Y. Compression testing apparatus. 2,474,118, June 21.

Robson, Stanley, Redland, Bristol, assignor to The National Smelting Company Limited, London, England. Production of zinc. 2,473,611, June 21.

Rockford Machine Tool Company, assignee: *See*—
Halberg, Elmer E., and Verstynen.

Rohm & Haas Company, assignee: *See*—
Roctnick, Hewman M.

Rohrbach, John J., Rochester, assignor to Shuron Optical Company, Inc., Geneva, N. Y. Plastic brace bar spectacle with pivoting lens connections. 2,474,119, June 21.

Roland, John R.: *See*—
Hanford, William E., Roland, and Mochel.

Rose, Francis L.: *See*—
Curd, Francis H. S., and Rose.

Ross, Donald E., Ocean Beach, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Underwater transducer. 2,473,971, June 21.

Rothe, Lloyd B.: *See*—
Steiner, Arnold B., and Rothe.

Ruben, Samuel, New Rochelle, N. Y. Alkaline primary cell. 2,473,546, June 21.

Rubin, Herbert, New York, N. Y. Supporting means for basketball baskets. 2,473,908, June 21.

Ruchti, Charles, assignor of one-third to H. Besson and one-third to C. Payot, Lausanne, Switzerland. Duct element, intended in particular for laying electric cables. 2,473,909, June 21.

Ruchty, Eugene A.: *See*—
Cooper, Nelson D., and Ruchty.

Ruddies, George F., Chicago, Ill. Preserving alkyl metal compounds. 2,473,972, June 21.

Ruiz, Ignacio L., New York, N. Y. Crab trap. 2,473,910, June 21.

Rumsey, Herbert, Jr., Rochester, N. Y. Package. 2,474,120, June 21.

Rumsey, Herbert, Jr., Rochester, N. Y. Package. 2,474,166, June 21.

Rundell, Raymond R., Miami, Fla. Receptacle holder. 2,474,167, June 21.

Rupp, Earl V.: *See*—
Garrard, Howard F., and Rupp.

Rust, John B., Montclair, N. J., assignor to Montclair Research Corporation. Quaternary ammonium compounds and making same. 2,474,202, June 21.

Rutledge, John E., Normandy, Mo., assignor to Curtiss-Wright Corporation. Structural joint. 2,473,728, June 21.

Sacher, Murray H., Staten Island, N. Y., and C. J. Gentile, Waterbury, Conn. Cigarette or like holder and dispenser. 2,474,168, June 21.

Saco-Lowell Shops, assignee: *See*—
Gwaltney, Eugene C.

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Gap closer. 2,473,975, June 21.

Salz, Max, New York, N. Y. Color facsimile apparatus. 2,473,729, June 21.

Sammons, Herbert, Gerrards Cross, and C. L. Cowdrey, Markyate, assignors to D. Napier & Son Limited, London, England. Air intake system of internal-combustion engines. 2,474,068, June 21.

Samuel Stamping and Enameling Company, assignee: *See*—
Shelton, Roy.

Sanders, Arthur F., Penzance, England. Control of fuel-injection engines. 2,474,121, June 21.

Sanders, Eric, assignee: *See*—
Ransom, Jack.

Sands, Robert E., Philadelphia, Pa. Method of and apparatus for finishing garments. 2,473,823, June 21.

Sarra, Mario, New Britain, Conn. Lamp shade. 2,473,768, June 21.

Sarsfield, Norman F., Runcorn, England, assignor to Imperial Chemical Industries Limited. Production of fluorocarbons. 2,473,911, June 21.

Saya, John F., Powersite, Mo. Refrigerating means. 2,473,730, June 21.

Scalera, Mario: *See*—
Lecher, Hana Z., Scalera, Joyce, and Forster.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Ring binder construction. 2,473,665, June 21.

Schelwer, Albert T., Erie, Pa. Coupling. 2,473,973, June 21.

Schinman, Carl E., Seattle, Wash. Support means for oil pipes and electrodes in oil burners. 2,473,769, June 21.

Schlesman, Carleton H., Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Electronic curve plotting device. 2,474,192, June 21.

Schmidt, Robert C., assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,473,547, June 21.

Schmitz, Carl E., assignor to Crane Packing Company, Chicago, Ill. Retainer for fluid seals. 2,474,123, June 21.

Schneck, Frederick W., Santa Monica, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Pilot valve. 2,474,122, June 21.

Schnick, Arthur W.: *See*—
Kroll, Alfred J., and Schnick.

Schuck, Oscar H., Belmont, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Underwater sound detecting and indicating system. 2,473,974, June 21.

Schulman, James H., Cambridge, assignor to Sylvania Electric Products Inc., Salem, Mass. Calcium silicate phosphor. 2,474,198, June 21.

Schultz, Arthur B., Wilmington, Del., assignor to All American Airways, Inc. Parachute leader. 2,474,124, June 21.

Schultz, Arthur B., Wilmington, Del., assignor to All American Airways, Inc. Vehicle based arresting gear. 2,474,125, June 21.

Schutle and Koerting Company, assignee: *See*—
Boehm, Frederick.

Schwinn, Frank W., Chicago, Ill. Tire relief valve. 2,473,912, June 21.

Seagram, Joseph E., & Sons, Inc., assignee: *See*—
Block, Seymour S.

Seaman, Harry J., Milwaukee, Wis. Mixing. 2,473,770, June 21.

Seebold, James E., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion system. 2,474,014, June 21.

Selas Corporation of America, assignee: *See*—
Bennett, Clarence H.

Serval Slide Fasteners, Inc., assignee: *See*—
Voity, Maurice.

Shaff, Ernest H., Spring Lake, Mich., assignor to Cherry Rivet Company, Los Angeles, Calif. Apparatus for upsetting blind rivets having right angle bend in stem. 2,473,913, June 21.

Shapiro, Joseph, assignee: *See*—
Wixon, Paul E., and Chapman.

Shaw, Harold F., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Latch for drop-side cribs. 2,473,914, June 21.

Shaw, Harry, Healy, Whitworth Rochdale, England. Instrument for the measurement of surface finishes. 2,474,015, June 21.

Shawinigan Resins Corporation, assignee: *See*—
Wilson, Wilfred K.

Sheaffer, W. A., Pen Company, assignee: *See*—
Colstad, Charles N.
Martin, Lynn P.
Olson, Wilbur K., and Martin.

Shell Development Company, assignee: *See*—
Kingston, Benson M., and McKinsey.
Maycock, Russel L.
Van den Bussche, Hendrik K. J.

Shelton, Roy, assignor to Samuel Stamping and Enameling Company, Chattanooga, Tenn. Metal radiant for gas heaters. 2,474,169, June 21.

Shepard, Stanley Y., Sr., Atherton, Calif. Iron holder. 2,473,731, June 21.

Shilling, Clark C., San Diego, Calif. Vehicle springing assembly. 2,473,732, June 21.

Shuman, Royal L., Newark, N. J., assignor to Celanese Corporation of America. Trialkyl phenyl phosphates from purified petroleum alkyl phenols. 2,473,612, June 21.

Shumway, Newell S., Phoenix, Ariz. Concrete mold. 2,473,824, June 21.

Shuron Optical Company, Inc., assignee: *See*—
Rohrbach, John J.

Silvera, Americo, assignor to Carrier Corporation, Syracuse, N. Y. Food freezing tunnel. 2,474,069, June 21.

Singer Manufacturing Company, The, assignee: *See*—
Trickey, Philip H.

Skellern, John: *See*—
Chamberlin, Reginald H. D., Wynne, and Skellern.

Slater, Edward G., Muskegon, Mich. Towel rack. 2,473,771, June 21.

Slepian, Joseph, Pittsburgh, and A. B. White, Edgewood, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heating and welding system. 2,473,915, June 21.

Smith, Arthur E., Los Angeles, Calif. Syringe. 2,473,733, June 21.

Smith, Arthur E., Los Angeles, Calif. Hypodermic syringe. 2,473,734, June 21.

Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Communication system. 2,473,612, June 21.

Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Television receiver screen. 2,473,825, June 21.

Smith, Charles G., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical discharge device. 2,473,826, June 21.

Smith, Edwin W.: *See*—
Topham, Laurence E., and Smith.

Smith, Ellis, and N. Crabtree, Bradford, S. Naylor, Wibsey, Bradford, and H. J. Maw, Guiseley, England. Air cleaner for carburetors. 2,474,017, June 21.

Smith, Grant W., Grand Forks, N. Dak., assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of vinylidene compounds in aqueous emulsion in the presence of ionizable silver compounds and ammonia. 2,473,548, June 21.

Smith, Grant W., Grand Forks, N. Dak., assignor to The B. F. Goodrich Company, New York, N. Y. Polymerizing vinylidene compounds in aqueous medium in the presence of silver ion and oxalate ion. 2,473,549, June 21.

Smith, James M., Jr.: *See*—
Kuh, Erwin, and Smith.

Smith, Sydney, Lawrenceville, N. J. Roller bearing assembly. 2,474,016, June 21.

Snook, Harry N.: *See*—
Harris, Fred E., Hegeman, Mitchell, and Snook.

Snyder, Eugene, Philadelphia, assignor to American Chemical Paint Company, Ambler, Pa. Method of and material for protecting and conditioning metal surfaces. 2,473,614, June 21.

Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Relay system. 2,473,916, June 21.

Sobel, Morris: *See*—
Hood, Arthur, Sobel, and Terhune.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Lechthaler, Charles H., Payne, and Valas.
Lee, Russell, and Ray.
Schlesman, Carleton H.

Sokolik, Edward, New Brighton, Minn. Swivel for electric cables. 2,474,070, June 21.

Solomon, William, London, England, assignor to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Manufacture of complex organic antimony compounds. 2,473,735, June 21.

Sowter, Percy F. C., Spondon, near Derby, England, assignor, by mesne assignments, to Celanese Corporation of America. Stretching cellulose acetate filaments. 2,473,615, June 21.

Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Supercharger compression temperature control system. 2,474,018, June 21.

Sparrow, Hubert T., Minneapolis, Minn., and A. E. Baak, Los Angeles, Calif., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,474,203, June 21.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Directly heated cathode. 2,473,550, June 21.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic discharge device of the cavity resonator type. 2,473,827, June 21.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device of the magnetron type. 2,473,828, June 21.

Spencer, Thomas F.: *See*—
Jackson, Herman F., and Spencer.

Sperry Corporation, The, assignee: *See*—
Fragola, Caesar F., and Craddock.
Maeder, Abbott S.

Sprague Specialties Company, assignee: *See*—
Brooks, Lester A.

Standard Oil Company, The, assignee: *See*—
Harris, Robert L.
Seebold, James E.

Stanley, Henry M., Bubl, Minn. Wallpaper trimmer. 2,473,551, June 21.

Staw, Morris, Forest Hills, Long Island, N. Y. Device for heat sealing seams. 2,473,552, June 21.

Steffensen, Einar V.: *See*—
Dunham, Le Roy S., and Steffensen.

Steiner, Arnold B., La Jolla, and L. B. Rothe, assignors to Kelco Company, San Diego, Calif. Stabilizer for icings. 2,474,019, June 21.

Steinert, Emil F., Williamsville, and C. H. Jennings, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Alternating current arc welding system. 2,473,917, June 21.

Stephenson, Basil, Weybridge, assignor to Vickers-Armstrongs Limited, London, England. Elliptical boundary frame for openings in pressure cabins for aircraft. 2,473,610, June 21.

Stern, Nathan Sally, New York, N. Y. Microfilm reader and projecting apparatus. 2,473,736, June 21.

Stetson, Allyn E., Chicago, Ill. Power sprinkler. 2,474,071, June 21.

Stevens, Roy R., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Multivalve control station for servomotors. 2,473,695, June 21.

Stewart-Warner Corporation, assignee: *See*—
Tramontini, Vernon N.

Stiefel, Karl J., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical control system. 2,473,617, June 21.

Stillwagon, George B., Jr., assignor of one-half to K. G. Fraser, Dayton, Ohio. Universal joint. 2,473,618, June 21.

Stokes, Arthur J., Washington, D. C. Method of and apparatus for measuring the film strength of liquids. 2,473,553, June 21.

Stolberg, Sven A., Chicago, Ill., assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Repeat device for automatic phonographs. 2,473,829, June 21.

Stoltz, Glenn E., Pittsburgh, and J. R. Erbe, Mount Lebanon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for electrolytic processes. 2,473,918, June 21.

Stone, Melvin L., East Cleveland, Ohio, assignor to General Electric Company. Method and apparatus for assembling incandescent lamp mounts. 2,473,919, June 21.

Stoner, George H., Seattle, Wash., assignor to Boeing Airplane Company. Air bearing gyroscope. 2,474,072, June 21.

Storment, Joseph E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Level control in packed towers. 2,473,737, June 21.

Streicher, Edwin G., assignee: *See*—
Cumming, Reginald I.

Stuart, Clarence C., assignor to Traffic Transport Engineering, Inc., Dearborn, Mich. Motorcar carrier. 2,473,830, June 21.

Stuart, G. A., assignee: *See*—
Bruen, George C.

Stutsman, Paul W., Needham, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Glow tube rectifier. 2,473,831, June 21.

Stutsman, Paul W., Needham, assignor, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass. Electrical system. 2,473,832, June 21.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Gaseous discharge device. 2,473,833, June 21.

Submarine Signal Company, assignee: *See*—
Beechlyn, John T.
Benioff, Hugo.
Turner, Edwin E., Jr.

Sulzbacher, Max, assignor to Butacet Limited, London, England. Separation of acetone and butyl alcohol from fermented mash by activated charcoal. 2,474,170, June 21.

Sundt, Edward V., Chicago, Ill., assignor to Littelfuse, Incorporated. High-voltage tester and indicator. 2,474,073, June 21.

Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Apparatus for continuously predicting trends in observed data. 2,474,074, June 21.

Superior Steel Corporation, assignee: *See*—
Keene, Walter L.

Sutherland Paper Company, assignee: *See*—
Buttery, Kenneth T.

Swanson, Ziegner, De Kalb, Ill. Slicethickness gauge for slicers. 2,474,171, June 21.

Swiss firm of Ciba Limited, The, assignee: *See*—
Hunziker, Hermann, and Bommer.

Sylvania Electric Products Inc., assignee: *See*—
Goodwin, Vernon D.
Schulman, James H.

Talley, Hyrum M., Alhambra, Calif. Welding apparatus. 2,474,075, June 21.

Talobre, André, Oyonnax, France. Spectacles with interchangeable lenses. 2,473,619, June 21.

Tata, Domenic P.: *See*—
King, Etta E., and Tata.

Taylor, Guy B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fractionation of linear polyamides and products obtained thereby. 2,473,020, June 21.

Taylor, Joseph E., Philadelphia, Pa. Electric locking device. 2,473,664, June 21.

Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Valve. 2,473,620, June 21.

Telomatic Products, Inc., assignee: *See*—
Lackoff, Samuel K.

Terhune, Edgar A.: *See*—
Hood, Arthur, Sobel, and Terhune.

Thatcher, Thomas J., Huntington Station, N. Y. Variable capacity vane pump. 2,473,921, June 21.

Thierfelder, Emil F., Ilion, assignor to Remington Rand Inc., Buffalo, N. Y. Recording and computing machine. 2,473,738, June 21.

Thoenen, Marie, assignee: *See*—
Bruen, George C.

Thompson, Claude H., Binghamton, N. Y. Dispensing container. 2,474,076, June 21.

Thompson, Grinder Company, The, assignee: *See*—
Wilson, John C.

Thorsen, E. M., assignee: *See*—
Bruen, George C.

Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. N-heterocyclic substituted guanamines. 2,474,194, June 21.

Tice, Wayne E.: *See*—
Weyenberg, Henry, and Tice.

Tidwell, Wendell B., assignor to Window-Frame Corporation, Norfolk, Va. Reversible window construction. 2,474,126, June 21.

Timm, John C., Girard, Ohio. Metallic structural element. 2,473,976, June 21.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,475,172, June 21.

Tinnerman Products, Inc., assignee: *See*—
Tinnerman, George A.

Toastswell Company, Incorporated, The, assignee: *See*—
McCullough, Paul J.

Tobias, Cornelius A., Berkeley, Calif. Breathing indicator. 2,473,922, June 21.

Tollison, Paul L., North Plainfield, and C. L. Richards, South Plainfield, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Clamping apparatus for tension locked printing plates. 2,474,127, June 21.

Tonnelier, John E., New York, N. Y. Cable lubricator. 2,474,128, June 21.

Topham, Laurence E., Wenham, and E. W. Smith, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Rounding machine. 2,473,621, June 21.

Townsitor Corporation, assignee: *See*—
Musgrave, Herman C.

Traffic Transport Engineering, Inc., assignee: *See*—
Stuart, Clarence C.

Tramontini, Vernon N., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Welding apparatus. 2,474,129, June 21.

Trevor, Bertram: *See*—
Atwood, John B., and Trevor.

Trickey, Philip H., North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Dual-voltage dual speed capacitor motor. 2,474,195, June 21.

Trinko, Victoria, Downers Grove, Ill. Complete cigarette case. 2,474,173, June 21.

Troy Sunshade Company, The, assignee: *See*—
Richardson, Harry C.

Trumpler, William E., Olean, assignor to Carrier Corporation, Syracuse, N. Y. Compressor with interchangeable stage elements. 2,474,077, June 21.

Trunwell, Harry, St. John, New Brunswick, Canada. Tying device. 2,473,622, June 21.

Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic control system for variable delivery pumps. 2,474,174, June 21.

Tuller, William G., Watertown, assignor to Raytheon Manufacturing Company, Newton, Mass. Coupling between transmitter and wave guide system. 2,473,834, June 21.

Tully, John P., Bellerose, assignor to The Great Atlantic & Pacific Tea Company, New York, N. Y. Produce counter. 2,474,130, June 21.

Turner, Dennis R., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrolytic polishing process. 2,473,923, June 21.

Turner, Edwin E., Jr., West Roxbury, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Interchange of electrical and acoustical energy. 2,473,835, June 21.

Tut, Inc., assignee: *See*—
Tutton, Gordon N.

Tutton, Gordon N., assignor to Tut, Inc., Auburn, N. Y. Enclosing case for fishing rods and the like. 2,473,977, June 21.

Twin Coach Company, assignee: *See*—
Austin, Dwight E., and Fageol.

United-Carr Fastener Corporation, assignee: *See*—
Loeser, George H., and Gangle.

United Shoe Machinery Corporation, assignee: *See*—
Lancaster, John T.
Topham, Laurence E., and Smith.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Egle, Edward J., Jr.

United States Steel Corporation of Delaware, assignee: *See*—
Hammerstrom, Karl R.

Universal Wire Spring Company, The, assignee: *See*—
Neely, William H.

Urist, Harold: *See*—
Martin, Gustav J., and Urist.

Valas, Peter D.: *See*—
Lechthaler, Charles H., Payne, and Valas.

Valentine, Carroll E.: *See*—
Harder, Edwin L., and Valentine.

Van Buskirk, Ernest M., East Moline, Ill., assignor to International Harvester Company. Center divider for tractor-mounted harvesters. 2,473,978, June 21.

Van den Bussche, Hendrik K. J., Delft, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Liquid fuel burner with rotateble atomising cup. 2,474,020, June 21.

Vang, Alfred, New York, N. Y. Electric stored energy resistance welding system. 2,473,772, June 21.

Van Nort, William W. K., Cabin John, Md. Propeller. 2,473,665, June 21.

Van Sickle, Roswell C.: *See*—
Baker, Benjamin P., Van Sickle, and Cumming.

Vendo Company, The, assignee: *See*—
Johnson, Elmer C., and Hagstrom.

Verderber, Joseph, and R. H. Lieka, Cleveland, Ohio. Lawn mower. 2,474,131, June 21.

Vernet, Sergius, Yellow Springs, Ohio. Piston sealing means. 2,474,132, June 21.

Verstynen, Joseph C.: *See*—
Hallberg, Elmer E., and Verstynen.

Vickers-Armstrongs Limited, assignee: *See*—
Stephenson, Basil.

Viehweger, August, Comstock Park, assignor to Grand Rapids Hardware Company, Grand Rapids, Mich. Sash balance. 2,473,666, June 21.

Vining, William H., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of metal compounds. 2,474,021, June 21.

Volty, Maurice, New York, N. Y., assignor to Serval Slide Fasteners, Inc. Apparatus for manufacturing slide fasteners. 2,473,623, June 21.

Von Segebaden, Ernst, Drottningholm, assignor to Arenco Aktiebolag, Stockholm, Sweden. Supporting observers in range-finder systems. 2,474,133, June 21.

Wade, Stanley M., Benicia, Calif. Combined collar holder and tie supporter. 2,473,739, June 21.

Waldman, Harry, assignee: *See*—
Wilson, Christopher R.

Walker, Isaac F., Hockessin, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic linear polyamides and retarding crystallization of said polyamides. 2,473,924, June 21.

Wallace & Tiernan Co. Inc., assignee: *See*—
Booth, George M.

Waller, Coy W., Pearl River, assignor to American Cyanamid Company, New York, N. Y. Purifying pteroylglutamic acid. 2,474,022, June 21.

Walton, George M., Shaker Heights, assignor to Air-Maze Corporation, Cleveland, Ohio. Liquid filter element. 2,473,979, June 21.

War, United States of America as represented by Secretary of, assignee: *See*—
Weiss, Saul.

Warner, Alden Y., Farmington, and W. J. Craven, East Hartford, assignors to The Capewell Manufacturing Company, Hartford, Conn. Quick-release connector for straps and the like. 2,473,554, June 21.

Warner, Michael M., Chicago, Ill. Spray gun. 2,473,667, June 21.

Waterson, Arthur P., Tulsa, Okla., assignor to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio. Hydraulic tool control unit. 2,474,134, June 21.

Webster, Benjamin C., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Lamp holder for double-ended discharge lamps. 2,473,925, June 21.

Weiss, George A., assignee: *See*—
Cumming, Reginald I.

Weiss, Saul, Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Breech-loading mortar with obturator case. 2,473,555, June 21.

Weissmann, Charles, assignor to Polymerisable Products Limited, London, England. Carrying out condensation reactions. 2,474,175, June 21.

Welch, Edward, Valley Falls, R. I. Waterproof garment. 2,473,740, June 21.

Welsh, Oral, assignor to Brown Fintube Company, Elyria, Ohio. Electric resistance welding method. 2,473,668, June 21.

Welty, Albert B., Moline, Ill., assignor to International Harvester Company. Moisture tester for controlling recirculation of material in drying apparatus. 2,474,204, June 21.

Welty, Albert B., Moline, Ill., assignor to International Harvester Company. Pneumatic grain elevator. 2,474,206, June 21.

Wenck, Claude E., Rockford, Ill. Hook and line holder. 2,474,176, June 21.

Wesley, Homer C., Sr., Louisville, Ky. Device for softening beards. 2,473,926, June 21.

West, Harry D., Bay City, assignor of one-half to E. Kushman, Saginaw, Mich. Toothbrush. 2,473,773, June 21.

West, Howard K.: *See*—
Berger, Emil J., and West.

Western Electric Company, Incorporated, assignee: *See*—
Harris, Fred E., Hegeman, Jr., Mitchell, and Snook.
Padowicz, Henry N.

Westinghouse Air Brake Company, The, assignee: *See*—
Hines, Claude M.
Kershaw, Norman G.
Stevens, Roy R.

Westinghouse Electric Corporation, assignee: *See*—
Aldrich, Donald F.
Altfather, Conrad T.
Askey, John S.
Baker, Benjamin P., and Harker.
Baker, Benjamin P., Van Sickle, and Cumming.
Barnun, Herman F.
Baudry, Rene A., and Heller.
Baxter, Harold G.
Beck, Edward F. W.
Becker, Maximilian C.
Boykin, John R.
Bradley, Schuyler L.
Chubbuck, Leonard B.
Claybourn, Glen L.
Hagopian, Richard H.
Harder, Edwin L., and Valentine.
Hein, Carl C.
Hoop, John G.
Hull, Frederick C.
Jennings, Charles H., and Gamber.
Krapf, Herman C.
Ludwig, Leon R., and Baker.
Lyle, Frederick W.
Lynn, Clarence.
Mikina, Stanley J.
Okrent, Ernest C., and Laidig.
Pierce, Lawrence.
Purifoy, George R.
Ridgely, Neville R., Jr., and Coleman.
Slepian, Joseph, and White.
Snyder, Frederick D.
Steinert, Emil F., and Jennings.
Stoltz, Glenn E., and Erbe.
Turner, Dennie R.
White, Alfred B.
Weyenberg, Henry, and W. E. Tice, assignors to Holland Furnace Company, Holland, Mich. Incinerator. 2,473,624, June 21.
Wheeler, Benjamin F., Haddonfield, N. J., assignor to Radio Corporation of America. Motion-picture continuous film editing system. 2,473,625, June 21.
Whitcomb, Gordon P.: *See*—
Kienle, Roy H., and Whitcomb.
White, Alfred B.: *See*—
Slepian, Joseph, and White.
White, Alfred B., Murrysville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for and method of percussive welding. 2,473,927, June 21.
White, Alfred B., Murrysville, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc welding system. 2,473,928, June 21.
White, George H., Hartford, Conn., assignor to The Gray Manufacturing Company. Adjustable earpiece support. 2,474,135, June 21.
White, Gerald E., assignor to White Products Corporation, Middleville, Mich. Tank port and coupling. 2,473,669, June 21.
White, Harvey L., Springfield, Ohio. Magnet for electric bulbs. 2,473,623, June 21.
White Products Corporation, assignee: *See*—
White, Gerald E.
Whitney, F. A., Carriage Company, assignee: *See*—
Shaw, Harold F.
Wickizer, Gilbert S., and E. N. Brown, Riverhead, N. Y., assignors to Radio Corporation of America. Thermocouple with radiating fins. 2,473,627, June 21.
Wilcox, Earl, Jr., Grand Junction, Colo. Adjustable hitch clamp. 2,474,078, June 21.
Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Cathode-ray indicator. 2,474,177, June 21.
Wilder, Warren, and H. Horlacher, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Pattern controlled milling machine. 2,473,741, June 21.
Wiley, Carl A., Xenia, Ohio. Device for controlling oscillating circuits. 2,473,556, June 21.
Willner, Hugo, Vancouver, British Columbia, Canada. Guitar. 2,473,980, June 21.
Wilson, Arthur D., Grays, and W. Dalziel, Birkenhead, England, assignors to Lever Brothers Company. Packing of plastic material. 2,474,136, June 21.
Wilson, Christopher R., assignor of one-half to H. Waldman, Philadelphia, Pa. Rotating wing for aircraft. 2,474,079, June 21.
Wilson, John C., assignor to The Thompson Grinder Company, Springfield, Ohio. Grinding machine. 2,473,670, June 21.
Wilson, Wilfred K., assignor to Shawinigan Resins Corporation, Springfield, Mass. Polymerization process. 2,473,929, June 21.
Window-Frame Corporation, assignee: *See*—
Tidwell, Wendell B.
Winninghoff, Wilford J.: *See*—
Found, Clifton G., and Winninghoff.
Witte, George W., Philadelphia, Pa. Holder for collapsible tubes. 2,474,080, June 21.
Wixon, Paul E., and C. E. Chapman, Baltimore, Md., assignors to J. Shapiro. Paper cup beader. 2,473,836, June 21.
Wolf, Frank J., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. 2- and 4-sulfanilamido quinazoline. 2,473,931, June 21.
Wolf, Gaylord E., Pittsburgh, Pa. Package for dispensing interfolded sheets. 2,473,932, June 21.
Wolf, Menno, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Deflection circuit. 2,473,983, June 21.
Wolf, Morris D., Chicago, Ill. One-person seesaw. 2,474,081, June 21.
Wood, Francis G., East Detroit, Mich. Illuminated radio antenna. 2,473,981, June 21.
Wood, Frederic E., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electromagnetic relay. 2,473,982, June 21.
Wood Newspaper Machinery Corporation, assignee: *See*—
Tollison, Paul L., and Ricards.
Woodruff, Morgan L., Waban, Mass. Davit. 2,473,557, June 21.
Woodward, Eric R., New York, N. Y., assignor to Mathieson Chemical Corporation. Bleaching glyceridic esters. 2,473,930, June 21.
Wuensch, Charles E., Saratoga, Calif. Centrifugal ball mill. 2,473,558, June 21.
Wunder, Franz, St. Louis County, assignor to All-Die, Inc., St. Louis, Mo. Die and die set for shoe parts and the like. 2,473,837, June 21.
Wurzburger, Paul D., Cleveland Heights, Ohio. Pipe coupling. 2,474,178, June 21.
Wutz, John, Chicago, Ill. Skate. 2,474,082, June 21.
Wyandotte Chemicals Corporation, assignee: *See*—
Jillson, Lyman W.
Wyer, Richard F., Rexford, N. Y., assignor to General Electric Company. Gas-shielded alternating current arc welding. 2,474,023, June 21.
Wynne, Charles H. L.: *See*—
Chamberlin, Reginald H. D., Wynne, and Skellern.
Yackley, William J., Peoria, Ill. Crutch. 2,473,671, June 21.
Young, Kenneth A., Waban, assignor to Raytheon Manufacturing Company, Newton, Mass. Coupling system for wave guides. 2,474,137, June 21.
Zakel, Paul, Stockton, Calif. Load ejecting mechanism for carrying scrapers. 2,473,774, June 21.
Zenith Radio Corporation, assignee: *See*—
Kalmus, Henry P.
Zielinski, Joseph, Brooklyn, N. Y. Sprayer nozzle. 2,473,933, June 21.
Ziliotto, Giovanni C., Lake Orion, Mich. Dust collector. 2,473,672, June 21.
Zimmermann, Lukas, Birmingham, Mich. Work rest and forming the same. 2,474,138, June 21.
Zimmerman, Merritt A., assignor to Associated Laboratories, Inc., Cleveland, Ohio. Auxiliary charging device for internal-combustion engines. 2,474,083, June 21.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF JUNE, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Air compressor. C. D. MacCracken. Re. 23,126, June 21.
Cursor, Slide rule. J. J. Smidl. Re. 23,127, June 21.
Hearing aid, Bone conduction. H. Koch. Re. 23,125, June 21.
N-dimethylethanolamine, Preparation of. W. F. Gresham. Re. 23,124, June 21.
Vinyl chloride, Production of. J. F. Weller. Re. 23,128, June 21.

LIST OF DESIGN INVENTIONS

Ash tray and saucer, Combined. O. C. Tweet. 154,224, June 21.
Bag or similar article, Clothespin. P. Gold. 154,200, June 21.
Bagging machine. P. L. Snyder and C. Miller. 154,219, June 21.
Beater, Liquid. J. O. Hutton. 154,202, June 21.
Bowl, Mixing. H. H. Varney. 154,225, June 21.
Brooch or similar article. A. Philippe. 154,214, June 21.
Cabinet or the like, Clothes and shoe. A. P. Finkelstein. 154,199, June 21.
Cap, Container. A. H. Jung. 154,204, June 21.
Chest or similar article, Cake. M. S. Dumke. 154,197, June 21.
Coaster. T. A. Steede and R. C. Prsil. 154,220, June 21.
Comb, Ring. S. Kovacs and D. J. Fulkerson. 154,205, June 21.
Cup, Dinner. H. A. Roberts. 154,217, June 21.
Decanter. J. H. Clark and H. Richards. 154,196, June 21.
Dish, Paper. J. D. Reifsnyder. 154,216, June 21.
Display rack, Merchandise. E. F. Todd. 154,223, June 21.
Doll. E. L. Adams. 154,194, June 21.
Dress. S. J. Goldfarb. 154,201, June 21.
Duplicating machine. R. W. Quirk. 154,215, June 21.
Earring or similar article. A. Philippe. 154,211–13, June 21.
Garment, Feet equipped outer. E. E. Tanner, Jr. 154,222, June 21.
Griddle and skillet, Combination. A. Beck. 154,195, June 21.
Hanger, Clothes. F. B. Kraus. 154,206–7, June 21.
Key chain and watch, Combined extension. N. N. Okun. 154,210, June 21.
Shower fixture. W. H. Melrink. 154,209, June 21.
Spectacle temple. R. F. E. Stegeman. 154,221, June 21.
Stool and control for dental chairs, Combined operator's. C. W. Johnson and J. T. Clark. 154,203, June 21.
Textile fabric. L. MacGregor. 154,208, June 21.
Toothbrush and toothpaste holder or similar article, Combined. H. R. Sigler and C. A. Layatrom. 154,218, June 21.
Vending machine, Popcorn. F. P. Emerson. 154,198, June 21.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21st DAY OF JUNE, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adjustable earpiece support. G. H. White. 2,474,135, June 21.
Adjustable hitch clamp. E. Wilcox, Jr. 2,474,078, June 21.
Adjusting device for pipe wrenches, Jaw. R. A. Conn. 2,473,787, June 21.
Air filter. A. H. Bahnson, Jr. 2,473,501, June 21.
Air intake system of internal-combustion engines. H. Sammons and C. L. Cowdrey. 2,474,068, June 21.
Alarm, Display. B. Needlman. 2,474,157, June 21.
Alcohol, Unsaturated heterocyclic. N. M. Bortnick. 2,473,497, June 21.
Alkaline primary cell. S. Ruben. 2,473,546, June 21.
Alloy: *See*—
Brazing alloy.
Alternating current pulser circuit. H. Klemperer. 2,473,592, June 21.
Ammonia salts of maleic acid, Production of. B. G. Carson. 2,474,089, June 21.
Anthraquinone-C-arylthiazoles, Manufacturing. M. H. Fleysher. 2,473,872, June 21.
Anthrimide-carbazole dyestuffs. H. Hauser and M. Bommer. 2,473,949, June 21.
Apparatus for and method of percussive welding. A. B. White. 2,473,927, June 21.
Apparatus for casting dental restorations. I. Hordes. 2,474,105, June 21.
Apparatus for continuously predicting trends in observed data. D. E. Sunstein. 2,474,074, June 21.
Apparatus for cutting curved plates used in spherical tanks. K. B. Hume. 2,474,149, June 21.
Apparatus for cutting tubes. J. L. Anderson. 2,473,559, June 21.
Apparatus for forming wooden spoons from blanks. S. F. Montague. 2,473,720, June 21.
Apparatus for insertion in color display devices utilizing polarized light for securing changing saturation of specific hues in fixed zones as viewed by observers. F. Burchell. 2,473,857, June 21.
Apparatus for manufacturing slide fasteners. M. Voity 2,473,623, June 21.
Apparatus for measuring differential speed. G. H. Rendel. 2,474,116, June 21.
Apparatus for metering the fuel supplied to prime movers. R. H. D. Chamberlin, C. H. L. Wynne, and J. Skellern. 2,474,033, June 21.
Apparatus for scribing circles on cylindrical members. C. A. Dimmock, Jr. 2,474,041, June 21.
Apperatus for testing the accuracy of movements. C. Berkley. 2,473,700, June 21.
Apparatus for the manufacture of studs. A. J. Randolph. 2,473,543, June 21.
Apparatus for upsetting blind rivets having right angle bend in stem. E. H. Shaff. 2,473,913, June 21.
Arc welding, Electric. H. Edels. 2,473,871, June 21.
Arc welding, Gas shielded direct-current. R. R. Lobosco. 2,473,601, June 21.
Arc welding system. A. B. White. 2,473,928, June 21.
Arc welding system, Alternating current. E. F. Steinert and C. H. Jennings. 2,473,917, June 21.
Armrest. H. H. Harris. 2,474,050, June 21.
Arrester, Lightning. E. F. W. Beck. 2,473,849, June 21.
Arrester, Lightning. E. F. W. Beck and J. S. Ferguson. 2,473,850, June 21.
Assembly for upholstery, Spring. W. W. Gleason. 2,473,706, June 21.
Assembly, Necktie and holder. K. A. Lambrechts. 2,473,593, June 21.
Assembly, Vehicle springing. C. C. Shilling. 2,473,732, June 21.
Atmosphere production. J. G. Hoop. 2,473,525, June 21.
Attachment for wagons, Holder. D. N. Mathey. 2,473,763, June 21.
Awning, Structural metal. L. H. Overly. 2,474,011, June 21.
Axially expansible rotary cutter. D. G. Horr. 2,473,952, June 21.
Baby high chair. B. Felsher. 2,473,991, June 21.
Backstop for electromagnetic devices. M. C. Becker. 2,473,851, June 21.
Bag holder. G. Aspinall. 2,474,025, June 21.
Bait box. J. C. Ganong. 2,473,874, June 21.
Balance, Sash. A. Viehweger. 2,473,666, June 21.
Bar for veneer lathes, Roller pressure. W. J. Miller. 2,473,541, June 21.
Barometer. F. Rieber. 2,473,610, June 21.
Beader, Paper cup. P. E. Wixon and C. E. Chapman. 2,473,836, June 21.
Bearing assembly, Roller. S. Smith. 2,474,016, June 21.
Bearing bracket. M. I. Levy. 2,474,151, June 21.
Belt grader, Endless. B. W. Hatch. 2,474,051, June 21.
Belting. S. P. Parker. 2,473,607, June 21.
Biguanide derivatives. F. H. S. Curd and F. L. Rose. 2,473,980, June 21.
Billet and manufacture thereof, Composite. W. L. Keene. 2,473,686, June 21.
Binder construction, Ring. J. Schade. 2,473,663, June 21.
Bleaching poplar groundwood. K. A. Craig. 2,474,034, June 21.
Block: *See*—
Sanding block.
Boat cover. F. D. Burns. 2,474,031, June 21.
Box: *See*—
Bait box.
Combined photograph album and music box.
Bracket: *See*—
Bearing bracket.
Brazing alloy. F. C. Hull. 2,473,886, June 21.
Breaker, Circuit. H. G. Baxter. 2,473,848, June 21.
Breaking up the charge in electric smelting furnaces. G. M. Hansen. 2,473,681, June 21.
Breathing indicator. C. A. Tobias. 2,473,922, June 21.
Breech-loading mortar with obturator case. S. Weiss. 2,473,555, June 21.
Broiler. L. D. Milligan. 2,473,658, June 21.
Brush, Electrical motor and dynamo. T. Miller. 2,473,540, June 21.
Buff, Goblet. E. F. Doyle. 2,473,869, June 21.
Burner: *See*—
Tray type liquid fuel burner.
Burner with rotatable atomizing cup, Liquid fuel. H. K. J. van den Buesche. 2,474,020, June 21.
Cabin altitude and oxygen use indicator. N. F. Hosford. 2,473,586, June 21.
Cabinet and exercising device. J. N. Mosher. 2,474,060, June 21.
Cabinet having top opening with pedal operated closure, Kitchen. H. A. and H. C. Frothingham. 2,474,101, June 21.
Cable: *See*—
Self-supporting aerial electric conducting cable.
Cable lubricator. J. E. Tonneller. 2,474,128, June 21.
Cadmium, Recovering. F. G. McCutcheon. 2,473,962, June 21.
Calcium silicate phosphor. J. H. Schulman. 2,474,193, June 21.
Can remover, Pry off type jar. N. Eastman. 2,473,870, June 21.
Car body, Double truck mine. K. R. Hammerstrom. 2,473,946, June 21.
Carbon bisulfide and hydrogen sulfide, Production of. L. Preisman. 2,474,067, June 21.
Carbonic acid amides of certain substituted glyoxalidines. M. De Groote and B. Keiser. 2,473,577, June 21.
Carrier: *See*—
Motorcar carrier. Wheeled carrier.
Carrying out condensation reactions. C. Weizmann. 2,474,175, June 21.
Carton for radio tubes and the like. V. D. Goodwin. 2,473,582, June 21.
Case: *See*—
Complete cigarette case. Stabilized brief case.
Case for fishing rods and the like, Enclosing. G. N. Tutton. 2,473,977, June 21.
Cathode, Directly heated. P. L. Spencer. 2,473,550, June 21.
Cathode-ray indicator. R. F. Wild. 2,474,177, June 21.
Centrifugal ball mill. C. E. Wuensch. 2,473,558, June 21.
Centrifugal switch. J. T. Janette. 2,473,998, June 21.
Chair: *See*—
Baby high chair.
Chair. A. Di Renzo. 2,473,745, June 21.
Chair. P. Mednick. 2,473,893, June 21.
Change of direction rollers. R. A. Liebel. 2,473,599, June 21.
Charging device for internal-combustion engines, Auxiliary. M. A. Zimmerman. 2,474,083, June 21.
Chart holder. R. C. Dehmel. 2,474,097, June 21.
Chuck, Independent leverage. W. A. Ashton. 2,473,935, June 21.
Chute, Flexible ammunition. H. B. Lewis and G. M. Larson. 2,473,716, June 21.

Circuit: *See*—
Alternating current pulser Deflection circuit.
circuit.
Circuit for intercommunication systems, Thermionic vacuum tube. S. J. Klapman. 2,473,652, June 21.
Circuit interrupter, Push button operated. L. Pierce. 2,473,901, June 21.
Circuit to avoid distortion, Oscillograph. M. Maron. 2,473,718, June 21.
Circuits, Electrical. D. P. Faulk. 2,473,640, June 21.
Circuits, Pulse integrating. J. R Day 2,474,040, June 21.
Circuits with double control, Amplifier. J. L. H. Jonker and P. H. J. A. Kleynen. 2,473,754, June 21.
Clamp: *See*—
Adjustable hitch clamp.
Clamp. A. J. Park. 2,473,764, June 21.
Clamping apparatus for tension locked printing plates. P. L. Tollison and C. L. Ricards. 2,474,127, June 21.
Clamping ring. G. E. Murphy. 2,474,062, June 21.
Cleaner for carburetors, Air. E. Smith, N. Crabtree, S. Naylor, and H. J. Maw. 2,474,017, June 21.
Cleaning composition, Acid. F. N. Alquist and C. W. Hopkins. 2,474,170, June 21.
Cleaning device, Diaper. G. L. Berry. 2,473,852, June 21.
Cleaning metal catalysts with alcoholic caustic solution. M. H. Gwynn. 2,473,880, June 21.
Clip: *See*—
Hair clip. Spring clip.
Clip for writing instruments. C. N. Colstad. 2,473,689, June 21.
Clip for writing instruments. L. P. Martin. 2,473,688, June 21.
Clip for writing instruments. W. K. Olson and L. P. Martin. 2,473,690, June 21.
Closer, Gap. E. St. Pierre. 2,473,975, June 21.
Coating of magnesium, Anodic. H. K. De Long. 2,474,181, June 21.
Coating process, Electrode. R. Penon and P. Lamaigre-Voreaux. 2,473,900, June 21.
Coating work with an electron-emissive material to improve inert gas-shielded refractory-electrode alternating current arc welding. R. R. Lobosco. 2,473,600, June 21.
Code teacher, Telegraphic. H. M. Herman. 2,473,749, June 21.
Coil, Dynamoelectric machine field. J. S. Askey. 2,473,842, June 21.
Coking high volatile coal involving incorporation therein of a limited amount of blast furnace flue dust. G. E. Brandon. 2,473,987, June 21.
Collar holder and tie supporter, Combined. S. M. Wade. 2,473,739, June 21.
Collar stiffener. L. D. McNeill. 2,474,058, June 21.
Combination comb and toilet article holder. C. T. La Mont. 2,473,594, June 21.
Combination sink and dining table. J. D. Clawsey. 2,473,862, June 21.
Combined photograph album and music box. A. H. and P. F. Cannizzaro. 2,473,038, June 21.
Communication system. C. G. Smith. 2,473,613, June 21.
Compass system, Gyro flux valve. C. F. Fragola and R. V. Craddock. 2,473,516, June 21.
Complete cigarette case. V. Trinko. 2,474,173, June 21.
Complex organic antimony compounds, Manufacture of. W. Solomon. 2,473,735, June 21.
Composite metal. E. H. Davignon. 2,474,038, June 21.
Composite metal having a nickel-plated beryllium-copper base and gold or silver bonded thereto by a copper-plated iron sheet, Forming. E. H. Davignon. 2,474,039, June 21.
Composition for and method of electrodeposition of lead. A. W. Liger. 2,474,092, June 21.
Compounds, Preserving alkyl metal. G. F. Ruddles. 2,473,972, June 21.
Compounds, Production of metal. W. H. Vining. 2,474,021, June 21.
Compressor with interchangeable stage element. W. E. Trumpler. 2,474,077, June 21.
Concrete mold. N. S. Shumway. 2,473,824, June 21.
Conductor, Electrical. L. A. Brooks. 2,473,985, June 21.
Connector for straps and the like, Quick-release. A. Y. Warner and W. J. Craven. 2,473,554, June 21.
Constant-speed electric motor. C. T. Altfather. 2,473,839, June 21.
Contact device, Mercury. C. E. Pollard, Jr. 2,473,693, June 21.
Contact means. C. C. Hein. 2,473,884, June 21.
Contacting gases and moving particle form solids. C. H. Lechthaler, J. W. Payne, and P. D. Valas. 2,474,199, June 21.
Contactor for fluids, Rotary. R. L. Maycock. 2,474,006, June 21.
Contactor for movable shafts, Electrical. R. W. George. 2,473,705, June 21.
Container: *See*—
Dispensing container.
Container closing apparatus. E. Henschen and S. W. Dennis. 2,473,523, June 21.
Control apparatus. H. F. Barsun. 2,473,845, June 21.
Control apparatus. H. T. Sparrow and A. E. Baak. 2,474,203, June 21.
Control apparatus, Pressure. A. E. Baak. 2,473,776, June 21.
Control circuits, Automatic frequency. M. G. Crosby. 2,473,790, June 21.
Control for internal-combustion engines, Fuel temperature. M. Marion. 2,473,808, June 21.
Control for internal-combustion engines, Speed. M. Mallory. 2,473,761-2, June 21.
Control for oil burners, Draft. A. T. Ledoux. 2,473,804, June 21.
Control of fuel-injection engines. A. F. Sanders. 2,474,121, June 21.
Control station for servo-motors, Multivalve. R. R. Stevens. 2,473,695, June 21.
Control system, Automatic. R. Reid. 2,473,905, June 21.
Control system, Electrical. K. J. Stiefel. 2,473,617, June 21.
Control system for electrolytic processes. G. E. Stoltz and J. R. Erbe. 2,473,918, June 21.
Control system for fluid motors. A. M. Olson. 2,474,187, June 21.
Control system for hydraulic machinery. L. A. Camerota. 2,473,676, June 21.
Control system for variable delivery pumps, Hydraulic. W. R. Tucker. 2,474,174, June 21.
Control system for vehicle ride stabilizing equipment, Electric. G. R. Purifoy. 2,473,903, June 21.
Control system, Frequency. J. R. Boykin. 2,473,853, June 21.
Control system, Relay. C. M. Hines. 2,473,683, June 21.
Control system, Remote tuner. N. R. Ridgely, Jr., and C. B. Coleman. 2,473,907, June 21.
Control system, Supercharger compression temperature. H. T. Sparrow. 2,474,018, June 21.
Control system, Voltage. E. L. Deeter. 2,473,512, June 21.
Control unit, Hydraulic tool. A. P. Waterson. 2,474,134, June 21.
Controller. H. C. Krapf. 2,473,889, June 21.
Conversion attachment, Rifle sight. U. Lillard. 2,473,891, June 21.
Conversion system, Catalytic. J. E. Seebold. 2,474,014, June 21.
Cooler having automatic bimetal thermostat controlled shutter, Oil. W. R. Ramseur. 2,474,162, June 21.
Core, Reinforced. M. M. Marks. 2,474,186, June 21.
Corneal trephine. R. T. Paton. 2,473,968, June 21.
Counter, Produce. J. P. Tully. 2,474,130, June 21.
Counting mechanism. L. Namenyi-Katz. 2,474,156, June 21.
Coupler between contiguous ends of aligned wave guide sections, Ultra high frequency. E. C. Okresa and A. H. Laidig. 2,473,724, June 21.
Coupling: *See*—
Fluid coupling. Pipe coupling.
Coupling. A. T. Schweier. 2,473,973, June 21.
Coupling between transmitter and wave guide system. W. G. Tuller. 2,473,834, June 21.
Coupling system for wave guides. K. A. Young. 2,474,137, June 21.
Cover: *See*—
Boat cover.
Cover cloth for clothes pressing machines. E. A. Rich. 2,473,906, June 21.
Cover for telephone desk sets, Decorative. C. H. and M. E. Allen. 2,473,775, June 21.
Crab trap. I. L. Ruiz. 2,473,910, June 21.
Crude oil, Treatment of. R. L. Harris. 2,473,522, June 21.
Crutch. W. J. Yackley. 2,473,671, June 21.
Cup with rounded bottom, Conical paper. W. E. Amberg. 2,473,840, June 21.
Curling device, Hair. E. E. King and D. P. Tate. 2,473,957, June 21.
Cutter: *See*—
Axially expansible rotary cutter.
Cutting device. J. L. Lehnherr. 2,473,756, June 21.
Cutting machine of the hammer-driven cutter blade type, Portable brush and tree. A. E. Cuthrell. 2,474,037, June 21.
Cylinder, Master. L. E. La Brie. 2,473,603, June 21.
Dash-controlled hydraulic jack. J. I. Long. 2,473,757, June 21.
Davit. M. L. Woodruff. 2,473,557, June 21.
Deflection circuit. M. Wolf. 2,473,983, June 21.
Desoxy iso-xanthopterins and making same. J. H. Mowat and J. H. Boothe. 2,473,811, June 21.
Detergent and making same, Water softening. E. A. Robinson. 2,473,822, June 21.
Device and process for twisting and spinning. E. C. Gwaltney. 2,473,520, June 21.
Device for controlling oscillating circuits. C. A. Wiley. 2,473,556, June 21.
Device for expelling static charges from dielectrical substances. H. R. Johnson. 2,473,751, June 21.
Device for heat sealing seams. M. Staw. 2,473,552, June 21.
Device for softening beards. H. C. Wesley, Sr. 2,473,926, June 21.
Device for teaching music. W. H. Coleman. 2,473,988, June 21.
Device to reprodnce timing disks. H. E. McCoy. 2,473,536, June 21.
Dicarboxylic acid anhydrides, Producing. I. E. Levine and W. H. Claussen. 2,474,002, June 21.

Die and die set for shoe parts and the like. F. Wunder. 2,473,837, June 21.
Discharge device, Electrical. C. G. Smith. 2,473,820, June 21.
Discharge device, Electron. R. C. Schmidt. 2,473,547, June 21.
Discharge device, Electronic. W. C. Brown. 2,473,567, June 21.
Discharge device, Gaseous. P. W. Stutsman. 2,473,833, June 21.
Discharge device, Low-pressure electric. C. G. Found and W. J. Winninghoff. 2,473,642, June 21.
Discharge device of the cavity resonator type, Electronic. P. L. Spencer. 2,473,827–8, June 21.
Discharge device of the magnetron type, Electron. P. L. Spencer. 2,473,828, June 21.
Discharge device, Ultra high frequency electron. N. E. Prysiak and K. M. McLaughlin. 2,473,969, June 21.
Dispenser with slitted resilient diaphragm. A. Hammerstein. 2,473,707, June 21.
Dispensing container. C. H. Thompson. 2,474,070, June 21.
Display carton with support. K. T. Buttery. 2,473,635, June 21.
Distribution apparatus. G. D. Porter. 2,474,065, June 21.
Divider for tractor-mounted harvesters, Center. E. M. Van Buskirk. 2,473,978, June 21.
Doctor operating mechanism. A. W. Johnson. 2,474,052, June 21.
Door casing gauge. J. W. Erickson. 2,473,639, June 21.
Drill, Dental. M. F. Grogl. 2,473,583, June 21.
Drive for planters, Reel. G. M. Kriegbaum and C. C. Haas. 2,473,959, June 21.
Drive mechanism. J. L. Perkins. 2,473,816, June 21.
Drive mechanism for automatic lathes. W. F. Groene and H. C. Kemper. 2,474,104, June 21.
Drying apparatus. B. R. Andrews. 2,473,629, June 21.
Drying apparatus, Hair. A. G. Roberts. 2,474,165, June 21.
Dual-voltage dual speed capacitor motor. P. H. Trickey. 2,474,195, June 21.
Duct element, Intended in particular for laying electric cables. C. Ruchti. 2,473,909, June 21.
Dust collector. G. C. Zillotto. 2,473,672, June 21.
Dyestuffs, Anthrimide-carbazole. H. Hauser and M. Rommer. 2,473,950, June 21.
Dyestuffs, Disazo. C. I. Anderson. 2,474,024, June 21.
Dyestuffs, Monoazo. B. J. Heywood. 2,473,885, June 21.
Ejecting mechanism for carrying scrapers, Load. P. Zakel. 2,473,774, June 21.
Electric pump. W. H. Payne. 2,473,726, June 21.
Electric steaming stand. L. I. Osipow. 2,474,113, June 21.
Electric switch. J. Fowler. 2,473,992, June 21.
Electric switch. M. E. Porter. 2,474,189, June 21.
Electrical system. P. W. Stutsman. 2,473,832, June 21.
Electrically and power operated pitch changing mechanism. A. G. Forsyth. 2,474,144, June 21.
Electromagnet, Polarized. W. B. M. Clark. 2,473,939, June 21.
Enema tube. H. L. Pohl. 2,474,188, June 21.
Engine: *See*—
Internal-combustion engine. Two-cycle opposed piston engine.
Equipment, Card filing. G. C. Bruen. 2,473,856, June 21.
Ethylene-urea, Preparation of. D. J. Loder. 2,474,004, June 21.
Evaporator. H. H. Feldstein. 2,473,641, June 21.
Exchanger, Heat. J. A. Balmer. 2,473,561, June 21.
Extinguisher, Fire. H. W. Doughty. 2,474,099, June 21.
Facsimile apparatus, Color. M. Salz. 2,473,729, June 21.
Fan, High-temperature. C. Nygren. 2,473,813–14, June 21.
Fastening device. G. A. Tinnerman. 2,475,172, June 21.
Feed line machine. T. M. Knight and D. A. McBee, 2,473,529, June 21.
Feed mechanism, Milling machine. R. K. Le Blond and H. C. Kemper. 2,473,596, June 21.
Feeding mechanism for lighters, Pyrophoric element. A. Campos. 2,473,636, June 21.
Fermentation of acid hydrolyzed carbohydrate mashes, Microbial. S. S. Block. 2,474,139, June 21.
Film editing system, Motion-picture continuous. B. F. Wheelar. 2,473,625, June 21.
Filter: *See*—
Air filter. Lubricating oil filter.
Filter and pump combination, Oil. C. P. Molyneux. 2,474,009, June 21.
Filter element, Liquid. G. M. Walton. 2,473,979, June 21.
Filtering apparatus, Oil. E. R. Robertson. 2,473,727, June 21.
Filtering system, Lubricant. G. E. Bullock. 2,473,701, June 21.
Fire alarm system. W. B. M. Clark. 2,473,940, June 21.
Firing mechanism. V. A. Browning. 2,474,180, June 21.
Fishhook, Weedless. J. Bergren. 2,473,564, June 21.
Fishing rod holder. E. J. Benes. 2,473,778, June 21.
Fixture for washbasins, Mixing spout. A. Kadish. 2,474,108, June 21.
Floral support. F. C. Brann. 2,473,855, June 21.
Fluid coupling. R. J. Miller. 2,473,809, June 21.
Fluid measurement, Well. B. M. Kingston and M. H. McKinsey. 2,473,713, June 21.
Fluid separator. J. Loumiet et Lavigne. 2,473,602, June 21.
Fluorine compound from a liquid hydrocarbon, Removing a. A. C. Byrns. 2,474,032, June 21.
Fluorocarbons, Production of. N. F. Sarsfield. 2,473,911, June 21.
Fluxes and processes employing them. Foaming galvanizing. L. D. Eubank and C. J. Krister. 2,473,580, June 21.
Fluxes and processes employing them, Foaming-type galvanizing. L. D. Eubank. 2,473,579, June 21.
Fractionation of linear polyamides and products obtained thereby. G. B. Taylor. 2,473,920, June 21.
Frame and sash, Window. E. H. McClintock. 2,473,657, June 21.
Frame for openings in pressure cabins for aircraft, Elliptical boundary. B. Stephenson. 2,473,616, June 21.
Freezer shelf construction. D. Collins. 2,473,508, June 21.
Frequency changer, Static. R. W. Jones. 2,473,999, June 21.
Fuel burner with removable fuel-conducting means, Rotary. C. W. Gibson. 2,473,945, June 21.
Fumigant composition and method. J. M. Bickerton. 2,473,984, June 21.
Fumigating system. A. G. Howard. 2,473,684, June 21.
Furniture structure. C. Lynn. 2,473,894, June 21.
Game device. E. J. Farris. 2,473,680, June 21.
Game, Rotating disk racing. C. F. Boreszewski. 2,473,075, June 21.
Garment hanger. C. L. Muntwyler and E. J. Frank. 2,473,808, June 21.
Garment, Waterproof. E. Welch. 2,473,740, June 21.
Gas-shielded alternating current arc welding. R. F. Wyer. 2,474,023, June 21.
Gauge: *See*—
Door casing gauge. Thickness gauge.
Gauge for slicers, Slice thickness. Z. Swanson. 2,474,171, June 21.
Gear: *See*—
Vehicle based arresting gear.
Glass and making, Black. N. J. Kreidl. 2,473,958, June 21.
Glove, Nonslip golf. C. W. Braswell. 2,474,030, June 21.
Glyceridic esters, Bleaching. E. R. Woodward. 2,473,930, June 21.
Governor, Engine. M. Mallory. 2,473,806-7, June 21.
Governor, Propeller. C. W. Chillson. 2,474,140, June 21.
Grain elevator, Pneumatic. A. B. Welty. 2,474,205, June 21.
Grain threshing and separating machine. R. Crain. 2,473,788, June 21.
Grid structure. B. C. Gardner. 2,473,793, June 21.
Grinding machine. J. C. Wilson. 2,473,670, June 21.
Gripper mechanism, Sheet transfer. A. G. Jacobson. 2,474,150, June 21.
Gripping means for microscope mechanical stages. C. P. Riley. 2,474,163, June 21.
Guard, Refrigerated fan. N. G. and W. J. Keller. 2,474,109, June 21.
Guitar. H. Willner. 2,473,980, June 21.
Gun sight, Lead estimation training reflex. D. L. Hibbard and J. N. M. Howells. 2,473,524, June 21.
Gun sight, Quick-change. W. E. Olson. 2,473,966, June 21.
Gun, Spray. M. M. Warner. 2,473,067, June 21.
Gyroscope, Air bearing. G. H. Stoner. 2,474,072, June 21.
Hair clip. E. Oswald. 2,473,725, June 21.
Hair pad, hairband, or like article. R. J. Horton. 2,474,148, June 21.
Halogenated aromatic compounds, Manufacture of. J. L. Darragh. 2,473,990, June 21.
Handle for cooking utensils. W. B. Moore. 2,473,964, June 21.
Handling apparatus, Receptacle. L. H. Kendall. 2,473,955, June 21.
Hanger: *See*—
Garment hanger.
Harvester for packing lettuce, cabbage, celery and the like. C. E. Houston. 2,473,587, June 21.
Heater: *See*—
Multiple tube forced-draft and air flow air heater. Unit water heater. Wave heater.
Portable heater.
Heater. J. W. Miller. 2,473,810, June 21.
Heater having two-speed control, Airplane. C. H. Bennett. 2,473,699, June 21.
Heating and cooling system for horticultural houses and cloches. E. G. Johnson. 2,473,589, June 21.
Heating and pressing comb. H. F. Jackson and T. F. Spencer. 2,474,106, June 21.
Heating and ventilating system. E. A. Greenlee. 2,474,048, June 21.
Heating and welding system. J. Stepian and A. B. White. 2,473,915, June 21.

Heating apparatus. J. F. Melzer. 2,474,155, June 21.
Heating apparatus, High-frequency dielectric. R. H. Hagoplan. 2,473,881, June 21.
Heavy oil and sand pump. C. J. Coberly. 2,473,864, June 21.
Heterocyclic compound, Preparation of. M. E. Hultquist. 2,473,796, June 21.
High-frequency drying. C. J. Merriam. 2,473,539, June 21.
Hobbyhorse. J. Jensen. 2,473,649, June 21.
Holder: *See*—
Bag holder. Hook and line holder.
Chart holder. Iron holder.
Combination comb and toilet article holder. Paper roll holder.
Fishing rod holder. Receptacle holder.
Tip cleaner holder.
Holder and dispenser, Cigarette or like. M. H. Sacher and C. J. Gentile. 2,474,168, June 21.
Holder for collapsible tubes. G. W. Witte. 2,474,080, June 21.
Holder for double-ended discharge lamps, Lamp. B. C. Webster. 2,473,925, June 21.
Hook and line holder. C. E. Wenck. 2,474,176, June 21.
Horse, Rocking. J. Ransom. 2,474,114, June 21.
Hose connection, Flexible metal. S. Guarnaschelli. 2,473,879, June 21.
Hose connector and valve. O. L. Garretson. 2,473,704, June 21.
Hydrogen sulfide, Making. L. Preisman and C. F. Hobson. 2,474,066, June 21.
Igniter and lamp plug. A. J. Kroll and A. W. Schnick. 2,473,800, June 21.
Ignition timing control means for internal-combustion engines. M. Mallory. 2,473,805, June 21.
Impregnating carbonaceous bodies. L. S. Dunham and E. V. Steffensen. 2,473,943, June 21.
Incinerator. H. Weyenberg and W. E. Tice. 2,473,624, June 21.
Inclined current hydraulic separator. F. C. Morton. 2,474,059, June 21.
Indicator: *See*—
Breathing indicator. Cathode-ray indicator.
Cabin altitude and ozygen use indicator.
Indicator for catheters, Inflation. J. M. Auzin. 2,473,742, June 21.
Inhibiting polymerization and corrosiveness of furfural by mercaptobenzothiazole. J. C. Hillyer and D. A. Nicewander. 2,473,750, June 21.
Inner tube and making the same. J. C. Carlin and R. R. Lloyd. 2,473,784, June 21.
Instrument for the measurement of surface finishes. H. H. Shaw. 2,474,015, June 21.
Instrument mounting. A. D. Coltman. 2,474,196, June 21.
Instrument with magnetic drive, Indicating. G. E. Ford. 2,473,581, June 21.
Interchange of electrical and acoustical energy. E. E. Turner, Jr. 2,473,835, June 21.
Internal-combustion engine. J. Burrough. 2,473,936, June 21.
Internal-combustion engine. M. Mallory. 2,473,760, June 21.
Interrupter, Circuit. B. P. Baker and D. C. Harker. 2,473,843, June 21.
Interrupter, Circuit. B. P. Baker, R. C. Van Sickle, and J. M. Cumming. 2,473,844, June 21.
Interrupter, Circuit. L. R. Ludwig and B. P. Baker. 2,473,892, June 21.
Interrupter, Multiple gap arc. R. R. Pittman. 2,473,819, June 21.
Iron holder. S. Y. Shepard, Sr. 2,473,731, June 21.
Joint. F. N. Bard. 2,473,502, June 21.
Joint for propellers and other mechanisms, Articulated and universal. H. Murphy. 2,473,899, June 21.
Knitting machine. H. E. and C. Crawford. 2,473,677, June 21.
Knob of thermoplastic material, Control. G. V. Jakeway. 2,473,648, June 21.
Jack: *See*—
Dash-controlled hydraulic jack. Lifting jack.
Self-reversing power jack.
Joint: *See*—
Structural joint. Universal joint.
Lactic acid, Producing. K. W. Fries. 2,474,046, June 21.
Lamp of double spiral convolution, Electric. A. Greiner. 2,473,878, June 21.
Last pulling and relasting machine, Turret type. J. T. Lancaster. 2,473,595, June 21.
Latch for drop-side cribs. H. F. Shaw. 2,473,914, June 21.
Lawn mower. J. Verderber and R. H. Liska. 2,474,131, June 21.
Lead-in wire for electric lamps and similar devices. P. B. Jordan and M. Pipkin. 2,473,888, June 21.
Leg support device. W. P. Hamstrom. 2,473,947, June 21.
Lens camera, Plural. E. Roberts. 2,473,767, June 21.
Level control in packed towers. J. E. Storment. 2,473,737, June 21.
Lifting arm for bulldozer blades, Attachable. L. R. Brock. 2,473,505, June 21.
Lifting, braking, and jacking system for vertical-shaft rotating machines. R. A. Baudry and P. R. Heller. 2,473,847, June 21.
Lifting jack. H. D. Freeland. 2,474,045, June 21.
Limiting system for Ward-Leonard drives, Current. T. B. Montgomery and T. H. Bloodworth. 2,473,721, June 21.
Liner, Railway truck pedestal. W. H. Meyer. 2,474,006, June 21.
Liquid level translating means. C. R. McCauley. 2,474,154, June 21.
Liquid styrene-butadiene interpolymers. O. R. McIntire. 2,473,538, June 21.
Lock handle, Safety automobile door. E. H. Cameron. 2,473,937, June 21.
Locking device, Electric. J. E. Taylor. 2,473,664, June 21.
Locking means for rotary operating bars of door fasteners. G. E. Dath. 2,473,679, June 21.
Loop with thermocouple, Pickup. H. Benioff. 2,473,779, June 21.
Louver, Directional air flow. M. I. Levy. 2,474,152, June 21.
Lubricating oil filter. J. A. Pickard. 2,474,101, June 21.
Lubricator: *See*—
Cable lubricator.
Lug rebuilding method for tires, Tread. V. Rawls. 2,474,013, June 21.
Machine for forming article supporting pallets for wrapping machines. N. W. Lyon and R. E. Brown. 2,473,656, June 21.
Machine for manufacturing spherical gears. J. H. Hitchcock. 2,473,709, June 21.
Machine for straightening and sizing castings, forgings, stampings, or the like. C. W. Bell. 2,473,673, June 21.
Machine or apparatus for surfacing roads. C. G. Mandt and A. S. Millikin. 2,473,901, June 21.
Magazine, Blade. J. Muros. 2,473,812, June 21.
Magnesium oxide, Production of. R. R. Lloyd. 2,473,534, June 21.
Magnet for electric bulbs. H. L. White. 2,473,626, June 21.
Making prosthesis. A. A. Nelson. 2,473,723, June 21.
Mallet, Instrument. B. W. Dane. 2,473,865, June 21.
Manganese dioxide, Preparation of. M. Beja and R. A. Loley. 2,473,563, June 21.
Manually operated hydraulic press. W. E. Renick. 2,473,894, June 21.
Mask for aviation, Pressure breathing. H. F. Garrard and E. V. Rupp. 2,473,518, June 21.
Mat, Stove. B. Gershon. 2,474,102, June 21.
Means to eliminate drippage of condensation in open-view frozen food cases. J. A. Brinkoeter. 2,473,781, June 21.
Measurement of light values using automatic gain control in photomultiplier tubes, Photometric. G. L. Dimmick. 2,474,098, June 21.
Measuring apparatus, Liquid flow. V. G. Platts. 2,473,765, June 21.
Measuring mechanism, Angle. F. E. Harris, A. S. Hegeman, Jr., D. H. Mitchell, and H. N. Snook. 2,473,682, June 21.
Metal radiant for gas heaters. R. Shelton. 2,474,169, June 21.
Method and apparatus for assembling incandescent lamp mounts. M. L. Stone. 2,473,919, June 21.
Method and apparatus for assembling parts. H. G. Kellogg. 2,473,590, June 21.
Method and apparatus for corrugating sheet metal by a reciprocating bender with a pivoted side shaper. M. N. Lebedeff. 2,473,533, June 21.
Method and apparatus for feeding sheets. R. T. Chatterton. 2,474,141, June 21.
Method and apparatus for making containers. H. D. Crandon. 2,474,035, June 21.
Method and apparatus for welding structural cages. A. G. Butler. 2,473,858–9, June 21.
Method of and apparatus for contacting fluids. R. L. Maycock. 2,474,007, June 21.
Method of and apparatus for finishing garments. R. E. Sands. 2,473,823, June 21.
Method of and apparatus for measuring the film strength of liquids. A. J. Stokes. 2,473,553, June 21.
Method of and material for protecting and conditioning metal surfaces. E. Snyder. 2,473,614, June 21.
Microporous sheet material, Making. J. J. Raymond and W. H. Lebmberg. 2,474,201, June 21.
Microtome and electrostatic dispersal apparatus therefor. H. R. Johnson. 2,473,753, June 21.
Mill: *See*—
Centrifugal ball mill.
Milling machine, Pattern controlled. W. Wilder and H. Horlacher. 2,473,741, June 21.
Mineral oil compositions and the like. G. H. Denison, Jr., and P. C. Condit. 2,473,511, June 21.
Mixing, Art of. H. J. Seaman. 2,473,770, June 21.
Modulation system. W. M. Hall. 2,473,794, June 21.
Moisture content-temperature correlation in a moving bed catalyst regeneration process. R. Lee and F. E. Ray. 2,474,198, June 21.
Mold: *See*—
Concrete mold.
Mold for concrete blocks, Portable. E. F. Green. 2,473,748, June 21.
Molding hollow articles. A. A. Nelson. 2,473,722, June 21.
Molding lenses and like optical elements. J. Johnson. 2,473,588, June 21.

Motor: *See*—
Constant-speed electric motor.
Rotary combustion motor.
Dual-voltage dual speed capacitor motor.
Motorcar carrier. C. C. Stuart. 2,473,830, June 21.
Mounting: *See*—
Instrument mounting.
Mounting and driving the land rotor of agricultural or like vehicles. G. H. F. Knight. 2,473,800, June 21.
Mounting for electron discharge device of the high-frequency type. J. B. Atwood and B. Trevor. 2,474,026, June 21.
Mounting for racing cars, Poise. E. H. Gillitzer. 2,473,519, June 21.
Multiple tube forced-draft and air flow air heater. G. L. Carter. 2,474,090, June 21.
Musical instrument, Electrical. S. L. Miller. 2,473,897, June 21.
N-heterocyclic substituted guanamines. J. T. Thurston. 2,474,194, June 21.
Notching device, Page. F. W. Moth. 2,473,604, June 21.
Nozzle. F. Boehm. 2,473,674, June 21.
Nozzle, Sprayer. J. Zielinski. 2,473,933, June 21.
Object detecting and indicating device. F. W. Lyle. 2,473,893, June 21.
Oil burner having air admission and fuel vaporization means. H. C. Little. 2,473,653, June 21.
Oiler, Hand. A. G. Anderson. 2,473,696, June 21.
1,3-dioxolane polymers. W. F. Gresham. 2,473,994, June 21.
Ores containing nickel, Reduction of. R. C. Hills and M. F. Dufour. 2,473,795, June 21.
Organic compounds, Oxidation of. I. E. Levine. 2,474,001, June 21.
Oscillator, Concentric line. C. A. Boddie. 2,473,504, June 21.
Oyster opening apparatus. J. L. Plock. 2,473,609, June 21.
Oyster opening method. J. Plock. 2,473,608, June 21.
Package. H. Rumsey, Jr. 2,474,120, June 21.
Package. H. Rumsey, Jr. 2,474,166, June 21.
Package for dispensing interfolded sheets. G. E. Wolf. 2,473,932, June 21.
Packing of plastic material. A. D. Wilson and W. Dalziel. 2,474,130, June 21.
Paintbox. P. Lasare. 2,473,532, June 21.
Panel, Current distribution. E. G. Johansson. 2,473,685, June 21.
Paper roll holder. E. O. Bulman. 2,473,744, June 21.
Paperweight. J. J. Curley. 2,474,036, June 21.
Parachute leader. A. B. Schultz. 2,474,124, June 21.
Partition, Box. R. C. Richey. 2,473,766, June 21.
Pattern mechanism for knitting machines. E. J. Berger and H. K. West. 2,473,503, June 21.
Phenol salts from aqueous solutions, Recovery of. C. W. Berger. 2,474,028, June 21.
Phonograph pickup, Magnetron-type. H. K. Richards. 2,473,820, June 21.
Pickup with mechanical filter, Phonograph. H. P. Kalmus. 2,473,650, June 21.
Pilot valve. F. W. Schneck. 2,474,122, June 21.
Pin: *See*—
Safety pin.
Pipe: *See*—
Smoker's pipe.
Pipe coupling. P. D. Wurzburger. 2,474,178, June 21.
Plasticizer. L. D. Myers and J. D. Fitzpatrick. 2,474,010, June 21.
Plasticising knitted goods made from thermoplastic yarn. A. E. Collidge, E. C. Dawes, and T. A. Gilbert. 2,474,093, June 21.
Platform control, Combine. L. K. Lohn. 2,473,655, June 21.
Plotting device, Electronic curve. C. H. Schleaman. 2,474,192, June 21.
Plug: *See*—
Igniter and lamp plug.
Plug for sealing bores, Expansible. A. Gorskowski. 2,474,047, June 21.
Plugs, Manufacturing attachment. N. Chirelstein. 2,473,570, June 21.
Polishing process, Electrolytic. D. R. Turner. 2,473,923, June 21.
Polyalkyl-cyclohexanol acrylates. C. E. Rebberg and C. H. Fisher. 2,473,544, June 21.
Polychlorophenols in fermentation of carbohydrates. A. Barreto. 2,473,630, June 21.
Polymerizable compositions, Emulsions of. E. L. Kropa. 2,473,801, June 21.
Polymerization of vinylidene compounds in aqueous emulsion in the presence of ionizable silver compounds and ammonia. G. W. Smith. 2,473,548, June 21.
Polymerization process. W. K. Wilson. 2,473,929, June 21.
Polymerized vinyl aromatic materials. R. F. Hayes. 2,473,708, June 21.
Polymerizing vinylidene compounds in aqueous medium in the presence of silver ion and oxalate ion. G. W. Smith. 2,473,549, June 21.
Polymers from ethylene and branched chain vinyl esters. W. E. Hanford, J. R. Roland, and W. E. Mochel. 2,473,996, June 21.
Polyvinyl ketals, Production of. W. R. Cornthwaite and N. W. Flodin. 2,474,095, June 21.
Port and coupling, Tank. G. E. White. 2,473,669, June 21.
Portable heater. J. W. Brown, Jr. 2,473,783, June 21.
Positioning device. E. P. Bullard, III. 2,473,506–7, June 21.
Preparing 4-amino-1,8-naphthalic acid imides. H. Z. Lecher, M. Scalera, A. W. Joyce, and W. S. Forster. 2,474,185, June 21.
Preservation of pigments in alfalfa. J. C. Kephart. 2,474,182, June 21.
Preserving and maintaining color of green vegetables, Art of. L. F. Gieseker. 2,473,747, June 21.
Press: *See*—
Manually operated hydraulic press.
Shear press.
Pressure head, Electric. C. M. Hathaway. 2,474,146, June 21.
Prism system for refractometer of the Abbé-type. J. W. Forrest. 2,474,044, June 21.
Procedure for making multiply metal stock. J. Kinney, Jr. 2,473,712, June 21.
Processing storage battery plates, Machine for. M. F. Chubb. 2,474,091, June 21.
Producing potassium tungstate. H. S. Colton, R. W. Frischmuth, and R. L. Knowles. 2,473,703, June 21.
Production of heat-treating atmospheres, Apparatus for. J. G. Hoop. 2,473,527, June 21.
Projection machine, Image copying. R. M. Lacey. 2,474,055, June 21.
Propeller. G. Annesley. 2,473,697, June 21.
Propeller. W. W. K. Van Nort. 2,473,665, June 21.
Propeller device, Marine. J. H. Miller. 2,473,603, June 21.
Propulsion for aircraft and the like. A. G. Forsyth. 2,474,143, June 21.
Protecting metal surfaces during soldering and brazing processes. C. H. Jennings, and E. R. Gamberg. 2,473,887, June 21.
Pteroylglutamic acid, Purifying. C. W. Waller. 2,474,022, June 21.
Pulverizer having internal flow area adjusting means, Air-swept. G. B. Ebersole. 2,473,514, June 21.
Pump: *See*—
Electric pump.
Heavy oil and sand pump.
Variable capacity vane pump.
Pump and motor hydraulic transmission system, Rotary. B. A. Kearns, and J. Decker. 2,473,711, June 21.
Purifying glutamic acid amides of pteroylglutamic acid. E. Kuh, and J. M. Smith, Jr. 2,474,184, June 21.
Quaternary ammonium compounds and making same. J. B. Rust. 2,474,202, June 21.
Rack: *See*—
Towel rack.
Radio antenna, Illuminated. F. G. Wood. 2,473,981, June 21.
Railway crossing. F. L. Condon. 2,473,941, June 21.
Razor, Electromechanical safety. M. Berger. 2,474,027, June 21.
Reader and projecting apparatus, Microfilm. N. S. Stern. 2,473,736, June 21.
Rearview mirror adjustable by rotation about a median axis. F. J. Aves. 2,473,098, June 21.
Receptacle holder. R. R. Rundell. 2,474,187, June 21.
Reciprocating tool. L. M. Larsen. 2,474,056, June 21.
Recorder, High-speed telegraphy signal. C. W. Hansell. 2,474,049, June 21.
Recording and computing machine. E. F. Thierfelder. 2,473,738, June 21.
Rectifier, Glow tube. P. W. Stutaman. 2,473,831, June 21.
Rectifying arrangement. G. H. Pohm. 2,473,662, June 21.
Reduction of polycyclic aromatic hydrocarbons, Partial. V. L. Hansley. 2,473,997, June 21.
Refacing device, Breaker point. H. C. Bartlow, Sr. 2,474,086, June 21.
Refrigerating apparatus. F. I. Rataiczak. 2,473,904, June 21.
Refrigerating means. J. F. Saye. 2,473,730, June 21.
Refrigerator liner support. G. E. Curtiss, Jr. 2,473,573, June 21.
Register, Cash. M. Demeulenaere. 2,473,509, June 21.
Regulating system. D. F. Aldrich. 2,473,838, June 21.
Regulating system. S. L. Bradley. 2,473,854, June 21.
Regulating system. E. L. Harder and C. E. Valentine. 2,473,882, June 21.
Relay, Electromagnetic. F. E. Wood. 2,473,982, June 21.
Relay, Electromagnetic mercury. J. P. Keating. 2,474,000, June 21.
Relay system. F. D. Snyder. 2,473,916, June 21.
Release for toy guns, Electric. C. Jones. 2,474,054, June 21.
Remote control valve. J. H. Derby. 2,473,867, June 21.
Repeat device for automatic phonographs. S. A. Stolberg. 2,473,829, June 21.
Resins derived from acrylonitrile adducts, Synthetic. J. R. Dudley. 2,473,498, June 21.
Resonator, Variable cavity. J. T. Beechlyn. 2,473,777, June 21.
Retainer for fluid seals. C. E. Schmitz. 2,474,123, June 21.
Retractor, Automatic flap. A. P. Fontaine. 2,473,792, June 21.

Riboflavin, Producing. A. S. Phelps. 2,473,818, June 21.
Riboflavin, Production of. A. S. Phelps. 2,473,817, June 21.
Ring: *See*—
Clamping ring.
Slip ring.
Rocket propulsion by reacting alkyl-substituted mononuclear aromatic amines and nitric acid. V. L. King. 2,474,183, June 21.
Roller adjustment and method, Ductor. H. E. Peyrebrune. 2,474,160, June 21.
Roller, Load supporting. E. A. Domke. 2,473,868, June 21.
Rotary bit operating mechanism. H. W. McDonald. 2,473,537, June 21.
Rotary cleaning tool. G. H. Loeser and C. C. Gangle. 2,473,654, June 21.
Rotary combustion motor. W. A. Cate. 2,473,785, June 21.
Rotor for hammer mills and the like, Disintegrator. C. W. Lanter. 2,473,531, June 21.
Rounding machine. L. E. Topham and E. W. Smith. 2,473,621, June 21.
Rule, Slide. H. H. Goldstaub. 2,473,676, June 21.
Safety pin. G. D. Marrocco. 2,474,112, June 21.
Sander head, Brush. H. S. Newton. 2,474,063, June 21.
Sanding block. J. Paul. 2,474,064, June 21.
Scoop, Handy stoker. O. L. Hulstedt. 2,473,647, June 21.
Scraper, Rotary earth. E. V. Collins. 2,473,786, June 21.
Screen, Television receiver. C. G. Smith. 2,473,825, June 21.
Screw and nut, Antifriction. W. B. Barnes. 2,473,743, June 21.
Screw, Self-locking tappet. C. E. Johnson. 2,473,752, June 21.
Seal for electric lamps and similar devices, Internal exhaust. P. O. Cartun. 2,473,860, June 21.
Seal, Rotary drier. L. W. Jillson. 2,473,710, June 21.
Sealing and positioning means for grinder mechanisms or the like. R. S. Dewey. 2,473,513, June 21.
Sealing means, Piston. S. Vernet. 2,474,132, June 21.
Secondary amines of 3,3 bis(p-aminophenyl) phthalide. C. S. Adams. 2,474,084, June 21.
Seesaw, One-person. M. D. Wolf. 2,474,061, June 21.
Selecting mechanism. O. Fregeolle. 2,473,944, June 21.
Self-reversing power jack. B. Brassell. 2,473,566, June 21.
Self-supporting aerial electric conducting cable. J. J. Morrison and A. L. Duna. 2,473,665, June 21.
Separation of acetone and butyl alcohol from fermented mash by activated charcoal. M. Sulsbacher. 2,474,170, June 21.
Separator: *See*—
Fluid separator.
Inclined current hydraulic separator.
Servomotor, Frictional. S. J. Mikina. 2,473,896, June 21.
Servo operator, Magnetic. N. D. Cooper and E. A. Ruchty. 2,473,572, June 21.
Servo system, Induction motor. J. A. Doremus. 2,473,791, June 21.
Sewing-machine feed. S. Adler. 2,473,934, June 21.
Shackle and release, Bomb. G. H. Leland. 2,473,597, June 21.
Shade, Lamp. M. Sarra. 2,473,708, June 21.
Shaker, Salt and pepper. R. D. Harwood. 2,473,585, June 21.
Sharpening device. A. F. Carlin. 2,473,702, June 21.
Shear press. R. F. Dehn. 2,473,942, June 21.
Shoe, Luminescent. J. Goldstein. 2,473,877, June 21.
Shoe, slipper or the like and making same, Platform type. A. Orlando. 2,473,005, June 21.
Signaling device for vehicles. H. J. Beemer. 2,473,631, June 21.
Silicate-titanate phosphors. F. A. Kroger. 2,473,900, June 21.
Silicon halides, Preparation of. A. J. Barry, J. W. Gilkey, and L. De Pree. 2,474,087, June 21.
Sinker. J. Gross. 2,473,544, June 21.
Skate. J. Wutz. 2,474,082, June 21.
Slip, Petti-bra. J. Read. 2,474,115, June 21.
Slip ring. A. Hood, M. Sobel, and E. A. Terhune. 2,473,526, June 21.
Slivers of artificial fibers, Production of. W. G. Abbott, Jr. 2,473,499, June 21.
Smoker's pipe. D. P. Lavietes. 2,473,715, June 21.
Snap acting device and electric switch. A. L. Riche. 2,473,970, June 21.
Snubbing means. G. E. Dath. 2,473,678, June 21.
Soap with ingrained emblems, Making bar. A. H. Knoll. 2,473,530, June 21.
Soldering machine, Induction can. W. Lampiris. 2,473,755, June 21.
Solenoid, Fabricated rotary. G. H. Leland. 2,473,598, June 21.
Solenoid for control of model railroad switches, Double-acting. H. B. Peabody. 2,473,661, June 21.
Sound detecting and indicating system, Underwater. G. H. Schuck. 2,473,974, June 21.
Spectacle with pivoting lens connections, Plastic brace bar. J. J. Rohrbach. 2,474,119, June 21.
Spectacles with interchangeable lenses. A. Talobre. 2,473,619, June 21.
Speed controlled centrifugal valve. W. H. Herstick. 2,473,948, June 21.
Speed controlled centrifugal valve. J. R. Orelind. 2,473,987, June 21.
Splint, Cervical. L. T. McBee. 2,474,200, June 21.
Spring clip. W. H. Neely. 2,474,158, June 21.
Spring suspension, Vehicle. D. E. Austin and W. B. Fageol. 2,473,500, June 21.
Sprinkler, Power. A. F. Stetson. 2,474,071, June 21.
Stabilization of cathode beam tubes, L. A. Meacham. 2,473,691, June 21.
Stabilization of organic substances. G. H. Denison, Jr., and P. C. Condit. 2,473,510, June 21.
Stabilized brief case. L. Lifton. 2,474,003, June 21.
Stabilizer for icings. A. B. Steiner and L. B. Rothe. 2,474,019, June 21.
Stand: *See*—
Electric steaming stand.
Floral support.
Refrigerator liner support.
Steerable tail wheel. C. Hollerith. 2,473,645, June 21.
Stove, Collapsible camp. J. H. Etches. 2,474,043, June 21.
Store, Portable heat-adjusting charcoal. D. T. Cast. 2,473,569, June 21.
Stretching cellulose acetate filaments. P. F. C. Sowter. 2,473,815, June 21.
Striping of vinyl resin coated wires with ketone dye solutions. R. J. Brown. 2,474,088, June 21.
Structural element, Metallic. J. C. Timm. 2,473,976, June 21.
Structural joint. J. E. Rutledge. 2,473,728, June 21.
Strut, Extensible. R. G. Bode. 2,473,632, June 21.
Support: *See*—
Adjustable earpiece support.
Display carton with support.
Support for ironing boards and the like, Folding. U. K. Johannsen. 2,474,107, June 21.
Support means for oil pipes and electrodes in oil burners. C. E. Schinman. 2,473,709, June 21.
Supporting means for basketball baskets. H. Rubin. 2,473,908, June 21.
Supporting observers in range-finder systems. E. von Segebaden. 2,474,138, June 21.
Surface active agent, Nonionic. R. H. Kienle and G. P. Whitcomb. 2,473,798, June 21.
Suspension, Rail truck. A. S. Krotz. 2,473,714, June 21.
Swing hinge, Check. G. Riemer. 2,474,164, June 21.
Switch: *See*—
Centrifugal switch.
Electric switch.
Snap acting device and electric switch.
Thermostatic switch.
Thermostatically operated switch.
Switch. J. R. Bird. 2,473,565, June 21.
Switchgear, Metal-clad. L. B. Chubbuck. 2,473,861, June 21.
Switching and modulation system. A. S. Maeder. 2,473,585, June 21.
Swivel for electric cables. E. Sokolik. 2,474,070, June 21.
Synthesis of diethyl ketone. W. F. Gresham, R. E. Brooks, and W. E. Grigsby. 2,473,995, June 21.
Synthesis of metal carbonyls. W. F. Gresham and J. V. E. Hardy. 2,473,993, June 21.
Synthetic linear polyamides and process for retarding crystallization of said polyamides. I. F. Walker. 2,473,924, June 21.
Syringe. A. E. Smith. 2,473,733, June 21.
Syringe, Hypodermic. A. E. Smith. 2,473,734, June 21.
System for volume compressions. G. K. Graham. 2,474,103, June 21.
Table: *See*—
Combination sink and dining table.
Tachometer, Electric. L. V. R. Philpott. 2,473,542, June 21.
Target stage, Adjustable. H. Kats. 2,473,651, June 21.
Telephone, Electromagnetic soundpowered. G. L. Dimmick. 2,474,197, June 21.
Tester and indicator, High-voltage. E. V. Sundt. 2,474,073, June 21.
Tester, Flexibility. M. L. Anderson. 2,473,841, June 21.
Tester for controlling recirculation of material in drying apparatus, Moisture. A. B. Welty. 2,474,204, June 21.
Testing apparatus, Compression. L. V. Robinson. 2,474,116, June 21.
Testing machine, Adhesion. D. M. Freedman. 2,473,517, June 21.
Thermocouple with radiating fins. G. S. Wickizer and E. N. Brown. 2,473,627, June 21.
Thermostatic switch. M. E. Porter. 2,474,190, June 21.
Thermostatically operated switch. G. W. Crise. 2,473,780, June 21.
Thickness gauge. G. H. Rendel. 2,474,117, June 21.
Thin microporous silica coatings having reflection reducing characteristics and the articles so coated, Producing. H. R. Moulton. 2,474,061, June 21.
Tip cleaner holder. H. D. Maiden. 2,473,758, June 21.
Tire mounting or demounting device, Fluid pressure actuated. M. M. Cook. 2,473,571, June 21.
Tire relief valve. F. W. Schwinn. 2,473,912, June 21.
Toaster, Automatic. P. J. McCullough. 2,473,719, June 21.
Toe plate for ski bindings. E. H. Carroll. 2,473,637, June 21.
Tone control. J. D. Reid and P. F. G. Holst. 2,474,191, June 21.

Tool: *See*—
Reciprocating tool. Wrecking tool.
Rotary cleaning tool.
Tool apparatus. J. Oakley. 2,473,815, June 21.
Tooth, Artificial. L. Egger. 2,473,515, June 21.
Toothbrush. H. D. West. 2,473,773, June 21.
Torch machine, Flame cutting. E. G. Livesay. 2,474,153, June 21.
Totalizer. A. Edelman. 2,473,578, June 21.
Totalising device, Pressure. A. A. Markson. 2,473,717, June 21.
Towel rack. E. G. Slater. 2,473,771, June 21.
Toy, Rolling. J. Davis. 2,473,574, June 21.
Tracer mechanism for machine tools. E. E. Hallberg and J. C. Verstynen. 2,473,584, June 21.
Track, Endless. R. G. Le Tourneau. 2,474,057, June 21.
Traction device. C. W. Boone. 2,473,782, June 21.
Tractor drive mechanism. G. Albright. 2,474,085, June 21.
Training apparatus, Optical. R. C. Dehmel. 2,474,096, June 21.
Transducer, Electroacoustic. L. E. Barton. 2,473,846, June 21.
Transducer, Underwater. D. E. Ross. 2,473,971, June 21.
Transfer system. G. L. Clayboum. 2,473,863, June 21.
Transformer. E. H. Freeman. 2,473,746, June 21.
Transmission and clutch, Hydraulic. R. I. Cumming. 2,473,638, June 21.
Transmission system, Centralized music. S. K. Lackoff. 2,474,110, June 21.
Transmission, Variable-speed power. G. Reid. 2,473,545, June 21.
Transmitter, Spark. H. Benioff. 2,473,780, June 21.
Trap: *See*—
Crab trap.
Tray or shelf, Stepladder. M. M. Hickey. 2,473,951, June 21.
Tray type liquid fuel burner. K. C. Caldwell. 2,473,568, June 21.
Treatment of alkali cellulose. G. M. A. Kayser. 2,473,954, June 21.
Trialkyl phenyl phosphates from purified petroleum alkyl phenols. R. L. Shuman. 2,473,612, June 21.
Triazolylene triazines and preparation thereof. D. W. Kaiser. 2,473,797, June 21.
Trimmer, Wallpaper. H. M. Stanley. 2,473,551, June 21.
Tripping device. D. I. Bohn. 2,474,029, June 21.
Truck, Industrial. H. C. Musgrave. 2,473,650, June 21.
Truck, Railway. H. M. Pflager. 2,474,012, June 21.
Tube: *See*—
Enema tube.
Tube for brakes, Expander. C. Hollerith. 2,473,646, June 21.
Tubes, pipes, and the like. P. R. Goldman. 2,473,875, June 21.
Tunnel, Food freezing. A. Silvera. 2,474,069, June 21.
Twisting device and method. E. C. Gwaltney. 2,473,521, June 21.
2-acetoxybenzyl acetylsalicylate. G. J. Martin and H. Uriet. 2,474,005, June 21.
2- and 4-sulfanilamido quinazoline. F. J. Wolf. 2,473,931, June 21.
Two-cycle opposed piston engine. M. Mallory. 2,473,759, June 21.
2,4,5-triamino-6-hydroxypyrimidine, Preparation of. E. Kuh, and H. S. Barnaby. 2,473,802, June 21.
Tying device. H. Truswell. 2,473,622, June 21.
Undergarment for men. D. W. Murphy. 2,473,692, June 21.
Unit and system, Heater. E. B. Barnes. 2,473,562, June 21.
Unit for hanging and protecting a garment. C. E. Prahman. 2,473,902, June 21.
Unit, Speed selection. R. E. McKelvey. 2,473,963, June 21.
Unit water heater. E. S. Bagley. 2,473,560, June 21.
Unit, Water purification. G. M. Booth. 2,473,986, June 21.
Universal joint. G. B. Stillwagon, Jr. 2,473,618, June 21.
Utensil, Ice disintegrating. F. W. Earnest, Jr. 2,474,100, June 21.
Utility machine, Power-operated portable general. H. S. Harvey. 2,473,883, June 21.
Valve: *See*—
Hose connector and valve. Speed controlled centrifPilot valve. ugal valve.
Remote control valve. Tire relief valve.
Valve. F. E. Kiliner. 2,473,591, June 21.
Valve. W. D. Teague, Jr. 2,473,620, June 21.
Valve for hydraulic systems, Relief. H. E. and M. W. Huber. 2,473,953, June 21.
Valve mechanism, Fluid pressure relay. N. G. Kershaw. 2,473,687, June 21.
Valve of water gas generators and the like, Stack. F. A. MacGregor. 2,474,111, June 21.
Varisble capacity vane pump. T. J. Thatcher. 2,473,921, June 21.
Vehicle based arresting gear. A. B. Scholtz. 2,474,125, June 21.
Vending machine, Coin controlled package. H. P. Compton. 2,474,142, June 21.
Vending machine with magazine rotating on horizontal axis, Bottle. E. C. Johnson and J. E. Hagstrom. 2,474,053, June 21.
Vibration eliminating apparatus. E. J. Egle, Jr. 2,474,042, June 21.
View taking apparatus. L. G. A. Pejois. 2,474,150, June 21.
Vise or clamp, Toolmaker's. J. M. Frobiom. 2,473,843, June 21.
Water softener. M. Gambill. 2,474,145, June 21.
Water tank and truck body, Combination. O. Colquitt. 2,474,094, June 21.
Wave heater. J. E. Hill and T. M. Ambler. 2,474,147, June 21.
Web and producing same, Unwoven filamentary. H. L. Hoover. 2,473,528, June 21.
Welded structure and assembling same. E. A. Parmann. 2,473,660, June 21.
Welding apparatus. H. M. Talley. 2,474,075, June 21.
Welding apparatus. V. N. Tramontini. 2,474,129, June 21.
Welding fins to tubular members by electric resistance welding. J. W. Brown, Jr. 2,473,633, June 21.
Welding method, Electric resistance. J. W. Brown, Jr. 2,473,634, June 21.
Welding method, Electric resistance. G. Welsh. 2,473,668, June 21.
Welding system. J. W. Dawson. 2,473,576, June 21.
Welding system, Condenser. H. Klemperer. 2,473,799, June 21.
Welding system, Electric stored energy resistance. A. Vang. 2,473,772, June 21.
Welding system, Resistance. J. W. Dawson. 2,473,575, June 21.
Wheel: *See*—
Steerable tail wheel.
Wheeled carrier. E. K. Fosbender. 2,473,873, June 21.
Winding device or winch. W. D. Allison. 2,473,628, June 21.
Window construction, Reversible. W. B. Tidwell. 2,474,126, June 21.
Window mechanism. H. C. Richardson. 2,473,821, June 21.
Wing for aircraft, Rotating. C. R. Wilson. 2,474,079, June 21.
Work rest and forming the same. L. Zimmermann. 2,474,138, June 21.
Wrecking tool. W. J. Davies. 2,473,866, June 21.
X-ray pictures with betatron, Stereoscopic. D. W. Kerst. 2,473,956, June 21.
Zinc, Production of. S. Robson. 2,473,611, June 21.

CLASSIFICATION OF PATENTS

ISSUED JUNE 21, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 1: 2,473,590
2— 48: 2,473,740
73: 2,474,115
132: 2,474,058
150: 2,473,729
153: 2,473,593
234: 2,473,692
5— 100: 2,473,914
269: 2,473,706
8— 4: 2,474,088
106: 2,474,034
132: 2,473,615
9— 1: 2,473,874
39: 2,473,557
12— 15: 2,473,595
18: 2,473,621
13— 34: 2,473,681
15— 93: 2,473,654
104.06: 2,473,758
110: 2,473,773
16— 84: 2,474,164
110: 2,473,964
197: 2,473,666
17— 9: 2,473,609
45: 2,473,608
18— 5.7: 2,474,105
47.5: 2,473,588
2,473,722
48: 2,474,201
54: 2,473,499
58: 2,473,723
20— 52.2: 2,474,126
57.5: 2,474,011
21— 60.5: 2,473,972
108: 2,473,684
22— 165: 2,474,196
23— 61: 2,473,703
145: 2,473,563
181: 2,474,096
184: 2,474,021
201: 2,473,534
203: 2,473,943
206: 2,474,067
281: 2,473,527
24— 11: 2,473,688
2,473,689
2,473,690
150: 2,474,112
201: 2,473,554
248: 2,473,764
25— 118: 2,473,824
121: 2,473,748
28— 51: 2,473,916
29— 69: 2,473,559
95.1: 2,473,815
155.55: 2,473,570
184: 2,473,686
189: 2,473,712
2,474,039
196.3: 2,474,038
30— 42: 2,474,027
136: 2,473,551
31— 14: 2,474,136
32— 8: 2,473,515
28: 2,473,583
33— 19: 2,473,536
21: 2,474,041
42: 2,473,639
47: 2,473,966
59: 2,473,891
222: 2,473,516
34— 1: 2,473,539
12: 2,473,823
31: 2,474,199
56: 2,474,204
71: 2,474,091
99: 2,474,155
35— 12: 2,474,096
36— 19.5: 2,473,605
37— 140: 2,473,786
38— 66: 2,473,906
117: 2,474,107
41— 4: 2,473,532
12: 2,473,855
42— 69: 2,474,180
43— 4: 2,473,778
33: 2,474,176
43.2: 2,473,564
52: 2,473,644
105: 2,473,910
45— 3: 2,473,556
68.4: 2,474,102
46— 49: 2,473,574
47— 58: 2,473,964
48— 87: 2,474,111
51— 125: 2,474,086
187: 2,474,064
193: 2,473,899
194: 2,474,063
214: 2,473,702
238: 2,474,138
56— 15: 2,473,978
26: 2,474,131
208: 2,473,655
57— 58: 2,473,521
76: 2,473,520
60— 13: 2,474,018
35.6: 2,474,183
41: 2,474,068
52: 2,473,676
2,473,694
2,474,174
53: 2,473,711
54: 2,473,809
54.6: 2,473,808
97: 2,473,506
2,473,507
2,474,187
62— 89.5: 2,473,781
2,474,130
99: 2,473,573
102: 2,474,069
119.5: 2,473,730
126: 2,473,508
64— 32: 2,473,618
65— 45: 2,473,585
66— 9: 2,473,677
43: 2,473,944
112: 2,473,975
154: 2,473,503
67— 7.1: 2,473,636
68— 22: 2,473,852
70— 15: 2,473,622
73— 6: 2,473,700
53: 2,473,553
94: 2,474,118
100: 2,473,841
105: 2,474,015
150: 2,473,517
152: 2,473,713
213: 2,473,765
311: 2,474,154
315: 2,473,561
341: 2,474,197
405: 2,473,717
74— 5.7: 2,474,072
16: 2,473,883
25: 2,473,566
2,473,896
67: 2,474,056
217: 2,473,903
341: 2,473,599
351: 2,473,545
376: 2,473,816
450: 2,473,743
526: 2,473,851
540: 2,473,845
553: 2,473,648
74— 640: 2,474,104
688: 2,473,638
75— 82: 2,473,795
86: 2,473,611
109: 2,473,992
134: 2,473,886
80— 21.1: 2,474,117
81— 2.36: 2,473,870
102: 2,473,787
84— 95: 2,473,938
271: 2,473,989
404: 2,473,565
473: 2,473,988
88— 1: 2,473,524
2,474,061
2,474,133
14: 2,474,044
2,474,098
16.6: 2,473,767
16.8: 2,473,625
18: 2,474,159
24: 2,473,736
2,474,055
40: 2,473,753
2,474,103
41: 2,474,119
47: 2,473,619
61: 2,473,825
65: 2,473,857
98: 2,473,698
89— 1.5: 2,473,597
26: 2,473,555
90— 4: 2,473,709
13.5: 2,473,741
21: 2,473,596
24.3: 2,473,584
92— 74: 2,474,052
93— 36.5: 2,473,836
94— 44: 2,473,770
45: 2,473,901
98— 1.5: 2,473,776
33: 2,473,810
101: 2,474,152
99— 8: 2,474,182
139: 2,474,019
186: 2,473,747
348: 2,474,160
101— 378: 2,474,127
7: 2,473,726
46: 2,473,864
120: 2,473,921
202: 2,474,009
218: 2,474,042
105— 182: 2,473,714
195: 2,474,012
225: 2,474,008
414: 2,473,946
106— 52: 2,473,958
111— 44: 2,473,959
112— 210: 2,473,934
113— 112: 2,473,887
115— 16: 2,473,603
117— 70: 2,473,965
121: 2,473,943
120— 82: 2,474,036
121— 36: 2,473,687
2,473,695
41: 2,474,134
122— 13: 2,473,669
123— 14: 2,473,785
45: 2,473,936
51: 2,473,750
91: 2,473,653
103: 2,473,806
2,473,807
106: 2,473,761
2,473,762
117: 2,473,805
123— 122: 2,473,808
140: 2,474,121
124— 29: 2,474,054
125— 11: 2,473,670
126— 9: 2,473,569
2,474,043
85: 2,474,189
93: 2,473,568
110: 2,473,699
128— 76.5: 2,473,651
89: 2,474,200
142: 2,473,518
163: 2,473,925
220: 2,473,733
2,473,734
239: 2,474,188
305: 2,473,908
349: 2,473,742
129— 24: 2,473,663
130— 27: 2,473,788
131— 225: 2,473,715
132— 14: 2,474,106
15: 2,473,594
41: 2,473,957
46: 2,473,725
55: 2,474,148
135— 6: 2,474,031
49: 2,473,671
136— 4: 2,473,627
2,473,779
107: 2,473,546
137— 53: 2,473,912
111: 2,474,108
140: 2,473,948
176— 15: 2,473,967
183: 2,473,953
2,474,122
138— 48: 2,473,909
73: 2,473,875
99: 2,474,062
139— 419: 2,473,807
144— 2: 2,473,720
34: 2,474,037
213: 2,473,541
218: 2,473,952
303: 2,473,643
146— 150: 2,474,171
148— 0.15: 2,473,614
23: 2,473,579
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151— 14: 2,473,752
152— 220: 2,473,782
153— 1: 2,473,623
3: 2,473,533
33: 2,473,673
154— 14: 2,473,784
2,474,013
30: 2,473,656
42: 2,473,552
101: 2,473,528
116: 2,474,035
155— 106: 2,473,745
116: 2,473,895
120: 2,473,901
165: 2,473,947
180: 2,474,158
157— 1.2: 2,473,571
158— 74: 2,473,945
76: 2,473,769
77: 2,474,020
91: 2,473,653
164— 43: 2,473,942
73: 2,473,756
93: 2,473,837
179: 2,473,604
169— 19: 2,473,867
169— 26: 2,474,099
140: 2,474,079
170— 135: 2,474,079
135.71: 2,474,143
135.72: 2,474,033
150: 2,473,695
160.18: 2,474,144
160.47: 2,473,697
160.52: 2,473,899
171— 97: 2,473,863
2,473,890
119: 2,473,746
252: 2,473,842
2,473,847
325: 2,473,540
173— 324: 2,473,596
2,473,705
2,474,070
328: 2,473,925
174— 70: 2,473,965
175— 30: 2,473,819
2,473,849
2,473,850
183: 2,473,542
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2,473,685
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294: 2,473,617
2,474,029
298: 2,473,861
320: 2,473,664
335: 2,473,598
337: 2,473,661
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366: 2,473,884
373: 2,473,683
176— 15: 2,473,626
122: 2,473,642
2,473,833
126: 2,473,888
177— 311: 2,473,586
2,473,922
2,473,940
2,474,074
2,474,157
329: 2,473,631
351: 2,473,578
2,474,177
386: 2,473,535
2,473,846
2,473,974
178— 5.2: 2,473,729
25: 2,473,529
44: 2,473,535
2,473,724
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2,473,834
2,474,026
2,474,127
89: 2,474,040
115: 2,473,749
179— 1: 2,474,191
6: 2,474,110
37: 2,473,552
100.4: 2,473,850
100.41: 2,473,820
107: Re.23,125
115: 2,474,197
171: 2,473,754
179: 2,473,775
182: 2,474,135
180— 19: 2,473,800
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181— .5: 2,473,971
183— 38: 2,474,017
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79: 2,473,602
184— 6: 2,473,701
17: 3,474,128
188— 130: 2,473,678
152: 2,473,640
189— 36: 2,473,728
37: 2,473,976
72: 2,473,687
193— 25: 2,473,716
195— 35: 2,473,817
2,473,818
44: 2,474,139
48: 2,474,046
123: 2,473,630
125: 2,473,592
196— 32: 2,474,028
200— 1: 2,473,982
4: 2,473,565
5: 2,473,889
2,473,992
2,474,189
53: 2,473,843
2,474,140
76: 2,473,970
80: 2,473,998
112: 2,473,668
2,474,000
116: 2,473,848
2,473,901
138: 2,473,789
139: 2,474,190
148: 2,473,892
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201— 63: 2,474,146
202— 34: 2,473,987
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53: 2,473,737
204— 53: 2,474,092
56: 2,474,181
140: 2,473,923
211: 2,473,918
206— 16: 2,473,812
45.26: 2,473,635
46: 2,474,120
2,474,166
57: 2,473,932
209— 157: 2,474,059
307: 2,474,051
210— 24: 2,474,145
169: 2,473,979
181: 2,474,161
183: 2,473,727
185: 2,473,986
211— 123: 2,473,771
214— 1: 2,473,955
82: 2,473,774
113: 2,473,659
131: 2,473,505
60: 2,474,024
217— 19: 2,473,913
218— 4: 2,473,543
219— 2,473,575
2,473,772
2,473,799
2,473,856
3,473,559
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8: 2,474,075
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24: 2,474,147
38: 2,473,783
39: 2,473,560

219— 39: 2,473,589
40: 2,474,113
47: 2,473,881
220— 24.5: 2,474,047
44: 2,473,860
222— 385: 2,473,696
490: 2,473,707
223— 60: 2,474,093
96: 2,473,898
98: 2,473,902
224— 26: 2,473,977
226— 2: 2,473,587
88.1: 2,473,523
229— 4.5: 2,473,840
6: 2,473,582
28: 2,473,766
230— 5: 2,474,203
58: 2,473,904
127: Re.23,126
128: 2,473,813
130: 2,474,077
134: 2,473,814
232— 1: 2,474,101
235— 2: 2,473,509
59: 2,473,738
61: 2,474,116
64.3: Re.23,127
70: 2,473,876
92: 2,474,156
236— 35: 2,474,162
45: 2,473,804
49: 2,474,048
78: 2,474,905
237— 50: 2,473,562
238— 8: 2,473,941
240— 8.1: 2,473,981
51.12: 2,473,878
108: 2,473,768
241— 34: 2,473,556
58: 2,473,514
168: 2,474,100

241— 191: 2,473,531
242— 55.5: 2,473,744
244— 42: 2,473,792
50: 2,473,645
110: 2,474,125
129: 2,473,616
151: 2,474,124
248— 99: 2,474,025
108: 2,474,080
117.2: 2,473,731
119: 2,474,050
150: 2,473,658
151: 2,473,632
153: 2,474,196
250— 6: 2,473,513
17: 2,473,780
27: 2,474,040
27.5: 2,473,550
2,473,793
2,473,826
2,473,969
36: 2,473,504
2,473,790
2,473,853
60: 2,473,956
71: 2,473,877
220: 2,473,897
251— 144: 2,473,591
145: 2,473,620
252— 46: 2,473,310
2,473,511
135: 2,473,822
148: 2,474,170
301.4: 2,473,960
2,474,193
370: 2,473,530
373: 2,473,525
414: 2,473,880
418: 2,474,196
254— 88: 2,473,757
121: 2,473,566

254— 139: 2,474,048
190: 2,473,628
255— 4: 2,473,537
257— 2: 2,474,158
197: 2,473,641
224: 2,473,561
250: 2,474,109
260— 2: 2,473,498
27: 2,473,605
29.1: 2,473,798
29.6: 2,473,801
30.8: 2,473,708
66: 2,474,095
78: 2,473,920
2,473,924
86.3: 2,473,548
2,473,549
87.3: 2,473,996
89.1: 2,473,929
176: 2,474,024
205: 2,473,885
233: 2,473,954
239.6: 2,473,931
242: 2,473,802
249.5: 2,473,797
2,474,194
251: 2,473,798
2,473,811
2,474,022
2,474,184
281: 2,474,185
303: 2,473,872
309: 2,474,004
309.6: 2,473,577
316: 2,473,949
2,473,950
333: 2,473,497
342: 2,474,001
2,474,002
344.6: 2,474,084
398: 2,474,010

260—404.5: 2,474,202
423: 2,473,930
446: 2,473,735
448.2: 2,474,087
461: 2,473,612
465: 2,474,175
474: 2,474,005
495: 2,473,544
537: 2,474,089
565: 2,473,989
584: Re.23,124
593: 2,474,170
597: 2,473,995
616: 2,473,994
650: 2,473,911
2,473,990
656: Re.23,128
667: 2,473,997
669: 2,473,538
676: 2,474,032
680: 2,474,014
261— 18: 2,474,083
79: 2,473,672
83: 2,474,006
2,474,007
263— 3: 2,473,629
40: 2,473,894
265— 28: 2,474,149
2,474,153
267— 21: 2,473,500
60: 2,473,732
271— 18: 2,473,751
2,474,141
53: 2,474,150
272— 55: 2,474,081
62: 2,474,060
73: 2,473,649
273— 1.5: 2,473,908
25: 2,473,893
35: 2,474,030
36: 2,473,680

273— 141: 2,473,675
274— 10: 2,473,829
275— 8: 2,474,065
279— 123: 2,473,935
280— 1.19: 2,474,114
3: 2,473,868
5: 2,474,094
11.19: 2,474,092
11.35: 2,473,637
33.44: 2,474,078
44: 2,473,873
100: 2,473,619
143: 2,473,763
284— 17: 2,473,704
285— 10: 2,473,710
25: 2,473,660
74: 2,473,879
95: 2,473,502
122: 2,474,178
169: 2,473,973
286— 11: 2,474,123
287— 20: 2,474,172
292— 218: 2,473,679
348: 2,473,937
294— 33: 2,474,167
53.5: 2,473,647
296— 1: 2,473,890
44: 2,473,821
47: 2,474,071
299— 95: 2,473,667
117: 2,473,674
136: 2,473,933
302— 59: 2,474,208
304— 31.5: 2,473,951
305— 10: 2,474,057
308— 26: 2,474,161
187.1: 2,473,513
213: 2,474,016
309— 23: 2,474,132
312— 31.1: 2,474,173
35: 2,474,142

312— 39: 2,474,076
97.1: 2,474,053
2,474,188
169: 2,473,862
315— 21: 2,473,691
24: 2,473,718
27: 2,473,983
39: 2,473,827
40: 2,473,547
2,473,567
2,473,828
230: 2,473,831
239: 2,473,917
2,473,928
341: 2,473,832
356: 2,473,640
316— 20: 2,473,900
318— 21: 2,473,907
25: 2,473,573
28: 2,473,791
154: 2,473,721
225: 2,474,195
245: 2,473,839
307: 2,473,838
440: 2,473,903
321— 4: 2,473,915
5: 2,473,662
8: 2,473,576
20: 2,473,512
68: 2,473,999
322— 24: 2,473,854
77: 2,473,882
323— 76: 2,473,592
332— 2: 2,473,610
5: 2,473,794
30: 2,473,556
38: 2,474,103
346— 137: 2,474,097

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,473,502:	285—95	2,473,592:	323—78	2,473,696:	88—98	2,473,827:	315—39
2,473,512:	321—20	2,473,610:	333—2	2,473,713:	73—152	2,473,831:	315—230
2,473,514:	241—58	2,473,644:	43—52	2,473,722:	18—47.5	2,473,832:	315—341
2,473,519:	260—100	2,473,646:	188—152	2,473,723:	18—88	2,473,839:	315—245
2,473,535:	178—44	2,473,654:	15—93	2,473,726:	103—7	2,473,940:	229—4.5
2,473,536:	33—19	2,473,655:	56—208	2,473,731:	248—117.2	2,473,953:	250—36
2,473,547:	315—40	2,473,658:	248—150	2,473,766:	229—28	2,473,960:	220—44
2,473,548:	260—86.3	2,473,662:	321—5	2,473,773:	15—110	2,473,975:	138—73
2,473,549:	260—86.3	2,473,667:	299—95	2,473,774:	214—82	2,473,993:	273—25
2,473,567:	315—40	2,473,669:	122—13	2,473,796:	260—251	2,473,996:	74—25
2,473,573:	62—99	2,473,672:	261—79	2,473,798:	260—29.2	2,473,997:	250—220
2,473,576:	321—8	2,473,678:	188—130	2,473,801:	260—29.5	2,474,009:	138—48
2,473,581:	73—313	2,473,682:	175—183	2,473,802:	260—242	2,473,911:	260—650
2,473,587:	226—2	2,473,686:	20—184			2,473,915:	321—4

2,473,917:	315—239	2,473,999:	321—68
2,473,926:	128—163	2,474,026:	178—44
2,473,928:	315—269	2,474,028:	196—32
2,473,936:	123—45	2,474,032:	260—676
2,473,951:	304—31.5	2,474,033:	170—135.72
2,473,956:	250—60	2,474,054:	124—29
2,473,960:	252—301.4	2,474,068:	60—41
2,473,962:	75—109	2,474,090:	126—110
2,473,968:	126—305	2,474,101:	232—1
2,473,977:	224—26	2,474,139:	195—44
2,473,978:	56—15	2,474,200:	128—80
2,473,980:	84—271	2,474,201:	18—48
2,473,985:	117—70		
2,473,991:	155—126		

Classification of Designs

D 3—17: Des. 154,222	D33— 8: Des. 154,206	D44— 9: Des. 154,216	D45— 9: Des. 154,211	D57— 1: Des. 154,221	D91— 3: Des. 154,209
26: Des. 154,201	Des. 154,207	Des. 154,217	Des. 154,212	D58—26: Des. 154,204	D92— 1: Des. 154,208
D 4— 3: Des. 154,218	D34— 4: Des. 154,194	10: Des. 154,220	Des. 154,213	D64—11: Des. 154,215	
D15— 3: Des. 154,203	D44— 1: Des. 154,195	Des. 154,224	19: Des. 154,214	D80— 9: Des. 154,223	
D17—14: Des. 154,210	Des. 154,202	Des. 154,225	D52— 3: Des. 154,198	D86— 8: Des. 154,205	
D33— 8: Des. 154,199	8: Des. 154,197	21: Des. 154,196	D55— 1: Des. 154,219	D87— 5: Des. 154,200	

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Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

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U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

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Condition of Applications Under Examination at Close of

Total number of patent applications awaiting action, 147,341. Date

Contents

	Page
Issue of June 28, 1949	944
Patents Expiring	944
Applications Under Examination	945
Decisions of the U. S. Courts	
In re Flett	947
In re Smith	948
Patent Suits	951
Trade-Mark Suits	951
Notices	
Classification Bulletins	952
Adverse Decisions in Interferences	952
Disclaimer	952
Interference Notice	952
Register of Patents Available for Licensing or Sale	953
Bulletin of Decisions of Patent Office on Trade-Marks	956
Trade-Marks	
Published (213 Applications)	959
Registrations Granted	987
Registrations Renewed	998
Registrations Republished (303 Registrations)	1001
Reissues	1041
Plant Patents	1042
Patents Granted	1043
Designs	1195

June 28, 1949

Trade-Marks	33	No. 442,972 to No.	443,004, inclusive
T. M. (Act of 1946)	203	No. 511,533 to No.	511,735, inclusive
T. M. Renewals	88		
Reissues	3	No. 23,129 to No.	23,131, inclusive
Plant Patents	4	No. 848 to No.	851, inclusive
Patents	599	No. 2,474,206 to No.	2,474,804, inclusive
Designs	129	No. 154,226 to No.	154,354, inclusive
Total	1,059		

Patents expiring: Patent Numbers 1,864,512 to 1,865,421, inclusive, issued June 28, 1932, expire June 28, 1949

Condition of Applications Under Examination at Close of Business June 10, 1949

Total number of patent applications awaiting action, 147,341. Date of oldest new application, June 25, 1947; date of oldest amended application, January 2, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	5-14-48	7-28-47	2875
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	3-15-48	5-16-47	2689
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	11-27-48	11-24-48	910
4. BISHOP, WALTER C., Power Driven Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Mining, Quarrying, and Ice Harvesting.	12-12-47	7-18-47	3246
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	6-11-48	9-26-47	1423
6. SURLE, H., Carbon Chemistry (part)	7-10-48	6-14-48	1940
7. HANLIN, GEORGE, Optics; Photographic Apparatus	8-30-48	6-17-48	1426
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	8-25-47	6-4-47	4606
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	4-10-48	8-12-47	2065
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	9-18-48	6-22-48	1567
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	7-2-48	10-30-47	1966
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	8-3-48	9-17-47	1803
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	8-22-47	9-17-47	2050
14. BLUM, A., (Acting), Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	8-30-48	5-14-48	1234
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	9-9-48	9-16-47	1786
16. LOVEWELL, N. N., Television; Telephony	9-16-48	2-20-48	1514
17. LEIGHEY, R. A., (Acting), Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	12-20-47	1-6-47	2335
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	8-3-48	10-23-47	2403
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	9-15-48	2-7-48	1661
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	5-18-48	10-7-47	1987
21. MADER, R. C., Textiles	6-11-48	3-22-48	1351
22. MARLAND, M. L., (Acting), Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	7-9-48	9-5-47	1488
23. LEWIS J. B., Cash Registers; Calculators and Counters; Education	6-10-48	3-14-47	1120
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	6-4-48	6-1-48	2319
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	9-4-48	1-2-48	1616
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	8-20-48	1-30-48	1039
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	1-30-48	7-16-47	3314
28. BRAUNER, R. H., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horse-power Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	6-17-48	7-14-47	1858
29. HABECKER, LEON B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	9-26-47	10-20-47	3202
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating; Heating Systems; Heat Exchange (part); Illuminating Burners.	12-16-48	12-13-48	586
31. BOETTCHER, A. M., (Acting). Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	10-16-48	10-16-48	1963
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	12-13-47	10-4-47	1776
33. ROE, W. E., (Acting), Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	10-24-47	10-4-47	3757
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	3-11-48	3-2-48	1236
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	4-5-48	3-18-47	3604
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	8-7-47	6-10-47	2010
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	9-7-48	3-8-48	1295
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	7-13-48	5-5-48	1675
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	7-29-48	5-26-47	3074
40. DRUMMOND, E. J., Receptacles (part); Packages	8-11-48	10-2-47	3236
41. GURLEY, R. B., Check-Controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	7-1-48	4-22-47	2318
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	10-21-48	10-15-48	898
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	8-31-48	5-28-48	1180
44. HARVEY, L. P., Refrigeration	2-9-48	7-11-47	922
45. DOUGLAS, R. A., (Acting), Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles, Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	6-8-48	10-1-47	2498
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	3-16-48	7-12-47	1810

Total number of patent applications awaiting action. 147,341. Date of oldest new application, June 25, 1947; date of oldest amended application, January 2, 1947.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	9-1-48	3-19-48	1989
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	9-20-48	2-10-48	1465
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	1-29-48	9-4-47	2355
50. LEVIN, SAMUEL, Synthetic Resins	10-30-48	7-10-48	1766
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	9-14-48	7-7-48	1456
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	6-19-48	8-13-47	3700
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	5-10-48	8-12-47	2108
54. DOUGLAS, O. R., (Acting), Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits, Ray Energy Applications.	9-22-48	10-10-47	1369
55. HERTZ, M., Artificial Body Members, Dentistry; Surgery; Toilet	9-13-48	3-9-48	1683
56. COCKERILL, S., Electrical and Wave Energy Chemistry, Paper Making; Liquid Separation or Purification	7-1-48	6-16-48	2012
57. MILLER, A. R., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys.	3-9-48	5-3-47	3395
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	6-25-47	10-21-47	1739
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	6-12-48	3-5-48	1447
60. BAXTER, H. M., (Acting), Electricity—Heating; Welding; Furnaces, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	9-13-48	5-11-48	1110
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	7-19-47	2-18-47	3669
62. LOWE, D. B., (Acting), Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors.	9-3-48	4-30-48	1595
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	5-6-48	1-7-48	2165
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	11-17-48	11-13-48	1767
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	9-11-48	9-17-47	2316
66. LISANN, I., Geometrical Instruments	8-10-48	1-2-47	1948
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	9-11-48	1-9-48	1905
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	10-14-48	7-27-48	1455
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	8-4-48	8-7-47	2203
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. O., (Electrical Arts); SPECK, J. R., (Chemical Arts).	7-16-48	5-6-48	1018
DESIGNS: BREHM, O. L.	9-19-47	12-15-48	6845

Total number of trade-mark applications awaiting action (including renewals and republications) 29,782. Date of oldest new application, Mar. 13, 1948; date of oldest amended application, May 26, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 15, 30, 31, 33, 44, 50	4-21-48	9-30-48	4351
2. KASCHUB, H. E., Classes 2, 36, 48	3-13-48	8-14-48	5091
3. SUMMERS, O. S., Classes 21, 23, 26	3-22-48	11-27-48	4310
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	3-19-48	8-30-48	4391
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	4-20-48	9-2-48	3658
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 13, 14, 22, 27, 28, 29, 34, 35	5-26-48	7-24-48	3796
7. KEYS, O. M., Classes 16, 19, 55	4-22-48	5-26-48	2064
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	4-18-49 / 12-1-48	4-30-49 / 3-31-49	105 / 2016

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE FLETT

No. 5572. Decided April 12, 1949

[— F.2d —; 81 USPQ 388]

1. PATENTABILITY—METHOD—APPLICATION TO SPECIFIC MATERIAL.

Where the characteristics of active carbon as an adsorbent of color and odor in various solutions and substances was well known, *Held* that no invention was required to apply it to solutions while they were in the liquid state for the purpose of retarding for a time the development of an unpleasant odor.

2. SAME—PARTICULAR SUBJECT MATTER—METHOD OF RETARDING DEVELOPMENT OF ODOR IN ALKYL ARYL SULFONATES.

Certain claims to an alleged invention in a method of retarding the development of an unpleasant odor in a mixture of alkyl aryl sulfonates *Held* not presenting patentable subject matter in view of the prior art.

APPEAL from the Patent Office. Serial No. 510,667.

AFFIRMED.

Forbes Silsby and *I. Harry Rosenberg* for Flett.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

GARRETT, *C. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting all the claims, numbered 1 to 8, inclusive, 9 and 10, of appellant's application for patent relating to the production of mixtures of alkyl aryl sulfonates. All the claims are method claims and the specification recites, in substance, that the alleged invention relates to improving the properties, especially the odor, of mixtures of alkyl aryl (or benzene) sulfonates which contain as nuclear substituents radicals derived from the hydrocarbons present in a kerosene fraction of petroleum.

The claims are quite long, contain much functional matter, and do not differ from each other in any patentable sense. Claim 1 is deemed sufficient to illustrate the subject matter. It reads:

1. A method of retarding the development of an unpleasant odor in a mixture of alkyl aryl sulfonates having as nuclear substituents radicals derived from a polycomponent hydrocarbon mixture of mineral origin by a Friedel and Crafts condensation, said mixture containing impurities which impart a color to said mixture and impurities which cause development of an unpleasant odor in said mixture when stored in the dry form, *which comprises treating an aqueous solution of said impure mixture of alkyl aryl sulfonates containing at least 4 parts of the impure mixture of alkyl aryl sulfonates per 100 parts by weight of the solution with an active carbon adsorbent, the amount of active carbon being sufficient to substantially decolorize an aqueous sugar solution of the same concentration and color, separating the treated solution from the adsorbent, and evaporating the solution to dryness*, whereby the mixture of alkyl aryl sulfonates is rendered capable of being stored in the dry form for a longer period of time without developing an unpleasant odor to an undesirable degree than an identical mixture of alkyl aryl sulfonates which has not been subjected to said treatment, even though no substantial improvement in the color of said aqueous solution of the mixture of alkyl aryl sulfonates is effected by said treatment.

The italicized language covers the alleged invention.

In several of the claims "benzene" is used instead of "aryl" in naming the mixture treated and the brief for appellant recites other differences (which are unimportant so far as patentability is concerned) in the following:

Claims 1, 2 and 5 define the above process broadly.

Claims 3, 4, 6, 7 and 8 limit the temperature of the active carbon treatment to a temperature above 40° C. and specifically 60° to 80° C. (in claim 8).

Claims 6, 7, 8 and 11 limit the concentration of the aqueous solution subjected to the treatment to 4 to 14 parts by weight of the impure sulfonate mixture per 100 parts by weight of the solution.

Claims 10 and 11 are more limited forms of claims 5 and 7 in which the amount of active carbon employed is 3 to 6 parts per 100 parts by weight of the impure sulfonate mixture.

The claims were held unpatentable over a patent to Guenther et al., 2,220,099, dated November 5, 1940, in view of the disclosure of a publication described as "'Chemical Engineering Catalog,' 17th Ed., 1932, pages 703, 722 & 742."

It was held that the Guenther et al. patent discloses a method of preparing sulfonates substantially similar to the method disclosed in appellant's specification. This holding, so far as method is concerned, is not challenged by appellant.

The "Chemical Engineering Catalog" was cited for its disclosure of the uses of activated carbon in the purification of various solutions. Concerning it the Board said:

> • • • with regard to the use of active carbon for the purpose of deodorizing liquids, we think that the publication to which the Examiner refers amply discloses such use. In connection with the product, "Darco," page 722, the first paragraph points out that this highly activated carbon has the property of deodorizing liquids, solutions and liquefiable substances. It has been used in the purification of oils, fats and waxes of various kinds, as well as solutions of organic chemicals. It is stated, in short, any liquid from which it is desired to eliminate impurities in the form of odor may be treated with this product. Page 703 of the publication refers to "Carbex," activated carbon, which also has the property of purifying liquid materials.

It was the opinion of the Board that, in view of the art cited, "it would be obvious to a person skilled in the art to apply such a well known purifying agent [active carbon] to the products of Guenther et al. for the purpose of removing impurities therefrom which give rise to unpleasant odors."

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The brief for appellant insists that there is a distinction between the prior art cited and his alleged invention in that the prior art merely teaches the use of specific active carbon adsorbents as agents for the removal of colored and odorous impurities from various substances, while he teaches that the application of the active carbon adsorbent, which he describes, to an odorless solution will produce an advantageous result upon the solution product after it is dried and stored.

It is noted that the appealed claims describe the active carbon adsorbent which appellant proposes to use in a somewhat peculiar way. It is to be (as defined in claim 1, supra) in an amount "sufficient to substantially decolorize an aqueous sugar solution of the same concentration and color."

We assume from that description that, in order to determine the amount of the active carbon which should be used as a step in appellant's process of deodorization, the amount of such carbon required to decolorize a solution composed of sugar and water is first determined and this amount is then used in the solution from which the alkyl aryl (or alkyl benzene) sulfonates are developed and eventually stored in dried form. The claims recite that the latter solution contains (*a*) impurities which impart a color to it and (*b*) impurities which cause the development of an unpleasant odor when the mixture is stored after being dried.

The claims themselves are not entirely clear as to the solution being odorless before the ultimate products are dried and stored, but they are capable of that construction, and the brief for appellant treats them as having that meaning. Furthermore, the brief treats the claims as meaning that color in the solution is not affected and that only the impurities which cause the development of the odor in the dried product are affected. It is said, in fact, that at the time the carbon element is injected into the solution the solution is substantially odorless.

We quote the following from the brief for appellant:

> Owing to the strong surface active properties of the mixtures of alkyl aryl sulfonates of the type referred to in the rejected claims, appellant made a discovery which was not to have been expected from Chemical Engineering Catalog and the Guenther patent, when he found that active carbon will remove, from aqueous solutions of the type and concentration called for in the rejected claims, impurities which are not colored or odorous but which cause eventual development of odor in the dried mixtures.
>
> • • • • • • •
>
> Both Examiner and the Board of Appeals have treated this case as if they were dealing merely with a malodorous substance present as an impurity in a known substance. Such is not the case at all.
>
> This application relates to the removal of an impurity *of unknown constitution*, which does not manifest itself as such during the course of manufacture of the product, and which does not make its presence known until a *considerable period has elapsed after manufacture* of the product *has been completed*, at which time it generates an obnoxious odor in the product which is slight at first but increases in intensity with the passage of time. [Italics quoted.]

It does not seem to be questioned by appellant that the cited prior art teaches the use of an active carbon adsorbent for the purpose of deodorizing (as well as for decoloring) liquids, solutions, and liquefiable substances. The "Chemical Engineering Catalog" teaches that, referring to a highly activated carbon sold under the trade name of "Darco." The alkyl aryl (or benzene) sulfonates, into which the introduction of the active carbon is taught by appellant, is a solution in liquid form at the time the carbon is introduced. It is said, in substance, in the brief for appellant, that the solution is odorless at that time, but that it contains "an impurity of unknown constitution" which makes its presence known by emitting an obnoxious odor a considerable time after manufacture of the ultimate product has been completed.

[1], [2] The brief for appellant is quite elaborate and to a considerable extent repetitious. We have studied it carefully together with the affidavits of Messrs. Toone and Snell filed in support of the teachings of the specification. We are not convinced, however, that appellant's contribution to the art presents patentable subject matter. The characteristics of active carbon as an adsorbent of color and odor in various solutions and substances being well known, it does not seem to us that invention was required to apply it to solutions while they were in the liquid stage (which is a stage incident to the manufacture of the eventually dried alkyl aryl [or benzene] sulfonates) for the purpose of retarding for a time the development of an unpleasant odor.

A question of res judicata was injected into the case. The Examiner in an early office action held the question to have been adjudicated in the rejection of an earlier application by appellant, but it was not set forth in the Examiner's statement following the appeal to the Board, nor was it mentioned in the Board's decision. It is at least questionable whether the rule was actually relied upon in the final disposition of the case by the Board and in view of our conclusion on the merits it is unnecessary to our decision to pass upon that question.

The decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE SMITH

No. 5575. Decided April 12, 1949

[— F.2d —; 81 USPQ 393]

PATENTABILITY—PARTICULAR SUBJECT MATTER—ELECTRICAL HEATING UNITS.

Certain claims to an electric heating unit and method of producing a cover for such unit *Held* properly rejected as unpatentable over the prior art.

APPEAL from the Patent Office. Serial No. 435,567.

AFFIRMED.

Clyde A. Norton and *M. Theodore Simmons* (*Eugene C. Taylor* of counsel) for Smith.

W. W. Cochran (*H. S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.:*

The Primary Examiner of the United States Patent Office rejected as unpatentable over the prior art, article claims 1 to 4, inclusive, 6, and 7, and method claim 5 of an application for a patent for "Electrical Heating Units," Serial No. 435,567, filed March 20, 1942. The Board of Appeals affirmed the decision of the Examiner. From that decision, this appeal was taken.

The prior art relied on is as follows: Ashbaugh, 428,443, May 20, 1890; Steinhardt, 1,442,910, January 23, 1923; Lightfoot, 1,617,489, February 15, 1927; Beck et al., 2,060,968, November 17, 1936; Adams, 2,107,924, February 8, 1938.

Appellant's motion to dismiss the appeal as to claim 1 will be granted.

The Primary Examiner in addition to the rejection of the claims as unpatentable over the prior art, also rejected them as unpatentable over an issue decided by the Board in appeal No. 38,411, which involved the abandonment of application No. 182,711 of the same appellant. The Board of Appeals did not sustain that rejection.

Claims 2 and 5 are illustrative of the involved subject matter and read as follows:

> 2. An electric heating unit having a metal body cast directly about a core comprising a solid rod of ceramic dielectric disposed in contiguous layers forming substantially a vertical helix, the rod having embedded therein a spirally wound resistance wire filament with attached terminals, which latter project outwardly from said helix, the walls of the body outside the core being thin, and a well in the body extending from the top thereof downwardly and near to the core.
>
> 5. The method of producing a core for an electric heating element which consists in spirally winding the resistance wire with separated loops, surrounding and filling the spiral with plastic ceramic dielectric, arranging the coated spiral in substantially a helix with contiguous layers and with the ends projecting outwardly from the helix, and firing the core to fix its shape and to drive off gases therefrom.

The application relates to electrical heating units used in coffee percolators and similar devices. The method involved, as may be observed from a reading of claim 5, has relation to the production of what is called the "core" of the device. The quoted claims are readily understandable and require no further description.

The patent to Ashbaugh relates to an electrical heater. It discloses resistance wires through the middle of fire-clay block or the like, which is placed about the wires. The block is then dried, baked, and encased in a metallic jacket.

The Steinhardt patent relates to electrically heated vessels made of ceramic material and a method for making them. It discloses a cup-like structure at the bottom of which the heating means is situated. There is disclosed in the structure a helical groove in which is placed the conducting wire. Then the wire is covered with ceramic material which "should not be too wet" and the article is baked.

The Lightfoot patent provides for electrically heated devices and a method of their manufacture. There is disclosed in the patent a heating element comprising a helical resistor enclosed in a tubular metal jacket from which it is thoroughly insulated. The patent discloses a method of making the heating device which consists in winding a heating element in helical form around a metal pipe. A metallic shield is then cast onto the pipe section to provide a covering. The type of heating element used is defined by reference to an earlier Lightfoot patent, No. 1,359,400, dated November 16, 1920. The drawings in that patent disclose a helical resistor insulated from a metallic jacket. The insulation, which is in granular form, is poured into the jacket and compacted after the resistor has been inserted, thus insulating the resistor from the jacket and also each turn of the resistor wire from the other turns. The resistor may be bent into various forms, one of the forms shown in the drawings being helical.

The Beck et al. patent relates to an electrical heating device and a method for making it. It is stated that one of the objects of the patent is a method for producing a heating device by applying an insulating coating to a resistor wire, then hardening the coating and embodying the resistor wire thus coated in a cast metal. There is disclosed a coating over the resistor wire of ceramic material, which may be applied in liquid or semi-liquid form. The insulation material is hardened and then the resistor, coated with the hardened ceramic material, is cast within the metal material. It is said that in making the unit of the patent, the wire will first be formed into its desired shape, then given its ceramic insulation, and after the insulation has hardened, a metal casting is made around the insulated wire by conventional methods. The drawings of the patent disclose the insulated wire in helical form and laid in a groove.

The patent to Adams has reference to coffee-making utensils, particularly those of the "drip" type. In that type of coffee making, water at a substantially boiling temperature passes through the ground coffee. The device of the patentee discloses a helical resistance element surrounded by insulating material. The element with its surrounding material is bent into circular form and imbedded in the heating chamber, which is of cast metal.

The Primary Examiner rejected the article claims as unpatentable over the patent to Beck et al. in view of the Adams patent. The latter patent was relied upon as anticipating the "well" of the involved claims with the "thin wall" limitation heated by a "cast-in" resistor-heating unit. The Examiner stated that the Beck et al. patent discloses "hardened ceramic" enclosed in a metallic casting. He held that it would not be inventive to use the ceramic insulated coil of the Beck et al. patent in place of the equivalent ring shaped heating unit of the Adams structure. Those claims were further rejected as unpatentable over the Lightfoot patent in view of the patent to Beck et al. With respect to this rejection, the Examiner stated that the patent of Lightfoot, while disclosing much the same features as the Adams structure, had a clearer showing of a helix.

Method claim 5 was considered by the Examiner to be anticipated by each of the Beck et al., Ashbaugh, and Steinhardt patents.

In our opinion there is a clear disclosure of all of the elements of the rejected claims in the prior

art. The insulation coating of the Beck et al. device is not necessarily applied in liquid form, as is stated in the brief of appellant. The coating may be, as has hereinbefore been set out, in a semi-liquid form. That form, in our opinion, is the same as the form of ceramic used by appellant.

The electric conductor of the Beck et al. device is specifically disclosed as having its surface bonded with a solid coating of ceramic substance, and, therefore, it seems to us that there is no patentable novelty in the solid core construction claimed by appellant.

It is not new, as shown in the structure of the Ashbaugh reference, to fill the spaces between the spirally wound resistor wire with insulation. In that patent it is shown that fire-clay is pressed over the wire. In the structure of the Steinhardt patent, ceramic material fills out the space in which the resistor wire is wound in helical fashion. Therefore, we can not agree with the contention of appellant with respect to the lack of disclosure of filling with ceramic material the spaces between the wound wire.

Contrary to the statement of counsel for appellant that the Beck et al. patent does not disclose plastic material, it is stated in the specification of that patent that the insulation may be of "ceramic cement," which hardens and certainly may be moulded to any desired form.

Counsel for appellant lays great stress upon the assertion that the structure of the Beck et al. device does not disclose contiguous layers. That may be true enough, but we believe, as did the Board, that it does not involve invention to wind the core of the Beck et al. device to form a vertical helix if it were so desired, and whether or not the loops of the helical structure are contiguous, to our way of thinking, is a matter of choice. Neither claim 6 nor 7 contains any limitation with respect to contiguous layers. Furthermore, while a dictionary definition of the word "contiguous" means "things that are in actual contact," nevertheless, it is also defined as meaning, "also, near; though not in contact, neighboring • • •." It would have been a simple matter, if appellant considered the contiguity of the rolls in his helical core to be of such a nature as to lend patentability to the claims, to have so stated.

It is clear to us that the structure disclosed in the Beck et al. patent does disclose a helix. In fact it is so stated in the specification.

With respect to method claim 5, the method shown in the patent of Beck et al. provides for the winding in spiral fashion of a resistance wire in separate loops. The wire so wound is surrounded with plastic ceramic. The spirals appear to be quite close to each other, and when the core has been made it is hardened. It is true that the heating element means of that patent appears to be in spiral rather than helical form, but we agree with the reasoning of the Board that in view of the devices of the Steinhardt structure or the Lightfoot structure, such difference is of no patentable significance. The firing step in the method claim is disclosed in the method of the Steinhardt patent wherein the heating core is said to be a conductor surrounded by a protective layer of ceramic material, having its fusing temperature reduced by adding fluxing media thereto, and then baked at a reduced temperature.

We find no error in the decision appealed from. The motion to dismiss the appeal as to claim 1 is granted, and the decision of the Board of Appeals, as to the other claims, is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,810,112, E. Riemenschneider, Process for welding metal tubing; 1,948,801, 2,139,771, same. Method and apparatus for welding; 2,061,671, same, Apparatus for welding, C. C. A., 6th Cir., Doc. 10781, *The Midland Steel Products Co. v. Clark Equipment Co.* Decree affirmed May 31, 1949.

1,875,184, F. N. Steigleder, Liquid ink eraser for fountain pens, appeal filed Mar. 11, 1949, C. C. A. 1st Cir., Doc. 4411, *F. N. Steigleder v. Eberhard Faber Pencil Co. et al.*

1,909,537, R. M. Hollingshead, Jr., Drive-in theatre, C. C. A., 1st Cir., Doc. 4316, *Loew's Drive-In Theatres, Inc. v. Park-In Theatres, Inc.* Judgement of district court reversed (notice May 27, 1949).

1,948,801. (See 1,810,112.)

1,983,316, Scott & Garfield, Three cone bit; 2,011,084, F. L. Scott, Mounting for drill cutters; 2,030,442, same, Roller bearing bit, filed May 20, 1949, D. C., S. D. Calif. (Los Angeles), Doc. 9714-Y, *Drilling Materials Co. et al. v. Hughes Tool Co.*

1,989,302, W. H. Wilmot, Spring structure, filed May 23, 1949, D. C., E. D. N. Y., Doc. 9978, *A. H. Wilmot v. The Englander Co.*

2,011,084. (See 1,983,316.) 2,030,442. (See 1,983,316.)

2,041,638, E. E. Emons, Spectacle frame, filed May 26, 1949, D. C., S. D. N. Y., Doc. 50/361, *Ful-Vue Sales Co. v. American Optical Co.*

2,061,671. (See 1,810,112.)

2,136,795, J. C. Hoffman, Container, filed May 31, 1949, D. C., E. D. N. Y., Doc. 9992, *J. C. Hoffman, Inc. v. Niemand Bros., Inc.*

2,139,771. (See 1,810,112.)

2,142,336, J. L. Selinger, Elastic smocking, filed May 24, 1949, D. C., S. D. N. Y., Doc. 50/332, *M. Weiner v. Queen Knitting Mills.*

2,324,743. (See Des. 125,576.)

2,330,640, J. W. Teter, Catalysis; 2,469,733, K. K. Kearby, Cracking oil with aerogel catalysts, filed May 24, 1949, D. C., S. D. N. Y., Doc. 50/328, *Sinclair Refining Co. v. Standard Oil Development Co.*

2,351,402, E. Cowles, Method and apparatus for treating paper stock, C. C. A., 2d Cir., Doc. 21209, *The Cowles Co. et al. v. Frost-White Paper Mills, Inc., et al.* Decree affirmed (notice May 25, 1949).

2,353,063. (See Re. 22,289.)

2,383,941. (See Re. 22,289.)

2,401,297, W. Forstner, Wrist watch strap, appeal filed May 4, 1949, C. C. A., 1st Cir., Doc. 4425, *Forstner Chain Corp. v. Marvel Jewelry Mfg. Co.*

2,403,861, W. F. Kleman, Center drill, filed May 27, 1949, D. C., E. D. Mich. (Detroit), Doc. 8212, *Link Industries v. Hilton Mfg. Co. et al.*

2,411,462, H. M. Plehn, Shoulder strap construction, filed May 24, 1949, D. C., S. D. N. Y., Doc. 50/321, *Peter Pan Foundations, Inc. v. Artistic Foundations, Inc.*

2,443,871, L. P. Shield, Display and delivery device; Des. 146,387, same, Display stand, filed May 23, 1949, D. C., W. D. Pa. (Pittsburgh), Doc. 7862, *The Grand Union Co. et al. v. Fort Pitt Fixtures Co. et al.*

2,454,897, C. A. Trowbridge, Antenna mounting, filed May 25, 1949, D. C., E. D. N. Y., Doc. 9981, *Ontario Research Corp. v. National Electronic Mfg. Corp.*

2,459,764, F. M. Yeiser, Purification of native sulfur, filed May 25, 1949, D. C., W. D. N. Y. (Buffalo), Doc. 4198, *Chemical Construction Corp. et al. v. Niagara Research Corp.*

2,465,971, S. H. Leblang, Toy with magnetic assembly, filed May 26, 1947, D. C., E. D. N. Y., Doc. 9984, *Langwood Products, Inc. v. De Luxe Game Corp.*

2,469,733. (See 2,330,640.)

Re. 19,951, F. W. Storck, Apparatus for duplicating imprinted matter, C. C. A., 1st Cir., Doc. 4376, *Standard Duplicating Machines Co., Inc. v. American Business Machines Corp.* Decree of district court affirmed (notice May 27, 1949).

Re. 22,289, C. W. Otis, Display; 2,383,941, 2,353,063, same, Ornamental illuminating device, (declaratory judgment) D. C., S. D. N. Y., Doc. 37/136, *Raylite Electric Corp. v. Noma Electric Corp.* Consent judgment holding Re. 22,289 and 2,353,063 not infringed, Noma Electric Corp. and C. W. Otis (intervener defendant) enjoined Jan. 12, 1948, and Feb. 7, 1949. Certain claims of 2,383,941 invalidated, counterclaim of defendant and intervener dismissed May 28, 1949.

Des. 125,576, D. E. Walker, Door and window grille; 2,324,743, same, Adjustable grille; T. M. 407,675, same, Metal grille fending, trellises and gates, D. C., S. D. Fla. (Tampa), Doc. 1721, *Art Craft Metal Works v. Sparrow Lumber Co.* Dismissed with prejudice May 20, 1949.

Des. 146,387. (See 2,443,871.)

Des. 152,832, D. I. Scharaga, Baby's highchair, filed May 31, 1949, D. C., E. D. N. Y., Doc. 9986, *D. I. Scharaga v. Wel-Made Baby Products Co.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 63,564, T. M. 63,565, E. Sheetz, Candy; T. M. 255,959, Mountain States Martha Washington Candies Co., Ice Cream; T. M. 290,326, Martha Washington Candies Co., same; T. M. 419,515, same, All kinds of candy, D. C. N. J. (Newark), Doc. 11395, *Martha Washington Candies Co., Inc. v. Martha Washington Ice Cream Corp.* Consent order for injunction favor plaintiff May 25, 1949.

T. M. 63,565. (See T. M. 63,564.)

T. M. 255,959. (See T. M. 63,564.)

T. M. 290,326. (See T. M. 63,564.)

T. M. 407,675. (See Des. 125,576.)

T. M. 419,515. (See T. M. 63,564.)

NOTICES

Classification Bulletins

The Classification Bulletins listed below are now available. The definitions contained in these bulletins have been revised to include all changes through Classification Order Number 50 of March 29, 1949. Copies of these publications may be procured from the Commissioner of Patents at the prices indicated below.

Bulletin No.	Content	Price
164	Class 56, Harvesters	$.25
167	Class 121, Motors, Expansible-Chamber Type	.20
168	Class 233, Centrifugal-Bowl Separators	.10
169	Class 183, Gas Separation	.10
170	Class 259, Agitating	.15

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,425,235, J. Ferrante, Filter, decided Mar. 31, 1949, claims 1, 2, and 11.

Pat. 2,451,347, C. H. McShan, Frequency shift pulse time modulation, decided June 1, 1949, claim 1.

Des. Pat. 147,042, M. Glickman, Dress, decided Mar. 22, 1949, the claim.

Disclaimer

2,416,199.—*George W. Nagel*, Baltimore, Md. CATHODE-RAY TUBE WITH SPOT INTENSITY PROPORTIONAL TO RADIAL DEFLECTION. Patent dated Feb. 18, 1947. Disclaimer filed May 27, 1949, by the assignee, *Westinghouse Electric Corporation*.

Hereby enters this disclaimer to claim 1 in said patent.

Interference Notice

Thormac Chemical Company, Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of National Chemical & Manufacturing Company, 3617 S. May St., Chicago, Ill., for registration of a trade-mark and Registration No. 391,167, issued October 28, 1941, to Thormac Chemical Company, Inc., 60 E. 42nd St., New York, N. Y., and the notice of such declaration sent by registered mail to the said Thormac Chemical Company, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless Thormac Chemical Company, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

June 10, 1949.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,403,011. AUTOMATIC FREQUENCY CONTROL CIRCUIT. Patented July 2, 1946. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) In this automatic frequency control circuit, voltage from a discriminator is applied through a unilateral conducting device to a sound frequency control circuit, whereby control is rapidly applied and maintained between signals. (Owner) Edward F. McClain, Jr., 4089 Minnesota Ave., N. E., Washington 19, D. C. Group 36—19—61—62. Reg. No. 19,690.

Pat. 2,430,476. PHONOGRAPH REPRODUCER. Patented Nov. 11, 1947. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) This patent shows phonograph pick-ups of the dynamic type comprising a permanent magnet, a moving coil positioned in the field, and a thin flexible wire which supports the coil and stylus. The stylus is rigidly fastened to the wire, and the coil is wound around the upper end of stylus where it is fastened to the wire. An anti-resonant damper may be secured on top of the stylus and coil. In operation, deflection of the stylus produces torsional displacement of the wire and rotational displacement of the coil with respect to the field. Modifications show both vertical and lateral pick-ups. (Owner) Edward F. McClain, Jr., 4089 Minnesota Ave., N. E., Washington 19, D. C. Group 36—61. Reg. No. 19,691.

Pat. 2,434,644. SOUND WAVE DIRECTION DETERMINATOR. Patented Jan. 20, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Provides apparatus for indicating the direction of the source of an acoustic shock wave whereby the source may be quickly located. The patent shows the use of five microphones with four arranged at the quadrantal points of a circle and the other at the center of the circle to successively intercept advancing shock waves. The shock wave reaching the first microphone charges a condenser, and upon reaching the second microphone charges a second condenser. When it reaches the third or center microphone, it stops the charging of the condensers and disconnects remaining condensers from their microphones. A moment later the condensers are connected to discharging circuits. Voltage is then applied from the condensers to the oscilloscope, and the azimuth shown on the screen. (Owner) Robert W. Fairweather, 318 Colony St., West Hempstead, New York, N. Y. Group 36—62. Reg. No. 19,692.

Pat. 1,945,526. AUTOMATIC DRY CONCENTRATOR. Patented Feb. 6, 1934. Machine is especially adapted for separating fine particles of metals and minerals from milled ores and clay, "dry." It is a dry table with a movement that causes the valuables to climb up-grade out of the dirt or milled ore. It separates any metals with a gravity heavier than the body of the ore and dirt. For example: gold, silver, lead, tungsten, etc. Inventor claims it gets a higher recovery dry than wet, and that he has recovered fine tungsten from garnet tailings that were thrown away. (Co-owner) J. F. Gibson, 638 Del Rosa Ave., San Bernardino, Calif. Group 35—33. Reg. No. 19,693.

United States Government Owned Patents

The following 28 patents are assigned to the United States of America as represented by the Secretary of Agriculture. Licenses to practice the inventions are issued on a royalty-free, non-exclusive, non-transferable, revocable basis. Applications for licenses should be addressed to the Bureau of Agricultural and Industrial Chemistry, U. S. Department of Agriculture, Washington 25, D. C.

Pat. 2,433,866. METHOD OF MAKING FURFURYL ACRYLATE. Patented Jan. 6, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Furfuryl acrylate is produced by reacting methyl acrylate with furfuryl alcohol. The product is a polymerizable material which on copolymerization with other esters of acrylic acid yields harder, tougher polymers which are more resistant to the action of organic solvents. Group 28—83. Reg. No. 19,694.

Pat. 2,438,208. CONTINUOUS PROCESS OF CONVERTING LACTIC ACID TO POLYLACTIC ACID. Patented Mar. 23, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A continuous distillation process for the concentration of aqueous lactic acid and its dehydration to polylactic acid. The process can be operated to produce concurrently polylactic acid and aqueous solutions of high quality lactic acid. Group 28—89. Reg. No. 19,695.

Pat. 2,438,278. METHOD FOR AZEOTROPIC DISTILLATION OF ACETIC ANHYDRIDE. Patented Mar. 23, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Petroleum hydrocarbon fractions or cyclic hydrocarbons such as methyl or ethyl cyclohexane are used as entraining agents in the recovery of acetic anhydride from solutions that are difficult to fractionate by ordinary distillation. The components of the constant boiling mixture of acetic anhydride and the entraining agent, obtained on distillation, are separated by stratification. Group 28—61. Reg. No. 19,696.

Pat. 2,440,349. PROCESS FOR PREPARING AN ALKYLOLAMIDE OF A TRIHYDROXYSTEARIC ACID. Patented Apr. 27, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A trihydroxystearic acid is reacted with an alkylolamine with continuous removal of the water formed in the reaction. The products, which are the corresponding alkylolamides of the acid, are efficacious solubilizing and emulsifying agents. Group 28—89. Reg. No. 19,697.

Pat. 2,440,383. SYNERGISTIC ANTIOXIDANT COMPOSITION OF THE ACIDIC TYPE. Patented Apr. 27, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Antioxidant compositions for inhibiting the rancidity of oleaginous materials. The active ingredients comprise phospholipides such as commercial lecithin and an ascorbyl ester of a fat acid. Group 28—89. Reg. No. 19,698.

Pat. 2,440,554. PROCESS FOR THE RECOVERY OF RUBBER IN PLANTS BY FERMENTING WITH CLOSTRIDIUM. Patented Apr. 27, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) The rubber contained in the leaves of cryptostegia vines, which cannot be recovered by tapping the latex system of the plant or by mechanical disintegration of the leaves, is recovered by fermenting the leaves with organisms that digest the

cell walls and separating the rubber particles as a latex after treating the screened, fermented material with alkali. Groups 28—83; 30—52. Reg. No. 19,690.

Pat. 2,440,781. INSECTICIDAL FUMIGANT COMPOSITION WITH SOLID RUBBER CARRIER PARTICLES. Patented May 4, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A volatile liquid insecticidal agent such as ethylene dichloride is absorbed on finely divided hard rubber. The product used as a dust permits uniform application of the toxicant without injury to the plant, and induces prolonged fumigating action. Solid insecticides such as p-dichlorobenzene can also be included by dissolving them in the liquid agent. Group 28—33; 30—32. Reg. No. 19,700.

Pat. 2,443,280. HYDROXYLATION PROCESS. Patented June 15, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Alpha-glycols are produced in substantially quantitative yields by reacting monoolefinic aliphatic hydrocarbons, hydroxy compounds, esters or acids, for instance oleic acid, with substantially an equimolecular amount of hydrogen peroxide in admixture with acetic acid. The products are valuable intermediates in the production of synthetic plastics and other materials. Group 28—61—83—80. Reg. No. 19,701.

Pat. 2,443,897. PROCESS FOR THE PRODUCTION OF SWEETPOTATO STARCH. Patented June 22, 1948. Patent relates specifically to a rapid, efficient, and continuous method for extracting starch from sweetpotatoes. Pectins and similar substances, solidified with lime water, remain in the pulp; solubles are removed with a continuous centrifuge; and starch is separated by means of a countercurrent screening system. The pulp is pressed and dried, and the starch purified in a series of three continuous centrifugals. Colored compounds then are destroyed with sodium hypochlorite, the salts formed in this stage being eliminated by washing on a continuous filter. Finally, the starch is de-watered by means of a perforated basket centrifugal and dried with a suitable rotary drier. Process may be applicable to the production of other root starches. Group 20—94. Reg. No. 19,702.

Pat. 2,444,064. METHOD OF TREATING TIRE CORDS. Patented June 29, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Describes a process for producing tire cord combining high strength with any desired elongation. The strength is obtained by wetting the cotton with a suitable liquid and stretching it at high temperature so that it is stretched and dried simultaneously. This step produces a strong cord with low elongation. The cord is then re-wet and stretched without heat, the tension of the second swelling process being so regulated as to produce whatever elongation is desired in the finished cord. Groups 22—11—13; 30—11. Reg. No. 19,703.

Pat. 2,445,084. PLASTICIZED ETHYL CELLULOSE COMPOSITION. Patented July 13, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A synthetic resin comprising ethyl cellulose and a polymerized ester of acrylic acid and containing as a plasticizing agent an allyl or methallyl lactate ester of a dicarboxylic acid. These plastic compositions are strong and flexible over a wide temperature range. Group 28—83. Reg. No. 19,704.

Pat. 2,445,085. PLASTICIZED COMPOSITION CONTAINING A CELLULOSE ETHER AND A POLYACRYLIC ACID ESTER. Patented July 13, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A synthetic resin comprising a polymerized ester of acrylic acid and a cellulose ether and containing as a plasticizer a polyhydric alcohol ester of a saturated hydroxy acid, for instance glyceryl lactate or a glycol lactate. These plastic compositions are strong and flexible over a wide temperature range. Group 28—83. Reg. No. 19,705.

Pat. 2,445,892. AMINO FATTY DERIVATIVES. Patented July 27, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) 9, 10-Epoxystearic acid or 9,10-epoxyoctadecanol are reacted with aqueous ammonia or amine to form the corresponding derivative containing a hydroxyl and an amino group on the 9 and 10 carbon atom. The water-soluble products are surface active compounds. Group 28—89. Reg. No. 19,706.

Pat. 2,445,911. PROCESS OF ACETYLATING TRIETHYL CITRATE. Patented July 27, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Acetylated triethyl citrate is produced by a continuous process wherein triethyl citrate is reacted with acetic anhydride, and acetic acid is distilled from the reaction mixture. Groups 28—89; 30—22. Reg. No. 19,707.

Pat. 2,445,925. ACRYLIC ESTERS OF SECONDARY ALCOHOLS. Patented July 27, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Acrylic esters of secondary alcohols are produced with good yields by reacting the secondary alcohol with a molar excess of a lower alkyl acrylate and removing the alkylol formed in the reaction by azeotropic distillation with the alkyl acrylate. Group 28—61. Reg. No. 19,708.

Pat. 2,446,116. PROCESS OF PURIFYING CAROTENE CONTAMINATED WITH CHLOROPHYLL AND XANTHOPHYLL. Patented July 27, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Carotene substantially free of other plant pigments is obtained by treating a solution produced by extracting green plant material with a low boiling hydrocarbon solvent, with a solid adsorbent such as hydrated lime, thereby removing chlorophyll and xanthophyll by adsorption. Group 28—31. Reg. No. 19,709.

Pat. 2,447,093. PROCESS FOR THE MANUFACTURE OF ESTERS OF HYDROXY CARBOXYLIC ACIDS. Patented Aug. 24, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Unsaturated esters of hydroxycarboxylic acids, for instance allyl lactate, are produced by reacting the acid with a polyhydric alcohol, such as glycerol, and then reacting the condensation product with the unsaturated alcohol. Group 28—89. Reg. No. 19,710.

Pat. 2,448,153. PROCESS OF MAKING COTTON TEXTILES WATER-ABSORBENT AND ROT-RESISTANT. Patented Aug. 31, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Covers a process which should be useful in producing articles, such as toweling, which need to be highly absorbent, or articles which require rot-proofing. Cotton textiles are impregnated with chloro-acetic acid, then treated with an alkali metal hydroxide such as sodium hydroxide of concentration between 20% and 50%. This gives a swellable, water-absorbent fabric having approximately one carboxymethyl group per 40 to 5 glucose units. The fabric may subsequently be treated with a solution of a salt of a metal, such as copper or mercury, which produces a non-soluble metal salt of the carboxymethyl groups on the textile. This latter treatment renders the fabric rot-resistant. Group 22—11. Reg. No. 19,711.

Pat. 2,448,175. EXTRACTION OF RUTIN. Patented Aug. 31, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Impurities consisting mainly of plant fats and resins are removed from extracts of rutin-bearing plant materials by boiling the extract with water in amount sufficient to dissolve the rutin, thereby causing coalescence of the impurities, which are then removed by filtration. Group 28—31—89. Reg. No. 19,712.

Pat. 2,448,626. ALKYLOL AMINE SALTS OF HYDROXY FATTY ACIDS AND PROCESS FOR THEIR PREPARATION. Patented Sept. 7, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Alkylol amine salts of saturated higher hydroxy fatty acid such as a hydroxystearic acid. The products obtained by reacting the acid with an aqueous solution of the alkylol amine are efficacious stabilizing and emulsifying agents. Group 28—89. Reg. No. 19,713.

Pat. 2,448,873. PHENOXYETHYL LACTATE AND A CELLULOSE COMPOUND PLASTICIZED THEREWITH. Patented Sept. 7, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Polylactic acid esters of phenoxy- and alkylphenoxy-ethanol. These compounds are valuable plasticizers for synthetic resins and especially for cellulose derivatives. Group 28—83—89. Reg. No. 19,714.

Pat. 2,449,215. METHOD OF PRODUCING COTTON CORDAGE. Patented Sept. 14, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G 757.) Relates to heat-resistant tire cord produced by a modified process of mercerization. The method, which is suitable for producing cotton reinforcing cord for pneumatic tires, power belts, etc., is briefly as follows: Ordinary cotton is formed into a yarn of minimum practical spinning twist; the yarn is treated with an alkali hydroxide in a concentration of about 20% to 25% by weight while allowing the yarn thus treated to shrink about 15% in length so as to permit maximum swelling of the cotton; residual alkali is washed out with a non-acid aqueous medium; the yarn is dried and twisted into cord, regaining most of its original length by tension applied during the twisting. Groups 22—13—98; 30—11. Reg. No. 19,715.

Pat. 2,449,533. SYNERGISTIC INSECTICIDAL COMPOSITIONS. Patented Sept. 14, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Insecticidal compositions comprising a compound of nicotine and phthalonitrile as a synergist therefor. Group 28—83. Reg. No. 19,716.

Pat. 2,449,612. SYNTHETIC RUBBERLIKE MATERIALS. Patented Sept. 21, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A process for copolymerizing alkyl acrylate with allyl lactate, maleate and converting the copolymer to rubberlike products by vulcanization. Group 28—83. Reg. No. 19,717.

Pat. 2,449,816. PLASTIC MATERIAL FROM ALLYL STARCH. Patented Sept. 21, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Allyl ether of starch compounded and cured with sulfur. The vulcanizates may be obtained in any degree of hardness up to that of hard rubber. Group 28—83. Reg. No. 19,718.

Pat. 2,452,092. RUBBERLIKE PRODUCT AND PROCESS OF PREPARATION. Patented Oct. 26, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) High molecular weight polymers are produced by auto-esterification of a mixture of substantially pure ricinoleic and monohydroxystearic acids. Group 28—83. Reg. No. 19,719.

Pat. 2,452,209. CELLULOSE ETHER PLASTICIZED WITH BIS (ALLYL LACTATE) MALEATE. Patented Oct. 26, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A cellulose ether plasticized with bis (allyl lactate) maleate. These plastic compositions are flexible at low temperatures. Group 28—83. Reg. No. 19,720.

Pat. 2,453,858. PROCESS FOR OBTAINING RUBBER FROM GOLDENROD LEAVES. Patented Nov. 16, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A process for producing a usable rubber from goldenrod leaves is described. Briefly, this process consists of decomposing the plant material with micro-organisms to reduce the bulk weight by 29.6% to 41.6%. The remaining concentrated plant material is then treated with a resin solvent to remove the resins, followed by a rubber solvent to extract the rubber. The resulting rubber solution is purified by precipitating the rubber by the addition of acetone, and filtering or decanting to recover the rubber. Tests have shown that the final vulcanized rubber is comparable to existing rubbers on the market. Group 30—52. Reg. No. 19,721.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING APRIL AND MAY, 1949

Ex parte The Adler Company, 171 Ms. D. 256, 81 USPQ 71 (Apr. 1, 1949). Trade-Mark Division may not insist upon elimination of an allegation asserting ten years' exclusive use preceding the enactment of the 1905 act, if applicant insists upon basing his application on that proviso although the mark may be registrable under the 1905 act without such reliance.

A request for interference with some, but not all, prior registrations cited by the Office should be interpreted by inference to include all marks which the Patent Office regards as pertinent and which have not expired.

DANIELS, *Assistant Commissioner:*

This is an appeal from the final refusal to register a trade-mark for "knitted socks," under the Trade-Mark Act of 1905. The mark sought to be registered consists of the word "EAGLE," and the application contains a claim of continuous, actual and exclusive use of the mark as a trade-mark for ten years prior to February 20, 1905, in accordance with the ten-year proviso of section 5 of the Trade-Mark Act of 1905. Registration has been refused in view of the inclusion of such statements of use during the ten-year period which are said to be unnecessary, and in view of several prior registrations of trade-marks under that act for various articles of wearing apparel. Applicant appeals from the refusal because of the inclusion of such statements of use prior to 1905, and, because of the failure to declare an interference with certain of the prior registrations. The grounds for appeal do not include that of refusal to register because of the prior registrations, and each of them must therefore stand as references requiring refusal of registration in the absence of interference proceeding.

In setting up the prior registrations, the Examiner pointed out that, in view of the date of use alleged, applicant was entitled to a declaration of an interference, if it "so desires and requests." After other proceedings, the applicant requested interference with certain of such prior registrations, but excluded certain others from the request. In response to this request, the Examiner pointed out that all cited references stand as a bar to the registration sought and not merely those selected by applicant. The Examiner stated that interference proceedings should be initiated only upon the expressed request of applicant, pointing out that "the Patent Office cannot encourage litigation by automatically declaring an interference each time this particular combination of circumstances arises." Such action puts other parties (the owners of other registrations or applications) to trouble and expense and unless an applicant clearly indicates that it is prepared to further prosecute the application to the extent necessary for contested proceedings should not be declared. Applicant, in failing to request interference with the specific registrations omitted from its request, argued that they were not proper references in that there was no similarity between the mark disclosed in its application and those of such registrations, and apparently for this reason would not specifically request interference therewith. Applicant has, however, specifically requested that an interference be declared. While, in so doing, it may not exclude references which stand as a bar to his registration, neither does it seem necessary that it make a request which might possibly be interpreted as conceding similarity between its mark and the marks of the registrations referred to. While this stand is perhaps of a technical nature, it would appear that, considering the entire tenor of the papers involved in the prosecution of this application, and particularly in view of the filing of this appeal, the applicant has not only specifically requested that an interference be declared, but at least by inference that it include all marks which the Patent Office regards as pertinent. Since all of the registrations cited stand as references requiring refusal of the registration in the absence of the successful prosecution of an interference by applicant, this necessarily requires that all registrations cited be included. It is accordingly believed that the applicant has complied with the requirements of the Examiner, and that it is entitled to declaration of an interference which would include all prior registrations which the Examiner may consider pertinent, excluding, of course, certain registrations which may have expired since the last action by the Examiner, in the event they have not been renewed.

The refusal to register in view of the inclusion of the claim of exclusive use for ten years next preceding the enactment of the Trade-Mark Act of 1905 is apparently based upon the fact that such claim is unnecessary and accordingly the language constitutes mere surplusage.

Unnecessary material which has no bearing upon applicant's rights should not be included in an application. In this case, the Examiner has found that the mark presented is an arbitrary one which may be registered without such showing. The precise reasons for applicant's insistence upon retaining it is not apparent from the papers before me. It cannot affect the refusal of registration over prior registrations, and would ordinarily relate only to marks coming within the other clauses of section 5 of the act, such as marks which are descriptive, geographical, or consist only of surnames. *Thaddeus Davis Company* v. *Davids Mfg. Co.*, 233 U. S. 461, 1914 C. D. 367. The Examiner having indicated that the inclusion of this language is unnecessary to obtain registration (apart from the question of prior

registrations) a conclusion with which I agree, there seems little necessity for retaining the clauses referred to. It may be, however, that applicant is aware of facts which require inclusion of these statements which are not apparent from the record or for other reasons feels that it is not entitled to registration in the absence of a showing of such early use. If the applicant elects to apply for a registration based upon such early use, even though this may not be considered necessary, it would appear that it is entitled to make such claim. The Examiner having pointed out that the statements are unnecessary appears to have performed his full duty and if the applicant insists upon the inclusion, it cannot be said with certainty that they are merely surplusage.

Should further developments in any interference proceeding, which may be instituted, show that others had used similar marks for similar products during the critical ten year period, a different situation may be presented. But until such a situation actually arises it is useless to speculate on what action might then be required.

In view of the foregoing, this application is remanded to the Examiner of Trade-Marks for further action in accordance with the foregoing, and the final refusal to register is modified to the extent indicated.

In the following case, the opposition was sustained by DANIELS, *Assistant Commissioner.*

Sharp & Dohme, Incorporated v. *Jacques Morel*, 171 Ms. D. 297, 81 USPQ 288 (May 2, 1949), Opposition No. 26,121. The word "HEPATION" as a trade-mark for "pharmaceutical products, namely, medicinal preparations for treating disorders of the liver, the kidneys, the intestines, and for treating arthritis and menstrual conditions and for treating excessive uric acid" under the act of 1905 held unregistrable in view of opposer's ownership and prior registration of the trade-mark "HEPATONE" for "effervescent sodium-phosphate compound."

In the following cases, the opposition was dismissed by DANIELS, *Assistant Commissioner.*

The Crown Overall Mfg. Co. v. *Bee-Bee Frocks, Inc.*, 171 Ms. D. 302, 81 USPQ 289 (May 4, 1949), Opposition No. 26,055. A mark consisting of a pictorial design of a grotesque or fanciful figure described by the applicant as "consisting of an animated honey bee having a small crown on its head," held registrable under the act of 1905 for "children's garments in the nature of pinafores, dresses and sun suits," over the opposition by the owner of the trade-mark "Crown," both the word and the symbol, which had been previously registered for various articles of clothing and wearing apparel. It was held that the picture of the crown was merely an incidental decorative feature of the applicant's mark which was dominated by the bee or queen bee motif.

H. M. Sinclair, Jr. v. *American Hospital Supply Corporation*, 171 Ms. D. 313, 81 USPQ 408 (May 17, 1949), Opposition No. 24,105. The word "Chieftain" as a trade-mark under the act of 1905 for "hypodermic needles, syringes, surgical rubber gloves, rubber tubing for intravenous solutions, rubber-coated sheeting for hospital beds, and cotton-tipped applicators," held registrable over opposer's prior use and ownership of the identical word as a trade-mark for "bleaching, deodorizing and disinfecting preparations, particularly chlorinated lime."

In the following case, the opposition was dismissed, but the mark was held unregistrable, ex parte, by DANIELS, *Assistant Commissioner.*

Nancy Ann Storybook Dolls, Inc. v. *Julia Culbreth Gray*, 181 Ms. D. 300, 81 USPQ 291 (May 4, 1949), Opposition No. 26,324. The notation "Bible Story" held unregistrable for dolls and doll clothing on the ground that these words are generically descriptive of the goods involved.

In the following cases, the marks were held unregistrable ex parte on appeal from the Examiner of Trade-Marks by DANIELS, *Assistant Commissioner.*

Ex parte Air-Flight Shoe Company, Incorporated, 171 Ms. D. 299, 81 USPQ 289 (May 3, 1949). The notation "AIR-FLIGHT" as a trade-mark for shoes under the 1905 act refused registration in view of a prior registration under the same act of the mark "Flight by Customcraft," for shoes, the word "by" being disclaimed.

Ex parte Columbia Protektosite Co., Inc., 171 Ms. D. 298, 81 USPQ 287 (May 2, 1949). The word "STANDEE" for use as a trade-mark for "hair combs adapted to rest upright on their broadened backs" under the act of 1905 held unregistrable in view of prior registration of the trade-mark "Dandee" for "combs not made of precious metal."

In the following case, the decision of the Examiner of Trade-Marks refusing registration under the act of 1920 was reversed by DANIELS, *Assistant Commissioner.*

Ex parte Art & Sign Brush Mfg. Corp., 171 Ms. D. 307, 81 USPQ 316 (May 11, 1949). The word "FINE-POINT" for paint brushes held registrable under the act of 1920 and not to be so completely descriptive of a style of brush as to be incapable of any significance whatever as an indication of origin.

In the following case, a petition for cancellation was dismissed by DANIELS, *Assistant Commissioner.*

Goodall-Sanford, Inc. v. *The Landers Corporation*, 171 Ms. D. 304, 81 USPQ 291 (May 5, 1949), Cancellation No. 4817. The word "PALMTEX," together with a representation of a glove or gauntlet

displayed with the palm forward, as a trade-mark for "treated cotton textile piece goods for use in making work gloves," held not subject to cancellation on the ground of petitioner's two registrations of the trade-mark "PALM BEACH" together with representations of palm branches, and of the trade-marks disclosed therein for "woolen piece goods" and "woolen piece goods, mohair piece goods, and piece goods of combinations of cotton, wool, mohair, alpaca, camel hair, silk and artificial silk." Respondent filed a counterclaim seeking cancellation of petitioner's marks which was likewise dismissed.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 28, 1949

[VOL. 623. No. 4]

ACT OF 1905

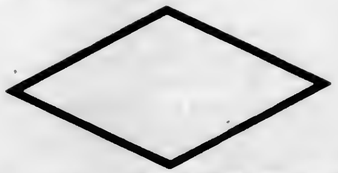
The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 510,490. DIAMOND ALKALI COMPANY, Cleveland, Ohio. Filed Oct. 9, 1946.



FOR CHEMICAL PREPARATIONS TO BE USED WITH WELL DRILLING FLUIDS TO ENHANCE THE DRILLING CHARACTERISTICS OF WELL DRILLING MUDS, SAID PREPARATIONS BEING ADAPTED FOR MIXING WITH THE SOIL WHEN DRILLING.

Claims use since June 19, 1946.

Ser. No. 513,144. WILLIAM R. WARNER & CO., INC., Wilmington, Del., and New York, N. Y. Filed Nov. 23, 1946.

Thera-Multi-Vita

The words "Multi" and "Vita" are disclaimed. Applicant owns Reg. No. 406,197.

FOR VITAMIN COMPOSITION.

Claims use since Oct. 23, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 511,462. GENERAL CONTROL COMPANY, Boston, Mass. Filed Oct. 25, 1946.

Promatic

FOR PANELS OF ELECTRONIC AND/OR ELECTRO-MECHANICAL SEQUENCE TIMERS, CIRCUITS THEREFOR AND RELAYS AND CONDENSERS USED THEREWITH DESIGNED FOR THE PURPOSE OF CONTROLLING THE OPERATION OF VARIOUS INDUSTRIAL EQUIPMENT AND PROCESSES; ELECTRONIC AND/OR ELECTRO-MECHANICAL SINGLE OR SEQUENCE TIMERS AND SWITCHES.

Claims use since June 19, 1946.

Ser. No. 513,919. THE VITRON CORPORATION, Wilmington, Del. Filed Dec. 7, 1946.

Vitron

FOR ELECTRICAL INSULATION MATERIALS WHICH CONTAIN GLASS FIBERS AND GLASS WOOL—NAMELY, GLASS FIBROUS ELECTRICAL INSULATING TAPE, TUBES MADE OF GLASS FIBERS AND IMPREGNATED WITH VARNISH, AND LAMINATED MATERIALS COMBINED OF LAYERS OF MICA SEPARATED BY A LAYER OF GLASS FIBERS IN THE FORM OF SHEETS, TUBES, CONES, AND OTHERS MAINLY FOR ELECTRICAL INSULATION PURPOSES.

Claims use since Oct. 30, 1946.

Ser. No. 523,202. FUSITE CORPORATION, Cincinnati, Ohio. Filed May 28, 1947.

FUSITE

FOR HERMETICALLY SEALED TERMINAL PANELS USED IN CONJUNCTION WITH CAN AND OTHER TYPE CLOSURES FOR HOUSING ELECTRICAL AND ELECTRONIC APPARATUS SUCH AS CONDENSERS, COILS, ETC.

Claims use since Dec. 1, 1944.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 522,372. ROKWELL INDUSTRIES, INC., Clayton, Mo. Filed May 14, 1947.

Model Mag

No claim is made to the word "Model" alone.

FOR PACKAGED MATERIALS TO BE USED IN THE CONSTRUCTION OF TOY MODEL AIRCRAFT AND OTHER TOYS.

Claims use since Aug. 23, 1946.

CLASS 23

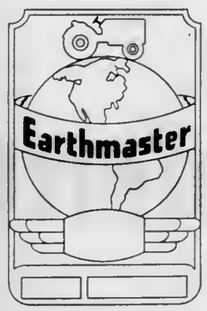
CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 503,502. THE DE LAVAL SEPARATOR COMPANY, New York, N. Y. Filed June 8, 1946. Under section 5b of the act of 1905 as amended in 1920.



The drawing is lined for shading only. No claim is made for the word "Separator" apart from the mark.
FOR CENTRIFUGES OTHER THAN CREAM SEPARATORS.
Claims use since Apr. 27, 1946.

Ser. No. 506,150. AERCO CORPORATION, Hollydale, Calif., assignor to Adel Precision Products Corp., Los Angeles, Calif., a corporation. Filed July 24, 1946.



The representation of the tractor is disclaimed apart from the mark.
FOR FARM TRACTORS AND A PRESSURE TYPE MIXING MACHINE OR APPLICATOR CONTAINING A MIXING CHAMBER AND SPRAY HEADS WHICH APPLY MOLASSES TO LIVESTOCK FEEDS.
Claims use since Apr. 15, 1946.

Ser. No. 524,171. BETTER-BILT MANUFACTURING COMPANY, Minneapolis, Minn. Filed June 14, 1947.

CULTI-LEVELER

The word "Leveler" is disclaimed apart from the mark.
FOR GROUND ENGAGING DRAG ROD UNITS USED AS AN ATTACHMENT WITH CULTIVATORS.
Claims use since Apr. 1, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 496,939. ACADEMY AWARD PRODUCTS, INC., New York, N. Y. Filed Feb. 20, 1946.

ACADEMY AWARD

FOR MOTION PICTURE MACHINES, BOTH SILENT AND SOUND, AND EQUIPMENT, APPARATUS, AND ACCESSORIES RELATING THERETO—NAMELY, 35 MM, AND 16 MM PROJECTORS, 8 MM PROJECTORS, MOTION PICTURE CAMERAS, SLIDE FILM PROJECTORS, COIN OPERATED PROJECTORS, CONTINUOUS PROJECTORS, CABINETS FOR PROJECTORS, STANDS FOR PROJECTORS, CARRYING CASES FOR PROJECTORS, FILM REELS, FILM SPLICERS, REEL CANS, PROJECTOR LENSES, UNEXPOSED MOTION PICTURE PHOTOGRAPHIC FILMS, NEGATIVE AND POSITIVE, BLACK-AND-WHITE AND COLORED, MOTION PICTURE SCREENS, COIN CHANGERS AND PAYERS.
Claims use since Feb. 6, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 519,607. TRANSPARENT PRODUCTS CO., INC., New York, N. Y. Filed Mar. 26, 1947.

PERMA-NAME

The word "Name" is disclaimed, apart from the mark as shown, for registration purposes only.
FOR PRINTED PRESSURE-SENSITIVE ADHESIVE CLOTH TAPE LABELS.
Claims use since Jan. 1, 1947.

Ser. No. 520,740. THE LEHON COMPANY, Chicago, Ill. Filed Apr. 15, 1947.



FOR WALL CALENDARS, BOOKLETS, FOLDERS.
Claims use since September 1908.

Ser. No. 520,741. THE LEHON COMPANY, Chicago, Ill. Filed Apr. 15, 1947.

MULE-HIDE

FOR WALL CALENDARS, BOOKLETS, FOLDERS.
Claims use since September 1908.

CLASS 39

CLOTHING

Ser. No. 496,222. JOSEPH N. EISENDRATH COMPANY, Chicago, Ill. Filed Feb. 8, 1946.

SIERRA

FOR MEN'S GLOVES MADE OF LEATHER.
Claims use since Jan. 24, 1946.

Ser. No. 513,082. FRED P. WEISSMAN CO., Harrodsburg, Ky. Filed Nov. 22, 1946.

Sportleigh CLASSIC "PREP"

The words "Classic" and "Prep" are each separately disclaimed apart from the mark as shown, only for the purposes of this registration.
FOR BOYS', GIRLS', AND CHILDREN'S COATS AND SUITS.
Claims use since July 1945.

Ser. No. 525,213. GOLDSEIM HAT CO., New York, N. Y. Filed June 30, 1947.

Royalite

FOR MEN'S HATS.
Claims use since July 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 508,705. E. F. DREW & CO., INC., New York, N. Y. Filed Sept. 10, 1946.

VITANDRY D_2

The notation "D_2" is disclaimed apart from the mark.
FOR VITAMIN D-ACTIVATED VEGETABLE STEROLS PROTECTED AGAINST OXIDATION AND SEALED IN SPECIALLY PREPARED EDIBLE VEGETABLE OIL COMPOUND AND DISPERSED IN DRY GROUND EDIBLE CEREAL CARRIER FOR USE AS FEED FOR FOUR-FOOTED ANIMALS.
Claims use since Mar. 17, 1945.

Ser. No. 508,796. E. F. DREW & CO., INC., New York, N. Y. Filed Sept. 10, 1946.

VITANDRY

Applicant owns Registration No. 352,171. Exclusive use of the word "Dry" is disclaimed apart from the mark.
FOR COMPOSITIONS OF D-ACTIVATED ANIMAL STEROLS, AND VITAMIN D FEEDING OILS DISPERSED IN EDIBLE CEREAL CARRIER, USED AS FEEDS FOR POULTRY AND ANIMALS.
Claims use since Feb. 20, 1942.

Ser. No. 520,081. AMERICAN PACKING & PROVISION CO., Ogden, Utah. Filed Apr. 3, 1947.

ECONOMY SQUARE

The word "Square" is disclaimed apart from the mark.
FOR SMOKED PORK JOWLS.
Claims use since May 19, 1937.

Ser. No. 521,212. SAVAS SAVIDES, Rockaway Beach, N. Y. Filed Apr. 23, 1947.

American Bride

No claim is made to the term "American" apart from the mark shown on the drawing.
FOR COFFEE.
Claims use since Jan. 13, 1947.

Ser. No. 522,255. JOHN W. LAW CO., also doing business as John W. Law, Santa Maria and Guadalupe, Calif. Filed May 12, 1947.

UNITY

FOR FRESH CAULIFLOWER.
Claims use since May 20, 1925.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 551,973. INDIAN DRILLING MUD CO., INC., Britton, Okla. Filed Mar. 15, 1948.



The portrait appearing on the drawing is fanciful and not that of any particular person.

FOR DRILLING MUD.

Claims use since Mar. 1, 1946.

Ser. No. 552,099. UNITED STATES INDUSTRIAL DIAMOND CORPORATION, New York, N. Y. Filed Mar. 16, 1948.

DIADUST

FOR DIAMOND IN POWDER AND PASTE FORM, USED IN THE MANUFACTURE OF DIAMOND AND TUNGSTEN CARBIDE WIRE DRAWING DIES, METER AND WATCH JEWELS, SLITTING OF QUARTZ, POLISHING AND LAPPING OF ALL HARD MINERALS, PRECIOUS AND SEMI-PRECIOUS STONES, METAL COMPOUNDS AND HARD METAL ALLOYS, LENS, AND PRECISION GLASS ARTICLES.

Claims use since Jan. 21, 1948.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 556,075. COLUMBIA WALESCRAFT LTD., New York, N. Y. Filed May 3, 1948. Under section 2f of the act of 1946.

Wales

Applicant claims ownership of Registration No. 408,327.

FOR BILLFOLDS, WALLETS, KEY CASES, CARD CASES, PASS CASES, CHANGE PURSES, SUITCASES, WARDROBE CASES, VALISES, OVERNIGHT BAGS, AND POCKETBOOKS.

Claims use since 1924.

Ser. No. 565,533. BAGS BY MAURICE, INC., New York, N. Y. Filed Sept. 21, 1948.

BAGS by Maurice

The words "Bags by" are disclaimed.

FOR LADIES' HANDBAGS.

Claims use since June 10, 1948.

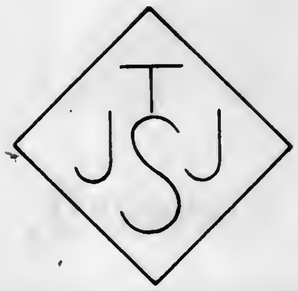
Ser. No. 567,029. MURRAY MENSCHIK, doing business as Joell Manufacturing Co., Brooklyn, N. Y. Filed Oct. 15, 1948.

JOELL

FOR LEATHER GOODS—NAMELY, BILL AND CHANGE PURSES.

Claims use since Feb. 1, 1945.

Ser. No. 569,107. T. J. & J. SMITH LIMITED, London, England. Filed Nov. 19, 1948.



FOR LEATHER BREAST POCKET WALLETS AND BILLFOLDS, LEATHER BILLFOLDS WITH PURSE FOR CHANGE.

Claims use since May 31, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 405,984. PAULSEN & ROLES LABORATORIES, Portland, Oreg. Original filed Feb. 4, 1946, under the act of 1905; amended to application under act of 1946, Apr. 27, 1948. Under section 2f of the act of 1946.

MELLO SHEEN

FOR GENERAL CLEANSING AGENT FOR USE IN THE HOME, OFFICE, STORE, FACTORY, OR OTHER INDUSTRIAL PLANTS.

Claims use since Nov. 16, 1937.

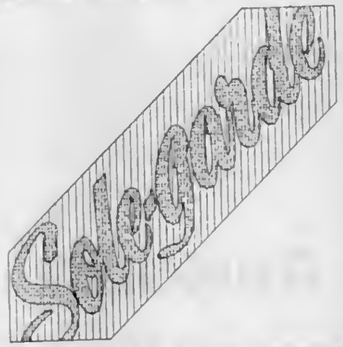
Ser. No. 535,267. KENNETH SMITH, Kansas City, Mo. Filed Sept. 22, 1947.

Ken

FOR GOLF CLUB GRIP CONDITIONER IN THE FORM OF A LIQUID COATING TO BE APPLIED TO SUCH GRIPS AND WHICH PROVIDES A TACKY FEEL AND KEEPS THE LEATHER SOFT.

Claims use since Feb. 1, 1945.

Ser. No. 547,564. MANUFACTURING LABORATORIES, INC., Boston, Mass. Filed Jan. 20, 1948.



The drawing is lined for the colors Dubonnet red and ivory yellow. The word "Sole" is disclaimed apart from the mark shown.

FOR WATER RESISTING AND LEATHER MELLOWING COMPOUND.

Claims use since Aug. 6, 1946.

Ser. No. 548,451. ARMOUR AND COMPANY, Chicago, Ill. Filed Jan. 31, 1948.

ARCOLENE

FOR PASTE DRY CLEANING SOAP.

Claims use since March 1934.

Ser. No. 548,462. ARMOUR AND COMPANY, Chicago, Ill. Filed Jan. 31, 1948.

OLEX

FOR SOAP.

Claims use since Feb. 27, 1931.

Ser. No. 548,464. ARMOUR AND COMPANY, Chicago, Ill. Filed Jan. 31, 1948.

PUMEX

FOR GRIT HAND SOAP.

Claims use since 1920.

Ser. No. 552,121. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Mar. 17, 1948.

IMPERIAL Lilac

The word "Lilac" is disclaimed. Applicant claims ownership of Registration No. 143,794.

FOR TOILET SOAP.

Claims use since Jan. 31, 1910.

Ser. No. 552,510. STANCO INCORPORATED, Wilmington, Del., and New York, N. Y., assignor to Esso Standard Oil Company, Wilmington, Del., a corporation of Delaware. Filed Mar. 19, 1948.

ACTO

Applicant claims ownership of Registrations Nos. 221,646, 221,885, 251,298, 251,487, 273,653, 296,241, and 299,740.

FOR PETROLEUM SULFONATES FOR USE AS DETERGENTS, LEATHER DRESSINGS AND SCOURING AGENTS FOR FABRICS.

Claims use since Nov. 3, 1944.

Ser. No. 565,005. RUTLEDGE B. PARKER, doing business as Parker Products, Waterbury, Conn. Filed Sept. 11, 1948.

Mrs. Foamy

FOR CLEANING LIQUIDS FOR SPOTS AND OVERALL CLEANING OF CLOTHING, SUITS, DRESSES, SWEATERS, SKIRTS, NECKTIES, RUGS, CURTAINS, UPHOLSTERY, SLIPCOVERS, WORK CLOTHES, BLANKETS, AUTOS, WINDOWS, AND VENETIAN BLINDS.
Claims use since Aug. 14, 1947.

Ser. No. 566,036. JOHN SEXTON & Co., Chicago, Ill. Filed Sept. 28, 1948.

INVINSO

FOR DISHWASHING COMPOUND.
Claims use since Aug. 5, 1948.

Ser. No. 566,098. PFANSTIEHL DETERGENT CHEMICALS, INC., Chicago and Waukegan, Ill. Filed Sept. 29, 1948.

47

FOR DETERGENT WASHING POWDER WITH A WETTING AGENT ADDED.
Claims use since October 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 523,807. SOCIETE ANONYME RENAUD PARIS 1817, Montreuil (Seine), France. Original filed June 7, 1947, under the act of 1905; amended to application under act of 1946, Sept. 13, 1947. Under section 2f of the act of 1946.

Rénaud
PARIS
1817

Applicant claims ownership of French Registration No. 340,872, dated July 9, 1942.
FOR NAIL POLISH, FACE, HAND, BODY, AND HAIR LOTIONS.

Ser. No. 528,535. VICTOR CHEMICAL WORKS, Chicago, Ill. Filed July 12, 1947.

FYREX

FOR AMMONIUM PHOSPHATE AS A FLAME-PROOFING COMPOUND FOR USE IN TEXTILE AND PAPER MAKING.
Claims use since January 1931.

Ser. No. 530,773. ROYCE CHEMICAL COMPANY, Carlton Hill, N. J. Filed Aug. 7, 1947.

GUMOLITE

FOR SOLUBILIZED INSOLUBLE NATURAL GUM FOR THE THICKENING OF COLOR PASTES FOR USE IN PRINTING TEXTILE FABRICS, AND FOR FINISHING TEXTILE FABRICS.
Claims use since January 1938.

Ser. No. 537,270. MARY L. YAUMAN, doing business as The E & B Products Company, Youngstown, Ohio. Filed Oct. 8, 1947.

E B

Est-elle bonne?

No claim is made to the words "Est-Elle Bonne" apart from the mark as shown.
FOR HAND LOTIONS.
Claims use since July 15, 1947.

Ser. No. 536,170. PEDIAFORM LABORATORIES, INC., Santa Monica, Calif. Filed Oct. 17, 1947.

PEDIAFORM

FOR PEDIATRIC PHARMACEUTICAL PREPARATIONS INTENDED ESPECIALLY FOR USE BY INFANTS AND CHILDREN—NAMELY, COUGH SYRUPS, NOSE DROPS, CHEST RUBS, DIAPER RASH OINTMENTS, ASPIRIN, ANTIPYRETICS, ANTISPASMODICS, NARCOTICS, HYPNOTICS, SEDATIVES, LAXATIVES, ANTIBIOTICS, TABLETS, AMPULES, AND BIOLOGICALS, INCLUDING: ATROPINE SULFATE, ACETYLSALICYLIC ACID, ASCORBIC ACID, COUGH SYRUP, SULFADIAZINE, SULFAMERAZINE, LAXATIVE SYRUP, EXT. SENNA AND CASCARA COMPOUND, SULFA TRI-ONE, FERROUS GLUCONATE, SYRUP BROMIDES COMPOUND, EPHEDRINE AND PHENOBARBITAL, SULFATHIAZOLE, PHENOBARBITAL, BUTTOCKS CREME, LIQUID CHEST RUB, EAR DROPS, NOSE DROPS.
Claims use since June 3, 1947.

Ser. No. 542,757. FRANKLIN LABORATORIES, INC., Englewood, N. J. Filed Nov. 29, 1947.

KERATOGEN

Applicant claims ownership of Registration No. 395,558.
FOR PHARMACEUTICAL PREPARATION USED IN THE TREATMENT OF SKIN DISEASES AND AILMENTS.
Claims use since July 1, 1941.

Ser. No. 544,796. VELVET PHARMACEUTICAL PRODUCTS CO., INC., doing business as Velvet Products Co., New York, N. Y. Filed Dec. 18, 1947.

VELVET GUMEZE

The word "Gumeze" is disclaimed apart from the mark as shown.
FOR CREAM USED FOR EASING OF TEETHING PAINS AND PAINFUL GUMS.
Claims use since July 2, 1936.

Ser. No. 549,615. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Feb. 13, 1948.

UNOX

FOR SURFACE-ACTIVE CHEMICAL COMPOSITIONS FOR INCREASING THE PENETRATING, SURFACE SPREADING, AND EMULSIFYING PROPERTIES OF WATER AND FOR USE IN APPLICATIONS SUCH AS FIRE EXTINGUISHMENT AND ROCK-DUST AND COAL-DUST LAYING.
Claims use since Dec. 29, 1947.

Ser. No. 550,049. LION CHEMICAL COMPANY, Chicago, Ill. Filed Feb. 18, 1948.

ROYAL FLUSH

Applicant makes no claim to the word "Flush" alone.
FOR CHEMICAL PREPARATION FOR REMOVING RUST AND DIRT AND CLEANING THE COOLING SYSTEMS OF AUTOMOBILE RADIATORS.
Claims use since Feb. 2, 1948.

Ser. No. 551,882. FAEST & BESTHOFF, INC., New York, N. Y. Filed Mar. 13, 1948.

SPRIN-CLAR

FOR CALCIUM CHLORIDE COMPOUND.
Claims use since Nov. 6, 1947.

Ser. No. 552,813. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Mar. 23, 1948.

CREMOTRESAMIDE

Applicant claims ownership of Registration No. 500,418.
FOR ANTIBACTERIAL PREPARATION.
Claims use since Feb. 18, 1948.

Ser. No. 554,108. STANDARD LABORATORIES, INC., New York, N. Y. Filed Apr. 8, 1948.

MOPP

FOR ANTACID PREPARATION FOR USE IN TREATMENT OF HYPERACIDITY OF THE STOMACH.
Claims use since Mar. 9, 1948.

Ser. No. 556,023. PARFUMERIE AGNEL, SOCIETE A RESPONSABILITE LIMITEE, Paris, France. Filed May 1, 1948.

AGNEL

Applicant claims ownership of French Registration No. 306,508, dated Feb. 11, 1930.
FOR PERFUME, TOILET WATER, LIPSTICK, ROUGE, FACE POWDER, SKIN LOTIONS, COLOGNE, FACE CREAMS.

Ser. No. 550,225. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed May 4, 1948.

BEE-FLEX

The word "Bee" is disclaimed.
FOR B-COMPLEX POWDER SOLD IN BULK TO THE FOOD AND PHARMACEUTICAL MANUFACTURING INDUSTRIES.
Claims use since July 9, 1940.

Ser. No. 556,954. EGYPTIAN CHEMICAL COMPANY, Boston, Mass. Filed May 13, 1948.

EGYPTIAN CAVITENE

FOR EMBALMING FLUID.
Claims use since Dec. 1, 1939.

Ser. No. 558,017. DONLEY-EVANS & COMPANY, St. Louis, Mo. Filed May 28, 1948.

GlucoSulfas

FOR MEDICINE, A BALANCED AND BUFFERED TRIPLE SULFONAMIDE MIXTURE.
Claims use since Apr. 8, 1948.

Ser. No. 558,274. BOTANY MILLS, INC., Passaic, N. J. Filed June 2, 1948.

LANOCAKE

FOR FACE POWDER IN COMPACT FORM CONTAINING LANOLIN.
Claims use since May 24, 1948.

Ser. No. 558,377. ENDO PRODUCTS INC., Richmond Hill, N. Y. Filed June 3, 1948.

ACON

FOR MEDICINE USED FOR VITAMIN A THERAPY.
Claims use since May 1, 1948.

Ser. No. 558,378. ENDO PRODUCTS INC., Richmond Hill, N. Y. Filed June 3, 1948.

FERCOSEN

FOR MEDICINE FOR TREATMENT OF VENEREAL DISEASES.
Claims use since Mar. 1, 1948.

Ser. No. 558,379. ENDO PRODUCTS INC., Richmond Hill, N. Y. Filed June 3, 1948.

TUBADIL

FOR MEDICINE USED FOR MUSCULAR RELAXATION.
Claims use since May 1, 1948.

Ser. No. 558,406. MIRA YOUNG, INC., New York, N. Y. Filed June 3, 1948.

Actif

FOR PERFUMES, TOILET WATERS, TOILET CREAMS, FACE LOTION.
Claims use since Apr. 12, 1948.

Ser. No. 558,520. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed June 4, 1948.

BONOBUFF

FOR ANTACID.
Claims use since May 24, 1948.

Ser. No. 558,521. SHARP & DOHME, INCORPORATED,, Philadelphia, Pa. Filed June 4, 1948.

METHAJADE

FOR BRONCHIAL MEDICAMENT HAVING SEDATIVE, ANALGESIC PROPERTIES.
Claims use since May 14, 1948.

Ser. No. 558,567. LENTHERIC INCORPORATED, New York, N. Y. Filed June 5, 1948.

Shanghai

FOR PERFUMES, TOILET WATER, FACE POWDER, BATH OIL, BATH ESSENCE, BATH SALTS, BUBBLE BATH SALTS, BATH POWDER, TALCUM POWDER, SACHET POWDER, SACHET CONCENTRATE, AND BRILLIANTINE.
Claims use since 1930.

Ser. No. 558,582. NUTRITION RESEARCH LABORATORIES, Chicago, Ill. Filed June 5, 1948.

ARTHRALGEN

FOR OINTMENT.
Claims use since May 1, 1948.

Ser. No. 558,583. WILLIAM GILBERT ORR, doing business as The Orrone Company, London, England. Filed June 5, 1948.

HELIOZONE

Applicant claims ownership of British Registration No. 557,705, dated Feb. 5, 1935.
FOR INHALENT IN LIQUID FORM FOR THE TREATMENT OF HAY FEVER, INFLUENZA, AND COMMON COLDS.

Ser. No. 559,009. GERMAINE A. DESAULNIERS, Niagara Falls, N. Y. Filed June 11, 1948.



FOR HERBAL LUNG TONIC.
Claims use since Apr. 10, 1948.

Ser. No. 559,120. ROCHE-ORGANON INC., Nutley, N. J. Filed June 12, 1948.

RULLON

FOR ANTISEPTIC SOLUTION.
Claims use since June 4, 1948.

Ser. No. 559,166. C. L. MCGRAW, Kathleen, Fla. Filed June 14, 1948. Under section 2f of the act of 1946.

McGRAW'S POLK EASY

FOR INSECTICIDE.
Claims use since 1926.

Ser. No. 559,237. NUTREN PRODUCTS, LIMITED, Windsor, Ontario, Canada. Filed June 15, 1948.

CAPIRON

Applicant claims ownership of Canadian Registration No. N. S. 23,939 Register 92, dated Oct. 26, 1946.
FOR IRON CAPSULES.

Ser. No. 559,770. HOUSE OF WESTMORE, INC., New York, N. Y. Filed Mar. 20, 1948.

TRU-GLO

FOR FACE POWDER.
Claims use since Mar. 10, 1948.

Ser. No. 560,386. THE DE PREE COMPANY, Holland, Mich. Filed June 29, 1948. Under section 2f of the act of 1946.

VERMI-TOX

Applicant claims ownership of Registration No. 408,127.
FOR INSECTICIDE IN LIQUID FORM.
Claims use since Aug. 28, 1922.

Ser. No. 560,764. LABORATOIRE VINCENT LABORATORY INC., Montreal, Quebec, Canada. Filed July 6, 1948.

UTANE 42

Applicant claims ownership of Canadian Registration No. 106 N. S. 27439.
FOR ANTISEPTIC.

Ser. No. 561,202. LO-CALORY FOOD CORPORATION, New York, N. Y. Filed July 12, 1948.

ALGEX

FOR TABLETS TO RELIEVE ALLERGY DISTRESS DUE TO VITAMIN C DEFICIENCY.
Claims use since June 7, 1048.

Ser. No. 563,387. NORMAN B. ALTERMAN, doing business as T & T Company, Peekskill, N. Y. Filed Aug. 14, 1948.

FOOT FINE

The word "Foot" is disclaimed apart from the mark as shown.
FOR FOOT OINTMENT AND LOTION.
Claims use since June 12, 1948.

Ser. No. 563,570. SAFETY FUMIGANT COMPANY, Boston and Hingham, Mass. Filed Aug. 4, 1948.

CYAN-CHLOR

Applicant claims ownership of Registration No. 257,943.
FOR CHEMICAL CONTAINING BRIQUETTES FOR GENERATING A TOXIC GAS TO DESTROY RATS, MICE, FLIES, ROACHES, BED BUGS, FLEAS, MOTHS, BUFFALO BUGS, BEETLES, AND MANY GERMS.
Claims use since June 4, 1948.

Ser. No. 564,084. C. A. MOSSO COMPANY, Chicago, Ill. Filed June 28, 1948.

Oil-O-Sol

Applicant claims ownership of Registration No. 264,366.
FOR INHIBITORY ANTISEPTIC USED AS A WET DRESSING.
Claims use since May 16, 1929.

Ser. No. 564,212. S. B. PENICK & COMPANY, New York, N. Y. Filed Aug. 20, 1928.

Evenized

FOR CASCARA BARK.
Claims use since August 1940.

Ser. No. 567,707. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y. Filed Oct. 27, 1948.

Octofen

Applicant claims ownership of Registrations Nos. 281,829 and 281,830.
FOR FUNGICIDE.
Claims use since September 1947.

Ser. No. 567,902. BURROUGHS WELLCOME & Co. (U. S. A.) INC., Tuckahoe, N. Y. Filed Oct. 30, 1948.

'VAPOLOID'

FOR PREPARATION INTENDED FOR LOCAL APPLICATION TO THE NASAL MUCOUS MEMBRANE FOR THE PURPOSE OF REDUCING CONGESTION CAUSED BY COLDS, HAY FEVER, AND SIMILAR CONDITIONS.
Claims use since Sept. 15, 1948.

CLASS 7

CORDAGE

Ser. No. 560,713. LUDLOW MANUFACTURING & SALES CO., Boston, Mass. Filed July 3, 1948.



The drawing is lined to indicate the colors yellow and blue. The words "Every Foot Used Saves Money," "Made Only by Ludlow Mfg. & Sales Co., Boston, Mass.," and "Twine" are disclaimed apart from the mark. Applicant claims ownership of Registration No. 47,653.
FOR TWINE.
Claims use since Jan. 3, 1938.

Ser. No. 568,204. NORMAN LIBERTT, INC., New Rochelle, N. Y. Filed Nov. 4, 1948.

MOHAWK

FOR BRAIDED CORDAGE.
Claims use since Sept. 15, 1945.

Ser. No. 568,359. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass. Filed Nov. 8, 1948. Under section 2f of the act of 1946.

EASTERN STATES

FOR BALER AND BINDER TWINE.
Claims use since May 1933.

Ser. No. 568,360. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass. Filed Nov. 8, 1948. Under section 2f of the act of 1946.



No claim is made to the exclusive right to use "Cooperative" apart from the mark as shown.
FOR BALER AND BINDER TWINE.
Claims use since April 1945.

CLASS 10

FERTILIZERS

Ser. No. 528,408. ARMOUR AND COMPANY, Chicago, Ill. Filed July 12, 1947. Under section 2f of the act of 1946 as to "Jarecki's."



FOR FERTILIZER.
Claims use since 1920.

Ser. No. 544,004. TENNESSEE CORPORATION, also doing business under the name "U. S. Phosphoric Products," New York, N. Y. Filed Dec. 10, 1947. Under section 2f of the act of 1946.



The words "Co." and "Triple Phosphate" are disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 230,530.
FOR FERTILIZERS.
Claims use since August 1925.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 530,807. CHENEY LUMBER COMPANY, INC., Tacoma, Wash. Filed Aug. 8, 1947. Under section 2f of the act of 1946.

CHENEY



STUDS

The word "Studs" is disclaimed.
FOR LUMBER PRODUCT—NAMELY, 2 x 4 STUDDING FOR CONSTRUCTION PURPOSE.
Claims use since 1938.

Ser. No. 540,429. MARBLEHEAD LIME COMPANY, Chicago, Ill. Filed Nov. 7, 1947.

MARBLEHEAD

FOR LIME USED FOR INDUSTRIAL AND CONSTRUCTION PURPOSES.
Claims use since 1890.

Ser. No. 540,453. PLASTIC PRODUCTS COMPANY, Detroit, Mich. Filed Nov. 7, 1947. Under section 2f of the act of 1946.

PLASTI-GLAZE

Applicant claims ownership of Registration No. 384,742.
FOR GLAZING COMPOUND IN THE NATURE OF A PUTTY OR THE LIKE.
Claims use since 1939.

Ser. No. 545,789. SUN CHEMICAL CORPORATION, New York, N. Y. Filed Dec. 80, 1947.

Sun CHEMICAL CORPORATION

The words "Chemical Corporation" are disclaimed apart from the mark. Applicant claims ownership of Registration No. 158,828.
FOR CAULKING COMPOUNDS, WATERPROOFING COMPOUNDS OF IRREVERSIBLE INORGANIC GELS FOR IMPREGNATING MASONRY SURFACES AND BINDING THEREWITH, METALLIC POWDERED HARDENERS FOR UNSET CONCRETE FLOORS FOR APPLICATION AND INCORPORATION THEREIN BY DUSTING THEREWITH AND TROWELING AND BY SIMILAR METHODS.
Claims use since Nov. 28, 1945.

Ser. No. 546,089. CENTRAL DIVISION COMPANY, Chicago, Ill. Filed Jan. 3, 1948.

WEATHERBRIC

FOR ASPHALT INSULATED PANELS WHICH ARE ADAPTED FOR APPLICATION TO THE EXTERIORS OF BUILDINGS AS SIDING AND HAVE CONFIGURED OUTER SURFACES.
Claims use since Dec. 23, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 497,893. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass. Original filed Mar. 8, 1946, under the act of 1905; amended to application under act of 1946, Oct. 6, 1947.

●

Applicant claims ownership of Registrations Nos. 121,544, 127,721, 276,809, and 276,810.
FOR FASTENERS, CONNECTORS, AND ATTACHING DEVICES OF VARIOUS TYPES USED IN THE HOUSEHOLD, CONSTRUCTION AND INDUSTRIAL ARTS FOR MOUNTING AND CONNECTING VARIOUS PARTS WHETHER OF FABRIC, WOOD, METAL, OR FIBERBOARD—NAMELY, SEPARABLE SNAP FASTENERS AND COMPONENT PARTS THEREOF, SCREW THREAD FASTENERS AND COMPONENT PARTS THEREOF, ROTARY STUD FASTENERS, RIVETS, GROMMETS, METALLIC WASHERS, RETAINING FASTENERS FOR CONSTRUCTION PANELS, PLUG BUTTONS; AND RETAINING FASTENERS FOR TUBING, STAMPED METAL KEYHOLDERS AND METAL MOLDINGS.
Claims use since May 3, 1913.

Ser. No. 521,389. JOHN W. HUDSON, New York, N. Y. Original filed Apr. 26, 1947, under the act of 1920; amended to application under act of 1946, Apr. 24, 1948.

ALTA

FOR FEED PIPES OR TUBING MADE OF METAL FOR FEEDING LIQUID FUEL TO ENGINES.
Claims use since Nov. 5, 1945.

Ser. No. 537,055. LOCKWOOD HARDWARE MFG. CO., Fitchburg, Mass. Filed Oct. 7, 1947. Under section 2f of the act of 1946.

Lockwood

Applicant claims ownership of Registration No. 391,376.
FOR BUILDER'S HARDWARE—NAMELY, DOOR STOPS, COAT AND HAT HOOKS, DOOR KNOBS, HANDLES, PULLS, SASH LIFTS, CASEMENT ADJUSTERS, DOOR HANDLE SETS, DOOR CLOSERS, AND PARTS OF THE AFORE-ENUMERATED HARDWARE.
Claims use since Jan. 1, 1895.

Ser. No. 555,017. THE RELIANCE GAUGE COLUMN COMPANY, Cleveland, Ohio. Filed Apr. 19, 1948.

Levalarm

FOR STEAM BOILER FITTINGS AND FURNISHINGS, COMPRISING A LIQUID LEVEL ALARM DEVICE TO INDICATE LOW OR HIGH LIQUID LEVELS IN BOILER DRUMS OR OTHER VESSELS.
Claims use since Mar. 23, 1948.

Ser. No. 555,502. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Apr. 24, 1948.

Grey-Rock

FOR RIVETS.
Claims use since 1929.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 539,429. PERMO INCORPORATED, Chicago, Ill. Filed Mar. 17, 1948. Under section 2f of the act of 1946.

PERMOMETAL

Applicant claims ownership of Registration No. 396,914.
FOR NON-CORROSIVE AND WEAR-RESISTING ALLOYS OF THE PLATINUM GROUP METALS OR PLATINUM GROUP METALS IN COMBINATION WITH COBALT, TUNGSTEN, NICKEL, OR THE LIKE FOR USE IN THE MANUFACTURE OF PEN POINTS, INSTRUMENT PIVOTS, AND PHONOGRAPH NEEDLES.
Claims use since Sept. 2, 1941.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 526,613. M & H LABORATORIES, Chicago, Ill. Filed July 5, 1947.

M&H

FOR LIQUID SOLVENT FOR PRESERVING AND RESTORING USED PAINT AND VARNISH BRUSHES.
Claims use since Nov. 22, 1943.

Ser. No. 538,069. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill. Filed Oct. 17, 1947. Under section 2f of the act of 1946.

HAWTHORNE

FOR READY MIXED PAINT SOLD IN LIQUID FORM, VARNISHES, AND PAINT ENAMELS.
Claims use since 1928.

Ser. No. 549,021. EDWARD SMITH & CO., INC., New York, N. Y. Filed Feb. 6, 1948.

ESCOTE

FOR PAINT USED FOR COATING PAPER AND CLOTH FOR INDUSTRIAL USE
Claims use since 1910.

Ser. No. 556,102. INTERCHEMICAL CORPORATION, New York, N. Y. Filed May 3, 1948.

Sidox

FOR PIGMENT MATERIAL FOR PAINTS AND VARNISHES HAVING INCIDENTAL INSULATING QUALITIES.
Claims use since Apr. 26, 1948.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 508,507. ARMSTRONG CORK COMPANY, Lancaster, Pa. Original filed Sept. 5, 1946, under the act of 1905; amended to application under act of 1946, July 24, 1947. Under section 2f of the act of 1946.

ARMSTRONG A CORK COMPANY

Applicant disclaims the words "Cork" and "Company" apart from the mark substantially as shown. Applicant claims ownership of Registrations Nos. 94,859, 110,021, 196,378, 247,581, and 252,084.
FOR LINOLEUM AND FELT BASE, FLOOR AND WALL COVERINGS, BOTH PIECE GOODS AND RUGS; CORK CARPETS; HARD SURFACED FLOOR AND WALL COVERINGS HAVING A COMPOSITION WEARING SURFACE; PREFABRICATED DECORATIVE INSERTS OF LINOLEUM; LINOLEUM TILE; CORK TILE; RUBBER TILE; ASPHALT TILE; RESILIENT RESIN TILE; AND RESILIENT PLASTIC COMPOSITION TILE.
Claims use since Dec. 1, 1938.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 515,860. THOR CORPORATION, Chicago, Ill., by change of name from Electric Household Utilities Corporation. Original filed Jan. 17, 1947, under the act of 1905; amended to application under act of 1946, Dec. 1, 1947.

AUTOMAGIC

FOR ELECTRIC DISHWASHING MACHINES.
Claims use since Mar. 23, 1946.

Ser. No. 530,173. COLLINS RADIO COMPANY, Cedar Rapids, Iowa. Filed Aug. 1, 1947. Under section 2f of the act of 1946.

AUTOTUNE

FOR UNITARY MECHANICAL AND ELECTROMECHANICAL SELECTOR MECHANISMS FOR CONTROLLING THE AUTOMATIC SELECTIVE POSITIONING OF A ROTARY SHAFT SUCH FOR EXAMPLE AS A CONDENSER OR CONTROL SHAFT OF A RADIO SET.
Claims use since May 14, 1938.

Ser. No. 533,752. ROBERT HAMILTON LENT, doing business as Tnel Manufacturing Company, Hornell, N. Y. Filed Sept. 8, 1947.

TNEL

FOR ELECTRIC ARC WELDING MACHINES AND SPOT WELDING MACHINES.
Claims use since Aug. 23, 1946.

Ser. No. 541,112. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed Nov. 14, 1947.

Museatone

FOR ELECTRIC HORNS.
Claims use since 1940.

Ser. No. 541,713. SORENSEN AND COMPANY, INC., Stamford, Conn. Filed Nov. 19, 1947.

SORENSEN NOBATRON

No registration rights are claimed for the name "Sorensen" apart from the mark shown in the drawing, but applicant waives none of its common-law rights in said mark or any element thereof.
FOR VOLTAGE REGULATORS.
Claims use since Jan. 6, 1947.

Ser. No. 542,313. HEATING & AIR CONDITIONING SUPPLY, INC., Reno, Nev. Filed Nov. 25, 1947.

HASTO

FOR ELECTRICAL SPACE HEATERS; ELECTRICAL COMBINATION FAN AND SPACE HEATERS; ELECTRIC FANS (DESK, WALL, FLOOR STAND TYPE); ELECTRIC WATER HEATERS; ELECTRIC IRONS; ELECTRIC TOASTERS; ELECTRIC PERCOLATORS; ELECTRIC HOT PLATES; ELECTRIC HEATING PADS FOR GENERAL USE; ELECTRIC BLANKETS; ELECTRIC MIXERS FOR HOUSEHOLD USE; ELECTRIC DISH WASHERS; ELECTRIC GARBAGE GRINDERS ADAPTED FOR ATTACHMENT TO A KITCHEN SINK DRAIN; ELECTRIC ROASTERS; RANGES (ELECTRIC); BROILERS (ELECTRIC); DEEP FRYERS (ELECTRIC); BAKE OVENS (ELECTRIC).
Claims use since December 1942.

Ser. No. 543,667. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Dec. 6, 1947.

AIR PAL

The word "Air" is disclaimed.
FOR RADIO RECEIVING SETS.
Claims use since Feb. 10, 1939.

Ser. No. 545,513. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed Dec. 26, 1947.

NCG

FOR ELECTRICAL ARC WELDING MACHINES, WELDING UNITS AND PARTS THEREOF, CARBON ELECTRODES, ELECTRICAL CABLE AND ELECTRODE HOLDERS.
Claims use since 1935.

Ser. No. 548,543. RICHARD V. STAAF, Crafton, Pa. Filed Jan. 31, 1948.

STAF-LITE NEON SIGNS · · LIGHTING Crafton Penna.

The words "Lite," "Neon Signs · · Lighting" and "Crafton, Penna." are disclaimed.
FOR ELECTRICAL APPARATUS—NAMELY, LIGHTING FIXTURES, ADVERTISING AND DISPLAY SIGNS.
Claims use since Jan. 15, 1943.

Ser. No. 555,488. DURA ELECTRIC LAMP CO., INC., Newark, N. J. Filed Apr. 24, 1948.

DURAMATIC

FOR STARTER SWITCHES FOR FLUORESCENT LAMPS.
Claims use since June 20, 1947.

Ser. No. 556,003. JOHN E. FAST & CO., Chicago, Ill. Filed May 1, 1948.

MIJAKON

FOR CAPACITORS.
Claims use since Aug. 14, 1946.

Ser. No. 556,004. JOHN E. FAST & CO., Chicago, Ill. Filed May 1, 1948.

MIKASUB

FOR CAPACITORS.
Claims use since Apr. 8, 1948.

Ser. No. 556,643. MCQUAY-NORRIS MANUFACTURING CO., St. Louis, Mo. Filed May 10, 1948.

DYNOID

FOR SOLENOIDS, MECHANISMS INCORPORATING SOLENOIDS—NAMELY, VALVES FOR HEATING AND COOKING DEVICES, HYDRAULIC VALVES, WATER, STEAM, AND AIR VALVES, AND ELECTRIC CONTACTORS.
Claims use since April 1948.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 527,060. B. F. GLADDING & CO. INC., South Otselic, N. Y. Filed July 5, 1947. Under section 2f of the act of 1946.

DUNDEE

FOR FISHING LINES.
Claims use since Aug. 22, 1912.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 489,542. C. TENNANT, SONS & CO. OF NEW YORK, New York, N. Y. Original filed Oct. 6, 1945, under the act of 1905; amended to application under act of 1946, Mar. 16, 1948. Under section 2f of the act of 1946.

GRIPLOCK

FOR MACHINES FOR MANUFACTURING IN WHOLE OR IN PART WIRE STRAPS USED FOR REINFORCING CARTONS AND PACKAGES IN TRANSPORTATION AND FOR TOOLS USED IN APPLYING SAID STRAPS FOR SERVICE.
Claims use since Jan. 1, 1921.

Ser. No. 506,321. JOHNSON MACHINE AND PRESS CORPORATION, Elkhart, Ind. Original filed July 26, 1946, under the act of 1905; amended to application under act of 1946, Sept. 2, 1947. Under section 2f of the act of 1946.

JOHNSON

FOR INCLINABLE POWER PRESSES.
Claims use since Jan. 1, 1942.

Ser. No. 523,814. WALTER KIDDE & COMPANY, INC., Belleville, N. J. Original filed June 7, 1947, under the act of 1905; amended to application under act of 1946, Oct. 20, 1947.

K Kidde

Applicant claims ownership of Registrations Nos. 334,376, 424,894, and 426,786.
FOR PORTABLE HAND FIRE EXTINGUISHERS, WHEELED PORTABLE HAND OPERATED FIRE EXTINGUISHING UNITS; FIRE EXTINGUISHING APPARATUS—NAMELY, INSTALLATIONS OF ONE OR MORE CONTAINERS FOR FIRE EXTINGUISHING MEDIUM, ONE OR MORE CONDUITS FOR CONVEYING THE MEDIUM FROM THE CONTAINER OR CONTAINERS TO THE PLACE OR PLACES TO BE PROTECTED, THE TERMINAL OF THE CONDUIT IN EACH OF SAID PLACES HAVING A DISCHARGE OUTLET FOR THE DISCHARGE OF THE MEDIUM INTO THE PROTECTED PLACE UPON OPENING OF A VALVE OR VALVES ASSOCIATED WITH THE CONTAINER OR CONTAINERS; PUMPS FOR RECHARGING CONTAINERS WITH FIRE EXTINGUISHING MEDIUM SUCH AS CARBON DIOXIDE; FIXED FIRE DETECTING AND EXTINGUISHING APPARATUS COMPRISING A SET OF CONDUITS LEADING FROM PROTECTED COMPARTMENTS OR SPACES TO A CENTRALLY LOCATED TERMINAL CABINET, A FAN FOR DRAWING SMOKE FROM FIRE IN ANY OF THE COMPARTMENTS OR SPACES, AN ELECTRIC EYE FOR DETECTING SMOKE IN THE CABINET AND FOR GIVING AN ALARM, AN INDICATOR FOR INDICATING THE LOCATION OF THE COMPARTMENT OR SPACE FROM WHICH THE SMOKE IS DRAWN, VALVES FOR RELEASING FIRE EXTINGUISHING MEDIUM THROUGH THE SAME CONDUIT FOR EXTINGUISHMENT OF THE FIRE, THE ENTIRE APPARATUS SOLD FOR INSTALLATION AS A UNIT; FIXED FIRE DETECTING APPARATUS COMPRISING A SET OF CONDUITS LEADING FROM PROTECTED COMPARTMENTS OR SPACES TO A CENTRALLY LOCATED TERMINAL OBSERVATION CABINET, A FAN FOR DRAWING SMOKE FROM FIRE IN ANY OF THE COMPARTMENTS OR SPACES TO THE CABINET FOR VISUAL OBSERVATION; APPARATUS FOR USE ON TEXTILE MACHINERY FOR CONTROLLING THE TENSION AND DENSITY OF YARN AS WOUND ON A PACKAGE; AND MACHINES FOR IMPREGNATING AND BONDING FIBROUS YARNS.
Claims use since on or about Dec. 1, 1940, on portable hand fire extinguishers and fire extinguishing apparatus; since on or about Oct. 15, 1942, on wheeled portable hand operated fire extinguishing units; since on or about Sept. 1, 1942, on recharge pumps; since on or about Sept. 1, 1943, on fixed fire detecting and extinguishing apparatus and fixed fire detecting apparatus; since on or about Jan. 2, 1946, on tension and density control devices; and since on or about Apr. 22, 1946, on machines for impregnating and bonding fibrous yarns.

Ser. No. 529,730. THE UNITED STATES AIR COMPRESSOR COMPANY, Cleveland, Ohio. Filed July 26, 1947.

FLOATING BODY

Applicant claims ownership of Registration No. 338,445
FOR AUTOMOTIVE VEHICLE LIFTS AND RECIPROCATING JACKS TO IMPROVE THE SERVICING AND THE LUBRICATING OF SAID VEHICLES.
Claims use since Nov. 11, 1935.

Ser. No. 530,709. BEAZLEY POWER MOWER CO., St. Petersburg, Fla. Filed Aug. 7, 1947. Under section 2f of the act of 1946 as to "Beazley."

BEAZLEY
Originator Rotary Suction

The notation "Originator Rotary Suction" is disclaimed apart from the mark shown.
FOR POWER OPERATED LAWN MOWERS.
Claims use since 1931 as to "Beazley"; and since Apr. 21, 1947, as shown.

Ser. No. 533,129. BOORUM & PEASE COMPANY, Brooklyn, N. Y. Filed Sept. 3, 1947.

MASTER

FOR HAND OPERATED PUNCH PRESSES FOR STATIONERY OF THE OFFICE VARIETY.
Claims use since 1941.

Ser. No. 533,132. BOORUM & PEASE COMPANY, Brooklyn, N. Y. Filed Sept. 3, 1947.

UNIVERSAL

FOR HAND OPERATED PUNCHES FOR STATIONERY OF THE OFFICE VARIETY.
Claims use since 1935.

Ser. No. 537,208. LYON METAL PRODUCTS, INCORPORATED, Aurora, Ill. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

LYON

FOR ROLLER CONVEYORS FOR TRANSPORTING GOODS BY GRAVITY OR HAND PROPULSION AND PARTS OF SUCH CONVEYORS.
Claims use since Dec. 1, 1913.

Ser. No. 541,173. OVAL WOOD DISH CORPORATION, Tupper Lake, N. Y. Filed Nov. 14, 1947. Under section 2f of the act of 1946.

Ritespoon

Applicant claims ownership of Registration No. 405,656.
FOR SINGLE SERVICE, DISPOSABLE ONE-PIECE WOODEN SPOONS HAVING A SMALL BOWL AND A HANDLE, SIMILAR TO CONVENTIONAL METAL WARE.
Claims use since Dec. 3, 1938.

Ser. No. 541,174. OVAL WOOD DISH CORPORATION, Tupper Lake, N. Y. Filed Nov. 14, 1947. Under section 2f of the act of 1946.

Ritefork

Applicant claims ownership of Registration No. 405,655.
FOR SINGLE SERVICE, DISPOSABLE ONE-PIECE WOODEN FORKS HAVING A SMALL BOWL WITH THREE TINES AND A HANDLE, SIMILAR TO CONVENTIONAL METAL WARE.
Claims use since Jan. 11, 1939.

Ser. No. 546,074. HORACE P. WELLS, doing business as Welco Co., South Bend, Ind. Filed Jan. 2, 1948.

Carving Caddie

The word "Carving" is disclaimed.
FOR BLOCK OR TRAY USED FOR HOLDING A ROAST OF MEAT OR FOWL TO BE CARVED.
Claims use since Apr. 27, 1947.

Ser. No. 546,496. RAYMOND H. HOBROCK, Birmingham, Mich. Filed Jan. 8, 1948.

OLD GUIDE

FOR IMPLEMENTS FOR HOLDING AND SCALING FISH IN THE CLEANING THEREOF.
Claims use since Nov. 19, 1947.

Ser. No. 552,261. NORVELL-WILLIAMS, INC., Kansas City, Mo. Filed Mar. 18, 1948.

HUSTLER

FOR FLOUR BOLTERS.
Claims use since Jan. 15, 1941.

Ser. No. 559,876. CRANE PACKING COMPANY, Chicago, Ill., and Wilmington, Calif. Filed June 11, 1948.

Lapmaster

The design feature is disclaimed apart from the mark.
FOR GRINDING, POLISHING, AND LAPPING MACHINES AND PARTS THEREOF.
Claims use since Mar. 23, 1948.

CLASS 26
MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 459,274. SQUARE D COMPANY, Detroit, Mich. Original filed Mar. 22, 1943, under the act of 1905; amended to application under act of 1946, Sept. 5, 1947.

SARD

FOR OPTICAL INSTRUMENTS—NAMELY, BINOCULARS, AND PARTS THEREOF.
Claims use since Feb. 26, 1943.

Ser. No. 499,025. TAYLOR, TAYLOR & HOBSON, LIMITED, Leicester, England. Original filed Mar. 26, 1946, under the act of 1905; amended to application under act of 1946, Aug. 25, 1947. Under section 2f of the act of 1946.

TAYLOR-HOBSON

Applicant claims ownership of British Registration No. 606,448.
FOR PHOTOGRAPHIC CAMERAS; OPTICAL INSTRUMENTS—NAMELY, OPTICAL GAUGING INSTRUMENTS, OPTOMETERS, ALIGNMENT TELESCOPES, AUTOCOLLIMATORS, PROFILE PROJECTORS AND LENSES; AND PRECISION MEASURING INSTRUMENTS—NAMELY, LINEAR DIMENSION GAUGES, SURFACE ROUGHNESS GAUGES AND PEN RECORDERS ADAPTED FOR USE WITH SCIENTIFIC INSTRUMENTS FOR RECORDING PURPOSES.
Claims use since 1909.

Ser. No. 533,922. REMINGTON OPTICAL CORPORATION, New York, N. Y. Filed Sept. 9, 1947.

JUNO

FOR EYEGLASS FRAMES.
Claims use since Apr. 1, 1946.

Ser. No. 533,923. REMINGTON OPTICAL CORPORATION, New York, N. Y. Filed Sept. 9, 1947.

JUPITER

FOR EYEGLASS FRAMES.
Claims use since Apr. 1, 1946.

Ser. No. 541,117. THE RAY EWING COMPANY, South Pasadena, Calif. Filed Nov. 14, 1947.

MOISTROL

FOR SELF-MEASURING LIQUID VITAMIN DISPENSING UNIT, COMBINING A MORTAR AND PUMP.
Claims use since Jan. 16, 1947.

Ser. No. 544,506. BAILEY METER COMPANY, Cleveland, Ohio. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

BAILEY

METER

The word "Meter" is disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 335,079.
FOR MEASURING, CONTROLLING, AND REGULATING INSTRUMENTS, SYSTEMS, AND APPARATUS—NAMELY, RECORDERS, INDICATORS, INTEGRATORS, REGULATORS AND CONTROLLERS OF COMBUSTION, OF PROCESSES, AND OF FLUID FLOW AND CONDITIONS PERTINENT TO FLUIDS SUCH AS RATE OF FLOW, LEVEL, TEMPERATURE, AND PRESSURE; REMOTE RECORDING, INDICATING, INTEGRATING, CONTROLLING AND TELEMETERING INSTRUMENTS, ADJUSTABLE ORIFICES AND OTHER APPARATUS APPURTENANT TO SUCH INSTRUMENTS; GAS ANALYZERS, INSTRUMENT AND CONTROL PANEL BOARDS, TIME CYCLE INSTRUMENTS AND CONTROLLERS, WEIGHING SCALES, AND ELECTRIC AND FLUID PRESSURE SELECTOR SWITCHES; PRESSURE, TEMPERATURE, LEVEL AND FLUID FLOW RESPONSIVE CONTROL VALVES; AND CHARTS PECULIAR TO THE OPERATION OF SAID INSTRUMENTS AND APPARATUS.
Claims use since Feb. 2, 1938.

Ser. No. 544,507. BAILEY METER COMPANY, Cleveland, Ohio. Filed Sept. 26, 1947. Under section 2f of the act of 1946.



The word "Meter" and the representation of a chart are disclaimed apart from the mark as shown. Applicant claims ownership of Registration No. 337,061.

FOR MEASURING, CONTROLLING, AND REGULATING INSTRUMENTS, SYSTEMS, AND APPARATUS—NAMELY, RECORDERS, INDICATORS, INTEGRATORS, REGULATORS AND CONTROLLERS OF COMBUSTION, OF PROCESSES, AND OF FLUID FLOW AND CONDITIONS PERTINENT TO FLUIDS SUCH AS RATE OF FLOW, LEVEL, TEMPERATURE, AND PRESSURE; REMOTE RECORDING, INDICATING, INTEGRATING, CONTROLLING AND TELEMETERING INSTRUMENTS, ADJUSTABLE ORIFICES AND OTHER APPARATUS APPURTENANT TO SUCH INSTRUMENTS; GAS ANALYZERS, INSTRUMENT AND CONTROL PANEL BOARDS, TIME CYCLE INSTRUMENTS AND CONTROLLERS, WEIGHING SCALES, AND ELECTRIC AND FLUID PRESSURE SELECTOR SWITCHES; PRESSURE, TEMPERATURE, LEVEL AND FLUID FLOW RESPONSIVE CONTROL VALVES; AND CHARTS PECULIAR TO THE OPERATION OF SAID INSTRUMENTS AND APPARATUS.
Claims use since Feb. 2, 1933.

Ser. No. 553,054. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Mar. 26, 1948.

LAUREL

FOR OPHTHALMIC FRAMES AND MOUNTINGS.
Claims use since Dec. 16, 1947.

Ser. No. 558,150. MARBLE ARMS & MFG. COMPANY, Glasstone, Mich. Filed May 29, 1948. Under section 2f of the act of 1946.

MARBLE'S

FOR COMPASSES.
Claims use since 1910.

Ser. No. 559,061. SILLS & GREENE OPTICAL CORP., Brooklyn, N. Y. Filed June 11, 1948.

MIRRO-LITE

The word "Lite" is disclaimed apart from the mark.
FOR SUNGLASSES AND LENSES FOR GLASSES.
Claims use since Apr. 5, 1948.

CLASS 28

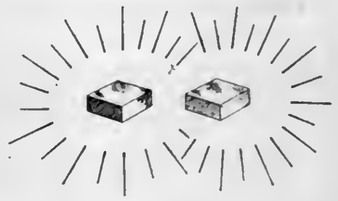
JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 530,322. S. LAZARUS & SONS, INC., Chicago, Ill. Filed Aug. 2, 1947. Under section 2f of the act of 1946.

GOLD MEDAL

No claim is made to the exclusive right to the use of a medal colored or made of gold. Applicant claims ownership of Registration No. 271,581.
FOR FINGER RINGS.
Claims use since Apr. 15, 1929.

Ser. No. 530,936. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Aug. 9, 1947.



The mark may be described as two separated blocks, each of rectangular configuration, and with fanciful ray-like emanations radiating from each block.
FOR SILVER-PLATED FLAT-WARE.
Claims use since June 18, 1940.

Ser. No. 560,025. KOVEN BROS., New York, N. Y. Filed June 23, 1948.

TETE A TETE

FOR FINGER RINGS.
Claims use since Mar. 3, 1948.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 549,392. THE MOREY MERCANTILE COMPANY, Denver, Colo. Filed Nov. 22, 1947.

SILVER BAND

Applicant claims ownership of Registration No. 139,353.
FOR BROOMS.
Claims use since Nov. 1, 1919.

Ser. No. 549,393. THE MOREY MERCANTILE COMPANY, Denver, Colo. Filed Nov. 22, 1947.

Solitaire

Applicant claims ownership of Registration No. 138,068.
FOR BROOMS.
Claims use since Nov. 1, 1919.

Ser. No. 557,073. SAFEWAY STORES, INCORPORATED, Oakland, Calif. Filed May 14, 1948.

BUDGET

FOR BROOMS.
Claims use since Feb. 20, 1948.

Ser. No. 566,276. HALEX LIMITED, London, England. Filed Aug. 31, 1948.

RONDATED

Applicant claims ownership of British Registration No. 650,671, dated June 2, 1947.
FOR TOOTHBRUSHES, HAIR BRUSHES, NAIL BRUSHES, AND SHAVING BRUSHES.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 515,668. METAL OFFICE FURNITURE CO., Grand Rapids, Mich. Original filed Jan. 13, 1947, under the act of 1905; amended to application under act of 1946, Dec. 13, 1947. Under section 2f of the act of 1946.

STEELCASE

FOR METAL FILING CABINETS, METAL STORAGE CASES, METAL TABULATING CARD FILES, METAL DESK TRAYS, METAL COSTUMERS, METAL DOCUMENT FILE CASES, METAL SECTIONAL FILING EQUIPMENT, METAL OFFICE TABLES, METAL OFFICE CHAIRS, METAL OFFICE DESKS AND TELEPHONE STANDS, METAL BOOKCASES.
Claims use since Jan. 31, 1920.

Ser. No. 541,149. THE LAMSON & SESSIONS CO., Cleveland, Ohio. Filed Nov. 14, 1947.

TREASURE CHEST

The word "Chest" is disclaimed.
FOR MERCHANDISING CABINETS.
Claims use since November 1936.

Ser. No. 562,590. GUILD INDUSTRIES, Brooklyn, N. Y. Filed May 20, 1948.

BABY BUTLER

The word "Baby" is disclaimed.
FOR JUVENILE FURNITURE—NAMELY, ADJUSTABLE AND FIXED TABLES AND CHAIRS.
Claims use since Mar. 1, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 546,412. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed Jan. 7, 1948. Under section 2f of the act of 1946.

TORCHWELD

Applicant claims ownership of Registration No. 409,624.
FOR GAS WELDING AND CUTTING APPARATUS AND SUPPLIES—NAMELY, TORCHES, TORCH LIGHTERS, TORCH TIPS, CUTTING ATTACHMENTS FOR TORCHES, GAS MIXERS FOR TORCHES, CUTTING MACHINES, BEVELING MACHINES, BEVELING AND SHAPE CUTTING ATTACHMENTS FOR CUTTING MACHINES, GAS GENERATORS, AND PARTS FOR THE FOREGOING.
Claims use since June 1918.

Ser. No. 561,844. MOTOR WHEEL CORPORATION, Lansing, Mich. Filed July 21, 1948.

Equaflame

FOR GAS BURNERS FOR WATER HEATERS.
Claims use since February 1948.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 562,775. THE GATES RUBBER COMPANY, Denver, Colo. Filed Aug. 4, 1948.

AIR-FLOAT

The word "Air" is disclaimed.
FOR PNEUMATIC TIRES.
Claims use since June 15, 1948.

CLASS 37

PAPER AND STATIONERY

Ser. No. 517,350. BROWN COMPANY, Berlin, N. H. Original filed Feb. 12, 1947, under the act of 1905; amended to application under act of 1946, Apr. 23, 1948.

NIBROC

VOLUMIZED

Applicant claims ownership of Registrations Nos. 110,721, 133,915, 168,705, 360,324, and 397,462.
FOR PAPER TOWELS AND TOWEL PAPER.
Claims use since February 1938.

Ser. No. 546,056. SCHLOSSER PAPER CORPORATION, New York, N. Y. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

MANSFIELD

Applicant claims ownership of Registration No. 196,250.
FOR WRITING PAPERS, PRINTING PAPERS, CORRESPONDENCE CARDS, ANNOUNCEMENT PAPERS, BLANK ANNOUNCEMENT CARDS, BRISTOL PAPERS, BRISTOL BOARDS, AND MAILING AND CORRESPONDENCE ENVELOPES.
Claims use since July 1, 1917.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 539,317. GROCER-GRAPHIC, INC., New York, N. Y. Filed Oct. 28, 1947. Under section 2f of the act of 1946.

GROCER-GRAPHIC

Applicant claims ownership of Registration No. 354,538.
FOR TRADE MAGAZINES AND PUBLICATIONS CIRCULATING AMONG RETAIL GROCERY STORES, INCLUDING COMBINATION MARKETS, SELF-SERVICE STORES, DELICATESSENS, SUPER MARKETS, EXECUTIVES AND STORE MANAGERS OF CORPORATE CHAIN GROCERY STORES, GROCERY JOBBERS AND FOOD BROKERS, AND CONTAINING ARTICLES, EDITORIAL MATTER AND ADVERTISEMENTS OF INTEREST TO SUCH TRADE.
Claims use since Aug. 10, 1937.

Ser. No. 539,352. SALES MANAGEMENT, INC., New York, N. Y. Filed Oct. 28, 1947. Under section 2f of the act of 1946.

Sales MANAGEMENT

Applicant claims ownership of Registration No. 385,539.
FOR TRADE MAGAZINES AND PUBLICATIONS CIRCULATING AMONG THE TRADE INTERESTED IN SELLING AND MARKETING, INCLUDING MAN POWER PROBLEMS, SPACE AND TIME ADVERTISING, PROMOTION, PACKAGING, TRANSPORTATION, MARKET RESEARCH, AND OTHER RESPONSIBILITIES OF THE SALES EXECUTIVE, AND CONTAINING ARTICLES, EDITORIAL MATTER AND ADVERTISEMENTS OF INTEREST TO SUCH TRADE.
Claims use since October 1918.

Ser. No. 555,176. MYER HALPER, doing business as Halper Publishing Co., Chicago, Ill. Filed Apr. 21, 1948.

Made To Measure

FOR TRADE PUBLICATIONS.
Claims use since Nov. 20, 1945.

Ser. No. 564,790. STEEL PUBLICATIONS, INC., Pittsburgh, Pa. Filed Sept. 7, 1948. Under section 2f of the act of 1946.

FURNACES

Applicant claims ownership of Registration No. 417,405.
FOR SECTION IN A PERIODICAL.
Claims use since 1931.

CLASS 39

CLOTHING

Ser. No. 528,303. THE NEATFORM CO. INC., New York, N. Y. Filed July 10, 1947.

"Kampus Girl"

FOR FOUNDATION GARMENTS, GIRDLES, AND BRASSIÈRES.
Claims use since 1937.

Ser. No. 528,951. J. EDWARDS & Co., Philadelphia, Pa. Filed July 10, 1947. Under section 2f of the act of 1946.

CORECTRED

Applicant claims ownership of Registration No. 308,340.
FOR LEATHER SHOES.
Claims use since Apr. 1, 1926.

Ser. No. 538,753. HOMELAND TAILORS, INC., Baltimore, Md. Filed Oct. 23, 1947.

HOMELAND TAILORS INC.

Applicant disclaims the descriptive words "Tailors Inc.," apart from the mark as shown.
FOR MEN'S AND YOUTHS' OUTER CLOTHING—NAMELY, SUITS, OVERCOATS, COATS, VESTS, TROUSERS, KNICKERBOCKERS, AND PANTS.
Claims use since Jan. 1, 1939.

Ser. No. 543,722. ADOLPH M. KROOP, trading as A. M. Kroop & Sons, Laurel, Md. Filed Dec. 8, 1947. Under section 2f of the act of 1946.

KROOP'S

FOR BOOTS, SHOES, JODHPURS, RIDING BOOTS, AND RACING BOOTS.
Claims use since 1932.

Ser. No. 544,070. DUTCHESS TEXTILE & HOSIERY CO., Westport, Conn. Filed Dec. 11, 1947.

"Dutex"

FOR WOMEN'S UNDERWEAR, HOSIERY, NIGHTGOWNS, HOUSE APRONS, HOUSE-COATS, BED JACKETS, HEADKERCHIEFS, WOMEN'S AND GIRLS' SLIPS, WOMEN'S AND GIRLS' SPORT JERSEYS AND SWEATERS, AND MEN'S AND WOMEN'S LEATHER AND FABRIC GLOVES.
Claims use since Oct. 17, 1946.

Ser. No. 544,561. FASHION PARK, INC., Rochester, N. Y. Filed Dec. 17, 1947. Under section 2f of the act of 1946.

HIGHGATE

Applicant claims ownership of Registrations Nos. 272,399 and 415,606.
FOR COATS, VESTS, PANTS, AND OVERCOATS FOR MEN AND BOYS.
Claims use since July 1, 1929.

Ser. No. 545,358. ALLEN EDMONDS SHOE CORPORATION, Belgium, Wis. Filed Dec. 24, 1947. Under section 2f of the act of 1946.

Borhide

Applicant claims ownership of Registration No. 371,045.
FOR SHOES OF LEATHER AND COMBINATIONS OF LEATHER, FABRIC, AND RUBBER.
Claims use since July 19, 1938.

Ser. No. 547,092. YOUNG CLASSICS, INC., New York, N. Y. Filed Jan. 14, 1948.

YC *Allure de Laine* YOUNG CLASSICS

No claim is made to the words "de Laine" and "Young Classics" apart from the mark shown.
FOR INFANTS', GIRLS', AND LADIES' COATS, MADE IN SUBSTANTIAL PART OF WOOL.
Claims use since Apr. 3, 1944.

Ser. No. 548,928. CHRISTY & COMPANY, LIMITED, London, England. Filed Feb. 6, 1948. Under section 2f of the act of 1946.

CHRISTYS'

Applicant claims ownership of Registration No. 63,577.
FOR HATS, CAPS, AND HELMETS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Nov. 22, 1909.

Ser. No. 550,517. JOAN KENLEY, INC., New York, N. Y. Filed Feb. 25, 1948.

Birthstone

FOR WOMEN'S AND MISSES' DRESSES AND BLOUSES.
Claims use since Jan. 28, 1937.

Ser. No. 550,523. JOAN KENLEY, INC., New York, N. Y. Filed Feb. 25, 1948. Under section 2f of the act of 1946.

Nancy Post

The name "Nancy Post" is fanciful.
FOR WOMEN'S AND MISSES' BLOUSES AND DRESSES.
Claims use since Dec. 6, 1936.

Ser. No. 551,754. BAAR & BEARDS, INC., New York, N. Y. Filed Mar. 12, 1948.

"PINCH - HIT"

No claim is made to the exclusive use of the word "Pinch."
FOR WOMEN'S CUMMERBUNDS.
Claims use since Jan. 12, 1948.

Ser. No. 551,920. BEN WIENER AND BRO., New York, N. Y. Filed Mar. 13, 1948.

"CHESTY"

Applicant claims ownership of Registration No. 333,410.
FOR BOYS' SUITS AND OVERCOATS.
Claims use since June 2, 1937.

Ser. No. 551,927. BEN WIENER AND BRO., New York, N. Y. Filed Mar. 13, 1948.

20 POINTER

Applicant claims ownership of Registration No. 376,123.
FOR BOYS' AND YOUNG MEN'S SUITS AND OVERCOATS.
Claims use since Feb. 15, 1939.

Ser. No. 551,928. BEN WIENER AND BRO., New York, N. Y. Filed Mar. 13, 1948.

Spirit of Youth

Applicant claims ownership of Registration No. 251,052.
FOR BOYS' AND MEN'S COATS, VESTS, TROUSERS, TOPCOATS, AND OVERCOATS.
Claims use since June 22, 1928.

Ser. No. 552,738. AMERICAN TEXTILE CONVERTERS, INC., New York, N. Y. Filed Mar. 23, 1948.

LITTLE EGO

FOR CHILDREN'S AND INFANTS' OUTERWEAR, COMPRISING CREEPERS, POLO SHIRTS, OVERALLS, BOYS' AND GIRLS' SUITS AND JACKETS, COWBOY SHIRTS AND OTHER SHIRTS, SHORTS, SKIRTS, BLOUSES, PANTY DRESSES AND OTHER DRESSES, HATS, CAPS, BERETS AND TAM O' SHANTERS.
Claims use since May 21, 1947.

Ser. No. 552,744. CAPE ANN MANUFACTURING CO., Gloucester, Mass. Filed Mar. 23, 1948.

FOUR-STRIPER

FOR MEN'S AND BOYS' WOOLEN AND COTTON COATS AND JACKETS.
Claims use since Apr. 15, 1947.

Ser. No. 552,948. COLLEGEVILLE FLAG AND MANUFACTURING COMPANY, Collegeville, Pa. Filed Mar. 25, 1948.

OZARK IKE

The trade-mark is the name of a well-known comic strip character.
FOR CHILDREN'S PLAYSUITS—NAMELY, BASEBALL UNIFORMS, STOCKINGS, AND CAPS THEREFOR.
Claims use since Feb. 9, 1948.

Ser. No. 553,066. BERKSHIRE FOOTWEAR CORPORATION, INC., Holliston, Mass. Filed Mar. 26, 1948.



The representation of the small boy shown on the drawing is fanciful.
FOR INFANTS' MOCCASIN SHOES.
Claims use since December 1945.

Ser. No. 555,691. ALBERT R. PEREZ, doing business as A. R. Perez Manufacturing Company, San Antonio, Tex. Filed Apr. 27, 1948.

Texas Golfer
Betty Jameson

The name "Betty Jameson" is the facsimile signature of Betty Jameson, a woman golfer.
FOR DRESSES.
Claims use since June 14, 1947.

Ser. No. 557,114. S. COHEN & CO. INC., New York, N. Y. Filed May 15, 1948.

Camislip

FOR LADIES' AND MISSES' SLIPS, NIGHTGOWNS, CAMISOLES, PANTIES, ENSEMBLES CONSISTING OF NIGHTGOWN AND NEGLIGEE, COAT AND PAJAMAS, LOUNGING ROBES, PANTALOONS, BLOOMERS, AND PETTICOATS.
Claims use since January 1948.

Ser. No. 557,670. LINCOLN STORES, INC., Quincy, Mass. Filed May 24, 1948. Under section 2f of the act of 1946.

Lady Lincoln

The trade-mark "Lady Lincoln" is not the name of any individual but is merely fanciful. Applicant claims ownership of Registration No. 385,705.
FOR WOMEN'S UNDERWEAR AND WOMEN'S HOSIERY.
Claims use since Mar. 15, 1937.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 531,987. BALLOID BASLER CELLULOIDWARENFABRIK A. G. THERWIL, Therwil, Switzerland. Filed Aug. 21, 1947.

THERLOID

Applicant claims ownership of Swiss Registration No. 119,582, dated Mar. 14, 1947.
FOR DRESSING COMBS, POCKET COMBS, FANCY HAIR COMBS OF NON-PRECIOUS MATERIAL, HAIR PINS AND HAIR BARRETS OF NON-PRECIOUS MATERIAL.

Ser. No. 542,897. WAVERSHOE TRIMMING CO., INC., New York, N. Y. Filed Dec. 1, 1947.

WTCO

STATAK

FOR PIPINGS AND TRIMMINGS OF LEATHER AND OF FABRIC AS USED BY SHOE MANUFACTURERS AND LADIES' HANDBAG MANUFACTURERS.
Claims use since 1938.

Ser. No. 558,741. ARMAND SCHWAB & CO., INC., New York, N. Y. Filed June 8, 1948.

"BON-BON"

FOR MILLINERY BRAIDS.
Claims use since June 1, 1948.

Ser. No. 559,490. ARMAND SCHWAB & CO., INC., New York, N. Y. Filed June 17, 1948.

"CANDY"

FOR MILLINERY BRAIDS.
Claims use since Sept. 26, 1947.

Ser. No. 566,368. THOMAS TAYLOR & SONS, INC., Hudson, Mass. Filed Oct. 2, 1948. Under section 2f of the act of 1946.

Taylormade

The trade-mark consists of the word "Taylormade." Applicant claims ownership of Registration No. 386,255.
FOR SHOE LACES.
Claims use since 1936.

Ser. No. 567,196. ROGER C. GRISWOLD, doing business as Braid-Aid Company, Kingston, Mass. Filed Oct. 19, 1948.

BRAIDKIN

FOR HAND SEWING NEEDLES FOR USE IN MAKING BRAIDED RUGS.
Claims use since Apr. 1, 1948.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 507,932. PHYSICAL MEDICINE INSTRUMENT COMPANY, INC., Indianapolis, Ind. Original filed Aug. 23, 1946, under the act of 1905; amended to application under act of 1946, Sept. 11, 1947. Under section 2f of the act of 1946.



No claim is made to the words "Road to Health Plasmatic Therapy."
FOR ELECTRIC THERAPEUTIC DEVICE FOR IMPARTING INFRA RED HEAT TO THE HUMAN BODY.
Claims use since June 15, 1935.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 540,049. CHARLES A. DIEMAN, Lanham Md. Filed Nov. 4, 1947.
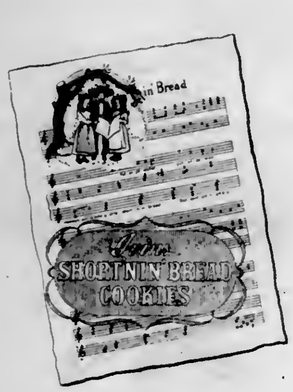
Hot Joe

FOR COFFEE FLAVORED MALTLESS SOFT DRINK.
Claims use since Oct. 3, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 470,834. J. S. IVINS' SON, INC., Philadelphia, Pa., assignor to Carr-Consolidated Biscuit Company, Wilkes-Barre, Pa., a corporation of Illinois. Original filed June 1, 1944, under the act of 1905; amended to application under act of 1946, Aug. 14, 1947. Under section 2f of the act of 1946 as to "Ivins."



The words "Short 'Nin' Bread Cookies" and the musical notes and the words of the song are disclaimed apart from the mark. The vertical shading in the drawing indicates the color red. The representation of the three children is purely fanciful. Applicant claims ownership of Registrations Nos. 305,151 and 372,093.
FOR COOKIES.
Claims use since January 1896 as to the name "Ivins"; and since May 19, 1944, as shown.

Ser. No. 471,984. PLOCHMAN & HARRISON, Chicago, Ill. Original filed July 7, 1944, under the act of 1905; amended to application under act of 1946, Oct. 21, 1947. Under section 2f of the act of 1946.

glass top

The exclusive right to the use of a container with a glass top is disclaimed.
FOR PREPARED MUSTARD.
Claims use since June 19, 1939.

Ser. No. 521,869. FLAVOR CORPORATION OF AMERICA, Chicago, Ill. Original filed May 5, 1947, under the act of 1905; amended to application under act of 1946, Dec. 12, 1947.

F

C

A

FOR FLAVORING EXTRACTS FOR MEAT FLAVORING, INCLUDING SAUSAGE SEASONING, FRUIT FLAVORINGS FOR USE IN BAKING, CONFECTIONERY, ICE CREAM, PRESERVES AND CANNED FRUIT, PICKLE FLAVORING, CONDIMENT FLAVORING, SPICE FLAVORING, AND FLAVORING FOR ANIMAL FOOD.
Claims use since Aug. 15, 1946.

Ser. No. 530,190. GOLDEN GUERNSEY, INC., Peterborough, N. H. Filed Aug. 1, 1947. Under section 2f of the act of 1946.

GOLDEN GUERNSEY

The word "Guernsey" is disclaimed.
FOR FLUID MILK AND CREAM.
Claims use since Aug. 25, 1923.

Ser. No. 530,191. GOLDEN GUERNSEY, INC., Peterborough, N. H. Filed Aug. 1, 1947. Under section 2f of the act of 1946.



The words "Guernsey, Production supervised by Golden Guernsey Inc." are disclaimed. The drawing is lined to indicate yellow color.
FOR FLUID MILK AND CREAM.
Claims use since Aug. 25, 1923.

Ser. No. 534,314. C. F. MUELLER CO., Jersey City, N. J., now by merger C. F. Mueller Company, a corporation of Delaware. Filed Sept. 12, 1947. Under section 2f of the act of 1946.

MUELLER'S

FOR NOODLES, MACARONI, SPAGHETTI, AND ANALOGOUS ALIMENTARY PASTES.
Claims use since Dec. 1, 1893.

Ser. No. 536,851. VAN DUSEN HARRINGTON CO., Minneapolis, Minn., operating through a division known as King Midas Flour Mills. Filed Oct. 4, 1947.



The drawing is lined to indicate coloring but coloring is not claimed.
FOR WHEAT FLOUR.
Claims use since 1890.

Ser. No. 537,465. KRAFT FOODS COMPANY, Chicago, Ill. Filed Oct. 10, 1947. Under section 2f of the act of 1946.

MOHAWK VALLEY

FOR CHEESE.
Claims use since 1912.

Ser. No. 537,813. MORTON SALT COMPANY, Chicago, Ill. Filed Oct. 14, 1947.



The drawing is lined to indicate the colors red and blue.
FOR SALT.
Claims use since Apr. 1, 1939.

Ser. No. 538,279. GIBSON PACKING COMPANY, doing business as American Products Company, Yakima, Wash. Filed Oct. 18, 1947.

B-SURE AMERICAN

The word "American" is disclaimed.
FOR CANNED DOG AND CAT FOOD.
Claims use since Sept. 13, 1947.

Ser. No. 544,474. STEINWENDER, STOFFREGEN & CO., INC., New York, N. Y. Filed Dec. 10, 1947.

DON CARLOS

Applicant claims ownership of Registration No. 184,642.
FOR GREEN COFFEE.
Claims use since 1920.

CLASS 47

CLASS 48

Ser. No. 544,039. BRADFORD DYEING ASSOCIATION (U. S. A.), Westerly, R. I., and New York, N. Y. Filed

Ser. No. 546,580. SAM GOLDSTINE & SON, Phoenix, Ariz. Filed Jan. 9, 1946.

Laura Belle

FOR FRESH VEGETABLES.
Claims use since Nov. 12, 1947.

Ser. No. 547,422. HARRY H. BRAKELEY, JR., doing business as The Brakeley Canning Co., and The Brakeley Food Products Co., Bordentown, N. J. Filed Jan. 19, 1948.

Little Darling

Applicant claims ownership of Registration No. 277,582.
FOR CANNED VEGETABLES, CANNED FRUITS, TOMATO CATSUP, AND CHILI-SAUCE.
Claims use since 1903.

Ser. No. 552,775. ALFRED M. HILMER, Springfield, Ill. Filed Mar. 23, 1948.

FMH

FOR CHILLI-POWDER SEASONINGS.
Claims use since Sept. 15, 1947.

Ser. No. 575,255. DERAN CONFECTIONERY CO., INC., Cambridge, Mass. Filed Mar. 11, 1949.

MY BABY

FOR CANDY.
Claims use since Feb. 21, 1949.

CLASS 47

WINES

Ser. No. 553,123. MUSCAT COOPERATIVE WINERY ASSOCIATION, Kingsburg, Calif. Filed Mar. 26, 1948. Under section 2f of the act of 1946.

Wineland

Applicant claims ownership of Registration No. 391,092.
FOR WINES.
Claims use since Mar. 25, 1940.

Ser. No. 564,017. LUCIEN ARDIN, INC., New York, N. Y. Filed Apr. 19, 1949. Under section 2f of the act of 1946.

Ardin
Grand Vin Rouge

Applicant disclaims the generic words "Vin Rouge" separated from the mark as shown. The drawing is lined for the color red. Applicant claims ownership of Registration No. 405,102.
FOR WINES.
Claims use since 1906.

Ser. No. 564,019. LUCIEN ARDIN, INC., New York, N. Y. Filed Apr. 19, 1948. Under section 2f of the act of 1946.

Ardin
Scintillant

The drawing is lined for shading only. Applicant claims ownership of Registration No. 407,845.
FOR WINES.
Claims use since 1905.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 543,734. PABST BREWING COMPANY, Milwaukee, Wis. Filed Dec. 8, 1947. Under section 2f of the act of 1946.

Pabst

Applicant claims ownership of Registrations Nos. 34,379, 55,858, 57,226, 57,999, 136,142, 162,331, 178,340, 178,341, 228,282, 271,202, 285,860, and 314,829.
FOR BEER.
Claims use since 1889.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 520,139. PAUL FREREY, Paris, France. Original filed Mar. 21, 1947, under the act of 1905; amended to application under act of 1946, Dec. 31, 1947.

SOSIA

Applicant claims ownership of French Registration No. 373,412, dated Dec. 27, 1946.
FOR DRESS FORMS MADE OF WOOD, CARDBOARD, METAL OR MOLDED MATERIALS.

Ser. No. 521,234. WALTER R. ARICK, Fort Wayne, Ind. Original filed Apr. 24, 1947, under the act of 1905; amended to application under act of 1946, Mar. 13, 1948.

ARIXPLATE

FOR PRINTING PLATES.
Claims use since Apr. 11, 1947.

CLASS 55

SERVICES

Ser. No. 531,575. JAMES CALDER, doing business as Calder's Van Co., Chicago, Ill. Filed Aug. 16, 1947. SERVICE MARK. Under section 2f of the act of 1946.

CALDER'S

ACROSS THE STREET OR ACROSS THE COUNTRY

FOR LOCAL AND LONG DISTANCE MOVING OF FURNITURE AND OTHER GOODS BY MOTOR VAN.
Claims use since March 1932.

Ser. No. 544,039. BRADFORD DYEING ASSOCIATION (U. S. A.), Westerly, R. I., and New York, N. Y. Filed Dec. 11, 1947. SERVICE MARK.

BRADFORD
BRADFASET

No claim is made to the exclusive use of the word "Bradford" apart from the mark as shown. Applicant claims ownership of Registrations Nos. 188,786, 191,126, 191,141, 191,214, 191,215, 191,216, 191,217, 191,728, 191,783, 191,785, 191,787, 191,788, 192,768, 192,888, 195,498, 195,571, 204,517, 204,518, 335,620, 384,379, 385,598, 412,689, 413,161, 419,345, and 419,346.
FOR SERVICES RENDERED MANUFACTURERS OF ALL KINDS OF FABRIC INCLUDING COTTON, WOOL, WORSTED, ACETATE RAYON, SPUN RAYON AND MIXED FIBERS, WHICH SERVICES CONSIST OF RENDERING CLOTH STABILIZED AND SHRUNK BY SPECIAL RESIN TREATMENT.
Claims use since Aug. 28, 1940.

Ser. No. 544,047. BRADFORD DYEING ASSOCIATION (U. S. A.), Westerly, R. I., and New York, N. Y. Filed Dec. 11, 1947. SERVICE MARK.

BRADYE

The word "Dye" is disclaimed apart from the mark. Applicant claims ownership of Registrations Nos. 188,786, 191,126, 191,141, 191,214, 191,215, 191,216, 191,217, 191,728, 191,783, 191,785, 191,787, 191,788, 192,768, 192,888, 195,498, 195,571, 204,517, 204,518, 335,620, 384,379, 385,598, 412,689, 413,161, 419,345, and 419,346.
FOR SERVICES RENDERED MANUFACTURERS OF ALL KINDS OF FABRIC INCLUDING COTTON, WOOL, WORSTED, ACETATE RAYON, SPUN RAYON AND MIXED FIBERS; WHICH SERVICES CONSIST OF RENDERING FABRIC FAST TO LIGHT AND FAST TO GAS FUME FADING BY PIGMENT DYEING.
Claims use since Sept. 22, 1944.

Ser. No. 550,026. CRESCENT ENGINEERING COMPANY, Chicago, Ill., assignor to Crescent Engineering Company, Chicago, Ill., a corporation of Illinois. Filed Feb. 18, 1948. SERVICE MARK.



No claim is made to the abbreviation "Eng." apart from the mark as shown.

FOR ELECTRICAL ENGINEERING AND CONTRACTING SERVICE—NAMELY, THE DESIGN, LAYOUT, AND INSTALLATION OF COMMERCIAL AND INDUSTRIAL ELECTRICAL SYSTEMS, EQUIPMENT, APPARATUS, FIXTURES AND CIRCUITS, AND THE REPAIR AND REMODELING OF THE SAME.

Claims use since Nov. 15, 1947.

Ser. No. 550,433. PERSONAL LINEN SUPPLY COMPANY, Cedarhurst, N. Y., assignor to Seymour A. Liss, doing business as Personal Linen Supply Company, Cedarhurst, N. Y. Filed Feb. 24, 1948. SERVICE MARK.



FOR LINEN SUPPLY SERVICES, CONSTITUTING LAUNDERING, RENTAL OF UNIFORMS, SHEETS, PILLOW CASES, TOWELS, AND TABLE LINENS.

Claims use since Sept. 1, 1947.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

442,972. MECHANICAL FLUID STRAINING AND FILTERING APPARATUS FOR USE AS ACCESSORIES FOR INTERNAL COMBUSTION ENGINES, AND REPLACEMENT FILTERING ELEMENTS FOR SAID APPARATUS. DIESEL FILTER CO., El Monte, Calif.

Filed Jan. 15, 1944, Serial No. 466,608. Published Mar. 15, 1949. Class 31.

442,973. ELECTRIC TERMINALS AND CONTACTS; TROLLEY SHOES; SWITCH CONTACTS; ELECTRIC RESISTANCE AND FLASH WELDING ELECTRODES; AND ELECTRODE HOLDERS, ETC. AMPCO METAL, INC., Milwaukee, Wis.

Filed Feb. 2, 1945, Serial No. 479,323. Published Aug. 6, 1946. Class 21.

442,974. MARINE BOATS UNDER 75 FEET IN LENGTH, EXCLUDING TOY BOATS. GUST KALYBABA, Kirkland, Wash.

Filed July 26, 1945, Serial No. 486,306. Published Feb. 8, 1949. Class 19.

442,975. SWEATERS AND HOSIERY. HEALTHGUARD KNITWEAR LIMITED, Leicester, England.

Filed Mar. 12, 1946, Serial No. 498,064. Published Mar. 1, 1949. Class 39.

442,976. ATTACHMENT TO THE NECK OF A SPIRITS BOTTLE FOR USE IN DISPENSING LIQUORS IN A KNOWN QUANTITY. MODERN ENGINEERING AND DEVELOPMENT CO., Los Angeles, Calif., assignor to Modern Sales Co., a copartnership.

Filed Apr. 6, 1946, Serial No. 499,795. Published Mar. 15, 1949. Class 26.

442,977. HEAT CONDUCTING ADHESIVE CEMENT COMPOSED OF GROUND FIRED CERAMIC MATERIAL WHICH UPON SETTING IS RESISTANT TO DECOMPOSITION BY HEAT, AND WHICH FOR USE IS MIXED WITH AN AQUEOUS SOLUTION OF A CRYSTALLIZING SALT SUCH AS SILICATE OF SODA CAUSING THE MATERIAL TO SET OR HARDEN BY CRYSTALLIZATION, ETC. UNITED STATES QUARRY TILE COMPANY, Canton and East Sparta, Ohio, and Parkersburg, W. Va.

Filed July 1, 1946, Serial No. 504,947. Published Feb. 8, 1949. Class 5.

442,978. HEAT CONDUCTING ADHESIVE CEMENT COMPOSED OF GROUND FIRED CERAMIC MATERIAL WHICH UPON SETTING IS RESISTANT TO DECOMPOSITION BY HEAT, ETC. UNITED STATES QUARRY TILE COMPANY, Canton and East Sparta, Ohio, and Parkersburg, W. Va.

Filed July 1, 1946, Serial No. 504,949. Published Feb. 8, 1949. Class 5.

442,979. SYNTHETIC ADHESIVE CEMENT—NAMELY, SYNTHETIC POLYMER OF A RESIN TYPE FOR LAMINATING AND BONDING TOGETHER WOOD, TEXTILES, FABRICS, PAPER, AND VARIOUS COMPOSITION MATERIALS. BEAUTYKOTE CORPORATION, Newark, N. J.

Filed Aug. 9, 1946, Serial No. 507,096. Published Jan. 4, 1949. Class 5.

442,980. SYNTHETIC ADHESIVE CEMENT—NAMELY, SYNTHETIC POLYMERS OF A RESIN TYPE FOR LAMINATING AND BONDING TOGETHER WOOD, TEXTILES, FABRICS, PAPER, AND VARIOUS COMPOSITION MATERIALS. TEX PRODUCTS, INC., Newark, N. J.

Filed Aug. 9, 1946, Serial No. 507,155. Published Jan. 11, 1949. Class 5.

442,981. CANNED FISH. BRISTOL BAY PACKING COMPANY, also doing business under the name Alaska Salmon Company, Seattle, Wash.

Filed Sept. 10, 1946, Serial No. 508,783. Published July 22, 1947. Class 46.

442,982. TRAILERS, TRUCK TRAILERS, AND PARTS THEREFOR. MUSTANG TRAILER COMPANY, Dallas, Tex.

Filed Nov. 2, 1946, Serial No. 511,953. Published Sept. 2, 1947. Class 19.

442,983. GLUE. THE CUDAHY PACKING CO., Chicago, Ill.

Filed Nov. 14, 1946, Serial No. 512,581. Published May 11, 1948. Class 5.

442,984. RADIO RECEIVERS. STEWART-WARNER CORPORATION, Chicago, Ill.

Filed Nov. 25, 1946, Serial No. 513,221. Published Apr. 20, 1948. Class 21.

442,985. FOOD FLAVORING EXTRACTS AND FOOD FLAVORS, ETC. HENRY HEIMAN, doing business as H. Heiman Company, New York, N. Y.

Filed Jan. 2, 1947, Serial No. 515,177. Published Mar. 15, 1949. Class 46.

442,986. CANNED HAM, BACON, CANNED PORK SHOULDER, CANNED CORNED BEEF HASH, CANNED SAUSAGE, AND CANNED SAUER KRAUT. TRUNZ, INCORPORATED, Brooklyn, N. Y.

Filed Jan. 3, 1947, Serial No. 515,240. Published Mar. 8, 1949. Class 46.

442,987. CANNED VEGETABLES, FRUITS AND BERRIES, CANNED OR BOXED SPICES, ETC. BENTLEY, SETTLE & CO. INC., Syracuse, N. Y.

Filed Jan. 16, 1947, Serial No. 515,814. Published Mar. 0, 1948. Class 46.

442,988. DIAL NUMERALS AND WATCH HANDS MADE OF PRECIOUS METAL AND ADAPTED FOR MOUNTING ON WATCH DIALS. DU BERN COMPANY, INC., Passaic, N. J.

Filed Feb. 24, 1947, Serial No. 517,977. Published Mar. 22, 1949. Class 27.

442,989. OPTICAL BENCHES, OPTICAL KITS, PRISM ASSEMBLIES, INDIVIDUAL LENSES AND PRISMS. CHARLES W. NORTH, doing business as Industrial Service, Minneapolis, Minn.

Filed Mar. 6, 1947, Serial No. 518,620. Published Mar. 15, 1949. Class 26.

442,990. ELECTRICAL APPARATUS FOR DETECTING THE ANGULAR LOCUS OF STATIC AND DYNAMIC UNBALANCE OF WHEELS. STEWART WARNER CORPORATION, Chicago, Ill.

Filed Mar. 29, 1947, Serial No. 519,839. Published Mar. 15, 1949. Class 26.

442,991. FLUID OPERATED AUTOMOBILE ACCESSORIES—NAMELY, FLUID OPERATED WINDSHIELD CLEANERS OF THE SQUEEGEE TYPE, AND PARTS THEREOF INCLUDING FLUID MOTORS, BLADES, AND ARMS, ETC. TRICO PRODUCTS CORPORATION, Buffalo, N. Y.

Filed Apr. 19, 1947, Serial No. 521,040. Published Feb. 8, 1949. Class 19.

442,992. BICYCLES. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y.

Filed May 5, 1947, Serial No. 521,882. Published Feb. 8, 1949. Class 19.

442,993. MACARONI, SPAGHETTI, AND EGG NOODLES. WORLD PACKING COMPANY, INC., New York, N. Y., and Trenton, N. J.

Filed May 12, 1947, Serial No. 522,276. Published Mar. 15, 1949. Class 46.

442,994. CANNED TOMATO COCKTAIL SAUCE. McKEON CANNING CO., INC., Burbank, Calif.
Filed May 16, 1947, Serial No. 522,473. Published Mar. 15, 1949. Class 46.

442,995. RADAR AND COMPUTER APPARATUS—NAMELY, EQUIPMENT AND PARTS THEREOF, ETC. REEVES INSTRUMENT CORPORATION, New York, N. Y.
Filed May 22, 1947, Serial No. 522,804. Published Mar. 15, 1949. Class 26.

442,996. POWER BOATS AND ROW BOATS. HARWILL, INC., St. Charles, Mich.
Filed May 22, 1947, Serial No. 522,807. Published Feb. 8, 1949. Class 19.

442,997. SHOES. BREVITT SHOES LIMITED, Leicester, England.
Filed May 23, 1947, Serial No. 522,916. Published Feb. 8, 1949. Class 39.

442,998. THIN SHEETS OF COLORED TRANSPARENT AND TRANSLUCENT HEAT- AND MOISTURE-PROOF PLASTIC FILM SOLD IN SHEETS OR FROM THE ROLL FOR USE AS COLOR SCREENS FOR SPOTLIGHTS. TRANSOLENE CORPORATION, Barrington, Ill.
Filed June 5, 1947, Serial No. 523,628. Published Feb. 15, 1949. Class 34.

442,999. BICYCLES. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y.
Filed June 27, 1947, Serial No. 524,981. Published Feb. 8, 1949. Class 19.

443,000. BICYCLES. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y.
Filed June 27, 1947, Serial No. 524,985. Published Feb. 8, 1949. Class 19.

443,001. LIQUID PREPARATIONS FOR HOUSEHOLD OR INDUSTRIAL USE HAVING DEODORANT AND INSECTICIDAL PROPERTIES. SUPER-X, INC., Cleveland, Ohio, now by change of name Quel Products Inc., a corporation of Ohio.
Filed July 3, 1947; Serial No. 525,980. Published Mar. 22, 1949. Class 6.

443,002. FORCED DRAFT WALL AND CEILING VENTILATORS AND HOUSINGS CONTAINING A VENTILATING FAN. FAN & BLOWER CORP., Brooklyn, N. Y.
Filed July 4, 1947, Serial No. 526,211. Published Mar. 22, 1949. Class 34.

443,003. OIL BURNERS. GEORGE STRYSKO, Flushing, N. Y.
Filed July 4, 1947, Serial No. 526,309. Published Mar. 8, 1949. Class 34.

ACT OF 1920

These registrations are not subject to opposition.

443,004. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN HYDRAULICS, INC., Sheboygan, Wis. Filed Dec. 19, 1945, Serial No. 493,526.

AMERICAN SAFETY POWER SPEED HAS NO EQUAL

FOR HYDRAULIC JACKS, HYDRAULIC AUTOMOBILE FENDER STRAIGHTENERS, HAND OPERATED BENCH TOOL GRINDERS, AND VISES.
Claims use since 1938.

ACT OF 1946, PRINCIPAL REGISTER

511,533. VEHICLE AXLES AND PARTS THEREOF—NAMELY, AXLE HOUSINGS SOLID AXLES, STEERING KNUCKLES, WHEELS, AND HUBS. THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich.
Original filed Dec. 18, 1944, under the act of 1905; amended to application under act of 1946, Aug. 13, 1947, Serial No. 477,724. Published Feb. 8, 1949. Class 19.

511,534. EQUIPMENT FOR USE IN THE GRAPHIC ARTS INDUSTRY, TO WIT: RUBBER PLATE MACHINES, PLATE WHIRLERS, LAYOUT TABLES, VACUUM PRINTING FRAMES, CONTACT PRINTING FRAMES, RUB-UP TABLES, DEVELOPING TROUGHS, AND PORTABLE PLATEMAKERS. AMERICAN TYPE FOUNDERS SALES CORPORATION, Elizabeth, N. J.
Original filed May 19, 1945, under the act of 1905; amended to application under act of 1946, Nov. 20, 1947, Serial No. 483,563. Published Mar. 15, 1949. Class 23.

511,535. HEAT EXCHANGERS FOR HEATING WATER WITH STEAM OR HOT WATER, INDIRECT WATER HEATERS, EXPANSION TANKS, ETC. BELL & GOSSETT COMPANY, Morton Grove, Ill.
Original filed Dec. 27, 1945, under the act of 1905; amended to application under act of 1946, Aug. 15, 1947, Serial No. 493,910. Published Mar. 8, 1949. Class 34.

511,536. MOTOR BUSSES AND MOTOR BUS BODIES. ACF-BRILL MOTORS COMPANY, Philadelphia, Pa.
Original filed Jan. 10, 1946, under the act of 1905; amended to application under act of 1946, May 6, 1948, Serial No. 494,533. Published Mar. 8, 1949. Class 19.

511,537. AGRICULTURAL MACHINES AND PARTS THEREOF—NAMELY, HAND OR POWER OPERATED NEEDLES AND PUMPS FOR THE INJECTION OF FERTILIZING AND TREATMENT LIQUIDS IN THE SOIL, AND SPRAYING APPARATUS. BERTRAND ROGER GLAENZER, Paris, France.
Original filed Jan. 23, 1946, under the act of 1905; amended to application under act of 1946, Oct. 15, 1947, Serial No. 495,230. Published Mar. 15, 1949. Class 23.

511,538. PEDAL-OPERATED JIG SAW FOR THERAPEUTIC PURPOSES. RUSSELL O. STEINER, St. Louis, Mo., assignee of Thera-Cycle Company.
Original filed Feb. 1, 1946, under the act of 1905; amended to application under act of 1946, Nov. 29, 1947, Serial No. 495,845. Published Mar. 15, 1949. Class 23.

511,539. UPPER LEATHER. BEGGS & COBB, INCORPORATED, Boston, Mass.
Original filed Feb. 4, 1946, under the act of 1905; amended to application under act of 1946, July 29, 1948, Serial No. 495,949. Published Mar. 22, 1949. Class 1.

511,540. EARTH MOVING MACHINERY AND EQUIPMENT—NAMELY, EARTH MOVERS, SCRAPERS, BULLDOZERS, RIPPERS, TAMPING ROLLERS, POWER TAKE-OFF UNITS AND PARTS THEREOF. WOOLDRIDGE MANUFACTURING COMPANY, Sunnyvale, Calif.
Original filed Feb. 4, 1946, under the act of 1905; amended to application under act of 1946, Oct. 24, 1947, Serial No. 496,003. Published Mar. 15, 1949. Class 23.

511,541. OUTBOARD MOTORS. NATIONAL PRESSURE COOKER COMPANY, Eau Claire, Wis.
Original filed May 16, 1946, under the act of 1905; amended to application under act of 1946, Oct. 25, 1947, Serial No. 502,223. Published Mar. 15, 1949. Class 23.

511,542. FRESH CITRUS FRUITS. SAN FERNANDO FRUIT GROWERS ASSOCIATION, San Fernando, Calif.
Original filed May 21, 1946, under the act of 1905; amended to application under act of 1946, Oct. 4, 1947, Serial No. 502,535. Published Mar. 15, 1949. Class 46.

511,543. FROZEN FOOD CABINETS FOR STORING AND KEEPING FOODS OF ALL KINDS AT A TEMPERATURE AT OR BELOW FREEZING TEMPERATURE. THE PURE OIL COMPANY, Chicago, Ill.
Original filed June 6, 1946, under the act of 1905; amended to application under act of 1940, Jan. 10, 1948, Serial No. 503,388. Published Oct. 12, 1948. Class 31.

511,544. FINGER RINGS, DIAMOND RINGS, WEDDING RINGS, AND FINGER RING MOUNTINGS. ARTHUR G. RIDER, doing business as A. G. Rider, Binghamton, N. Y.
Original filed Aug. 5, 1946, under the act of 1905; amended to application under act of 1940, Feb. 16, 1948, Serial No. 506,896. Published Mar. 22, 1949. Class 28.

511,545. SCAFFOLD HORSES. DABNEY ASHENFELTER, doing business as Bil-Jax Manufacturing Co., Swanton, Ohio, assignor to Bil-Jax, Inc., Archbold, Ohio, a corporation of Ohio.
Original filed Aug. 8, 1946, under the act of 1905; amended to application under act of 1946, July 11, 1947, Serial No. 507,035. Published Mar. 22, 1949. Class 50.

511,546. OIL WELL SURVEYING INSTRUMENTS, FOR RECORDING INCLINATION AND DEVIATION OF OIL WELLS, AND ORIENTING INSTRUMENTS FOR DETERMINING THE POSITION OF DEVICES WITHIN WELL BORES. EASTMAN OIL WELL SURVEY COMPANY, Denver, Colo.
Original filed Aug. 20, 1946, under the act of 1905; amended to application under act of 1946, Aug. 22, 1947, Serial No. 507,675. Published Mar. 15, 1949. Class 26.

511,547. SINGLE TREES, DOUBLE TREES, NECK YOKES, SINGLE TREE CLIPS, ETC. NIXDORFF-KREIN MFG. CO., St. Louis, Mo.
Original filed Sept. 26, 1946, under the act of 1905; amended to application under act of 1946, July 10, 1947, Serial No. 509,789. Published Mar. 1, 1949. Class 19.

511,548. FRESH CITRUS FRUITS. BROWNSVILLE CITRUS ASSOCIATION, Brownsville, Tex.
Original filed Dec. 13, 1946, under the act of 1905; amended to application under act of 1946, Nov. 14, 1947, Serial No. 514,177. Published Mar. 8, 1949. Class 46.

511,549. UPPER LEATHER. BEGGS & COBB, INCORPORATED, Boston, Mass.
Original filed Dec. 7, 1946, under the act of 1905; amended to application under act of 1946, July 29, 1948, Serial No. 515,983. Published Mar. 22, 1949. Class 1.

511,550. HYBRID SEED CORN. LOWE SEED COMPANY, Aroma Park, Ill.
Original filed Jan. 20, 1947, under the act of 1905; amended to application under act of 1946, Feb. 20, 1948, Serial No. 516,518. Published Mar. 22, 1949. Class 1.

511,551. AUTOMOBILES. HUMBER LIMITED, Coventry, Warwickshire, England.
Original filed Feb. 3, 1947, under the act of 1905; amended to application under act of 1946, Jan. 20, 1948, Serial No. 516,844. Published Mar. 22, 1949. Class 19.

511,552. AUTOMOBILES. HUMBER LIMITED, Warwickshire, England.
Original filed Feb. 3, 1947, under the act of 1905; amended to application under act of 1946, Jan. 20, 1948, Serial No. 516,845. Published Mar. 22, 1949. Class 19.

511,553. BICYCLES AND STRUCTURAL PARTS THEREOF. THE HUFFMAN MANUFACTURING COMPANY, Dayton, Ohio.
Original filed Feb. 26, 1947, under the act of 1905; amended to application under act of 1946, Apr. 1, 1948, Serial No. 518,145. Published Mar. 22, 1949. Class 19.

511,554. NUT MEATS AND UNSHELLED NUTS. THE L. DE MARTINI COMPANY, San Francisco, Calif.
Original filed Mar. 19, 1947, under the act of 1920; amended to application under act of 1946, July 11, 1947, Serial No. 519,264. Published Mar. 15, 1949. Class 46.

511,555. FEED FOR LIVESTOCK, I. E., OATS. MANION J. PRITCHARD, Minneapolis, Minn.
Original filed Mar. 26, 1947, under the act of 1905; amended to application under act of 1946, July 21, 1947, Serial No. 519,600. Published Aug. 17, 1948. Class 46.

511,556. FRUIT CONCENTRATES FOR FLAVORING FOODS. NEIL PRODUCTS INC., Los Angeles, Calif.
Original filed Mar. 31, 1947, under the act of 1905; amended to application under act of 1946, July 5, 1947, Serial No. 519,892. Published Mar. 8, 1949. Class 46.

511,557. CLOCKS—NAMELY, BOUDOIR, DESK, MANTEL, AND ALARM CLOCKS AND PARTS OF CLOCKS. THE LUX CLOCK MANUFACTURING COMPANY, Waterbury, Conn.
Original filed Apr. 23, 1947, under the act of 1905; amended to application under act of 1946, Jan. 15, 1948, Serial No. 521,198. Published Mar. 22, 1949. Class 27.

511,558. FRESH CITRUS FRUITS AND FRESH TOMATOES. POLIS & HAGAN, Edinburg, Tex.
Original filed Apr. 28, 1947, under the act of 1905; amended to application under act of 1946, Sept. 26, 1947, Serial No. 521,465. Published Mar. 15, 1949. Class 46.

511,559. PRINTED SLIDE-CHARTS FOR CALCULATION AND CORRELATION OF TECHNICAL DATA AND PRINTED INDICIA. PERRYGRAF CORPORATION, Maywood, Ill.
Original filed May 2, 1947, under the act of 1905; amended to application under act of 1946, Dec. 11, 1947, Serial No. 521,752. Published Mar. 15, 1949. Class 26.

511,560. CHEWING GUM. AMERICAN CHEWING PRODUCTS CORP., Newark, N. J.
Original filed May 10, 1947, under the act of 1905; amended to application under act of 1946, Nov. 25, 1947, Serial No. 522,501. Published Mar. 8, 1949. Class 46.

511,561. LUBRICATING OILS AND GREASES. PATE OIL COMPANY, Milwaukee, Wis.
Filed Sept. 24, 1947, Serial No. 535,614. Published Mar. 29, 1949. Class 15.

511,562. NARROW-GAUGE TRACTOR. WESTERN GEAR WORKS, Seattle, Wash.
Original filed June 2, 1947, under the act of 1905; amended to application under act of 1946, Nov. 22, 1947, Serial No. 523,438. Published Mar. 15, 1949. Class 23.

511,563. STERLING SILVER FLATWARE. THE ELLMORE SILVER CO., INC., Meriden, Conn.
Original filed June 6, 1947, under the act of 1905; amended to application under act of 1946, Jan. 13, 1948, Serial No. 523,658. Published Mar. 22, 1949. Class 28.

511,564. VAPOR-TIGHT LIGHTING UNITS—NAMELY, ELECTRIC LAMP OUTLETS AND JUNCTION BOXES. BENJAMIN ELECTRIC MANUFACTURING COMPANY, Des Plaines, Ill.
Original filed June 7, 1947, under the act of 1905; amended to application under act of 1946, Apr. 16, 1948, Serial No. 523,737. Published Mar. 8, 1949. Class 21.

511,565. BRIQUETTED COAL. THE C. REISS COAL COMPANY, Sheboygan, Wis.
Original filed June 12, 1947, under the act of 1905; amended to application under act of 1946, Feb. 11, 1948, Serial No. 524,081. Published Mar. 22, 1949. Class 1.

511,566. STERLING SILVER FLATWARE. THE ELLMORE SILVER CO., INC., Meriden, Conn.
Original filed June 13, 1947, under the act of 1905; amended to application under act of 1946, Feb. 3, 1948, Serial No. 524,123. Published Mar. 22, 1949. Class 28.

511,567. STERLING SILVER FLATWARE. THE ELLMORE SILVER CO., INC., Meriden, Conn., assignor to Amston Silver Company, Inc., Amston, Conn., a corporation of Connecticut.
Original filed June 18, 1947, under the act of 1905; amended to application under act of 1946, Feb. 3, 1948, Serial No. 524,389. Published Mar. 22, 1949. Class 28.

511,568. CONDENSING UNITS FOR ELECTRIC DOMESTIC AND COMMERCIAL REFRIGERATORS AND REPLACEMENT AND REPAIR PARTS THEREFOR; ETC. MELCHOIR, ARMSTRONG, DESSAU CO. OF DELAWARE, INC., Ridgefield, N. J.
Original filed June 20, 1947, under the act of 1905; amended to application under act of 1946, Feb. 6, 1948, Serial No. 524,549. Published Mar. 22, 1949. Class 31.

511,569. GAGES OF PLASTIC MATERIAL FOR DETERMINING CLEARANCE IN MACHINE BEARINGS. PERFECT CIRCLE CORPORATION, Hagerstown, Ind.
Original filed June 21, 1947, under the act of 1905; amended to application under act of 1946, Sept. 24, 1947, Serial No. 524,619. Published Mar. 15, 1949. Class 26.

511,570. GARDEN SEEDS AND ONION SETS. THE PEACOCK CORPORATION, Kenosha, Wis.
Original filed June 27, 1947, under the act of 1905; amended to application under act of 1946, Nov. 22, 1947, Serial No. 525,032. Published Mar. 22, 1949. Class 1.

511,571. ELECTRICAL APPARATUS—NAMELY, CONDUIT FITTINGS, OUTLET BOXES, SWITCH BOXES, BOX CONNECTORS, CONDUIT COUPLINGS, ETC. APPLETON ELECTRIC COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 526,663. Published Mar. 1, 1949. Class 21.

511,572. STERLING SILVER FLATWARE, HOLLOWWARE, AND JEWELRY FOR PERSONAL WEAR—NAMELY, FINGER RINGS, ORNAMENTAL PINS, NECKLACES, BRACELETS, TIE CLIPS, AND FOBS. ST. LOUIS METALCRAFTS INC., St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,118. Published Mar. 22, 1949. Class 28.

511,573. SILVER PLATED FLATWARE, HOLLOWWARE AND JEWELRY FOR PERSONAL WEAR—NAMELY, FINGER RINGS, ORNAMENTAL PINS, NECKLACES, BRACELETS, TIE CLIPS, AND FOBS. ST. LOUIS METALCRAFTS INC., St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,180. Published Mar. 22, 1949. Class 28.

511,574. TEMPERATURE REGULATING SYSTEMS, ETC. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn.
Filed July 5, 1947, Serial No. 527,864. Published Mar. 15, 1949. Class 26.

511,575. ELECTRONICALLY OPERATED INSTRUMENT FOR CONTROLLING THE SUPPLY OF FUEL FOR COMBUSTION. WHEELCO INSTRUMENTS COMPANY, Chicago, Ill.
Filed July 8, 1947, Serial No. 528,104. Published Mar. 15, 1949. Class 26.

511,576. ELECTRONICALLY OPERATED INSTRUMENTS FOR INDICATING AND CONTROLLING VARIABLES SUCH AS TEMPERATURES, FLUID FLOWS, AND ELECTRICAL VOLTAGES AND CURRENTS AND ELECTRONICALLY OPERATED INSTRUMENTS FOR CONTROLLING THE SUPPLY OF FUEL FOR COMBUSTION, AND PARTS AND ACCESSORIES THEREFOR. WHEELCO INSTRUMENTS COMPANY, Chicago, Ill.
Filed July 8, 1947, Serial No. 528,158. Published Mar. 15, 1949. Class 26.

511,577. MECHANICAL LOADING ATTACHMENTS FOR TRUCKS, THE ATTACHMENT BEING OPERATED BY TRUCK MOVEMENT. SHOVELLER CORPORATION, Portland, Maine.
Filed July 19, 1947, Serial No. 528,957. Published Mar. 15, 1949. Class 23.

511,578. JEWELRY, NOT INCLUDING WATCHES—NAMELY, BRACELETS, BROOCHES, NECKLACES, EARRINGS, CLIPS, AND HAIR ORNAMENTS, ALL OF THE FOREGOING ARTICLES BEING MADE OF PRECIOUS METAL OR PLATED WITH THE SAME. MAZER BROS. INC., New York, N. Y.
Filed July 22, 1947, Serial No. 529,182. Published Mar. 22, 1949. Class 28.

511,579. MECHANICAL LOADING ATTACHMENTS FOR TRUCKS, THE ATTACHMENT BEING OPERATED BY TRUCK MOVEMENT. SHOVELLER CORPORATION, Portland, Maine.
Filed July 22, 1947, Serial No. 529,534. Published Mar. 15, 1949. Class 23.

511,580. FRESH VEGETABLES, AND SPECIFICALLY FRESH MELONS, FRESH CELERY, AND FRESH ASPARAGUS. GEORGE COVERT, Tracy, Calif.
Filed July 28, 1947, Serial No. 529,750. Published Mar. 8, 1949. Class 46.

511,581. COMPLEX SYNTHETIC RESINS IN THE FORM OF PARTICULATE SOLIDS, ETC. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed July 30, 1947, Serial No. 530,014. Published Mar. 15, 1949. Class 31.

511,582. FLAVORING IN LIQUID FORM FOR IMPARTING A BUTTER FLAVOR TO BAKERY PRODUCTS AND CANDY. VEJIN, INC., Cincinnati, Ohio.
Filed July 31, 1947, Serial No. 530,132. Published Mar. 15, 1949. Class 46.

511,583. HEATSEALING TAPE. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J.
Filed Aug. 2, 1947, Serial No. 530,313. Published Jan. 11, 1949. Class 5.

511,584. FRICTION TAPES AND RUBBER ADHESIVE TAPES. THE OKONITE COMPANY, Passaic, N. J.
Filed Aug. 2, 1947, Serial No. 530,332. Published Mar. 1, 1949. Class 5.

511,585. LIGHT SHIELDS AND COVER GLASSES FOR USE WITH ORDINARY FLUORESCENT AND INCANDESCENT ELECTRIC LIGHTS. CORNING GLASS WORKS, Corning, N. Y.
Filed Aug. 5, 1947, Serial No. 530,469. Published Mar. 8, 1949. Class 34.

511,586. LIGHT SHIELDS AND COVER GLASSES FOR USE WITH ORDINARY FLUORESCENT AND INCANDESCENT ELECTRIC LIGHTS. CORNING GLASS WORKS, Corning, N. Y.
Filed Aug. 5, 1947, Serial No. 530,470. Published Mar. 8, 1949. Class 34.

511,587. CHOCOLATE COATING, FOR FOOD PURPOSES, MOULDED IN LARGE BLOCKS, PACKED IN MULTIPLE IN BIG PACKAGES AND SOLD TO MANUFACTURING CONFECTIONERS. WILBUR-SUCHARD CHOCOLATE COMPANY, INC., Lititz, Pa.
Filed Aug. 6, 1947, Serial No. 530,693. Published Mar. 15, 1949. Class 46.

511,588. COAL. RED JACKET COAL SALES COMPANY, Columbus, Ohio.
Filed Aug. 12, 1947, Serial No. 531,143. Published Mar. 22, 1949. Class 1.

511,589. AXLES FOR MOTOR VEHICLES AND BRAKES, BRAKING SYSTEMS, AND STRUCTURAL PARTS THEREOF FOR MOTOR VEHICLES. THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich.
Filed Aug. 15, 1947, Serial No. 531,546. Published Mar. 22, 1949. Class 19.

511,590. WATCH MOVEMENTS, AND FOR WATCH PARTS—NAMELY, STEMS, ROLLER JEWELS, STAFFS, HANDS, CROWNS, HAIR SPRINGS, MAIN SPRINGS, BALANCE WHEELS, AND GEARS, AND FOR WATCH CASES AND BEZELS. B. JADOW, INC., New York, N. Y.
Filed Aug. 20, 1947, Serial No. 531,915. Published Mar. 22, 1949. Class 27.

511,591. AIR FILTERS AND DUST ARRESTORS HAVING FILTERING SCREENS. NORTHERN BLOWER COMPANY, Cleveland, Ohio.
Filed Aug. 20, 1947, Serial No. 531,934. Published Mar. 15, 1949. Class 31.

511,592. GOLD PLATED AND SILVER PLATED COMPACTS AND GOLD PLATED AND SILVER PLATED CIGARETTE CASES. J. V. PILCHER MFG. COMPANY, Louisville, Ky.
Filed Aug. 21, 1947, Serial No. 532,056. Published Mar. 22, 1949. Class 28.

511,593. RADIO RECEIVING SETS AND RADIO PHONOGRAPH COMBINATION SETS, INCLUDING CABINETS THEREFOR. THE MAGNAVOX COMPANY, Fort Wayne, Ind.
Filed Aug. 22, 1947, Serial No. 532,145. Published Jan. 18, 1949. Class 21.

511,594. WATER HEATERS USING GAS AS A FUEL. SOUTHERN HEATER CORPORATION, Compton, Calif.
Filed Aug. 25, 1947, Serial No. 532,351. Published Mar. 8, 1949. Class 34.

511,595. MOLD BASES FOR COMPRESSION AND INJECTION MOLDS FOR MAKING PLASTIC ARTICLES. MASTER MACHINE & TOOL COMPANY, Chicago, Ill.
Filed Aug. 28, 1947, Serial No. 532,741. Published Mar. 15, 1949. Class 23.

511,596. BICYCLES. EDW. K. TRYON COMPANY, Philadelphia, Pa.
Filed Aug. 29, 1947, Serial No. 532,888. Published Mar. 22, 1949. Class 19.

511,597. DULL EDGED THIN BLADE MEAT SCRAPERS. STRUBLE PRODUCTS, Marshall, Mich.
Filed Sept. 8, 1947, Serial No. 533,773. Published Mar. 15, 1949. Class 23.

511,598. CANNED SALMON. BRISTOL BAY PACKING COMPANY, Seattle, Wash.
Filed Sept. 10, 1947, Serial No. 533,084. Published June 1, 1948. Class 46.

511,599. JEWELRY FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES—NAMELY, TIE SLIDES, TIE CHAINS, ETC. WALTER E. HAYWARD CO., INC., Attleboro, Mass.
Filed Sept. 13, 1947, Serial No. 534,430. Published Mar. 22, 1949. Class 28.

511,600. REPAIR KIT IN THE FORM OF A CARD OR A HOLDER CONTAINING REPAIR PARTS FOR A LIGHTER FOR GAS BURNERS CONSISTING OF WICK, FLINTS, STEEL SPRING, AND BRASS PRESSURE EQUALIZER. SPECIALTY MANUFACTURING COMPANY, Houston, Tex.
Filed Sept. 15, 1947, Serial No. 534,561. Published Jan. 18, 1949. Class 34.

511,601. AUTOMOBILE BODIES. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed Sept. 19, 1947, Serial No. 535,026. Published Mar. 22, 1949. Class 19.

511,602. OIL, GAS AND COAL FIRED WARM AIR FURNACES FOR DOMESTIC USE. THATCHER FURNACE COMPANY, Garwood, N. J.
Filed Sept. 19, 1947, Serial No. 535,098. Published Feb. 15, 1949. Class 34.

511,603. AUTOMOBILES AND STRUCTURAL PARTS THEREOF. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed Sept. 20, 1947, Serial No. 535,148. Published Mar. 22, 1949. Class 19.

511,604. HOLLOW WARE AND FLATWARE MADE WHOLLY OF, IN PART OF, OR PLATED WITH PRECIOUS METAL. GLASTONBURY, INC., Chicago, Ill.
Filed Sept. 20, 1947, Serial No. 535,146. Published Mar. 22, 1949. Class 28.

511,605. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, ETC. OSTBY AND BARTON COMPANY, Providence, R. I.
Filed Sept. 20, 1947, Serial No. 535,176. Published Mar. 22, 1949. Class 28.

511,606. CLOTHING — NAMELY, SHOES MADE OF LEATHER, ETC. THE HECHT COMPANY, Washington, D. C.
Filed Sept. 22, 1947, Serial No. 535,237. Published Mar. 8, 1949. Class 39.

511,607. FROZEN CONFECTIONS AND LIQUID SYRUPS OR CONCENTRATES FOR MAKING THE SAME. JOE LOWE CORPORATION, New York, N. Y.
Filed Sept. 23, 1947, Serial No. 535,334. Published Mar. 15, 1949. Class 46.

511,608. FUEL TANKS FOR TRUCKS AND OTHER VEHICLES FOR SUPPLYING FUEL TO THE POWER PLANTS THEREOF. GRIFFIN TANK & WELDING SERVICE, Dallas, Tex.
Filed Sept. 24, 1947, Serial No. 535,522. Published Mar. 22, 1949. Class 19.

511,609. OIL BURNERS AND SPACE HEATERS. U. S. MACHINE CORPORATION, Lebanon, Ind.
Filed Sept. 24, 1947, Serial No. 535,655. Published Feb. 22, 1949. Class 34.

511,610. OIL BURNERS. FLUID HEAT DIVISION, ANCHOR POST PRODUCTS, INC., Baltimore, Md.
Filed Sept. 26, 1947, Serial No. 535,839. Published Mar. 8, 1949. Class 34.

511,611. RAZOR BLADES. FRED HARVEY, Chicago, Ill.
Filed Oct. 1, 1947, Serial No. 536,382. Published Mar. 15, 1949. Class 23.

511,612. MARSHMALLOW CREAM. THE CREMO MFG. CO., Philadelphia, Pa.
Filed Oct. 3, 1947, Serial No. 536,580. Published Mar. 15, 1949. Class 46.

511,613. ELECTRIC ICE CREAM FREEZERS. CHICAGO ELECTRIC MANUFACTURING COMPANY, Chicago, Ill.
Filed Oct. 3, 1947, Serial No. 536,660. Published Mar. 15, 1949. Class 31.

511,614. GIRLS' DRESSES, BLOUSES, SKIRTS, BATHING SUITS, BEACHCOATS. GIMBEL BROTHERS, INC., New York, N. Y.
Filed Oct. 3, 1947, Serial No. 536,685. Published Mar. 8, 1949. Class 39.

511,615. FLOOR FURNACES. MAHL MFG. CO., Huntington Park, Calif.
Filed Oct. 6, 1947, Serial No. 536,938. Published Feb. 22, 1949. Class 34.

511,616. WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Oct. 8, 1947, Serial No. 537,138. Published Mar. 22, 1949. Class 27.

511,617. RUBBER SPONGES ADAPTED FOR GENERAL WASHING AND CLEANING PURPOSES. LEE RUBBER AND TIRE CORPORATION, Conshohocken, Pa.
Filed Oct. 8, 1947, Serial No. 537,201. Published Mar. 22, 1949. Class 1.

511,618. CANNED SOUPS, VEGETABLES, FRUITS, TOMATO JUICE, BEANS WITH PORK, SALMON. SPRINGFIELD GROCER COMPANY, Springfield, Mo.
Filed Oct. 9, 1947, Serial No. 537,370. Published Mar. 15, 1949. Class 46.

511,619. VITAMIN AND MINERAL-CONTAINING YEAST PREPARATION FOR FEEDING POULTRY, CATTLE, HORSES, AND PIGS. DELTAFOR ARTIEBOLAG, Orebro, Sweden.
Filed Oct. 10, 1947, Serial No. 537,391. Published Mar. 15, 1949. Class 46.

511,620. LEATHER. THE GRIESS-PFLEGER TANNING CO., Waukegan, Ill.
Filed Oct. 10, 1947, Serial No. 537,451. Published Mar. 22, 1949. Class I.

511,621. ALIMENTARY PASTES. V. ARENA & SONS, INC., Norristown, Pa.
Filed Oct. 13, 1947, Serial No. 537,650. Published Mar. 8, 1949. Class 46.

511,622. RODENT TRAPS. ANIMAL TRAP COMPANY OF AMERICA, Lititz, Pa.
Filed Oct. 21, 1947, Serial No. 538,485. Published Mar. 22, 1949. Class 50.

511,623. CLOCKS. CHELSEA CLOCK COMPANY, Chelsea, Mass.
Filed Oct. 21, 1947, Serial No. 538,494. Published Mar. 22, 1949. Class 27.

511,624. PAINTS (READY-MIXED, SEMI-PASTE, AND PASTE FORM); VARNISHES; ETC. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa.
Filed Oct. 23, 1947, Serial No. 538,708. Published Mar. 15, 1949. Class 16.

511,625. MARKING DEVICES AND ACCESSORIES THEREFOR—NAMELY, STEEL STAMPS AND LEAD SEAL PRESSES. A. C. GIBSON CO., INC., Buffalo, N. Y.
Filed Oct. 25, 1947, Serial No. 539,044. Published Mar. 15, 1949. Class 23.

511,626. WHEAT FLOUR. C. H. GUENTHER & SON, INC., doing business as Pioneer Flour Mills, San Antonio, Tex.
Filed Oct. 28, 1947, Serial No. 539,318. Published Feb. 22, 1949. Class 40.

511,627. HOUSEHOLD AND FACTORY SHEARS AND SCISSORS. GABE MANUFACTURING CORPORATION, New York, N. Y.
Filed Oct. 29, 1947, Serial No. 539,400. Published Mar. 15, 1949. Class 23.

511,628. HOUSE TRAILERS FOR AUTOMOBILES. PALACE CORPORATION, Flint, Mich.
Filed Oct. 29, 1947, Serial No. 539,430. Published Feb. 8, 1949. Class 19.

511,629. PINION AND GEAR CUTTING MACHINES, BENCH LATHES, ETC. EDMUND L. SANDERSON, doing business as Waltham Machine Works, Waltham, Mass., assignor to Waltham Machine Works, Inc., Waltham, Mass., a corporation of Massachusetts.
Filed Oct. 29, 1947, Serial No. 539,442. Published Mar. 15, 1949. Class 23.

511,630. HAND-OPERATED STAPLING MACHINES. A. L. HANSEN MFG. CO., Chicago, Ill.
Filed Nov. 1, 1947, Serial No. 539,872. Published Mar. 15, 1949. Class 23.

511,631. CANE SLINGS—VIZ., APPARATUS FOR HANDLING SUGAR CANE. AMERICAN HOIST & DERRICK CO., St. Paul, Minn.
Filed Nov. 3, 1947, Serial No. 539,927. Published Mar. 15, 1949. Class 23.

511,632. PLAIN PEANUT BUTTER SANDWICHES, CHEESE FLAVORED PEANUT BUTTER SANDWICHES, SHORTBREAD COOKIES, AND CREAM FILLED SANDWICHES FOR HUMAN CONSUMPTION. AUSTIN PACKING CO., INC., Baltimore, Md.
Filed Nov. 5, 1947, Serial No. 540,152. Published Mar. 8, 1949. Class 46.

511,633. PLAIN PEANUT BUTTER SANDWICHES AND CHEESE FLAVORED PEANUT BUTTER SANDWICHES FOR HUMAN CONSUMPTION. AUSTIN PACKING CO., INC., Baltimore, Md.
Filed Nov. 5, 1947, Serial No. 540,153. Published Mar. 8, 1949. Class 46.

511,634. PLAIN PEANUT BUTTER SANDWICHES, CHEESE FLAVORED PEANUT BUTTER SANDWICHES, SHORTBREAD COOKIES, AND CREAM FILLED SANDWICHES FOR HUMAN CONSUMPTION. AUSTIN PACKING CO., INC., Baltimore, Md.
Filed Nov. 5, 1947, Serial No. 540,154. Published Mar. 8, 1949. Class 46.

511,635. LATCH NEEDLES. ARROW NEEDLE COMPANY, Manchester, N. H.
Filed Nov. 6, 1947, Serial No. 540,241. Published Mar. 15, 1949. Class 23.

511,636. CARTRIDGE FILTER TYPE WATER-DEMINERALIZERS. ABRAHAM E. TOMKIN, doing business as A. E. Tomkin & Company, Washington, D. C.
Filed Nov. 6, 1947, Serial No. 540,342. Published Mar. 22, 1949. Class 31.

511,637. HOUSEHOLD ELECTRIC REFRIGERATORS; WATER COOLERS; ETC. OAKES & COMPANY, Chicago, Ill.
Filed Nov. 8, 1947, Serial No. 540,560. Published Mar. 22, 1949. Class 31.

511,638. TEA. SAFEWAY STORES, INCORPORATED, also doing business as Dwight Edwards Company, Oakland, Calif.
Filed Nov. 8, 1947, Serial No. 540,589. Published Mar. 8, 1949. Class 46.

511,639. SALT. MORTON SALT COMPANY, Chicago, Ill.
Filed Nov. 10, 1947, Serial No. 540,699. Published Mar. 8, 1949. Class 46.

511,640. POWER SHAFT ACCESSORIES—NAMELY, STEEL DROP HANGERS, STEEL POST HANGERS, STEEL BOX HANGER FRAMES, STEEL FRAMES, BEARING OPENINGS, ETC. STANDARD PRESSED STEEL CO., Jenkintown, Pa.
Filed Nov. 10, 1947, Serial No. 540,730. Published Mar. 15, 1949. Class 23.

511,641. SHOP EQUIPMENT — NAMELY, WORK BENCHES, WORK STANDS, BENCH DRAWERS, CABINETS, ETC. STANDARD PRESSED STEEL CO., Jenkintown, Pa.
Filed Nov. 10, 1947, Serial No. 540,731. Published Mar. 15, 1949. Class 23.

511,642. SHAFT COUPLINGS, SHAFT BEARINGS OF THE CLAMP BOX OR PILLOW BLOCK TYPE, ETC. STANDARD PRESSED STEEL CO., Jenkintown, Pa.
Filed Nov. 10, 1947, Serial No. 540,733. Published Mar. 15, 1949. Class 23.

511,643. GREASE GUNS OR GREASE DISPENSERS. NATIONAL SALES, INC., Wichita, Kans.
Filed Nov. 13, 1947, Serial No. 541,018. Published Mar. 15, 1949. Class 23.

511,644. PEDAL OR MECHANICALLY OPERATED PROPELLING AND STEERING MECHANISM FOR BOATS. EARL F. METCALFE, Morning View, Ky., assignor to Aquacycle Company, Inc., Covington, Ky., a corporation of Kentucky.
Filed Jan. 30, 1948, Serial No. 541,062. Published Mar. 22, 1949. Class 19.

511,645. BABY CARRIAGES. CARRY-CAB CORPORATION, New York, N. Y.
Filed Nov. 14, 1947, Serial No. 541,087. Published Feb. 8, 1949. Class 19.

511,646. ALCOHOLIC SOLUTION OF COAL TAR USED FOR THE TREATMENT OF ALOPECIA, DERMATITIS, ECZEMA, ETC. WRIGHT, LAYMAN & UMNEY LIMITED, London, England.
Filed Nov. 14, 1947, Serial No. 541,248. Published Mar. 22, 1949. Class 6.

511,647. BOX MAKING MACHINERY AND PARTS THEREOF. UNITED STATES AUTOMATIC BOX MACHINERY CO., INC., Boston, Mass.
Filed Nov. 15, 1947, Serial No. 541,356. Published Mar. 15, 1949. Class 23.

511,648. WEDDING RINGS, JEWELRY SETTINGS, AND FINDINGS, ETC. THE PRECIOUR METALS SPECIALTIES COMPANY, INC., Newark, N. J.
Filed Nov. 19, 1947, Serial No. 541,699. Published Mar. 22, 1949. Class 28.

511,649. WOODWORKING MACHINERY—NAMELY, AUTOMATIC SHAPERS, HIGH SPEED SHAPERS, HIGH SPEED BUCK SHAPERS, DETAIL SHAPERS, ETC. ONSRUD MACHINE WORKS, INC., Chicago, Ill.
Filed Nov. 20, 1947, Serial No. 541,882. Published Mar. 15, 1949. Class 23.

511,650. MEN'S, WOMEN'S, AND BOYS' FUR FELT HATS. MACLACHLAN HATS LIMITED, INC., South Norwalk, Conn.
Filed Nov. 24, 1947, Serial No. 542,147. Published Feb. 22, 1949. Class 39.

511,651. EQUIPMENT FOR AUTOMOTIVE TRUCKS AND BUSSES—NAMELY, BODIES, CABS, STAKES, COVERS, AND SIDE BOARDS, COMPONENT PARTS THEREOF, AND AXLES. AUTO TRUCK EQUIPMENT COMPANY, Pittsburgh, Pa.
Filed Nov. 28, 1947, Serial No. 542,505. Published Feb. 8, 1949. Class 19.

511,652. EQUIPMENT FOR AUTOMOTIVE TRUCKS AND BUSSES—NAMELY, BODIES, CABS, STAKES, COVERS, AND SIDE BOARDS, COMPONENT PARTS THEREOF AND AXLES. AUTO TRUCK EQUIPMENT COMPANY, Pittsburgh, Pa.
Filed Nov. 28, 1947, Serial No. 542,508. Published Feb. 8, 1949. Class 19.

511,653. COIN OPERATED VENDING MACHINES, ETC. THE NORTHWESTERN CORPORATION, Morris, Ill.
Filed Nov. 28, 1947, Serial No. 542,634. Published Mar. 15, 1949. Class 23.

511,654. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES—NAMELY, COLLAR HOLDERS, CUFF LINKS, DRESS SETS, ETC. SWANK, INC., Attleboro, Mass.
Filed Nov. 28, 1947, Serial No. 542,681. Published Mar. 22, 1949. Class 28.

511,655. FLY SWATTERS. U. S. MANUFACTURING CORPORATION, Decatur, Ill.
Filed Nov. 28, 1947, Serial No. 542,697. Published Mar. 22, 1949. Class 50.

511,656. FINGER RINGS. GRANAT BROS., INC., San Francisco, Calif.
Filed Dec. 2, 1947, Serial No. 542,917. Published Mar. 22, 1949. Class 28.

511,657. FINGER RINGS. GRANAT BROS., INC., San Francisco, Calif.
Filed Dec. 2, 1947, Serial No. 542,920. Published Mar. 22, 1949. Class 28.

511,658. WATCHES. EMIL LEICHTER, New York, N. Y.
Filed Dec. 2, 1947, Serial No. 542,956. Published Mar. 22, 1949. Class 27.

511,659. SILENT AND/OR SOUND MOTION PICTURE FILMS. UNITED WORLD FILMS, INC., New York, N. Y.
Filed Oct. 7, 1947, Serial No. 543,366. Published Mar. 15, 1949. Class 26.

511,660. PROTECTIVE, ORNAMENTAL METAL SIDE WALLS SURROUNDING THE HUBS OF VEHICULAR WHEELS. KROMWEEL MANUFACTURING CO., Brooklyn, N. Y.
Filed Dec. 12, 1947, Serial No. 544,171. Published Mar. 1, 1949. Class 19.

511,661. FILTERS—NAMELY, OF THE TYPE USED IN WINDOW OPENINGS FOR FILTERING INCOMING AIR. BADGAIRE, INC., Milwaukee, Wis.
Filed Dec. 13, 1947, Serial No. 544,246. Published Mar. 22, 1949. Class 31.

511,662. MOTOR CARS. FORD MOTOR COMPANY, Dearborn, Mich.
Filed Dec. 16, 1947, Serial No. 544,440. Published Mar. 8, 1949. Class 19.

511,663. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Dec. 17, 1947, Serial No. 544,539. Published Mar. 22, 1949. Class 27.

511,664. CLOCKS AND WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Dec. 17, 1947, Serial No. 544,541. Published Mar. 22, 1949. Class 27.

511,665. WATCHES AND WATCHCASES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Dec. 17, 1947, Serial No. 544,543. Published Mar. 22, 1949. Class 27.

511,666. BUTTER AND EGGS. NATIONAL TEA CO., Chicago, Ill.
Filed Dec. 18, 1947, Serial No. 544,754. Published Mar. 8, 1949. Class 46.

511,667. COFFEE. THE COOK COFFEE COMPANY, Cleveland, Ohio.
Filed Dec. 19, 1947, Serial No. 544,853. Published Mar. 8, 1949. Class 46.

511,668. FRESH CITRUS FRUITS. CRAFTON ORANGE GROWERS ASSOCIATION, Mentone, Calif.
Filed Dec. 20, 1947, Serial No. 544,980. Published Mar. 8, 1949. Class 46.

511,669. WICKS. AMERICAN STOVE COMPANY, St. Louis, Mo.
Filed Dec. 22, 1947, Serial No. 545,070. Published Mar. 1, 1949. Class 34.

511,670. ICE CREAM. THE LEICHTMAN ICE CREAM CO., Hazleton, Pa.
Filed Dec. 22, 1947, Serial No. 545,134. Published Mar. 8, 1949. Class 46.

511,671. POWER DRIVEN WOOD SAWING MACHINES FOR SAWMILL USE COMPRISING THOSE MORE SPECIFICALLY TERMED CIRCULAR SAWS AND BAND SAWS. W. B. MERRON CORP., Boston, Mass.
Filed Dec. 22, 1947, Serial No. 545,146. Published Mar. 15, 1949. Class 23.

511,672. SALTED NUTS. CHUNK-E-NUT PRODUCTS COMPANY, Philadelphia, Pa.
Filed Dec. 29, 1947, Serial No. 545,618. Published Mar. 8, 1949. Class 46.

511,673. MEDICINAL PREPARATIONS—NAMELY, INTERNAL REMEDIES FOR COLDS, HEADACHES AND DYSPEPSIA; ETC. EMMANUEL L. SPRAGIN, doing business as Spraglene Laboratories, Roxbury, Mass.
Filed Jan. 6, 1948, Serial No. 546,329. Published Mar. 22, 1949. Class 6.

511,674. ACETYLENE WELDING, CUTTING AND SOLDERING OUTFITS, ETC. DOCKSON CORPORATION, Detroit, Mich.
Filed Jan. 8, 1948, Serial No. 546,470. Published Mar. 8, 1949. Class 34.

511,675. ACETYLENE WELDING, CUTTING, AND SOLDERING OUTFITS AND PARTS THEREOF—NAMELY, TORCHES, TIPS, VALVES, REGULATORS, GUAGES, ADAPTORS AND LIGHTERS. DOCKSON CORPORATION, Detroit, Mich.
Filed Jan. 9, 1948, Serial No. 546,565. Published Mar. 8, 1949. Class 34.

511,676. METAL RESINATES. THE GLIDDEN COMPANY, Cleveland, Ohio.
Filed Jan. 10, 1948, Serial No. 546,696. Published Mar. 22, 1949. Class 1.

511,677. ORNAMENTAL TRIM FOR AUTOMOBILE WHEELS—NAMELY, WHEEL COVERS, ETC. LYON, INCORPORATED, Detroit, Mich.
Filed Jan. 10, 1948, Serial No. 546,715. Published Feb. 8, 1949. Class 19.

511,678. ELECTRICALLY POWERED BOILER FEED WATER AND CONDENSATE RETURN SYSTEMS AND INDUSTRIAL EXHAUST SYSTEMS AND EXHAUST DUCTS FOR CONVEYANCE OF GASES AND VAPORS. DETREX CORPORATION, Detroit, Mich.
Filed Jan. 14, 1948, Serial No. 546,972. Published Mar. 8, 1949. Class 34.

511,679. AUTOMOBILES. HUDSON MOTOR CAR COMPANY, Detroit, Mich.
Filed Jan. 15, 1948, Serial No. 547,123. Published Mar. 22, 1949. Class 19.

511,680. HEATING EQUIPMENT—NAMELY, FUEL STOKERS, FUEL STOKERS WITH AUTOMATIC AIR REGULATORS, OIL BURNERS, AND HUMIDIFIERS. THE STEEL PRODUCTS ENGINEERING COMPANY, Springfield, Ohio.
Filed Jan. 19, 1948, Serial No. 547,493. Published Mar. 1, 1949. Class 34.

511,681. WATCH CHAINS. HICKOK MANUFACTURING CO. INC., Rochester, N. Y.
Filed Jan. 20, 1948, Serial No. 547,545. Published Mar. 22, 1949. Class 28.

511,682. HOUSE TRAILERS. KIT MANUFACTURING COMPANY, Long Beach, Calif.
Filed Jan. 20, 1948, Serial No. 547,550. Published Mar. 22, 1949. Class 19.

511,683. HOUSE TRAILERS. KIT MANUFACTURING COMPANY, Long Beach, Calif.
Filed Jan. 20, 1948, Serial No. 547,560. Published Mar. 22, 1949. Class 19.

511,684. BATTERY CABLES. THE CRESCENT COMPANY, INC., Pawtucket, R. I.
Filed Jan. 22, 1948, Serial No. 547,707. Published Feb. 22, 1949. Class 21.

511,685. BATTERY CABLES. THE CRESCENT COMPANY, Pawtucket, R. I.
Filed Jan. 22, 1948, Serial No. 547,708. Published Feb. 22, 1949. Class 21.

511,686. WATCHES, WATCH MOVEMENTS, WATCH CASES, AND CLOCKS. KERCO JEWELLERY LIMITED, Montreal, Quebec, Canada.
Filed Jan. 22, 1948, Serial No. 547,735. Published Mar. 22, 1949. Class 27.

511,687. RADIATORS AND RADIATOR CORES FOR MOTOR VEHICLES. MCCORD CORPORATION, Detroit, Mich.
Filed Jan. 22, 1948, Serial No. 547,744. Published Mar. 22, 1949. Class 19.

511,688. AUTOMOBILES AND STRUCTURAL PARTS THEREOF. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed Jan. 27, 1948, Serial No. 548,062. Published Mar. 22, 1949. Class 19.

511,689. BUILDING BLOCKS AND SUPPORTING FORMS FOR CONCRETE. PERRY G. MEANS, Reno, Nev.
Filed Feb. 4, 1948, Serial No. 548,753. Published Mar. 1, 1949. Class 12.

511,690. BABY CARRIAGES. THAYER, INC., Gardner, Mass.
Filed Feb. 5, 1948, Serial No. 548,882. Published Mar. 22, 1949. Class 19.

511,691. WATTHOUR METERS, DEMAND METERS, COMBINED WATTHOUR AND DEMAND METERS, AND REGISTERS AND TRANSFORMERS FOR MEASURING INSTRUMENTS. DUNCAN ELECTRIC MANUFACTURING COMPANY, La Fayette, Ind.
Filed Feb. 10, 1948, Serial No. 549,238. Published Mar. 15, 1949. Class 26.

511,692. PHARMACEUTICAL PRODUCTS FOR INTERNAL USE ESPECIALLY FOR THE REDUCTION OF THE PROTHROMBIN LEVEL OF THE BLOOD. SPOJENÉ FARMACEUTICKÉ ZÁVODY, NÁRODNÍ PODNIK, Prague, Czechoslovakia.
Filed Feb. 13, 1948, Serial No. 549,676. Published Mar. 22, 1949. Class 6.

511,693. BUSES, VANS, DAIRY VEHICLE BODIES FOR AUTOMOTIVE TRUCKS USED IN DELIVERING DAIRY PRODUCTS, ETC. HACKNEY BROS. BODY CO., Wilson, N. C.
Filed Feb. 17, 1948, Serial No. 549,925. Published Mar. 22, 1949. Class 19.

511,694. FINGER RINGS. FREDERICK GOLDMAN, New York, N. Y.
Filed Feb. 18, 1948, Serial No. 550,089. Published Mar. 22, 1949. Class 28.

511,695. CHEMICAL PRODUCTS HAVING THE SCENT OF NATURAL CIVET-CAT AND USED IN PREPARING PERFUMES, PERFUMERY PRODUCTS, SOAPS, AND COSMETICS. FIRMENICH & CO., Geneva, Switzerland.
Filed Feb. 28, 1948, Serial No. 550,798. Published Mar. 22, 1949. Class 6.

511,696. GAS RANGES AND STOVES. THE TAPPAN STOVE COMPANY, Mansfield, Ohio.
Filed Feb. 28, 1948, Serial No. 550,847. Published Mar. 22, 1949. Class 34.

511,697. SKIN CLEANSER AND ASTRINGENT, SKIN CLEANSING CREAM, HAND CREAM. TURMAC SPECIALTIES COMPANY, Berkeley, Calif.
Filed Mar. 1, 1948, Serial No. 550,970. Published Mar. 22, 1949. Class 6.

511,698. HAND CREAM. TURMAC SPECIALTIES COMPANY, Berkeley, Calif.
Filed Mar. 1, 1948, Serial No. 550,971. Published Mar. 22, 1949. Class 6.

511,699. FUR JACKETS, CAPES, COATS, AND STOLES. MAX FURS, INC., New York, N. Y.
Filed Mar. 2, 1948, Serial No. 551,017. Published Mar. 1, 1949. Class 39.

511,700. PLASTIC BABY PANTS, AND PLASTIC BABY BIBS. KENNEDY CAR LINER & BAG CO., INC., Shelbyville, Ind.
Filed Mar. 3, 1948, Serial No. 551,108. Published Mar. 1, 1949. Class 39.

511,701. PREPARATION FOR USE AS A GERMICIDE, DISINFECTANT, AND HOUSEHOLD DEODORANT HAVING INCIDENTAL CLEANSING PROPERTIES. CARBOLITE CORPORATION, Maywood, Ill.
Filed Mar. 4, 1948, Serial No. 551,163. Published Mar. 22, 1949. Class 6.

511,702. COMPRESSED GASES—NAMELY, OXYGEN, NITROGEN, HYDROGEN, HELIUM, CARBON DIOXIDE, NITROUS OXIDE, ETC. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill.
Filed Mar. 5, 1948, Serial No. 551,301. Published Mar. 22, 1949. Class 6.

511,703. SHOCK ABSORBER MOUNTS AND COIL SPRING SPACERS FOR AUTOMOTIVE VEHICLES. BRENNER B. FOX, doing business as FOX Alignment Service, San Antonio, Tex.
Filed Mar. 12, 1948, Serial No. 551,789. Published Mar. 22, 1949. Class 19.

511,704. MEDICINAL PREPARATIONS—NAMELY, ORALLY ADMINISTERED VITAMIN PREPARATIONS USED FOR NUTRITIONAL SUPPLEMENT MAINTENANCE AND/OR THERAPY; DIETARY SUPPLEMENTS, MINERAL, PROTEIN AND VITAMIN CONSTITUENTS; AMINO ACID PREPARATIONS, ETC. MARVIN R. THOMPSON, INC., Stamford, Conn.
Filed Dec. 5, 1947, Serial No. 554,064. Published Mar. 15, 1949. Class 6.

511,705. STORAGE DRAWERS ADAPTED FOR USE IN REFRIGERATORS. THE COOLERATOR COMPANY, Duluth, Minn.
Filed Apr. 22, 1948, Serial No. 555,343. Published Mar. 22, 1949. Class 31.

511,706. ACNE CREAM. HARVEN PRODUCTS, INC., Boston, Mass.
Filed May 8, 1948, Serial No. 556,578. Published Mar. 22, 1949. Class 6.

511,707. MEDICINAL PREPARATION COMPRISING A LIQUID SOLUTION FOR ATHLETE'S FEET AND OTHER INFECTIONS. WILLIAM R. WHITEHEAD, Philadelphia, Pa.
Filed May 25, 1948, Serial No. 557,812. Published Mar. 22, 1949. Class 6.

511,708. CHLORINATED SOLUTION USED IN DAIRIES FOR DISINFECTING. THE CUDAHY PACKING COMPANY, Chicago, Ill.
Filed June 3, 1948, Serial No. 558,354. Published Mar. 22, 1949. Class 6.

511,709. REMEDY TO ALLEVIATE THE PAINS OF CHILDBIRTH IN THE FORM OF AMPULES FOR INJECTION PURPOSES. SOCIETE A RESPONSABILITE LIMITEE COMAR & CIE, PROPRIETAIRE DES LABORATOIRES CLIN, Paris, France.
Filed June 16, 1948, Serial No. 559,355. Published Mar. 22, 1949. Class 6.

511,710. PULVERIZED WOOD PULP. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y.
Filed Feb. 21, 1948, Serial No. 559,405. Published Mar. 22, 1949. Class 1.

511,711. MOTOR TRUCKS. MACK MANUFACTURING CORPORATION, New York, N. Y.
Filed Sept. 11, 1947, Serial No. 561,363. Published Mar. 22, 1949. Class 19.

511,712. FUNGICIDES. FOOD MACHINERY CORPORATION, San Jose, Calif., now by change of name Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware.
Filed July 19, 1948, Serial No. 561,664. Published Mar. 22, 1949. Class 6.

511,713. HYDROCARBONS, ALCOHOLS, KETONES, PHENOLS, ETC. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y.
Filed July 20, 1948, Serial No. 561,708. Published Mar. 22, 1949. Class 6.

511,714. PERFUMES AND TOILET WATER. JEAN PATOU, INC., New York, N. Y.
Filed Aug. 3, 1948, Serial No. 562,709. Published Mar. 22, 1949. Class 6.

511,715. LADIES' MINK COATS. RITTER BROS. INC., New York, N. Y.
Filed Aug. 7, 1948, Serial No. 563,009. Published Feb. 22, 1949. Class 39.

511,716. PREPARATION TO BE USED IN THE TREATMENT OF HYPERTENSION. E. FOUGERA & CO., INC., New York, N. Y.
Filed Aug. 14, 1948, Serial No. 563,405. Published Mar. 22, 1949. Class 6.

511,717. EXHAUST VENTILATING FANS. THE EAGLE-PICHER COMPANY, Cincinnati, Ohio.
Filed Nov. 2, 1948, Serial No. 568,047. Published Mar. 22, 1949. Class 34.

511,718. OIL FILTERS, OIL FILTER CARTRIDGES, OIL BATH AIR CLEANERS AND FILTER TYPE AIR CLEANERS, FOR INTERNAL COMBUSTION ENGINES. FORD MOTOR COMPANY, Dearborn, Mich.
Filed Nov. 20, 1948, Serial No. 569,143. Published Mar. 22, 1949. Class 31.

Collective Marks

511,719. GAS HEATING EQUIPMENT OR APPARATUS MANUFACTURED, ETC. INSTITUTE OF GAS HEATING INDUSTRIES, Los Angeles, Calif.
Filed JAN. 26, 1948, Serial No. 547,992. Published Nov. 30, 1948. Class 34.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

511,720. (CLASS 39. CLOTHING.) KANSAS CITY TEXTILE PRODUCTS CO., Kansas City, Mo. Filed Oct. 21, 1948, Serial No. 496,388.



The term "Myra Kay" is fanciful. The pictorial illustration of the girl shown in the drawing is fanciful.
FOR WOMEN'S AND CHILDREN'S DRESSES.
Claims use since Nov. 20, 1945.

511,721. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SWALLOW AIRPLANE COMPANY, INC., Wichita, Kans. Filed Aug. 6, 1947, Serial No. 498,038.

The Handycapper

FOR BOTTLE CAP REMOVING AND REPLACING TOOL MADE OF BASE METAL.
Claims use since Feb. 8, 1946.

511,722. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOWARD W. FAY, doing business as H. W. Fay Laboratories, Palmer, Mass. Filed Oct. 29, 1948, Serial No. 498,409.

Fay's

FOR RAT AND MICE POISON.
Claims use since Aug. 14, 1945.

511,723. (CLASS 39. CLOTHING.) J. A. & M. B. KELLY CO., St. Louis, Mo. Original filed Oct. 28, 1946, under the act of 1905; amended to application under act of 1946, May 1, 1948, Serial No. 511,620.

Jo-burt Jrs.

FOR WOMEN'S AND MISSES' DRESSES.
Claims use since Apr. 15, 1945.

511,724. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARK & TILFORD, New York, N. Y. Original filed Feb. 27, 1947, under the act of 1905; amended to application under act of 1946, Apr. 12, 1949, Serial No. 518,250.

Tintex
TINTS AS YOU RINSE

Applicant claims ownership of Registration No. 384,445.
FOR DYE.
Claims use since Mar. 15, 1929.

511,725. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH W. SIMONEAU, Nashua, N. H. Filed Oct. 11, 1948, Serial No. 521,691.

BabySweet

FOR PERFUME.
Claims use since Apr. 2, 1947.

511,726. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) TEATELINO BROTHERS, INCORPORATED, Madisonville, Ky. Filed Aug. 13, 1947, Serial No. 531,258.

POND RIVER COAL

FOR COAL.
Claims use since Aug. 3, 1943.

511,727. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SEIDLITZ PAINT & VARNISH CO., Kansas City, Mo. Original filed Sept. 29, 1947, application filed complete July 16, 1948, Serial No. 536,157.

OILTONE

FOR FLAT WALL PAINT IN LIQUID FORM.
Claims use since Apr. 1, 1919.

511,728. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) DONAT HENRY HAMEL, Redlands, Calif. Filed Nov. 22, 1948, Serial No. 539,156.

SUPER-X HAMEL'S

FOR CLEANING SOLUTION FOR USE IN CLEANING WATCHES AND JEWELRY.
Claims use since Oct. 6, 1947.

511,729. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KLINO-TITE PAINT PRODUCTS CO., Chicago, Ill. Original filed Oct. 31, 1947; application filed complete Apr. 2, 1949, Serial No. 539,717.

Paint Klino-Tite Products

Applicant claims ownership of Registration No. 238,363.
FOR PAINT IN LIQUID AND PASTE FORM.
Claims use since Dec. 1, 1915.

511,730. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B & G FOOD PRODUCTS, INC., Jacksonville, Fla. Filed Jan. 26, 1949, Serial No. 539,930.

BRYSON'S

FOR CANNED BARBECUED LIMA BEANS.
Claims use since Sept. 25, 1947.

511,731. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL C. BSAOO, doing business as Burbank Candlecrafters, Burbank, Calif. Filed May 3, 1949, Serial No. 544,250.



The stippling shown in the drawing is for shading purposes only.
FOR CANDY.
Claims use since Oct. 30, 1947.

511,732. (CLASS 39. CLOTHING.) RICHEY JUNIORS, INC., Kansas City, Mo. Filed Feb. 24, 1949, Serial No 545,535.

Richey Jr.

FOR WOMEN'S DRESSES.
Claims use since Dec. 9, 1947.

511,733. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BE VIER CONSULTANTS, New York, N. Y. Filed Dec. 1, 1948, Serial No. 546,819.

SWING-UPS

FOR SUN GLASSES.
Claims use since Mar. 21, 1947.

511,734. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY K. WAMPOLE AND COMPANY, INCORPORATED, Philadelphia, Pa. Original filed Feb. 17, 1948; application filed complete Dec 9, 1948, Serial No. 549,996.



The name "Henry K. Wampole & Co." is a facsimile of the firm signature. The drawing is lined to indicate the colors maroon and burgundy. Applicant claims ownership of Registrations Nos. 39,521 and 262,058.
FOR TONICS.
Claims use since Oct. 6, 1934.

511,735. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HENRY POLLAK, INC., New York, N. Y. Original filed May 14, 1948; application filed complete Feb. 21, 1949, Serial No. 557,062.

FILIPINA

Applicant claims ownership of Registration No. 423,120.
FOR HAT BRAIDS AND MILLINERY BRAIDS, ALL EMANATING FROM THE PHILIPPINE ISLANDS.
Claims use since Jan. 21, 1945.

TRADE-MARK REGISTRATIONS RENEWED

32,911. DIAMOND-SHAPED DESIGN. Registered May 16, 1899. Alfred B. Jenkins, New York, N. Y., Boston, Mass., and Chicago, Ill. Re-renewed May 16, 1949, to Jenkins Bros., New York, N. Y., and Bridgeport, Conn., a corporation of New Jersey. VALVES AND STEAM-PACKING. Class 13.

73,421. QUEEN QUALITY. Registered Apr. 20, 1909. Bissell Carpet Sweeper Co. Re-renewed Apr. 20, 1949, to Bissell Carpet Sweeper Company, Grand Rapids, Mich., a corporation of Michigan. CARPET SWEEPERS. Class 23.

75,097. TRIUMPH. Registered Aug. 31, 1909. The Safety Cylinder Valve Company. Re-renewed Aug. 31, 1949, to Charles E. Schreidt, Mansfield, Ohio. VALVES. Class 13.

75,372. REPRESENTATION OF TWO SHIELDS, ONE WITH A GRIFFIN, THE OTHER A LIEBIG TUBE. Registered Sept. 28, 1909. F. Hoffmann-La Roche & Co., Basel, Switzerland. Re-renewed Sept. 28, 1949, to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey. OPIUM ALKALOIDS AND THEIR SALTS; CAFFEIN, THEOBROMIN, AND THEIR SALTS; ETC. Class 6.

238,701. BRADDS. Registered Feb. 14, 1928. Bradley-Goodrich Company, Inc., Haverhill, Mass. Renewed Feb. 14, 1948, to Bradley-Goodrich, Incorporated, Hingham, Mass., a corporation of Massachusetts. SLIPPERS AND SHOES MADE WHOLLY OR IN PART OF LEATHER FOR MEN, WOMEN, OR CHILDREN. Class 39.

244,543. ELIZABETH HATS. Registered July 24, 1928. Phil Dressner & Co., Inc. Renewed July 24, 1948, to Elizabeth Hat Company, New York, N. Y., a firm. LADIES' AND CHILDREN'S HATS. Class 39.

248,931. "GRAL" AND DESIGN. Registered Nov. 6, 1928. Paul Peter Mülhens, doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Nov. 6, 1948. SOAPS INCLUDING TOILET SOAPS, SHAVING STICKS. Class 4.

249,739. "FERD. MÜLHENS" ETC. AND REPRESENTATION OF CATHEDRAL IN RECTANGULAR DESIGN LINED FOR GREENISH BLUE WITH GOLD AND BLACK COLORS. Registered Nov. 20, 1928. Paul Peter Mülhens, doing business as Die Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Nov. 20, 1948. SOAPS, INCLUDING SHAVING STICKS. Class 4.

251,217. NUNAMEL. Registered Jan. 1, 1929. The Adams Bag Company, Chagrin Falls, Ohio. Renewed Jan. 1, 1949, to Chase Bag Company, New York, N. Y., a corporation of Delaware. POLISHED PAPER SACKS AND BAGS EMPLOYED TO CONTAIN FLOUR AND ANALOGOUS MATERIALS. Class 2.

251,269. MOONSHYNE. Registered Jan. 1, 1929. Louis Marks, North Rose, N. Y. Renewed Jan. 1, 1949, to Louis Marks, Wolcott, N. Y. FRESH CELERY, FRESH CARROTS, AND FRESH ONIONS. Class 46.

251,442. "LAVENDER WATER" ETC., ENCLOSED BY CIRCULAR DESIGN LINED FOR BLUE AND GOLD COLORS. Registered Jan. 8, 1929. Paul Peter Mülhens, doing business as Die Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Jan. 8, 1949. LAVENDER WATER. Class 6.

251,553. ARISTO. Registered Jan. 8, 1929. Crown Chocolate Co., McKeesport, Pa., a corporation of Pennsylvania. Renewed Jan. 8, 1949. CANDY. Class 46.

252,052. LILIPACK. Registered Jan. 22, 1929. The Adams Bag Company, Chagrin Falls, Ohio. Renewed Jan. 22, 1949, to Chase Bag Company, New York, N. Y., a corporation of Delaware. PAPER SHIPPING SACKS. Class 2.

253,993. STYLOLACTIN. Registered Mar. 12, 1929. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him Mar. 12, 1949. MEDICINAL PREPARATION FOR THE TREATMENT OF INFLAMMATION OF THE VAGINA, URETHRA—FOR INSTANCE, LEUCORRHEA AND GONORRHEA. Class 6.

254,253. EVINRUDE. Registered Mar. 12, 1929. Evinrude Motor Company, Milwaukee, Wis. Renewed Mar. 12, 1949 (Supplemental Register), to Outboard, Marine and Manufacturing Company, Waukegan, Ill., a corporation of Delaware. MOTORS FOR ROWBOATS, CANOES, AND THE LIKE; OIL ENGINES, CENTRIFUGAL AND HIGH PRESSURE RECIPROCATING PUMPS, AND PARTS OF THE FOREGOING. Class 23.

254,422. SWANFELT MATTRESS. Registered Mar. 26, 1929. Shreveport Mattress Company. Renewed Mar. 26, 1949, to Trickett's, Inc., Shreveport, La., a corporation of Louisiana. MATTRESSES, PILLOWS. Class 32.

254,799. FLUXINE. Registered Apr. 2, 1929. Ottmar M. Krembs, doing business as Krembs & Company, Chicago, Ill. Renewed Apr. 2, 1949. BRAZING FLUX. Class 6.

254,849. ACQUA LINA. Registered Apr. 2, 1929. Vincent Quartararo, doing business as Acqua Lina Mfg. Co., Brooklyn, N. Y. Renewed Apr. 2, 1949. WASHING FLUID FOR USE AS A BLEACH AND DISINFECTANT. Class 6.

254,889. NAIVETTE. Registered Apr. 2, 1929. Samuel Bonat & Bro. Renewed Apr. 2, 1949, to Bonat & Bonat, Inc., New York, N. Y., a corporation of New York. PREPARATION FOR USE IN PERMANENT HAIR WAVING. Class 6.

254,961. "BRADLEY" ETC. AND DESIGN. Registered Apr. 2, 1929. Bradley-Goodrich Company, Inc., Haverhill, Mass. Renewed Apr. 2, 1949, to Bradley-Goodrich, Incorporated, Hingham, Mass., a corporation of Massachusetts. LEATHER BOOTS AND LEATHER SHOES AND ALSO FABRIC SHOES AND FABRIC SLIPPERS. Class 39.

254,975. RED CAP. Registered Apr. 2, 1929. United States Radiator Corporation, Detroit, Mich., a corporation of New York. Renewed Apr. 2, 1949. HOUSE-HEATING BOILERS, BURNING SOLID, LIQUID, OR GASEOUS FUEL. Class 34.

254,993. KREMOLINE. Registered Apr. 2, 1929. Sherwood Petroleum Company, Inc., Brooklyn, N. Y. Renewed Apr. 2, 1949, to Sherwood Refining Company, Inc., Englewood, N. J., a corporation of New Jersey. GREASE FOR LUBRICATING MACHINERY. Class 15.

254,994. "BIANCOL" ENCLOSED BY DIAMOND-SHAPED DESIGN. Registered Apr. 2, 1929. Sherwood Petroleum Company, Inc., Brooklyn, N. Y. Renewed Apr. 2, 1949, to Sherwood Refining Company, Inc., Englewood, N. J., a corporation of New Jersey. OIL FOR LUBRICATING MACHINERY. Class 15.

255,043. REPRESENTATION OF STAR. Registered Apr. 9, 1929. The John B. Canepa Company, Chicago, Ill., a corporation of Illinois. Renewed Apr. 9, 1949. MACARONI, SPAGHETTI, VERMICELLI, NOODLES, AND TABLE SAUCE THEREFOR. Class 46.

255,046. "QUAKER" AND REPRESENTATION OF KEYSTONE SYMBOL AND QUAKER. Registered Apr. 9, 1929. Pennsylvania Sugar Company, Philadelphia, Pa. Renewed Apr. 9, 1949, to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland. PURE ETHYL ALCOHOL. Class 49.

255,083. "ROYAL CROWN" AND REPRESENTATION OF CROWN WITHIN OVAL. Registered Apr. 16, 1929. Otto Roth, Inc., Newark, N. J. Renewed Apr. 16, 1949, to Colton Razor Blade Company, Boston, Mass., a corporation of Massachusetts. RAZOR BLADES. Class 23.

255,100. CRYPTORIUM. Registered Apr. 16, 1929. The Galion Metallic Vault Company. Renewed Apr. 16, 1949, to Hercules Steel Products Corporation, Galion, Ohio, a corporation of Delaware. GRAVE VAULTS. Class 2.

255,251. FULGASATIN. Registered Apr. 16, 1929. Bianchini, Férier, Lyon, France. Renewed Apr. 16, 1949, to Bianchini, Ferier, Inc., New York, N. Y., a corporation of New York. PIECE GOODS OF SILK AND ARTIFICIAL SILK. Class 42.

255,400. ACE HI. Registered Apr. 23, 1929. California Milling Corporation. Renewed Apr. 23, 1949, to California Milling Corporation, Los Angeles, Calif., a corporation of Delaware. WHEAT FLOUR, WHOLE-WHEAT FLOUR, GRAHAM FLOUR, CORN MEAL, AND POULTRY FEEDS. Class 46.

255,541. GLYDE. Registered Apr. 23, 1929. Edward L. Cowen, Inc., New York, N. Y. Renewed Apr. 23, 1949, to Colton Razor Blade Company, Boston, Mass., a corporation of Massachusetts. RAZOR BLADES, RAZORS, SHEARS, POCKET AND STEEL TABLE KNIVES, LETTER OPENERS. Class 23.

255,562. "MILLERS FALLS TOOLS" ETC. AND LABEL DESIGN. Registered Apr. 23, 1929. Millers Falls Company, Millers Falls, Mass. Renewed Apr. 23, 1949, to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts. ELECTRIC PORTABLE DRILLS, ELECTRIC SCREW DRIVERS, ELECTRIC PORTABLE GRINDERS, ETC. Class 21.

255,814. "KENWOOD WOOL PRODUCTS" AND REPRESENTATION OF RAM IN DESIGN. Registered Apr. 30, 1929. F. C. Huyck & Sons, Rensselaer and Albany, N. Y. Renewed Apr. 30, 1949, to F. C. Huyck & Sons, Rensselaer, N. Y., a corporation of New York. BED BLANKETS, SLUMBER THROWS, AFGHANS, BABY BLANKETS, BATH MATS, STEAMER RUGS, FLOOR RUGS, ETC. Class 42.

256,025. "HOMERIC" AND PORTRAIT DESIGN. Registered May 7, 1929. Facho, Limitada, Portimao, Portugal, a Portuguese corporation. Renewed May 7, 1949. CANNED FISH. Class 46.

256,329. HIGH SPEED. Registered May 14, 1929. The Hickok Producing Co., assignor to The Hickok Oil Corporation. Renewed May 14, 1949, to Hickok Oil Corporation, Toledo, Ohio, a corporation of Ohio. GASOLINE. Class 15.

256,433. "KENWOOD WOOL PRODUCTS" AND PICTORIAL REPRESENTATION OF MOUNTAIN RAM IN DESIGN. Registered May 14, 1929. F. C. Huyck & Sons, Rensselaer and Albany, N. Y. Renewed May 14, 1949, to F. C. Huyck & Sons, Rensselaer, N. Y., a corporation of New York. BATH ROBES, SLEEPING BAGS; CHILDREN'S COATS, JACKETS, CAPS; MEN'S, LADIES', AND CHILDREN'S HATS; ETC. Class 39.

256,692. "GORDON'S CAKES" ENCLOSED BY A RECTANGULAR DESIGN LINED FOR MEDIUM SHADE OF RED, AND GREEN COLORS. Registered May 21, 1929. Gordon Baking Company, Detroit, Mich., a corporation of Michigan. Renewed May 21, 1949. CAKES. Class 46.

256,758. PURE BRED. Registered May 21, 1929. Pillsbury Flour Mills Company. Renewed May 21, 1949, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

256,760. EVENLOAF. Registered May 21, 1929. Pillsbury Flour Mills Company. Renewed May 21, 1949, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

256,872. "PENNSYLVANIA-DIXIE CEMENT CORPORATION" AND DESIGN. Registered May 28, 1929. Pennsylvania-Dixie Cement Corporation, Nazareth, Pa., a corporation of Delaware. Renewed May 28, 1949. PORTLAND CEMENT. Class 12.

257,016. AFTERGLOW. Registered May 28, 1929. The Armand Company, Des Moines, Iowa, a corporation of Iowa. Renewed May 28, 1949. ROUGE AND LIP STICK. Class 6.

257,049. KENWOOD. Registered May 28, 1929. F. C. Huyck & Sons, Rensselaer and Albany, N. Y. Renewed May 28, 1949, to F. C. Huyck & Sons, Rensselaer, N. Y., a corporation of New York. BED BLANKETS, SLUMBER THROWS, AFGHANS, BABY BLANKETS, BATH MATS, STEAMER RUGS, ETC. Class 42.

257,107. GLYLENE. Registered May 28, 1929. The Thompson Specialties, Inc., Springfield, Mass. Renewed May 28, 1949, to Thompson Chemical Company, Pawtucket, R. I., a copartnership. ANTIFREEZE MIXTURES FOR MOTOR-CAR RADIATORS. Class 6.

257,166. GLYCO-LENE. Registered May 28, 1929. The Thompson Specialties, Inc., Springfield, Mass. Renewed May 28, 1949, to Thompson Chemical Company, Pawtucket, R. I., a copartnership. ANTIFREEZE MIXTURE FOR USE IN MOTOR VEHICLES. Class 6.

257,167. GLY-O-LENE. Registered May 28, 1929. The Thompson Specialties, Inc., Springfield, Mass. Renewed May 28, 1949, to Thompson Chemical Company, Pawtucket, R. I., a copartnership. ANTIFREEZE MIXTURE FOR USE IN MOTOR VEHICLES. Class 6.

257,198. "INTERNATIONAL PAPER COMPANY" AND DESIGN. Registered June 4, 1929. International Paper Company. Renewed June 4, 1949, to International Paper Company, New York, N. Y., a corporation of New York. NEWSPRINT PAPER, BOOK PAPER, BOND PAPER, ENVELOPE PAPER, WAXING PAPER, LEDGER PAPER, WRITING PAPER. Class 37.

257,829. "SUNNY BOY" AND REPRESENTATION OF BOY, DOG, AND CAR WITH CIRCULAR BACKGROUND DESIGN. Registered June 18, 1929. The Larabee Flour Mills Company, doing business as The Interior Flour Mills Company, Kansas City, Mo. Renewed June 18, 1949, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

258,094. EQUITY. Registered June 25, 1929. Actors' Equity Association, New York, N. Y., Los Angeles, Calif., Kansas City, Mo., Chicago, Ill., and San Francisco, Calif. Renewed June 25, 1949, to Actors' Equity Association, New York, N. Y., San Francisco and Hollywood, Calif., and Chicago, Ill., an unincorporated voluntary association organized under the laws of New York. PERIODICAL. Class 38.

258,281. "CREAM LOAF FLOUR" WITH REPRESENTATION OF WORLD MAP ENCLOSED BY CIRCULAR DESIGN. Registered July 2, 1929. The Larabee Flour Mills Company, Kansas City, Mo. Renewed July 2, 1949, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

258,282. "TONICO ORIENTAL" ETC. AND DESIGN.

258,282. "LARABEE'S BEST FLOUR" WITH REPRESENTATION OF WORLD MAP ENCLOSED BY CIRCULAR OUTLINE. Registered July 2, 1929. The Larabee Flour Mills Company, Kansas City, Mo. Renewed July 2, 1949, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

258,370. DICTATOR. Registered July 2, 1929. The Holtite Manufacturing Company, Baltimore, Md., a corporation of Maryland. Renewed July 2, 1949. RUBBER HEELS AND SOLES FOR SHOES. Class 39.

258,514. FILMO. Registered July 9, 1929. Harrington & Waring. Renewed July 9, 1949, to Hollywood Hose, Inc., New York, N. Y., a corporation of New York. SILK UNDERWEAR, KNITTED OR TEXTILE FABRICS AND/OR COMBINATIONS THEREOF, AND HOSIERY FOR MEN, WOMEN, OR CHILDREN. Class 39.

258,595. PEPER. Registered July 9, 1929. Christian Peper Tobacco Company, St. Louis, Mo., a corporation of Delaware. Renewed July 9, 1949. TOBACCO PRODUCTS, PARTICULARLY NATURAL - LEAF PLUG. Class 17.

259,138. BRAIDX. Registered July 23, 1929. General Electric Company, Schenectady, N. Y., a corporation of New York. Renewed July 23, 1949. ELECTRICAL CONDUCTORS. Class 21.

259,185. "STA-TITE" ETC. AND REPRESENTATION OF SCYTHE. Registered July 23, 1929. Sta-Tite Snath Co., Shelbyville, Ind., a corporation of Indiana. Renewed July 23, 1949. SCYTHE SNATHS. Class 23.

259,466. "LASSO" AND REPRESENTATION OF LARIAT. Registered July 30, 1929. William G. Roe. Renewed July 30, 1949, to William G. Roe & Sons, Winter Haven, Fla., a partnership. FRESH CITRUS FRUITS. Class 46.

259,520. BELCO. Registered July 30, 1929. Belknap Hardware & Manufacturing Company, Louisville, Ky., a corporation of Kentucky. Renewed July 30, 1949. WIRE FIELD FENCING. Class 13.

259,754. "PENN-DRAKE" AND LABEL DESIGN. Registered Aug. 6, 1929. American Oil Works Co., Titusville, Pa. Renewed Aug. 6, 1949, to Pennsylvania Refining Company, Butler, Pa., a corporation of Pennsylvania. GASOLINE, KEROSENE, AND FOR LUBRICATING PURPOSES: OILS, GREASES, AND PETROLATUM. Class 15.

259,924. "HIGH SOCIETY" AND LABEL DESIGN. Registered Aug. 13, 1929. Commander Milling Company. Renewed Aug. 13, 1949, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

259,925. "HIGH KICKER" AND REPRESENTATION OF FOOTBALL PLAYER. Registered Aug. 13, 1929. Commander Milling Company. Renewed Aug. 13, 1949, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

259,980. VINYLITE. Registered Aug. 13, 1929. Carbide and Carbon Chemicals Corporation, New York, N. Y., a corporation of New York. Renewed Aug. 13, 1949. ARTIFICIAL RESINS IN POWDER FORM OR IN THE FORM OF PLATES OR SHEETS AND MOLDING MIXTURES CONTAINING SUCH RESINS. Class 1.

260,037. WYTASE. Registered Aug. 13, 1929. J. R. Short Milling Company, Chicago, Ill., a corporation of Illinois. Renewed Aug. 13, 1949. PREPARATION USED AS AN INGREDIENT OF BREAD OR OTHER DOUGH PRODUCTS FOR THE PURPOSE OF WHITENING THE DOUGH. Class 46.

260,109. PYXOLA. Registered Aug. 13, 1929. Harry P. Chapman, doing business as Chapman Drug Co. Renewed Aug. 13, 1949, to Chapman & Chapman, Yazoo City, Miss., a partnership. GERMICIDE AND ANTISEPTIC SOLUTION FOR THE SKIN AND FOR TREATING CUTS AND WOUNDS. Class 6.

260,139. "LUCAS BLUE & GOLD BRAND" AND LABEL DESIGN. Registered Aug. 20, 1929. Lucas Ranching Company, Cucamonga, Calif., a corporation of California. Renewed Aug. 20, 1949. FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, FRESH GRAPES. Class 46.

260,215. LUZIANNE BRAND. Registered Aug. 20, 1929. Wm. B. Reily & Company, Inc., New Orleans, La., a corporation of Louisiana. Renewed Aug. 20, 1949. COFFEE, COFFEE AND CHICORY COMPOUND, TEA. Class 46.

260,241. LA CHOY. Registered Aug. 20, 1929. La Choy Food Products, Inc., Detroit, Mich. Renewed Aug. 20, 1949, to Beatrice Foods Co., Chicago, Ill., a corporation of Delaware. CANNED FOOD PRODUCT, THE PRINCIPAL INGREDIENTS OF WHICH ARE WATER CHESTNUTS, BAMBOO SHOOTS, AND VEGETABLE SPROUTS; ETC. Class 46.

260,551. NORTON. Registered Aug. 27, 1929. The Duff-Norton Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Aug. 27, 1949. LIFTING JACKS OF ALL DESCRIPTIONS AND ATTACHMENTS FOR JACKS. Class 23.

260,743. HIGH TOP. Registered Aug. 27, 1929. The Larabee Flour Mills Company, Kansas City, Mo. Renewed Aug. 27, 1949, to Commander-Larabee Milling Company, Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

260,929. "GREAT AMERICAN" AND REPRESENTATION OF INDIAN HUNTER. Registered Sept. 3, 1929. The Oskamp Nolting Co., Cincinnati, Ohio, a corporation of Ohio. Renewed Sept. 3, 1949. ANNUAL PUBLICATION DEVOTED TO JEWELRY. Class 38.

260,944. BANCO. Registered Sept. 3, 1929. Bankers Printing Company. Renewed Sept. 3, 1949, to Banco Corporation, Ltd., San Francisco, Calif., a corporation of California. BLANK FORMS. Class 37.

261,096. BELTX. Registered Sept. 3, 1929. Beltx Corporation, St. Louis, Mo., a corporation of Missouri. Renewed Sept. 3, 1949. SANITARY BELTS AND PARTS THEREOF. Class 44.

261,123. O H S O. Registered Sept. 3, 1929. The Ohio Hydrate & Supply Co., Woodville, Ohio, a corporation of Ohio. Renewed Sept. 3, 1949. PULVERIZED LIMESTONE. Class 10.

261,208. SAMMY. Registered Sept. 10, 1929. Andrew Baron, Limited, Manchester, England, a United Kingdom corporation. Renewed Sept. 10, 1949. ARTICLES OF CLOTHING—NAMELY, COATS, CAPES, HATS, AND SUITS FOR MEN, WOMEN, AND CHILDREN. Class 39.

261,282. ADOVERN. Registered Sept. 17, 1929. The Hoffmann-La Roche Chemical Works, New York, N. Y., assignor to Hoffmann-La Roche Inc. Renewed Sept. 17, 1949, to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey. CARDIOTONIC. Class 6.

261,283. ARSYLEN. Registered Sept. 17, 1929. The Hoffmann-La Roche Chemical Works, New York, N. Y., assignor to Hoffmann-La Roche Inc. Renewed Sept. 17, 1949, to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey. ORGANIC ARSENIC COMPOUND FOR ARSENIC MEDICATION. Class 6.

261,313. GREEN THREAD BUFFS. Registered Sept. 17, 1929. E. Reed Burns Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York. Renewed Sept. 17, 1949. BUFF WHEELS. Class 4.

261,359. WEATHERMAKER. Registered Sept. 17, 1929. Carrier-Lyle Corporation, New York, N. Y. Renewed Sept. 17, 1949, to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware. GAS, OIL, OR COAL, HOT-AIR FURNACES FOR WARMING HOUSES, WHICH FURNACES OR HEATERS ARE EQUIPPED WITH INSTRUMENTALITIES FOR CONDITIONING, ETC. Class 34.

261,461. "FUDGETTES 3-4-5" AND DESIGN. Registered Sept. 17, 1929. H. C. Brill Company, Inc., Newark, N. J., a corporation of New Jersey. Renewed Sept. 17, 1949. CAKE. Class 46.

261,568. "VALSPAR" ETC. AND LABEL DESIGN LINED FOR COLORS BROWN, YELLOW, RED, GREEN, AND BLUE. Registered Sept. 17, 1929. Valentine & Company. Renewed Sept. 17, 1949, to Valentine & Company, Inc., New York, N. Y., a corporation of Delaware. READY-MIXED PAINTS. Class 16.

261,569. "VALSPAR" ETC. AND LABEL DESIGN LINED FOR COLORS BROWN, GRAY, RED, BLUE, AND PINK. Registered Sept. 17, 1929. Valentine & Company. Renewed Sept. 17, 1949, to Valentine & Company, Inc., New York, N. Y., a corporation of Delaware. READY-MIXED PAINTS. Class 16.

261,570. "VALSPAR" ETC. AND LABEL DESIGN LINED FOR COLORS BLUE, GRAY, AND RED. Registered Sept. 17, 1929. Valentine & Company. Renewed Sept. 17, 1949, to Valentine & Company, Inc., New York, N. Y., a corporation of Delaware. READY-MIXED PAINTS. Class 16.

261,586. SEDORMID. Registered Sept. 17, 1929. The Hoffmann-La Roche Chemical Works, New York, N. Y., assignor to Hoffmann-La Roche Inc. Renewed Sept. 17, 1949, to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey. SEDATIVE AND HYPNOTIC. Class 6.

261,617. "TONICO ORIENTAL" ETC. AND DESIGN. Registered Sept. 17, 1929. Lanman & Kemp, Inc. Renewed Sept. 17, 1949, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y., a corporation of New York. LIQUID TONIC FOR PRESERVING AND BEAUTIFYING THE HAIR. Class 6.

261,824. BAGPAK. Registered Sept. 17, 1929. Capem Machinery Corporation, Buffalo, N. Y. Renewed Sept. 17, 1949, to International Paper Company, New York, N. Y., a corporation of New York. BAG FILLING AND SEALING MACHINERY. Class 23.

261,844. GREEN-GOLD. Registered Sept. 17, 1929. Barker-Miller Distributing Company. Renewed Sept. 17, 1949, to Miller-Johns Company, Phoenix, Ariz., a firm. FRESH LETTUCE. Class 46.

261,848. REGAL. Registered Sept. 17, 1929. Regal Shoe Company, Whitman, Mass., a corporation of Massachusetts. Renewed Sept. 17, 1949. LEATHER DRESSING, BLACKING, AND POLISH. Class 4.

261,703. "OTSEGO FLOUR" AND DESIGN. Registered Sept. 24, 1929. Hubbard Milling Company, Mankato, Minn., a corporation of Minnesota. Renewed Sept. 24, 1949. WHEAT FLOUR. Class 46.

261,936. "JOE TREYBAL" AND DESIGN. Registered Sept. 24, 1929. Joe Treybal, St. Louis, Mo. Renewed Sept. 24, 1949. PLAYING DICE. Class 22.

262,011. DUO-BAA-CO DOUBLEBASE. Registered Sept. 24, 1929. The Embalmers' Supply Company, Inc., Westport, Conn., a corporation of Connecticut. Renewed Sept. 24, 1949. EMBALMING FLUID. Class 6.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 119,638. Registered Dec. 11, 1917. BROOS & COBB, INCORPORATED, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

SNOBUCK

FOR UPPER LEATHER FOR BOOTS AND SHOES. Claims use since January 1917.

Reg. No. 282,092. Registered Apr. 7, 1931. TENNESSEE MINERAL PRODUCTS CORPORATION, New York, N. Y. Republished by United Feldspar & Minerals Corporation, New York, N. Y., a corporation of Delaware.

CHEMI-TROLD

FOR FELDSPAR. Claims use since July 15, 1930.

Reg. No. 282,334. Registered Apr. 21, 1931. TENNESSEE MINERAL PRODUCTS CORPORATION, New York, N. Y. Republished by United Feldspar & Minerals Corporation, New York, N. Y., a corporation of Delaware.

GRANULAR CHEMI-TROLD GLASSPAR

The word "Granular" is disclaimed apart from the mark as shown.
FOR FELDSPAR.
Claims use since July 15, 1930.

Reg. No. 298,896. Registered Aug. 23, 1932. SOUTH-WESTERN STONE CO., LTD., London, England, a corporation of Great Britain. Republished by registrant.

PERRYCOT

FOR RAW OR PARTLY WORKED STONE. Claims use since Dec. 14, 1931.

Reg. No. 298,250. Registered Oct. 18, 1932. SHELL OIL COMPANY, San Francisco, Calif. Republished by Shell Oil Company, Incorporated, San Francisco, Calif., a corporation of Virginia.

SHELL

FOR PETROLEUM PITCH, A RESIDUE FROM THE DISTILLATION OF CRUDE PETROLEUM OILS.
Claims use since Oct. 15, 1929.

Reg. No. 323,745. Registered Apr. 30, 1935. PACIFIC BONE COAL & FERTILIZING COMPANY, San Francisco, Calif. Republished by Consolidated Chemical Industries, Inc., San Francisco, Calif., a corporation of Delaware.

FILTREX

FOR ANIMAL CHARCOAL (BONE BLACK) USED AS A DECOLORIZING CARBON.
Claims use since Nov. 14, 1934.

Reg. No. 344,669. Registered Mar. 30, 1937. CAROLINA PYROPHYLLITE COMPANY, New York, N. Y., a corporation of North Carolina. Republished by registrant.

CAPYCO

FOR PYROPHYLLITE.
Claims use since Oct. 23, 1936.

Reg. No. 377,339. Registered Apr. 30, 1940. UNITED FELDSPAR CORPORATION, New York, N. Y. Republished by United Feldspar & Minerals Corporation, New York, N. Y., a corporation of Delaware.

LITHOSPAR

FOR MIXTURE OF SPODUMENE AND FELDSPAR.
Claims use since July 5, 1939.

Reg. No. 403,516. Registered Sept. 28, 1943. HARRY T. CAMPBELL SONS' CORPORATION, Towson, Md., a corporation of Maryland. Republished by registrant.



The drawing is lined for blue and red.
FOR EXTREMELY FINE CALCIUM CARBONATE PRODUCED FROM CALCITE, A HIGH CALCIUM LIMESTONE.
Claims use since Nov. 1, 1942.

Reg. No. 418,289. Registered Dec. 11, 1945. HARRY T. CAMPBELL SONS' CORPORATION, Towson, Md., a corporation of Maryland. Republished by registrant.



The drawing is lined for the color red.
FOR MINED CALCIUM STONE, A CRUDE MINERAL.
Claims use since Feb. 21, 1936.

CLASS 2

RECEPTACLES

Reg. No. 158,886. Registered Sept. 19, 1922. THE ATLANTIC STAMPING COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

ATLANTIC

FOR METAL (GALVANIZED IRON OR TIN) PAILS, COAL HODS, DINNER PAILS, SPRINKLING POTS, BUCKETS, CANS, TOTE BOXES, AND RADIATOR FILLERS.
Claims use since about Mar. 1, 1904.

Reg. No. 263,476. Registered Nov. 5, 1929. B. ALTMAN & Co., New York, N. Y., a corporation of New York. Republished by registrant.

B. Altman & Co.

FOR JEWELRY FOR PERSONAL WEAR AND DRESS WEAR NOT INCLUDING WATCHES; SILVER TABLEWARE AS FOLLOWS: KNIVES, FORKS, SPOONS, LADLES, SERVERS, TONGS, TEA AND COFFEE SETS, WATER PITCHERS, WATER GOBLETS, SHERBET GLASSES, BEVERAGE GLASSES, BERRY, SALAD, AND MAYONNAISE BOWLS, BREAD AND SERVING TRAYS, SANDWICH, SERVICE AND BREAD AND BUTTER PLATES, BON-BON DISHES, FLOWER VASES, FLOWER BASKETS, FLOWER CENTERPIECES, CANDLESTICKS, NAPKIN RINGS, TEA STRAINERS, SALT AND PEPPER SHAKERS, BEVERAGE SHAKERS, MEAT PLATTERS, GRAVY BOATS AND TRAYS, SUGAR AND CREAM SETS, VEGETABLE DISHES, CHOP DISHES, COMPOTIERS, EGG CUPS, TABLE BELLS, TEA BALLS, BABY CUPS, BOWLS AND PLATES; SILVER TOILET WARE AS FOLLOWS: MIRRORS, BRUSHES, COMBS, POWDER JARS, SALVE JARS, PERFUME BOTTLES, TRAYS, SHOEHORNS, BUTTON HOOKS, NAIL FILES, SCISSORS, PICTURE FRAMES, NAIL POLISHERS, AND HAIR RECEIVERS; STERLING SILVER NOVELTIES AS FOLLOWS: CIGAR AND CIGARETTE CASES, CIGARETTE BOXES, CIGARETTE HOLDERS, MATCH BOXES, POCKET FLASKS, ASH TRAYS, POCKETKNIVES, KEY RINGS, BILL CLIPS, POCKET COMBS, POCKET MIRRORS, POWDER CASES, AND PERFUME FLASKS.
Claims use since about 1889.

Reg. No. 296,722. Registered Aug. 16, 1932. FURNITURE STYLISTS INC., Chicago, Ill. Republished by Sterling, Inc., New York, N. Y., a corporation of New York.



The words "Feather-Weight Trays" are disclaimed apart from the mark as shown.
FOR TRAYS MADE OF WOOD.
Claims use since Feb. 18, 1931.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 440,199. Registered Aug. 17, 1948. CHARLES WEILL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Danby

FOR HAND BAGS AND TRAVELING CASES MADE OF LEATHER OR SIMULATION THEREOF FOR MEN AND WOMEN.
Claims use since Feb. 21, 1925.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 217,453. Registered Aug. 31, 1926. SYLVAN M. EDISON, doing business as The Edison Laboratories, Chicago, Ill. Republished by Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana.



All the wording (except the word "Sanident") and the representation of the goods are disclaimed apart from the mark as shown.
FOR DENTAL PLATE CLEANSER.
Claims use since Jan. 10, 1926.

Reg. No. 254,269. Registered Mar. 19, 1929. CALIFORNIA BLEACHING WATER CO., INC., San Francisco, Calif. Republished by Lady's Choice Foods, Los Angeles, Calif., a corporation of California.

SANI-CLOR

FOR WASHING FLUID.
Claims use since Aug. 1, 1928.

Reg. No. 257,361. Registered June 4, 1929. CONSOLIDATED RENDERING COMPANY, Boston Mass., a corporation of Maine. Republished by registrant.

CORENCO

FOR TALLOW AND GREASE FOR SOAP PURPOSES.
Claims use since about July 1920.

Reg. No. 257,999. Registered June 25, 1929. YANKEE POLISH CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR SHOE POLISH.
Claims use since Aug. 1, 1928.

Reg. No. 264,331. Registered Nov. 26, 1929. GEORG SCHICHT A. G., Aussig, Czechoslovakia. Republished by Severoceske Tukove Zavody (Drive Jiri Schicht) Narodni Padnik, Usti nad Labem, Czechoslovakia, a corporation organized under the laws of Czechoslovakia.



FOR SOAP, WASHING POWDER.
Claims use since 1920.

Reg. No. 273,109. Registered July 22, 1930. ABRAHAM & STRAUS, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

MONTAUK

FOR SOAP.
Claims use since Mar. 1, 1929.

Reg. No. 370,229. Registered Aug. 22, 1939. ROCHESTER GERMICIDE COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

EMULSO

FOR LIQUID SOAP FOR USE ON FLOORS, WOODWORK, AUTOMOBILE BODIES, AND THE LIKE.
Claims use since March 1922.

Reg. No. 402,401. Registered July 27, 1943. CHARLES M. ADNIS, New York, N. Y. Republished by registrant.

SOL-SPEEDI-DRI

The words "Speedi-Dri" are disclaimed apart from the mark as shown.
FOR CLEANING MATERIAL HAVING OIL AND WATER ABSORBENT AND FIRE PREVENTIVE PROPERTIES.
Claims use since Sept. 28, 1942.

Reg. No. 412,947. Registered Apr. 3, 1945. PALMER COMPANY, INC., Wankesha, Wis., a corporation of Wisconsin. Republished by registrant.

THE Guardian LINE

The word "Line" is disclaimed apart from the mark as shown.
FOR METAL POLISH; LIQUID, POWDER, AND CAKE SOAPS OF ALL KINDS; SCOURING POWDER; SWEEPING COMPOUNDS; LIQUID CLEANERS INCLUDING BLACKBOARD CLEANERS, TOILET BOWL CLEANERS, ANTISEPTIC CLEANERS, SODA CLEANSERS, AND CHEMICAL CLEANERS FOR DAIRIES.
Claims use since Jan. 1, 1944.

Reg. No. 433,883. Registered Nov. 4, 1947. PARK CHEMICAL COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.



The drawing is lined for red.
FOR CHROMIUM CLEANER, DRY CLEANING FLUIDS, WALL AND FLOOR CLEANING COMPOUND, RUG CLEANER, UPHOLSTERY CLEANER, SILVER POLISH, RUBBER DRESSING, LIQUID CLEANERS FOR METAL PARTS, AND TAR REMOVER.
Claims use since September 1930.

CLASS 5

ADHESIVES

Reg. No. 287,061. Registered Sept. 15, 1931. PACIFIC BONE COAL & FERTILISING CO., San Francisco, Calif. Republished by Consolidated Chemical Industries, Inc., San Francisco, Calif., a corporation of Delaware.

LUSTRA GLUE

The word "Glue" is disclaimed apart from the mark as shown.
FOR GLUE.
Claims use since Apr. 10, 1931.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 42,131. Registered Feb. 23, 1904. PINEULE MEDICINE CO., Chicago, Ill. Republished by E. C. De Witt & Co., Inc., Chicago, Ill., a corporation of New York.

Man Zan

FOR PREPARATION FOR ALLEVIATING MILD RECTAL IRRITATIONS ASSOCIATED WITH PILES, ALSO IRRITATIONS CAUSED BY CUTS, BURNS, AND BRUISES.
Claims use since Dec. 1, 1903.

Reg. No. 45,170. Registered Aug. 8, 1905. PINEULE MEDICINE CO., Chicago, Ill. Republished by E. C. De Witt & Co., Inc., Chicago, Ill., a corporation of New York.

ManZan

FOR PREPARATION FOR ALLEVIATING MILD RECTAL IRRITATIONS ASSOCIATED WITH PILES.
Claims use since Dec. 1, 1903.

Reg. No. 45,473. Registered Aug. 22, 1905. E. C. DE WITT & CO., Chicago, Ill. Republished by E. C. De Witt & Co., Inc., Chicago, Ill., a corporation of New York.

Kodol

FOR PREPARATION FOR ALLEVIATING DISCOMFORTS OF EXCESS STOMACH ACIDITY AND IMPROVING THE APPETITE.
Claims use since June 1, 1898.

Reg. No. 54,274. Registered June 26, 1906. THE DR. MILES MEDICAL CO., Elkhart, Ind. Republished by Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana.

-ANTI-
Pain Pills.

FOR ANALGESIC AND SEDATIVE.
Claims use since the month of July 1893.

Reg. No. 98,148. Registered July 7, 1914. B. HELLER & CO., Chicago, Ill. Republished by B. Heller & Company, Chicago, Ill., a corporation of Illinois.



The words "Laundry Blue" are disclaimed apart from the mark as shown.
FOR LAUNDRY-BLUING AND LAUNDRY COLORS.
Claims use since December 1894.

Reg. No. 163,004. Registered Jan. 2, 1923. ALABAMA BY-PRODUCTS CORPORATION, Birmingham and Tarrant, Ala., a corporation of Delaware. Republished by registrant, present address Birmingham, Ala.



The trade-mark comprises a diamond shaped center panel in red with the letters "ABC" therein in white. The words "Ammonia, Benzol, Coke, Tar" and "Alabama's Best Coke" are disclaimed apart from the mark as shown.
FOR AMMONIA AND BENZOL.
Claims use since March 1920.

Reg. No. 200,922. Registered July 14, 1925. HAMILTON RUSSELL, Pensacola, Fla. Republished by Rosa Cox Russell, Pensacola, Fla.

COUGH-GONE

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF COUGHS, COLDS, HOARSENESS, SORE THROAT, BRONCHITIS, AND ALL DISEASES OF THE THROAT AND LUNGS.
Claims use since October 1918.

Reg. No. 211,498. Registered Apr. 13, 1926. DR. MILES MEDICAL COMPANY, Elkhart, Ind. Republished by Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana.

PURA-LAXA

FOR LAXATIVE MEDICINES.
Claims use since Jan. 21, 1925.

Reg. No. 226,493. Registered Apr. 12, 1927. TINTE ORIENTAL, INC., Mayaguez, P. R. Republished by Gustavo Salvia, doing business under the trade name of Tinte Oriental, Mayaguez, P. R.



FOR SHAMPOOS AND HAIR DYES.
Claims use since Oct. 31, 1923.

Reg. No. 239,245. Registered Feb. 28, 1928. ARWELL PRODUCTS COMPANY, Chicago, Ill. Republished by Arwell, Inc., Waukegan, Ill., a corporation of Illinois.

ARWELL

FOR HOUSEHOLD DEODORANT AND MOTH PREVENTATIVE.
Claims use since Feb. 6, 1927.

Reg. No. 247,209. Registered Sept. 25, 1928. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Republished by E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.

HIGH SPEED

FOR TINNING FLUXES.
Claims use since about Apr. 25, 1928.

Reg. No. 252,456. Registered Feb. 5, 1929. THE NEWPORT COMPANY, Carrollville, Wis. Republished by E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.

CELANTHRENE

FOR DYES, DYESTUFFS, AND COLORS.
Claims use since June 6, 1928.

Reg. No. 271,248. Registered May 27, 1930. EDWARD A. HENSKE, doing business as Kin-Septic Company, St. Louis, Mo. Republished by York Pharmacal Company, St. Louis, Mo., a corporation of Missouri.

SKIN-SEPTIC

The word "Septic" is disclaimed apart from the mark as shown.
FOR SKIN ANTISEPTIC.
Claims use since Oct. 23, 1929.

Reg. No. 281,237. Registered Mar. 19, 1931. ARWELL PRODUCTS CO., Waukegan, Ill. Republished by Arwell, Inc., Waukegan, Ill., a corporation of Illinois.

Arwellmist

FOR INSECTICIDES, MOTH FUMIGANT.
Claims use since Apr. 3, 1929.

Reg. No. 290,826. Registered Jan. 19, 1932. ARWELL PRODUCTS COMPANY, Waukegan, Ill. Republished by Arwell, Inc., Waukegan, Ill., a corporation of Illinois.

R-WELLENE

FOR ANTISEPTIC.
Claims use since on or about Aug. 21, 1931.

Reg. No. 298,222. Registered Oct. 18, 1932. JOHNSON & JOHNSON, New Brunswick, N. J. Republished by Ortho Pharmaceutical Corporation, Raritan, N. J., a corporation of New Jersey.

ortho-gynol

FOR ANTISEPTIC PREPARATION FOR FEMININE HYGIENE.
Claims use since Sept. 30, 1931.

Reg. No. 302,070. Registered Mar. 28, 1933. PROFESSIONAL PRODUCTS CORPORATION, New Brunswick, N. J., assignor to Johnson & Johnson. Republished by Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey.

Kalms

FOR TABLETS FOR PAINS, DYSMENORRHEA, HEADACHES, AND THE LIKE.
Claims use since Oct. 1, 1932.

Reg. No. 322,981. Registered Mar. 26, 1935. PACQUIN INC., New York, N. Y. Republished by Pacquin-Lester Company, Litchfield, Conn., a partnership.

Pacquins

FOR HAND CREAM, COLD CREAM, CLEANSING CREAM, VANISHING CREAM, AND LEMON CREAM.
Claims use since Dec. 17, 1920.

Reg. No. 334,036. Registered May 19, 1936. E. R. SQUIBB & SONS, New York, N. Y. Republished by Ortho Pharmaceutical Corporation, Raritan, N. J., a corporation of New Jersey.

Preceptin

FOR ANTISEPTICS AND SPERMICIDES.
Claims use since Jan. 3, 1936.

Reg. No. 347,808. Registered July 6, 1937. CONSOLIDATED CHEMICAL INDUSTRIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

REPELLA

FOR FLY REPELLENT.
Claims use since Jan. 1, 1934.

Reg. No. 348,372. Registered July 27, 1937. WISHNICK-TUMPEER, INC., Chicago, Ill. Republished by Witco Chemical Company, Chicago, Ill., a corporation of Illinois.

STEARITE

FOR CERTAIN CHEMICALS—NAMELY, HYDROGENATED STEARINE OF FISH OIL.
Claims use since Jan. 15, 1932.

Reg. No. 357,021. Registered May 24, 1938. CHICAGO PHARMACAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DENTASEPTO

FOR MOUTH WASH.
Claims use since 1915.

Reg. No. 357,215. Registered May 24, 1938. VALENTINE LABORATORIES, INC., Chicago, Ill. Republished by Union Drug Co., Chicago, Ill., a corporation of Illinois.

·TANNETTI·

FOR HYGIENIC PREPARATIONS—NAMELY, VAGINAL JELLY AND ANTISEPTIC POWDERS.
Claims use since Nov. 13, 1933.

Reg. No. 361,211. Registered Oct. 11, 1938. ARWELL, INC., Waukegan, Ill., a corporation of Illinois. Republished by registrant.

Arwell

MOTH MAGIC

The word "Moth" is disclaimed apart from the mark as shown.
FOR CLEANSING, DEODORIZING, AND FUMIGATING PREPARATIONS.
Claims use since Mar. 1, 1938.

Reg. No. 372,931. Registered Nov. 21, 1939. ANSUL CHEMICAL COMPANY, Marinette, Wis., a corporation of Wisconsin. Republished by registrant.

ICE-X

FOR LIQUID TO BE ADDED TO REFRIGERANTS, SUCH AS METHYL CHLORIDE, METHYLENE CHLORIDE AND THE "FREON" REFRIGERANTS FOR USE IN PREVENTING FORMATION OF ICE CRYSTALS IN ELECTRIC REFRIGERATING MACHINES OF COMPRESSOR TYPE.
Claims use since Jan. 9, 1939.

Reg. No. 388,980. Registered July 22, 1941. ROCHESTER GERMICIDE COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

San-o-la

FOR DISINFECTANT AND ANTISEPTIC PREPARATIONS IN LIQUID FORM.
Claims use since 1904.

Reg. No. 395,675. Registered June 2, 1942. CHICAGO PHARMACAL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

TRIBROMAURO

FOR SEDATIVE USED IN THE TREATMENT OF PERTUSSIS.
Claims use since Oct. 18, 1934.

Reg. No. 395,946. Registered June 16, 1942. DUGAS ENGINEERING CORPORATION, Marinette, Wis. Republished by Ansul Chemical Company, Marinette, Wis., a corporation of Wisconsin.

duMag

FOR DRY EXTINGUISHING COMPOUND FOR MAGNESIUM, POTASSIUM, SODIUM, ALUMINUM, ZINC, IRON, AND OTHER METAL FIRES, INCENDIARIES, AND BURNING INFLAMMABLE MATERIALS.
Claims use since Feb. 16, 1942.

Reg. No. 402,775. Registered Aug. 10, 1943. ANSUL CHEMICAL COMPANY, Marinette, Wis., a corporation of Wisconsin. Republished by registrant.

ANSUL

FOR REFRIGERANTS—NAMELY, SULPHUR DIOXIDE AND METHYL CHLORIDE; CHEMICAL FUMIGANTS—NAMELY, CHLOROPICRIN; COLLOIDAL SULPHUR FOR USE AS FUNGICIDE AND INSECTICIDE; A PREPARATION FOR TREATING SEED AND SOIL TO PREVENT DAMPING-OFF OF SEEDLINGS AND CUTTINGS.
Claims use since Apr. 30, 1915.

Reg. No. 406,058. Registered Mar. 7, 1944. HERMAN BRAUN, doing business as Standard Pharmaceutical Co., New York, N. Y. Republished by Standard Pharmaceutical Co., Inc., New York, N. Y., a corporation of New York.

VALERIANETS

FOR SEDATIVES, PARTICULARLY HERBACEOUS.
Claims use since Sept. 7, 1942.

Reg. No. 409,942. Registered Oct. 31, 1944. DUGAS ENGINEERING CORPORATION, Marinette, Wis. Republished by Ansul Chemical Company, Marinette, Wis., a corporation of Wisconsin.

PLUS-FIFTY

FOR DRY POWDERED CHEMICAL FIRE EXTINGUISHING COMPOSITIONS.
Claims use since Sept. 23, 1943.

Reg. No. 412,129. Registered Feb. 20, 1945. PALMER COMPANY, INC., Waukesha, Wis., a corporation of Wisconsin. Republished by registrant.

THE Guardian LINE

FOR INSECTICIDES; FLY SPRAY; ROACH POWDER; LIQUID DEODORANT; DISINFECTANTS; BOILER COMPOUNDS IN THE NATURE OF A CHEMICAL FOR SOFTENING WATER AND FOR PREVENTING SCALE IN BOILERS, PIPES, ETC.; WATER SOFTENERS; PIPE CLEANERS—NAMELY, A CHEMICAL FOR USE IN OPENING DRAIN PIPES; MOTH REPELLANT AND CREOSOL COMPOUND.
Claims use since Jan. 1, 1944.

Reg. No. 415,068. Registered July 10, 1945. SHELL UNION OIL CORPORATION, San Francisco, Calif. Republished by Shell Chemical Corporation, New York, N. Y., a corporation of Delaware.

IONOL

FOR CHEMICAL PREPARATION FOR INHIBITING OXIDATION.
Claims use since Nov. 15, 1944.

Reg. No. 429,464. Registered Apr. 29, 1947. SHELL OIL COMPANY, INCORPORATED, San Francisco, Calif., a corporation of Virginia. Republished by registrant.

MEDOSOL

FOR INSECTICIDE.
Claims use since Sept. 9, 1946.

Reg. No. 433,428. Registered Oct. 14, 1947. ORTHO PHARMACEUTICAL CORPORATION, Linden, N. J., a corporation of New Jersey. Republished by registrant, present address Raritan, N. J.

ORTHO

FOR VAGINAL CREAMS AND JELLIES, ANTISEPTIC PREPARATIONS FOR FEMININE HYGIENE, AND THERAPEUTIC PRODUCTS FOR USE IN THE MANAGEMENT OF MENOPAUSE.
Claims use since Aug. 28, 1944.

Reg. No. 435,028. Registered Dec. 9, 1947. SHELL CHEMICAL CORPORATION, San Francisco, Calif., a corporation of Delaware. Republished by registrant, present address New York, N. Y.

D-D

FOR SOIL FUMIGANT.
Claims use since Nov. 15, 1946.

Reg. No. 436,111. Registered Jan. 20, 1948. GEORGE MARTIN BROEMMEL, also known as Geo. M. Broemmel, doing business as Broemmel Pharmaceuticals, San Francisco, Calif. Republished by registrant.

Broemmel

FOR MOSQUITO IMMUNIZING AGENT SOLD IN THE FORM OF PILLS, INTRAMUSCULAR INJECTION FOR THE PREVENTION AND TREATMENT OF POISON-OAK AND POISON-IVY POISONING, NASAL, OPHTHALMIC AND THROAT DROPS AND SPRAYS, AND PREPARATIONS IN CAPSULE FORM FOR THE TREATMENT OF HEAD COLDS AND CERTAIN ALLERGIC CONDITIONS ARISING FROM VARIOUS POLLENS.
Claims use since about August 1876.

Reg. No. 440,118. Registered Aug. 10, 1948. THE MABEX CO., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

MABEX

FOR MOTH CAKES AND CRYSTALS, AND DEODORANTS.
Claims use since 1932.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 263,476. Registered Nov. 5, 1929. B. ALTMAN & CO., New York, N. Y., a corporation of New York. Republished by registrant.

B. Altman & Co.

FOR JEWELRY FOR PERSONAL WEAR AND DRESS WEAR NOT INCLUDING WATCHES; SILVER TABLEWARE AS FOLLOWS: KNIVES, FORKS, SPOONS, LADLES, SERVERS, TONGS, TEA AND COFFEE SETS, WATER PITCHERS, WATER GOBLETS, SHERBET GLASSES, BEVERAGE GLASSES, BERRY, SALAD, AND MAYONNAISE BOWLS, BREAD AND SERVING TRAYS, SANDWICH, SERVICE AND BREAD AND BUTTER PLATES, BON-BON DISHES, FLOWER VASES, FLOWER BASKETS, FLOWER CENTERPIECES, CANDLESTICKS, NAPKIN RINGS, TEA STRAINERS, SALT AND PEPPER SHAKERS, BEVERAGE SHAKERS, MEAT PLATTERS, GRAVY BOATS AND TRAYS, SUGAR AND CREAM SETS, VEGETABLE DISHES, CHOP DISHES, COMPOTIERS, EGG CUPS, TABLE BELLS, TEA BALLS, BABY CUPS, BOWLS AND PLATES; SILVER TOILET WARE AS FOLLOWS: MIRRORS, BRUSHES, COMBS, POWDER JARS, SALVE JARS, PERFUME BOTTLES, TRAYS, SHOEHORNS, BUTTON HOOKS, NAIL FILES, SCISSORS, PICTURE FRAMES, NAIL POLISHERS, AND HAIR RECEIVERS; STERLING SILVER NOVELTIES AS FOLLOWS: CIGAR AND CIGARETTE CASES, CIGARETTE BOXES, CIGARETTE HOLDERS, MATCH BOXES, POCKET FLASKS, ASH TRAYS, POCKETKNIVES, KEY RINGS, BILL CLIPS, POCKET COMBS, POCKET MIRRORS, POWDER CASES, AND PERFUME FLASKS.
Claims use since about 1889.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 808,811. Registered Nov. 28, 1933. AUSTIN POWDER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

USED IN 1833 AUSTIN EVER SINCE

The drawing is lined for red.
FOR BLASTING POWDER, PELLET POWDER, DYNAMITE, PERMISSIBLE EXPLOSIVES, CAPS, AND EXPLODERS.
Claims use since about May 1, 1910.

CLASS 10

FERTILIZERS

Reg. No. 89,494. Registered Dec. 17, 1912. PACIFIC BONE COAL & FERTILIZING CO., San Francisco, Calif. Republished by Consolidated Chemical Industries, Inc., San Francisco, Calif., a corporation of Delaware.

PROSPERITY

FOR FERTILIZER.
Claims use since July 1, 1912.

Reg. No. 254,910. Registered Apr. 2, 1929. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

CORENCO

FOR ANIMAL PRODUCTS—NAMELY, FERTILIZERS AND AGRICULTURAL CHEMICALS.
Claims use since about July 1920.

Reg. No. 308,542. Registered Dec. 5, 1933. PACIFIC BONE COAL & FERTILIZING COMPANY, San Francisco, Calif. Republished by Consolidated Chemical Industries, Inc., San Francisco, Calif., a corporation of Delaware.

CALA-BONE

The word "Bone" is disclaimed apart from the mark as shown.
FOR STEAMED BONE MEAL AND GROUND STEAM BONE.
Claims use since Apr. 8, 1933.

CLASS 11

INKS AND INKING MATERIALS

Reg. No. 98,773. Registered Aug. 4, 1914. B. HELLER & CO., Chicago, Ill. Republished by B. Heller & Company, Chicago, Ill., a corporation of Illinois.

ZANZIBAR CARBON INDELIBLE INK

The words "Indelible Ink" are disclaimed apart from the mark as shown.
FOR INKS FOR WRITING, PRINTING, AND STAMPING PURPOSES AND THINNERS THEREFOR.
Claims use since December 1894.

Reg. No. 222,708. Registered Jan. 4, 1927. OFFICE SPECIALTIES CO., Los Angeles, Calif. Republished by Office Specialties Co. (1937), Los Angeles, Calif., a copartnership.

SIMPLEX

FOR INK PADS, RUBBER-STAMP INK, AND NUMBERING MACHINE INK.
Claims use since Jan. 2, 1925.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 120,619. Registered Feb. 19, 1918. THE NEWPORT ROLLING MILL COMPANY, Newport, Ky. Republished by International Detroit Corporation, Detroit, Mich., a corporation of Indiana.

GLOBE

FOR BUILDING MATERIAL OF GALVANIZED STEEL SHEETS, BLACK STEEL SHEETS, PAINTED STEEL SHEETS, AS FOLLOWS, TO WIT, CORRUGATED RIDGE-ROLLS, CORRUGATED SIDE-WALL FLASHINGS, CORRUGATED END-WALL FLASHINGS, CORRUGATED AWNING-SHEETS, CORRUGATED ARCHES AND CURVED SHEETS FOR USE IN ARCHED CONSTRUCTION, CORRUGATED SHEETS WITH V-CRIMP EDGES; CORRUGATED PRESSED STANDING-SEAM ROOFING; V-CRIMP ROOFING; MIDDLE OR 3-V-CRIMP ROOFING, 4-V-CRIMP ROOFING, 5-V-CRIMP ROOFING, 6-V-CRIMP ROOFING, PRESSED STANDING-SEAM ROOFING, PRESSED STANDING-SEAM ROOFING WITH CENTER CRIMP, BEADED V-CRIMP ROOFING, BEADED PRESSED STANDING-SEAM ROOFING, CORNER-MOLDING, STEEL CEILINGS AND SIDE-WALL SHEETS OF ORNAMENTAL DESIGN, CORNICE-STRIPS, WEATHER-BOARD-SIDING, METAL CORNER-BOARDS, PANEL-

1008 OFFICIAL GAZETTE JUNE 28, 1949

JUNE 28, 1949 U. S. PATENT OFFICE 1009

CLASS 9

CLASS 11

Reg. No. 415,058. Registered July 10, 1945. SHELL UNION OIL CORPORATION, San Francisco, Calif. Republished by Shell Chemical Corporation, New York, N. Y., a corporation of Delaware.

IONOL

FOR CHEMICAL PREPARATION FOR INHIBITING OXIDATION.
Claims use since Nov. 15, 1944.

Reg. No. 429,464. Registered Apr. 29, 1947. SHELL OIL COMPANY, INCORPORATED, San Francisco, Calif., a corporation of Virginia. Republished by registrant.

MEDOSOL

FOR INSECTICIDE.
Claims use since Sept. 9, 1946.

Reg. No. 433,428. Registered Oct. 14, 1947. ORTHO PHARMACEUTICAL CORPORATION, Linden, N. J., a corporation of New Jersey. Republished by registrant, present address Raritan, N. J.



FOR VAGINAL CREAMS AND JELLIES, ANTISEPTIC PREPARATIONS FOR FEMININE HYGIENE, AND THERAPEUTIC PRODUCTS FOR USE IN THE MANAGEMENT OF MENOPAUSE.
Claims use since Aug. 28, 1944.

Reg. No. 435,028. Registered Dec. 9, 1947. SHELL CHEMICAL CORPORATION, San Francisco, Calif., a corporation of Delaware. Republished by registrant, present address New York, N. Y.



FOR SOIL FUMIGANT.
Claims use since Nov. 15, 1946.

Reg. No. 436,111. Registered Jan. 20, 1948. GEORGE MARTIN BROEMMEL, also known as Geo. M. Broemmel, doing business as Broemmel Pharmaceuticals, San Francisco, Calif. Republished by registrant.

Broemmel

FOR MOSQUITO IMMUNIZING AGENT SOLD IN THE FORM OF PILLS, INTRAMUSCULAR INJECTION FOR THE PREVENTION AND TREATMENT OF POISON-OAK AND POISON-IVY POISONING, NASAL, OPHTHALMIC AND THROAT DROPS AND SPRAYS, AND PREPARATIONS IN CAPSULE FORM FOR THE TREATMENT OF HEAD COLDS AND CERTAIN ALLERGIC CONDITIONS ARISING FROM VARIOUS POLLENS.
Claims use since about August 1876.

Reg. No. 440,118. Registered Aug. 10, 1948. THE MABEX CO., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

MABEX

FOR MOTH CAKES AND CRYSTALS, AND DEODORANTS.
Claims use since 1932.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 263,476. Registered Nov. 5, 1929. B. ALTMAN & CO., New York, N. Y., a corporation of New York. Republished by registrant.

B. Altman & Co.

FOR JEWELRY FOR PERSONAL WEAR AND DRESS WEAR NOT INCLUDING WATCHES; SILVER TABLEWARE AS FOLLOWS: KNIVES, FORKS, SPOONS, LADLES, SERVERS, TONGS, TEA AND COFFEE SETS, WATER PITCHERS, WATER GOBLETS, SHERBET GLASSES, BEVERAGE GLASSES, BERRY, SALAD, AND MAYONNAISE BOWLS, BREAD AND SERVING TRAYS, SANDWICH, SERVICE AND BREAD AND BUTTER PLATES, BON-BON DISHES, FLOWER VASES, FLOWER BASKETS, FLOWER CENTERPIECES, CANDLESTICKS, NAPKIN RINGS, TEA STRAINERS, SALT AND PEPPER SHAKERS, BEVERAGE SHAKERS, MEAT PLATTERS, GRAVY BOATS AND TRAYS, SUGAR AND CREAM SETS, VEGETABLE DISHES, CHOP DISHES, COMPOTIERS, EGG CUPS, TABLE BELLS, TEA BALLS, BABY CUPS, BOWLS AND PLATES; SILVER TOILET WARE AS FOLLOWS: MIRRORS, BRUSHES, COMBS, POWDER JARS, SALVE JARS, PERFUME BOTTLES, TRAYS, SHOEHORNS, BUTTON HOOKS, NAIL FILES, SCISSORS, PICTURE FRAMES, NAIL POLISHERS, AND HAIR RECEIVERS; STERLING SILVER NOVELTIES AS FOLLOWS: CIGAR AND CIGARETTE CASES, CIGARETTE BOXES, CIGARETTE HOLDERS, MATCH BOXES, POCKET FLASKS, ASH TRAYS, POCKETKNIVES, KEY RINGS, BILL CLIPS, POCKET COMBS, POCKET MIRRORS, POWDER CASES, AND PERFUME FLASKS.
Claims use since about 1889.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 308,311. Registered Nov. 28, 1933. AUSTIN POWDER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



The drawing is lined for red.
FOR BLASTING POWDER, PELLET POWDER, DYNAMITE, PERMISSIBLE EXPLOSIVES, CAPS, AND EXPLODERS.
Claims use since about May 1, 1910.

CLASS 10

FERTILIZERS

Reg. No. 89,494. Registered Dec. 17, 1912. PACIFIC BONE COAL & FERTILIZING CO., San Francisco, Calif. Republished by Consolidated Chemical Industries, Inc., San Francisco, Calif., a corporation of Delaware.

PROSPERITY

FOR FERTILIZER.
Claims use since July 1, 1912.

Reg. No. 254,910. Registered Apr. 2, 1929. CONSOLIDATED RENDERING COMPANY, Boston, Mass., a corporation of Maine. Republished by registrant.

CORENCO

FOR ANIMAL PRODUCTS—NAMELY, FERTILIZERS AND AGRICULTURAL CHEMICALS.
Claims use since about July 1920.

Reg. No. 308,542. Registered Dec. 5, 1933. PACIFIC BONE COAL & FERTILIZING COMPANY, San Francisco, Calif. Republished by Consolidated Chemical Industries, Inc., San Francisco, Calif., a corporation of Delaware.

CALA-BONE

The word "Bone" is disclaimed apart from the mark as shown.
FOR STEAMED BONE MEAL AND GROUND STEAM BONE.
Claims use since Apr. 8, 1933.

CLASS 11

INKS AND INKING MATERIALS

Reg. No. 98,773. Registered Aug. 4, 1914. B. HELLER & CO., Chicago, Ill. Republished by B. Heller & Company, Chicago, Ill., a corporation of Illinois.



The words "Indelible Ink" are disclaimed apart from the mark as shown.
FOR INKS FOR WRITING, PRINTING, AND STAMPING PURPOSES AND THINNERS THEREFOR.
Claims use since December 1894.

Reg. No. 222,708. Registered Jan. 4, 1927. OFFICE SPECIALTIES CO., Los Angeles, Calif. Republished by Office Specialties Co. (1937), Los Angeles, Calif., a copartnership.

SIMPLEX

FOR INK PADS, RUBBER-STAMP INK, AND NUMBERING MACHINE INK.
Claims use since Jan. 2, 1925.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 120,619. Registered Feb. 19, 1918. THE NEWPORT ROLLING MILL COMPANY, Newport, Ky. Republished by International Detrola Corporation, Detroit, Mich., a corporation of Indiana.



FOR BUILDING MATERIAL OF GALVANIZED STEEL SHEETS, BLACK STEEL SHEETS, PAINTED STEEL SHEETS, AS FOLLOWS, TO WIT, CORRUGATED RIDGE-ROLLS, CORRUGATED SIDE-WALL FLASHINGS, CORRUGATED END-WALL FLASHINGS, CORRUGATED AWNING-SHEETS, CORRUGATED ARCHES AND CURVED SHEETS FOR USE IN ARCHED CONSTRUCTION, CORRUGATED SHEETS WITH V-CRIMP EDGES; CORRUGATED PRESSED STANDING-SEAM ROOFING; V-CRIMP ROOFING; MIDDLE OR 3-V-CRIMP ROOFING, 4-V-CRIMP ROOFING, 5-V-CRIMP ROOFING, 6-V-CRIMP ROOFING, PRESSED STANDING-SEAM ROOFING, PRESSED STANDING-SEAM ROOFING WITH CENTER CRIMP, BEADED V-CRIMP ROOFING, BEADED PRESSED STANDING-SEAM ROOFING, CORNER-MOLDING, STEEL CEILINGS AND SIDE-WALL SHEETS OF ORNAMENTAL DESIGN, CORNICE-STRIPS, WEATHER-BOARD-SIDING, METAL CORNER-BOARDS, PANEL-

Reg. No. 222,800. Registered Jan. 11, 1927. LINK-BELT

SIDING, PRESSED-BRICK SIDING, ROCK-FACED BRICK SIDING, CORNER-STRIPS AND PILASTERS, ROCK-FACED STONE SIDING, PLANE RIDGE-ROLLS, PLANE ANGLE RIDGE-CAPS, BARN-DOOR-TRACK COVERS, DOOR AND WINDOW CASING STRIPS, DOOR AND WINDOW SILLS, BASEBOARDS, ORNAMENTAL METAL SHINGLES, HIP-SHINGLES, SHINGLE RIDGE-ROLLS, FORMED SHINGLE-VALLEYS, CORNER FINISHING-STRIPS, GABLE-END-FINISHING-STRIPS, PORCH-FLASHING-STRIPS, FINIALS, AND CRESTING BLOCKS, WALL-TIES, SINGLE AND DOUBLE BEADED EAVESTROUGHS PROVIDED WITH LAP-JOINTS, SINGLE AND DOUBLE BEADED EAVESTROUGHS, PROVIDED WITH SLIP-JOINTS; EAVESTROUGH END PIECES, CAP AND OUTLETS, EAVESTROUGH MITERS AND BOX GUTTERS, SELF-CAPPING ROLL-ROOFING, ROLL AND CAP ROOFING.
Claims use since Apr. 13, 1891.

Reg. No. 137,334. Registered Nov. 23, 1920. METAL FORMS CORPORATION, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

METAFORMS

FOR CONCRETE FORMS AND SHAPING DEVICES.
Claims use since Feb. 1, 1919.

Reg. No. 284,061. Registered June 16, 1931. GEO. H. STORM & CO., INC., New York, N. Y., assignor to Raymond W. Storm. Republished by Storm Flooring Co. Incorporated, New York, N. Y., a corporation of New York.

CUSHION

FOR WOODEN FLOORING.
Claims use since Nov. 10, 1930.

Reg. No. 296,816. Registered Aug. 23, 1932. SOUTH WESTERN STONE CO., LTD., London, England, a corporation of Great Britain. Republished by registrant.

PERRYCOT

FOR POLISHED STONE FOR BUILDING OR DECORATION.
Claims use since Dec. 14, 1931.

Reg. No. 306,728. Registered Sept. 26, 1933. HARRY T. CAMPBELL SONS COMPANY, Towson, Md. Republished by Harry T. Campbell Sons' Corporation, Towson, Md., a corporation of Maryland.

Camelite
A PAVEMENT FOR PERMANENCE

The words "A Pavement for Permanence" are disclaimed apart from the mark as shown.
FOR BUILDING STONE, ASPHALTIC CONCRETE, AND SO-CALLED HOT AND COLD MIX ASPHALTIC CONCRETE FOR CONSTRUCTION OF SURFACES AND BEDS FOR ROADS AND STREETS.
Claims use since Nov. 1, 1932.

Reg. No. 309,311. Registered Jan. 9, 1934. RAYMOND W. STORM, doing business as Storm Flooring Company, New York, N. Y. Republished by Storm Flooring Co. Incorporated, New York, N. Y., a corporation of New York.

CORKUSHION

FOR FLOOR MASTIC.
Claims use since Nov. 25, 1932.

Reg. No. 352,778. Registered Dec. 14, 1937. REPUBLIC STEEL CORPORATION, Cleveland, Ohio, a corporation of New Jersey. Republished by registrant.

REPUBLIC
STEEL

The word "Steel" is disclaimed apart from the mark as shown.
FOR HIGHWAY AND ROAD GUARDS AND PARTS THEREOF, AND STRUCTURAL STEEL SECTIONS OF VARIOUS CROSS-SECTIONAL SHAPES.
Claims use since Mar. 24, 1936.

Reg. No. 411,193. Registered Jan. 9, 1945. LITH-I-BAR COMPANY, Holland, Mich., a corporation of Michigan. Republished by registrant.

LITH-I-BAR

The word "Bar" is disclaimed apart from the mark as shown.
FOR PREFABRICATED LIGHTWEIGHT REINFORCED CONCRETE STRUCTURAL FRAMING MEMBERS.
Claims use since January 1933.

Reg. No. 440,117. Registered Aug. 10, 1948. THE PERMA PRODUCTS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Shakertown

FOR WOODEN SIDEWALL MATERIAL FOR RESIDENTIAL AND OTHER BUILDINGS, THE SIDEWALL MATERIAL BEING IN SHEET, BOARD, OR PANEL FORM FOR EXTERIOR COVERING PURPOSES.
Claims use since Feb. 15, 1941.

Reg. No. 440,882. Registered Oct. 5, 1948. RY-LOCK COMPANY, LTD., San Leandro, Calif., a corporation of California. Republished by registrant.

RY-LOCK

The word "Lock" is disclaimed apart from the mark as shown.
FOR WINDOW SCREENS.
Claims use since on or before Jan. 1, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 111,155. Registered July 4, 1916. AMERICAN DISTRICT STEAM COMPANY, North Tonawanda, N. Y., a corporation of New York. Republished by registrant.

AOSCO

FOR BOILERS, COOLING AND HEATING COILS, EXPANSION-VALVES FOR RADIATORS AND STEAM-TRAPS, RADIATORS, RADIATOR-VALVES, STEAM-TRAPS FOR STEAM-PRESSURE USAGE, STEAM-SEPARATORS, VARIATORS FOR PROVIDING FOR EXPANSION AND CONTRACTION OF PIPES, STEAM WATER-HEATERS, DAMPER-REGULATORS, STEAM-ACTUATED TEMPERATURE-REGULATORS AND FITTINGS FOR STEAM-HEATING SYSTEMS, ADJUSTABLE ANNULAR STEAM-PIPE WEDGES, ANCHORAGE AND ANCHOR SPECIALS TO HOLD STEAM PIPES AND FITTINGS AGAINST EXPANSION BY HEAT, STEAM-JOINT CLAMPS, PIPE-GUIDES FOR CENTERING PIPES IN CASINGS OF UNDERGROUND STEAM-MAINS, SLOTTED ANGLE-FLANGES, SLEEVES AND STRAINERS ESPECIALLY CONSTRUCTED FOR HEAVY-PRESSURE AND UNDERGROUND STEAM SYSTEMS, HOT WATER-STORAGE TANKS, FOOT-VALVE STRAINERS FOR STEAM SYSTEMS, TUNNEL-FITTINGS, T's AND UNIONS SPECIALLY CONSTRUCTED FOR UNDERGROUND STEAM-MAINS, VALVE-CURBS AND VALVE-SHIELDS FOR UNDERGROUND STEAM-MAINS, SPECIALLY-CONSTRUCTED UNIONS AND UNION-ELBOWS, ANGLE-VALVES, GLOBE-VALVES, REDUCING-VALVES AND CONTROLLING-VALVES FOR USE IN CONNECTION WITH RADIATORS, BACK-PRESSURE VALVES FOR STEAM SYSTEMS, SPECIALLY-CONSTRUCTED HEAVY-PRESSURE GATE STEAM-VALVES; STEAM-PRESSURE REDUCING, REGULATING, RELIEF, AND SAFETY VALVES; PIPE-RECEIVERS FOR STEAM-HEATING SYSTEMS; SPECIALLY-CONSTRUCTED AND PRESSURE-TESTED BALL-JOINTS, BUSHINGS, BRANCH FITTINGS, COMPANION FLANGES, COUPLINGS, CROSSES, ELBOWS, COLLARS, ECCENTRIC FITTINGS, LATERALS, NIPPLES, UNIONS, PIPE, REDUCERS, PIPE-BENDS, PIPE-FITTINGS, BOTH FLANGED AND THREADED, CAST-IRON AND MALLEABLE, AND SPECIALLY ADAPTED FOR USE WITH HEAVY-PRESSURE AND UNDERGROUND STEAM-SERVICE, AND ECONOMY-COILS FOR REMOVING HEAT FROM THE WATER OF CONDENSATION IN STEAM-HEATING SYSTEMS.
Claims use since about April 1910.

Reg. No. 130,585. Registered Apr. 27, 1920. THE TOLEDO COOKER COMPANY, Toledo, Ohio. Republished by The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio.

CONSERVO

FOR STEAM COOKERS.
Claims use since Feb. 8, 1918.

Reg. No. 222,800. Registered Jan. 11, 1927. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

C

FOR COMPOSITE TRANSMISSION AND CONVEYER CHAINS FORMED IN PART OF IRON AND IN PART OF STEEL LINKS.
Claims use since about Jan. 1, 1907.

Reg. No. 263,476. Registered Nov. 5, 1929. B. ALTMAN & CO., New York, N. Y., a corporation of New York. Republished by registrant.

B. Altman & Co.

FOR JEWELRY FOR PERSONAL WEAR AND DRESS WEAR NOT INCLUDING WATCHES; SILVER TABLEWARE AS FOLLOWS: KNIVES, FORKS, SPOONS, LADLES, SERVERS, TONGS, TEA AND COFFEE SETS, WATER PITCHERS, WATER GOBLETS, SHERBET GLASSES, BEVERAGE GLASSES, BERRY, SALAD, AND MAYONNAISE BOWLS, BREAD AND SERVING TRAYS, SANDWICH, SERVICE AND BREAD AND BUTTER PLATES, BON-BON DISHES, FLOWER VASES, FLOWER BASKETS, FLOWER CENTERPIECES, CANDLESTICKS, NAPKIN RINGS, TEA STRAINERS, SALT AND PEPPER SHAKERS, BEVERAGE SHAKERS, MEAT PLATTERS, GRAVY BOATS AND TRAYS, SUGAR AND CREAM SETS, VEGETABLE DISHES, CHOP DISHES, COMPOTIERS, EGG CUPS, TABLE BELLS, TEA BALLS, BABY CUPS, BOWLS AND PLATES; SILVER TOILET WARE AS FOLLOWS: MIRRORS, BRUSHES, COMBS, POWDER JARS, SALVE JARS, PERFUME BOTTLES, TRAYS, SHOEHORNS, BUTTON HOOKS, NAIL FILES, SCISSORS, PICTURE FRAMES, NAIL POLISHERS, AND HAIR RECEIVERS; STERLING SILVER NOVELTIES AS FOLLOWS: CIGAR AND CIGARETTE CASES, CIGARETTE BOXES, CIGARETTE HOLDERS, MATCH BOXES, POCKET FLASKS, ASH TRAYS, POCKETKNIVES, KEY RINGS, BILL CLIPS, POCKET COMBS, POCKET MIRRORS, POWDER CASES, AND PERFUME FLASKS.
Claims use since about 1889.

Reg. No. 319,363. Registered Nov. 20, 1934. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

red·hed

FOR POWER CHAINS AND CHAIN LINKS.
Claims use since about Mar. 14, 1934.

Reg. No. 352,376. Registered Nov. 30, 1937. REPUBLIC STEEL CORPORATION, Cleveland, Ohio, a corporation of New Jersey. Republished by registrant.

REPUBLIC STEEL

The word "Steel" is disclaimed apart from the mark as shown.

FOR LAP WELDED, BUTT WELDED, AND ELECTRIC WELDED PIPE, CASING, AND TUBING OF VARIOUS CROSS-SECTIONAL SHAPES; METAL CULVERTS AND DRAINAGE PIPE; BOLTS, NUTS, RIVETS, SPIKES, SCREW SPIKES, SCREWS AND TURNBUCKLES; BALE TIES, WOVEN WIRE FENCING, POULTRY NETTING, BARBED WIRE; METAL FENCE POSTS, WIRE NAILS, FENCE STAPLES, WIRE ROPE CLIPS, AND METAL GATES.

Claims use since Mar. 24, 1936.

Reg. No. 394,874. Registered May 5, 1942. HUBBARD AND COMPANY, Emeryville, Calif., a corporation of Pennsylvania. Republished by registrant, present address Pittsburgh, Pa.

DRIVEPOINT

FOR POLE LINE HARDWARE—NAMELY, UPSWEEP STREET HOOD BRACKETS, TELEPHONE POLE TOP BRACKETS, CLEVISES, LAMP LEAD BRACKETS, RIDGE IRONS, ONE AND TWO BOLT GUY CLAMPS, TRANSFORMER KICK-IRON BRACKETS, POLE GAINS, GUY GUARDS AND PROTECTION STRIPS, STRAIN PLATES, GUY SHIMS, GUY AND LOAD PLATES, THREE TO ONE GUY ADAPTERS, MESSENGER DEAD ENDS, LOAD PLATES, BREAST PLATES, POLE REENFORCING BANDS, POLE STRUTS, SIDEWALK GUY ARMS, SIDEWALK GUY ARM FITTINGS, ANGLE CROSS ARM BRACES, FLAT CROSS ARM BRACES, ALLEY ARM BRACES, VERTICAL BRACES, CROSS ARM BACK BRACES, HIGHWAY CROSS OVER BRACKET, CABLE EXTENSION ARMS, CABLE RINGS, TRUSS ARMS, STREET HOOD BRACKETS, MAST ARMS, SCROLLS, GROUND ROD CLAMPS, NUTS, FLAT, SPRING, ROUND CUSHION, SPRING LOCK, AND SQUARE WASHERS, POLE BANDS, CABLE SUSPENSION CLAMPS, POLE SEATS, CABLE RACKS, CABLE RACK EXTENSIONS, CABLE DUCT SHIELDS, CROSS ARM SADDLES, CROSS ARM REENFORCING PLATES, THIMBLES, THIMBLE ADAPTERS, CENTERING WASHERS, TRIANGLE ARMS, POLE TOP FIXTURES, BO-ARROW ARMS, DOUBLE ARMING SETS, WISHBONE ARMS, TRUSS ARM FITTINGS FOR WISHBONE STRUCTURES, HORN GAPS, STRAIN YOKES, SECONDARY POLE PLATES, PIPES, BUSHINGS, REDUCERS, POLE PULLEYS.

Claims use since Feb. 6, 1940.

Reg. No. 401,966. Registered June 22, 1943. CALUMET AND HECLA CONSOLIDATED COPPER COMPANY, Boston, Mass., a corporation of Michigan. Republished by registrant, present address Calumet, Mich.

BRASS TUBE COPPER

No claim is made to the words "Brass," "Copper," and "Tube," or to the representation of the goods, apart from the mark as shown.

FOR METAL TUBING, PLAIN AND FORMED.

Claims use since about July 1, 1939.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 107,210. Registered Nov. 16, 1915. THE STARK ROLLING MILL COMPANY, Canton, Ohio. Republished by Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey.

TONCAN

FOR RUST-RESISTING ANTI-CORROSIVE METAL.

Claims use since Dec. 1, 1908.

Reg. No. 129,232. Registered Jan. 27, 1920. UNITED AMERICAN METALS CORPORATION, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

AMERICAN MARINE

FOR BABBITT METAL.

Claims use since Mar. 17, 1919.

Reg. No. 134,454. Registered Aug. 31, 1920. UNITED AMERICAN METALS CORPORATION, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

SYRACUSE

FOR NON-FERROUS ALLOYS.

Claims use since about 1890.

Reg. No. 139,643. Registered Feb. 8, 1921. SYRACUSE SMELTING WORKS, Brooklyn, N. Y., a corporation of New York. Republished by registrant.



The representation of the goods is disclaimed apart from the mark as shown.

FOR BABBITT METAL.

Claims use since 1908.

Reg. No. 150,560. Registered Sept. 26, 1922. UNITED ALLOY STEEL CORPORATION, New York, N. Y., and Canton, Ohio. Republished by Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey.

ULOY

FOR STEEL, ALLOY STEEL, AND IRON AND STEEL BARS, AND SHEET BARS.

Claims use since October 1921.

Reg. No. 211,281. Registered Apr. 8, 1926. UNITED ALLOY STEEL CORPORATION, New York, N. Y., and Canton, Ohio. Republished by Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey.

ENDURO

FOR RUST-RESISTING ANTI-CORROSIVE METAL AND IRON AND STEEL BARS, SLABS, BILLETS, SHEETS, AND STRIPS.

Claims use since July 15, 1908.

Reg. No. 222,064. Registered Dec. 21, 1926. UNITED ALLOY STEEL CORPORATION, New York, N. Y., and Canton, Ohio, now Central Alloy Steel Corporation. Republished by Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey.

ENDURO

FOR RUST-RESISTING, ANTI-CORROSIVE METAL AND IRON AND STEEL BARS, SLABS, BILLETS, SHEETS, AND STRIPS.

Claims use since Sept. 1, 1925.

Reg. No. 248,922. Registered Nov. 6, 1928. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

>PROMAL<

FOR HEAT-TREATED FERROUS METALS.

Claims use since about May 1927.

Reg. No. 347,216. Registered June 22, 1937. INTERLAKE IRON CORPORATION, Chicago, Ill., a corporation of New York. Republished by registrant, present address Cleveland, Ohio.

MELTRITE

The drawing is lined for red.

FOR PIG IRON, IN THE FORM OF PIGS.

Claims use since Sept. 13, 1935.

Reg. No. 352,377. Registered Nov. 30, 1937. REPUBLIC STEEL CORPORATION, Cleveland, Ohio, a corporation of New Jersey. Republished by registrant.

REPUBLIC STEEL

The word "Steel" is disclaimed apart from the mark as shown.

FOR BESSEMER, OPEN HEARTH AND ELECTRIC FURNACE CARBON, ALLOY AND STAINLESS FERROUS METAL INGOTS, BLOOMS, BILLETS, AND SLABS; HOT AND COLD DRAWN AND HOT AND COLD ROLLED CARBON, ALLOY AND STAINLESS FERROUS BARS AND RODS OF VARIOUS CROSS-SECTIONAL SHAPES; HOT AND COLD ROLLED CARBON, ALLOY, STAINLESS, SILICON AND ELECTRICAL STRIP STEEL, STEEL SHEETS AND STEEL PLATES; RUST-RESISTANT AND NON-CORROSIVE FERROUS METALS IN THE FORM OF INGOTS, BLOOMS, BILLETS, SLABS, SHEETS, STRIPS, PLATES, BARS; DIE ROLLED BLANKS; RAILROAD-TRACK EQUIPMENT—NAMELY, TIE PLATES, TIE RODS, RAIL JOINT PLATES, AND GUARD RAILS; IRON WIRE, SPRING WIRE, COPPERED WIRE, GALVANIZED WIRE, STAINLESS WIRE, ANNEALED WIRE, AND DRAWN WIRE; PIG IRON; TIN PLATE; AND WELDING ROD.

Claims use since Mar. 24, 1936.

CLASS 15

OILS AND GREASES

Reg. No. 413,827. Registered May 15, 1945. SHELL OIL COMPANY, INCORPORATED, San Francisco, Calif., a corporation of Virginia. Republished by registrant.

ENSIS COMPOUND

The word "Compound" is disclaimed apart from the mark as shown.
FOR RUST AND CORROSION PREVENTIVE OILS.
Claims use since Mar. 27, 1944.

Reg. No. 415,056. Registered July 10, 1945. PANEF MANUFACTURING CO., Milwaukee, Wis. Republished by Panef Manufacturing Co., Inc., Milwaukee, Wis., a corporation of Wisconsin.

Lub-a-Spray

The word "Spray" is disclaimed apart from the mark as shown.
FOR POWDERED LUBRICANTS.
Claims use since Nov. 30, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 85,442. Registered Feb. 20, 1912. HOLZAPFELS LIMITED, Newcastle-upon-Tyne, England. Republished by International Paint Company, Inc., New York, N. Y., a corporation of New York.

HOLZAPFEL

FOR ANTI-CORROSIVE AND ANTI-FOULING PAINT, MIXED PAINT, AND ENAMEL PAINTS.
Claims use since May 1880.

Reg. No. 258,625. Registered July 0, 1929. HARRY E. STONE, doing business as American Lacquer Solvents Co., Norristown, Pa. Republished by American Lacquer Solvents Company, Phoenixville, Pa., a corporation of Pennsylvania.

SUPERSOL

FOR LACQUER SOLVENT.
Claims use since Sept. 10, 1928.

Reg. No. 262,661. Registered Oct. 22, 1929. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

GRANITEX

FOR PLASTIC PAINT.
Claims use since Mar. 20, 1929.

Reg. No. 295,062. Registered June 14, 1932. THE GRASON-STEWART CORPORATION, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Swift-On

FOR FLOOR, WOODWORK, AND FURNITURE POLISHES OF A LIQUID OR SEMI-LIQUID MATERIAL.
Claims use since July 1931.

Reg. No. 377,368. Registered Apr. 30, 1940. SHELL CHEMICAL COMPANY, San Francisco, Calif. Republished by Shell Chemical Corporation, New York, N. Y., a corporation of Delaware.

NEOSOL

FOR LACQUER THINNER, LACQUER SOLVENT, PAINT THINNER, AND PAINT SOLVENT.
Claims use since Nov. 13, 1939.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 71,941. Registered Dec. 22, 1908. GODFREY S. MAHN, New York, N. Y. Republished by Philip Morris & Co. Ltd. Incorporated, New York, N. Y., a corporation of Virginia.

BARKING DOG



SMOKING TOBACCO

NEVER BITES

FOR SMOKING TOBACCO.
Claims use since July 9, 1908.

Reg. No. 261,109. Registered Sept. 3, 1929. YAHN & MCDONNELL, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

MARCELLO

FOR CIGARS, CIGARROS, AND SMOKING TOBACCO.
Claims use since 1883.

CLASS 19

VEHICLES

Reg. No. 365,585. Registered Mar. 14, 1939. FORD MOTOR COMPANY, Dearborn, Mich., a corporation of Delaware. Republished by registrant.

MERCURY

FOR PASSENGER AND COMMERCIAL AUTOMOBILES.
Claims use since Aug. 1, 1938.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 89,945. Registered Jan. 21, 1913. OZONAIR LIMITED, Westminster, London, England, a corporation organized under the laws of Great Britain. Republished by registrant, present address London, England.

OZONAIR

FOR ELECTRICAL APPARATUS FOR PRODUCING AND UTILIZING ELECTPIC DISCHARGES, CONSISTING OF DYNAMO-ELECTRIC MACHINES, ELECTRIC-CURRENT CONVERTERS, ELECTRIC-CURRENT TRANSFORMERS, ELECTRIC ACCUMULATORS.
Claims use since 1905.

Reg. No. 156,652. Registered July 11, 1922. J. A. CRABTREE & CO. LIMITED, Birmingham, England, a limited company of Great Britain. Republished by registrant, present address Walsall, England.

CRAB

FOR ELECTRICAL SWITCH BOARDS, FLAT SWITCHES, FLUSH SWITCHES, BASE RINGS, SWITCH PLATE RINGS, AND INSULATORS OF PORCELAIN, AND EARTHENWARE INSULATORS.
Claims use since Apr. 17, 1919.

Reg. No. 185,662. Registered June 24, 1924. ALLEN-BRADLEY COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

A-B
Allen-Bradley

FOR COMPLETE AND INCOMPLETE BATTERY-CHARGING APPARATUS, ELECTRICAL CONTROL APPARATUS, ELECTRICAL INSTRUMENTS FOR VARYING THE POTENTIAL OF ELECTRIC CURRENTS, AND SWITCHES, GRID LEAKS, POTENTIOMETERS, CONDENSERS, AND RHEOSTATS FOR USE IN CONNECTION WITH WIRELESS APPARATUS.
Claims use since Oct. 1, 1923.

Reg. No. 195,724. Registered Mar. 3, 1925. LEO WISE, Cincinnati, Ohio. Republished by Leo's Stores, Inc., Cincinnati, Ohio, a corporation of Ohio.

LEO'S
HOLE in the WALL

FOR ELECTRICAL APPARATUS FOR AUTOMOBILES AND LIKE VEHICLES—NAMELY, ELECTRIC HEADLIGHTS, ELECTRIC LAMPS, BULBS, AND TORCHES, SPARK PLUGS, STORAGE BATTERIES, SWITCHES, BINDING POSTS, AND ELECTRIC LIGHTING AND MOTIVE SYSTEMS USED IN AUTOMOBILES AND LIKE VEHICLES.
Claims use since Nov. 18, 1920.

Reg. No. 276,768. Registered Oct. 28, 1930. THE FEDERAL GAUGE COMPANY, Chicago, Ill. Republished by The Mercoid Corporation, Chicago, Ill., a corporation of Delaware.



The words "Used the World Over" and "Control" are disclaimed apart from the mark as shown.
FOR ELECTRIC CONTROLS FOR ELECTRIC SWITCHES, TEMPERATURE-OPERATED ELECTRIC SWITCHES, PRESSURE-OPERATED ELECTRIC SWITCHES, AND PARTS THEREOF.
Claims use since on or about Mar. 5, 1930.

Reg. No. 403,020. Registered Aug. 31, 1943. GENERAL ELECTRIC COMPANY, Schenectady, N. Y., a corporation of New York. Republished by registrant.

THERMOCELL

FOR QUARTZ CRYSTAL ELECTRIC OSCILLATORS.
Claims use since about Dec. 18, 1936.

Reg. No. 411,608. Registered Jan. 23, 1945. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

BLUE DIAMOND

FOR GENERATORS, ELECTRIC MOTORS, DYNAMOTORS, INVERTED ROTARY CONVERTERS, MOTOR GENERATORS, GAS ENGINE DRIVEN ELECTRIC GENERATING PLANTS, WIND DRIVEN ELECTRIC GENERATING AND BATTERY CHARGING PLANTS, BATTERY CHARGING PLANTS AND ELECTRIC POWER PLANTS.
Claims use since July 1936.

Reg. No. 411,609. Registered Jan. 23, 1945. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

GOLD CROWN

FOR GENERATORS, ELECTRIC MOTORS, DYNAMOTORS, INVERTED ROTARY CONVERTERS, MOTOR GENERATORS, GAS ENGINE DRIVEN ELECTRIC GENERATING PLANTS, WIND DRIVEN ELECTRIC GENERATING AND BATTERY CHARGING PLANTS, BATTERY CHARGING PLANTS AND ELECTRIC POWER PLANTS.

Claims use since December 1936.

Reg. No. 432,065. Registered Aug. 19, 1947. ALLEN-BRADLEY COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

A-B

FOR APPARATUS FOR THE CONTROL OF ELECTRIC ENERGY AS USED IN INDUSTRY COMPRISING: SWITCHES, MANUAL AND AUTOMATIC; RESISTORS, FIXED AND VARIABLE TRANSFORMERS; MECHANICAL TIMING DEVICES OF THE SYNCHRONOUS MOTOR DRIVEN TYPE FOR CONTROLLING ELECTRIC MOTORS; AND PILOT CONTROL DEVICES OF THE MECHANICALLY OPERATED SWITCH TYPE FOR USE IN ELECTRIC MOTOR CONTROLLING EQUIPMENT.

Claims use since on or about June 28, 1925.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 343,782. Registered Mar. 2, 1937. SELCHOW & RIGHTER COMPANY, New York, N. Y. Republished by Selchow & Righter Company (1939), New York, N. Y., a corporation of New York.

CARGOES

FOR BOARD GAMES PLAYED WITH CARDS AND DICE.

Claims use since September 1935.

Reg. No. 439,437. Registered June 29, 1948. MAT MACGARGOR, New York, N. Y. Republished by registrant.

BEAUTY BOARD

The word "Board" is disclaimed apart from the mark as shown.

FOR SUPPORTING BOARD ADAPTED FOR USE IN EXERCISE OF THE HUMAN BODY.

Claims use since Jan. 2, 1942.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 137,790. Registered Dec. 7, 1920. GUARANTEE CONSTRUCTION COMPANY, New York, N. Y. Republished by Fuller Company, Catasauqua, Pa., a corporation of Delaware.

AIRVEYOR

FOR CONVEYERS FOR CONVEYING AND HANDLING MATERIALS.

Claims use since on or about Nov. 1, 1919.

Reg. No. 156,186. Registered June 20, 1922. BUSH, MIZE & SILLIMAN HARDWARE CO., Atchison, Kans., a corporation of Kansas. Republished by registrant.

BUSH MIZE & SILLIMAN HARDWARE CO. ATCHISON, KAN. U.S.A. "HAWK"

No claim is made to the exclusive use of the geographical term "Atchison, Kan.," apart from the mark as shown.

FOR SAWS, WOOD-SAW BLADES, AXES, HATCHETS, HAMMERS, BUTCHER KNIVES, GRAIN CORN KNIVES, RAZORS, SCYTHES, BITS, AUGERS, BIT BRACES, SCREW DRIVERS, WRENCHES, LAWN MOWERS, HOES, RAKES, SHOVELS, SCOOPS, SPADES, HAY FORKS, MANURE FORKS, AXE HANDLES, AND FORK HANDLES.

Claims use since Jan. 30, 1898.

Reg. No. 263,476. Registered Nov. 5, 1929. B. ALTMAN & CO., New York, N. Y., a corporation of New York. Republished by registrant.

B. Altman & Co.

FOR JEWELRY FOR PERSONAL WEAR AND DRESS WEAR NOT INCLUDING WATCHES; SILVER TABLEWARE AS FOLLOWS: KNIVES, FORKS, SPOONS, LADLES, SERVERS, TONGS, TEA AND COFFEE SETS, WATER PITCHERS, WATER GOBLETS, SHERBET GLASSES, BEVERAGE GLASSES, BERRY, SALAD, AND MAYONNAISE BOWLS, BREAD AND SERVING TRAYS, SANDWICH, SERVICE AND BREAD AND BUTTER PLATES, BON-BON DISHES, FLOWER VASES, FLOWER BASKETS, FLOWER CENTERPIECES, CANDLESTICKS, NAPKIN RINGS, TEA STRAINERS, SALT AND PEPPER SHAKERS, BEVERAGE SHAKERS, MEAT PLATTERS, GRAVY BOATS AND TRAYS, SUGAR AND CREAM SETS, VEGETABLE DISHES, CHOP DISHES, COMPOTIERS, EGG CUPS, TABLE BELLS, TEA BALLS, BABY CUPS, BOWLS AND PLATES; SILVER TOILET WARE AS FOLLOWS: MIRRORS, BRUSHES, COMBS, POWDER JARS, SALVE JARS, PERFUME BOTTLES, TRAYS, SHOEHORNS, BUTTON HOOKS, NAIL FILES, SCISSORS, PICTURE FRAMES, NAIL POLISHERS, AND HAIR RECEIVERS; STERLING SILVER NOVELTIES AS FOLLOWS: CIGAR AND CIGARETTE CASES, CIGARETTE BOXES, CIGARETTE HOLDERS, MATCH BOXES, POCKET FLASKS, ASH TRAYS, POCKETKNIVES, KEY RINGS, BILL CLIPS, POCKET COMBS, POCKET MIRRORS, POWDER CASES, AND PERFUME FLASKS.

Claims use since about 1889.

Reg. No. 256,793. Registered Sept. 1, 1931. LINK-BELT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

STRAIGHTLINE

FOR SEWAGE AND WATER SCREENS, PARTS AND ACCESSORIES, ACTIVATED SLUDGE PLANTS, SETTLING TANKS, SLUDGE GRIT AND SCUM COLLECTORS, SKIMMING TANKS, GRIT CHAMBERS AND GRIT WASHERS, AEREATORS, DRIVING AND CONTROLLING AND MECHANICAL ACCESSORIES EXCLUSIVE OF ELECTRIC MOTORS THEREFOR.

Claims use since about Dec. 1, 1929.

Reg. No. 378,284. Registered June 4, 1940. THE CARLYLE JOHNSON MACHINE COMPANY, Manchester, Conn., a corporation of Ohio. Republished by registrant.

MAXITORQ

FOR CLUTCHES FOR TRANSMITTING POWER FROM ONE MECHANISM TO ANOTHER.

Claims use since Nov. 11, 1939.

Reg. No. 403,821. Registered Oct. 19, 1943. THE UNITED SPECIALTIES COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

USC

FOR AIR CLEANERS AND DUST SEPARATORS IN ASSOCIATION WITH INTERNAL COMBUSTION ENGINES.

Claims use since June 1935.

Reg. No. 431,227. Registered July 15, 1947. GUSTIN-BACON MANUFACTURING COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

EXPAN-SEAL

The term "Seal" is disclaimed apart from the mark as shown.

FOR OIL WELL PUMP PLUNGERS.

Claims use since June 11, 1946.

Reg. No. 435,455. Registered Dec. 30, 1947. PARK CHEMICAL COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Parko

The drawing is lined for red.

FOR METAL PARTS CLEANING MACHINE.

Claims use since October 1945.

Reg. No. 439,383. Registered June 22, 1948. CIRCO PRODUCTS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

CIRCO CADET

FOR DEGREASERS—I. E., APPARATUS FOR CIRCULATING A SOLVENT AND/OR SOLVENT VAPOR OVER GREASE LADEN ARTICLES, AND MECHANISM FOR THE RECOVERY OF THE SOLVENT SO USED.

Claims use since Oct. 22, 1946.

Reg. No. 439,737. Registered July 20, 1948. LEWIS-SHEPARD PRODUCTS, INC., Watertown, Mass., a corporation of Delaware. Republished by registrant.



FOR MATERIALS-HANDLING EQUIPMENT ACTUATED HORIZONTALLY OR FOR LIFTING PURPOSES MANUALLY OR BY OR WITH THE AID OF MOUNTED POWER UNITS (INCLUDING MECHANICAL OR HYDRAULIC EQUIPMENT, GASOLINE ENGINES, ELECTRIC MOTORS, OR COMBINATION GASOLINE ENGINE-ELECTRIC GENERATOR UNITS)—NAMELY, LIFT TRUCKS, LIFTING DOLLIES, LIFTING FORK TRUCKS, LIFTING FORK AND TILT TRUCKS, LIFTING INDUSTRIAL POWER TRUCKS, LIFTERS, STACKERS, PORTABLE ELEVATORS AND DUMBWAITERS, PORTABLE CRANES, AUXILIARY CRANES, HOISTS, PILING MACHINES, AND TIERING MACHINES, TOGETHER WITH ACCESSORIES THERETO AND PARTS THEREFOR—NAMELY, CHAIN CONTROLS, TURNTABLES, CANTILEVER JACKS, WINCHES, HIGH-SPEED DRIVES, HINGES FOR HIGH-STACKING MACHINES, LADDERS FOR PERMANENT ATTACHMENT TO HIGH-STACKING MACHINES, HYDRAULIC RELEASES, SPRING BALANCE CYLINDERS, BROKEN CABLE SAFETY DEVICES, ROLLERS, CASTERS, FRAME SPLICES, CABLE CONTROL FLOOR STOPS, PLATFORM RETAINING BARS FOR STACKING MACHINES, DETACHABLE SKIDS, BARREL ROLLS, REMOVABLE ROLLERS, ROLLER PLATFORMS.

Claims use since June 1, 1944.

CLASS 27

FRAMES, NAIL POLISHERS, AND HAIR RECEIVERS; STERLING SILVER NOVELTIES AS FOLLOWS: CI-

CLASS 31

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 152,674. Registered Mar. 7, 1922. THE ATLANTIC STAMPING COMPANY, Rochester, N. Y., a corporation of New York. Republished by registrant.

ATLANTIC

FOR WASHTUBS AND WASH BOILERS.
Claims use since about Mar. 1, 1904.

CLASS 25

LOCKS AND SAFES

Reg. No. 218,153. Registered Sept. 21, 1926. MASTER LOCK COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.



FOR PADLOCKS, HASP LOCKS, AND DOOR GUARDS AND DOOR BOLTS.
Claims use since Sept. 1, 1923.

Reg. No. 230,811. Registered July 19, 1927. MASTER LOCK COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

MASTER

FOR LOCKS.
Claims use since about Sept. 1, 1922.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 129,029. Registered Jan. 20, 1920. MONROE CALCULATING MACHINE COMPANY, Orange, N. J. Republished by Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware.

MONROE

The drawing is lined to indicate the colors red and yellow.
FOR CALCULATING AND ADDING MACHINES.
Claims use since Mar. 1, 1913.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 409,177. Registered Sept. 19, 1944. GEORGE N. WALLACE, New York, N. Y. Republished by registrant.

C. L. Guinand

FOR WATCHES AND PARTS THEREOF.
Claims use since April 1884.

Reg. No. 436,082. Registered Jan. 20, 1948. THE LUX CLOCK MANUFACTURING COMPANY, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

Harvester

FOR CLOCKS, INCLUDING BOUDOIR, DESK, MANTEL, AND ALARM CLOCKS AND PARTS OF CLOCKS.
Claims use since about Mar. 15, 1939.

Reg. No. 436,083. Registered Jan. 20, 1948. THE LUX CLOCK MANUFACTURING COMPANY, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

Juliet

FOR CLOCKS, INCLUDING BOUDOIR, DESK, MANTEL, AND ALARM CLOCKS AND PARTS OF CLOCKS.
Claims use since about Dec. 15, 1937.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 263,476. Registered Nov. 5, 1929. B. ALTMAN & CO., New York, N. Y., a corporation of New York. Republished by registrant.

B. Altman & Co.

FOR JEWELRY FOR PERSONAL WEAR AND DRESS WEAR NOT INCLUDING WATCHES; SILVER TABLEWARE AS FOLLOWS: KNIVES, FORKS, SPOONS, LADLES, SERVERS, TONGS, TEA AND COFFEE SETS, WATER PITCHERS, WATER GOBLETS, SHERBET GLASSES, BEVERAGE GLASSES, BERRY, SALAD, AND MAYONNAISE BOWLS, BREAD AND SERVING TRAYS, SANDWICH, SERVICE AND BREAD AND BUTTER PLATES, BON-BON DISHES, FLOWER VASES, FLOWER BASKETS, FLOWER CENTERPIECES, CANDLESTICKS, NAPKIN RINGS, TEA STRAINERS, SALT AND PEPPER SHAKERS, BEVERAGE SHAKERS, MEAT PLATTERS, GRAVY BOATS AND TRAYS, SUGAR AND CREAM SETS, VEGETABLE DISHES, CHOP DISHES, COMPOTIERS, EGG CUPS, TABLE BELLS, TEA BALLS, BABY CUPS, BOWLS AND PLATES; SILVER TOILET WARE AS FOLLOWS: MIRRORS, BRUSHES, COMBS, POWDER JARS, SALVE JARS, PERFUME BOTTLES, TRAYS, SHOEHORNS, BUTTON HOOKS, NAIL FILES, SCISSORS, PICTURE FRAMES, NAIL POLISHERS, AND HAIR RECEIVERS; STERLING SILVER NOVELTIES AS FOLLOWS: CIGAR AND CIGARETTE CASES, CIGARETTE BOXES, CIGARETTE HOLDERS, MATCH BOXES, POCKET FLASKS, ASH TRAYS, POCKETKNIVES, KEY RINGS, BILL CLIPS, POCKET COMBS, POCKET MIRRORS, POWDER CASES, AND PERFUME FLASKS.
Claims use since about 1889.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 163,091. Registered Jan. 2, 1923. INDIANAPOLIS BRUSH & BROOM MFG. CO., Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

KONGO

FOR BROOMS.
Claims use since July 1920.

Reg. No. 233,620. Registered Oct. 4, 1927. SYLVAN M. EDISON, doing business as Edison Laboratories, Chicago, Ill. Republished by Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana.

Sanident

FOR DENTURE BRUSH.
Claims use since July 15, 1925.

Reg. No. 413,949. Registered May 22, 1945. PALMER COMPANY, INC., Waukesha, Wis., a corporation of Wisconsin. Republished by registrant.

THE *Guardian* LINE

The words "The" and "Line" are disclaimed apart from the mark as shown.
FOR FLOOR BRUSHES; WALL BRUSHES, YARN SWEEPERS IN THE NATURE OF A BROOM HAVING A SWEEPING HEAD MADE OF YARN COBDS; DUSTING BRUSHES; RADIATOR BRUSHES; TOILET AND CUSPIDOR BRUSHES; CLOSET BRUSHES; COUNTER DUSTERS; WHEEL AND SPOKE BRUSHES; WINDOW CLEANING BRUSHES; SCRUB BRUSHES, AND APPLICATORS AND POLISHERS FOR FLOOR TREATMENTS IN THE NATURE OF AN ELONGATED HANDLE HAVING A CLAMP FOR REMOVABLY RECEIVING FELT HEADS FOR APPLYING POLISH TO FLOORS AND FOR SHINING THE FLOORS AFTER THE POLISH HAS BEEN APPLIED.
Claims use since Jan. 1, 1944.

Reg. No. 415,185. Registered July 31, 1945. ADOLPHE DRABKIN, doing business as Le Vant Brush Co., Los Angeles, Calif. Republished by Le Vant Brush Co., Los Angeles, Calif., a corporation of California.

DENT-AID

The syllable "Dent" is disclaimed apart from the mark as shown.
FOR TOOTH-BRUSHES.
Claims use since about Feb. 1, 1938.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 439,454. Registered June 29, 1948. CULLIGAN ZEOLITE COMPANY, Northbrook, Ill., a corporation of Delaware. Republished by registrant.

CULLON

FOR WATER SOFTENING MATERIALS COMPOSED OF RESINOUS AND SYNTHETIC OEL ZEOLITES FOR USE IN WATER CONDITIONING EQUIPMENT.
Claims use since Dec. 1, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 301,220. Registered Feb. 21, 1933. ENGLANDER SPRING BED CO., Brooklyn, N. Y. Republished by The Englander Company, Inc., Chicago, Ill., a corporation of Delaware.

VICEROY

FOR MATTRESSES, BOX SPRINGS, AND COIL SPRINGS.
Claims use since July 5, 1932.

Reg. No. 433,865. Registered Nov. 4, 1947. SLEEPMASTER PRODUCTS COMPANY, INC., Newark, N. J., a corporation of New Jersey. Republished by registrant.

FOAMASTER

FOR MATTRESSES, BOX SPRINGS, PILLOWS, STUDIO COUCHES, SOFA BEDS, CUSHIONS FOR SEATS, BACKS, AND ARMS OF FURNITURE, GLIDING COUCH HAMMOCKS, SPONGE RUBBER AND SYNTHETIC RUBBER PRODUCTS USED AS FILLERS FOR THE FINISHED PRODUCTS AFORESAID, UPHOLSTERED ARM CHAIRS AND UPHOLSTERED SOFAS.
Claims use since June 8, 1945.

Reg. No. 438,737. Registered May 11, 1948. QUSTIN-BACON MANUFACTURING COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

Sanamire

FOR UPHOLSTERY PADDING MATERIAL AND MATTRESS FILLING.
Claims use since Apr. 17, 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 111,155. Registered July 4, 1916. AMERICAN DISTRICT STEAM COMPANY, North Tonawanda, N. Y., a corporation of New York. Republished by registrant.

AOSCO

FOR BOILERS, COOLING AND HEATING COILS, EXPANSION-VALVES FOR RADIATORS AND STEAM-TRAPS, RADIATORS, RADIATOR-VALVES, STEAM-TRAPS FOR STEAM-PRESSURE USAGE, STEAM-SEPARATORS, VARIATORS FOR PROVIDING FOR EXPANSION AND CONTRACTION OF PIPES, STEAM WATER-HEATERS, DAMPER-REGULATORS, STEAM-ACTUATED TEMPERATURE-REGULATORS AND FITTINGS FOR STEAM-HEATING SYSTEMS, ADJUSTABLE ANNULAR STEAM-PIPE WEDGES, ANCHORAGE AND ANCHOR SPECIALS TO HOLD STEAM PIPES AND FITTINGS AGAINST EXPANSION BY HEAT, STEAM-JOINT CLAMPS, PIPE-GUIDES FOR CENTERING PIPES IN CASINGS OF UNDERGROUND STEAM - MAINS, SLOTTED ANGLE - FLANGES, SLEEVES AND STRAINERS ESPECIALLY CONSTRUCTED FOR HEAVY-PRESSURE AND UNDERGROUND STEAM SYSTEMS, HOT, WATER-STORAGE TANKS, FOOT-VALVE STRAINERS FOR STEAM SYSTEMS, TUNNEL-FITTINGS, T's AND UNIONS SPECIALLY CONSTRUCTED FOR UNDERGROUND STEAM-MAINS, VALVE-CURBS AND VALVE-SHIELDS FOR UNDERGROUND STEAM-MAINS, SPECIALLY-CONSTRUCTED UNIONS AND UNION-ELBOWS, ANGLE-VALVES, GLOBE-VALVES, REDUCING-VALVES AND CONTROLLING-VALVES FOR USE IN CONNECTION WITH RADIATORS, BACK-PRESSURE VALVES FOR STEAM SYSTEMS, SPECIALLY - CONSTRUCTED HEAVY-PRESSURE GATE STEAM-VALVES; STEAM-PRESSURE REDUCING, REGULATING, RELIEF, AND SAFETY VALVES; PIPE-RECEIVERS FOR STEAM-HEATING SYSTEMS; SPECIALLY - CONSTRUCTED AND PRESSURE-TESTED BALL-JOINTS, BUSHINGS, BRANCH FITTINGS, COMPANION FLANGES, COUPLINGS, CROSSES, ELBOWS, COLLARS, ECCENTRIC FITTINGS, LATERALS, NIPPLES, UNIONS, PIPE, REDUCERS, PIPE-BENDS, PIPE-FITTINGS, BOTH FLANGED AND THREADED, CAST-IRON AND MALLEABLE, AND SPECIALLY ADAPTED FOR USE WITH HEAVY-PRESSURE AND UNDERGROUND STEAM-SERVICE, AND ECONOMY-COILS FOR REMOVING HEAT FROM THE WATER OF CONDENSATION IN STEAM-HEATING SYSTEMS.
Claims use since about April 1910.

Reg. No. 316,317. Registered Aug. 21, 1934. NORGE CORPORATION, Detroit, Mich. Republished by Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois.

BROILATOR

FOR COOKING STOVES ADAPTED FOR USE WITH GAS FUEL.
Claims use since on or about Sept. 5, 1933.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 284,265. Registered June 23, 1931. VICTOR MANUFACTURING & GASKET COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

VICTOR

FOR GASKETS AND PARTS THEREOF, SOFT METALLIC AND NONMETALLIC WASHERS; TREATED AND UNTREATED PAPER, SHEET CORK, COMPRESSED ASBESTOS SHEETS, ASBESTOS MILLBOARD SHEETS, FELT SHEETS AND STRIPS, SOFT-METAL SHEETS, AND STAMPINGS THEREFROM FOR MAKING SAID GASKETS AND WASHERS; SHIMS AND STRIP SHIM STOCK; PACKING AND SHEET MATERIAL FOR MAKING THE SAME FOR MACHINERY JOINTS AND JOINTS IN CONTAINERS AND CONVEYORS OF OASES, FLUIDS, AND SEMI-FLUIDS.
Claims use since on or about Nov. 5, 1909.

Reg. No. 438,541. Registered Apr. 27, 1948. RAYBESTOS-MANHATTAN, INC., Passaic, N. J., a corporation of New Jersey. Republished by registrant.

Ray-BOND

FOR FRICTION MATERIALS—NAMELY, BRAKE LININGS AND CLUTCH FACINGS.
Claims use since Mar. 15, 1947.

CLASS 37

PAPER AND STATIONERY

Reg. No. 117,849. Registered Aug. 7, 1917. FOX RIVER PAPER COMPANY, Appleton, Wis. Republished by Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin.

Old Faithful

FOR BOND-PAPER, BANK-NOTE PAPER, DOCUMENT-PAPER, WRITING-PAPER, PRINTING-PAPER, AND ENVELOPS.
Claims use since Jan. 1, 1916.

Reg. No. 120,091. Registered JAN. 8, 1918. FOX RIVER PAPER CO., Appleton, Wis. Republished by Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin.

Stratosphere

FOR WRITING PAPER.
Claims use since Aug. 17, 1917.

Reg. No. 120,092. Registered Jan. 8, 1918. FOX RIVER PAPER CO., Appleton, Wis. Republished by Fox River Paper Corporation, Appleton, Wis., a corporation of Wisconsin.

RIGHT-OF-WAY

FOR WRITING PAPER.
Claims use since Aug. 7, 1917.

Reg. No. 209,232. Registered Feb. 16, 1926. THE CLEVELAND LINEN & MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

LINERETTE

FOR PAPER IMPREGNATED OR COATED WITH MATERIALS OF NONSTICKING QUALITIES FOR HANDLING UNCURED RUBBER.
Claims use since about Mar. 1, 1925.

Reg. No. 225,171. Registered Mar. 15, 1927. NATIONAL BLANK BOOK CO., Holyoke, Mass. Republished by National Blank Book Company, Holyoke, Mass, a corporation of Massachusetts.

MOGUL

FOR LOOSE-LEAF STRUCTURES, AS RING BOOKS.
Claims use since Mar. 1, 1926.

Reg. No. 225,957. Registered Mar. 29, 1927. NATIONAL BLANK BOOK CO., Holyoke, Mass. Republished by National Blank Book Company, Holyoke, Mass, a corporation of Massachusetts.

Monarch

FOR LOOSE-LEAF STRUCTURES, AS RING BOOKS.
Claims use since Sept. 1, 1926.

Reg. No. 281,482. Registered Mar. 17, 1931. SITROUX IMPORTING CO., INC., New York and Brooklyn, N. Y. Republished by Sitroux, Inc., New York, N. Y., a corporation of New York.

Sitroux

FOR FACIAL AND WIPING TISSUES.
Claims use since July 8, 1927.

Reg. No. 311,124. Registered Mar. 13, 1934. A. P. W. PAPER COMPANY, INC., Albany, N. Y. Republished by A. P. W. Products Company, Inc., Albany, N. Y., a corporation of New York.

RED CROSS

FOR PAPER FOR TOILET PURPOSES—NAMELY, TOILET TISSUES AND PAPER TOWELS.
Claims use since 1897.

Reg. No. 317,998. Registered Oct. 9, 1934. NATIONAL BLANK BOOK COMPANY, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

TUMBLER

FOR BLANK BOOKS, PADS, SHORTHAND NOTE BOOKS, ORDER BOOKS, COMPOSITION BOOKS, BOOKS FOR BOOKKEEPING AND SPECIAL PURPOSE BLANK BOOKS.
Claims use since June 8, 1934.

Reg. No. 325,648. Registered July 2, 1935. HAMMERMILL PAPER COMPANY, Erie, Pa. Republished by F. W. Woolworth Co., New York, N. Y., a corporation of New York.

CRONICON

FOR BOND, WRITING, LEDGER, AND TABLET PAPER.
Claims use since Feb. 1, 1935.

Reg. No. 396,420. Registered July 14, 1942. THE PERSONAL PRODUCTS CORPORATION, Milltown, N. J. Republished by Personal Products Corporation, North Brunswick Township, N. J., a corporation of New Jersey.

Loress

FOR FACIAL TISSUES.
Claims use since June 25, 1941.

Reg. No. 436,000. Registered JAN. 20, 1948. NEWARK PARAFFINE & PARCHMENT PAPER CO., Newark, N. J., a corporation of New Jersey. Republished by registrant.

PARAFOIL

The word "Foil" is disclaimed apart from the mark as shown.
FOR WRAPPING PAPER.
Claims use since June 15, 1946.

CLASS 38
PRINTS AND PUBLICATIONS

Reg. No. 229,985. Registered July 12, 1927. SUN PRINTING AND PUBLISHING ASSOCIATION, New York, N. Y. Republished by The New York Sun, Inc., New York, N. Y., a corporation of New York.

The Sun
The Globe and Commercial Advertiser

FOR NAME OF A DAILY NEWSPAPER.
Claims use since 1833.

Reg. No. 245,807. Registered Aug. 21, 1928. THE LAWYERS CO-OPERATIVE PUBLISHING CO., Rochester, N. Y., a corporation of New York. Republished by registrant.

ABBOTT'S DIGEST

FOR SERIES OF NEW YORK LAW DIGESTS AND QUARTERLY SUPPLEMENTS.
Claims use since 1860.

Reg. No. 260,821. Registered Aug. 27, 1929. THE OPEN ROAD PUBLISHING COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

THE OPEN ROAD for BOYS

FOR MONTHLY MAGAZINES.
Claims use since Sept. 15, 1925.

Reg. No. 274,001. Registered Aug. 19, 1930. KING FEATURES SYNDICATE, INC., New York, N. Y. Republished by The Hearst Corporation, New York, N. Y., a corporation of Delaware.

THE FEATURE BLUE BOOK

FOR PUBLICATION ISSUED PERIODICALLY.
Claims use since Apr. 9, 1930.

Reg. No. 361,851. Registered Nov. 1, 1938. FLORISTS' PUBLISHING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FLORISTS' REVIEW

FOR WEEKLY PUBLICATIONS.
Claims use since about Jan. 1, 1933.

Reg. No. 408,860. Registered Aug. 29, 1944. THE CHRISTIAN SCIENCE PUBLISHING SOCIETY, Boston, Mass., a self-perpetuating trusteeship. Republished by registrant.

"I Record only the Sunny Hours"

FOR NEWSPAPER COLUMN.
Claims use since January 1925.

Reg. No. 408,862. Registered Aug. 29, 1944. THE CHRISTIAN SCIENCE PUBLISHING SOCIETY, Boston, Mass., a self-perpetuating trusteeship. Republished by registrant.

THE CHRISTIAN SCIENCE JOURNAL

FOR MONTHLY PUBLICATION.
Claims use since April 1885.

Reg. No. 413,113. Registered Apr. 10, 1945. THE CHRISTIAN SCIENCE PUBLISHING SOCIETY, Boston, Mass., a self-perpetuating trusteeship. Republished by registrant.

The Home Forum

FOR NEWSPAPER SECTION.
Claims use since December 1908.

Reg. No. 415,557. Registered Aug. 7, 1945. THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.

WASHINGTON INTERPRETER

The word "Washington" is disclaimed apart from the mark as shown.
FOR WEEKLY COLUMN OF A REGULARLY ISSUED DAILY NEWSPAPER.
Claims use since Aug. 17, 1944.

Reg. No. 431,439. Registered July 22, 1947. THE SOCIETY FOR THE PRESERVATION AND ENCOURAGEMENT OF BARBER SHOP QUARTET SINGING IN AMERICA, INC., Chicago, Ill., and Detroit, Mich., a corporation of Illinois. Republished by registrant, present address Detroit, Mich.

THE HARMONIZER

The letters of the word "Harmonizer" are lined in red.
FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since March 1943.

Reg. No. 432,435. Registered Sept. 2, 1947. THE SOCIETY FOR THE PRESERVATION AND ENCOURAGEMENT OF BARBER SHOP QUARTET SINGING IN AMERICA, INC., Chicago, Ill., and Detroit, Mich., a corporation of Illinois. Republished by registrant, present address Detroit, Mich.



The drawing is lined and hatched for the colors red, blue, and gold.
FOR MAGAZINES PUBLISHED PERIODICALLY, FOR PRINTED PROGRAMS, AND FOR PRINTED MUSICAL COMPOSITIONS.
Claims use since March 1944.

Reg. No. 440,486. Registered Sept. 7, 1948. MAAS & WALDSTEIN COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

The FINISHER'S Finish

FOR TECHNICAL DATA BULLETIN DISTRIBUTED TO THE PAINT, VARNISH, AND ENAMEL TRADE, CONTAINING DATA AND INSTRUCTIONS FOR IMPROVING THE TECHNIQUE OF COATING VARIOUS SURFACES, AND PUBLISHED FROM TIME TO TIME.
Claims use since June 7, 1946.

CLASS 39
CLOTHING

Reg. No. 01,959. Registered June 10, 1913. GOTHAM SILK MFG. CO., New York, N. Y. Republished by Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware.

GOLD STRIPE

FOR HOSIERY.
Claims use since February 1912.

Reg. No. 176,268. Registered Nov. 20, 1923. THE CROFUT & KNAPP CO., South Norwalk, Conn. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.



FOR HATS OF FELT, STRAW, AND CLOTH FOR MEN AND WOMEN.
Claims use since Feb. 1, 1906.

Reg. No. 238,820. Registered Feb. 14, 1928. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo., a corporation of New York. Republished by registrant.

Elysian

FOR HOSIERY AND KNITTED UNDERWEAR FOR MEN, WOMEN, AND CHILDREN.
Claims use since Aug. 1, 1927.

Reg. No. 248,694. Registered Oct. 30, 1928. TYSON SHIRT COMPANY, Norristown, Pa., a corporation of Pennsylvania. Republished by registrant.

MELOSPUN

The word "Spun" is disclaimed apart from the mark as shown.
FOR MEN'S AND BOYS' NEGLIGEE, DRESS, AND WORK SHIRTS; PAJAMAS, NIGHTSHIRTS, MEN'S AND BOYS' TEXTILE UNDERWEAR; MEN'S AND BOYS' COATS, PANTS, AND VESTS.
Claims use since Mar. 1, 1927.

Reg. No. 248,695. Registered Oct. 30, 1928. TYSON SHIRT COMPANY, Norristown, Pa., a corporation of Pennsylvania. Republished by registrant.

SUPERSPUN

The word "Spun" is disclaimed apart from the mark as shown.
FOR MEN'S AND BOYS' WORK, DRESS, AND NEGLIGEE SHIRTS; PAJAMAS, NIGHTSHIRTS, LADIES' WAISTS, MEN'S AND BOYS' TEXTILE UNDERWEAR, MEN'S AND BOYS' SUITS OF TWO AND THREE PIECES.
Claims use since Mar. 1, 1927.

Reg. No. 258,386. Registered July 9, 1929. QUAKER HOSIERY COMPANY, INC., Philadelphia, Pa. Republished by Quaker Lace Company, Philadelphia, Pa., a corporation of Pennsylvania.

Fanchon

FOR HOSIERY.
Claims use since April 1925.

Reg. No. 274,806. Registered Sept. 9, 1930. QUAKER HOSIERY COMPANY, INC., Philadelphia, Pa. Republished by Quaker Lace Company, Philadelphia, Pa., a corporation of Pennsylvania.

Dultex

FOR HOSIERY.
Claims use since Nov. 12, 1929.

Reg. No. 304,399. Registered July 4, 1933. QUAKER HOSIERY COMPANY, INC., Philadelphia, Pa. Republished by Quaker Lace Company, Philadelphia, Pa., a corporation of Pennsylvania.

QUAKER

FOR HOSIERY.
Claims use since February 1901.

Reg. No. 308,462. Registered Dec. 5, 1933. ADOLPH ARONS & SONS, Jersey City, N. J. Republished by Adolph Arons & Sons, Inc., Jersey City, N. J., a corporation of New Jersey.

Manchester

The words "Quality" and "Mancheater" are disclaimed apart from the mark as shown.
FOR MEN'S SUITS, OVERCOATS, TOPCOATS, TUXEDOS, DRESS-SUITS.
Claims use since June 1, 1933.

Reg. No. 316,873. Registered Sept. 4, 1934. IRELAND Bros., Johnstown, N. Y., a firm. Republished by registrant.

KIDTEXT

FOR MEN'S, WOMEN'S, AND CHILDREN'S GLOVES, OF LEATHER AND/OR FABRICS.
Claims use since on or about Aug. 1, 1932.

Reg. No. 330,391. Registered Dec. 3, 1935. THE HAWIE MANUFACTURING CO., Bridgeport, Conn., a corporation of Connecticut. Republished by registrant.

So-Lo Grip

The word "Grip" is disclaimed apart from the mark as shown.
FOR HOSE SUPPORTERS.
Claims use since May 1, 1935.

Reg. No. 348,012. Registered July 13, 1937. WELL MADE BLOOMER CO., INC., Brooklyn, N. Y. Republished by Well Made Bloomer Co., Brooklyn, N. Y., a partnership.

Marco Polo

FOR SPORT SHIRTS.
Claims use since Feb. 1, 1936.

Reg. No. 366,382. Registered Apr. 11, 1939. HANES HOSIERY MILLS COMPANY, INC., Winston-Salem, N. C. Republished by Northmont Hosiery Corporation, Reading, Pa., a corporation of Pennsylvania.

Orchid

FOR HOSIERY.
Claims use since Oct. 14, 1932.

Reg. No. 367,201. Registered May 9, 1939. IDOL ASSOCIATED MILLS INCORPORATED, New York, N. Y. Republished by Idol Inc., New York, N. Y., a corporation of New York.

idol

FOR BRASSIÈRES, CORSETS, GIRDLES, HOSIERY, AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND NECKTIES FOR MEN.
Claims use since May 24, 1933.

Reg. No. 369,901. Registered Aug. 8, 1939. BUTLER BROTHERS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

LITTLE MAJESTY

FOR INFANTS' WEAR—NAMELY, BANDS, BERETS, BIBS, BINDERS, BLOOMERS, BOBBY SUITS, BONNETS, BOOTEES, BUNTINGS, CAPES, CAPS, DRESSES,

CHRISTENING SETS, COAT AND HAT SETS, COATS, COVERALLS, CREEPERS, DIAPERS, FLANNELETTES, GARTERS, GERTRUDES, GOWNS, HOSE, HOSPITAL JACKETS, KIMONOS, LAP PADS, LEGGING SETS, LONGIES, MITTENS, OVERALLS, PAJAMAS, PANTIES, PILCHERS, PLAY SUITS, BATH ROBES, RUBBER DIAPERS, RUBBER PANTS, SACQUES, SHOES, SHOULDERETTES, SLEEPING GARMENTS, SLIPS, SNOW SUITS, BOYS' SUITS, SWEATERS, UNDERWEAR, AND VESTS.
Claims use since Sept. 24, 1938.

Reg. No. 370,926. Registered Sept. 12, 1939. QUAKER HOSIERY COMPANY, INC., Philadelphia, Pa. Republished by Quaker Lace Company, Philadelphia, Pa., a corporation of Pennsylvania.

Legs are young in QUAKER Stockings

The word "Stockings" is disclaimed apart from the mark as shown.
FOR HOSIERY.
Claims use since May 15, 1937.

Reg. No. 370,960. Registered Sept. 12, 1939. QUAKER HOSIERY COMPANY, INC., Philadelphia, Pa. Republished by Quaker Lace Company, Philadelphia, Pa., a corporation of Pennsylvania.

YOUTH TOP

The word "Top" is disclaimed apart from the mark as shown.
FOR HOSIERY.
Claims use since Apr. 4, 1939.

Reg. No. 390,395. Registered Sept. 23, 1941. GLOBE NOVELTY HOUSE, New York, N. Y. Republished by Globe Novelty House, Inc., New York, N. Y., a corporation of New York.

ROYAL London

FOR MEN'S GARTERS, SUSPENDERS, AND BELTS IN THE NATURE OF GARMENT SUPPORTERS.
Claims use since Jan. 2, 1940.

Reg. No. 397,957. Registered Sept. 29, 1942. NORTHMONT HOSIERY CORPORATION, Reading, Pa., a corporation of Pennsylvania. Republished by registrant.

FOR HOSIERY.
Claims use since the month of May 1938.

Reg. No. 403,473. Registered Sept. 28, 1943. LORD JEFF KNITTING COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

Lord Jeff

FOR SWEATERS FOR MEN, WOMEN, BOYS, AND GIRLS, MUFFLERS, WRISTLETS, SOCKS, AND COTTON BASQUE SHIRTS.
Claims use since January 1932.

Reg. No. 403,474. Registered Sept. 28, 1943. LORD JEFF KNITTING COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

Woolhara

The word "Wool" is disclaimed apart from the mark as shown.
FOR SWEATERS FOR MEN, WOMEN, BOYS AND GIRLS, MUFFLERS AND WRISTLETS.
Claims use since January 1938.

Reg. No. 409,004. Registered Sept. 12, 1944. LORD JEFF KNITTING COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

Jeffson by LORD JEFF

FOR SWEATERS FOR MEN, WOMEN, BOYS, AND GIRLS, MUFFLERS, AND COTTON BASQUE SHIRTS.
Claims use since November 1941.

Reg. No. 427,148. Registered Jan. 28, 1947. LORD JEFF KNITTING COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

Little Jeff

FOR SWEATERS FOR MEN, WOMEN, BOYS, AND GIRLS, MUFFLERS, AND COTTON BASQUE SHIRTS.
Claims use since January 1941.

Reg. No. 430,047. Registered Jnne 17, 1947. CARR MANUFACTURING COMPANY, San Antonio, Tex., a firm. Republished by registrant.

Carrcraft

FOR LADIES' AND GIRLS' SPORTSWEAR—NAMELY, SUITS, COATS, AND SLACK SUITS.
Claims use since Jan. 5, 1945.

Reg. No. 435,285. Registered Dec. 16, 1947. JORDAN MANUFACTURING CORP., New York, N. Y., a corporation of New York. Repnblished by registrant.

Sea Nymph

FOR BATHING SUITS.
Claims use since July 23, 1946.

Reg. No. 438,389. Registered Apr. 20. 1948. THE H. C. GODMAN COMPANY, Columbus, Ohio, a corporation of Obio. Republished by registrant.

KINK-A-CHU

The drawing is lined for gold.
FOR BOOTS AND SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since about Dec. 13. 1945.

Reg. No. 439,098. Registered June 1, 1948. JNO. W. HENSON & SONS, Greenville, Tex., a firm. Republished by registrant.

DIXILON

FOR LADIES' AND MISSES' HOUSECOATS, PLAYSUITS, AND HANDKERCHIEFS.
Claims use since Feb. 20, 1946.

Reg. No. 439,738. Registered July 20, 1948. GREENSPOON CLOTHING CO., INC., St. Louis, Mo., now by change of name The Greenspoon Company. Republished by The Greenspoon Company, St. Louis, Mo., a corporation of Missouri.

STYLECREST

FOR WOMEN'S COATS AND SPORT COATS.
Claims use since Sept. 1, 1939.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 263,476. Registered Nov. 5, 1929. B. ALTMAN & Co., New York, N. Y., a corporation of New York. Republished by registrant.

B. Altman & Co.

FOR JEWELRY FOR PERSONAL WEAR AND DRESS WEAR NOT INCLUDING WATCHES; SILVER TABLEWARE AS FOLLOWS: KNIVES, FORKS, SPOONS, LADLES, SERVERS, TONGS, TEA AND COFFEE SETS, WATER PITCHERS, WATER GOBLETS, SHERBET GLASSES, BEVERAGE GLASSES, BERRY, SALAD, AND MAYONNAISE BOWLS, BREAD AND SERVING TRAYS, SANDWICH, SERVICE AND BREAD AND BUTTER PLATES, BON-BON DISHES, FLOWER VASES, FLOWER BASKETS, FLOWER CENTERPIECES, CANDLESTICKS, NAPKIN RINGS, TEA STRAINERS, SALT AND PEPPER SHAKERS, BEVERAGE SHAKERS, MEAT PLATTERS, GRAVY BOATS AND TRAYS, SUGAR AND CREAM SETS, VEGETABLE DISHES, CHOP DISHES, COMPOTIERS, EGG CUPS, TABLE BELLS, TEA BALLS, BABY CUPS, BOWLS AND PLATES; SILVER TOILET WARE AS FOLLOWS: MIRRORS, BRUSHES, COMBS, POWDER JARS, SALVE JARS, PERFUME BOTTLES, TRAYS, SHOEHORNS, BUTTON HOOKS, NAIL FILES, SCISSORS, PICTURE FRAMES, NAIL POLISHERS, AND HAIR RECEIVERS; STERLING SILVER NOVELTIES AS FOLLOWS: CIGAR AND CIGARETTE CASES, CIGARETTE BOXES, CIGARETTE HOLDERS, MATCH BOXES, POCKET FLASKS, ASH TRAYS, POCKETKNIVES, KEY RINGS, BILL CLIPS, POCKET COMBS, POCKET MIRRORS, POWDER CASES, AND PERFUME FLASKS.
Claims use since about 1889.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Reg. No. 258,520. Registered July 9, 1929. KNOX HAT COMPANY, INC., New York, N. Y. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

MOVEO ET PROFICIO
KNOX

FOR CANES, PARASOLS, AND UMBRELLAS.
Claims use since about 1913.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 150,746. Registered Jan. 10, 1922. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

GULF STREAM

FOR BLEACHED, UNBLEACHED, DYED, STRIPED, AND PRINTED COTTON DUCKS AND DRILLS; AWNING STRIPES; BLEACHED, UNBLEACHED, DYED, STRIPED, AND PRINTED MUSLINS AND CALICOES; FILTER CLOTHS MADE OF COTTON, LINEN, WOOL, AND SILK; COTTONADES, AND COTTON DAMASK IN THE PIECE.
Claims use since April 1901.

Reg. No. 153,446. Registered Mar. 21, 1922. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Republished by Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey.

Oriona

FOR WOOLEN PIECE GOODS.
Claims use since Sept. 15, 1921.

Reg. No. 178,058. Registered Jan. 8, 1924. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Republished by Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey.

Silvana

FOR WOOLEN PIECE GOODS.
Claims use since July 1, 1923.

Reg. No. 178,241. Registered Jan. 8, 1924. THE ROBERTSON BLEACHERY & DYE WORKS, INCORPORATED, New Milford, Conn., a corporation of Connecticut. Republished by registrant.

GLOWSETTE

FOR COTTON PIECE GOODS.
Claims use since on or about July 3, 1923.

Reg. No. 178,242. Registered Jan. 8, 1924. THE ROBERTSON BLEACHERY & DYE WORKS, INCORPORATED, New Milford, Conn., a corporation of Connecticut. Republished by registrant.

GLORIELLE

FOR COTTON PIECE GOODS.
Claims use since on or about June 1, 1923.

Reg. No. 189,106. Registered Sept. 9, 1924. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

SICILIAN

FOR AWNING STRIPES AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATIONS OF COTTON AND LINEN.
Claims use since Jan. 1, 1891.

Reg. No. 192,022. Registered Nov. 25, 1924. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

JB&Co

FOR AWNING STRIPES AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATIONS OF COTTON AND LINEN.
Claims use since Jan. 1, 1902.

Reg. No. 196,923. Registered Mar. 31, 1925. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

NEAPOLITAN

FOR AWNING STRIPES AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATIONS OF COTTON AND LINEN.
Claims use since Jan. 1, 1885.

Reg. No. 199,363. Registered June 9, 1925. DAVID ROTHSCHILD & Co., Columbus, Ga. Republished by

Reg. No. 270,556. Registered May 6, 1930. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Republished by Forstmann Woolen Company, Passaic, N. J., a corpora-

Reg. No. 319,468. Registered Nov. 27, 1934. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

Reg. No. 438,929. Registered May 18, 1948. BELVEDERE FABRICS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Reg. No. 199,363. Registered June 9, 1925. DAVID ROTHSCHILD & Co., Columbus, Ga. Republished by David Rothschild Company, Columbus, Ga., a corporation of Georgia.

TRUESTYLE FABRICS

The word "Fabrics" is disclaimed apart from the mark as shown.
FOR COTTON, WOOLEN, LINEN, AND SILK PIECE FABRICS.
Claims use since Feb. 15, 1924.

Reg. No. 200,501. Registered July 7, 1925. DAVID ROTHSCHILD & Co., Columbus, Ga. Republished by David Rothschild Company, Columbus, Ga., a corporation of Georgia.

TRUFAST FABRICS

The term "Fabrics" is disclaimed apart from the mark as shown.
FOR COTTON, WOOLEN, LINEN, AND SILK PIECE FABRICS.
Claims use since Feb. 15, 1924.

Reg. No. 201,497. Registered July 28, 1925. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Republished by Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey.

Mirroleen

FOR WOOLEN PIECE GOODS.
Claims use since Mar. 2, 1925.

Reg. No. 220,532. Registered Nov. 9, 1926. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

BEACHLAWN

FOR AWNING STRIPES AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATIONS OF COTTON AND LINEN.
Claims use since Oct. 1, 1925.

Reg. No. 267,413. Registered Feb. 18, 1930. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

JAYBEECO

FOR COTTON DUCK AND FILTER CLOTH IN THE PIECE.
Claims use since Oct. 8, 1929.

Reg. No. 270,556. Registered May 6, 1930. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Republished by Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey.

Vio Crepe

The word "Crepe" is disclaimed apart from the mark as shown.
FOR WOOLEN PIECE GOODS.
Claims use since Oct. 15, 1929.

Reg. No. 276,062. Registered Oct. 7, 1930. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Republished by Forstmann Woolen Company, Passaic, N. J., a corporation of New Jersey.

ORIELLA

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 15, 1930.

Reg. No. 299,630. Registered Dec. 13, 1932. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

BOYLE'S

FOR UNBLEACHED, BLEACHED, DYED, AND COLORED COTTON DUCKS AND DRILLS, AWNING STRIPE AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATION OF COTTON AND LINEN IN THE PIECE.
Claims use since 1882.

Reg. No. 306,396. Registered Sept. 19, 1933. QUAKER LACE COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

"SHADEMENT CLOTH"

The word "Cloth" is disclaimed apart from the mark as shown.
FOR LACE FABRIC IN THE PIECE FOR LACE CURTAINS.
Claims use since Oct. 1, 1932.

Reg. No. 306,417. Registered Sept. 19, 1933. QUAKER LACE COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

CORDU NET

The word "Net" is disclaimed apart from the mark as shown.
FOR LACE CURTAINS AND LACE FABRIC IN THE PIECE FOR LACE CURTAINS.
Claims use since Jan. 21, 1933.

Reg. No. 319,468. Registered Nov. 27, 1934. JOHN BOYLE & COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

EQUALO

FOR UNBLEACHED, BLEACHED, DYED, AND COLORED COTTON DUCKS AND DRILLS, AWNING STRIPE AND TICKING MADE OF COTTON, LINEN, COTTON DAMASK, AND COMBINATION OF COTTON AND LINEN IN THE PIECE.
Claims use since June 18, 1934.

Reg. No. 334,415. Registered May 5, 1936. PLOTTEL BROTHERS, New York, N. Y. Republished by Plottel Brothers, Inc., New York, N. Y., a corporation of New York.

HELIO

FOR WATERPROOFED TEXTILE FABRICS.
Claims use since January 1934.

Reg. No. 355,444. Registered Mar. 15, 1938. V'SOSKE SHOPS, Grand Rapids, Mich. Republished by V'Soske, Inc., Grand Rapids, Mich., a corporation of Michigan.

V'SOSKE

FOR RUGS.
Claims use since Aug. 2, 1937.

Reg. No. 376,190. Registered Mar. 12, 1940. JOHN S. BROWN & SONS, LIMITED, Belfast, Northern Ireland, a corporation of Great Britain. Republished by registrant.

COLLEEN

FOR COTTON PIECE GOODS.
Claims use since 1910.

Reg. No. 393,797. Registered Mar. 3, 1942. FORSTMANN WOOLEN COMPANY, Passaic, N. J., a corporation of New Jersey. Republished by registrant.

Milanette

FOR WOOLEN PIECE GOODS.
Claims use since Mar. 1, 1921.

Reg. No. 436,929. Registered May 18, 1948. BELVEDERE FABRICS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SunSpot

FOR PIECE GOODS MADE OF COTTON, WOOL, RAYON, AND SILK, AND MIXTURES THEREOF.
Claims use since in or about the month of December 1945.

Reg. No. 440,230. Registered Aug. 17, 1948. GANTNER & MATTERN COMPANY, San Francisco, Calif., a corporation of California. Republished by registrant.

gantron

FOR FLUORESCENT FABRICS OF SILK AND SYNTHETIC FIBERS IN COMBINATION WITH COTTON AND/OR WOOL, THE SILK OR SYNTHETIC FIBERS BEING TREATED TO MAKE THEM FLUORESCENT, SOLD BY THE YARD AND BY WEIGHT.
Claims use since Feb. 24, 1947.

Reg. No. 440,637. Registered Sept. 14, 1948. LIPPITT WORSTED MILLS, INC., Woonsocket, R. I., a corporation of Rhode Island. Republished by registrant.

Lippitt

FOR PIECE GOODS OF WOOL, SILK, RAYON, AND COMBINATIONS THEREOF.
Claims use since Apr. 1, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 239,539. Registered Mar. 6, 1928. THE MAY DEPARTMENT STORES COMPANY, St. Louis, Mo., a corporation of New York. Republished by registrant.

MAYNAPS

FOR SANITARY NAPKINS.
Claims use since about August 1924.

Reg. No. 429,474. Registered Apr. 20, 1947. ORTHO PHARMACEUTICAL CORPORATION, Linden, N. J., a corporation of New Jersey. Republished by registrant, present address Raritan, N. J.

Ortho

FOR DIAPHRAGM INTRODUCERS.
Claims use since Apr. 5, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 438,808. Registered May 18, 1948. GEORGE WOLFF, San Francisco, Calif. Republished by registrant.

"ZIL"

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since July 6, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

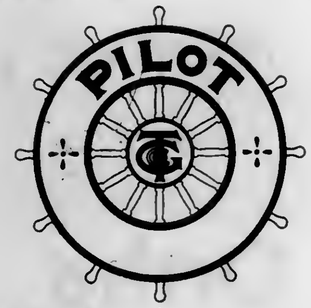
Reg. No. 76,314. Registered Jan. 4, 1910. TACOMA GRAIN COMPANY, Tacoma, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.

BALLOON



FOR WHEAT FLOUR.
Claims use since Dec. 1, 1905.

Reg. No. 78,836. Registered July 12, 1910. TACOMA GRAIN COMPANY, Tacoma, Wash. Republished by Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington.



FOR WHEAT FLOUR.
Claims use since 1904.

Reg. No. 82,602. Registered July 11, 1911. B. HELLER & COMPANY, Chicago, Ill. Republished by B. Heller & Company, Chicago, Ill., a corporation of Illinois.

SNOW

FOR POWDER FOR USE IN MAKING ICE CREAM AND ICES.
Claims use since February 1907.

Reg. No. 94,365. Registered Dec. 2, 1913. THE FRANK PURE FOOD CO., Milwaukee, Wis. Republished by B. Heller & Company, Chicago, Ill., a corporation of Illinois.

JELL-JELL

FOR GELATIN PREPARATION IN POWDERED FORM.
Claims use since about Aug. 1, 1911.

Reg. No. 107,230. Registered Nov. 16, 1915. ABRAHAM & STRAUS, Brooklyn, N. Y. Republished by Abraham & Straus, Inc., Brooklyn, N. Y., a corporation of New York.

MONTAUK

FOR CANNED AND BOTTLED FRUITS AND VEGETABLES, TEA AND COFFEE, MAPLE-SYRUP, JAM AND JELLIES, AND WHEAT-FLOUR.
Claims use since January 1895.

Reg. No. 107,878. Registered Jan. 4, 1916. CHAMPION ANIMAL FOOD COMPANY, St. Paul, Minn. Republished by Champion Animal Food Co., Minneapolis, Minn., a corporation of Minnesota.



The representation of a dog-biscuit is disclaimed apart from the mark as shown.
FOR DOG-BISCUITS.
Claims use since Jan. 1, 1914.

Reg. No. 123,380. Registered Oct. 20, 1918. OMAHA FLOUR MILLS CO., Omaha, Nebr. Republished by Omar Incorporated, Omaha, Nebr., a corporation of Delaware.



FOR WHEAT FLOUR.
Claims use since June 5, 1918.

Reg. No. 129,038. Registered Jan. 20, 1920. OMAHA FLOUR MILLS CO., Omaha, Nebr. Republished by Omar Incorporated, Omaha, Nebr., a corporation of Delaware.

Quality Street

FOR WHEAT FLOUR.
Claims use since Apr. 29, 1919.

Reg. No. 129,039. Registered Jan. 20, 1920. OMAHA FLOUR MILLS CO., Omaha, Nebr. Republished by Omar Incorporated, Omaha, Nebr., a corporation of Delaware.

ABSORBER

FOR WHEAT FLOUR.
Claims use since Jan. 13, 1919.

Reg. No. 129,040. Registered Jan. 20, 1920. OMAHA FLOUR MILLS CO., Omaha, Nebr. Republished by Omar Incorporated, Omaha, Nebr., a corporation of Delaware.

NITRO

FOR WHEAT FLOUR.
Claims use since Apr. 26, 1919.

Reg. No. 130,220. Registered Apr. 13, 1920. OMAHA FLOUR MILLS CO., Omaha, Nebr. Republished by Omar Incorporated, Omaha, Nebr., a corporation of Delaware.

RAMO

FOR WHEAT FLOUR.
Claims use since Apr. 26, 1919.

Reg. No. 134,048. Registered Aug. 10, 1920. OMAHA FLOUR MILLS CO., Omaha, Nebr. Republished by Omar Incorporated, Omaha, Nebr., a corporation of Delaware.

HALO

FOR WHEAT-FLOUR.
Claims use since Apr. 21, 1919.

Reg. No. 134,049. Registered Aug. 10, 1920. OMAHA FLOUR MILLS CO., Omaha, Nebr. Republished by Omar Incorporated, Omaha, Nebr., a corporation of Delaware.



FOR WHEAT-FLOUR.
Claims use since Aug. 11, 1919.

Reg. No. 134,423. Registered Aug. 31, 1920. OMAHA FLOUR MILLS CO., Omaha, Nebr. Republished by Omar Incorporated, Omaha, Nebr., a corporation of Delaware.



The lining indicates the color red.
FOR WHEAT-FLOUR.
Claims use since Oct. 1, 1919.

Reg. No. 145,614. Registered Aug. 10, 1921. BRADAS & GHEENS, Louisville, Ky. Republished by Bradas & Gheens, Inc., Louisville, Ky., a corporation of Kentucky.

Nightingale

FOR CHOCOLATES.
Claims use since June 1890.

Reg. No. 157,730. Registered Aug. 15, 1922. OMAHA FLOUR MILLS CO., Omaha, Nebr. Republished by Omar Incorporated, Omaha, Nebr., a corporation of Delaware.



FOR WHEAT FLOUR.
Claims use since June 10, 1921.

Reg. No. 177,241. Registered Dec. 11, 1923. SHOTWELL MFG. CO., Chicago, Ill. Republished by The Cracker Jack Co., Chicago, Ill., a corporation of Illinois.



FOR CANDIES OF VARIOUS SORTS—NAMELY, POP-CORN CANDY.
Claims use since Apr. 2, 1903.

Reg. No. 218,073. Registered Sept. 21, 1926. FILLMORE PACKING CO., doing business as Fillmore Citrus Packing Co., Fillmore, Calif. Republished by Fillmore Citrus Association, Fillmore, Calif., a corporation of California.

Poinsettia

FOR FRESH CITRUS FRUITS—NAMELY, FRESH ORANGES AND GRAPEFRUIT.
Claims use since 1901.

Reg. No. 220,331. Registered Nov. 9, 1926. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

HELLER'S
VAN-BOUQUET

FOR FLAVORING COMPOUND.
Claims use since July 1, 1921.

Reg. No. 225,033. Registered Mar. 8, 1927. RODDENBERY BROS., Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., doing business under the name of Roddenbery Brothers, Cairo, Ga., a corporation of Georgia.

GAME COCK

FOR TABLE SYRUP.
Claims use since July 7, 1926.

Reg. No. 232,967. Registered Sept. 20, 1927. OMAHA FLOUR MILLS CO., Omaha, Nebr. Republished by Omar Incorporated, Omaha, Nebr., a corporation of Delaware.

Fly-Test

FOR WHEAT FLOUR.
Claims use since Aug. 1, 1925.

Reg. No. 235,260. Registered Nov. 15, 1927. ABRAHAM & STRAUS, INC., New York, N. Y., a a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

MONTAUK

FOR CANDY.
Claims use since about 1906.

Reg. No. 238,178. Registered Jan. 31, 1928. EVANS-BURTNETT COMPANY, Harrisburg, Pa. Republished by Harrisburg Grocery Company, Harrisburg, Pa., a corporation of Pennsylvania.



The background for the trade-mark is dark blue; the words "Penn-Harris" are in white letters; the map of Pennsylvania is green; the large panel at the right is white; the panel beneath it red; and the word "Harrisburg" and the rectangular panel crossing the map are also red; all border lines and the rivers on the map are gold color. No claim is made to the words "Penn-Harris" or "Harrisburg" except in the precise relation and association in which the same appear herein.
FOR CANNED VEGETABLES.
Claims use since July 15, 1926.

Reg. No. 247,019. Registered Sept. 18, 1928. TEAGUE-MCKEVETT COMPANY, Santa Paula, Calif. Republished by Teague-McKevett Association, Santa Paula, Calif., a corporation of California.



FOR FRESH CITRUS FRUITS—NAMELY, LEMONS.
Claims use since Jan. 1, 1914.

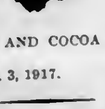
Reg. No. 248,203. Registered Oct. 16, 1928. THE GREENE-BABCOCK CO., Cleveland, Ohio, assignor to The Grocers-Producers Company, Cleveland, Ohio, a corporation of Delaware. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.

CLOVER FARM

FOR BUTTER, OLEOMARGARINE, EGGS, PASTRY FLOUR, AND BREAD.
Claims use since 1882.

Reg. No. 250,673. Registered Dec. 11, 1928. GUITTARD CHOCOLATE CO., San Francisco, Calif., a corporation of California. Republished by registrant.

EBONY



FOR CHOCOLATE AND COCOA AND CHOCOLATE COATING.
Claims use since Jan. 3, 1917.

Reg. No. 252,210. Registered Jan. 29, 1929. SAN DIMAS ORANGE GROWERS ASSOCIATION, San Dimas, Calif., a corporation of California. Republished by registrant.

Grizzly Giant

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES.
Claims use since Jan. 1, 1910.

Reg. No. 264,161. Registered Nov. 19, 1929. SPEAS MANUFACTURING CO., Kansas City, Mo. Republished by Speas Company, Kansas City, Mo., a corporation of Missouri.

U-SAVIT

FOR VINEGAR.
Claims use since Sept. 24, 1928.

Reg. No. 271,355. Registered June 3, 1930. SAN DIMAS ORANGE GROWERS ASSOCIATION, San Dimas, Calif., a corporation of California. Republished by registrant.

OUR EMBLEM

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since Jan. 2, 1915.

Reg. No. 276,227. Registered Oct. 14, 1930. RODDENBERY BROTHERS, Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., doing business under the name of Roddenbery Brothers, Cairo, Ga., a corporation of Georgia.

COOKIE

FOR MOLASSES.
Claims use since Apr. 21, 1930.

Reg. No. 280,892. Registered Mar. 3, 1931. C. A. CARLSON COMPANY, Chicago, Ill. Republished by The Swedish Produce Company, Chicago, Ill., a corporation of Illinois.

BOND-OST

The word "Ost" is disclaimed apart from the mark as shown.
FOR CHEESE.
Claims use since September 1910.

Reg. No. 292,883. Registered Mar. 29, 1932. OMAHA FLOUR MILLS COMPANY, Omaha, Nebr. Republished by Omar Incorporated, Omaha, Nebr., a corporation of Delaware.



FOR POULTRY FEEDS AND STOCK FEEDS.
Claims use since Oct. 1, 1928.

Reg. No. 304,714. Registered July 18, 1933. PEDRICK LABORATORIES INC., Tulsa and Sand Springs, Okla. Republished by C. Pedrick, Tulsa, Okla.



The word "Vigo" is disclaimed apart from the mark as shown.
FOR CANNED DOG FOOD.
Claims use since Feb. 1, 1930.

Reg. No. 311,433. Registered Mar. 20, 1934. OMAHA FLOUR MILLS COMPANY, Omaha, Nebr. Republished by Omar Incorporated, Omaha, Nebr., a corporation of Delaware.



The words "Vitamin," "Food," and "Guard Health and Vitality with Vitamins B and G" are disclaimed apart from the mark as shown.
FOR WHEAT BREAKFAST CEREAL.
Claims use since Apr. 4, 1931.

Reg. No. 322,718. Registered Mar. 19, 1935. EARL V. WISE, doing business as Wise Delicatessen Company, Berwick, Pa. Republished by Wise Potato Chip Co., Berwick, Pa., a corporation of Pennsylvania.



WISE'S

The name "Wise'a" is disclaimed apart from the mark as shown.
FOR POTATO CHIPS.
Claims use since Sept. 10, 1934.

Reg. No. 326,421. Registered July 23, 1935. EARL V. WISE, doing business as The Wise Delicatessen Company, Berwick, Pa. Republished by Wise Potato Chip Co., Berwick, Pa., a corporation of Pennsylvania.



The words "Potato Chips" are disclaimed apart from the mark as shown.
FOR POTATO CHIPS.
Claims use since January 1935.

Reg. No. 327,911. Registered Sept. 10, 1935. EARL V. WISE, doing business as Wise Delicatessen Company, Berwick, Pa. Republished by Wise Potato Chip Co., Berwick, Pa., a corporation of Pennsylvania.



FOR POTATO CHIPS.
Claims use since January 1933.

Reg. No. 334,000. Registered Apr. 14, 1936. EARL V. WISE, doing business as Wise Delicatessen Company, Berwick, Pa. Republished by Wise Potato Chip Co., Berwick, Pa., a corporation of Pennsylvania.

DIAMOND PACK

The word "Pack" is disclaimed apart from the mark as shown.
FOR POTATO CHIPS.
Claims use since Sept. 19, 1934.

Reg. No. 338,046. Registered Aug. 25, 1936. SUNNY HILLS RANCH, INC., doing business as Sunny Hills Citrus Assn., Fullerton, Calif. Republished by Eadington Fruit Co., Fullerton, Calif., a corporation of California.

ESTEEM

FOR FRESH CITRUS FRUIT.
Claims use since Apr. 14, 1936.

Reg. No. 339,173. Registered Sept. 29, 1936. LOVETT & KIRK, INC., doing business as C. D. Kirk & Company, San Benito, Tex. Republished by C. D. Kirk & Company, San Benito, Tex., a partnership.



The drawing is lined for red.
FOR FRESH CITRUS FRUITS.
Claims use since October 1930.

Reg. No. 339,174. Registered Sept. 29, 1936. LOVETT & KIRK, INC., doing business as C. D. Kirk & Company, San Benito, Tex. Republished by C. D. Kirk & Company, San Benito, Tex., a partnership.



The drawing is lined for blue.
FOR FRESH CITRUS FRUITS.
Claims use since October 1930.

Reg. No. 345,905. Registered May 11, 1937. CAIRO PICKLE COMPANY, Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., doing business as Cairo Pickle Company, Cairo, Ga., a corporation of Georgia.

Cairo Beauties

FOR PICKLES, PEANUT BUTTER, PICKLE RELISH, AND TABLE SYRUP.
Claims use since Aug. 26, 1936.

Reg. No. 346,157. Registered May 18, 1937. RODDENBERY BROTHERS, Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., doing business as Roddenbery Brothers, Cairo, Ga., a corporation of Georgia.

GEORGIA MAID

FOR PICKLES, PEANUT BUTTER, PICKLE RELISH, AND TABLE SYRUP.
Claims use since Apr. 5, 1921.

Reg. No. 364,527. Registered Feb. 7, 1939. FRED GLASER, doing business as Glaser's Provisions, Omaha, Nebr. Republished by Glaser's Provisions Co., Inc., Omaha, Nebr., a corporation of Delaware.



The term "Missouri Valley" and the word "Brand" are disclaimed apart from the mark as shown.
FOR MEATS, PARTICULARLY BOILED HAM, SAUSAGES, AND MEAT LOAVES.
Claims use since Dec. 1, 1937.

Reg. No. 365,634. Registered Mar. 21, 1939. W. B. RODDENBERY CO., Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., doing business as The Honey Sweet Company, Cairo, Ga., a corporation of Georgia.

HONEY SWEET



The words "Honey Sweet" are disclaimed apart from the mark as shown.
FOR TABLE SYRUP, PICKLES, AND PEANUT BUTTER.
Claims use since June 5, 1926.

Reg. No. 367,493. Registered May 16, 1939. ROB ROY CANNING COMPANY, Glendale, Calif., a firm. Republished by registrant.

LIGHT TOWER

FOR CANNED FRUITS, CANNED VEGETABLES, AND CANNED HOMINY.
Claims use since July 1932.

Reg. No. 369,014. Registered July 11, 1939. NASH-FINCH COMPANY, Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

OUR FAMILY

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED FRUIT JUICE FOR FOOD PURPOSES, CANNED CORN, CANNED SPAGHETTI, CANNED CO-COANUT, CANNED TUNA FISH, CANNED OYSTERS, CANNED SHRIMP, CANNED SARDINES, CANNED SALMON, CANNED SOUP, CANNED PORK AND BEANS, CANNED HOMINY, NOODLES, SPAGHETTI, VERMICELLI, MACARONI, TAPIOCA, TEA, SPICES, MUSTARD, VINEGAR, CATSUP, COCOA, EVAPORATED MILK, GELATINE DESSERT, SALAD DRESSING, OLIVES, PICKLES, JAM, APPLE BUTTER, PEANUT BUTTER, FRUIT PRESERVES, MARMALADE, CANE AND MAPLE SYRUP, FOOD FLAVORING EXTRACTS, MINCE MEAT, SELF-RISING PANCAKE FLOUR, CRACKERS, AND BREAKFAST CEREALS.
Claims use since January 1904.

Reg. No. 383,934. Registered Dec. 31, 1940. HARRISBURG GROCERY COMPANY, Harrisburg, Pa. Republished by Harrisburg Grocery Company, Harrisburg, Pa., a corporation of Pennsylvania.

STATE HOUSE

FOR CANNED VEGETABLES.
Claims use since 1927.

Reg. No. 391,406. Registered Nov. 4, 1941. OMAR INCORPORATED, Omaha, Nebr., a corporation of Delaware. Republished by registrant.

HORSE 'N BUGGY

FOR PREPARED PANCAKE FLOUR.
Claims use since about June 11, 1941.

Reg. No. 392,526. Registered Dec. 30, 1941. OMAR INCORPORATED, Omaha, Nebr., a corporation of Delaware. Republished by registrant.

OMAR



FOR CORN MEAL, RYE FLOUR, AND PREPARED PANCAKE FLOUR.
Claims use since about Oct. 18, 1928.

Reg. No. 394,174. Registered Mar. 24, 1942. OMAR INCORPORATED, Omaha, Nebr., a corporation of Delaware. Republished by registrant.

MOUNTAIN SPRING

FOR WHEAT FLOUR.
Claims use since July 20, 1941.

Reg. No. 397,309. Registered Sept. 1, 1942. H. EARL DELAPP, Waseca, Minn. Republished by registrant, present address Cherokee, Iowa.

THE FARMADE WAY

No claim is made to the word "Farmade" as a phonetic misspelling of "Farm Made" apart from the mark as shown.
FOR CATTLE FEED AND POULTRY FEED.
Claims use since Sept. 15, 1940.

Reg. No. 402,870. Registered Aug. 17, 1943. EXETER ORCHARDS ASSOCIATION, Exeter, Calif., a corporation of California. Republished by registrant.



FOR FRESH CITRUS FRUITS.
Claims use since Dec. 1, 1942.

Reg. No. 403,468. Registered Sept. 28, 1943. EXETER ORCHARDS ASSOCIATION, Exeter, Calif., a corporation of California. Republished by registrant.

Air Chief

FOR FRESH CITRUS FRUITS.
Claims use since Sept. 29, 1942.

Reg. No. 412,359. Registered Mar. 6, 1945. D. GOLDENBERG, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Whippet

FOR CANDY.
Claims use since Aug. 31, 1934.

Reg. No. 418,005. Registered Nov. 27, 1945. EXETER ORCHARDS ASSOCIATION, Exeter, Calif., a corporation of California. Republished by registrant.



FOR FRESH CITRUS FRUITS.
Claims use since Sept. 29, 1942.

Reg. No. 432,377. Registered Sept. 9, 1947. MAY WAY FEED MILLS, INC., Kansas City, Mo. Republished by Pay Way Feed Mills, Inc., Kansas City, Mo., a corporation of Missouri.



The word "Feeds" is disclaimed apart from the mark as shown.
FOR LIVESTOCK AND POULTRY FEEDS—NAMELY, CHICK, TURKEY, AND LIVESTOCK FEED AND FEED SUPPLEMENTS COMPRISING PRINCIPALLY A MIXTURE OF GRAIN MASH AND MINERALS.
Claims use since Aug. 11, 1945.

Reg. No. 433,670. Registered Oct. 28, 1947. GORTON-PEW FISHERIES COMPANY, LTD., Gloucester, Mass., a corporation of Massachusetts. Republished by registrant.

GOLD SEAL

FOR SMOKED BLOATERS, SMOKED HERRING, SALT CODFISH, SALT MACKEREL, AND PREPARED SALT FISH WHETHER BONELESS OR IN BRICK FORM.
Claims use since Sept. 25, 1893.

Reg. No. 436,256. Registered Jan. 27, 1948. U. S. ALFALFA PRODUCTS CORPORATION, Verdon and Lexington, Nebr., a corporation of Nebraska. Republished by registrant.

PAST-UR-LIKE

FOR LIVESTOCK AND POULTRY FEEDS—NAMELY, SUN DRIED AND ARTIFICIALLY DEHYDRATED ALFALFA, CLOVER, CEREAL GRASSES, BUCKWHEAT, KUDZU, LESPEDEZA, RAMIE, MAIZE, CORN, KAFFIR CORN, LEMON GRASS, SUGAR CANE STOCKS, CACTUS, BEET TOPS, SWEET POTATOES AND THEIR VINES, PEANUT VINES, PEA VINES, CITRUS FRUIT PEELS IN CHOPPED FORM FOR CATTLE, HOGS, HORSES, SHEEP, CHICKENS, DUCKS, TURKEYS, GUINEAS, AND THE LIKE.
Claims use since Mar. 10, 1947.

Reg. No. 438,540. Registered Apr. 27, 1948. SECURITY MILLS, INC., Knoxville, Tenn., a corporation of Tennessee. Republished by registrant.

SECURITY



FOR DOG FOOD.
Claims use since April 1942.

Reg. No. 440,726. Registered Sept. 21, 1948. THE C. CALLAHAN COMPANY, La Fayette, Ind., a corporation of Indiana. Republished by registrant.

RED PLUME

FOR CANNED FOODS — NAMELY, PORK AND BEANS, SAUER KRAUT, AND PREPARED SPAGHETTI; TEA, SPICES, CATSUP, CHILI SAUCE, TABLE SYRUP, AND VINEGAR.
Claims use since 1903.

CLASS 47

WINES

Reg. No. 304,706. Registered July 18, 1933. VVE. GEORGE GOULET & CIE, Reims, France. Republished by Societe a Responsabilite Limitee Champagne George Goulet, Reims, France, a corporation of the Republic of France.

GEORGE GOULET REIMS
GEORGE GOULET
CHAMPAGNE
George Goulet Reims

FOR CHAMPAGNE AND WINES.
Claims use since about 1871.

Reg. No. 311,410. Registered Mar. 20, 1934. T. G. BRIGHT & CO. LIMITED, Stamford, Ontario, Canada, a company incorporated under the laws of the Province of Ontario of the Dominion of Canada. Republished by registrant.

NIAGARA FALLS WINE CO.
Hermit Port
BOTTLED BY THE PROPRIETORS
T. G. BRIGHT & CO. LTD., NIAGARA FALLS
ESTABLISHED 1874

No claim is made to the representation of a label per se and/or to the words "Port," "Bottled by the Proprietors," and "Niagara Falls" apart from the mark as shown.
FOR WINE.
Claims use since 1911.

Reg. No. 326,816. Registered Aug. 6, 1935. WIDMER'S WINE CELLARS, INC., Naples, N. Y., a corporation of New York. Republished by registrant.

VINE CITY

The drawing is lined for red.
FOR WINES AS FOLLOWS: BURGUNDY, CLARET, DRY SAUTERNE, HAUTE SAUTERNE, MUSCATEL, PORT, SHERRY, SWEET CATAWBA, TOKAY.
Claims use since Feb. 1, 1935.

Reg. No. 433,474. Registered Oct. 14, 1947. INGLENOOK VINEYARD CO., Sonoma and Rutherford, Calif., assignor to Buena Vista Vineyards. Republished by Buena Vista Vineyards, Sonoma, Calif., a copartnership.

Convivial

FOR WINES.
Claims use since 1885.

Reg. No. 433,475. Registered Oct. 14, 1947. INGLENOOK VINEYARD CO., Rutherford and Sonoma, Calif., assignor to Buena Vista Vineyards. Republished by Buena Vista Vineyards, Sonoma, Calif., a copartnership.

HARASZTHY

FOR WINES.
Claims use since 1857.

Reg. No. 438,515. Registered Apr. 27, 1948. INGLENOOK VINEYARD CO., Rutherford, Calif, assignor to Buena Vista Vineyards, Sonoma, Calif., a copartnership composed of Frank H. Bartholomew and Antonia P. Bartholomew. Republished by Buena Vista Vineyards, Sonoma, Calif., a copartnership.

Buena Vista

FOR WINES.
Claims use since 1863.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 317,362. Registered Sept. 25, 1934. LIEBMANN BREWERIES, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Liebmann

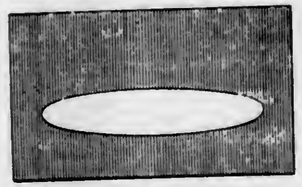
FOR MALT BEVERAGES.
Claims use since about 1854.

Reg. No. 325,004. Registered June 11, 1935. LIEBMANN BREWERIES, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

LB

FOR BEER.
Claims use since Apr. 7, 1933.

Reg. No. 381,444. Registered Sept. 24, 1940. LIEBMANN BREWERIES, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.



FOR MALT BEVERAGES—NAMELY, BEER, PORTER, AND ALE.
Claims use since Dec. 19, 1939.

Reg. No. 400,666. Registered Mar. 23, 1943. LIEBMANN BREWERIES, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.



McSORLEY'S

FOR ALE.
Claims use since at least Sept. 25, 1935.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 98,888. Registered Aug. 4, 1914. DAVID NICHOLSON GROCER COMPANY, St. Louis, Mo. Republished by Peter Hauptmann Tobacco Company, St. Louis, Mo., a corporation of Missouri.

FOR STRAIGHT WHISKY, BLENDED WHISKY, STRAIGHT RYE WHISKY, BLENDED RYE WHISKY, WHISKY, BRANDY, APPLE BRANDY, PEACH BRANDY, DRY GIN, COGNAC, COGNAC AND BLACKBERRY, BLACKBERRY AND BRANDY, RUM, GIN, ARRACK.
Claims use since Jan. 1, 1867.

Reg. No. 99,351. Registered Aug. 25, 1914. DAVID NICHOLSON GROCER COMPANY, St. Louis, Mo. Republished by Peter Hauptmann Tobacco Company, St. Louis, Mo., a corporation of Missouri.

1843

FOR BLENDED AND RYE WHISKY, DRY GIN AND SLOE-GIN, AND ROCK AND RYE.
Claims use since October 1905.

Reg. No. 234,589. Registered Nov. 1, 1927. CORNING DISTILLING CO., Peoria, Ill. Republished by Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware.

CORONET

FOR GIN.
Claims use since 1899.

Reg. No. 440,089. Registered Aug. 10, 1948. JULIAN & TROWER LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.



FOR WHISKY.
Claims use since September 1942.

Reg. No. 441,002. Registered Oct. 12, 1948. JACK DANIEL DISTILLERY, LEM MOTLOW, PROP., INC., Lynchburg, Tenn., a corporation of Tennessee. Republished by registrant.

JACK DANIEL'S

FOR WHISKEY.
Claims use since 1875.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 334,143. Registered Apr. 21, 1936. COOK, WATKINS & PATCH, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

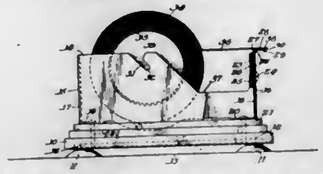
TECHNA CRAFT

FOR GRANITE MONUMENTS.
Claims use since May 1, 1934.

REISSUES

JUNE 28, 1949

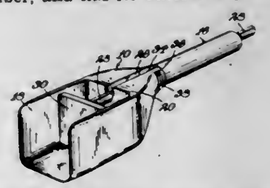
23,129
TAPE DISPENSER
John A. Borden, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Original No. 2,221,213, dated November 12, 1940, Serial No. 93,661, July 31, 1936. Application for reissue February 3, 1949, Serial No. 74,281
Renewed September 9, 1939
5 Claims. (Cl. 164—84.5)



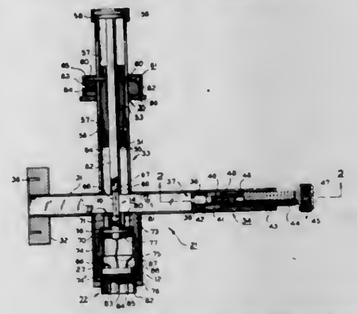
5. A device for dispensing tape coated with a pressure-sensitive adhesive comprising means for rotatably supporting a roll of said pressure-sensitive adhesive tape, a member fixed to said roll supporting means and comprising a smooth hard surface to which said tape will lightly and detachably adhere by reason of its pressure-sensitive coating when brought into contact therewith, said surface extending away from said roll supporting means and terminating in a severing edge, the area of said smooth surface being such as to provide adherence of the tape thereto with sufficient firmness to support and retain the end of the tape and prevent accidental displacement thereof under normal conditions of usage, said severing edge being so disposed that when the tape is moved toward it, said tape will first contact said smooth hard surface and on slight further movement will contact said severing edge, said severing edge being closely adjacent to said smooth hard surface so that the tape is retained by the latter against side-wise slippage during the severing of a strip of tape on said severing edge, there being a free space between said tape engaging surface and said roll in a manner permitting the portion of tape extending from said roll to said surface to be grasped with the fingers for detachment from said surface for withdrawal of a portion of said tape from said roll thereof.

23,130
SPOON, SHOVEL, OR THE LIKE IMPLEMENT WITH A PUSHER MEMBER
Arthur William Tanner, Aldershot, England
Original No. 2,435,805, dated February 10, 1948, Serial No. 648,358, February 18, 1946. Application for reissue May 6, 1949, Serial No. 91,855. In Great Britain February 27, 1945
3 Claims. (Cl. 30—128)

1. An implement of the character described comprising a hollow handle member, and a bowl carried thereby, which handle member has a lateral opening extending from end to end thereof, in combination with a pusher member movable in the bowl in the direction of its length, and an operating rod that has one end portion attached to the pusher member, extends through the handle member, and has its other end portion situated outside the handle member, which pusher member and operating rod are removable from the implement by movement in a direction transverse to the length thereof.



23,131
TUNED MICROWAVE WATTMETER
Hugh E. Webber, Huntington, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Original No. 2,419,613, dated April 29, 1947, Serial No. 514,111, December 13, 1943. Application for reissue April 29, 1947, Serial No. 750,841
12 Claims. (Cl. 178—44)



1. In a microwave wattmeter, in combination, a rectangular hollow wave guide adapted to receive microwave energy at one end and having an adjustable position closure at the other end, and a barretter mounting assembly intermediate the ends of said wave guide, said mounting assembly including a concentric adjustable tuning stub line laterally extending in one direction from the wave guide and a connector assembly laterally extending in the opposite direction from said wave guide with a barretter unit mounted between said stub line and the connector assembly, said stub line including a center conductor with a connection socket for the barretter unit in the end thereof and said connector assembly including a second connection socket for said barretter unit insulated from the wave guide.

PLANT PATENTS

GRANTED JUNE 28, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

848
JUNIPER TREE
Scott Wilmore, Wheatridge, Colo.
Application August 22, 1947, Serial No. 770,068
1 Claim. (Cl. 47—59)

A new and distinct variety of Juniper tree, characterized as to novelty by its silver-gray color, and the habit of this coloring of growing more brilliant during the winter season, particularly increasing such brilliancy the more it is exposed to the sun; by the density of its whipcord foliage even in young growths; by its slow growing habit to average height; and by the natural pyramidal shape of the tree without shearing, substantially as shown and described.

849
ROSE PLANT
Josephine D. Brownell, Little Compton, R. I.
Application April 22, 1946, Serial No. 663,872
1 Claim. (Cl. 47—61)

The hardy hybrid *Rosa wichuraiana* hybrid tea rose plant variety herein disclosed, characterized by its resistance to winter injury, its mild pleasing fragrance, its leaflets of a brilliant green, with form and color substantially as described and shown, and its flower being of Red to Pink shades with Yellow overlay.

850
ROSE PLANT
Alfred Krebs, Montebello, Calif., assignor to Howard & Smith, Montebello, Calif.
Application December 17, 1947, Serial No. 792,237
1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant, substantially as herein shown and described, characterized particularly by its strong, compact growth; its large, well-branched bloom trusses; its continuous production of large quantities of flowers; and its flower of white petals with highly contrasting chocolate colored anthers supported by red filaments.

851
POLYANTHA ROSE PLANT
Carl George Duehrsen, Montebello, Calif., assignor to Howard & Smith, Montebello, Calif.
Application December 17, 1947, Serial No. 792,262
1 Claim. (Cl. 47—61)

The new and distinct variety of polyantha rose plant of the Mme. C. Brunner type, substantially as herein shown and described, characterized particularly by its erect growth; its long canes; its long pointed bud; and its deep pink flowers of good petalage and excellent keeping qualities.

PATENTS

GRANTED JUNE 28, 1949

2,474,206
PRODUCTION OF VINYL CHLORIDE
Willem Leendert Johannes de Nie, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 21, 1947, Serial No. 762,535. In the Netherlands October 5, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 5, 1963
5 Claims. (Cl. 260—656)

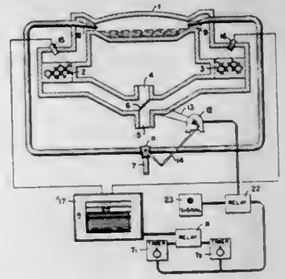
4. The process for the production of vinyl chloride which comprises subjecting ethylene dichloride to pyrolyzing conditions effecting the pyrolysis of ethylene dichloride to vinyl chloride and hydrogen chloride, combining at least a part of said pyrolysis products with acetylene and subjecting the resulting mixture to hydrochlorinating conditions effecting the interaction of acetylene with hydrogen chloride with the formation of vinyl chloride.

2,474,207
ESPECIALLY REACTIVE LIME AND METHOD OF PRODUCING IT
Wheeler G. Lovell, Verle A. Miller, Maurice J. Mulligan, and Hart K. Lichtenwainer, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application July 23, 1945, Serial No. 606,710
4 Claims. (Cl. 23—186)

1. The method of producing an especially reactive lime which includes heating calcium hydroxide at low effective temperature under controlled conditions to remove most but not all of the water of constitution therefrom, the heating being discontinued when the product contains calcium hydroxide within the range of about 10% to 20%.

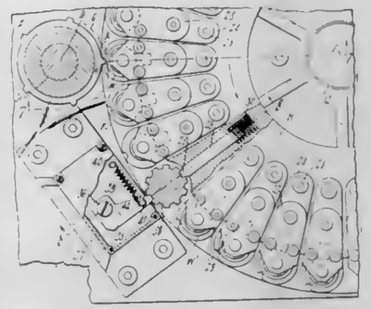
2,474,208
CONTROL INSTRUMENT
Joseph P. Vollrath, Glenside, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 25, 1944, Serial No. 537,343
5 Claims. (Cl. 236—15)

1. In a regenerative furnace reversal control system for a furnace having two ends, each of which has a regenerative checker brickwork connected therewith through which combustion air is supplied and the products of combustion are withdrawn and a means to direct alternately the combustion air through the checkers, a radiation pyrometer responsive to the temperature of each checker, a control instrument, means to connect differentially said pyrometers to said instrument, a pair of timers, means operated by said instrument upon the attainment of a predetermined positive potential by said pyrometers to energize one timer, means operated by said instrument upon the attainment of a predetermined negative potential to energize the other timer, means operated by each timer to initiate immediately the reversal of said furnace in one direction, and means operated by each timer if the other timer has not in the meantime been



energized to initiate the reversal of said furnace in the opposite direction.

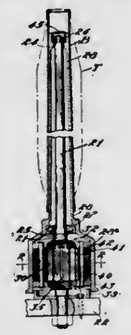
2,474,209
METHOD AND MACHINE FOR GENERATING SPLINES AND THE LIKE
James L. Williamson, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application February 18, 1944, Serial No. 522,852
11 Claims. (Cl. 90—7)



1. The method of generating splines and the like in shafts without formation of fillets at the roots of the splines or undesired rounding of their outer extremities, which comprise effecting relative cutting traverse between a work piece and a cutting tool, having a tooth with a cutting edge conjugate to the contour to be generated in the work piece, revolving the work piece about an axis at one side of its own axis and causing any given element of the work piece to remain in fixed

angular relation to a line between the work piece and the axis of revolution while the work piece passes the cutter, and simultaneously rotating the cutter so that the said tooth is revolved in an orbit which is transverse to the directions of such reciprocation and intersects the orbit in which a portion of the work piece is revolved about the before mentioned axis.

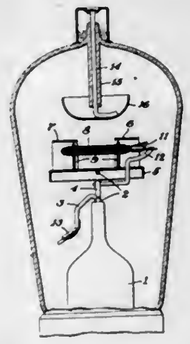
2,474,210
BOBBIN HOLDER FOR SPINNING AND TWISTING FRAMES
Edward James Abbott, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application December 10, 1947, Serial No. 790,868
11 Claims. (Cl. 57—100)



1. A rotatable bobbin holder for spinning and twisting frames comprising a spindle adapted to be secured at its bottom to a base, a sleeve rotatable around the upper portion of the spindle, said sleeve being adapted for reception of a bobbin placed thereon over the end of the sleeve, spaced bearings on the spindle acting to position the sleeve with relation to the spindle, and a motor for rotating said sleeve around said spindle comprising a stationary electric winding disposed around the lower portion of the spindle, below the lower one of said bearings, said spindle extending through the interior of said winding, and an annular rotor connected to the lower portion of said sleeve and surrounding said stationary winding.

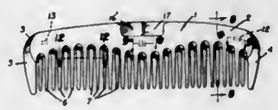
2,474,211
ELECTRON DISCHARGE DEVICE
Raymond Richard Back, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 20, 1947, Serial No. 749,142
In Great Britain July 7, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires July 7, 1959
3 Claims. (Cl. 250—27.5)

1. An electron discharge device comprising an indirectly heated cathode mounted substantially transverse to the axis of said device, a heater passing through said cathode and projecting through the ends thereof, an anode having a transverse dimension substantially equal to a transverse dimension of said cathode mounted in spaced relation from one side of said cathode, and shield means mounted adjacent said cathode, said means including a base shield positioned



from said cathode on a side remote from said one side and end shield means extending from said base shield and interposed between said anode and projecting parts of said heater.

2,474,212
COMB
George F. Benco, Philadelphia, Pa.
Application January 7, 1947, Serial No. 720,631
4 Claims. (Cl. 132—11)



1. A sectional comb comprising a pair of elongated complementary sections having depending double spaced teeth, interlocking arcuate moldings and complementary slots formed on the engaging inner faces of the sections, interengaging fingers and sockets spaced along the inner faces of the sections and centrally extending finger manipulating extensions on said sections for moving said section apart.

2,474,213
METHOD OF INCREASING THE AROMATICITY OF HYDROCARBON OIL
James F. Black, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 22, 1946, Serial No. 671,653
7 Claims. (Cl. 260—668)

1. The method of increasing the aromaticity of a petroleum naphtha which comprises contacting the said naphtha at elevated temperatures with a catalyst consisting essentially of a group VI heavy metal oxide carried on a zinc spinel base prepared by precipitating said zinc spinel from a solution containing a water soluble zinc salt and a water soluble aluminum salt, said solution being maintained at 150° to 200° F. during the precipitation.

2,474,214
PREPARATION OF ZINC ALUMINATE SPINEL CATALYST
James F. Black, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 22, 1946, Serial No. 671,654
5 Claims. (Cl. 252—465)

1. In a method of preparing an aromatizing catalyst consisting of a group VI metal oxide supported on a zinc-aluminate spinel having a low apparent density, the method of reducing the density of said spinel which comprises preparing the spinel by simultaneously interacting an acid solution of a zinc salt with a basic solution of an alkali metal aluminate containing an excess of said base while at a temperature between about 150° F. and 200° F. to form a basic slurry containing zinc-aluminate as a precipitate and separating said precipitate.

2,474,215
PREPARATION OF A ZINC ALUMINATE-GROUP VI METAL OXIDE CATALYST
Kenneth K. Kearby, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 31, 1947, Serial No. 795,139
10 Claims. (Cl. 252—465)

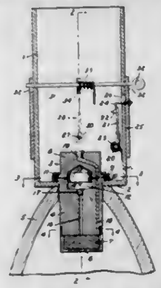
1. A process for preparing a catalyst adapted for the reforming of hydrocarbons to increase their aromaticity which comprises interacting an acidic solution of a zinc salt with a basic solution of an alkali metal aluminate to form a slurry containing zinc aluminate precipitate, separating the precipitate from the resulting slurry, washing the precipitate so separated, drying the washed precipitate, thereafter calcining the dried precipitate for several hours at a temperature of about 1000°–1200° F., and incorporating a group VI metal oxide into said precipitate to form a catalyst comprising a zinc aluminate spinel as a major constituent and a group VI metal oxide as a minor constituent.

2,474,216
REDUCTION OF KETONES
Philip J. Breivogel, Glen Ridge, N. J., assignor to White Laboratories, Inc., Newark, N. J.
No Drawing. Application January 9, 1946, Serial No. 640,137
14 Claims. (Cl. 260—635)

1. The method for producing a pinacol which comprises subjecting a solution of a mononuclear aryl lower alkyl ketone to the action of an alkali metal-lead alloy containing from about 5 to about 40 per cent by weight of alkali metal and a hydrogen donor.

2,474,217
GRENADE FUSE
Morton Burden, Jr., Sewickley, Pa.
Application March 30, 1945, Serial No. 585,758
3 Claims. (Cl. 102—71)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A multi-purpose grenade fuze and launching device adapted to be either manually thrown or fired from a rifle comprising a cylindrical member constructed and arranged to be mounted on a rifle for launching, and also to be grasped as a handle for throwing, a cylindrical sleeve frictionally mounted thereon for longitudinal sliding movement thereon, said cylinder member having an apertured wall at one end thereof, a body fastened to said wall and extending through the aperture thereof and having means for engaging a grenade body, a booster charge carried by said body, first primer means carried by said body, a time delay powder train extending from said first primer means to said booster charge, a second primer means carried by said body for



exploding said booster charge directly, inertia means forwardly movable on impact to detonate said second primer means, combustible means restraining said inertia means and connected to said delay powder train intermediate the ends thereof, and means operable by said cylindrical sleeve for detonating said first primer means.

2,474,218
BELT LOADER
Arthur L. Bureau, United States Navy
Application November 5, 1943, Serial No. 509,081
16 Claims. (Cl. 86—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

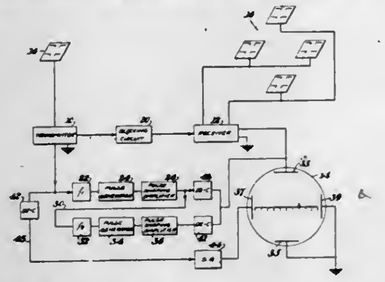


10. In a cartridge feeding mechanism, a magazine having a pair of hoppers, a pair of shutters to support individual columns of cartridges in the hoppers, a shaft for each of the shutters, a selector wheel having a rim, a plurality of pins of different lengths, means by which pins of similar lengths are attached to the rim in individual circular series and in prearranged sequential order, an arm secured to one of the shafts and extending into the path of one of the series of pins, an arm loose on said one shaft, being located to one side of said secured arm and extending into the path of another one of the series of pins, means operatively connecting said loose arm with the other shaft, and means to move the wheel with a step motion.

2,474,219
PULSE GENERATING SYSTEM
Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application September 14, 1942, Serial No. 458,191
9 Claims. (Cl. 315—22)

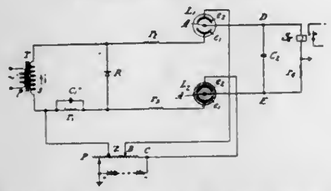
1. In a system for providing a calibrated scale for an oscillograph to cover a desired portion of the interval between successive impulses of a

source of recurring impulses, wherein the scale is produced by generating two series of pulses in response to each of said recurring impulses, the first of said series of pulses having a frequency such that the pulses provide major scale division markers and the second of said series of pulses having a frequency which is an integral multiple of the frequency of the first-mentioned series, thereby providing minor division markers for the scale, the method of producing said pulse series comprising generating one of the series of



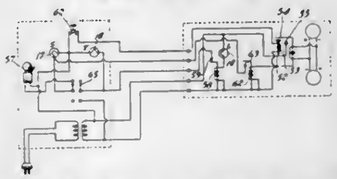
pulses by exciting a circuit to provide a wave train, and producing in response to each cycle of the wave train one of the pulses comprising said one series, and generating other of the two series of pulses by dividing the recurring impulse energy, retarding one part thereof to provide the second pulses of the series, repeating the division and retarding process on each such delayed part of the pulse energy, and applying the series of pulses providing major and minor scale division markers to the oscillograph.

2,474,220
PULSE RECEIVING CIRCUIT
Lucien A. B. Cabes, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 22, 1943, Serial No. 473,272
In the Netherlands July 11, 1941
10 Claims. (Cl. 178—67)



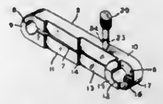
1. System for reception of wired carrier currents including transformer means for collecting said carrier currents from the line, two cold cathode tubes connected so as to be fed with said currents from said transformer means, means for keeping the first tube lighted under no-signal conditions including biasing potentials applied to the control electrodes of said tube, means for extinguishing said first tube when a signal is received including bias changing means connected to the control electrodes of said tube, means for lighting the second tube when a signal is received and including means for changing the control bias applied to said second tube, and a polarized relay with two windings, each of which is inserted in the anode circuit of one of the two cold-cathode tubes, whereby incoming current pulses cause the reversal of lighting of the two tubes and the actuation of said relay means.

2,474,221
SMOKE DETECTOR AND SIGNAL FOR DUCTS
Clarence Noel Cahusac, Newark, N. J., assignor to C-O-Two Fire Equipment Co., Newark, N. J., a corporation of Delaware
Application September 28, 1946, Serial No. 700,051
8 Claims. (Cl. 177—311)



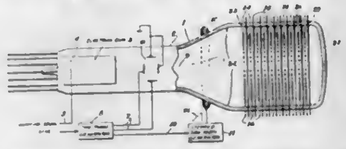
8. A smoke detector for detecting suspended matter in fluid flowing through a duct having an opening in one wall thereof comprising a support constructed to be secured upon the exterior of the duct and closing the duct wall opening against the entry of light therethrough into the duct, the support having an aperture therein in alignment with the opening in the duct, a light source carried by the support to project a beam of light outwardly through the aperture, and a photoelectric element mounted on said support and shielded thereby against direct rays of light from the light source, the photoelectric element having a light-sensitive surface extending approximately parallel to the beam of light, a second photoelectric element carried by the support and subject to light from the source transmitted other than through the fluid being tested, means connecting the photoelectric elements in an electric circuit so that the photoelectric effects of the second photoelectric element oppose the photoelectric effects of the first-named photoelectric element, and an electrical responsive means connected in said circuit to indicate the presence of smoke in the fluid being tested.

2,474,222
SPLIT RING RETAINER EXTRACTOR
Hermenegilde P. Carrier, Charlestown, Mass.
Application May 15, 1945, Serial No. 593,904
3 Claims. (Cl. 29—229)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



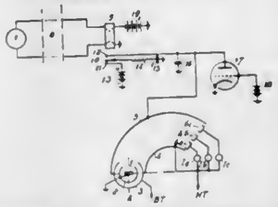
1. A split ring retainer extractor comprising a pair of operating arms normally bearing against each other, said arms being provided with an opening therebetween and adapting said extractor to be fitted over a member carrying a split ring retainer, an arcuate ledge supported upon each arm at one side of said opening and extending outwardly and axially thereof, said ledges providing an arcuate surface coextensive with the bounding surface of said opening and adapted to embrace and contact the outermost peripheral edge of said split ring retainer, and a lug supported upon each arm, said lugs extending outwardly and axially of said opening and substantially diametrically opposite said arcuate surface, said lugs being adapted to extend into the split of said split ring retainer when said arms bear against each other, said opening having a substantially semicircular cross section on the side of said ledges and a flattened elliptical cross section on the side of said lugs, thereby providing a shelf between each of said lugs and the adjacent ends of said ledges for contacting a portion of said split ring retainer.

2,474,223
ELECTRON TUBE
Paul Georges Chevigny, Paris, France, assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 26, 1946, Serial No. 643,787
16 Claims. (Cl. 250—152)



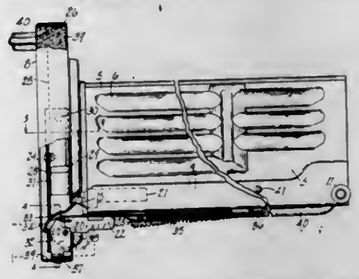
1. Electron beam-producing apparatus comprising means for producing an electron beam, a plurality of rows of target elements arranged in the path of said beam, each row consisting of a plurality of target elements spaced in a plane transverse to the plane along which the rows are spaced, and beam-deflecting means for deflecting the beam to impinge upon the target elements.

2,474,224
ELECTRONIC SWITCH
Trevor H. Clark, Boonton, N. J., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 20, 1947, Serial No. 735,954
In France April 28, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires April 28, 1959
7 Claims. (Cl. 315—21)



1. A system for electronic switching, comprising electron beam switching means including a pair of deflecting electrodes and a plurality of target anodes disposed therebetween, one of said electrodes normally being kept at a fixed potential and the other electrode being at a distance from said one electrode such that its potential with respect thereto is of a value as to at least inhibit current flow therein due to attraction of any of the electron emission of said switching means and due to secondary electrons attracted from said other electrode to said one electrode, and means for supplying voltage impulses to said other electrode including means for additively storing said voltage impulses, whereby the potential of said other electrode is successively varied to effect a deflection of the electron toward target anodes substantially adjacent to said other electrode.

2,474,225
COOKING STOVE BROILER AND DOOR ASSEMBLY
James M. Cook and Robert C. Lang, Kalamazoo, Mich., assignors to Kalamazoo Stove and Furnace Company, Kalamazoo, Mich.
Application August 12, 1946, Serial No. 689,963
9 Claims. (Cl. 126—41)



4. A hinge structure for attaching a broiler chamber door to a broiler body comprising fixed hinge members having vertically spaced rearwardly extending flanges arranged to be secured to said broiler above and below the bottom wall thereof, an inner panel for said door defining a pair of apertures adapted to receive the forward ends of said hinge members, attaching brackets secured to the forward side of said panel and having lower portions of channel-shaped cross section defining pivot pin openings, and pivot pins extending through said openings and the forward portions of said fixed hinge members, the webs of said lower portions being cut away whereby the forward ends of said hinge members may pass thereover.

8. In combination with a cooking stove having a broiler chamber opening to the front thereof, a broiler body slidable through said opening, said body having inwardly stepped ribs along the lower side edges thereof, fixed hinge members secured to the front of said ribs and having forwardly extending arcuate portions of channel shaped cross section, fingers extending from the inner sides of said hinge members and secured to said body on the sides of said ribs, a broiler chamber door having an inner panel defining apertures to receive said arcuate portions and pivoted thereto on the forward side of said panel, and tension spring members secured between the under side of said broiler body and said inner door panel to urge said door toward closed position.

2,474,226
MAKING LIQUID CARBOHYDRATE-RICH FOODS RESISTANT TO MICROORGANISMS
Gerald H. Coleman, Freeland, and Paul A. Wolf, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application February 7, 1949, Serial No. 75,068
10 Claims. (Cl. 99—150)

2. The method of imparting to a fruit juice an increased resistance to attack by microorganisms

which comprises dissolving in such food a minor but effective amount of a compound selected from the class consisting of dehydroacetic acid and its sodium, potassium, ammonium and calcium salts.

2,474,227
MAKING CARBOHYDRATE FOODS RESISTANT TO MICROORGANISMS
Gerald H. Coleman and Paul A. Wolf, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application January 13, 1947, Serial No. 721,877
14 Claims. (Cl. 99—91)

1. The method of imparting to foods rich in carbohydrates an increased resistance to attack by microorganisms which comprises bringing into contact with such foods a compound selected from the class consisting of dehydroacetic acid and its sodium, potassium, ammonium and calcium salts.

2,474,228
MAKING PROTEINACEOUS AND FATTY FOODS RESISTANT TO MICROORGANISMS
Gerald H. Coleman and Paul A. Wolf, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application January 13, 1947, Serial No. 721,878
14 Claims. (Cl. 99—150)

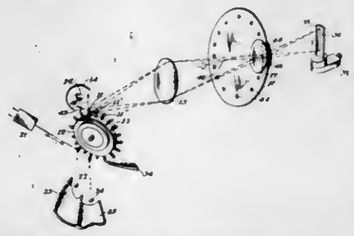
1. The method of imparting to foods rich in at least one of the class consisting of proteins and fats an increased resistance to attack by microorganisms, which comprises bringing into contact with such foods a minor but effective amount of a compound selected from the class consisting of dehydroacetic acid and its sodium, potassium, ammonium, and calcium salts.

2,474,229
RETARDING GROWTH OF MICROORGANISMS IN LIGHT ALCOHOLIC BEVERAGES
Gerald H. Coleman and Paul A. Wolf, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application January 13, 1947, Serial No. 721,879
13 Claims. (Cl. 99—48)

1. The method of imparting to light alcoholic beverages an increased resistance to attack by microorganisms which comprises dissolving in such beverage a minor but effective amount of a compound selected from the class consisting of dehydroacetic acid and its sodium, potassium and ammonium salts.

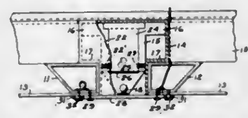
2,474,230
TWO-DIMENSIONAL PHOTOELECTRIC SORTING
David C. Cox, Grand Rapids, Mich., assignor to Electric Sorting Machine Company, Grand Rapids, Mich., a corporation of Michigan
Application January 23, 1948, Serial No. 3,876
11 Claims. (Cl. 250—41.5)

1. In a photoelectric sorter a conveyer for carrying articles substantially along a linear path, lens means for focusing an image of the article substantially in a focal plane, a photoelectric tube, a second lens means at said focal plane for focusing an image of the first lens means on the photoelectric tube, and a scanning disc in said focal plane with apertures moving transverse to said conveyer path at a multiple of the speed of said



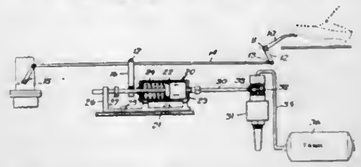
conveyer for scanning successive areas on the surface of said article.

2,474,231
SLIDING BALL HITCH FOR AUTOMOBILES
Ralph Varston Crosley, Pacoima, Calif.
Application May 29, 1947, Serial No. 751,347
4 Claims. (Cl. 280—33.44)



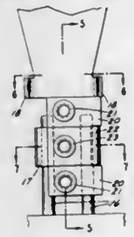
1. An automobile hitch device comprising a casing adapted to be connected to the rear of an automobile, said casing having an opening in its rear end and provided with interior shoulder portions, a block slidable in and out of the casing through the rear opening thereof and having portions adapted to engage with the shoulder portions of the casing whereby to limit its outward movement, said block having a recess with a sloping surface in the upper surface thereof, a latch plate with an upwardly extending lip on the outer edge positioned in said recess, a spring in the block for urging the plate upward to lock the block in the extended position, and means on the block adapted for the connection thereto of a hitch device of a trailer or the like.

2,474,232
SAFETY CONTROL DEVICE
Max Dach, Flushing, N. Y.
Application July 14, 1944, Serial No. 544,971
32 Claims. (Cl. 123—98)



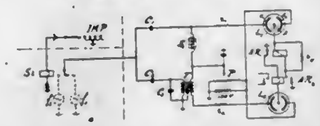
4. The combination with a machine having an accelerator of a cylinder, a piston in said cylinder, a spring yieldingly pushing said piston towards the end of said cylinder, a shaft on said piston and normally free of the accelerator, and means operatively connecting said accelerator to said shaft when said piston is moved to one end of said cylinder by said spring.

2,474,233
SELECTOR BRUSH
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 23, 1945, Serial No. 579,368
10 Claims. (Cl. 200—16)



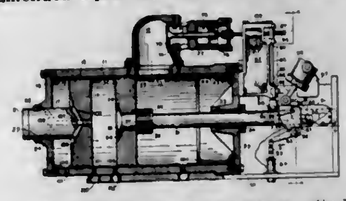
1. An electrical contact brush for a selector switch comprising a metallic spring member having a contact surface for successive engagement with a series of stationary terminals, a metallic guide member mounted on said spring member in alignment with said surface and spaced from the forward edge thereof in the direction of movement of said brush, means for electrically insulating said guide member from said spring, said contact surface being shorter in the direction of movement of said brush than the space between adjacent terminals and said guide member extending forwardly in the direction of movement of said brush to engage a terminal before said spring contact surface leaves the succeeding terminal, and means to urge said contact surface towards said terminal.

2,474,234
ELECTRICAL SIGNAL TRANSMISSION SYSTEM
Charles de Vriendt and Lucien A. B. Cabes, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 1, 1943, Serial No. 481,511
In the Netherlands June 21, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires June 21, 1961
12 Claims. (Cl. 179—16)



1. An electrical signal transmission system comprising a transmission line, signal transmission apparatus connected to one terminal of said line, said signal transmission apparatus comprising means to transmit alternate impulses of two different frequencies, means connected to the opposite end of said line for receiving said impulses said receiving means comprising a pair of circuits, means in one circuit responsive to energy of one of said frequencies applied thereto to register the beginning of an impulse and means in the other of said circuits responsive to energy of the other of said frequencies applied thereto to register the end of an impulse and relay means associated with said receiving means jointly controlled by both of said circuits for retransmitting signals measured by the two frequencies of each impulse received.

2,474,235
PNEUMATIC IMPACT DEVICE
Oscar C. Dresser, Arlington, Va., Oscar Norgorden, Washington, D. C., and Francis J. Shanahan, Alexandria, and Carroll R. Shuler, Stanley, Va.
Application December 14, 1945, Serial No. 635,118
7 Claims. (Cl. 121—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



7. In a pneumatic impact device, a cylinder, a striker piston slidably journalled in the forward end thereof, a shaft affixed to said piston and extending through an end of said cylinder, a driving piston slidably journalled in said cylinder and spaced from said striker piston, a shaft fixed to said driving piston and extending through the opposite end of said cylinder, the space between said driving piston and the latter end of said cylinder forming a charging chamber, said charging chamber having an exhaust chamber connected thereto, means for opening and closing said exhaust chamber, said opening and closing means being controlled by the movement of said driver piston shaft, a gas in the space between said pistons, means for adjusting the initial pressure of the gas between said pistons, and means for applying pressure to said driving piston to cause said striker piston to deliver an impact.

2,474,236
NOVELTY ORNAMENT
Lauretta H. Durbin, Casper, Wyo., assignor of fifty per cent to Miner M. Durbin, Casper, Wyo.
Application August 28, 1946, Serial No. 693,563
6 Claims. (Cl. 46—162)



1. A novelty ornament comprising a frame including a straight length of wire cored material terminating in an arcuate head portion, said head portion including a central arcuate wire cored element and a pair of arcuate forwardly converging wire cored side elements joined at a nose and neck, and two pairs of supporting wire cored leg elements carried by the straight length of wire cored material, the free ends of said leg elements forming co-planar bearing feet spaced parallel to the straight length of wire cored material, each wire cored element comprising a pair of relatively twisted wires and fibrous material gripped by and covering said wires, said fibrous material tapering in length from the middle to the ends of each of said wire cored elements.

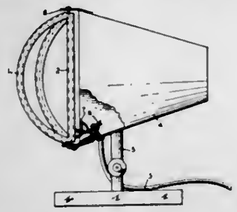
2,474,237
PREPARATION OF TERTIARY ALKYL SULFENAMIDES
Lawrence T. Eby, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 21, 1945, Serial No. 630,141
4 Claims. (Cl. 260—551)

4. A process for the preparation of compounds of the general formula

$$R-\underset{R}{\overset{R}{C}}-S-NH_2$$

where each R group is an alkyl group, which comprises reacting a tertiary alkyl mercaptan with chloramine.

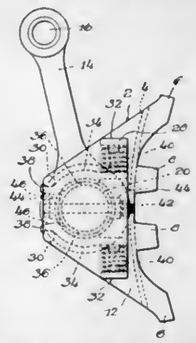
2,474,238
SINGLE NULL LOOP ANTENNA
Myron Y. Eck and Jerome J. Hodapp, Dayton, Ohio
Application June 27, 1945, Serial No. 601,912
6 Claims. (Cl. 250—33.67)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A single null antenna comprising a wave guide and a loop antenna positioned at one end thereof, said loop antenna comprising a pair of loop components lying in crossed planes and being receptive to energy lying in a frequency range in which said wave guide presents a high impedance, said loop antenna and said wave guide cooperating to produce a single null radiation pattern.

2,474,239
BRAKEHEAD BALANCING DEVICE
Norman Flesch, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 16, 1944, Serial No. 554,383
18 Claims. (Cl. 188—207)

1. In a brake head balancing device for an assembly comprising brake head and support members and a beam with a cylindrical trunnion extending through said members to afford a pivotal connection therebetween; the combination of spaced fulcrum means on said head member, spaced opposed levers in engagement at corresponding ends thereof with respective fulcrum means, resilient means compressed between the opposite corresponding ends of said levers and abutment means on said head member, arcuate surfaces on said levers frictionally engaging the cylindrical perimeter of said trunnion, and a bolt and nut assembly extending through an opening in said trunnion and secured thereto, said assembly comprising a washer having surfaces adapted for flat face engagement with the fulcrumed ends of said levers for limiting rotation of said head member on said trunnion, said washer being adapted for abutment with a portion of said head member to limit movement of the latter toward the end of the trunnion.

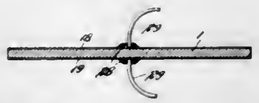


2,474,240
FOCUSING X-RAY MONOCHROMATOR
Herbert Friedman, Arlington, Va.
Application August 8, 1945, Serial No. 609,695
9 Claims. (Cl. 250—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An X-ray monochromating and focusing system comprising, a source of non-monochromatic X-ray radiation, and a support having a concave cylindrical surface having bound thereon with a non-crystalline binding material a coating of a finely divided material consisting essentially of selectively reflective crystallites having one axis longer than the other two respective axes, said X-ray source being disposed on the circle defined by said concave cylindrical surface.

2,474,241
PIEZOELECTRIC CRYSTAL STRUCTURE
Kenton Kitch Garrison, East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 29, 1945, Serial No. 602,238
10 Claims. (Cl. 171—327)



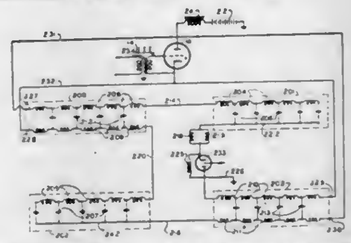
10. A piezoelectric device comprising a crystal, a localized area metal contact piece secured to said crystal, an electrode coating covering said contact piece and the adjacent surface of said crystal, said contact piece being drilled to provide a bore for the reception of a mounting pin.

2,474,242
ADJUSTABLE ANTENNA
Carl K. Gieringer, Long Branch, N. J.
Application June 13, 1945, Serial No. 599,296
1 Claim. (Cl. 250—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



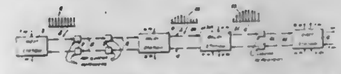
An adjustable doublet antenna system comprising a coaxial transmission line, a first coiled spring, an antenna radiator element connected at one end to the outer end of said first coiled spring, means electrically connecting said first named spring to the inner conductor of the coaxial transmission line, a second coiled spring, at least one antenna radiator element connected at one end to the outer end of said second coiled spring, means electrically connecting the inner end of said second named spring to the outer conductor of the coaxial transmission line, nonconductive mounting means positioned adjacent the said transmission line and mechanically connected to the inner end of said first coiled spring, an annular insulating member coaxial with the said outer conductor, the said member including means whereby the free ends of the said second named radiator element may be attached thereto, and means connected to the free end of the first named radiator and to the said insulating member whereby the effective length of the said radiators may be varied from a remote point.

2,474,243
LINE PULSE MODULATOR
Lewis Greenwald, Neptune, N. J.
Application September 14, 1945, Serial No. 616,440
16 Claims. (Cl. 171—97)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. A line pulse modulator including a plurality of four- and two-terminal artificial lines connected in a series circuit with two-terminal lines alternating with said four-terminal lines in said series circuit, a load impedance included in said series circuit, a D. C. source of potential connected across the two remaining terminals of all of said four-terminal lines to charge all of said lines in a resonance-charging manner, and an electronic switch connected across said remaining terminals for shunting said terminals upon the appearance of maximum voltage across said lines, thereby discharging all of said lines simultaneously through said series circuit.

2,474,244
AMPLITUDE MODULATED TIME MODULATED PULSE SYSTEM
Donald D. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 19, 1944, Serial No. 536,301
12 Claims. (Cl. 179—15)



1. In a communication system including a plurality of stations, means for communicating intelligence between two of said stations by the use of discrete time modulated pulses, said means including a relay station for amplifying and relaying said time modulated pulses, and means at said relay station for communicating additional intelligence between said relay station and one of said stations by superimposed amplitude modulation of said time modulated pulses comprising a source of intelligence signals and means for amplitude modulating said pulses with said signals.

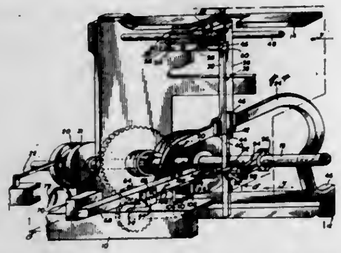
2,474,245
NULL MEASURING BRIDGE
Robert A. Hampshire, West Caldwell, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 14, 1944, Serial No. 554,104
10 Claims. (Cl. 171—95)



1. In measuring apparatus of the class described, a Wheatstone bridge circuit which has four arms and two diagonals and which is adapted to be energized by an electric power source connected across one diagonal thereof to actuate indicating means connected across the other diagonal thereof to indicate the condition of balance of said bridge circuit; one of the arms of said bridge circuit including first and second vacuum tubes, each having a cathode, an anode, and a control electrode; circuit means connecting said tubes in series between the terminals forming the ends of said arm of said bridge circuit with the anode of said first tube connected to the cathode of said second tube; biasing means interposed in said last-named connection; means connecting the anode of said first tube to the control electrode of said second tube; means for impressing the signal to be measured between the cath-

ode and control electrode of said first tube; and means providing a degenerative feedback connection between the control electrode and the anode of said first tube, whereby said tubes and indicating means are protected from the detrimental effects of large signals.

2,474,246
ATTACHMENT FOR HOSIERY MACHINES
Julian B. Hardison, Burlington, N. C., assignor to David M. Harman, Burlington, N. C.
Application April 23, 1947, Serial No. 743,435
17 Claims. (Cl. 66—157)



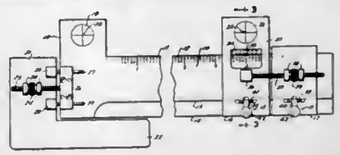
1. A safety attachment for knitting machines having a rotatable and reciprocable camshaft, camshaft shogging mechanism actuatable during narrowing and a power means for operating said camshaft and said knitting machine; comprising, an actuating member secured to said camshaft for rotary and reciprocatory motion therewith, an actuated member controlling the application of power from said power means to said knitting machine, means synchronizing the operation of said shogging mechanism and said actuating member for engaging said actuated member upon continual rotation of said camshaft in its narrowing position for more than one revolution and causing the actuated member to interrupt the application of power to said knitting machine.

2,474,247
SIGNAL TYPE TORQUE INDICATING WRENCH
Mark Hattan, Dayton, Ohio
Application July 8, 1944, Serial No. 544,127
8 Claims. (Cl. 81—52.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A signal type torque indicating wrench including a tubular handle member, a beam member pivotally supported by said handle member and having a projecting portion adapted to be connected to a work head, said beam member serving to transmit torque from the handle to the work head, said beam member extending into said handle member and having a tapered end portion, a sleeve concentrically mounted within said handle member and surrounding the tapered portion of the beam with a spacing therefrom dependent upon the axial position of said sleeve with respect to the tapered portion of the beam, means for axially adjusting said sleeve with respect to said beam to adjustably vary an initial no-load movement of the handle with respect to the beam member, a signal circuit electrical contact positioned within the handle, said beam member forming a second electrical contact, axial adjustment of said sleeve member varying the point of contact to thereby vary the amount of torque load applied to said beam member to cause engagement of said contacts.

2,474,248
PHOTOGRAMMETRIC CALIPER
James E. Henry and Leonard W. Crouch, Dayton, Ohio
Application April 30, 1948, Serial No. 24,296
6 Claims. (Cl. 33—125)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

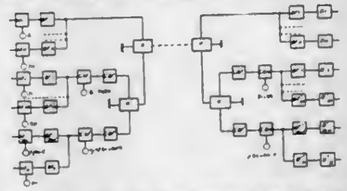


6. In a photogrammetric caliper a body, a transverse extension at the left of said body, a window in said extension, a cross hair in said window, a preliminary setting block at the left of said extension, a hand-hold integral with said preliminary setting block, said hand-hold extending for a substantial distance along the lower longitudinal edge of said body, screw guides on said preliminary setting block, a thrust block near the left edge of said body, a screw extending through said guides, a hand-rotatable nut cooperating with said screw between said guides, alignment guides extending from said preliminary setting block into said thrust block whereby to hold said preliminary setting block and said body in alignment as regards their lowest longitudinal surfaces, an end-point-setting slide movable along the body, a vernier slide on the left of the end-point-setting slide, a window in said vernier slide, a cross hair in said window, said cross hair being substantially in alignment with the cross hair in said body extension window, a scale extending along the top edge of said body, a vernier scale carried by said vernier slide on a beveled surface bounding an opening in said slide, a plurality of alignment guides on said end-point-setting slide, a screw extending through said guides, a hand-rotatable nut mounted between said guides to cooperate with said screw, a thrust block on said vernier slide to receive the thrust of said screw and a detent on each of the end-point-setting slide and the vernier slide whereby either of said slides may be locked to the body independently of the other slide.

2,474,249
MULTICHANNEL CARRIER COMMUNICATION SYSTEM
Kenneth George Hodgson and Frank Fairley, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application May 23, 1947, Serial No. 750,148
In Great Britain April 8, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 8, 1966
2 Claims. (Cl. 178—50)

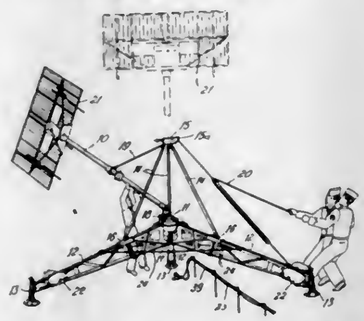
1. A multi-channel signalling system comprising modulating means and filter means for creating a basic group of channels occupying a primary frequency range and impressing said group on a transmission line, modulating means and

filter means for creating another group of channels occupying a part of said frequency range from one boundary thereof to an intermediate frequency, group modulating means for modulating said other group of channels with a frequency



equal to the sum of said intermediate frequency and the frequency of the other boundary of said range, filter means for selecting the lower side band from the output of said group modulating means and means for impressing said lower side band on said line.

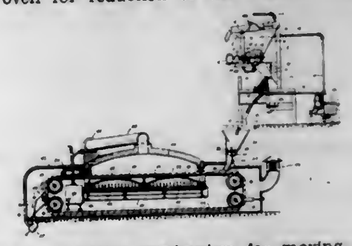
2,474,250
POWER-DRIVEN MECHANISM AND PORTABLE DEMOUNTABLE SUPPORTING STANDARD THEREFOR
Stanley R. Howard, North Quincy, Mass., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application July 27, 1944, Serial No. 546,858
21 Claims. (Cl. 248—1)



1. A portable demountable supporting standard for a mechanism including an extended vertical rotatable shaft comprising, a plurality of radially extending supporting arms, junction means for detachably securing said arms together at their inner ends, a plurality of upwardly extending braces detachably individually secured to points on said arms remote from their inner ends, and junction means for securing said braces together at their upper ends and comprising a bearing for the vertical shaft.

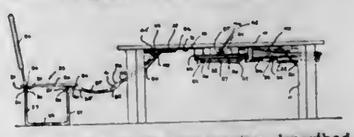
2,474,251
DEWATERING AND COKING SLURRY COAL
Andrew F. Howe, St. Louis, Mo., assignor to Centrifugal & Mechanical Industries, Inc., St. Louis, Mo., a corporation of Missouri
Application December 9, 1944, Serial No. 567,436
9 Claims. (Cl. 202—96)

1. An apparatus for recovering sludge or slurry coal, comprising a machine for separating water from said coal, a device for receiving said coal from said machine and for spreading said coal preparatory for the reduction of the volatile content thereof, a relatively wide conveyor for supporting and moving a layer of said coal through an oven for reduction of the volatile content



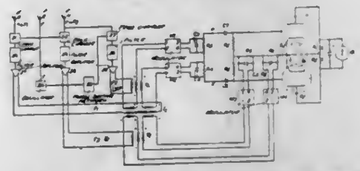
thereof, operating mechanism for moving said conveyor, and mechanisms controlled by said operating mechanism for operating said machine and said device, respectively, during operation of said operating mechanism only.

2,474,252
COMBINATION CHAIR AND TABLE UNIT
Margaret C. Ivory, Massillon, Ohio
Application June 18, 1945, Serial No. 600,061
5 Claims. (Cl. 155—124)



1. In a device of the character described, a table top, a plurality of legs pivotally secured to the underside of said table top, and a plurality of collapsible chairs pivotally secured to the underside of said top and adapted to fold between said legs, the securing means including a pair of pivotally connected links, the opposite ends of said links being secured to said chairs and said table top, respectively, the end of said link secured to said table top being mounted on a sleeve, and a rod secured to the underside of said table top on which said sleeve is adapted to slide.

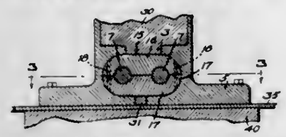
2,474,253
MEANS FOR MEASURING DIFFERENCE IN FREQUENCY OF ALTERNATING CURRENTS
Bent Bulow Jacobsen, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 24, 1944, Serial No. 523,660
In Great Britain April 1, 1943
23 Claims. (Cl. 172—245)



1. In an electrical measuring circuit, a first A. C. source of one frequency, a second A. C.

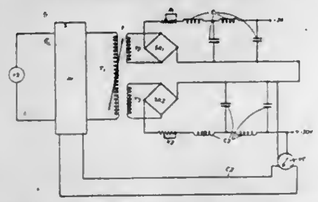
source of a frequency to be compared with the first frequency, means for modulating the first by the second of said frequencies, comprising two modulating branches, means for applying said two sources to each of said two branches, and means for combining the outputs of the two modulating branches to obtain a lower sideband from one pair of output terminals when the frequency difference has one sign, and from the other pair of output terminals when the frequency difference has the other sign.

2,474,254
MACHINE FOR IMPREGNATING MATERIAL WITH LIQUIDS
Leroy A. Kauffman, Washington, D. C.
Application November 18, 1946, Serial No. 710,551
4 Claims. (Cl. 91—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



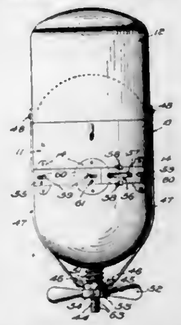
1. A machine for impregnating material with liquids, comprising, a head having an elongated gear pump cavity in its lower portion, a flat base, there being a slot in the bottom of said cavity, opening through said base, a pair of spaced parallel shafts journaled in said cavity, a first set of axially spaced gears fixed on one said shaft, a second set of axially spaced gears fixed on the other said shaft, each gear of one set meshing with a corresponding gear of the other set, a pair of complementary bearing sections fitting in the space between each pair of intermeshing gears and the next axially spaced pair, said sections being shaped to closely fit the cross sectional area of said cavity, and means forming a liquid reservoir above said cavity, there being a passageway from the bottom of said reservoir to the top of said cavity.

2,474,255
POWER SUPPLY SYSTEM FOR CARRIER COMMUNICATION SYSTEMS
Richard Kelly, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 27, 1945, Serial No. 579,991
In Great Britain March 10, 1944
2 Claims. (Cl. 171—97)



1. Power supply device for telecommunication systems and the like using thermionic valves and deriving energy from an alternating current power supply source including a primary winding connected to said alternating current supply source and having two secondary windings, two rectifiers, each connected to one secondary winding, a low tension load circuit and a high tension load circuit for said thermionic valves connected respectively one to each of said rectifiers, a control relay connected to at least one of said load circuits and responsive to voltage changes therein, transformer control means for varying the effective turns of said primary winding connected to and operable by said control relay whereby changes in the load circuit to which the control relay is connected will cause changes in said transformer primary thereby causing corresponding voltage changes in both said secondary windings and means for matching the voltage current characteristics of the low tension and high tension load circuits over the operating load range so that the output voltages on the low tension and high tension load circuits will bear the same ratio to each other during all variations of the load in said load circuits over said operating load range.

2,474,256
AERIAL BOMB
Richard L. Kinion, Denver, Colo.
Application March 30, 1945, Serial No. 585,760
6 Claims. (Cl. 102—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

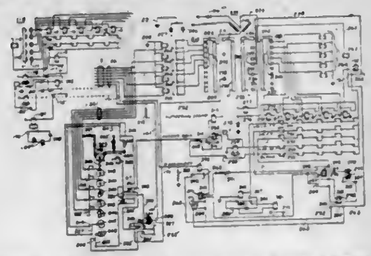


1. In an aerial bomb, a closed casing, a detachable cover adapted to form with said casing a closed chamber, a parachute in said chamber attached to said casing, an explosive charge in said casing, a plurality of fuzes within said casing, each operable to detonate said charge, each said fuze including a firing pin means projecting externally of said casing, an expansible ring member disposed about said casing and engaging all said firing pin means to retain the same in unarmed position when contracted and to permit movement of all said firing pin means to armed position when expanded, releasable means holding said casing and cover in assembled relation and said ring member in contracted position, and means responsive to motion of said bomb through the air to release said releasable means.

2,474,257
TELEGRAPHIC COMMUNICATION SYSTEM WITH AUTOMATIC ANSWER BACK AND ALARM SIGNALS
Edward E. Kleinschmidt, Miami Beach, Fla.
Application December 24, 1943, Serial No. 515,562
36 Claims. (Cl. 178—4)

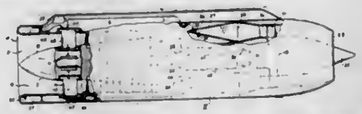
1. In a system of telegraphic communication, signal transmitting and receiving apparatus, said

transmitting apparatus including means to transmit a variable group of word signals and message end signals; and means responsive to the transmission of a message end signal to automatically disable the transmitting apparatus and



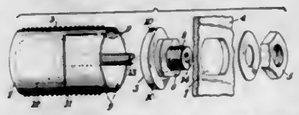
prevent the further transmission of messages and means controlled by the receiving apparatus and automatically responsive to the reception of a message end signal to condition the transmitting apparatus for message transmission.

2,474,258
TURBINE APPARATUS
Reinout P. Kroon, Swarthmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 3, 1946, Serial No. 638,794
2 Claims. (Cl. 230—207)



1. In an aircraft gas turbine power plant including an axial flow compressor having its inlet open to the atmosphere approximately in the direction of flight and comprising a rotor, a stator, a bearing for said rotor near the forward end thereof, a housing for said bearing, a plurality of axially spaced rows of moving blades carried by the rotor, a plurality of rows of stationary blades carried by the stator and disposed between the rows of moving blades, a row of stationary vanes extending generally radially between said bearing housing and the stator upstream of the first row of moving blades for supporting the bearing housing from the stator and for guiding entering air to the first row of moving blades, and means for heating said vanes to prevent formation of ice thereon.

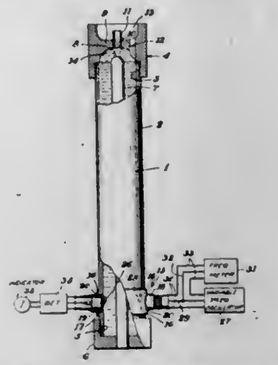
2,474,259
COIL SUPPORTING MEANS
Edmund F. Lapham, Jr., Norwell, Mass., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application February 12, 1945, Serial No. 577,489
5 Claims. (Cl. 171—777)



1. Means for securing a hollow, cylindrical member to a support comprising a frame having

an opening therein smaller than the diameter of said member, a supporting member, said cylindrical member having openings in its periphery adjacent one end thereof, said supporting member having a portion in peripheral engagement with said cylindrical member intermediate the ends thereof and having openings in said portion in alignment with the openings in said cylindrical member, said supporting member having another portion adapted to extend through the opening in said frame, a resilient key member insertable through the aligned openings in said cylindrical member and said supporting member and means adjustable longitudinally of said cylindrical member to secure the portion of said supporting member extending through the opening in said frame for causing said cylindrical member to abut against said frame whereby said key member is distorted.

2,474,260
DIELECTRIC MEASURING APPARATUS AND METHOD
George R. Leef, East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 11, 1947, Serial No. 721,606
2 Claims. (Cl. 175—183)

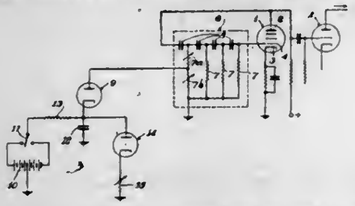


1. A cell for measuring the electrical properties of liquid dielectrics at ultra-high frequencies, comprising a hollow tubular column, said column being closed at the base and having extending upwardly therein from the base a concentrically located rod, and having at the top a cap provided with an outlet vent and a filling vent, the upper end of said rod being rounded, and in proximity to said cap, said cap having a horizontal portion rounded to conform with and spaced from the rounded end of the rod to form a capacity therewith.

2,474,261
MODULATOR
Frank A. Leibe, Quakertown, Pa., and Benjamin B. Mahler, Newark, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 10, 1947, Serial No. 747,214
12 Claims. (Cl. 332—29)

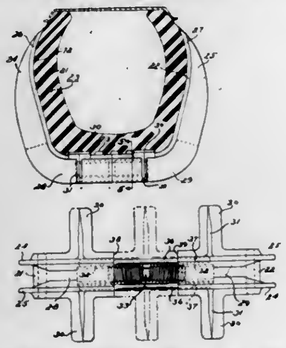
1. A signalling system comprising an oscillator having a frequency determining circuit, a resistor in said circuit, a diode and a condenser connected in series across said resistor, a source of positive

and negative voltages connected to the junction of said diode and condenser, and a switch oper-



able at signal frequency selectively applying said positive and negative voltages to said junction.

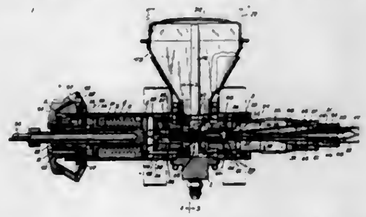
2,474,262
TRACTION-GAINING DEVICE
Emil Linderme, Shaker Heights, Ohio, assignor of one-third to Emil M. Linderme, one-third to Edwin G. Linderme, and one-third to Frederick W. Linderme
Application December 11, 1946, Serial No. 715,492
8 Claims. (Cl. 152—227)



1. A traction gaining device for use with a substantially annular body adapted to tractionally move relative to a surface, said body having two opposite substantially annular side surfaces with a substantially annular surface bearing portion therebetween, said traction gaining device comprising first and second side arms each having first and second ends, respectively, said first ends each having a surface adapted to be drawn toward each other to engage at least a part of said opposite body side surfaces, a bearing head at each of said second ends, transverse support means disposed externally of said surface bearing portion and adapted to slidably engage said bearing heads, and anchoring means for drawing said surfaces of said first ends into contact engagement with said at least a part of said opposite body side surfaces.

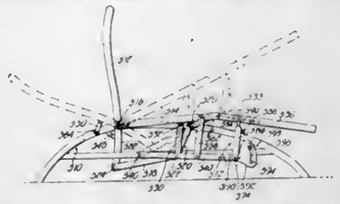
2,474,263
CATHODE SUPPORT
Charles V. Litton, Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application November 1, 1945, Serial No. 626,132
8 Claims. (Cl. 250—27.5)

1. Supporting means for a cathode for an electron discharge device comprising a first conoidal body mutilated at the apex to provide an essentially semicircular end and having an annular base end, a second conidal body arranged coaxially with said first conidal body and also mutilated at the apex to provide a similar essentially semicircular end and forming with said first



mentioned arcuate end a circle, said second conoidal body having an annular base end, and mounting means comprising separate conducting portions and an insulating portion therebetween, said conducting portions each mounting a base end.

2,474,264
ADJUSTABLE SEAT STRUCTURE
Anton Lorenz, Buffalo, N. Y.
Application October 27, 1944, Serial No. 560,553
11 Claims. (Cl. 155—45)

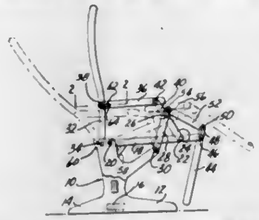


3. A reclining article of furniture comprising: a support, a structure including a seat, a back-rest and means connecting said back-rest with said seat for controlling movements of the back-rest and the seat in dependence on each other, said structure being swingably mounted on said support, stopping means arranged on said support for limiting the sitting position of said structure, a leg-rest pivotally connected with the front portion of said seat, a controlling link pivoted to said support at one of its ends, a guiding member, one end of said guiding member being pivoted to said seat, the other end of said guiding member being pivoted to an intermediate point of said controlling link, and a controlling member, one end of said controlling member being pivoted to the other end of said controlling link, and the other end of said controlling member being pivoted to said leg-rest.

2,474,265
RECLINING ARTICLE OF FURNITURE
Anton Lorenz, Buffalo, N. Y.
Application August 22, 1946, Serial No. 692,224
5 Claims. (Cl. 155—105)

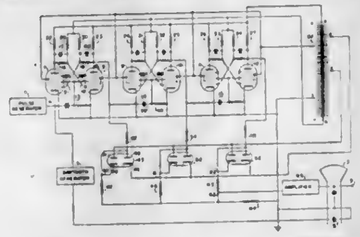
1. A reclining article of furniture, comprising: a support, a seat, the rear portion of said seat being pivoted to said support, a front link, the lower portion of said front link being pivoted to the front portion of said seat, a connecting link, one end portion of said connecting link being

pivoted to said front link at a point above the pivotal connection between the front link and the seat, the other end portion of said connecting link being pivoted to said support at a point spaced from the pivotal connection between the seat and the support, said seat, said front link, said connecting link and the stationary portion of the support between the pivotal connections of the connecting link with the support and of the seat with the support forming the links of a four-bar



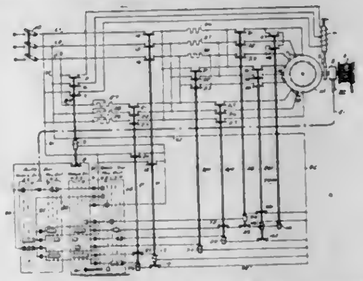
link-mechanism, a back-rest, said back-rest being pivoted to said support at a point spaced from the pivotal connection between the seat and the support, and a top link, the rear portion of said top link being pivoted to an intermediate point of said back-rest above the pivotal connection between the back-rest and the support, and the front portion of said top link being pivoted to a point of the front link spaced from its pivotal connection with the connecting link.

2,474,266
STEP WAVE GENERATOR
Harold Lyons, Washington, D. C.
Application May 22, 1945, Serial No. 595,221
7 Claims. (Cl. 315—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination of, a counter circuit which is comprised of a plurality of stages arranged to form a counter of the scale of N variety, each of said stages being of the scale of two type, separate impedance means connecting a predetermined point in each of said counter stages to a common junction point, the predetermined point in each of said counter stages being one which alternates between two distinct voltage levels as the counter stages are caused to change electrical states, and a single impedance means connecting said junction point to a point of fixed potential, each of said impedance means being predeterminedly related in magnitude, with the magnitude of the impedance means connecting the first stage of the counter to said junction point being arbitrarily chosen and the magnitude of the remaining impedance means connecting each of the succeedent stages of the counter to said junction point being progressively smaller than the impedance means connecting said first stage to said junction point.

2,474,267
ELECTRIC WINCH CONTROL SYSTEM FOR ALTERNATING CURRENTS
Kurt Mahnke, Alden, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1948, Serial No. 12,097
7 Claims. (Cl. 318—6)



7. An electric winch control system, comprising a multi-speed alternating-current winch motor having a plurality of terminal groups for operating at different speeds respectively, alternating-current supply leads, a plurality of contactors disposed between said leads and said respective terminal groups, reversing relay means disposed between said contactors and said leads for controlling the running direction of said motor, a selector switch having an off position and two groups of active positions on both respective sides of said off position, a tensiometric device associated with said motor and having a reversibly movable element connected to said switch for positioning said switch, a brake associated with said motor, a brake relay disposed for controlling said brake and having a normally open self-holding circuit, said switch having contact means connected through said self-holding circuit to said contactors and to said reversing relay means and disposed for controlling said contactors and relay means when said self-holding contact is closed, to connect one of said respective terminals at a time to said leads so that said motor runs in a direction determined by the selected group of contacts, said switch having other contact means connected with said brake relay and disposed to energize said brake relay when said switch is in an active position other than those immediately adjacent to said off position so that said brake is released and said motor energized only when said switch has passed from the off position through an adjacent position but remains released and energized, due to said self-holding circuit, when thereafter said switch turns back to the adjacent position until it reaches the off position.

2,474,268
RADIO-FREQUENCY IN-PHASE INDICATOR
Nathan Marchand, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 3, 1945, Serial No. 602,951
9 Claims. (Cl. 172—245)

1. An in-phase indicator for producing a substantially zero output when the voltages applied

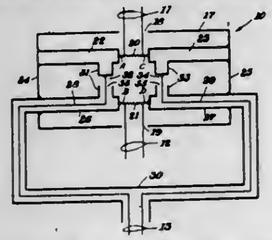
thereto from two sources are equal and in phase,

2,474,270
SUPPORT FOR VOLTAGE REGULATORS

2,474,272
COAXIAL LINE TERMINATION

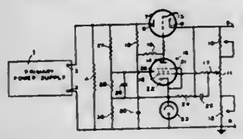
2,474,274
SKI PRESS
Casper M. O'Neill, Salt Lake City, Utah

thereto from two sources are equal and in phase, and a substantial output when said voltages differ from said relationship comprising a pair of dual transmission lines coupling said sources to said indicator, a pair of impedance-matching resistances each terminating one of said lines, a pair of shorted dual transmission line sections each substantially electrically a quarter wavelength long at the mean operating frequency and each comprising two conductors, the two conductors of one section being connected at their free ends



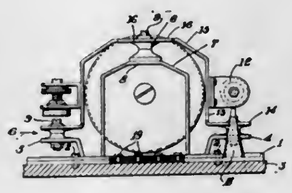
to separate ones of corresponding points of the resistances, the two conductors of the other section being connected at their free ends to separate ones of corresponding other points of the resistances, one conductor of each section being in the form of a coaxial line having an inner conductor connected at one end thereof to the other conductor of the same section, means merging the other ends of said coaxial line conductors into a transmission output line indicating means coupled to said output line.

2,474,269
POWER SUPPLY REGULATOR SYSTEM
Clement Martinez, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 25, 1946, Serial No. 643,406
2 Claims. (Cl. 323—30)



1. A voltage regulator circuit of the resistor tube type for use with a unidirectional voltage source having a supply and an output circuit, comprising a resistor tube having an anode, a grid and a cathode in said supply circuit for regulating the voltage therein; a control amplifier tube having an anode, a screen grid, a control grid and a cathode, bridged with a series resistance across said supply circuit, means for applying the anode circuit voltage of said amplifier to said resistor tube grid, means for applying to said control grid a proportion of the voltage across said output circuit comprising a resistance thereacross, an impedance network comprising a resistance and a condenser across said supply circuit for supplying therefrom control voltage to said amplifier screen grid and cathode and suitable phase correction to said screen grid respecting said cathode, whereby said screen grid acts as an additional control and substantially complete compensation is obtained for a range of voltage fluctuations.

2,474,270
SUPPORT FOR VOLTAGE REGULATORS
Warren S. Master, Rutherford, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 16, 1944, Serial No. 558,926
1 Claim. (Cl. 322—100)

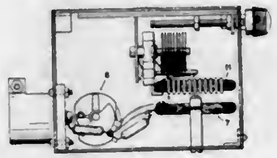


In combination, a controllable power source having a housing, and a voltage regulator unit therefor adapted to be removably attached to said housing, said voltage regulator unit including a base member, a frame resiliently supported on said base member, resilient units of a resonant frequency of less than 10 cycles per second for support of said frame, and electrical components including a rectifier carried by said frame, spring contacts carried by and projecting beneath said base member, corresponding contact members carried by said housing and cooperating with said projecting contacts to electrically interconnect said voltage regulator unit with said power source when said voltage regulator unit is attached to the housing, said housing and said base member having connecting openings positioned beneath said rectifier, and a duct carried by the said base member adjacent to the said rectifier and arranged above an opening of the latter, whereby cooling air expelled from the inside of said housing is directed through said opening, into the said duct and against said rectifier, and means for removably attaching said base to the said housing.

2,474,271
METHOD FOR PROTECTION OF OBJECTS
Harold F. Meyer, Haddonfield, N. J.
No Drawing. Application May 31, 1945, Serial No. 596,950
2 Claims. (Cl. 250—83.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

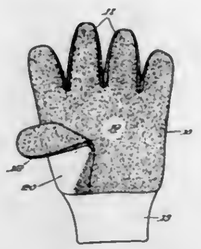
1. A method of protecting against unauthorized removal from a designated location an object to be protected, comprising the steps of: adding to such object radioactive material which is distinguished in the nature of its radiation from radioactive materials normally carried by a person; providing at least one path for removal of the object from such location; restricting the removal of the object to such paths; indicating the presence of the added radioactive material therewith as the object moves along such restricted path; distinguishing between radiations of radioactive material present on an item normally carried by a person and the radiations of the said material added to the object to be protected, and operating a means to prevent removal of the object in response to radiations of said added material when the object is at a part of said path remote from said designated location.

2,474,272
COAXIAL LINE TERMINATION
Henry G. Nordlin, East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 25, 1945, Serial No. 601,395
7 Claims. (Cl. 178—44)



2. A network adapted for terminating an ultra-high frequency coaxial line whose characteristic impedance at a given operating frequency is substantially a pure resistance, said network comprising a primary circuit and a secondary circuit, the primary circuit comprising an inductive loop in series with an adjustable condenser and being adapted for terminating the line, the secondary circuit comprising an inductive loop closed through an adjustable condenser, grounded shielding means around each of the loops to protect the loops against stray capacitive couplings, the two loops lying in planes which are substantially parallel to each other and being inductively related, the loop and condenser of one circuit being movable relative to the loop and condenser of the other circuit in the plane of the movable loop.

2,474,273
FABRIC REINFORCEMENT
Raymond G. Olson, Niles, Ill.
Application March 7, 1946, Serial No. 652,585
14 Claims. (Cl. 2—167)



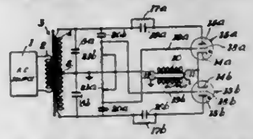
5. A method of reenforcing the wearing surfaces of a fabric glove comprising the steps of spraying the palm and finger portions with minute particles of a fused metal, said metal having the normal characteristic of being relatively flexible, and spraying the same glove portions with minute particles of a fused metal, said metal having the normal characteristic of being relatively abrasive resistant, whereby the fabric glove retains its flexibility and has a good wearing surface due to the flexible metal enclosing and adhering to the threads on the glove surface and the abrasive resistant metal adhering to the flexible metal.

2,474,274
SKI PRESS
George M. O'Neill, Salt Lake City, Utah
Application September 9, 1947, Serial No. 772,981
1 Claim. (Cl. 280—11.37)



A ski press comprising a single longitudinal base member having a plurality of spaced cross members attached intermediate their ends to said longitudinal base member to retain the front ends and center of a pair of skies raised with respect to the rear ends and the region of the skis between the center and front ends.

2,474,275
PULSE GENERATING SYSTEM
Evert Manuel Ostlund, Montclair, N. J., and Paul Walter Sokoloff, Forest Hills, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 21, 1945, Serial No. 617,876
10 Claims. (Cl. 171—97)



1. A system for generating high voltage pulses from a source of low voltage alternating current comprising a gas discharge tube having an anode, a cathode and a control electrode, a control circuit including said cathode and said control electrode, an output circuit including said cathode and said anode, a first impedance, means connecting one of said circuits across said first impedance, means for building up across said first impedance a voltage substantially in phase with that of said source, a second impedance, means connecting the other of said circuits across said second impedance, means for building up across said second impedance a voltage out of phase with that of said source, and means for deriving the said pulses from the current flowing in said output circuit.

2,474,276
APPARATUS FOR MAKING SINUOUS BENDS IN LONG WORKPIECES
Arthur W. Payne, Detroit, Mich., assignor to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan
Application May 8, 1947, Serial No. 746,706
11 Claims. (Cl. 153—40)

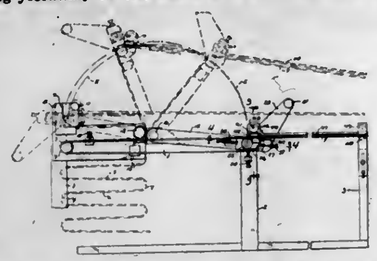
1. An apparatus for shaping stock of elongated form, such as tube, into coils of serpentine form having a succession of reverse bends, comprising a fixed arbor, a movable member mounted to move about the fixed arbor, a yieldably mounted arbor on said member, means for anchoring the stock on one side of the fixed arbor, a clamp on said member for clamping the stock on the side of the yieldably mounted arbor opposite the fixed arbor, said clamp being yieldably mounted for yieldable shift in unison with the yieldably mounted arbor, and means for moving said member about the fixed arbor to bend the stock around the said two arbors with the

also means for adjusting said third oscillator to

mounted intermediate of its ends directly on said first lever at a point thereon spaced from its

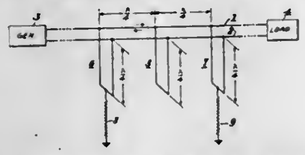
tion of the first cut but terminating short thereof, whereby to define opposed legs at the sides of the

arbor on the said member and the clamp shifting yieldably on the member to accommodate the



take-up in the stock incident to the wrapping of the stock around the arbors.

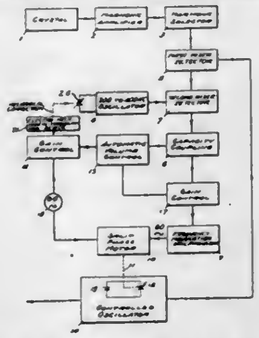
2,474,277
TRANSMISSION LINE
Sidney B. Pickles, Jackson Heights, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 19, 1945, Serial No. 583,406
6 Claims. (Cl. 178—44)



1. In combination, a balanced wave transmission line having a building-out section connected thereto in the form of a quarter-wave short-circuited transmission line section, and at least one other quarter-wave transmission line section connected to said wave balanced transmission line adjacent the first-mentioned section and located an odd number of quarter-wave lengths from said building-out section, the short-circuited end of said other section being connected to a dissipating impedance, the other end of which is connected to a point of neutral potential.

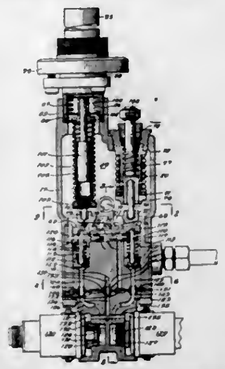
2,474,278
FREQUENCY MODULATED OSCILLATOR CONTROL
Richard H. Ranger, United States Army, Newark, N. J.
Application October 2, 1944, Serial No. 556,815
17 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Means for maintaining constant the output frequency of an oscillator, said means comprising a controlled oscillator whose output frequency is to be maintained constant, an adjustable part of said oscillator whose adjustment varies the output frequency thereof, a split phase motor joined to said part so that said motor and said part move together, a source of relatively low frequencies, a second oscillator having a relatively constant output frequency which normally has a predetermined difference from the frequency of the controlled oscillator, a third oscillator including a movable part controlled by said source and whose movements cause frequency-modulation of said third oscillator and including also means for adjusting said third oscillator to have a mean frequency which is equal to the above predetermined difference, an electric circuit connection between said source and said motor, an electric circuit connection between all three oscillators and said motor, whereby said



motor moves said adjustable part and thereby corrects the frequency of said controlled oscillator in accordance with whether or not the difference between the output frequency of said controlled oscillator and of said second oscillator is above or below that of said third oscillator.

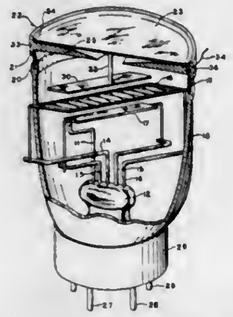
2,474,279
FOLLOW-UP SERVOMOTOR
William A. Ray, Los Angeles, Calif., assignor to General Controls Co., a corporation
Original application May 5, 1942, Serial No. 441,773, now Patent No. 2,364,659, December 12, 1944. Divided and this application November 7, 1944, Serial No. 562,337
7 Claims. (Cl. 121—41)



1. In a system for adjusting the position of a member; a motor for operating said member and capable of moving it in opposite directions; a first lever pivoted for movement through a small angle; means operated by the movement of said first lever in opposite directions for so controlling the operation of said motor that said member is correspondingly moved in opposite directions, said first lever having a neutral position wherein said motor is unoperated; a second lever pivotally

mounted intermediate of its ends directly on said first lever at a point thereon spaced from its pivot; means movable in a rectilinear path in response to change in a controlling condition and directly engageable with one end of said second lever; stop means engageable by the other end of said second lever; means biasing said first lever in a direction such that the ends of said second lever are urged into engagement, respectively, with said condition responsive moving means and with said stop means, movement of said condition-responsive moving means thus being effective to rock said second lever about said stop means as a fulcrum and thereby rock said first lever from its neutral position; and means operated by the resultant movement of said member for so adjusting the position of said stop means that said first lever is restored to its neutral position by said bias.

2,474,280
PIEZOMETRIC THERMIONIC TUBE
Jerome Rothstein, Belmar, N. J.
Application April 22, 1946, Serial No. 663,855
14 Claims. (Cl. 250—27.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



14. A piezometric tube comprising a degassed vessel, a plurality of electrodes in said vessel, a pressure-responsive member forming a portion of the outer wall of said vessel, a connection between said member and one of said electrodes for varying the thermionic current in said tube in response to the variation in said pressure, and a mechanical member capable of engaging said pressure-responsive member only after a predetermined change in said pressure for varying the sensitivity of said pressure-responsive member with the change in said pressure and for varying the pressure-response characteristic of said tube.

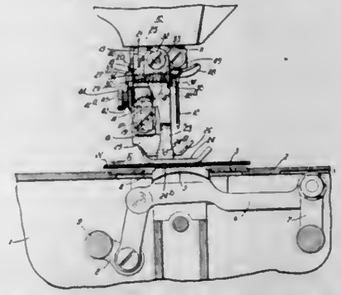
2,474,281
RAILROAD SPIKE
Ramon A. Ruiz, Habana, Cuba, assignor of sixty per cent to Gennaro Giudice, Brooklyn, N. Y.
Application August 27, 1947, Serial No. 770,894
In Cuba February 12, 1947
1 Claim. (Cl. 85—26)

In a spike, a shank having opposed cuts formed therein one of said cuts having an angular lower portion and an upper portion extended along a line drawn substantially centrally and longitudinally through the shank, the other cut being angularly extended, and opposing the angular portion of the first cut but terminating short thereof, whereby to define opposed legs at the sides of the



shank, and a wedge between and integrally connected to one of the legs.

2,474,282
TOP FEED AND ALTERNATING PRESSER ATTACHMENT FOR SEWING MACHINES
Rudolph J. Sailer, Townley, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application November 7, 1947, Serial No. 784,596
6 Claims. (Cl. 112—212)

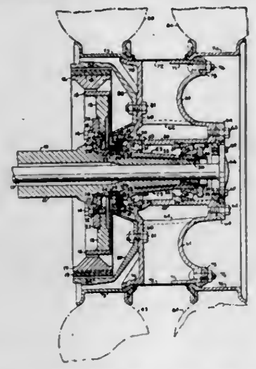


1. An attachment of the class described, comprising a supporting frame adapted to be secured to the presser-bar of a sewing machine and having spaced vertically disposed walls; a feeding member horizontally pivoted on one of said walls; a presser-member slidingly mounted on the other of said walls for vertical movement; a bracket secured to said frame; a spring mounted on said bracket and engaging said presser-member and urging it upwardly; a needle-bar-actuated arm pivoted to said bracket and engaging a portion of said presser-member to force it downwardly in opposition to said spring; and a second spring interposed between said bracket and said feeding member and normally urging said feeding member forwardly.

2,474,283
WHEEL MOUNTING IN VEHICLES
Isaac W. Simpkins, Charlotte, N. C.
Application January 2, 1948, Serial No. 33
7 Claims. (Cl. 301—128)

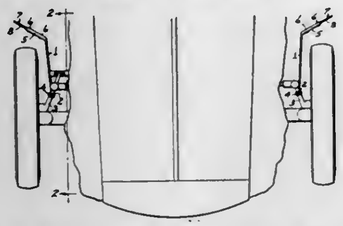
1. In a vehicle having an axle housing provided with a peripheral flange, the exterior of the axle housing being tapered outwardly in a stepped manner to provide one or more shoulders thereon,

the axle housing being exteriorly threaded at its outer end, a sleeve member disposed over that portion of the axle housing occurring between the peripheral flange and the end of the axle, and extending beyond the end of the axle housing and having a peripheral flange adapted to be secured to the peripheral flange on the axle housing and being adapted to receive roller bearings on its exterior, a wheel having a hub portion encircling said sleeve and mounted on said



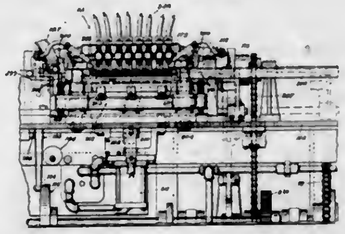
roller bearings, the exterior of the hub portion having an annular member secured thereto whose inner diameter is less than the inner diameter of the hub portion, an axle mounted in the axle housing and having a disk-like member integral with the outer end thereof and a plurality of screws penetrating the disk-like member on the end of the axle and being threadably mounted in the last-named annular member for securing the axle to the hub member of the wheel.

2,474,284
TIRE GUARD
Guy L. Smith, Cumberland, Md.
Application January 23, 1947, Serial No. 723,702
1 Claim. (Cl. 280—160)



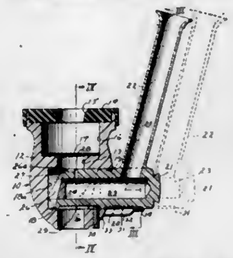
In a deflector for a motor vehicle, an arm, a clamp rigid with the arm at one end thereof and disposed at an angle to the arm, said clamp adapted to be attached to a steering arm, a channel rigid with the other end of the arm, said channel being disposed at an angle to the arm to extend outwardly of the arm when said clamp is attached to said steering arm, a flexible sheet fixed to the channel, said channel extending from the inner edge of the sheet to substantially the vertical center of the sheet, said sheet due to the angularity of the channel is arranged at an angle to the line of travel of the vehicle with the sheet being directed outwardly and rearwardly and not extending beyond the outer edge of the vehicle.

2,474,285
BANK STRIP WELDING MACHINE
William Francis Smith, Brooklyn, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 11, 1947, Serial No. 727,802
27 Claims. (Cl. 219—4)



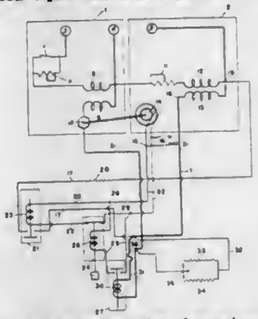
1. Apparatus for welding longitudinal wires to transverse selector pins in successive insulating bank strip bodies with successive crossover points between said wires and pins disposed in paths extending diagonally with respect to the length of said wires, comprising means for feeding parallel multiplying wires by steps at least as great as the length of a bank strip body, and welding means through which said wires are fed for welding said wires to pins of successive bank strip bodies at selected crossings during dwell intervals of the wire feed, said welding means including welding electrodes arranged in a plurality of sets spaced along the length of said wires, and means to move said electrodes as a unit in a step-by-step movement along said diagonal paths to register successively with said crossover points.

2,474,286
BUBBLE FOUNTAIN DEVICE
Leland H. Snyder, Chicago, Ill., assignor, by mesne assignments, to Quality Appliances, Inc., Chicago, Ill., a corporation of Illinois
Application March 26, 1945, Serial No. 584,825
12 Claims. (Cl. 137—111)



1. A device comprising a fitting adapted to be attached to a fluid outlet and having a fluid flow passage extending therethrough, a hollow cylindrical valve extending transversely of said passage and slidable therein to close or open said passage and a spout movable with said valve and connected to the interior thereof to divert fluid from said passage when the same is closed by said valve.

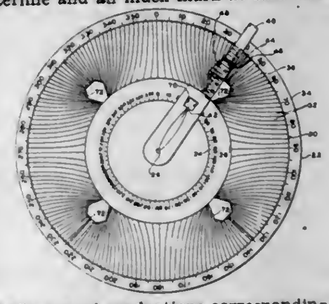
2,474,287
VOLTAGE REGULATOR
Gerald B. Steincross, Long Beach, Calif.
Application September 4, 1945, Serial No. 614,327
2 Claims. (Cl. 322—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an apparatus of the character described including a motor generator set, the motor of which is provided with a series field and the generator of which is provided with a compounding field; a shunt circuit across said compounding field including a shunt resistor and a shunt relay connected in series, the shunt relay being set to maintain said shunt circuit closed in response to approximately normal voltage of said generator; an operating circuit for said shunt relay including a time delay relay connected in series with the actuating element of said shunt relay between the output terminals of said generator, the time delay relay being adjusted to open the shunt relay operating circuit after the lapse of a predetermined time period after the energization of said time delay relay; an operating circuit for said time delay relay comprising a current relay connected in series with the actuating element of the time delay relay across the output terminals of said generator, said current relay being adjusted to close said time delay relay operating circuit when the current flowing through the actuating element of said current relay exceeds a predetermined magnitude; and an operating circuit for said current relay connecting the actuating element thereof in series with the armature and series field of said motor and the compounding field of said generator; whereby said shunt circuit is opened a predetermined time after the load on said generator exceeds a predetermined magnitude.

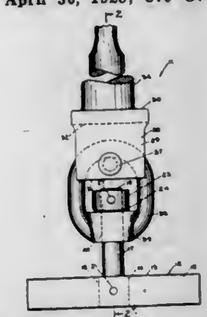
2,474,288
OCTANTAL ERROR CALCULATOR
Gilbert Swift, Tulsa, Okla., and Charles B. Moore, Elberon, N. J.
Application July 7, 1945, Serial No. 603,738
10 Claims. (Cl. 235—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A calculating device for indicating true azimuthal angles in radio direction receiving apparatus for radio waves having deflection errors, comprising a dial provided with a graduated circle for measuring indicated bearing angles, curves on said dial having angular variation progressively and proportional to true constant bearings for corresponding indicated bearing corrections and frequency; means identifying the bearing values of said curves; a pointer arm pivotally mounted at the center of said dial, said pointer having a centerline and an index mark at said circle and



radially spaced graduations corresponding to respective frequency values at their intersections with said dial curves.

2,474,289
JIG FOR SWIVEL LINKS
Catalino G. Tago, Brooklyn, N. Y.
Application August 13, 1946, Serial No. 690,199
2 Claims. (Cl. 90—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

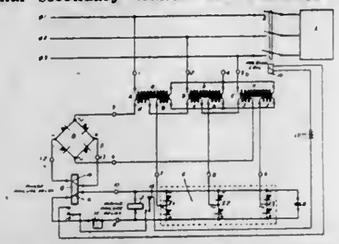


1. A jig for use in tooling a swivel link having a swivel-axis bore through one end, said jig comprising a shank for extending in axial and rotary sliding movement through the link bore, a tool fixedly mounted on the end of the shank extending into the link, said tool facing the link at the inner end of the link bore, means for supporting the end of the link opposite to the bore end, and means for locking the supporting means and link together for rotational movement.

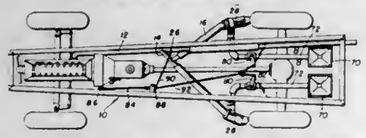
2,474,290
PHASE FAILURE INDICATING DEVICE FOR POLYPHASE SYSTEMS
Victor John Terry and Richard Kelly, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 2, 1944, Serial No. 561,620
In Great Britain October 26, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 26, 1963
5 Claims. (Cl. 175—294)

1. A voltage operated phase failure indicating arrangement for a three phase electric power supply circuit comprising, three primary transformer windings connected in star formation and

in shunt to each phase of the supply circuit, three corresponding secondary windings adapted to generate voltages at the third harmonic of the supply frequency, a local circuit including a phase failure relay, means for applying said third harmonic voltages to said local circuit, three additional secondary transformer windings corresponding respectively to said first mentioned secondary windings and connected to produce a resultant voltage at the fundamental frequency and means for applying the voltage from said additional windings to said local circuit whereby said relay is operated upon phase failure of said supply circuit, further comprising a mains failure relay and means for applying said resultant voltage to operate said mains failure relay upon failure of at least two of the phases.



2,474,291
ANTISKID DEVICE
Alva F. Warden, Gary, and Lloyd A. Harry, Crown Point, Ind.
Application April 9, 1947, Serial No. 740,378
3 Claims. (Cl. 291—16)



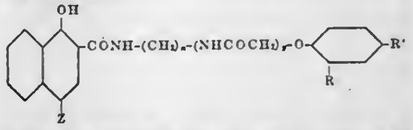
1. An anti-skid device comprising a vehicle chassis, an exhaust pipe secured thereto, a conduit secured to said exhaust pipe, a branch conduit communicating with said conduit, means for retaining abrasive material communicating with said conduits, valve means associated with said retaining means and said conduit, common means for actuating all of said valve means, means for resiliently urging said valve means in a closed position, a muffler sleeve mounted at the ends of said conduit and branch conduit, pressure responsive valves disposed in said muffler sleeves, said common means comprising a plurality of cables journaled on said chassis, said cables terminating in a single master draw cable.

2,474,292
ADHESIVE TAPE FOR LAMINATING
Charles L. Weidner, New Brunswick, and Laszlo Walter Eger, Perth Amboy, N. J., assignors to Industrial Tape Corporation, a corporation of New Jersey
No Drawing. Application August 13, 1943, Serial No. 498,594
3 Claims. (Cl. 117—122)

1. For use in laminating plywood material, a laminating tape comprising a flexible fibrous backing impregnated throughout with an adhesive mixture which includes a major portion on a dry weight basis of a partially reacted water soluble resin selected from the group consisting of partially reacted phenol-aldehydes, urea-aldehydes, and melamine-aldehydes, a minor portion of a water soluble film-forming material for imparting internal strength and augmenting adhesiveness selected from the group consisting of high polymeric cellulose derivatives, vinyl esters, and vinyl alcohols, and a minor portion, exceeding by weight the weight of said film-forming material in the composition, of a humectant selected from the group consisting of the glycols, glycerol and lactic acid capable of absorbing moisture from the air to maintain the adhesive constantly activated for immediate use, said resin being heat-settable under the conditions of plywood bonding to enable the tape to become a water-insoluble and shear-resisting section of the finished plywood material.

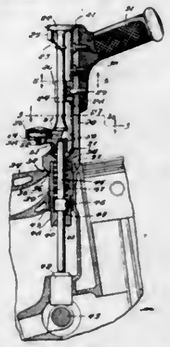
2,474,293
1-NAPHTHOL-2-CARBOXYLIC ACID AMIDE COUPLERS FOR COLOR PHOTOGRAPHY
Arnold Weissberger, Ilmari F. Salminen, and Paul W. Vittum, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 10, 1947, Serial No. 773,290
7 Claims. (Cl. 95—6)

1. A photographic emulsion for forming colored images comprising a silver halide emulsion having incorporated therein a coupler compound having the formula:



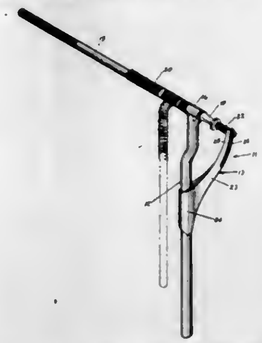
where Z is selected from the class consisting of hydrogen and chlorine, R and R' are alkyl groups of from 1 to 5 carbon atoms, n is an integer from 2 to 4, and y is selected from the class consisting of 0 and 1.

2,474,294
VALVE GAUGE
Norman Orin Weeks, Inglewood, Calif.
Application April 24, 1947, Serial No. 743,483
2 Claims. (Cl. 33—181)



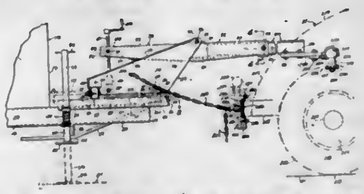
1. A device of the character described, for gauging valves for internal combustion engines having stems, comprising a tubular body member, adapted to receive the stem of the valve, a bevelled seat at the upper end of the body to receive the valve head, a sleeve secured to the lower end of the body, a plunger rod slidable in said sleeve and protruding from the lower end of said sleeve, a spring pressing said plunger rod downwardly and an indicator mounted on said rod externally of said sleeve and laterally of said rod, an operating arm carried by the indicator and extending into the vertical line of the stem, and adapted to engage the stem of said valve and cause the indicator to operate to indicate the proper clearance between the valve head and the seat at the upper end of the body.

2,474,295
SCREW DRIVER
Stephen P. Wheeler, Norristown, Pa.
Application September 10, 1945, Serial No. 615,486
1 Claim. (Cl. 145—50)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



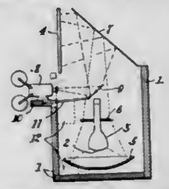
A screw driver comprising a handle having a bearing at one end, a blade having a shank rotatably supported in said bearing and at right angles to said handle and a turning means comprising a knurled shaft operably connected to said shank by means of a coil spring, and a retractable screw holder slidably mounted on said handle and having a pair of flexible prongs adapted to engage the stem of a screw at a point away from the screwhead to support said screw in a position to be operated on by said blade.

2,474,296
TOWING DEVICE FOR TRAILERS
Duane Wiitsee, Ann Arbor, Mich.
Application January 4, 1946, Serial No. 638,985
19 Claims. (Cl. 280—33.44)



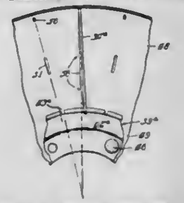
1. A towing device for connecting a trailer to a forward pivot member on a towing vehicle, comprising a support attachable to the trailer, a rearward pivot member mounted on said support, a towing structure pivotally mounted on said rearward pivot member and pivotally connectable to said forward pivot member, mechanism for releasably restraining said rearward pivot member from pivoting operation during turning of the towing vehicle in excess of a predetermined turning radius, and devices responsive to a turning of said towing vehicle through less than said predetermined radius for rendering said forward pivot member ineffective for further pivoting operation while releasing said restraining mechanism to render said rearward pivot member effective for pivoting operation.

2,474,297
COMBINATION TELEVISION RECEIVER AND PICTURE PROJECTOR
Norman H. Young, Jr., Jackson Heights, N. Y., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 16, 1946, Serial No. 641,582
4 Claims. (Cl. 88—24)



1. A combination television receiver and motion picture projector, comprising a rear projection television receiver having a cathode ray tube positioned vertically with its fluorescent screen bottommost, a spherical mirror reflecting upward the images from said fluorescent screen, a plane translucent screen mounted vertically, a plane mirror reflecting the image from said spherical mirror to said screen, and a correcting lens positioned between said spherical mirror and said plane mirror; a motion picture projector; means for mounting said projector; and an auxiliary reflecting system located above said cathode ray tube between said correcting lens and said plane mirror and substantially in alignment with the longitudinal axis of said cathode ray tube, said auxiliary reflecting system being directed to reflect light from said projector to said plane mirror.

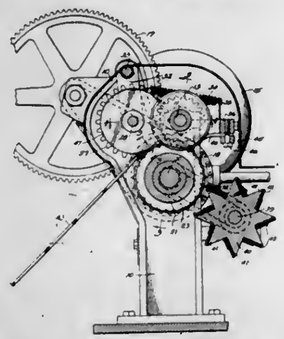
2,474,298
FLUID WHEEL
Reinhold C. Zeidler, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application September 11, 1944, Serial No. 553,525
20 Claims. (Cl. 103—115)



1. A wheel for a fluid coupling comprising a rotatable shell having blade seating means, and a

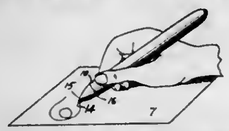
blade mounted in said means, said blade comprising a flexible normally flat plate, and integral tabs on a margin of said plate, one of said tabs being preformed by being bodily skewed out of alignment with the plate, the reflex action induced by warping the skewed tab in its seat securely anchoring the plate and preventing vibratory movement thereof.

2,474,299
INTESTINE SPLITTING MACHINE
Minton S. Atkisson, Wilmette, and Arthur E. Schneider, Itasca, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
Application March 8, 1947, Serial No. 733,328
15 Claims. (Cl. 164—61)



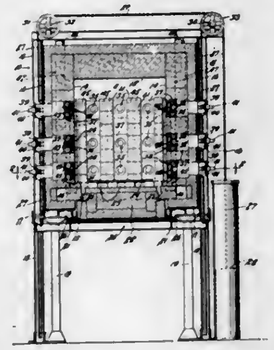
15. In apparatus of the character set forth, a frame, a bed roll rotatably mounted therein and having a circular recess therein, resilient gripping means carried by said bed roll on each side of said recess, a rotary cutter having its cutting edge received in said recess, means for guiding an intestine between said blade and said recess, and spaced feed disks adjustably mounted on a driven shaft and on each side of said rotary cutter, said disks having teeth inclined in the direction of rotation of said disks, said disk being so positioned as to feed material to be cut against said resilient gripping means.

2,474,300
BALL POINT FOUNTAIN PEN
Harald H. Band, Kew Gardens, N. Y.
Application January 9, 1947, Serial No. 720,968
2 Claims. (Cl. 120—42.4)



1. In a ball point pen, a handle structure having an ink discharging opening therein and a ball seat, a scribing ball engaging with the ball seat to receive ink from the opening thereof, and said structure having depending lips extending downwardly over the opposite sides of the ball below an equatorial plane of the ball extending transversely through the longitudinal axis of the structure and each of said lip portions having an arched enclosing wall of substantial length but less than the length of a semi-circle whereby to relieve the ball face at the opposite sides of the structure and to permit the low angle use of the pen from two directions.

2,474,301
METHOD OF FIRING THE CHAMBERS OF KILNS
Emil Blaha, Cheltenham, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application April 18, 1946, Serial No. 663,159
15 Claims. (Cl. 25—157)

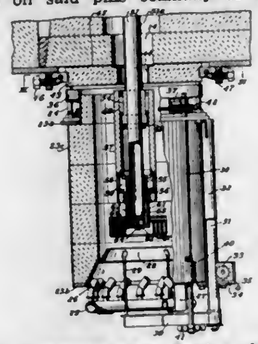


4. The method of firing the chamber of a kiln which comprises burning a combustible gas mixture at separate vicinities in open communication with the chamber and closely adjacent to a plurality of refractory lined heat radiating regions distributed about the chamber to heat the regions to incandescence, such mixture including a combustible gas and a combustion supporting gas as active constituents thereof, supplying to the vicinities such gas mixture having an excess of one of the active constituents, drawing into the chamber supplementary gas which will produce the desired atmosphere in the chamber and act to further the combustion of the gas mixture upon mixing with said one active constituent, producing a negative pressure in the chamber to cause the supplementary gas to be drawn therein by diverting from the vicinities the gases of the chamber atmosphere adjacent thereto and a substantial fraction of the heated gases generated by said combustion at the vicinities before such heated gases become an active component of the furnace atmosphere, and flowing the diverted gases exteriorly of the chamber in a path of flow which is in thermal exchange relation and out of physical contact with the chamber atmosphere, the supplementary gas being capable of promoting further combustion of the diverted gases in the path of flow.

2,474,302
GLASSWARE-FORMING APPARATUS
Edward Danner, Newark, Ohio
Application December 6, 1943, Serial No. 512,996
9 Claims. (Cl. 49—17.1)

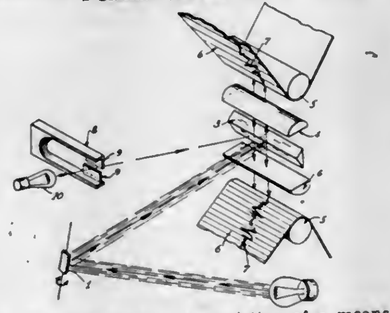
1. In glass-forming apparatus, a blow-pipe extending through means for delivering a downwardly flowing stream of molten glass, a member fitting over the lower end of the pipe and supported thereon, pins extending radially from said

member, and a plurality of spaced coaxial shells mounted on said pins coaxially of said pipe



adapted to receive glass flowing downwardly around said pipe.

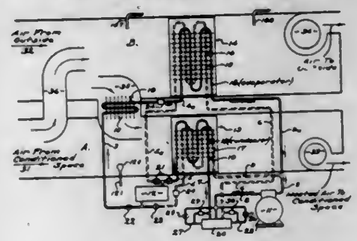
2,474,303
OSCILLOGRAPHIC RECORDING APPARATUS
Richard M. Davis, Oklahoma City, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 13, 1947, Serial No. 734,495
1 Claim. (Cl. 346—33)



A recording apparatus consisting of a means for producing a beam of light oscillating in a fixed plane, an elongated reflector having a cross-section in the form of a triangle arranged in the direct path of said beam of light with its apex in the plane of oscillation of said light beam, a focusing lens arranged on either side of said triangular reflector with its axis parallel with the axis of said triangular reflector and means for passing a sensitized strip through the focal point of each of said focusing lenses in a direction transverse to the direction of oscillation of the light beam passing through said lenses from said reflector, whereby duplicate records are obtained.

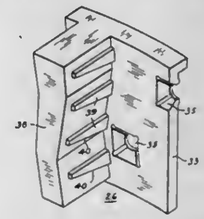
2,474,304
REVERSIBLE CYCLE HEAT PUMP
Gilbert E. Clancy, Los Angeles, Calif., assignor to Drayer-Hanson, Los Angeles, Calif., a copartnership
Application January 28, 1946, Serial No. 643,941
19 Claims. (Cl. 62—6)

1. In a reversible cycle heat pump of the type which includes structure embodying a conditioning passage for fluid to be heated or cooled, another passage for a heat carrying fluid, means for moving a fluid to be heated or cooled through the conditioning passage, means for moving a heat carrying fluid through the other passage, a condenser coil and an evaporator coil positioned in each of the two passages in heat transferring relation to the fluid flowing therein, refrigerant conduit circuiting including two parallel refrigerant circuits each of which includes the condenser coil in one fluid passage and the evaporating coil



in the other fluid passage, and valvularly controlled means for circulating refrigerant selectively through either circuit; the improvement which comprises structure forming an entrance through which a restricted amount of heat carrying fluid is introduced into the conditioning passage from the other passage, a refrigerant subcooling coil in said entrance, and conduit means by which the sub-cooling coil is incorporated in one of the refrigerant circuits between the condenser and the evaporator of that circuit.

2,474,305
BEATER ELEMENT FOR PULVERIZING APPARATUS
Ollison Craig, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application April 6, 1945, Serial No. 586,943
2 Claims. (Cl. 241—195)

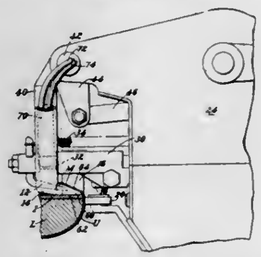


1. A beater element for a pulverizing apparatus comprising a rotor wear plate shaped as a circular ring sector and having openings therein to facilitate its attachment to a rotor disk, a substantially rectangular flat blade integral with the plate and extending in an approximately radial plane from one face of the plate, the length of the blade (measured radially) being considerably greater than its width, and a series of generally parallel ribs extending from the plate and across the front surface of the blade in directions approximately perpendicular to the plate, the ribs having inner surfaces which lie at obtuse angles with the plate.

2,474,306
CELLULOSIC PRODUCTS
Leonard Doub, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application February 23, 1945, Serial No. 579,490
6 Claims. (Cl. 260—212)

1. A lyophilic aggregate of independent fibers of a cellulose having a carboxyl content between about 2% and 23% selected from the class consisting of oxidized cellulose and partially neutralized oxidized cellulose, the oxidized cellulose of said fibers being at least partially in the form of its reaction product with a high molecular weight quaternary ammonium salt wetting agent.

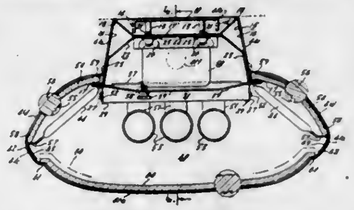
2,474,307
LASTING MACHINE
Joseph Fossa, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 19, 1945, Serial No. 623,289
7 Claims. (Cl. 12—9)



1. In a lasting machine, the combination with a member for engaging the bottom of a shoe adjacent to the edge thereof, means for tensioning stock to be lasted, in different locations progressively along the edge of the shoe bottom, by drawing the lasted margin of the stock in each location inwardly over the shoe-bottom-engaging member and in a direction substantially parallel to the bottom of the shoe, and means operating in time relation to said tensioning means for pressing the overdrawn lasting margin in each location against the bottom of the shoe, of means for applying heat to the lasting margin and shoe-bottom part, during the operation of said tensioning and overdrawing means, to activate adhesive thereon before the lasting margin is pressed against the shoe-bottom part by said pressing means.

2,474,308
SURFACE ATTACHED LIGHTING EQUIPMENT
Kurt Franck and Vearl S. Wince, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application November 29, 1946, Serial No. 713,126
10 Claims. (Cl. 240—51.11)

1. Fluorescent lighting equipment for direct and indirect lighting, comprising a fluorescent lamp ballast, an elongated body receiving the ballast and wiring and having longitudinally extending outwardly directed flanges along its lower edges at substantially the level of the bottom of the ballast, a bottom cover for the wireway, lamp sockets supported by the body at its ends, lamps in the sockets and at a level below the bottom cover and flanges, end plates carried by the body outside the sockets, the end plates extending below the lamps and their lower portions being substantially wider than the width of the space occupied by the lamps, longitudinal members interconnecting the end plates and disposed at a

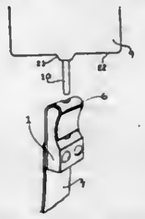


level slightly below that of the lamps, the upper portions of the longitudinal members having inwardly directed flanges and upwardly directed stops outside of and above the flanges, and light transmitting plates resting on the body flanges, the upper inwardly directed flanges and behind the stops.

2,474,309
WEATHER RESISTANT COMPOSITION
Philip Tucker Gidley, Fairhaven, Mass., assignor, by mesne assignments, to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 8, 1944, Serial No. 562,571
3 Claims. (Cl. 260—23.7)

2. A vulcanized composition of matter characterized by superior sunlight resistance and ultimate elongation of at least 480% and a tensile strength of at least 2405 pounds per square inch, said composition consisting of: 100 parts of a rubbery butadiene-acrylonitrile copolymer, mixed homogeneously with a substantially equal amount of a resinous polymer of vinyl acetate; 40 parts of carbon black; 20 parts of dioctyl phthalate; 30 parts of tricresyl phosphate; 10 parts of dibenzyl sebacate; 8 parts of zinc oxide; 2 parts of sulfur; 1.5 parts of benzothiazyl disulfide; 1.5 parts of phenyl beta naphthylamine; 1.5 parts of paraffin wax; 1.5 parts of stearic acid.

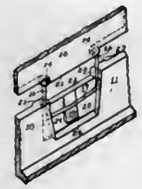
2,474,310
ELECTRICAL CONNECTOR
Hallan E. Goldstine and Oswin F. Voigt, Port Jefferson Station, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application March 22, 1944, Serial No. 527,596
3 Claims. (Cl. 173—269)



1. An electrical connection device for making connections to the pins of a vacuum tube, com-

prising a body portion having a circular aperture arranged to extend along its length for the passage of one of said pins therethrough, said body portion having located on one of its sides a concaved portion which extends into the zone of said circular aperture, a spring tension device having an aperture therein which is positioned to register with the circular aperture in the body portion, said spring being secured to one end and fitted over one side of the apertured end and the concave side portion of said body portion, and a connection lead secured to said spring tension device and said body portion.

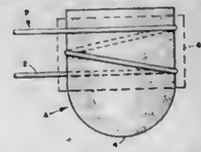
2,474,311
HINGED CASING STRUCTURE
Philip J. Graham, Worcester, Mass., assignor to Trig Corporation, Worcester, Mass., a corporation of Massachusetts
Application October 25, 1947, Serial No. 782,159
1 Claim. (Cl. 220—31)



A hinged casing comprising a receptacle and a cover formed of moulded plastic material having opposed hinge walls, one of the walls having a projection moulded thereon which is provided with axially aligned pivot sockets, and the other wall having a moulded wall portion interfitting with the projection and having a laterally opening recess, ribs at the opposite ends of the recess forming with said wall portion opposed open-ended channels which face towards the pivot sockets, a substantially U-shaped resilient locking member having straight arms slidably mounted in the channels and terminating in axially aligned pivot ends bearing in said sockets and a resilient crossbar integrally connecting said arms which is positioned laterally by the arms in the channels, said pivot ends, arms and bar lying substantially in a plane parallel with the axis of the sockets, and a wedge-shaped lug tapering towards the pivots and projecting laterally from the inner face of the recess beyond the center of and in the path of movement of the crossbar as located by the channels, the end of the lug forming a locking shoulder spaced from the pivot sockets by substantially the length of an arm, so as to cause the central portion of the crossbar to spring laterally when moved along the channels and then to snap into a locking position under the lug shoulder and hold the parts assembled.

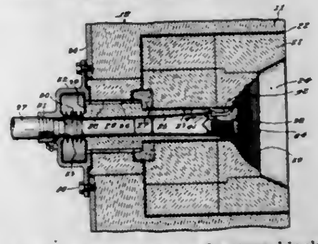
2,474,312
STYLUS
Gregory Halpern, New York, N. Y., assignor to Polychrome Corporation, Yonkers, N. Y., a corporation of New York
Application September 21, 1946, Serial No. 698,545
15 Claims. (Cl. 219—21)

1. A two-piece stylus for inscribing on a heat-sensitive surface comprising a heat absorbing and transmitting stylus member and a heating element therefor, said stylus member being formed



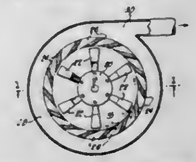
of a substance from the group consisting of natural and artificial gems and silicon carbide.

2,474,313
INCANDESCENT GAS BURNER FOR FURNACE WALLS
Frederic O. Hess, Philadelphia, Pa., assignor to Selas Corporation of America, a corporation of Pennsylvania
Application October 25, 1943, Serial No. 507,492
11 Claims. (Cl. 158—7)



11. A burner including a refractory block having a cavity formed in one face thereof, said cavity having converging sides that terminate in an opening that extends through said block, a distributor comprising a body portion received in said opening and a head portion projecting into said cavity, said body being formed with passages of uniform size extending from the end thereof in said opening toward said head, said head being formed with transversely extending passages forming continuations of said first mentioned passages, the passages in said head increasing in size from said first mentioned passages to the periphery of said head and said head having a smooth portion beyond the passages formed therein extending into said cavity.

2,474,314
METHOD AND APPARATUS FOR SIZE REDUCTION AND FIBERIZING OF CRUDE FIBROUS MATERIALS
Frank J. Koehne, Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application November 28, 1944, Serial No. 565,546
10 Claims. (Cl. 241—4)



1. The method of dry crushing and opening coarse fibrous material which comprises, forming

and maintaining a thin suspension of the coarse

bands having outwardly offset upper and lower

are rendered immovable relative to each other,

and maintaining a thin suspension of the coarse material in a rapidly rotating gaseous fluid vortex, reducing and fiberizing the charge material by centrifugal impact against striking surfaces and by mutual impingement of particles, deflecting the rotational gas flow inwardly at said striking surfaces and developing inertia momentum of incompletely fiberized material tending to retain it within the vortex, and selectively removing suitably reduced and opened fibers tangentially outward from the attrition zone before excessive attrition thereof by reversing the direction of flow of said reduced and opened fibers at the periphery of the vortex.

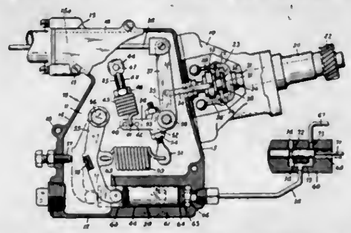
2,474,315
TOBACCO CAN ELEVATOR
Abraham H. Lavietes, Shelton, Conn.
Application May 17, 1947, Serial No. 748,817
2 Claims. (Cl. 206—41.1)



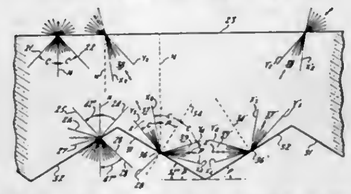
1. In a container comprising upright walls and open at the top, a pivoted closure for said open top, an upright guide member in the container adjacent one of said walls and comprising a substantially flat strip provided with a longitudinal slot having a series of teeth along one edge of said slot, said teeth having substantially horizontal upper edges, a toothed rack mounted for longitudinal reciprocating movement in said guide member, a material support comprising a horizontal supporting portion extending laterally from the guide member and an upright portion provided with lugs cut and bent laterally from the upright portion engaging over the edges of the slot to guide said support for longitudinal sliding movement along the guide member, said support being provided with a shoulder having one way operative engagement with the teeth of the rack to shift the support upwardly, a spring lug cut and bent laterally from said upright portion of the support and inclined downwardly directly from said portion with its lower free end in position to engage the upper edges of the teeth at the edge of the slot to prevent downward movement of the support, and means for causing reciprocating movement of the rack to elevate the support.

2,474,316
TWO-SPEED GOVERNOR
Walter M. May, Plainfield, N. J., and Laurence E. Burgess, Allentown, Pa., assignors to Mack Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Application May 7, 1948, Serial No. 25,684
6 Claims. (Cl. 74—472)

1. In a variable engine speed governor for a vehicle having a change speed transmission shiftable between higher and lower gear ranges; the combination of throttle control means, a centrifugal governor adapted to be connected to and driven by the engine, means for connecting said governor to said throttle control means and tending to move the latter to limit the engine speed, first means opposing the movement of said throttle control means to restrict said engine speed to a predetermined speed in said higher gear ranges, and second means connected to said transmission and responsive to shifting of the transmission into said lower gear ranges to increase the opposition to the movement of the throttle control means in the lower gear range to allow the engine speed to exceed said predetermined maximum.



2,474,317
LIGHT REFRACTING AND TRANSMITTING PLATE AND LIGHTING EQUIPMENT USING THE SAME
Robert G. McPhail, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application April 23, 1946, Serial No. 664,164
20 Claims. (Cl. 240—106)



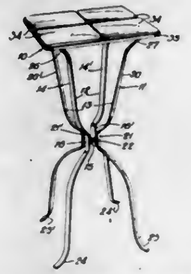
3. A light transmitter composed of a refracting medium denser than air and having in a longitudinally extended plane a first surface so that light rays in air in a normal longitudinally extended plane and converged on a point thereon throughout 180° are concentrated on entry into an internal sector-like region whose width equals twice the critical angle C of the medium, and light in the medium converging on a point on said surface at angles not greater than said critical angle, can pass outwardly through said latter mentioned point, and a second surface composed of a series of contiguous, identical, symmetrical prismatic elements with straight sides and wherein the angle each of said sides makes with the plane of the first surface equals substantially

$$\frac{2}{y}(90°-C)$$

where y is an odd integer greater than unity.

2,474,318
KNOCKDOWN STAND OR TABLE
Charles P. Molla, New Hyde Park, N. Y.
Application February 18, 1946, Serial No. 648,395
3 Claims. (Cl. 311—35)

3. A leg frame for knockdown stands of the character described, said frame comprising two leg members, each leg member comprising two flat bands of substantially the same width and thickness throughout the length thereof, the bands having outwardly offset upper and lower ends and inwardly offset parallel central portions, a flat strap integrally joining and spacing the inwardly offset central portions of the bands, said straps being of the same width as the bands, the strap of one leg member being straight and having a central aperture, the strap of the other leg member being offset centrally to snugly receive the first mentioned strap to key the members in position at right angles to each other, and the offset portion of the last mentioned strap having a pin adapted to extend through the aperture in the first mentioned strap.

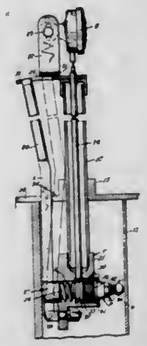


2,474,319
COUPLING FOR PIPING
Jacques Mulier, La Garenne Colombes, France; vested in the Attorney General of the United States
Application November 27, 1942, Serial No. 467,153
In France September 10, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires September 10, 1960
4 Claims. (Cl. 285—196)



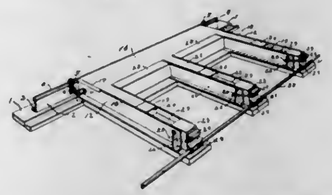
1. In a coupling for cylindrical members, the combination of a sleeve of compressible material formed with a cylindrical interior conformably telescoped on the exterior of one of the cylindrical members, said compressible sleeve having an external taper flaring toward its axially outward end and in a direction away from the joint between the cylindrical members, an annular bead formed on the exterior of the sleeve adjacent its axially inward or leading end, an externally threaded union surrounding the sleeve and the cylindrical members and formed with a cylindrical internal portion telescoped on the cylindrical members and bridging the joint therebetween, said union having another tapered internal portion surrounding and overlying said compressible sleeve and flaring in the same direction as the external taper on said sleeve but at a smaller acute angle, clamping nut means including a cap nut threaded on the union, and distortible locking means surrounding a cylindrical member so as to transmit pressure between the outer end of the nut means and the outer or trailing end of said compressible sleeve whereby the sleeve is compressed between the internally tapered portion of the union and the exterior of the cylindrical member and whereby the parts are rendered immovable relative to each other, the trailing end of the compressible sleeve being formed adjacent its radially outward extremity with a radially inwardly projecting annular lip extending to engagement with the exterior of the cylindrical member at an axially outward slant toward the outer end of the nut, the said means transmitting pressure directly to said annular lip.

2,474,320
WALL THICKNESS INDICATOR
John S. Pelan, Plainfield, N. J., assignor to Mack Manufacturing Corporation, New York, N. Y., a corporation of Delaware
Application March 20, 1944, Serial No. 527,157
10 Claims. (Cl. 73—119)



1. Wall thickness indicator comprising a bearing member adapted to make longitudinal line contact with the bore of a cylinder at spaced points on its inner wall, a contact member slidable on said bearing member and adapted to be projected into engagement with the opposite side of said cylinder bore, means for suspending said members within said cylinder bore, means for applying a predetermined pressure on said contact member when in engagement with said opposite side of the cylinder bore, and means for indicating the extent of projection of said contact member.

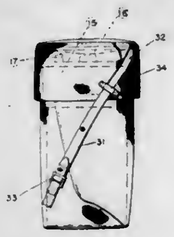
2,474,321
MOLD FOR CONCRETE STEPS
Colquit Peterson, Tampa, Fla.
Application December 17, 1945, Serial No. 635,442
3 Claims. (Cl. 25—118)



1. An adjustable mold for monolithic portable steps comprising a front plate, end plates adjustable longitudinally of the front plate, and a clamp for each end plate having two arms, one to bear against the outer surface of the vertical

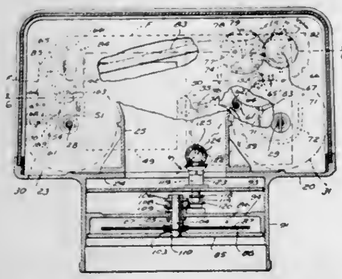
wall of the front plate and having a screw to bear against the wall at about midway of its height, and the other arm having a bolt pivoted thereto for detachable engagement with the end plate and a nut on the bolt to draw and hold the end plate in tight engagement with the front plate.

2,474,322
WATER FILTER CARRYING CASE
David H. Quinn, United States Navy
Application July 31, 1946, Serial No. 687,502
4 Claims. (Cl. 150—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



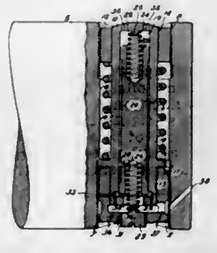
4. A container operable to provide a carrying case for a portable water purifier unit and also to provide a water scoop and reservoir for the purifier, comprising a substantially cylindrical open top container having a bottom, the side wall of the container being of flexible material and including a hollow flap portion which may be opened to enlarge the capacity of the container or folded around the purifier when it is used as a carrying case, a hinged cap adapted to telescope over the container when used as a carrying case having a split side wall, and a single securing means to draw said split wall together; prevent hinged movement of said cover; and retain said flap portion folded around the purifier.

2,474,323
CAMERA FOR PHOTOGRAPHING OBJECTS MOVING RELATIVELY TO THE CAMERA
George Rattray, Mineola, N. Y., assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y., a corporation of Delaware
Application September 20, 1944, Serial No. 554,899
4 Claims. (Cl. 95—12.5)



1. In camera construction, in combination, a film magazine adapted to receive strip film, means for moving film across the focal plane of the camera during the exposure period, film feeding means associated with and operated by said film moving means for moving said film in the same direction between exposures but at a faster rate than during an exposure, and means operated by said film moving means for creating slack at the supply end of said film as the movement of said film accelerates during its period of faster movement between exposures.

2,474,324
GOVERNOR
James L. Ray, Elm Grove, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 9, 1945, Serial No. 581,833
11 Claims. (Cl. 264—17)



3. A governor, comprising: a rotary member; first means mounted on said member for movement relative to the axis of rotation of said member in response to centrifugal force; resilient means opposing the centrifugal force acting on said first means when said member is rotating; auxiliary means mounted on said member for movement relative to said axis of rotation in response to centrifugal force; and means whereby centrifugally-caused movement of said auxiliary means augments the force tending to move said first means in response to centrifugal force.

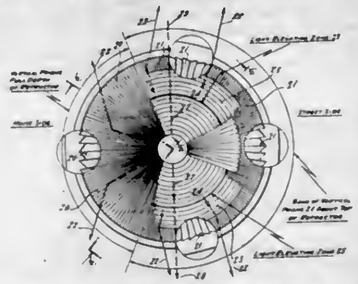
2,474,325
AQUEOUS LUBRICANT
Thomas T. Rodgers, Milwaukee, Wis.; Thomas T. Rodgers, Jr., executor of said Thomas T. Rodgers, Sr., deceased
No Drawing. Application April 7, 1943, Serial No. 482,114
4 Claims. (Cl. 252—49.3)

2. A lubricant composition entirely composed of a single phase homogeneous aqueous solution containing in solution from 0.1% to 10% of amino amide of halogenated stearic acid and 0.1% to 20% of a free amine.

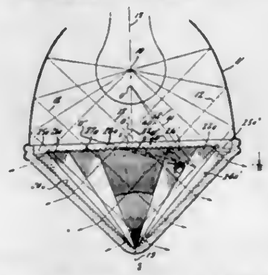
2,474,326
STREET LIGHTING LUMINAIRE
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application December 18, 1945, Serial No. 635,698
5 Claims. (Cl. 240—25)

5. A street lighting refractor in the form of a bowl with downwardly and inwardly extending side walls, the upper part of the side walls having systems of vertical light concentrating prisms, the lower parts of the walls below the central

portion of each system of prisms having a vertically disposed series of horizontal prisms of variant refracting power which elevate downwardly divergent light rays into parallelism.



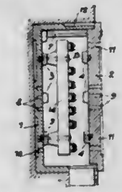
2,474,327
STREET LIGHTING LUMINAIRE
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application May 7, 1946, Serial No. 667,826
11 Claims. (Cl. 240—106)



1. A street lighting refractor having the general shape of an inverted circular cone, the upper surface of the refractor being divided into sectors, on opposite sides of a median vertical plane, each sector including a plurality of pyramidally disposed flat areas, each of these flat areas having a system of parallel light elevating prismatic ridges of uniform refracting power and running in a direction oblique to the horizontal, whereby downwardly directed light rays crossing the axis of the cone at uniform vertical angles and falling on said system of prisms, are deviated uniformly vertically and also deviated laterally toward the median plane, the refracting power of the systems of ridges increasing as the flat areas are more remote from the median plane so that the transmitted rays are directed in the general direction of said plane.

2,474,328
JUNCTION BOX FOR ELECTRIC LINES
Alfred Rothfuchs, Zurich, Switzerland
Application January 8, 1946, Serial No. 639,851
In Sweden February 22, 1944
3 Claims. (Cl. 174—50)

1. A junction box of the character described comprising two interfitting parts, a hollow housing and a cover plate for said housing, respectively, said housing having an end wall arranged opposite said cover plate, inwardly directed and opposed projections disposed on the respective inner faces of said end wall and of said cover plate, said projections being adapted for detachably mounting thereon a carrier for terminals,



and diagonally disposed securing means engaging said end wall and said cover plate independently of the position of the cover plate with respect to a support to which said junction box may be applied or in which said junction box may be set in, selectively.

2,474,329
DRILLING FLUID FOR HEAVING SHALE
Richard A. Salathiel, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application January 13, 1948, Serial No. 2,139
4 Claims. (Cl. 252—8.5)

1. A drilling fluid for preventing the hydrous disintegration of shales comprising clay, water, 6 to 15% sodium hydroxide by weight based on the fluid, 1 to 10% by weight based on the fluid of an alkali metal salt of a weak inorganic acid for promoting the effectiveness of the sodium hydroxide in preventing disintegration of shale, and sodium chloride in an amount substantially to saturate the said fluid.

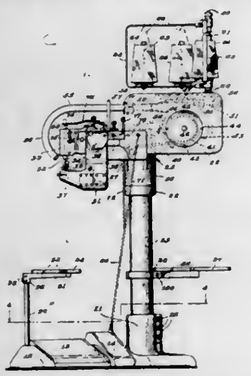
2,474,330
AQUEOUS BASE DRILLING FLUID FOR HEAVING SHALE
Richard A. Salathiel, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application January 30, 1948, Serial No. 5,500
4 Claims. (Cl. 252—8.5)

1. A drilling fluid for preventing the hydrous disintegration of shales comprising clay, water, 6 to 15% sodium hydroxide by weight based on the fluid, 1 to 10% by weight based on the fluid of an alkali metal salt of an organic acid having at least two carbon atoms and not more than four carbon atoms for promoting the effectiveness of the sodium hydroxide in preventing disintegration of shale, and sodium chloride in an amount to saturate substantially the said fluid.

2,474,331
SEWING MACHINE UNIT
George Sauer, Berwyn, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application June 29, 1945, Serial No. 602,198
11 Claims. (Cl. 112—258)

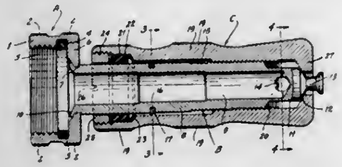
1. In a sewing machine unit, a base, a tubular post extending upwardly from said base, support-

ing means secured to said post above and in spaced relation to said base, a sewing machine carried by said supporting means to one side of said post and in spaced relation to said post and said base, power means carried by said supporting means to



the opposite side of said post and in spaced relation to said post and said base for driving said sewing machine, and means within the post for dampening noises incident to the operation of the unit.

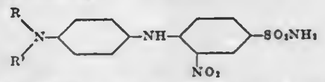
2,474,332
SPRAY NOZZLE
Carl C. Sciuto, St. Louis, Mo.
Application January 11, 1946, Serial No. 640,527
1 Claim. (Cl. 299—131)



In a spray nozzle, the combination with a hollow stem having a valve plug at one end and a recess in the periphery thereof, of a revoluble barrel enclosing said stem having interfitting threaded engagement therewith, whereby upon rotation of said barrel relative longitudinal movement in respect of said sleeve is imparted thereto, a wall at one end of said barrel forming an outlet orifice and providing a valve seat for said valve plug, a packing member carried by said barrel at the opposite end to said outlet orifice, said packing including a metal washer on its forward face, and a compressible split ring mounted in said recess in said stem having a frusto-conical surface, the greatest diameter of which faces said washer to permit movement of said barrel in one direction for the assembly of the stem and barrel, and limiting movement in the opposite direction after said members are assembled, the greatest diameter of said split ring being disposed opposite to said metal washer when said stem and barrel are in assembled relation.

2,474,333
DIPHENYLAMINE SULFONAMIDE DYESTUFFS
George W. Seymour and Victor S. Salvin, Cumberland, and Wilford Donald Jones, Cresaptown, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 5, 1946, Serial No. 652,234
4 Claims. (Cl. 260—397.7)

1. Diphenylamine dyestuffs of the following general formula:

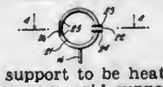


wherein R and R' are members of the group consisting of hydrogen, alkyl, hydroxyalkyl and lower alkyl carbonyl acyl radicals.

2,474,334
PRODUCING MALEIC ACID BY OXIDATION OF CYCLOHEXANE
Albert J. Shmidl, Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application April 10, 1947, Serial No. 740,563
1 Claim. (Cl. 260—533)

A method for oxidizing cyclohexane which includes the steps of forming a bed of vanadium pentoxide, heating said bed to a temperature of approximately 800° F., passing a heated vaporous stream of cyclohexane at a temperature of about 800° F. over said bed for a time sufficient to activate said bed, forming an admixture of cyclohexane with an oxygen-containing gas, reducing the temperature of said activated bed from about 800° F. to approximately 600° F. and subsequently passing said admixture at a temperature of approximately 600° F. over said activated bed to obtain improved yields of maleic acid from the cyclohexane in said admixture.

2,474,335
GETTER STRUCTURE FOR ELECTRON DISCHARGE DEVICES
Albert M. Skellett, Madison, N. J., assignor to National Union Radio Corporation, Newark, N. J., a corporation of Delaware
Application May 13, 1947, Serial No. 747,780
10 Claims. (Cl. 250—27.5)

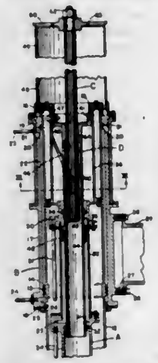


3. A getter support to be heated by high-frequency wave energy, said support comprising a tuned conductive ring whose dimensions are proportioned to cause it to resonate electrically as a wave transmission line at said high frequency, said ring having a thinned-out portion supporting getter material.

2,474,336
COLUMN ASSEMBLY, INCLUDING PRESSURE FLUID MOTORS FOR MOVING OBJECTS LONGITUDINALLY AND ANGULARLY
Albert L. Stone, Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application July 12, 1947, Serial No. 760,574
3 Claims. (Cl. 121—46)

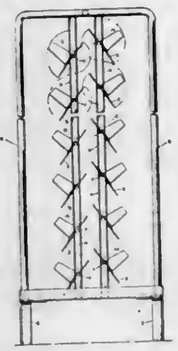
1. An assembly comprising, in combination, a post member, an outer cylinder slidably mounted

on the post member for vertical and rotative movement thereon, a hollow piston rod and piston slidably mounted within the post member, means to cause said piston to move angularly with respect to the post member upon slidable



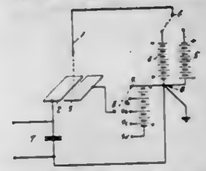
movement and means mechanically connecting the hollow piston rod with the outside cylinder to cause angular movement of the outside cylinder upon angular movement of the hollow piston rod.

2,474,337
TRANSPORT
Frederick F. Sutherland and William T. Stearn, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application August 16, 1946, Serial No. 690,899
2 Claims. (Cl. 211—153)



1. A transport for textile materials comprising a framework, two pairs of longitudinally aligned standards mounted on said framework, pivots in said standards, the pivots in one pair of longitudinally aligned standards being staggered with respect to the pivots in the other pair of longitudinally aligned standards, panels rotatably mounted on the pivots in the standards, the panels mounted on one pair of longitudinally aligned standards being staggered with respect to the panels mounted on the other pair of longitudinally aligned standards, means on said panels for holding a yarn package, and means for supporting said panels in a predetermined position.

2,474,338
ELECTROIONIC COMMUTATION SYSTEM AND ITS APPLICATION, ESPECIALLY TO THE SCANNING IN TELEVISION
Pierre Marie Gabriel Toulon, Paris, France
Application August 4, 1947, Serial No. 766,033
In France January 30, 1942
10 Claims. (Cl. 320—1)



1. An electro-ionic commutator comprising a glow discharge electrode, first and second collecting electrodes symmetrically disposed with respect to said glow discharge electrode, means for introducing relatively controllable potentials between each of said first and second collecting electrodes and said glow discharge electrode, the magnitude of at least one of said potentials being sufficient to effect glow discharge selectively from said glow discharge electrode to only one of said collecting electrodes.

2,474,339
KERATIN DERIVATIVES AND PROCESS OF PREPARATION THEREOF
Wilfred H. Ward and Charles H. Binkley, Berkeley, Calif., assignors to United States of America as represented by the Secretary of Agriculture
No Drawing. Application November 22, 1946, Serial No. 711,765
17 Claims. (Cl. 252—316)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for preparing proteinaceous products which comprises heating a keratin-containing material at a temperature from 50° to 150° C. with a liquid comprising water and a water-soluble aliphatic alcohol in the proportion of from 0.25 to 3.0 parts by volume of the alcohol to each part by volume of water, said liquid containing, in addition to the water and alcohol in the proportions recited, about from 1 to 10 percent, based on the amount of said keratin-containing material, of a sulphur-containing, reductive disulphide-splitting agent when the process is conducted at a temperature of 50° C. to about 110° C.

16. A gel comprising a water-soluble aliphatic alcohol, water, and a high molecular weight keratinaceous product, the alcohol and water being present in the proportion of from 0.25 to 3 parts, by volume, of the alcohol to each part, by volume, of water, said keratinaceous product containing about 15 percent nitrogen and about 3 percent sulphur, being digestible by pepsin and trypsin, showing true flow under high pressure and temperature, being insoluble in water and in dilute aqueous acids and salts, and being soluble in warm 50 percent aqueous ethanol to form a solution which gels upon cooling.

2,474,340
FLOATING ELECTRODE
Samuel W. Warner, Newark, N. J.
Application January 15, 1948, Serial No. 2,373
12 Claims. (Cl. 219—4)

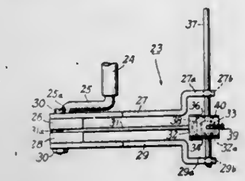
1. In welding apparatus, in combination, a fixed support having an electrode mounted there-

the opposite direction after said members are assembled, the greatest diameter of said split ring being disposed opposite to said metal washer when said stem and barrel are in assembled relation.

poration of Delaware
Application July 12, 1947, Serial No. 760,574
3 Claims. (Cl. 121—46)

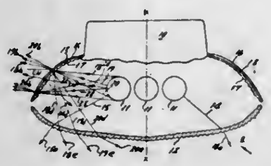
1. An assembly comprising, in combination, a post member, an outer cylinder slidably mounted

on, a shaft, a second support mounted on said shaft for movement about the axis thereof, power mechanism for moving said second support in an arc toward said fixed support, a resilient arm attached to and movable with said movable support, an electrode carried by and movable with said resilient arm into axially aligned engagement with said fixed electrode, whereby when said movable support is swung toward said fixed support, the opposed ends of said electrodes clamp between them the pieces



to be welded, and said resilient arm is somewhat flexed thereby to drive said second electrode toward said first electrode axially thereof when the metal being welded softens without the necessity of moving said movable support to effect such movement of the movable electrode, and a guiding device secured to and carried by said movable support, said movable electrode slidingly engaging said device as to be constrained thereby to substantially axial movement only relative thereto.

2,474,341
SURFACE ATTACHED FLUORESCENT LIGHTING LUMINAIRE
Vearl S. Wince, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application November 29, 1946, Serial No. 713,125
13 Claims. (Cl. 240—93)



1. A fluorescent lighting luminaire having a horizontal rectilinear fluorescent lamp, and a reflector parallel with the lamp and occupying a zone of substantial angular width extending upwardly from substantially the level of the bottom of the lamp so as to intercept lower angled upwardly directed light, the reflector having a predetermined general profile having a series of external, vertical, totally reflecting prisms crossed by a series of upwardly thickening horizontal refracting prisms forming a stepped profile on one surface, the series of refracting prisms cooperating to elevate both the transmitted light emitted through the upper surface and the reflected light emitted through the lower surface as compared with the directions obtainable with a reflector of like profile smooth both inside and out.

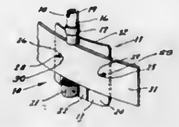
2,474,342
HYDROCARBON OIL COMPOSITIONS
David W. Young, Roselle, and Paul W. Brakeley, Jr., Plainfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 16, 1947, Serial No. 774,434
2 Claims. (Cl. 252—52)

1. A composition consisting essentially of a major proportion of a waxy mineral oil base stock, containing dissolved therein about 0.1 to 10% by weight of a resinous product having the general formula

$$[R_xAr(OH).C_2H_4—]n$$

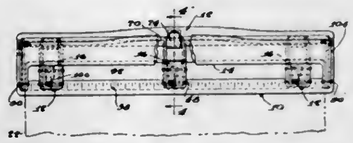
in which R_x represents 1–4 alkyl groups having a total of 3 to 30 carbon atoms, i. e., x being 1–4, Ar represents an aromatic nucleus and n indicates the degree of polymerization, the resinous product having an average molecular weight of about 800 to 2000 and having a Ubbelohde drop point of about 100° to 180° C.

2,474,343
FLY REEL SEAT
Royal L. Burden, Springfield, Ohio, assignor of one-eighth to Russell L. Dix, Springfield, Ohio, and one-eighth to Tira Q. Dix, Dayton, Ohio
Application June 23, 1945, Serial No. 601,183
2 Claims. (Cl. 43—4)



1. A fly reel seat comprising a substantially flat base, a tube projecting from one side thereof, a semi-cylindrical member projecting from the opposite side thereof, a slidable collar on the tube, a second semi-cylindrical member surrounding said first semi-cylindrical member and spaced therefrom, said collar being of larger diameter than the tube upon which it operates, and a lug extending laterally from said tube for engagement by said slidable collar to limit the travel of said collar on said tube.

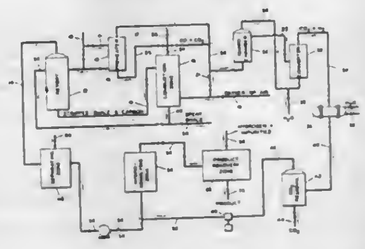
2,474,344
MULTIHOLE PUNCH
John Allan Carpenter, Waban, Newton, Mass.
Application January 16, 1946, Serial No. 641,529
10 Claims. (Cl. 164—91)



1. A multi-hole paper punch comprising an elongated base member, a guide rod carried by said base member, a plurality of individual punch units adjustably supported in said base and slidingly mounted on said elongated rod, means for

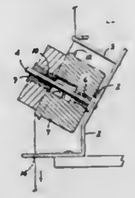
frictionally retaining the units in their adjusted position including a yieldable member carried by each of said punch units and in frictional engagement with said rod, and an actuating member pivotally mounted in said base and cooperating with said punch units to perform the punching operation in the different adjusted positions of said units, said yieldable member comprising a U-shaped spring having an opening in the upright legs thereof through which the rod may pass and having a reversely curved extension from one leg bearing against the rod.

2,474,345
RECOVERY OF HYDROCARBONS FROM OIL SHALE
Alfred Clark and Howard R. Sailors, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application May 19, 1947, Serial No. 749,063
3 Claims. (Cl. 196—53)



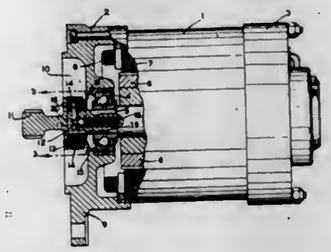
3. A process for the recovery of a hydrocarbon material from oil-bearing shale, which comprises admixing in a retorting zone hot spent shale from a combustion zone and particles of oil-bearing shale, maintaining the ratio of said hot spent shale to said oil-bearing shale such that a suitable temperature is maintained in said retorting zone to dislodge organic material from said oil-bearing shale, separating said resulting organic material from said retorting zone; withdrawing stripped shale containing residual carbonaceous material from said retorting zone and introducing at least a portion of said stripped shale into a combustion zone, introducing oxygen into said combustion zone, maintaining a suitable temperature in said combustion zone to convert said residual carbonaceous material retained by said stripped shale to carbon monoxide; withdrawing the resulting hot spent shale from said combustion zone and recycling at least a portion of said hot spent shale to said retorting zone; withdrawing carbon monoxide-containing material from said combustion zone and treating at least a portion of said carbon monoxide-containing material to remove impurities, and subsequently admixing resulting carbon monoxide with steam and passing the resulting mixture over a suitable catalyst in a conversion zone under such conditions that the carbon monoxide and steam are converted to hydrogen and carbon dioxide; treating at least a portion of the resulting mixture, comprising hydrogen and carbon dioxide; to remove the carbon dioxide; treating at least a portion of said organic material with purified hydrogen in the presence of a suitable hydrogenation catalyst maintained under such conditions that said organic material is hydrogenated and recovering a resulting hydrocarbon material as a product of the process.

2,474,346
WAX APPLICATOR FOR YARNS, THREADS, AND THE LIKE
Melvin B. Coleman and Jesse R. Bennington, Roanoke, Va., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application November 12, 1946, Serial No. 709,184
5 Claims. (Cl. 91—36)



1. A device for applying a normally solid wax-like material to a traveling yarn comprising a spindle, a member rotatably mounted on the spindle having a recess concentric with the spindle and having a plane surface surrounding the recess perpendicular to the spindle, and a sleeve having a smaller diameter than the recess rotatably and slidably mounted on the spindle, said sleeve serving to carry a wax cake fixedly secured thereabout and being adapted to telescope into the recess as the wax cake is expended, said sleeve being urged axially of the spindle toward the recess to press the wax cake against the plane surface of the member.

2,474,347
FLEXIBLE DRIVE
John Edward Collins, Belleville, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application June 11, 1947, Serial No. 754,004
3 Claims. (Cl. 64—11)



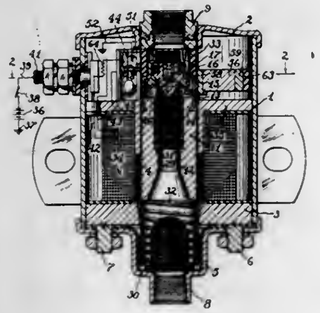
1. In a device of the class including a casing, a stator carried by the casing, and a driven shaft rotatably mounted in the casing and carrying a rotor member; the improvement comprising a driving shaft, a plate affixed to said driving shaft, pin members axially extending from said plate, a pair of rubber buffer segments carried by said pin members, a cross pin releasably mounted in said driven shaft for engagement in said buffer segments at opposite ends of said cross pin so as to flexibly couple said driving and driven shafts.

2,474,348
VARIABLE DISPLACEMENT RADIAL VANE ROTARY MOTOR
Severin F. Czerner, Kings Mill, Tex.
Application July 28, 1944, Serial No. 547,073
2 Claims. (Cl. 121—85)



1. A wheel motor for a wheel of a vehicle, said motor comprising a rotor casing, a shiftable circular vane guide in the casing, a floating centerpiece therein, an annular rotor spacedly surrounding the centerpiece within the vane guide, a plurality of radially slidable vanes on the rotor for engaging the vane guide and the centerpiece, a wheel disk fixed to the rotor, inlet and outlet ports in the casing, a hydraulic fluid supply conduit leading to said inlet port, a hydraulic fluid return conduit leading from the outlet, a lobe on one side of the vane guide for engaging the casing, the casing being provided with a cam surface whereby the lobe causes shifting of the vane guide toward greater eccentricity upon increase of pressure at the motor inlet, and an eccentricity-controlling spring expanding in the casing against the opposite side of the vane guide.

2,474,349
ELECTROMAGNETIC PUMP
John W. Dickey and Millard M. Henry, Elmira, N. Y., assignors to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware
Application February 11, 1946, Serial No. 646,952
1 Claim. (Cl. 103—53)

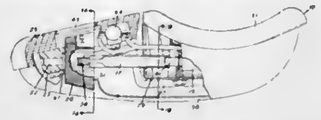


In an electromagnetic pump a non-magnetic cylinder, a piston of magnetic material slidable thereon having an axial passage therethrough, means for controlling the flow of fluid through said passage including a check valve member movably mounted on the piston, a relief valve member formed to provide a seat for the check valve member, movably mounted on the piston, said piston having a seat cooperating with the relief valve member, a comparatively light spring urging the check valve member toward its seat, a substantially stiffer spring holding the relief valve member on its seat, and means for reciprocating the piston including an electromagnet surrounding the cylinder adapted when energized to retract the piston, the mass of the check valve member being so related to the strength of the spring that the action of the electromagnet unseats the check valve and opens a free passage through the pump, and a spring for actuating the piston to discharge fluid from the pump when the electromagnet is deenergized, said relief valve spring being arranged to yield and permit the relief valve to open momentarily to cushion the shock occasioned by the reversal of the motion of the piston by the piston spring when the electromagnet is deenergized.

2,474,350
POLYSULFONE RESIN PLASTICIZED WITH ESTER OF ORGANIC SULFONIC ACID
George E. Ellerman, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application June 24, 1944, Serial No. 542,014
4 Claims. (Cl. 260—30.8)

1. As a new composition of matter, a resin comprising a conjoint polymerization product of an olefin hydrocarbon and sulfur dioxide, said resin being plasticized with the ester of cresol and benzyl sulfonic acid.

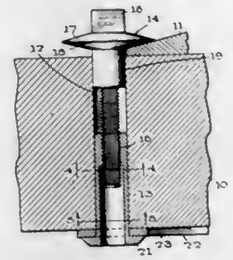
2,474,351
IRONER SHOE AND TABLE
Walter C. Erler, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application September 26, 1947, Serial No. 776,224
1 Claim. (Cl. 219—19)



In an ironing machine shoe and table combination, a shoe, a table adjacent said shoe, connections between said shoe and said table permitting adjustable movement of said table relative to said shoe, a heating element under said shoe, a thermostatic element adjacent said heating element for controlling said heating element, a rotatable control member for said thermostatic element located under said table for rotation and in a definite position relative to said table, a shaft connecting said thermostatic element with said rotatable control member, a slot in said rotatable control member to receive said shaft, and a resilient member urging said shaft toward said thermostatic element whereby small variations in distance between said control member and said thermostatic element caused by adjustment of relative position of said shoe and table are compensated without changing the position of said rotatable control member relative to said table.

2,474,352
RAIL FASTENER
Joseph Ferche, Chicago, Ill.
Application December 13, 1946, Serial No. 716,086
1 Claim. (Cl. 238—377)

A fastener for use with a rail and a tie having a vertical cylindrical bore therethrough, said fastener comprising a threaded sleeve insertable in said bore from the underside of said tie and having a flat enlarged base at its lower end, an anchor plate interposed between said base and said tie, and a threaded bolt insertable in said bore from the upper side of said tie, said bolt having a head the underside of which is conical and adapted to grip the base of said rail, said

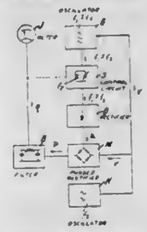


bolt having a reduced threaded portion cooperating with said sleeve to draw said head against said rail base, said sleeve and said bolt each having a cylindrical portion the diameter of which is substantially equal to that of said bore, said plate having an opening with straight sides and said sleeve having a rectangular portion adjacent said base cooperating with the plate opening to prevent turning of said sleeve.

2,474,353
ARMATURE WINDING MACHINE
William A. Goodman, Atlanta, Ga.
Application January 23, 1946, Serial No. 642,919
1 Claim. (Cl. 242—13)

An armature winding machine comprising a chuck body shaped to receive one side of an armature core, a key removably carried by the chuck body for engaging the core to secure the latter against rotation in the body, means for rotating the chuck body, a releasable rotating clamp engaging an opposite side of the core, said core including a commutator at one end, and a pair of wire guides attached to the chuck body at opposite sides of the core, said guides comprising plates having rearwardly curved outer side and end portions adapted to feed the wire into the slots of the armature between the core and commutator, said plates at one end having lateral extensions turned toward each other and spaced apart to provide an opening therebetween in alignment with said key for removal of said key therethrough.

2,474,354
AUTOMATIC FREQUENCY CONTROL CIRCUITS
Gustav Guanella, Zurich, Switzerland, assignor to "Patelhold" Patentverwertungs- & Electro-Holding A.-G., Glarus, Switzerland
Application June 4, 1943, Serial No. 489,679
In Switzerland May 19, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 19, 1962
13 Claims. (Cl. 250—40)



1. In radio receiving or transmitting apparatus, a pair of serially arranged oscillatory circuits comprising a tunable carrier frequency oscillator working into a tunable control circuit normally resonant at the desired frequency of carrier wave generation, said oscillator including a voltage-variant reactance to control the resonant frequency thereof, means for cyclically varying the resonant frequency of said control circuit about its normal value of the desired frequency of carrier wave generation, whereby the output voltage of said circuits varies periodically in amplitude with the cyclic detuning of said control circuit, means for rectifying said amplitude-variant voltage to develop an alternating voltage of the frequency of the periodic detuning, means for phase-rectifying such alternating voltage to develop a pulsating voltage having a mean value dependent in magnitude and sign upon the degree and sense of the average detuning of said circuits with respect to each other, and means for impressing said pulsating voltage upon the voltage-variant reactance in said oscillator circuit to reduce the average detuning.

2,474,355
REMOTE-CONTROL MEANS FOR VALVES
Donald G. Griswold, Alhambra, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif.
Application August 29, 1942, Serial No. 456,678
2 Claims. (Cl. 137—139)

1. In combination, an automatic valve and emergency remote control means for said valve, comprising: a main valve body having inlet and outlet chambers and closure means for controlling the flow between said chambers; and three pilot valves, each of said pilot valves having a chamber for fluid under pressure connected with the inlet chamber of said main valve and a ported pilot disc in said pressure chamber, the first of said pilot valves being capable of effecting closing and opening of said main valve and having a pressure-responsive mechanism associated therewith connected with the outlet chamber of said main valve, said mechanism being operably connected with the pilot disc of said first pilot valve so that said first pilot valve is automatically actuated in accordance with the pressure conditions in the outlet chamber of said main valve, the second of said pilot valves having a fluid-pressure-operable device associated therewith for

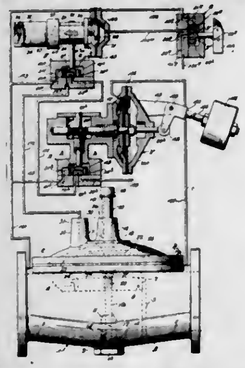
actuating the pilot disc of said second pilot valve and thus controlling the operation of said second pilot valve, the pilot disc of said second pilot valve being arranged so that normally operating fluid can flow therethrough to and from said main

2,474,357
DRILL GRINDER
Elizabeth E. Haynes, Brighton, Mass.
Application July 11, 1947, Serial No. 760,257
4 Claims. (Cl. 51—56)

2,474,359
JET ENGINE
Vittorio Isacco, London, England
Application August 3, 1946, Serial No. 688,268
In Great Britain August 3, 1945
8 Claims. (Cl. 170—135.4)

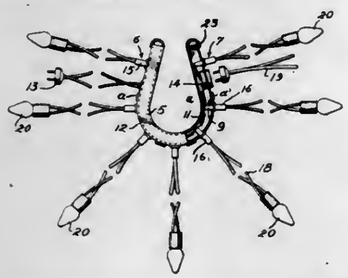
outlet pipe of said stove which normally heats the hot water for said tank, a valve-controlled outlet fitting at one end of the tube for removing the hot water generated within the installation, terminal elements extending through the outlet fitting and insulated therefrom, a heating element extending downwardly from one of

actuating the pilot disc of said second pilot valve and thus controlling the operation of said second pilot valve, the pilot disc of said second pilot valve being arranged so that normally operating fluid can flow therethrough to and from said main valve in accordance with the position of the pilot disc of said first pilot valve, the pilot disc of the third of said pilot valves being arranged to con-



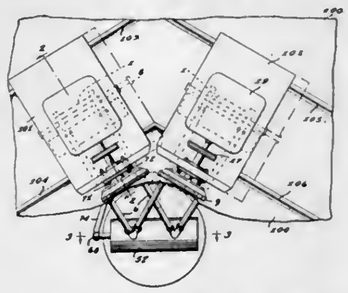
trol the admission and exhaust of operating fluid to the fluid-pressure-operable device associated with said second pilot valve, whereby said third pilot valve can control actuation of said second pilot valve disc to effect closing of said main valve independently of both said first pilot valve and the pressure in the outlet chamber of said main valve.

2,474,356
ELECTRICAL DISTRIBUTION JACK
Ernest W. Harris, Detroit, Mich.
Application August 19, 1946, Serial No. 691,451
1 Claim. (Cl. 173—334)



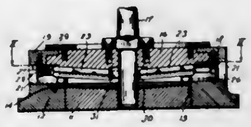
A connector attachment for electric light bulbs to be attached to a tree, comprising a hollow horseshoe shaped body of rubber, a separate rubber sheet forming the outer side of said horseshoe shaped body, two rows of connector jacks carried by said outer sheet, projecting inwardly into the hollow horseshoe shaped body with their connection-making ends accessible from the outside, a fixed feed wire connection between the connector jacks of each row carried by said sheet, projecting ears on said horseshoe shaped body to hold the said separate sheet in place along the outer side of the horseshoe shaped body, and supply wire connections to supply the feed wires with current.

2,474,357
DRILL GRINDER
Elizabeth E. Haynes, Brighton, Mass.
Application July 11, 1947, Serial No. 760,257
4 Claims. (Cl. 51—56)



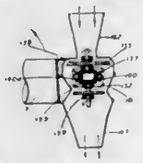
1. A machine for grinding two different faces of a tool lying in intersecting planes, said machine comprising a relatively stationary bed, a pair of tables mounted on said bed for movement toward and away from the intersection of said planes, means for positioning the tool to be ground, powered grinding wheels mounted on said tables for engaging the related faces of the tool, and operating means for alternately moving said tables toward and away from the intersection of said planes whereby one of said grinding wheels moves toward the intersection and across the related face of the tool while the other grinding wheel moves away from the intersection and across the face of the tool related thereto.

2,474,358
MEANS FOR LAPPING TAPER SIDED SPLIT RINGS
John William Howlett and Arthur J. Woolcott, Lymington, England, assignors of one-third to Wellworthy Piston Rings Limited, Lymington, England
Application February 3, 1947, Serial No. 726,160
In Great Britain November 24, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 24, 1961
6 Claims. (Cl. 51—56)



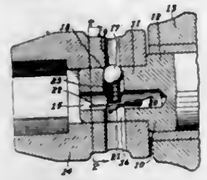
1. A mechanical means, for honing or lapping a side face of a taper-sided split piston ring, including a base adapted to support the ring, means fast with the base for engaging in the split of the ring for preventing relative rotation between said ring and said base, a head carrying a slide, the slide supporting a honing or lapping block in contact with the appropriate side face of the ring, means for effecting relative rotation of the head and base, and cam means coacting with the slide so as to oscillate the latter during such relative rotation, the slide and honing or lapping block being mounted so that the oscillatory movement of the said block will be parallel to the taper of the side face of the ring.

2,474,359
JET ENGINE
Vittorio Isacco, London, England
Application August 3, 1946, Serial No. 688,268
In Great Britain August 3, 1945
8 Claims. (Cl. 170—135.4)



1. A rotary blade for a helicopter having at its outer extremity a jet propulsion unit comprising a combustion chamber having inflow and outflow passages, a turbine driven by the outflowing gas stream, an air compressor driven by the turbine to compress the incoming charge, and direction reversing mechanism between the air compressor and the turbine whereby these parts rotate in opposite directions, the axis of the compressor and turbine being vertically spaced from the axis of the blade, the position of the axis of the compressor and turbine depending on the direction of rotation of the heavier of the two rotating elements with respect to the direction of rotation of the blade.

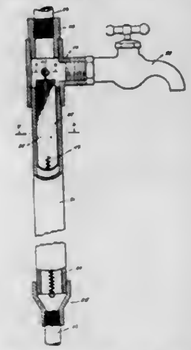
2,474,360
RETAINER
Francis A. Jimerson, Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application August 31, 1945, Serial No. 613,780
5 Claims. (Cl. 287—119)



5. A wrench spindle and the like comprising a shank having a tool engaging section and provided with intersecting transverse and longitudinal holes, the longitudinal hole opening from the end surface of the spindle and the transverse hole opening in opposite sides of the spindle and having a constriction adjacent one end, a detent loose in the transverse hole protruding therefrom and restricted by said constriction, and a member located in said longitudinal hole to retain the detent in the transverse hole and being constantly accessible through the transverse hole.

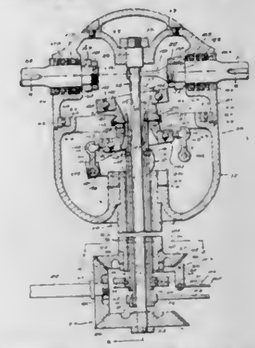
2,474,361
ELECTRIC WATER HEATER
Paul C. Jones, Nichols, S. C.
Application November 29, 1946, Serial No. 712,806
2 Claims. (Cl. 219—39)

1. An electric heater installation for a hot water supply system including a hot water tank and a stove and adapted to produce small quantities of hot water within a short time and independently of the hot water tank comprising a large tube having fittings upon the opposite ends adapted to be disposed between sections of the outlet pipe of said stove which normally heats the hot water for said tank, a valve-controlled outlet fitting at one end of the tube for removing the hot water generated within the installation, terminal elements extending through the outlet fitting and insulated therefrom, a heating element extending downwardly from one of



the terminals throughout the extent of the tube and thence upwardly throughout the tube for connection with the other terminal, said fitting at the outlet end of the tube being a T-fitting, and a spigot connected to said fitting, said terminal elements being connected to the opposite sides of said fitting.

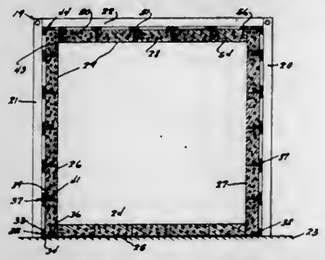
2,474,362
HELICOPTER
Theodore S. Keranen, Detroit, Mich.
Application September 14, 1944, Serial No. 554,072
1 Claim. (Cl. 170—135.24)



In a helicopter in combination, an upper rotor provided with rotatively mounted blades, a lower rotor provided with rotatively mounted blades, means including a drive shaft and a drive sleeve for rotating said rotors in opposite directions, a second sleeve coaxial with said first-mentioned sleeve and said drive shaft, a collar pivotally secured to said second sleeve, means pivotally connecting the hubs of said blades with said collar, means for tilting said collar to change the pitch of said blades during a cycle of rotation, and means for varying the relative position of said collar to vary the pitch on the blades of one of

said rotors with respect to the blades of the other of said rotors, said last-mentioned means including a third sleeve coaxial with said second sleeve and secured to said housing, and means for moving said last-mentioned sleeve in a vertical direction with respect to the horizontal plane of rotation of said rotor blades.

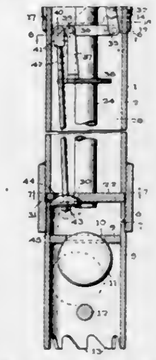
2,474,363
MOUNTING OF CELLULAR GLASS SLABS
John C. Kohl, Pittsburgh, and John A. Desmone, Springdale, Pa., assignors to Pittsburgh Corning Corporation, a corporation of Pennsylvania
Application November 19, 1943, Serial No. 510,934
2 Claims. (Cl. 72—19)



1. A heat insulative wall comprising a pair of spaced parallel supporting bars, the bars each having an outwardly projecting web and a flange on the web of one bar, said flange extending toward the second bar, the side of the web of the second bar facing the first mentioned bar being essentially smooth and further having pin receiving openings formed therein, a course of cellulated glass slabs supported by the bars, said slabs at one edge having tongue portions hooked under said flange to prevent outward displacement of the slabs, the edges of the slabs opposite said tongues being adapted to tilt back within space between the bars in proximity to the web of the second bar and pin means in the openings in the web of the latter bar projecting into the edges of the blocks to hold the latter edges in place.

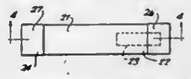
2,474,364
AUTOMATIC WELL POINT
Thomas F. Moore, Morris Plains, N. J.; Edward J. Moore and Mary Moore Dacey, executors of said Thomas F. Moore, deceased, assignors, by mesne assignments, to Moretrench Corporation, Rockaway, N. J., a corporation of New Jersey
Application December 4, 1944, Serial No. 566,409
20 Claims. (Cl. 166—5)

1. In a well point, comprising an elongated tubular body having liquid inlet openings in the wall thereof at spaced intervals along its length, closure means at opposite ends of the body defining therebetween a float chamber within the body normally in communication with the exterior of the body through the inlet openings aforesaid, means forming at least one open-ended jetting-and-suction passage within the tubular body, said latter means being extended from one closure means aforesaid at the top of the tubular body to the other closure means at the bottom end, through the float chamber, to isolate the jetting-and-suction passage from the float chamber, the lower of said closure means having a passage therethrough for establishing and interrupting communication between the float chamber and the lower end of the jetting-and-suction passage, a jetting tip connected to the lower end of the tubular body and forming a continuation thereof, and check-valve means disposed within the jetting tip and operable to open position responsive to the passage of a jetting fluid downwardly through the jetting-and-suction passage, the combination of a valve for the passage through the lower closure means, said valve



being positioned outside the float chamber and movable towards and away from the lower side of said closure means to respectively close and open the passage, said valve also being aided towards its passage closing position by the back pressure of the jetting fluid acting thereagainst, and a float in the float chamber operatively connected to the valve to close the same upon falling of the liquid level in the float chamber.

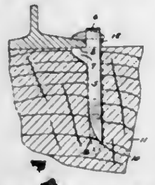
2,474,365
GAME BLOCK OF NONMAGNETIZABLE MATERIAL HAVING A MAGNETIZABLE STRIP CONCEALED IN ONE END THEREOF
Elvin R. Munn, St. Louis, Mo.
Application January 28, 1946, Serial No. 643,863
3 Claims. (Cl. 273—130)



2. In a game apparatus including a game board having a plurality of colored areas thereon and a magnet adapted to move game pieces into and out of the colored areas in said game board; a game piece comprising an elongated block of non-magnetizable material, and a magnetizable strip concealed in one end of said block, the ends of said block being so spaced as to prevent the ends of the magnet from extending between both ends of the block at the same time whereby a player must select the end of the block having the strip concealed therein before the magnet can be manipulated to move the block to a selected colored area on the game board.

2,474,366
SAFETY LOCK FOR RAILROAD SPIKES
William T. Morris, Breckenridge, Tex.
Application May 13, 1947, Serial No. 747,724
1 Claim. (Cl. 238—375)

The combination with a railway rail and rail securing spike, of a spike retaining device comprising a body portion embodying spaced legs, a head connecting the upper ends of the legs, lugs extending forwardly from the legs adjacent to the head in spaced relation with the head, said legs and lugs adapted to be driven into a tie with

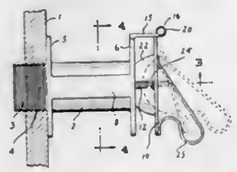


which the retaining device is used with the upper surfaces of the lugs resting against the bottom of the rail, and the head overlying the spike in contact therewith, normally holding the spike against upward movement.

2,474,367
METHOD OF TREATING HYDROPHILIC COLLOIDS TO AVOID SWELLING DURING WASHING
William D. Ramage, Berkeley, Calif., assignor to United States of America as represented by the Secretary of Agriculture
No Drawing. Application April 22, 1947, Serial No. 743,211
12 Claims. (Cl. 260—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

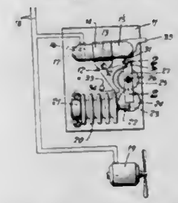
1. A process comprising washing an organic hydrophilic colloidal substance contaminated with water-soluble impurities, the swelling capacity of which colloidal substance increases as the concentration of electrolytes is decreased, with an aqueous solution of a salt of ammonia and a weak, volatile acid, said salt being vaporizable at a temperature below that at which the colloidal substance is degraded, and subsequently drying the washed colloidal substance and removing the salt by vaporization.

2,474,368
SELF-FEEDER ATTACHMENT
Gunther Rankenburg, Millville, Minn.
Application April 22, 1946, Serial No. 663,861
2 Claims. (Cl. 251—10)



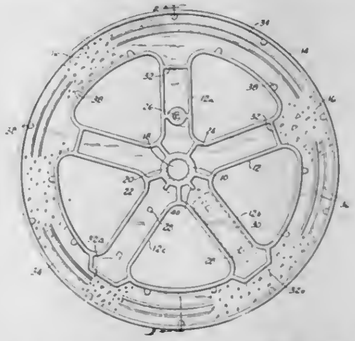
1. An animal-operated feed valve including a hollow body having attaching threads formed upon one end and an annular valve seat on its opposite end, an anchoring flange formed about said body adjacent said threads, an annular flange formed about the opposite end of said body, oppositely disposed guard strips connected between said flanges, an outwardly extending lip on said last-mentioned annular flange, a disk-shaped valve closure plate hinged upon said lip, a semi-spherical shaped valve closure supported by said valve closure plate, and resilient tensioning means between said valve closure plate and said anchoring plate disposed interiorly of said guard strips for normally holding said valve closure upon its valve seat.

2,474,369
AIR CIRCULATION CONTROL SYSTEM
William A. Ray, Los Angeles, Calif., assignor to General Controls Co., a corporation
Application August 19, 1944, Serial No. 550,160
3 Claims. (Cl. 98—1)



1. In a system for cooling a house by circulation of outdoor air to the interior of the house: means for effecting said circulation of air, electrically-operable means for operating said circulation-effecting means, switching means for controlling said electrically-operable means and biased to circulation-stopping position, means manually movable to a position to set said switching means in circulation-starting position, means responsive to the temperature of the house for so operating said movable means as to trip the switching means to circulation-stopping position upon rise of house temperature, and means for maintaining said temperature responsive means continuously in operative relation to said movable means so that the switching means is tripped upon any rise of house temperature, said maintaining means including means forming a slip-clutch.

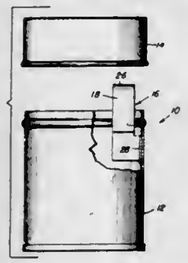
2,474,370
FLYWHEEL
Stanley D. Russell, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a company of Wisconsin
Application July 8, 1947, Serial No. 759,587
4 Claims. (Cl. 74—572)



1. A flywheel comprising a hub, a rim and spokes having channeled cross sections with the open faces thereof normal to the axis of the flywheel, a plurality of ribs bridging the spoke chan-

nels at the ends thereof adjacent the rim whereby to provide a continuous rim channel discontinuous with the several spoke channels, means within the rim channel for securing a hardenable substance that may be poured thereinto, and means for securing a balancing weight to the flywheel within the channel of one of said spokes, said ribs being positioned to permit a greater weight of the hardenable substance to be poured into the rim channel on the side of the wheel opposite said one spoke then on the side of said one spoke.

2,474,371
ASH RECEIVER
Paul W. Rushforth, Honolulu, Territory of Hawaii
Application October 29, 1946, Serial No. 706,293
1 Claim. (Cl. 131—242)



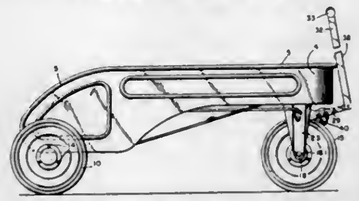
An ash receiver comprising in combination, a receptacle, a cover removably positioned on said receptacle, a pair of juxtaposed straps secured together at one end portion thereof, the remaining end portions of said straps being angulated in mutually divergent relation and terminating in inwardly arcuated extremities adapted to retain a cigarette therebetween, and a pair of laterally projecting wings provided on the secured end portions of said straps, said wings being secured to the inner surface of said receptacle and the arcuated end portions of said straps projecting above said receptacle into said cover.

2,474,372
BUCKLE
Lester C. Schmith, Sacramento, Calif.
Application February 12, 1946, Serial No. 647,089
2 Claims. (Cl. 24—206)



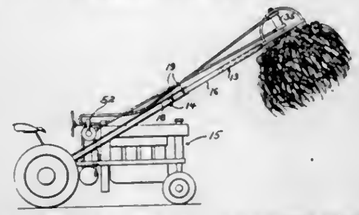
1. In a buckle for wrist watch straps or the like, including an open-ended case having bottom, top and side walls, a separate tongue slidable in said case along said bottom wall, and a field of ratchet teeth formed on an upper surface of said tongue; said upper surface of said tongue and said field being downwardly spaced from said top wall, a leaf spring having one end fixed to said top wall, a free end of said spring being inclined downwardly to a position to engage said ratchet field, a cover plate for said case overlying said top wall, means connecting said plate and case to permit upward movement of said plate relative to said case, and said means including a rigid connection between said plate and said free end of said spring whereby upward movement of said plate is operative to raise the said free end of said spring above the plane of said ratchet field.

2,474,373
TOY WAGON
Herman L. Seiden, Chicago, Ill., assignor to Saul Patner, Chicago, Ill.
Application March 30, 1946, Serial No. 658,531
3 Claims. (Cl. 280—87.01)



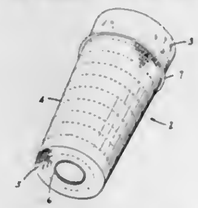
3. A child's wagon and scooter comprising a bed, a vertically disposed panel secured to the rear end of the bed, a platform secured to the lower edge of said panel and lying in a plane below the horizontal plane of said bed, a rear axle carried by said platform and wheels carried thereon, a front wheel and axle carried by said bed, a front steering mechanism comprising a bolster plate secured to the front underside of said bed, a bearing plate rotatably positioned on said bolster plate, wheel mounts depending from said bearing plate, said axle for said front wheel being anchored to and between the front ends of said wheel mounts and said front wheel being positioned therebetween, a handle well rigidly secured to and extending forwardly from said wheel mounts, and a rear steering mechanism comprising a vertically extending tube, a rear handle well rotatably mounted in said tube, a steering arm integrally secured to the lower end of said rear handle well and steering rods connected to said steering arm and said front wheel mounts whereby said front and rear steering mechanisms are synchronously connected together and operate as a single unit.

2,474,374
HYDRAULIC HAYFORK
De Witt C. Shattuck, Velva, N. Dak.
Application March 19, 1948, Serial No. 15,851
3 Claims. (Cl. 214—147)



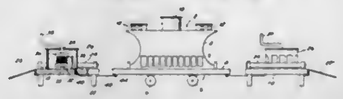
1. A hay fork in the form of a grapple adapted to be carried by a boom on a tractor comprising a ring, a head mounted for reciprocation below said ring and in line with the center thereof, shanks having the inner ends radiating from and pivotally connected to the head, means pivotally suspending the outer ends of the shanks in spaced relation from the under face of the ring, a rod connected to and rising from the center of the head, a piston attached to the upper end of the rod, a cylinder, a curved brace bar connected to and rising over the ring, means securing the upper end of the cylinder to the brace bar, the piston being mounted in the cylinder, means causing reciprocation of the piston for rocking the shanks and likewise the tines, means connecting the ring to the boom, and curved tines projecting downwardly from the outer ends of the shanks.

2,474,375
SHAPED FABRICATED ARTICLE
Howard E. Shearer and John E. Van Nest, Swarthmore, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 5, 1945, Serial No. 586,802
6 Claims. (Cl. 66—171)



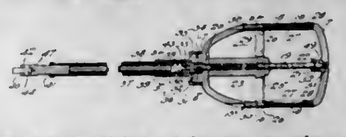
1. An assembly consisting of a shaped object having a peripheral wall and a flat bottom end wall, and a removable knitted jacket for the object, said jacket having a peripheral wall and a bottom end wall having a centrally disposed substantially circular opening therein, the jacket comprising courses of yarns formed from thermoplastic fibers having a relatively low shrinkage temperature, said thermoplastic fibers being heat-shrunk and stiffened, the walls of the jacket being provided with rolled rims comprising heat-shrunk and stiffened thermoplastic fibers, and the bottom wall of the jacket lying flat against the bottom wall of the shaped object.

2,474,376
TOY FERRY SYSTEM
William L. Shepheard, Norfolk, Va.
Application March 26, 1946, Serial No. 657,134
3 Claims. (Cl. 46—96)



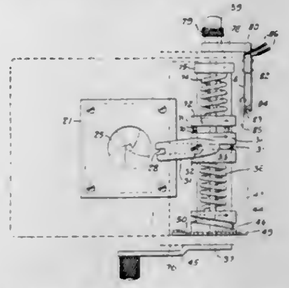
1. A toy ferry boat and dock system, comprising a wheeled toy boat simulating a ferry boat and having an end simulating a vehicle loading arrangement, a toy dock having an end simulating a vehicle loading arrangement for cooperation with the end of the ferry boat, a housing on the dock simulating a toll house, a shaft in said housing mounted for rotation about a vertical axis and having a portion extending exteriorly through the roof of said housing, a reel in said housing carried by said shaft, string guide means extending through said dock to the under side thereof, and a string or the like pulling element attached to said ferry boat and running to the under side of said dock, through said guide means and to said reel, whereby to pull said ferry boat to said dock upon rotation of said crank.

2,474,377
RATCHET DRIVE FOR TOOLS
George G. Shurtleff, Panama City, Fla.
Application August 3, 1946, Serial No. 688,364
10 Claims. (Cl. 74—127)



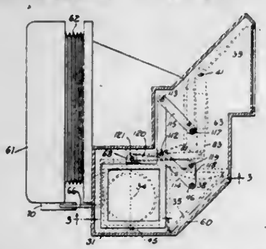
8. In a tool driving mechanism, an elongated yoke having side and end portions and forming a handle, a ratchet screw rotatably journalled in said end portions, a coacting ratchet sleeve slidable on said screw, a transversely extending hand grip on said sleeve, the side portions of said yoke being formed with laterally slotted and longitudinally extending bores, the end portions of said hand grip terminating in guides slidable in said bores, adjustable stops and compression springs in said bores, said springs engaging said guides and urging the same toward said stops, and means for operatively connecting said screw to a tool.

2,474,378
POWER-DRIVEN FLASH SYNCHRONIZER FOR PHOTOGRAPHIC SHUTTERS
Alfred Simmon, Jackson Heights, and Louis L. Weisglass, New York, N. Y., assignors, by direct and mesne assignments, to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application April 21, 1945, Serial No. 589,484
5 Claims. (Cl. 95—11.5)



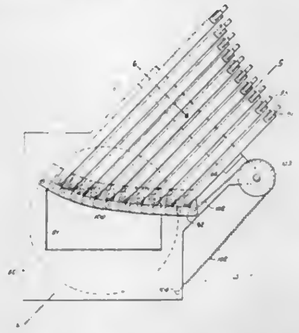
1. In a photographic camera, a shutter and a flash lamp synchronizer; the shutter comprising a number of pivoted blades and a motor unit adapted to actuate said blades to effect an exposure, said motor unit including a flywheel and a spring, means to tension said spring, and means to hold said spring releasably under tension; the synchronizer comprising a flash lamp, a set of normally open contacts, in series with a source of current and the flash lamp, and a second motor unit adapted to close said contacts, said second motor unit including a flywheel and a spring, means to tension said spring, and means to hold said spring releasably under tension; and means to release the springs of both motor units simultaneously; one of the elements of the motor unit of the shutter and one of the elements of the motor unit of the synchronizer being in physical contact with each other before release of the springs, said elements losing their physical contact immediately after said release.

2,474,379
CAMERA VIEW AND RANGE FINDER
Alfred Simmon, Jackson Heights, N. Y., assignor to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application June 26, 1946, Serial No. 679,334
5 Claims. (Cl. 95—44)



1. In a camera comprising two main parts and means to adjust their relative distance, one part supporting a camera lens and the other part supporting a sensitized film, a rangefinder of the brilliant type comprising a structure supporting one field lens, a first and a second optical system, cooperating to show two supplementary part images of the object to be photographed, and means to shift, in coordination with said first named adjusting means, said part images into mutual register, said field lens being a positive lens, arranged in a substantially horizontal plane and adapted to be viewed by both eyes of the observer from a convenient reading distance, the line of vision being substantially vertical and at right angles to the axis of the camera lens, said first optical system comprising a first reflector, a second reflector, a first image forming lens and a third reflector, said second optical system comprising a second image forming lens and a fourth reflector, said first reflector mounted closely underneath said field lens but covering less than the full area of said field lens and being forwardly inclined, forming an angle of substantially 45° with the substantially vertical line of vision and reflecting it in a forward direction substantially horizontal and parallel to the axis of the camera lens, said second reflector arranged in front of said first reflector in a substantially vertical plane, forming an angle of substantially 45° with the axis of the camera lens and with the now forwardly directed line of vision, reflecting it into a lateral direction substantially horizontal and at right angles to the axis of the camera lens, said first image forming lens being a positive lens, laterally offset in a horizontal direction with respect to said second reflector and arranged in a substantially vertical plane substantially parallel to the axis of the camera lens, said third reflector laterally offset with respect to said second reflector in the same horizontal direction as, but farther away than said first image forming lens, arranged in a plane substantially parallel to said second reflector and reflecting the now laterally horizontal line of vision again forwardly in a substantially horizontal direction, substantially parallel to the axis of the camera lens, said second image forming lens being a positive lens, arranged underneath said field lens in a substantially horizontal plane, but at a lower level than said above mentioned first reflector, said fourth reflector mounted underneath said second image forming lens and being forwardly inclined, forming an angle of substantially 45° with the substantially vertical line of vision and reflecting it in a forward direction substantially horizontal and parallel to the axis of the camera lens, said means to shift the two part images into mutual register comprising means to rotate said third reflector on a substantially vertical axis, thereby deviating the light beam accepted by the first optical system in a substantially horizontal plane, and simultaneously to rotate said fourth reflector on a substantially horizontal axis, thereby deviating the light beam accepted by said second optical system in a substantially vertical plane, the means to rotate said reflectors comprising pivoted supports for either reflector, and said means to coordinate the shifting of the two part images with the first named means to adjust the relative distance of the first main camera part supporting the camera lens and the second main camera part supporting the sensitized film comprising a lever attached to one of said rotatable reflector supports, said lever equipped with a straight cam surface, the extension of which passes through the axis of rotation of said support, and a member with a knife edge in operative contact with said straight cam surface, the above named structure supporting the rangefinder connected to one of said main camera parts and said member with the knife edge connected to the other main camera part.

2,474,380
DEVICE FOR MODIFYING ELECTRICAL SIGNALS
Alfred Simmon, Jackson Heights, N. Y., assignor to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application December 12, 1947, Serial No. 791,439
2 Claims. (Cl. 250—41.5)

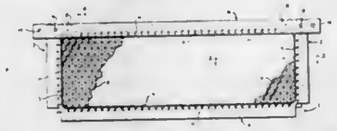


1. A mask with an adjustable aperture, adapted to be placed between the screen of a cathode ray tube and a photoelectric cell in a device for modifying electrical signals, said mask having an apertured frame, and the following elements supported by said frame, a plurality of movable cams, including means to move them in unison, a plurality of elongated members, each with a first and a second end, said members adapted to slide in parallel tracks, a plurality of links, attached to each other and forming a chain adjacent to said aperture and covering part of it, and means, including spring biasing means operating on said links, adapted to establish operative contact between said chain and the first ends of said slidable members, and between the second ends of said slidable members and said cams, whereby more or less of the light passing width of said aperture is covered by said links and said members in accordance with the positions into which said cams are placed by the operator relative to said members.

2,474,381
CONCRETE COMPOSITION AND PROCESS FOR PRODUCTION THEREOF
Frank Sladick, Sr., Solvay, N. Y.
No Drawing. Application July 2, 1948, Serial No. 36,810
8 Claims. (Cl. 106—96)

6. A concrete for use in the building arts, which comprises a water slurry of a concrete mix consisting of substantially equal parts of lime waste from ammonia stills operating in the Solvay process for making sodium carbonates, comminuted glass, and Portland cement, together with liquid coal tar in proportions of approximately one pint of the tar to twenty-five pounds of the concrete mix on a dry basis.

2,474,382
BEE COMB FOUNDATION FRAME
Luton Baxter Smith and Nellie B. Smith, High Point, N. C.
Application September 21, 1945, Serial No. 617,738
2 Claims. (Cl. 6—10)



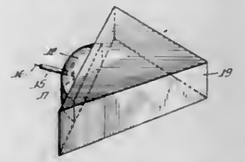
1. In a bee comb foundation frame, the combination of a sheet metal frame, including a bottom section and two side sections, said bottom and side sections being U-shaped in cross section throughout their length, said side sections being provided at their top with pairs of inwardly extending tongues, said tongues in each pair being in engagement, a metal cap section U-shaped in cross section throughout its length, said cap section placed over and receiving the upper ends of said side sections including said inwardly extending tongues, and said U-shaped sections also forming a continuous open structure for receiving freely the four edges of a foundation sheet.

2,474,383
WEEDLESS ARTIFICIAL FISH BAIT
Albert H. Suhr, Chicago, Ill.
Application December 20, 1948, Serial No. 66,256
6 Claims. (Cl. 43—37)



3. As a new article of manufacture, a weedless variety artificial fish bait comprising an elongated body having a longitudinal slot in its central and rear portions and a longitudinal open ended bore extending through its front portion and leading to the front end of the slot, a rod extending slidably through the bore and into the front end of the slot and provided at its front end with means for attachment to a fish line, a U-shaped frame disposed in the front end of the slot and embodying a crosspiece fitting against the portion of the body that defines the front end of the slot and in addition a pair of spaced apart side pieces connected to, and extending rearwards from the ends of the crosspiece and provided inwards of their rear ends with transverse holes, a slide block connected to the rear end of the rod and mounted between said side pieces so that it and the frame have relative sliding movement, a pair of oppositely disposed hooks extending lengthwise of the slot, consisting of forwardly disposed shank parts and rearwardly disposed hook parts, having the front ends of its shank parts extending inwards through the aforesaid holes and connected pivotally to the slide block, and adapted when the frame and body slide rearwards relatively to the slide block and rod to swing into an operative position wherein the hook parts thereof are disposed exteriorly of the body and when the frame and body slide forwardly relatively to the slide block and rod to swing into an inoperative position wherein said hook parts are disposed within the rear end of the slot, and a spiral compression spring extending around the rear end of the rod, having the front end thereof in abutment with the crosspiece on the frame and the rear end in abutment with the front end of the slide block and adapted to urge the frame and body forwards with respect to the slide block and rod and thus normally to maintain the hooks in their inoperative position.

2,474,384
HIGH-FREQUENCY RADIANT ENERGY ABSORBING DEVICE
David E. Sunstein, Elkins Park, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 28, 1944, Serial No. 533,233
3 Claims. (Cl. 250—33.63)

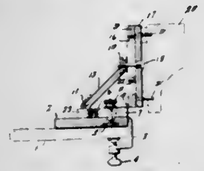


1. Apparatus for simulating the transmission of ultra high frequency energy into free space, comprising a radiation device to which said energy may be supplied, and a horn having an open mouth arranged to receive energy radiated from said device and adapted to absorb substantially all of said energy, said horn tapering from a dimension considerably greater than cut-off to a dimension less then cut-off for the frequency range of said energy.

2,474,385
TYPEWRITER SUPPORT
Jalva Vale, Birmingham, Ala.
Application April 8, 1944, Serial No. 530,214
9 Claims. (Cl. 248—23)

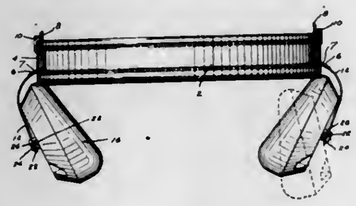
1. A typewriter support comprising a base, a carriage, means for mounting a typewriter on said carriage, and means including pivotally and slidably interconnected elements interposed between said carriage and base for mounting said

carriage on said base for universal movement with respect thereto so that the typewriter can



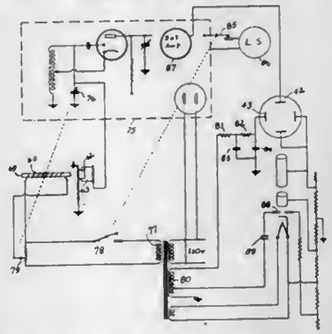
be positioned with its keyboard at various inclinations to the horizontal.

2,474,386
HEADBAND AND EARPHONE MOUNTING
John Volkmann, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War
Application June 19, 1944, Serial No. 541,008
4 Claims. (Cl. 179—156)



1. A headband and earphone mounting comprising a flat steel spring headband of inverted U-shape constructed and shaped to engage over and across the head of a person with its ends planiform and parallel at the sides of the head of, and forwardly of the ears of the person, L-shaped adjustable slides having broad, flat arms, one in a plane with and telescopically engaged with the respective end of the headband, the other arm of the slide being extended laterally outwardly from the plane of the end of the head band and thence rearwardly to form a horizontal planiform earphone support arm broadened in a vertical plane offset from the plane of the adjacent end of the head band and convergent rearwardly theretoward, coaxial vertical stud-like trunnions formed at the upper and lower edges of the earphone support arm, an earphone frame plate member constructed for fixed attachment to the outer side of an earphone, upper and lower parallel ears formed thereon slightly above and below the earphone support arm, and having respective slots therein to receive loosely therethrough respective trunnions, the slots being both elongated in a direction normal to the plane of the plate a distance sufficient for limited sliding movement of the trunnions therein whereby an earphone on the plate may pivot on a horizontal axis through an angle limited by engagement of the trunnions at the ends of said slots, said trunnions being revoluble on their axis in the slots, said offset arm being extended beyond said axis a distance sufficient to limit rocking of a mounted earphone on said trunnion axis as required.

2,474,387
VIBRATING REACTANCE PANORAMIC RADIO RECEIVER
Marcel Wallace, New York, N. Y., and Horace G. Miller, Belleville, N. J., assignors, by mesne assignments, of one-half to Marcel Wallace, New York, N. Y., doing business as Panoramic Laboratories, New York, N. Y., and one-half to Panoramic Radio Corporation, New York, N. Y., a corporation of New York
Original application July 17, 1941, Serial No. 402,822, now Patent No. 2,381,940, August 14, 1945. Divided and this application December 11, 1943, Serial No. 513,895
16 Claims. (Cl. 250—20)



5. A panoramic receiving system including a signal receiving channel, means for periodically tuning said channel, said means comprising a mechanically vibrating element, a source of alternating sinusoidal voltage, means for energizing said vibrating element to vibrate in synchronism with said source of alternating sinusoidal voltage, visual means comprising a cathode ray tube having means for generating a cathode ray beam, for displaying signals received in said signal receiving channel, and means for applying said alternating sinusoidal voltage to said cathode ray beam for separating displayed signals by space intervals in accordance with the respective frequencies of the displayed signals.

2,474,388
DOLL STROLLER
Arthur A. Wasserman, Boston, Mass., assignor of one-half to Louis Cohen, Quincy, Mass.
Application February 25, 1948, Serial No. 10,697
3 Claims. (Cl. 280—36)



1. A wheeled toy which includes a pair of U-shaped supporting frames the legs of one of which cross those of the other, said legs being

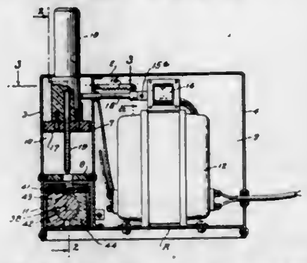
joined at their intersections, an axle extending transversely of each supporting frame adjacent the bight portion thereof, wheels on the axles, a rectangular seat frame fixed to the legs of the supporting frames adjacent the ends thereof remote from the bight portions and an inverted U-shaped handle pivotally coupled to the legs of one of the supporting frames, a side frame extending upwardly from each side of the seat frame and a back extending upwardly from the end of the seat frame adjacent the handle, an inverted U-shaped top frame the lower ends of the legs of which are secured to the side frames intermediate the forward and rear ends thereof, and bows connecting the bight portion of the top frame with the upper rear corners of the side frames.

2,474,389
FOUNTAIN PEN
Russell T. Wing, Excelsior, Minn.
Application October 26, 1945, Serial No. 624,793
11 Claims. (Cl. 120—46)



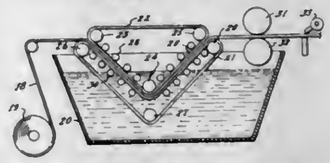
1. In a fountain pen of the type described a barrel having an ink reservoir therein, an ink feeding passage communicating with said ink reservoir, an overflow ink collector also communicating with said ink reservoir, operating means for filling said ink reservoir, a cap adapted to be attached to the rear end of said barrel, said operating means being normally operable, with said cap removed, between limits of operation to cause said ink reservoir to be reduced to a minimum capacity and enlarged to a capacity less than maximum capacity, and means including a part on said cap and a part on said operating means for transmitting motion from said cap to said operating means in response to movement of said cap on said barrel toward its closed position on said barrel for actuating said filling means to cause said ink reservoir to be enlarged to its maximum capacity whereby ink is drawn from said collector into said reservoir.

2,474,390
HOT DOG MACHINE
Albert E. Aff, South San Francisco, Calif.
Application March 27, 1946, Serial No. 657,475
5 Claims. (Cl. 219—19)



1. A package for a food product comprising an insulating carton having a pair of electrodes disposed one adjacent each end thereof, each electrode comprising a prong extending into the carton in position to engage a product therein and a terminal member adapted to be engaged on the exterior of the carton.

2,474,391
PROCESS FOR PRODUCING PACKING STRUCTURES
Samuel Bergstein, Cincinnati, Ohio, assignor to Robert Morris Bergstein and Frank David Bergstein, trustees
Original application November 30, 1944, Serial No. 565,888. Divided and this application October 26, 1945, Serial No. 624,713
5 Claims. (Cl. 18—56)



5. A process of molding paperboard which comprises passing paperboard briefly through a bath of water and immediately between press rollers acting to drive some of the water into the board and to remove surface excess, shielding portions of the board from the water as it passes through the bath so as to produce relatively wet and dry areas in the board, then molding the board between heated die members maintained in contact therewith until the board has lost sufficient moisture to retain its molded shape, and including the step of molding large, deep configurations in the relatively wet areas of the board and corrugations in the relatively dry areas of the board, said corrugations in the relatively dry areas of the board being smaller, shallower, and more closely spaced than the configurations in the relatively wet areas of the board whereby to contract the board in one direction approximately the same amount, the board being passed through the bath in a continuous length and cut apart into sheets before molding.

2,474,392
PROCESS OF PREPARING A WATER-SOLUBLE BERYLLIUM COMPOUND
Perle N. Burkard and Ralph McNabney, Wyandotte, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
No Drawing. Application April 26, 1944, Serial No. 532,886
5 Claims. (Cl. 252—156)

1. In the process of preparing a water-soluble beryllium compound, the step of heating at atmospheric pressure between 250 and 320° C. powdered beryl with anhydrous sodium hydroxide in the ratio of at least 32 mols of the latter to 1 mol of the former and with between slightly less than 2% and below 5% water content initially present in said mixture, and continuing such heating until a water-soluble beryllium-containing product is formed.

2,474,393
METHOD OF GENERATING CLUTCH TEETH FOR EXTENDED INTIMATE CONTACT
Neal L. Cobb, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application April 17, 1942, Serial No. 439,358
3 Claims. (Cl. 90—8)

1. The method of generating face clutch teeth with radial helicoidal side faces, which consists in effecting relative reciprocation between a cutter and a face clutch blank axially of the blank,

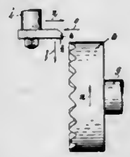
effecting relative rotary movement around the

ends but that they remain parallel to the other one of the pair throughout their lengths to utilize

of said body and cover portions, said extensions having oppositely arranged grooves in their outer

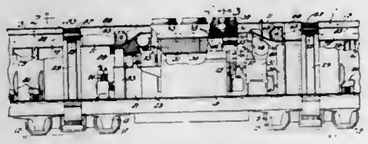
rapid movement of the movable element when adjacent the open position thereof and increased

effecting relative rotary movement around the axis of the blank with a timed relation between said movements such that the resultant thereof is the generation of a succession of connected sloping lines of alternately opposite inclination in a circumference of the blank, effecting re-



peated cutting traverses between the tool and clutch blank in a path perpendicular to the axis of the blank, and offsetting the cutting extremity of the cutter to bring tangent points at opposite sides of its median line alternately in a path intersecting and perpendicular to said axis.

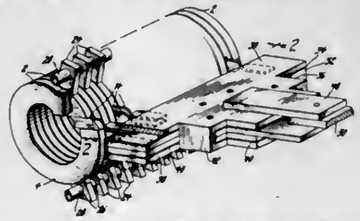
2,474,394
HEATING AND VENTILATING SYSTEM
Richard M. Dilworth, Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 19, 1946, Serial No. 685,001
12 Claims. (Cl. 237—12.6)



1. In a vehicle an engine, a radiator associated therewith, and an air duct including said radiator, an air inlet opening, an air discharge opening, a hot air outlet connection, a discharge fan, a heating fan and means operable in response to operation of said discharge fan to permit discharge of heated air through the discharge opening from said radiator, said means normally preventing reverse flow through said discharge opening upon operation of said heating fan to force heated air through said hot air outlet connection from said radiator.

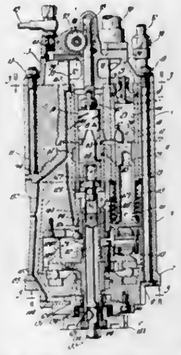
2,474,395
HIGH-FREQUENCY TRANSFORMER
Harold C. Early, Beaverton, and William G. Dow and Robert Ohlsson, Ann Arbor, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 20, 1945, Serial No. 617,614
5 Claims. (Cl. 175—356)

3. In transformer means for use with high frequency current, a primary winding in the form of a helix with the turns axially separated, a plurality of single turn secondary windings interposed between the primary turns to form a cylindrical member, the ends of one secondary turn lying adjacent the ends of each secondary turn on opposite sides thereof, conductor strips connected to each end of each secondary turn resulting in a series of closely spaced parallel pairs, said strips being twisted so that their extending ends are at right angles to their inner ends but that they remain parallel to the other one of the pair throughout their lengths to utilize



the proximity effect and a plurality of conductive terminal plates connected to the extending ends.

2,474,396
INJECTION PUMP
Ronald C. Groves, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 1, 1945, Serial No. 580,347
9 Claims. (Cl. 103—41)

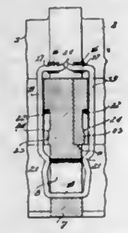


1. A fuel injection pump comprising a cylinder having an automatic fuel inlet valve, axially spaced delivery ports, and a fuel by-pass and relief port spaced axially therefrom, a plunger reciprocable in the cylinder and having a control surface adapted to open and close each delivery port each stroke of the plunger, and a valve operated in timed relation with said plunger and adapted to shut off said by-pass and relief port during the inlet stroke of the plunger to cause opening of the fuel inlet valve and to open and close the by-pass or relief port during the pumping stroke so that fuel is by-passed from the cylinder prior to and pressure is relieved subsequent to delivery of fuel through each delivery port at different points in the delivery stroke of the plunger.

2,474,397
FASTENING MEANS FOR CAMERA COVERS
Julius A. Henne, Rochester, N. Y., assignor to Webster Industries, Inc., Webster, N. Y., a corporation of New York
Application March 20, 1947, Serial No. 735,984
2 Claims. (Cl. 292—91)

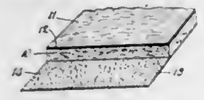
1. In a photographic camera, the combination with a case comprising separable body and cover portions, of overlapping extensions at the ends

of said body and cover portions, said extensions having oppositely arranged grooves in their outer surfaces with locking recesses therein and the extensions on one of said portions having slots therein in alinement with said grooves, and a wire bail movable endwise in each of said slots



and having sides with locking projections movable in said grooves into locking engagement with said recesses, the bail being movable laterally away from said extensions and locking recesses when at the bottom of said slot to permit separation of the body and cover portions.

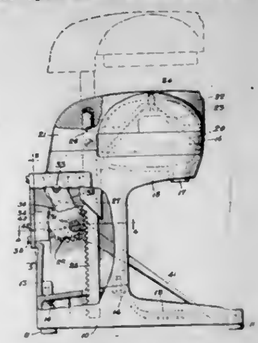
2,474,398
SURFACE FLUXING COATED LINER
Clark C. Heritage, Cloquet, Minn., assignor to Wood Conversion Company, St. Paul, Minn., a corporation of Delaware
Application April 21, 1943, Serial No. 483,897
17 Claims. (Cl. 154—33.05)



9. The method of making a creped sheet having resistance to the transmission of water-vapor, which comprises applying to sheet material to be creped a fusible substance having the property of resisting the transmission of water-vapor and having the property of being adhesive when hot and nearly solid, causing said coated sheet while in an adhesive condition to adhere to a creping roll and removing the sheet therefrom by a doctor blade to effect creping of the sheet, exposing the said coat material on the creped sheet to a fluxing heat and thereby fluxing at least the exposed surface of the coat, cooling the resulting coat to the point of adhesiveness and near-solidification while avoiding make-and-break adhesive contact with the coat during the cooling and while the coat is in the adhesive condition, and uniting the sheet to another element by the adhesiveness of the coat in the nearly solid condition.

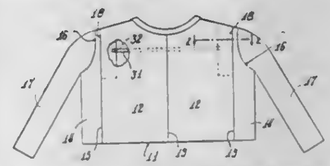
2,474,399
FRUIT JUICE EXTRACTOR
Herbert C. Johnson, Wilmette, Ill.
Application December 18, 1944, Serial No. 568,642
16 Claims. (Cl. 100—42)

1. An extractor comprising fixed and movable squeezing elements, a rack connected to the movable element, a pinion for moving the rack, a hand lever for rotating said pinion, and means for rotatably and swingably supporting said pinion on an axis eccentrically thereof, whereby the distance from said axis to said rack varies to provide rapid movement of the movable element when adjacent the open position thereof and increased



pressure between the elements when the movable element is adjacent its closed position.

2,474,400
GARMENT
Morris Michel, Chicago, Ill., assignor to Rothmoor Corporation, Chicago, Ill., a corporation of Delaware
Application January 31, 1947, Serial No. 725,573
1 Claim. (Cl. 2—93)



In a garment, a back portion fashioned from non-elastic material, a substantially rectangular pleat-flap on each side edge of the back portion coextensive with the part only that overlies the shoulders of a wearer, said pleat-flaps each being folded along a line contiguous with the respective side edge of the back portion against the inside face of the back portion, supplemental portions of non-stretchable material each having an extension on one edge corresponding in size and shape to the folded pleat-flaps, said supplemental portions being secured along the edges carrying the extensions to opposite side edges of the back portion, with their extensions underlying the folded pleat-flaps, the supplemental edges of the pleat-flaps and the extensions being secured together to provide the assembly with substantially rectangular pleats opening along the unsecured folded edge of the back portion, and stretchable means connecting the inner edges of the pleats, one with the other.

2,474,401
FLUID HEATER
Bernard E. Mustee, Cleveland, Ohio, assignor to E. L. Mustee and Sons, Inc., a corporation of Ohio
Application October 29, 1947, Serial No. 782,771
1 Claim. (Cl. 122—250)

Fluid heater means comprising, fuel combustion burner means, water-conducting coil

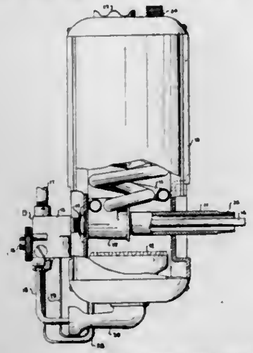
means mounted above said burner means, an intake manifold including a conduit having an entrance end and a coil header end, said coil header

lever-recess, and being yielding so as to enable both dismounting and remounting of the head by relative movement of head and lever in the plane of the wrench structure.

stationary blades in the housing; a rear and a front end plate closing the ends of the housing; a shaft rotatively supported in the end plates; a tubular rotor mounted on the shaft in the housing; a plurality of rows of blades on the rotor; the

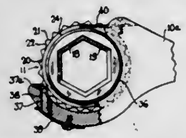
2,474,406
APPARATUS FOR REPRODUCING CHARACTERS AND THE LIKE
Stanley Horace Tillett, Wanstead, London, and Bert David Feild, Romford, England, assignors to Tillett's Cotton Marking Machines Limited,

means mounted above said burner means, an intake manifold including a conduit having an entrance end and a coil header end, said coil header end having coil attachment means securing said coil means in fluid-conducting relationship with said coil header end, said coil means defining a water-conducting path continuously spiraling downward to said intake manifold and providing a slide through which solid foreign matter can slide down into said intake manifold, said coil



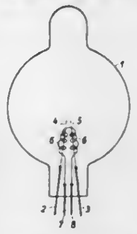
header end forming a longitudinal continuation of said conduit portion substantially along a longitudinal axis common to said conduit portion and said header end, said coil header end having an axial opening, fuel-flow control means removably closing said axial opening and having a temperature responsive member extending within said conduit portion, said fuel-flow control means being removable from said coil header end to permit a cleaning tool to be passed through said conduit from the axial opening.

2,474,402
RATCHET MEANS
Maurice A. Napier, Akron, Ohio
Application July 12, 1945, Serial No. 604,605
7 Claims. (Cl. 74—156)



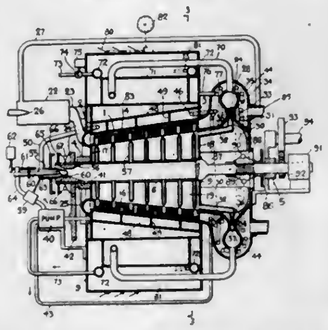
1. In a ratchet wrench the combination of a lever, and a head removably mounted on one end thereof, said head formed circumferentially with ratchet teeth having end faces that taper toward each other, and with trunnions at each side of the ratchet teeth, said lever formed with a recess of 180° extent in which said head is receivable, which recess comprises a groove having sides tapered complemental to the ratchet teeth and adapted loosely to contact the latter, there being bearing surfaces each side of said groove on which the trunnions of the head are seated, and ratchet means carried by the lever at relatively widely spaced points and engaging said ratchet teeth on the head for turning the latter when the lever is turned in one direction, said ratcht means including spring mechanism adapted normally to retain said head in said lever-recess, and being yielding so as to enable both dismounting and remounting of the head by relative movement of head and lever in the plane of the wrench structure.

2,474,403
ARC LAMP AND ITS LOW-TENSION IGNITION
David Reichinstein, Zurich, Switzerland
Application March 18, 1944, Serial No. 527,053
In Switzerland October 15, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 8, 1963
3 Claims. (Cl. 315—278)



1. In an arc light radiating lamp comprising two main electrodes, a loop-shaped auxiliary electrode mounted in said lamp transversely and close to said main electrodes to generate an auxiliary arc between itself and one of said main electrodes, a single source of alternating current, a transformer having a single primary coil connected with said source, and a secondary coil consisting of two partial secondary non-uniform coils interconnected in series, means connecting the entire voltage of said coils of the transformer with said main electrodes, an impedance, means electrically connecting said impedance in series with said auxiliary electrode and the smaller of the two partial secondary coils, and a switch connected in parallel with said impedance, whereby the closing of said switch short-circuits said impedance.

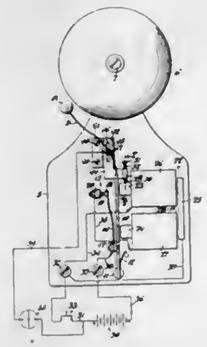
2,474,404
COMBUSTION TURBINE
Sanford E. Richeson, Brooklyn, N. Y.
Application December 6, 1945, Serial No. 633,217
9 Claims. (Cl. 60—41)



9. In a combustion turbine the combination of a tubular housing; a plurality of rows of spaced

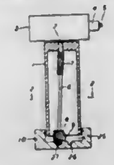
stationary blades in the housing; a rear and a front end plate closing the ends of the housing; a shaft rotatively supported in the end plates; a tubular rotor mounted on the shaft in the housing; a plurality of rows of blades on the rotor; the rear end plate having an intake opening and the the front end plate having an exhaust opening; a vessel in a communication with the intake opening and comprising a combustion chamber; means to admit a cooling medium into the rotor, the shaft being hollow at one end; tubular ducts extending radially from the shaft to the rotor blades; means to admit a vaporizable liquid fuel into the rotor and thereby obtaining vapors at a high pressure; a centrifugal compressor operated by the shaft; and means to admit the vapors into the combustion chamber.

2,474,405
SUSTAINED ELECTRIC SIGNAL OPERATING DEVICE
John W. Ritti, Los Angeles, Calif.
Application March 31, 1947, Serial No. 738,344
6 Claims. (Cl. 177—7)



1. An electric signaling device, comprising: a bell element; a vibratory armature adapted to strike said bell element; a primary electric circuit including a manually-operable primary switch and an electro-magnet having a core and a winding, said electro-magnet being energized, upon closing of said primary circuit in response to closing of said primary switch, to actuate said armature; electrical make-and-break means in said primary circuit for effecting intermittent energization of said electro-magnet; a secondary electric circuit connected in parallel with said primary circuit and including a manually-operable secondary switch for selectively closing and opening said secondary circuit; and electromagnetically-operable means included in said secondary circuit and operable, in response to energization of said winding by said primary circuit and after said secondary switch is closed, to contact said core to complete said secondary circuit through said core, said secondary circuit being connected to said primary circuit in such a manner that said winding remains intermittently energized to effect continuous vibration of said armature after said primary switch is opened and until said secondary switch is subsequently opened.

2,474,406
APPARATUS FOR REPRODUCING CHARACTERS AND THE LIKE
Stanley Horace Tillett, Wanstead, London, and Bert David Feild, Romford, England, assignors to Tillett's Cotton Marking Machines Limited, London, England, a British company
Application November 30, 1945, Serial No. 631,854
In Great Britain October 23, 1945
13 Claims. (Cl. 112—102)



1. In a tracing unit for use in connection with an automatic character reproducing machine, the combination of a toothed rack shaped to the form of the character to be reproduced, the direction of length of the teeth of the rack being substantially perpendicular to the general plane of the character, a driven pinion engageable with the rack and movable therealong as it rotates, means tending to maintain the pinion in mesh with the rack as it moves therealong, a rotatable driving member for the pinion, connected to the latter through a yieldable connection which affords to the pinion a freedom for universal movement in a plane substantially perpendicular to said direction of length, thereby enabling it to operate at either side of the rack and on reaching the end thereof to roll therearound from the one side of the rack to the other, said driving member being disposable with its axis of rotation substantially parallel with said direction of length, and guide means for the driving member whereby as the pinion is driven and in consequence is caused to move along the rack, carrying the driving member with it, the driving member is caused to follow a single-outline course which is determined by the shape of the rack and is common to both sides of the rack as regards the operating position of the pinion in relation thereto.

2,474,407
POLARITY INDICATOR PLUG
William L. Todd, Fort Thomas, Ky., and Elbert E. Greenberg, Cincinnati, Ohio, assignors to The Kelley-Koett Manufacturing Co., Covington, Ky., a corporation of Ohio
Application January 15, 1945, Serial No. 572,886
8 Claims. (Cl. 177—311)



1. A polarity indicator plug for electric outlet receptacles comprising a casing, prongs projecting from the casing for insertion into the sockets of the receptacle, a glow type lamp housed in the casing, said casing having at least one aperture through which it may be viewed, an impedance

in the casing connected in series with the lamp, a conductive element exposed on the casing, said element, the lamp and the impedance being con-

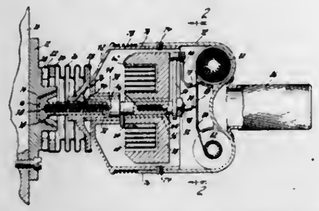
tending along each of its side edges, and transverse corrugations in the body strip between said beads and spaced substantially apart along the

2,474,412
SOAPLESS-GERMICIDALLY ACTIVE DETERGENT
Frederick C. Bersworth, Verona, N. J.

horizontally disposed bent portion extending from said horizontal arm in the opposite direction with respect to said parallel supporting members, a

in the casing connected in series with the lamp, a conductive element exposed on the casing, said element, the lamp and the impedance being connected in series with one of the prongs.

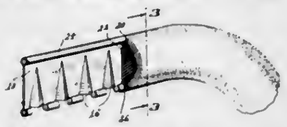
2,474,408
TORSIONAL VIBRATION EXHIBITING MEANS
Thomas C. Van Degrift, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 19, 1945, Serial No. 583,528
8 Claims. (Cl. 346—7)



5. A portable vibration exhibiting device adapted to be applied to a rotating member having clutch means, said device comprising a housing member, a spindle rotatably carried by the housing member, an inertia mass rotatably carried within the housing member and driven by the spindle, means resiliently connecting the spindle and inertia mass to rotate the inertia mass at the average speed of the spindle, exhibiting means carried by the spindle and inertia mass for exhibiting angular movement between the spindle and inertia mass, clutch means having elements complementary to the first-mentioned clutch means, the second-mentioned clutch means being secured to and carried by one end portion of the spindle for rotation therewith and being adapted to engage the first-mentioned clutch means with a slip engagement to start rotation of the spindle when the device is applied to said rotating member while it is rotating and to drive the spindle positively when the speed of the spindle has been brought up to that of said rotating member, the complementary elements of the second-mentioned clutch means being biased axially outwardly from said end portion of the spindle, a second housing member telescopically mounted with respect to the first-mentioned housing member, supporting means carried by the second housing member for an element adapted to receive a record from the exhibiting means, and means normally biasing the second housing member to a position relative to the first housing member preventing the element from receiving a record, the last-mentioned means being overcome as the device is applied to said rotating member and the second housing member being moved relative to the first-mentioned housing member to a position enabling the record receiving element to receive a record from the exhibiting means.

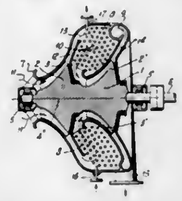
2,474,409
WEATHER STRIP
Frank R. Anderson, South Hampton, N. H., assignor to The Bailey Company, Inc., Amesbury, Mass., a corporation of Massachusetts
Application June 11, 1947, Serial No. 753,918
8 Claims. (Cl. 20—69)

2. In a weather strip for vehicle bodies and the like, a sheet metal body strip having a bead extending along each of its side edges, and transverse corrugations in the body strip between said beads and spaced substantially apart along the body strip, each said corrugation being formed between substantial plane body portions of the strip, and each being generally V-shaped in cross-section and having generally V-shape extent



from one end to the other thereof, whereby said body strip may be bent in its own plane with said corrugations closing to accommodate excess material at the smaller radius of the bend and without appreciable displacement of said substantial plane body portions of the strip out of their original plane.

2,474,410
MULTISTAGE COMPRESSOR
Georg Aue, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application December 8, 1945, Serial No. 633,745
In Switzerland January 13, 1945
6 Claims. (Cl. 230—209)



1. A multistage compressor comprising an impeller body having a cone shaped surface portion, vanes extending from said surface portion, a substantially cylindrical pressure casing surrounding said surface portion and forming an annular chamber of substantially triangular radial sectional configuration, and substantially annular cooling means disposed in said chamber and extending around the axis of rotation of said impeller body.

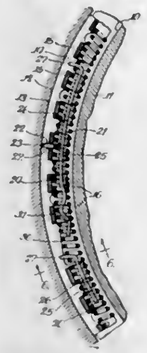
2,474,411
METHOD OF RECLAIMING THE HYDROCARBON CONTENT OF USED HYDROCARBON LUBRICANTS
Frederick C. Bersworth, Verona, N. J.
No Drawing. Application March 17, 1948, Serial No. 15,516
7 Claims. (Cl. 196—16)

1. The method of treating used hydrocarbon lubricants and greases to recover the hydrocarbon compounds therein which comprise agitating the said hydrocarbons while in liquid phase for an extended time interval with an aqueous solution containing ethylene diamine tetra-acetic acid and an alkali metal hydroxide in such relative amounts providing not less than two and not over four molar weights of the alkali metal base for each molar weight of the acid and then separating the hydrocarbons from the aqueous solution.

2,474,412
SOAPLESS-GERMICIDALLY ACTIVE DETERGENT
Frederick C. Bersworth, Verona, N. J.
No Drawing. Continuation of application Serial No. 724,250, January 24, 1947. This application September 16, 1947, Serial No. 774,422
7 Claims. (Cl. 252—106)

1. A germicidally active detergent composition for use in water containing water hardening constituents, said composition consisting of a mixture containing 10% to 30% of an alkali metal salt of ethylene diamine tetraacetic acid and from small amounts up to 25% of a quaternary ammonium salt of ethylene diamine tetraacetic acid, the quaternary ammonium cation of said salt being germicidally active, balance consisting of simple alkali metal detergent salts of the group consisting of phosphates, carbonates, silicates, borates, sulfates and mixtures thereof.

2,474,413
PISTON RING
Arthur M. Brenneke, New Castle, Ind., assignor to Perfect Circle Corporation, a corporation of Indiana
Application January 2, 1947, Serial No. 719,788
12 Claims. (Cl. 309—29)



1. A piston ring comprising a ring member having a gap, a spring positioned within said ring member and bearing radially outwardly thereon to expand said ring member, and means for holding said spring under load without expanding the ring member beyond a predetermined size when out of the cylinder, whereby said spring will exert a large expansive force on said ring member when confined within the cylinder, said means being operable to hold said spring under said load irrespective of the width of the gap in the ring member.

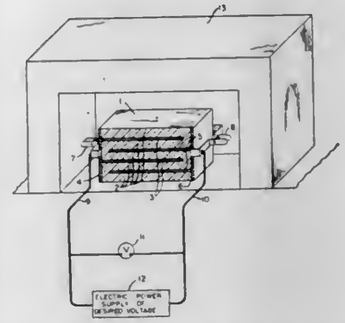
2,474,414
BRACKET FOR SHADES, CURTAINS, AND DRAPERIES
Salvatore A. Cavalier, Orlando, Fla.
Application January 21, 1946, Serial No. 642,499
1 Claim. (Cl. 248—257)

A double supporting bracket including an angle plate having a flat horizontal arm connected to an upwardly directed arm in the same plane therewith, a pair of substantially parallel supporting members for a curtain rod projecting horizontally from the upper end of the upwardly directed arm and perpendicularly from the surface thereof, a horizontally disposed bent portion extending from said horizontal arm in the opposite direction with respect to said parallel supporting members, a



sleeve member slidably mounted thereon and having means for supporting a roller shade pintle, and means for fixing said sleeve member in any attained position along said bent portion.

2,474,415
DIELECTRIC STRENGTH TEST FOR CAPACITORS
Alden J. Deyrup, Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 18, 1945, Serial No. 617,183
3 Claims. (Cl. 175—183)

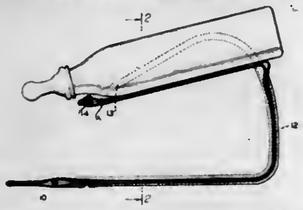


1. The method of testing the sufficiency of dielectric strength of an electrical capacitor constructed with ceramic dielectric material which comprises heating the capacitor to a uniform temperature between 100° C. and 300° C., and applying to said heated capacitor, for a period of one to ten seconds, an electric current having a voltage between 1.6 and 5.0 times the voltage which said capacitor is designed to carry and measuring the voltage across the capacitor during said period to detect electric breakdown of the dielectric material.

2,474,416
BOTTLE SUPPORT
Jesse E. Du Bois, New York, N. Y.
Application December 24, 1947, Serial No. 793,597
2 Claims. (Cl. 248—105)

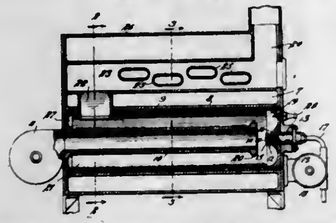
1. A holder for a nursing bottle comprising a frame having a U-shaped upper portion integral with a pair of downwardly extending members and a U-shaped base member integral with the downwardly extending members, and a fabric cover comprising a pair of sheets secured together

along the periphery sufficiently to retain it in position on the frame, said cover being loose on



the upper U-shaped portion to permit it to sag, said cover further enveloping the entire frame.

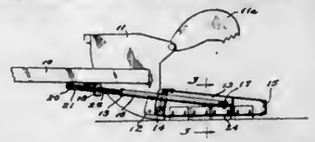
2,474,417
HEATING APPARATUS FOR BURNING A LIQUID FUEL SPRAY
George A. Gillen, Bronx, N. Y.
Application December 12, 1944, Serial No. 567,888
1 Claim. (Cl. 158—4)



Heating apparatus comprising an elongated, substantially horizontally extending, substantially cylindrical combustion chamber having an outlet at one end, an air supply tube entered through said outlet end of said combustion chamber and extending to near the opposite end of the combustion chamber, said air supply tube spaced from the surrounding walls of the combustion chamber and providing therewith an annular combustion space substantially the full length of the combustion chamber, a flow reversing baffle at the last mentioned end of the combustion chamber opposite the discharge end of the air tube and arranged to reverse flow from said air tube and direct the same back into the annular combustion space surrounding said tube, a fuel injector at the center of said baffle and directed toward the discharge end of said air supply tube and means connected with the outer end of said tube for forcing a supply of air through said tube to said flow reversing baffle and fuel injector at the far end of the same and whereby injected fuel will be combined with preheated air issuing from the air supply tube and the combination be caused to burn as a combustible mixture in the annular combustion space about the air tube, imparting heat interiorly to the air supplied through the air tube.

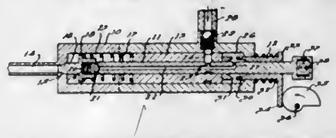
2,474,418
SHOVEL ATTACHMENT FOR SELF-LOADING TRUCKS
Michael Graves and Anatoly Lankovski, Los Angeles, Calif., assignors to Matthew B. Butler, Chicago, Ill.
Application October 29, 1946, Serial No. 706,342
2 Claims. (Cl. 214—78)

1. A scoop for a self-loading truck or the like having at one side thereof means extending outwardly and forwardly thereof adapted to direct material into the entrance of the scoop as the scoop is moved upwardly over the ground, said means being pivotally secured to the scoop for swinging movement relatively thereto, a bar



pivotally secured to said means and extending rearwardly therefrom and spring means effective on the bar serving to urge said means into a predetermined position with relation to the scoop by permitting it to be swung in either direction from said position.

2,474,419
FUEL INJECTION APPARATUS
Jesse R. Hale, Berkley, Mich.
Application February 2, 1945, Serial No. 575,893
15 Claims. (Cl. 103—41)

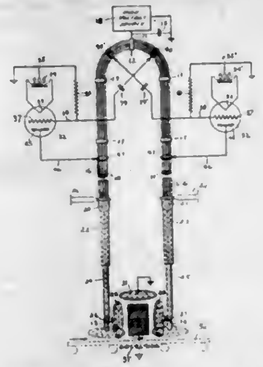


1. In a fuel injector having a housing provided with a charging port and an ejection port; a plunger in the housing dividing the interior thereof into a pair of chambers communicating respectively with said ports; a passage interconnecting said chambers; a valve for controlling said passage and ejection port; and a spring operably connecting said plunger and valve; said spring and valve being so arranged that opening of said passage and closing of said valve is simultaneously effected.

2,474,420
HIGH-FREQUENCY DIELECTRIC HEATING APPARATUS
Loran B. Himmel, West Des Moines, Iowa, assignor, by mesne assignments, to Ross M. Carrell
Application July 16, 1945, Serial No. 605,394
11 Claims. (Cl. 219—47)

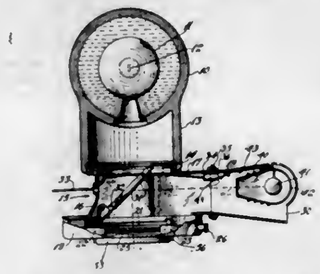
1. A dielectric heating system comprising a generally U-shaped conducting structure with work electrodes at the free ends of said structure, said electrodes forming a condenser whose dielectric includes a load, said load and conducting structure operating as a quarter-wave transmission line type tank circuit having a nodal point about mid-way along the structure, at least one vacuum tube having at least a cathode, control grid and anode, a resistor between the grid and cathode, a connection for radio frequencies between the anode and said tank, a connection for radio frequencies between the grid and said tank, said grid and anode connections having negligible length along said tank and being oppositely phased, a radio frequency connection between the cathode and nodal point and a source of high potential between said cathode and anode, said tank being otherwise free of discrete high frequency inductors or capacitors to minimize the formation of parasitic

circuits and, within the power limits of the system, the condenser containing the load be-



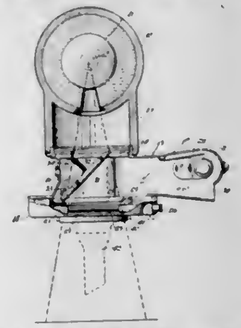
ing the dominant influence in the amount of power dissipated in the dielectric.

2,474,421
X-RAY EQUIPMENT
Oswald Conrad Hollstein, Secaucus, N. J., assignor to F-R Machine Works, Long Island City, N. Y., a firm
Application February 19, 1948, Serial No. 9,519
3 Claims. (Cl. 250—105)



1. In an X-ray apparatus, a housing open at the bottom and at one side and adapted to be coupled with a source of X-rays and normally to be located below said source, a demountable head coupled to said housing at the open side thereof, a source of light located in said head, a light reflector located in said housing, said reflector disposed in the path of a beam of X-rays from said source of X-rays and in the path of a beam of light from said source of light, said beams being angularly disposed with respect to each other and intersecting each other at said reflector, the central ray of said X-ray beam being at an angle of 45° to said reflector, means coupled with said housing and located below said reflector for controlling the size of said X-ray beam emitted therethrough and of the reflected light beam emitted downwardly through said housing and whose incident light beam emanates from said source of light, a window through which an observer may view in said reflector an image of a surface outside of said means and illuminated by said reflected light beam, said viewing window being in the outer end of said head, the effective reflecting surface of said reflector facing said means and said window.

2,474,422
X-RAY EQUIPMENT
Oswald C. Hollstein, Secaucus, N. J., assignor to F-R Machine Works, a firm
Application November 20, 1947, Serial No. 787,224
10 Claims. (Cl. 250—105)



1. In an X-ray apparatus, a housing adapted to be coupled with a source of X-rays and normally to be located below said source, a substantially point source of light located in said housing, a light reflector located in said housing, said reflector disposed in the path of a beam of X-rays from said source of X-rays and in the path of a beam of light from said source of the light, the central rays of said beams being at right angles to each other and intersecting each other at said reflector, said source of X-rays and said source of light being equidistant from said point of intersection, said central light ray being at an angle of 45° to said reflector at said point of intersection, means coupled with said housing and located below said reflector for controlling the size of said X-ray beam emitted therethrough and of the reflected light beam emitted downwardly through said housing and whose incident light beam emanates from said source of light, a window through which an observer may view in said reflector an image of a surface outside of said means and illuminated by said reflected light beam, said viewing window being in said housing, the effective reflecting surface of said reflector facing said means and said window.

2,474,423
STAGE LIFT PUMP
Walter G. Hurley, Gladewater, Tex., assignor of one-third to Horace Hamilton, Wharton, Tex.
Application May 17, 1945, Serial No. 594,203
3 Claims. (Cl. 103—248)

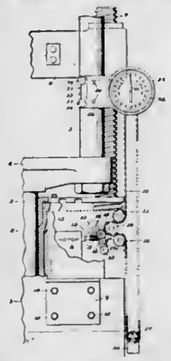
1. A stage lift apparatus for a well including a fluid displacement unit comprised of an elongated housing having a pressure inlet port adjacent its top and into which fluid rises from said well, a fluid pipe entering said housing at its top and depending to a point therein adjacent its bottom, a valve in the lower end of said pipe, a two-way rotary valve in control of said pressure inlet port, a float chamber in said housing capable of limited longitudinal movement therein, a float stop in the upper end of said chamber, a float in said chamber, a pressure exhaust pipe extending through said housing and having communication with

said inlet port, a pair of relatively pivoted arms connecting the top of said chamber with said inlet valve for opening the same to pressure entering said inlet port when fluid rising in said hous-



ing elevates said float against said float stop to evacuate said fluid through said fluid pipe, and spring means in control of said arms to render them effective upon recession of said float and chamber to open said valve to said exhaust pipe.

2,474,424
RATE OF MOVEMENT CONTROL APPARATUS
Lawrence K. Hyde, Washington, D. C., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application July 17, 1946, Serial No. 684,392
5 Claims. (Cl. 235—103.5)



1. A rate of motion apparatus for a movable member, comprising an indicating mechanism including a rotatable element and an indicator responsive to rotary movement thereof, a flexible endless power transmission element connected to said rotatable element, power mechanism adapted to drive said flexible element at a predetermined rate of speed, means for supporting one of said mechanisms by said movable member, and means for supporting the other of said mechanisms in a relatively fixed position, whereby said rotatable element is controlled in a predetermined manner by said transmission element upon occurrence of a differential rate of movement between said flexible element and the movable member.

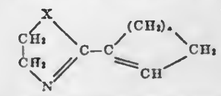
2,474,425
CUTLERY CONSTRUCTION
Joseph G. Jackson, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application July 25, 1945, Serial No. 606,952
4 Claims. (Cl. 30—344)



1. In an article of cutlery, a handle having one end thereof split longitudinally by a slot terminating short of the other end and exposed at opposite longitudinal sides of the handle, a ferrule covering the outermost portion of the split end of said handle and a portion of the slot exposed at opposite longitudinal sides of the handle adjacent said outermost portion, a blade having a tang passed through said ferrule and positioned in said slot with its edges spaced short of the rearward limits of the slot and the longitudinal side surfaces of the handle defining exposed portions of the slot, a U-shaped metal insert positioned in said slot in abutment with the rearward limits of the slot and covered at the forward limits of said slots by said ferrule and so constructed and arranged between said ferrule and said rear limits of the slot as to present an external edge surface flush with said side surfaces of the handle defining exposed portions of the slot and internal edges with which said edges of the tang have peripheral mating engagement, and means piercing the tang and portions of the handle on opposite sides of the tang in rearwardly spaced relation to said ferrule operative to maintain the tang and handle in rigid assembly.

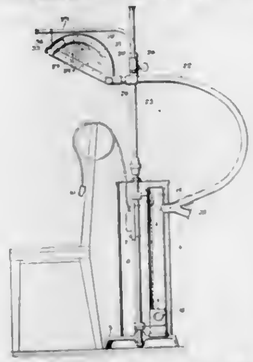
2,474,426
CYANINE DYESTUFFS AND DYESTUFF INTERMEDIATES
John David Kendall, Harold Gordon Suggate, and Henry Walter Wood, Ilford, England, assignors to Ilford Limited, Ilford, Essex, England, a company of Great Britain
No Drawing. Application August 20, 1942, Serial No. 455,442. In Great Britain December 10, 1941
6 Claims. (Cl. 260—240)

1. A process for the manufacture of dyestuffs which comprises condensing a compound selected from the class consisting of the alkyl and aralkyl quaternary salts of a compound of the general formula:



where X is selected from the class consisting of oxygen, sulphur and selenium and n is more than 1 and not greater than 3, with a compound selected from the class consisting of the alkyl and aralkyl salts of a heterocyclic nitrogen compound of the type commonly used in the manufacture of cyanine dyes containing in one of the α and γ positions to the quaternary heterocyclic nitrogen atom, a reactive group selected from the class consisting of thioether, selenoether, and aminovinyl groups.

2,474,427
HAIR DRIER
Ernest Kaiser Kending, Flushing, N. Y.
Application October 23, 1945, Serial No. 623,985
4 Claims. (Cl. 34—99)



1. A portable pressure warm air hair drier, including, in combination, a standard, a longitudinal electric air heater disposed substantially parallel to the lower portion of said standard and connected to it for support, a cold pressure air intake means at the lower portion of said heater and a warm air outlet means connected with the upper portion of said heater, a slide means vertically movably connected with the upper portion of said standard, an air conduit connected with said outlet means and extending through said slide means, a support member connected with said slide means, and a drier cap depending from said support member and comprising a warm air discharge means connected with said air conduit.

2,474,428
PATTERN MARKING LETTER
Ernest T. Kindt, Lakewood, Ohio
Application February 12, 1945, Serial No. 577,487
4 Claims. (Cl. 22—158)



4. An assembly of pattern letters comprising a plurality of rectangular plates of uniform height with letters formed on the upper face of said plates, the face of the plates being undercut at the lateral edges thereof so that the upper face extends beyond the lower face, the pattern letters being disposed in juxtaposition to form a composite symbol.

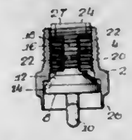
2,474,429
SELF-LOCKING GARMENT HANGER
Sylvester Kreitmayr, Brooklyn, N. Y.
Application April 7, 1945, Serial No. 587,045
2 Claims. (Cl. 24—232)

1. A locking device for a garment hanger provided with a shank connected to a yoke and terminating above in an arcuate suspension hook, said locking device including a U-shaped channel member having opposed edge portions mutually deflected toward each other to produce a resilient clutching action on the shank when caused to clasp said shank, and a lateral U-shaped arm rigidly extending from the upper portion of said channel member at an angle thereto, the U-shaped arm having openings spaced apart for receiving the arcuate hook therethrough to confine portions thereof within the



same and expose an intermediate arched portion of the hook above said U-shaped arm when the opposed edge portions of the channel member clasp said shank.

2,474,430
VALVE
Charles E. Laue, Chicago, Ill.
Application June 23, 1945, Serial No. 601,238
1 Claim. (Cl. 137—34)



A drain valve comprising a member with a drain opening having threads therein and a seat at the outer end of said opening, and a plug having a head engageable with the seat to close said opening, said plug having a threaded shank, the threads of said shank being adapted to engage those of said opening and being interrupted to define spaced portions threaded on their remote surfaces and constituting the major longitudinal segment of said shank, said shank including a cylindrical guide portion connected to the end of said first-mentioned portions remote from said head and adapted to prevent mismating of the threads on said first-mentioned portions with those of said opening, said first-mentioned portions defining a pair of flow passages in said opening, and said cylindrical portion having an axial flow passage extending therethrough and communicating with the space between the first-mentioned portions, said axial passage communicating with both passages of said pair.

2,474,431
CLAMP
Maurice S. Lipman, Hempstead, and Wilmot W. Godon, Freeport, N. Y., assignors to Republic Aviation Corporation, near Farmingdale, N. Y., a corporation of Delaware
Application May 3, 1946, Serial No. 666,965
2 Claims. (Cl. 285—129)

1. The combination with a relatively thick sleeve of elastic material for the reception of the adjacent end portions of tube sections, each tube

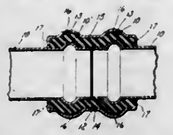
section having a projecting portion to be embedded in the inner surface of said sleeve, of a pair of arcuate clamping members hingedly connected one to the other at corresponding ends and having inwardly extending flanges at their

a tubular member disposed between the plates, a nut secured to one of the plates, a bolt extending through the tubular member and having threaded engagement with the nut, said bolt movable from the nut for releasing one of the plates to permit

2,474,435
VACUUM TUBE AMPLIFIER
Robert C. Moore, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

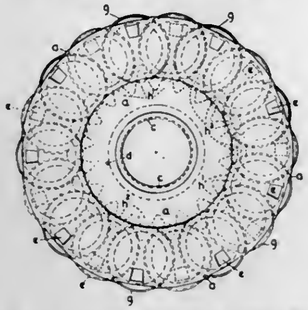
ing members and said outer element to dispose said outer element below said supporting members, said outer element having a plurality of hanger pins spaced therealong, and an inner longitudinal element swingably mounted on said supporting members intermediate their ends, said inner longitudinal element having a plurality of

section having a projecting portion to be embedded in the inner surface of said sleeve, of a pair of arcuate clamping members hingedly connected one to the other at corresponding ends and having inwardly extending flanges at their edges, the flanges of each clamping member being spaced a distance at least equal to the length of the sleeve and having a width less than the thickness of the sleeve, said flanges being situated



over the ends of the sleeve as to restrict the latter longitudinally when the clamping members operatively engage the sleeve, means carried by each clamping member for the reception and housing of the deformation of the sleeve caused by the projections on the tubes under pressure of said clamping members, and means for adjustably securing the unhinged ends of said clamping members one to the other.

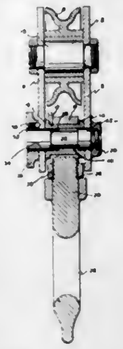
2,474,432
HAND OPERABLE INDICATING APPLIANCE
Cuthbert John Joseph Lowe, Cheltenham, England
Application August 4, 1947, Serial No. 766,056
In Great Britain October 24, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 24, 1964
2 Claims. (Cl. 235—114)



1. A hand indicating appliance, comprising two or a pair of cover plates secured together, and around each of which spaced sighting apertures are formed; disc-locating means comprising circular recesses formed in adjacent faces of said cover plates; and indicator discs bearing appropriately arranged markings revolubly positioned in said recesses, but in part projecting from the peripheries of the cover plates; and said disc-locating recesses being so arranged that the discs in part overlap one another, for the purpose specified.

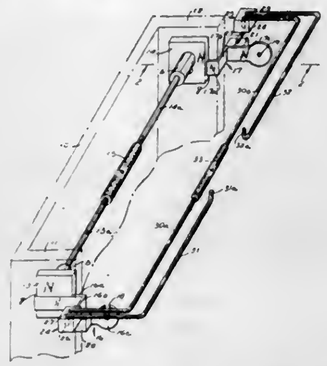
2,474,433
SNATCH BLOCK
William H. McKissick, Tulsa, Okla.
Application April 12, 1948, Serial No. 20,487
6 Claims. (Cl. 254—193)

1. In a snatch block having opposite side plates, a rotatable pulley journaled between the plates, a tubular member disposed between the plates, a nut secured to one of the plates, a bolt extending through the tubular member and having threaded engagement with the nut, said bolt movable from the nut for releasing one of the plates to permit



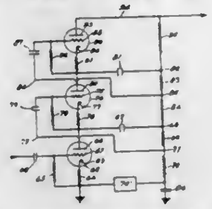
rotary displacement thereof, a reduced shank portion on the bolt providing spaced shoulders, a split resilient ring encircling the reduced portion, said ring providing frictional engagement between the bolt and the tubular member for maintaining the bolt thereon in released position.

2,474,434
COMBINED SUPPORT FOR SHADES, CURTAINS, AND DRAPES
Frank E. Mentz, Wallkill, N. Y.
Application October 22, 1946, Serial No. 704,857
5 Claims. (Cl. 160—112)



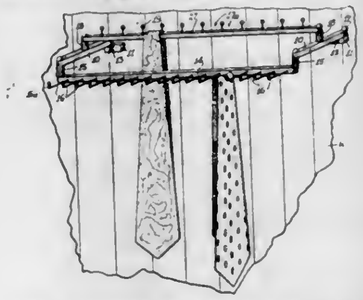
3. A combination bracket for supporting a shade roller, a curtain-rod, and over-drapery cranes, comprising a variable length cross member, brackets projecting forwardly from said member, arms projecting outwardly at right angles from said brackets respectively, and each having an end bent upwardly at right angles, rod hangers supported at the top of said ends respectively, and a variable length curtain rod demountably supported between said hangers.

2,474,435
VACUUM TUBE AMPLIFIER
Robert C. Moore, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application January 8, 1945, Serial No. 571,935
5 Claims. (Cl. 179—171)



2. In an amplifying system, a plurality of vacuum tubes, each tube having cathode, control grid and anode, means for connecting said tubes in series with the anode of each tube in the series connected to the cathode of the next tube in the series, a bias resistance between the anode of one tube and the cathode of the next tube in the series, an input circuit to the control grid of said first tube in the series, a load having one terminal connected to the anode of the last tube in the series, a source of potential connected between the other terminal of the load and the cathode of the first tube in the series, connections from said load to the control grids of the tubes above the first tube in the series, each such connection including a blocking condenser and being made to a point on the load where the amplitude of voltage variation is such as to provide signals on the control grids substantially equal in amplitude to the signals on the grid of the first tube, and an output circuit across said load.

2,474,436
COLLAPSIBLE TIE RACK
Philip Pestyner, Jamaica, N. Y., assignor to Ty-Master Corporation, New York, N. Y.
Application September 3, 1947, Serial No. 771,839
3 Claims. (Cl. 211—104)

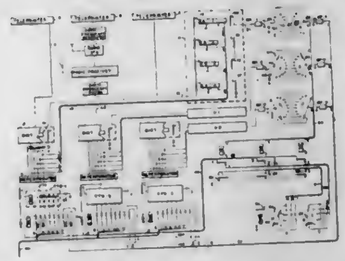


2. A collapsible tie rack for attachment to a supporting surface, said tie rack comprising a pair of spaced supporting members, a mounting lug pivotally secured to each of said supporting members at the inner end thereof, an outer longitudinal element swingably mounted on said supporting members at the outer ends thereof, spacer members interposed between said supporting members and said outer element to dispose said outer element below said supporting members, said outer element having a plurality of hanger pins spaced therealong, and an inner longitudinal element swingably mounted on said supporting members intermediate their ends, said inner longitudinal element having a plurality of spacing pins secured along the upper surface thereof, all constructed and arranged so that said pair of supporting members and said inner and outer longitudinal elements may be swung inwardly toward said supporting surface.

2,474,437
INTERNAL-COMBUSTION ENGINE CONDITIONING COMPOUNDS
Raymond I. Potter, Lorain, and Harry Gillett, Hudson, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 25, 1946, Serial No. 699,350
6 Claims. (Cl. 252—170)

1. An internal combustion engine conditioning compound, consisting of glycolmonobutyl ether 10–50 per cent, and absorbent oil boiling between about 450 and 750° F. and having an A. P. I. gravity of 30–35° and viscosity about 50 SUS at 100° F.

2,474,438
COMMUNICATION AND POSTING SYSTEM
Edwin L. Schmidt, Kew Gardens, N. Y., assignor to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application February 6, 1945, Serial No. 576,398
19 Claims. (Cl. 177—353)



18. A system for posting information regarding the movements of aircraft, comprising an announcing board having a plurality of groups of electro-responsive indicators assignable at different times to different flights respectively of said aircraft, each group having at least one indicator actuatable to different settings for displaying a flight designation and other indicators respectively actuatable to different settings for displaying a plurality of different kinds of data in regard to the flight, means for selectively setting any of said flight designation display indicators to designate a given flight, a source of message posting signals transmitted in succession and comprising a flight designation and data to be posted relating to the flight, means including a group of storage devices responsive to said flight designation signals for automatically finding and seizing a particular group of indicators having a flight designation setting corresponding to the flight designation signals and operative when no group has such flight designation for finding and seizing an

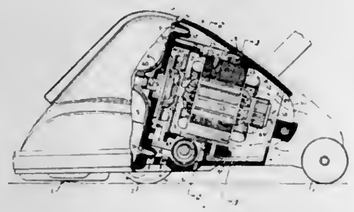
available idle group of indicators, other groups of signal storage devices for storing said data in the message, means for applying the incoming data signals to said other signal storage devices, an alarm means, means controlled by the stored signals for actuating the indicators of the seized group for displaying said data and also the flight designation when an idle group of indicators has been seized and means automatically effective for operating said alarm means to attract attention to such occurrence.

2,474,439

ELECTRIC MOTOR

Louis E. Segesman, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application September 3, 1947, Serial No. 771,831
10 Claims. (Cl. 172—36)



1. In a motor construction, a housing element constructed of non-conducting material and having a portion adjacent one end thereof formed to support a motor bearing structure, a bearing structure in said support, a removable wall of non-conducting material for closing the end of said housing remote from said one end, a motor bearing structure mounted on said removable wall, a motor field stack assembly, a metallic member having a cylindrical wall encasing and secured to a portion of the peripheral wall of said field stack assembly, means securing said metallic member to said housing element, a cylindrical flange on said removable wall member engaging said metallic member, and a motor rotor assembly supported within said field stack assembly by said bearings.

2,474,440

PROCESS FOR THE PRODUCTION OF A LITHIUM-ALUMINUM COMPOUND AS A BASE FOR A CONVERSION CATALYST

Albert E. Smith and Otto A. Beeck, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 3, 1947, Serial No. 732,129
15 Claims. (Cl. 260—683.3)

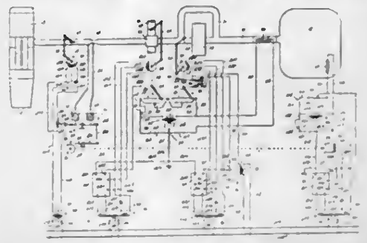
14. In a process for effecting dehydrogenation by contacting the material to be dehydrogenated under conversion conditions with a solid dehydrogenation catalyst, the improvement which comprises contacting said material to be dehydrogenated with said catalyst while the latter is disposed on the extended surface of an adsorptive lithium-aluminum compound of the formula $Li_2O \cdot 5Al_2O_3$, said lithium-aluminum compound surface being at least 30 $m.^2/g.$ and substantially free of water soluble lithium.

2,474,441

TEMPERATURE CONTROL APPARATUS FOR CABINS OF AIRCRAFT

Hubert T. Sparrow, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application June 6, 1946, Serial No. 674,748
17 Claims. (Cl. 62—6)



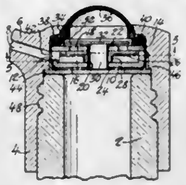
1. In an aircraft having a cabin, means for compressing air for said cabin, conduit means for conducting said air to said cabin, means responsive to the rate of air flow through said conduit means, valve means for controlling said air flow, said valve means being controlled by said rate of flow responsive means, said conduit means including aftercooler means, means for passing cooling air thorugh aftercooler means, means for controlling the said flow of cooling air, said conduit means also including refrigerating means downstream of said aftercooler means and bypass means around said refrigerating means, diverting means for controlling air flow through said refrigerating means and said bypass means, means responsive to the temperature of the air discharged from said conduit means into said cabin for controlling said cooling air controlling means and said diverting means in a sequence to lower the discharge air temperature wherein the aftercooler is first used for a portion of its capacity, the refrigerating means is next used with the aftercooler, followed by use of the refrigerating means alone and then by the refrigerating means and the aftercooler together, and means responsive to the cabin temperature for adjusting said rate of flow responsive means and said discharge air temperature responsive means.

2,474,442

LIQUID DISPENSING DEVICE WITH BULB PUMP

Donald L. Spender, Wolcott, and Gray L. Butler, Waterbury, Conn., assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application May 8, 1945, Serial No. 592,682
10 Claims. (Cl. 222—207)



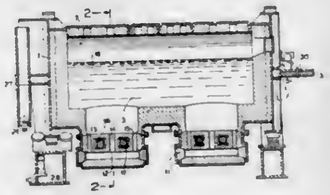
1. A liquid dispensing device adapted to be applied to a container and movable therewith to inverted and upright positions, said device comprising means having a discharge opening, means for conducting liquid from said container to said opening, valve means controlling flow of liquid from said container to said opening, a second valve means controlling flow of liquid from said container to said opening, and a compressible bulb having a cavity therein communicating with said valve means, said valve means being movable by gravity to alternative positions in each of which one of said valve means is closed and the other of said valve means is open, both of said valve means being movable in response to compression of said bulb when the container and dispensing device are in an inverted position to cause liquid to be discharged from said discharge opening, compression of said bulb when the container and dispensing device are in an upright position serving to urge said valve means to positions in which they prevent the discharge of liquid from said discharge opening.

2,474,443

DRUM TYPE INDUCTION FURNACE

Mario Tama, Morrisville, Pa., and James Lloyd Hoff, Pennington, N. J., assignors to Ajax Engineering Corporation, Trenton, N. J.

Application November 29, 1947, Serial No. 788,912
16 Claims. (Cl. 13—29)



1. In a drum-type induction furnace for molten metals a base, a metal holding chamber, a refractory lined casing housing said chamber, inductor units attached to the circumference of said casing below its horizontal center plane, a secondary melting loop in said inductor units connected with said molten metal holding chamber, the melting loop of one of said inductor units extending through a vertical center plane of the furnace and the melting loops of the other lateral inductor units extending through a plane forming an acute angle with said vertical center plane, means to rotatably support the furnace and to rotate the same into its operating positions.

2,474,444

PREPARATION OF ORGANOSILICON COMPOUNDS

Ambrose George Taylor, Birmingham, England, assignor to The Dow Corning Corporation, Midland, Mich.

No Drawing. Application July 25, 1947, Serial No. 763,753. In Great Britain February 12, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 12, 1966
8 Claims. (Cl. 260—448.8)

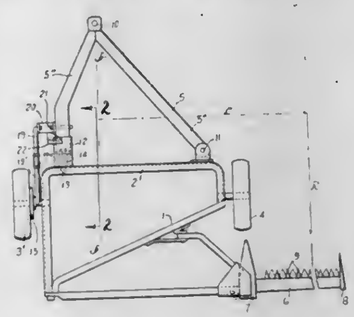
1. The method of preparing alkyl-substituted silicon compounds which comprises reacting molten metallic sodium with a tetraalkylorthosilicate and a dialkyl sulfate in liquid phase, whereby an alkyl radical from said sulfate is substituted for at least one alkoxy radical of said silicate.

2,474,445

SIDE DRAFT STABILIZER MECHANISM

Wilhelm Vutz, Coldwater, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation, a corporation of Delaware

Application June 12, 1944, Serial No. 539,897
8 Claims. (Cl. 56—321)



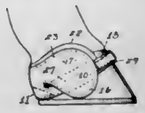
2. An agricultural mower or the like of the type wherein a wheeled chassis carries a laterally extending outrigger type cutter bar against which is exerted an unbalanced resistance to travel motion of the machine by which the chassis may be deflected from a straight path of travel, characterized by a sidedraft stabilizer, including a draft member for connection with a propelling unit, a yielding coupling connecting the chassis thereto for lateral shifting movement under influence of such unbalanced resistance to travel motion, a brake mechanism for one wheel of the chassis and actuating means therefor operated by the movement of the chassis under influence of such unbalanced resistance.

2,474,446

QUARTER BOOT FOR HORSES

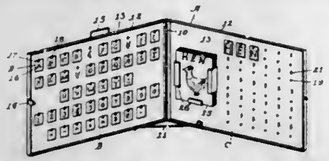
Arthur E. Warren, Des Moines, Iowa

Application November 14, 1947, Serial No. 785,905
5 Claims. (Cl. 54—82)



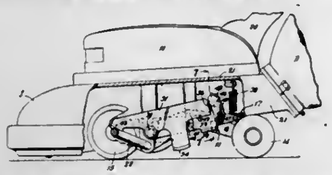
3. A quarter boot, comprising a central body portion adapted to form a guard for the rear of the foot, circular wing portions projecting from the upper end of said body to encircle the sides of the foot, strap like portions projecting laterally from the lower end of said body, a liner covering the inner surface of said portions, that portion of the liner covering said wing portions including loops; said strap portions being threaded through the loops to give the boot the proper shape to fit the foot, and to draw and hold the wing portions firmly to the foot, the inner side of the lower end of said body having a reinforcing strip including a centering lug, a strap and buckle secured to one of said strap like portions and a ring secured to the end of the other one of said strap like portions.

2,474,447
CHILD'S EDUCATIONAL TOY
Raymond Wheelock, Los Angeles, Calif., assignor to Jack R. Stanley and Michael E. Rose, both of Los Angeles, Calif.
Application June 23, 1947, Serial No. 756,397
1 Claim. (Cl. 35—73)



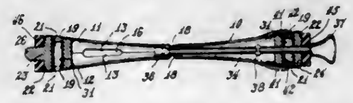
An educational toy, comprising a pair of panels each having a display inner face and a group of supporting hooks arranged in spaced relation on each of said display surfaces, a nubble projecting outwardly on each display surface below each supporting hook, alphabetical display tags removably hung in separated order by the supporting hooks and sustained in outstanding position on a display face of each of said panels, and a group of study cards displaying a group of characters to be selected and removed from one of said panels and assembled in word or character formation in outstanding position on the hangers of the companion panel by said nubbles.

2,474,448
SEMIAUTOMATIC NOZZLE ADJUSTMENT FOR SUCTION CLEANERS
Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 5, 1943, Serial No. 485,688
18 Claims. (Cl. 15—358)



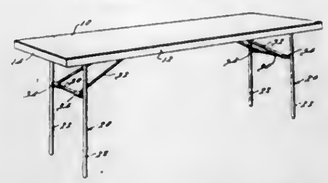
8. In a suction cleaner, a body including a nozzle having lips, a wheel, operator-operable nozzle adjusting means operable to adjust said nozzle to a predetermined height above a surface to be cleaned including mounting means movably mounting said wheel on said body, means to position said wheel relative to said body comprising a feeler-lever operatively mounted on the body and arranged to contact and control the position of said mounting means upon release of an operator-applied force on the nozzle-adjusting means and including a surface-contacting portion adapted to rest substantially on the top of an underlying surface, cooperating clutch means operatively mounted on the cleaner with respect to the feeler-lever to engage said feeler-lever in its position at rest upon an underlying surface, means to disengage said clutch means upon the application of an outside force to said nozzle adjusting means to enable said lever to drop onto a supporting surface free from the weight of said body, and means arranged to effect re-engagement of said clutch means selectively under the control of the surface-contacting portion upon release of the operator-applied force from the nozzle adjusting means and to move said lever to a position as determined by its position when re-engaged by said clutch means, the position of said lever determining the position of said nozzle.

2,474,449
EXPANDIBLE CURLING ROD
John Whyte, Chicago, Ill., assignor, by mesne assignments, to Helene Curtis Industries, Inc., a corporation of Illinois
Application April 23, 1946, Serial No. 664,314
4 Claims. (Cl. 132—33)



1. A curling rod comprising in combination a pair of segments shaped to form a tubular body, an end member retained within each end of said body, each of said end members having diametrically opposed longitudinal slots, inwardly turned portions on said segments loosely engageable in said slots to retain said segments in assembled relation but to permit limited movement towards and away from each other, and an operating stem slidable in said body and arranged to cooperate with the inner surfaces of said body to urge said segments away from each other to expand said body circumferentially.

2,474,450
FOLDING TABLE WITH PAIRED LEGS
Francis J. Woodruff, Detroit, Mich.
Application April 28, 1948, Serial No. 23,671
5 Claims. (Cl. 311—88)



1. A foldable table comprising a table top, foldable leg assemblies at opposite ends of said top and means for holding said leg assemblies in either extended or folded position including a bar secured to the undersurface of said top at substantially the middle thereof, said bar having a separate bearing surface for each of said leg assemblies and a notch at the outer end of each bearing surface, a separate latch element pivoted to each of said leg assemblies and slidable on respective bearing surfaces when said leg assemblies are moved between folded and extended positions, said latch elements entering said notches when the leg assemblies are fully extended to hold said assemblies in extended positions, and a leaf spring having an upwardly arched middle portion fastened to the bar between said bearing surfaces and having oppositely extending arm portions, said arched middle portion holding the inner ends of said arm portions spaced away from said bearing surfaces so as to accommodate the latch elements between said arms and said bearing surfaces at the inner

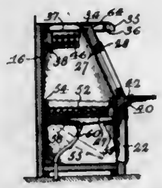
ends of the latter and to position said arms so that they gradually approach said bearing surfaces toward the outer ends thereof and bear against such surfaces at the junctures thereof with said notches, said arm portions overlying said bearing surfaces and having freely movable terminal portions projecting across said notches, said arm portions being spaced below the inner ends of said surfaces so as to accommodate the latch elements therebetween and bearing against the outer ends of said surfaces so as to hold the latch elements in said notches.

2,474,451
CULINARY UTENSIL
William C. P. Zabel and Richard C. Helfenbein, Chicago, Ill., assignors to Plasmetl Corporation, Chicago, Ill., a corporation of Illinois
Application December 7, 1945, Serial No. 633,455
3 Claims. (Cl. 30—307)



1. A culinary utensil comprising a handle, a pair of cutting wheels adapted to be positioned in spaced alignment with respect to each other, means for supporting one of said wheels in fixed position with respect to said handle, means for supporting the other of said wheels from said handle for movement from aligned position with respect to said one wheel, said last-named means comprising an arm supporting said other of said wheels, a groove and loop connection between the arm and the handle, the groove permitting the arm to be moved longitudinally of the handle and the loop being adapted to be engaged by a thumb to facilitate moving the arm longitudinally of said handle.

2,474,452
REFRIGERATOR
Adelard Amyot, Montreal, Quebec, Canada
Application February 14, 1946, Serial No. 647,483
3 Claims. (Cl. 62—89.5)



1. A refrigerator comprising a case having a cooling coil disposed intermediate the top and bottom, a partition immediately above the cooling coil dividing the interior of the case to form upper and lower compartments, a drip pan normally supported immediately below the coil and conveniently inclinable to a downward position for convenient cleaning thereof, an open mesh partition disposed above the first mentioned partition, hinged shelf sections mounted at the front of the case movable to upward out-of-the way positions and downward horizontal supporting positions, an inclined upper front wall frame, a glass plate supported longitudinally across the said frame in the upper half thereof, the hinged shelf sections being adapted to close the space below the glass plate when moved upwardly.

2,474,453
HYDRAULIC FISHING TOOL
James A. Armitage, Houston, Tex.
Application August 2, 1948, Serial No. 42,017
8 Claims. (Cl. 294—102)

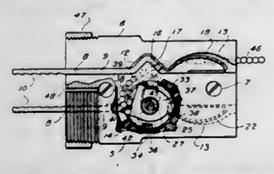


8. A fishing tool comprising, a tubular operating string of pipe including a mandrel, means on the lower end of the mandrel for engaging an object stuck in a well, a cylinder through which the mandrel works and forming a closed chamber about the mandrel, a piston on the mandrel and fitted in the cylinder, means for controlling the application of fluid pressure from the string into the cylinder on opposite sides of the piston, alternately, slips on the cylinder engageable, when in active position, with the walls of the well and adapted to allow only upward movement of the cylinder, means initially retaining said wall engaging means in inactive position to allow the tool to be lowered into the well, said retaining means being releasable upon initial application of said fluid pressure to allow said engaging means to move to active position, said cylinder having fluid passageways at its ends, valves arranged to control the cylinder passageways and means for reversing the position of said valves when the piston reaches the limit of its movement in either direction.

2,474,454
ELECTRICAL PLUG
Ralph L. Avery, Oakland, Calif.
Application February 1, 1947, Serial No. 725,918
2 Claims. (Cl. 173—361)

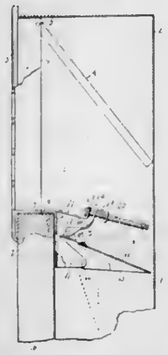
2. A switch plug comprising a body having a pair of socket engaging prongs extending therefrom, said prongs having gripping teeth formed on the inner faces of said prongs, said teeth being

directed downwardly and toward the central axis of said body so as to facilitate the insertion of the prongs into a socket and to impede the withdrawal of the same therefrom and means for adjusting the distance between said prongs, said means comprising a tapered threaded portion on



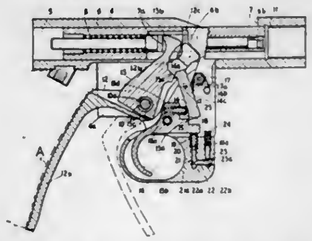
said prong end of the body, an internally threaded ring engaging said portion, said prong end having a longitudinal slot therein spaced between the prongs, said ring being adapted to draw the prongs toward each other when the ring is tightened on the threaded portion.

2,474,455
AIR DUCT CONTROL
Kenneth L. Babcock, Muskegon, Mich., assignor to Air Control Products, Inc., Coopersville, Mich., a corporation of Michigan
Application May 21, 1945, Serial No. 595,010
7 Claims. (Cl. 98—41)



1. The combination with a wall register and a conduit of rectangular section operatively associated therewith, of a plate-like damper hanger provided with rearwardly projecting arms at its ends and having an out-turned flange at its upper edge adapted for attachment to a supporting part at the front of the conduit, a damper having downturned flanges of substantial width at the ends thereof pivotally mounted adjacent their lower edges on said hanger arms, the pivots being substantially spaced from the front edge of the damper, a pivot ear on the upper side of said damper adjacent the front edge thereof, a rearwardly projecting link pivotally mounted at its forward end on said ear and having a loop at its swinging end, an adjusting screw having threaded engagement with the arms of said loop whereby the screw is supported against angular movement relative to the link, and a supporting arm on which said screw is mounted to permit rotation thereof and to prevent angular movement relative to the arm, said arm being fixed at one end to the supporting flange of said hanger, said link being springable whereby the movable parts are subjected to spring stress, the parts being carried by said hanger permitting their assembly within the conduit as a unit.

2,474,456
COCKING MECHANISM FOR BOLT ACTION RIFLES
Joseph Henry Barnett, Birmingham, England, assignor to J. H. Barnett, Son and Company Limited, Birmingham, England, a company of Great Britain
Application March 4, 1947, Serial No. 732,283
In Great Britain March 12, 1946
4 Claims. (Cl. 42—16)

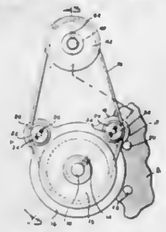


1. In a rifle having a slidable bolt, a firing pin slidably mounted on said bolt and a trigger, a cocking mechanism comprising, in combination, a vertically extending, angularly movable cocking lever pivotally mounted on a horizontal axis below the bolt, said cocking lever having a bifurcated upper end forming laterally spaced parallel arms, the bolt of said rifle having a pair of laterally spaced elongated grooves therein into which the upper ends of said arms extend, a pivotally mounted, angularly movable tumbler-lever extending upwardly substantially parallel to said cocking lever and engageable thereby for movement therewith during retraction of the bolt, the bolt and firing pin each having a slot through which and into which, respectively, the upper end of said tumbler lever extends, a firing spring acting between the bolt and the firing pin and urging the firing pin forwardly toward a cartridge in the breech of the rifle, and an intermediate sear lever pivotally mounted on the rifle and having a sear at its one end which is movable into the path of and slidably engageable with said tumbler lever to hold said tumbler lever and the firing pin in retracted and cocked position when the bolt is moved into closed position, the other end of said intermediate sear lever being engageable with the trigger, whereby pressure of said firing spring against the firing pin is applied to said tumbler lever and opposed by said intermediate sear lever, and firing is effected by pressing the trigger and swinging said intermediate lever out of the path of movement of said tumbler lever.

2,474,457
BELT DISENGAGING DEVICE
Robert Menning Barth, Bronxville, N. Y., assignor to The FR Corporation, New York, N. Y., a corporation of New York
Application May 16, 1947, Serial No. 748,585
7 Claims. (Cl. 74—216.5)

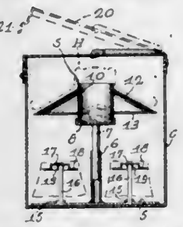
1. A device of the character described comprising a support member, a drive shaft and pulley thereon, a disc disposed about the drive shaft and associated with the drive pulley and

capable of rotating therewith, a driven shaft and pulley therefor on the support in spaced relation to the drive shaft and pulley, the pulleys being in the same plane, idler rollers mounted on the disc and spaced apart thereon a distance greater than the diameter of the drive pulley, the idler rollers being in the same plane as the drive and driven pulleys, an endless belt around and engaging the drive and driven pulleys and idler rollers, rotation of the drive shaft and drive pulley in



one direction rotating the disc and positioning the idler rollers between the drive and driven pulleys, and positively driving the belt to rotate the driven shaft and pulley in the same direction, and means, operable on rotation of the drive shaft and pulley in the opposite direction, to rotate the disc to position the idler rollers thereon on the side of the drive pulley remote from the driven pulley to thereby cause disengagement of the belt from the drive pulley.

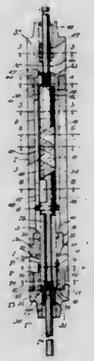
2,474,458
HAT CARRIER
Rose Beaudoin, Westmount, Quebec, Canada
Application December 14, 1946, Serial No. 716,335
In Canada November 18, 1946
5 Claims. (Cl. 206—8)



2. As an article of manufacture, a hat carrier comprising a closable case, at least one post releasably insertable into the bottom of said case so as to project in upright position in the latter, a cup formed on the top of said post, and a hat support carried by said cup composed of a cylindrical body, a conical surface flared outwardly from one end of said body, and a flat annulus extending radially outward from near the other end of said body to meet the periphery of said conical surface; whereby either end of said body is releasably insertable into said cup whilst the other end is usable to support a hat.

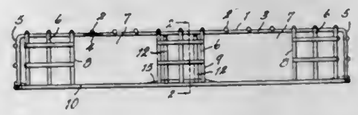
2,474,459
JAR
Julius S. Beck, Los Angeles, Calif.
Application February 19, 1945, Serial No. 578,661
7 Claims. (Cl. 255—27)

1. A jar including a lower jar member and an upper jar member, a hammer on one of said jar members and an anvil on said other jar member, means for connecting said upper jar member to an upper section of a drill pipe, said lower jar member including a coupling member for coupling said lower jar member to the upper end of a lower section of said drill pipe, a mandrel turnably connected at one end to said coupling member, a spring coiled around said mandrel and connected at one end to said coupling member and at its other end to said mandrel for normally holding said mandrel in its initial position against



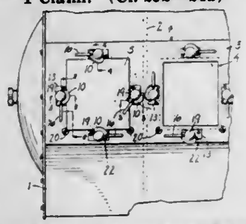
turning in one direction, said mandrel extending into and slidable axially and turnable in said upper jar member, and interengaging wedges on said mandrel and on said upper jar member, respectively, to cause said mandrel to rotate against the tension of said spring and disengage said interengaging wedges to enable said upper jar member to move upwardly with relation to said lower jar member, under upward tension applied to said upper jar member, to cause said hammer to strike said anvil and produce a jarring action.

2,474,460
PALLET OR SKID FOR LIFTING TRUCKS OR THE LIKE
Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich., a corporation of Michigan
Application June 9, 1947, Serial No. 753,427
9 Claims. (Cl. 248—120)



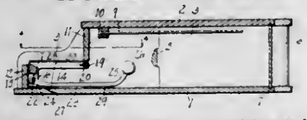
5. In a pallet, the combination of a grid-like platform or deck of metal having the edges thereof turned downwardly substantially at right angles to provide integral grid-like leg members, and a bottom frame secured to the lower ends of said leg members, portions of said leg members being removed to provide spaced openings adapted to receive the forks of a lifting truck or the like, adjacent leg members at the corners of the deck being secured together.

2,474,461
CLOSURE FASTENER FOR TUMBLING BARRELS
Richard E. Bogema, Sturgis, Mich., assignor to The Sturgis Products Company, Sturgis, Mich., a corporation of Michigan
Application May 4, 1945, Serial No. 591,925
1 Claim. (Cl. 292—241)



The combination in a container having an enclosure wall provided with a door opening, of a removable door provided with an inwardly facing gasket adapted to seat against the outer side of the enclosure wall at the edges of the door opening, latch studs mounted on the enclosure wall at the edges of the door opening, camming latch members rotatably mounted on said studs to be swung into clamping engagement with the outer side of the door, said latch members being provided with projecting portions at the front ends of their cam portions which overlie the door and are spaced from the door when it is fully closed and when the latch members are in partially open position, stops on said enclosure wall with which said projecting portions engage when the latch members are fully closed, said stops being adapted to coact with the rear ends of the latches when the latches are in fully open position, and springs on said studs at the outer sides of said latch members acting to urge them yieldingly inward, said latch members being rotatable about said studs in their latching and unlatching movements and slidable longitudinally of said studs under the action of said springs.

2,474,462
MUSICAL INSTRUMENT
John A. Brewer, Kalamazoo, Mich., assignor, by decree of distribution, to Rozelda A. Brewer
Application August 12, 1946, Serial No. 689,965
14 Claims. (Cl. 84—404)



1. A musical instrument comprising a housing including a bottom, sound elements disposed within the housing, a key pivot rod disposed transversely within the housing, keys having rearwardly facing key slots at their rear ends springably engaged with said pivot rod and downwardly projecting arms at their front ends provided with longitudinal slots and transverse key hole slots opening at the lower ends thereof, hammers having angularly disposed arms at their front ends disposed in said longitudinal slots of said keys and provided with pivots springably engaging the key slots thereof, the angled portions of said angularly disposed arms constituting sliding fulcrums for said hammers, and a combined fulcrum and buffer strip secured to the bottom below the front ends of the keys and hammer arms to receive the impact thereof and to swingably support the hammers adjacent their fulcrums.

2,474,463
WIRING PENCIL
Ellis Burrell, Cook County, Ill., assignor to the United States of America as represented by the Secretary of the Navy
Application January 13, 1944, Serial No. 518,198
3 Claims. (Cl. 242—130)



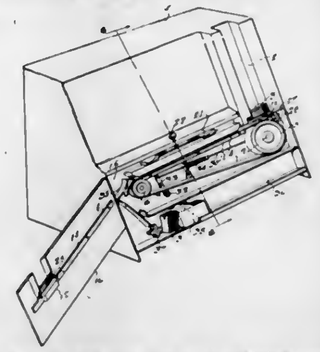
1. A wiring pencil including an open-end barrel having a comparatively long, straight inner bore and a nipple having an axially alined restricted bore, a wire-supporting spool journaled at the rear end of the barrel, and means mounted on the nipple adapted to engage and sever a portion of wire.

2,474,464
PIT PROP AND THE LIKE
Richard George Cable, Oakdale, Blackwood, England
Application April 14, 1948, Serial No. 21,023
In Great Britain April 24, 1947
5 Claims. (Cl. 248—354).



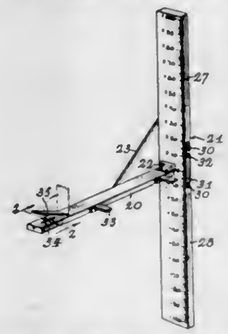
1. A prop which comprises a portion adapted to rest on a load supporting surface, a further portion adapted to bear against a superimposed load, a cylinder connected with one of said portions, a piston connected with the other of said portions, a non-return inlet valve for admitting liquid under pressure to the cylinder whereby the two first-mentioned portions may be forced against the supporting surface and the loads respectively and valve means for permitting liquid to escape from the cylinder when the load on the prop exceeds a predetermined value and thereby cause the height of the prop to be adjusted in dependence on the load on the prop.

2,474,465
DEVICE FOR FILING TYPE MATRICES
Carl A. Carlton, Fort Worth, Tex.
Application July 29, 1944, Serial No. 547,220
2 Claims. (Cl. 29—76)



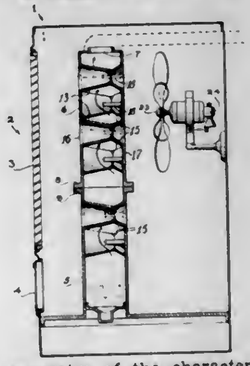
1. A filing machine for type matrices comprising a cabinet having an inclined face, a matrix chute arranged in the said face and a releasing mechanism operatively arranged at the bottom of the said chute for releasing the said matrices singly, a pair of stationary parallel rail members mounted on the cabinet below the chute and spaced to operatively and longitudinally support a matrix only by the projecting ears thereof, a file on each rail member, paired filing members above the rail members yieldably cooperating with the said stationary files engaging the upper sides of the ears of the said matrix and a belt conveyor having a lug thereon for conveying the said matrix along between the said files, a pivoted latch arm adjacent the belt conveyor, a spring tensioned rod connected to the pivoted arm and the releasing mechanism whereby said releasing mechanism is automatically actuated by engagement of said lug with said latch arm.

2,474,466
MEASURING INSTRUMENT
Wilfrid Henry Carling, Westmount, Quebec, Canada
Application December 31, 1947, Serial No. 795,017
1 Claim. (Cl. 33—64)



A measuring instrument of the character described, comprising a member having a graduated scale thereon, a sighting arm secured in perpendicular relation to said member at one end of said scale, the length of said arm being in predetermined proportion to the graduations of said scale whereby, when the former is held horizontally, the ratio of height to range of any object sighted may be determined by noting the reading at which the vertical scale is intersected by the lines of sight to limiting points of said object, the said arm being narrower than the graduated member, and at least a pair of aligned projections level with the sighting surface of the arm and projecting outside said arm from intermediate the length of one edge, said projections being adapted for sighting purposes and extending beyond the width of said member.

2,474,467
HEATING APPARATUS
Arthur W. Conley, Shaker Heights, Ohio, assignor to The Heater Corporation, Cleveland, Ohio, a corporation of Ohio
Application March 3, 1945, Serial No. 580,898
8 Claims. (Cl. 257—137)

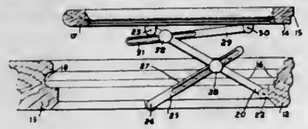


8. An apparatus of the character described having in combination a housing having a discharge outlet in its upper area, a heating chamber in the lower portion of said housing, a heat exchange chamber in said housing immediately above said heating chamber, said chambers having front and rear walls, a plurality of ducts at spaced intervals throughout at least one of said chambers and extending through the front and rear walls thereof, each of said ducts consisting of a short frusto-conical area at the intake end of said duct and a long frusto-conical area at the discharge end of said duct, a fan operating to move air intermittently through said ducts, an air intake opening formed in the front wall of said housing adjacent the base thereof, an air discharge opening formed in the front wall of said housing in a plane above the intake opening, and means to cause enhanced heating effect in each of said transverse ducts, said means comprising horizontal wings provided on the external surfaces of each of said ducts and arranged to direct the gases of combustion toward the front wall of the adjacent chamber.

2,474,468
SUPPORTING OF CASEMENTS
James Richard Cornelius, Coventry, England
Application April 2, 1945, Serial No. 586,185
In Great Britain July 22, 1944
6 Claims. (Cl. 20—53)

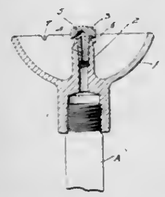
6. For a window, a stationary frame, a case-

ment frame, two spaced supporting means which are parallel to one another and are hinged at their one ends upon the stationary frame and at their other ends on the inside face of the casement frame to support the latter, two releasable clamping means inside the window carried in spaced relationship by one of said supporting means, a link hinged on the stationary frame inside the window and slotted to coact with one of said clamping



means, and a link hinged on the casement frame inside the window and slotted to coact with the other of said clamping means; the edge of said casement frame which is nearer to the said other ends of said supporting means than to the said one ends thereof, when said casement frame is in the closed position, being convex in cross-section, and the coacting edge of said stationary frame being correspondingly concave to receive said convex edge and provide therewith a good seal.

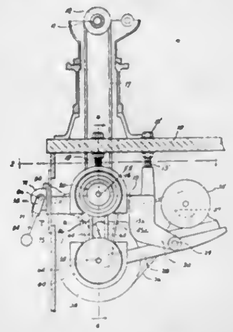
2,474,469
POULTRY DRIP FOUNTAIN
Charles De La Grange, El Monte, Calif.
Application September 4, 1945, Serial No. 614,244
2 Claims. (Cl. 119—74)



1. A drinking fountain for animals comprising a cup or bowl axially mountable on a water supply pipe and having a hollow stem axially rising from the bottom thereof, the upper portion of said stem being conically tapered, a valve seatable in said stem and axially adjustable therein, said valve having a head above the stem the bottom surface of which is undercut substantially to match the conical surface of the stem and spaced apart therefrom, there being a passage through the valve for water from said pipe to flow into the conical space between the valve head and the stem, the discharge opening from said conical space being below the rim of the bowl.

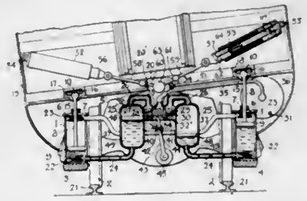
2,474,470
BELT SHIFTING MECHANISM
Merton L. Dodge, Seattle, Wash.
Application November 30, 1946, Serial No. 713,222
5 Claims. (Cl. 74—242.3)

1. The combination with a pair of parallel shafts, V-belt pulleys mounted in alignment thereon, each having a plurality of V-belt grooves therein, a V-belt applied about the pulleys and selectively applicable to paired grooves thereof to effect a driving connection, a movable frame supporting one of the shafts, means for moving said frame to move the corresponding pulley toward the other pulley to effect the disengagement of the belt from the pulley grooves, a belt housing mounted for movement with the movable frame and adapted to receive the belt therein upon its being disengaged from the pulleys, and means for shifting said housing along the pulley to selectively register the belt as carried thereby,



with any other pair of pulley grooves for the automatic seating of the belt therein when the pulleys are moved apart to a belt tightening relationship and a hand lever operable both for the actuation of the movable frame-adjusting means and for the shifting of the belt housing along the pulley shaft.

2,474,471
SHOCK ABSORBER AND STABILIZER
Charles H. Dolan, II, Old Greenwich, Conn.
Application February 9, 1945, Serial No. 576,993
2 Claims. (Cl. 105—164)



1. In a vehicle having a chassis with wheels and a body movably supported on the chassis, the combination of a shock absorbing and stabilizing device comprising a pair of hydraulic cylinders with pistons, each cylinder with its piston being interposed between one side of the chassis and a corresponding side of the body; an accumulator for each cylinder, the lower portion of the accumulator being in communication with the cylinder under the piston and arranged to contain the excess of a liquid filling the cylinder under the piston; means to admit a compressed elastic fluid into the accumulators for moving the pistons outwards in the cylinder thereby causing the pistons to support the weight of the respective sides of the body; and means to control the admittance of the compressed fluid independently in each accumulator for causing the body to bank when the vehicle is moving over a curved path.

2,474,472
DOMESTIC ELECTRIC HEATER
Charles C. Doyle, Willoughby, Ohio
Application March 20, 1945, Serial No. 583,679
6 Claims. (Cl. 219—34)



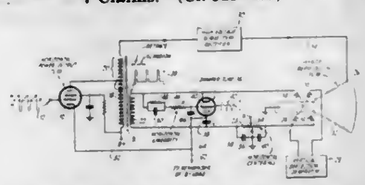
4. In an electric heater, the combination of a core, resistance wiring recessed in said core and adapted to glow, incombustible flickering particles movably overlying said wiring and a blower for actuating said pieces into contact with said wiring.

2,474,473
BALLAST LAMP
William C. Ellis, Maplewood, N. J., Louis H. La Forge, Jr., San Bernardino, Calif., and Addison H. White, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 29, 1947, Serial No. 725,006
6 Claims. (Cl. 201—76)



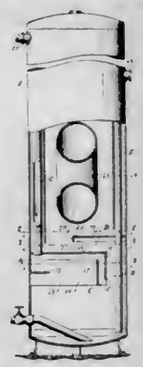
1. A ballast lamp comprising an envelope containing a resistance element of an alloy of cobalt, iron and an agent in the class of deoxidizers and desulphurizers.

2,474,474
POWER RECOVERY CIRCUIT FOR CATHODE-RAY APPARATUS DEFLECTION SYSTEMS
Albert W. Friend, Cambridge, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Application February 25, 1947, Serial No. 730,863
7 Claims. (Cl. 315—27)



1. In a cathode ray beam deflection circuit of the type in which a power output tube having at least an anode, a cathode, a control electrode, and a source of operating potential is adapted to deliver cyclically varying current to a cathode ray beam deflection coil unit through a coupling transformer when a cyclically varying voltage is applied to the said control electrode, a portion of each cycle of which varies in a substantially linear manner with respect to time and in which at least a portion of the primary winding of said transformer is connected in the anode-cathode circuit of said power tube and at least a portion of the secondary winding of said transformer is connected across said cathode ray beam deflection coil unit, the combination of a damper tube having at least an anode and a cathode, a connection from the cathode of said damper tube to a point on the secondary winding of said transformer on which a voltage of negative polarity appears during the said linearly varying portion of each cycle of the said cyclically varying voltage; an energy-storage device; a connection from the anode of said damper tube through said energy-storage device to a further point on the secondary winding of said transformer which is relatively positive with respect to the point to which the cathode of said damper tube is connected; means for connecting said energy-storage device in the anode-cathode circuit of said power tube additively in series with said source of operating potential, so that the energy stored in said device during operation of said circuit will effectively increase the normal value of the negative potential applied to the cathode of said power output tube from the said operating potential source, said damper tube is additionally provided with a control electrode, and further including means for applying a control voltage to the control electrode of said damper tube so as to vary the internal impedance of said damper tube during each cycle of the voltage variations applied to the control electrode of said power output tube.

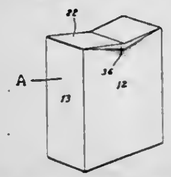
2,474,475
DEHYDRATOR
Clarence O. Glasgow, Tulsa, Okla., assignor to National Tank Company, Tulsa, Okla., a corporation of Nevada
Application May 14, 1945, Serial No. 593,724
18 Claims. (Cl. 210—47)



1. In combination in an emulsion treater, a tank having a heating chamber therein, means for heating the liquids in the heating chamber, a transverse plate defining the bottom of the heating chamber, a conductor for delivering an oil-water mixture to the tank below the plate at one side of the tank, an oil outlet from the plate

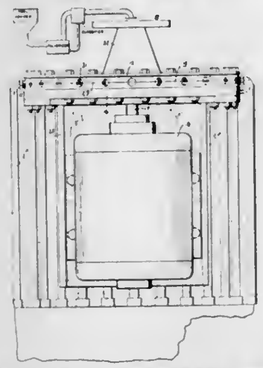
to the heating chamber for delivering oil to said chamber from below said plate spaced laterally of the tank from the conductor on the opposite side of the center of said tank, whereby the oil-water mixture is caused to flow generally laterally from said conductor to said outlet along the underside of said plate and spread in a broad stratum under said plate, means below said plate to divert the lateral flow of the liquids in advance of the outlet to permit water to precipitate from the oil-water mixture, and means for carrying off separated water from the tank.

2,474,476
CARTON
Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application December 9, 1944, Serial No. 567,371
4 Claims. (Cl. 229—5.5)



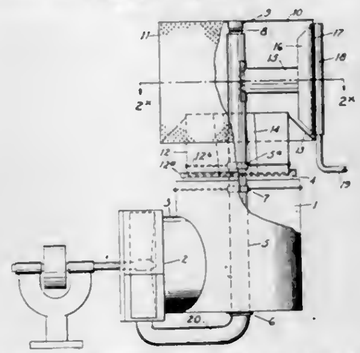
1. A carton comprising substantially tubularly arranged side walls, end closing flaps issuing therefrom, and narrow substantially triangular areas at the upper extremity of two opposed side walls tapering to the planes of said two walls at the side edges thereof and underlying the closure flaps and forming marginal supports therefor in closed position thereof.

2,474,477
PULVERIZED FUEL DISTRIBUTOR FOR BURNER NOZZLES
Floyd T. Hague, Drexel Hill, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 6, 1946, Serial No. 714,557
1 Claim. (Cl. 302—28)



In apparatus for distributing a mixture of pulverized fuel and air to a plurality of nozzle-supply passages, an impeller disc having vanes at opposite sides thereof defining impeller passages, an impeller housing providing an annular chamber encompassing the impeller and including opposed walls having close clearance with respect to said vanes, said chamber having circumferentially-distributed outlets for the respective passages with the outlets disposed outwardly from the impeller periphery, and a pulverized fuel and air mixture supply conduit communicating with the central portion of one side of the impeller so that the latter is effective to produce flow of mixture into the impeller at high velocity and to act on the mixture to discharge it through the vane passages at said one side into the annular chamber for flow through the outlets to the nozzle-supply passages.

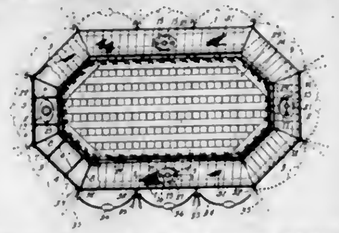
2,474,478
AIR CLEANING APPARATUS
Joseph L. Hart, Jr., Chickasha, Okla.
Application September 13, 1945, Serial No. 615,976
7 Claims. (Cl. 183—61)



2. In an air cleaning device the combination with an air circulating fan having a casing forming an inlet suction side and a pressure outlet side, the former extending vertically and open at its top, of a cylindrical screen axially supported above the top of said inlet, of a hollow drum depending from the screen and surrounding said inlet, vanes mounted in the drum, an air nozzle connected to the pressure side of said fan casing extending vertically within and adjacent one side of the screen and a receiver on the exterior of the screen for the material dislodged by the blast from the nozzle.

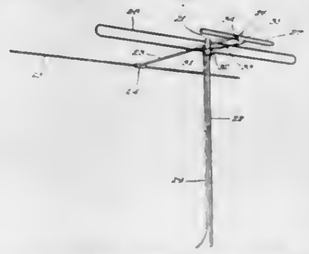
2,474,479
LIFE RAFT OR FLOAT
Jesse L. Justice, Huntington Park, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich.
Application June 8, 1944, Serial No. 539,251
10 Claims. (Cl. 9—11)

1. In a life raft or float, the combination of a frame-like buoyant body comprising side and end corner body members, each body member comprising a plurality of tubular sheet metal sections disposed end to end, flanged bulkheads between the sections, the flange of a bulkhead telescopingly engaging within the end of one section and the adjoining end of an adjacent section, the adjacent edges of the sections being welded to each other and to the flanges of said bulkheads, the side and end corner body members having mitered joints, and flat bulkheads disposed at such mitered joints, the adjacent edges of the body members at said mitered joints being welded to each other and to said last named bulkheads, such



assembly providing a plurality of water-tight compartments.

2,474,480
ANTENNA SYSTEM
George P. Kearse, Chicago, Ill., assignor to American Phenolic Corporation, Chicago, Ill., a corporation of Illinois
Application May 18, 1948, Serial No. 27,662
7 Claims. (Cl. 250—33.65)



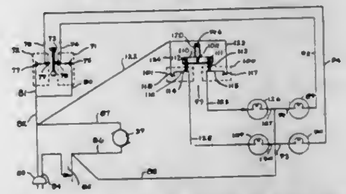
3. In an antenna system, the combination, with a radio frequency transmission line, of a pair of folded dipoles comprising a first and second dipole at substantially the same horizontal level and spaced apart from each other whereby one may act as a reflector for the other, and means for isolating said second dipole from the first dipole at the resonant frequency of the first dipole comprising an additional loose loop of transmission line joining said second folded dipole to the transmission line and the first folded dipole.

2,474,481
FISH LURE
Emil Kleppen and Ingwald B. Hansen, Minneapolis, Minn.
Application May 1, 1946, Serial No. 666,328
1 Claim. (Cl. 43—35)



An artificial bait comprising a hollow body having the shape of a fish and consisting of a main section and a removable side section, the side section being shorter than the main section and having its rear end spaced forwardly from the rear end of the main section and formed with a beveled rear end face extending its full width and fitting under a forwardly extending tongue formed integral with and extending the full width of the rear portion of the main section, said body defining an integral chamber having side walls and upper and lower edge walls and having an opening at its front end and upper and lower longitudinally extending slots adjacent the rear end of the removable side section and formed by registering recesses in meeting edge faces of the said sections, a screw passing thru an opening in the main section and screwed into a socket in the removable section to hold the said sections together, hooks extending longitudinally in the chamber of the body and having heads at front ends of their shanks formed with openings thru which said screw passes to pivotally mount the hooks for swinging movement about the screw from a retracted position within the chamber to an extended position in which their bills project outwardly thru the upper and lower slots, arms extending laterally from and rigid with the outer side edges of said heads, a U-shaped yoke of resilient wire in the forward portion of the chamber having an eye at its front end and outwardly bowed arms extending rearwardly therefrom and terminating in eyes loosely engaged thru eyes at ends of the arms of said hooks, and a rod extending thru the opening at the front end of said body and having an eye at its rear end loosely engaged with the eye of said yoke and its front end adapted for connection with a fishing line, forward pull upon said rod serving to draw the yoke forwardly and exert pull upon the arms of the hooks to swing the hooks about the screw to an extended position, and resiliency of the yoke serving to return the hooks and the rod to a normal position when pull upon the rod is released.

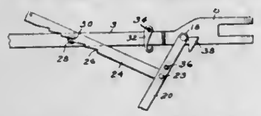
2,474,482
TESTING INSTRUMENT FOR MACHINED PARTS
John B. Lovick, Glendale, Calif., assignor to Allied Appliance Co., Los Angeles, Calif., a copartnership comprising William P. Todd and Milton C. Miller, Jr.
Application March 28, 1944, Serial No. 528,457
3 Claims. (Cl. 177—311)



1. A testing device to receive a work piece to be inspected and upon which linear dimensions are to be measured, which comprises a base structure, a fixed bearing standard carried thereby, a movable bearing standard carried thereby, means whereby the movable standard may be set adjustably with relation to the fixed standard, a spindle mounted upon the fixed standard and held against longitudinal movement, a spindle mounted upon the movable standard and adapted to be longitudinally movable, a pair of chucks, one carried by the fixed spindle and one carried by the movable spindle and between which the article to be tested is held, switch actuating means associated with the movable spindle, a two-way switch operated by said switch actuating means, one of said switch elements being closed in the event the length of the portion of the article to be

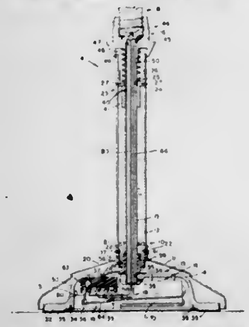
tested and occurring between the chucks is greater than a predetermined distance and the other acting when the article to be tested is less than a predetermined distance, and means associated separately with said switches to indicate the operation of the same.

2,474,483
TRAILER DRAWBAR SUPPORT
James E. Luttrell, Burgess Store, Va.
Application November 21, 1946, Serial No. 711,374
2 Claims. (Cl. 280—33.4)



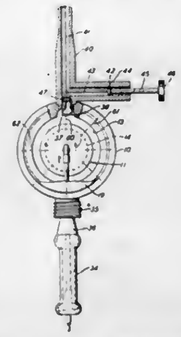
1. In combination with the draw bar of a trailer which draw bar comprises a pair of arms with a cross shaft provided with a sharp ratchet-engaging edge extending therebetween, a pivoted leg lowerable into ground-engaging positions to elevate the draw bar upon reverse movement of the trailer, a notched arm providing a ratchet pivoted on said leg for securing said leg in a vertical draw bar supporting position, said ratchet engaging said sharp edge in said cross shaft of said draw bar, a pivoted hook for securing said leg in inoperative position, said hook being secured to said draw bar, and a lug on said pivoted leg adapted to be seated in said hook when said leg is in inoperative position.

2,474,484
ELECTRIC LIGHTING FIXTURE
Vincent J. Marchese, Brooklyn, N. Y.
Application April 13, 1948, Serial No. 20,771
5 Claims. (Cl. 240—123)



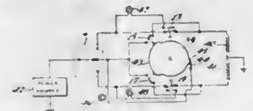
1. In an electric lighting fixture, a support structure including a standard, a housing structure, including a tubular portion spaced from and extending about said standard, means for supporting said housing structure by said support structure so that said tubular portion may be oscillated with respect to said standard structure, including a ring-shaped element fixedly secured to the inner face of said tubular portion, intermediate the ends of said tubular portion and normally spaced from said standard, and a second ring-shaped element fixedly secured to the outer periphery of said standard, the outer periphery of said second element being less in circumference than the interior circumference of said tubular portion and greater in circumference than the circumference of the outer periphery of said first element, said first element being disposed upon said second element, coupling means to attach an electric lamp to the upper end of said standard, including a socket structure having a body portion provided with a lower face and a downwardly opening skirt portion extending from said face, with the upper end of said tubular portion disposed within said skirt portion and normally spaced therefrom and from said face, resilient means within said skirt portion and upper end of said tubular portion normally urging said upper end away from said face, a pair of electric terminals carried by said coupling means, an electric contact secured to the inner face of said tubular portion below said first element, an electric contact secured to the outer face of said standard, normally spaced from said first contact and disposed within the path of travel of said first contact upon oscillation of said tubular portion, an off-and-on electric switch, electric means for actuating said switch upon abutment of said contacts, an electric lead from one of said contacts to one of said terminals, an electric lead from the other of said terminals to one of the terminals of said switch, a lead from the other of said contacts to the other terminal of said off-and-on electric switch, and means placing said electric means in circuit with said fixed contact and one of said terminals of said off-and-on switch.

2,474,485
MAGNETRON OSCILLATOR
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 14, 1944, Serial No. 554,111
6 Claims. (Cl. 315—39)



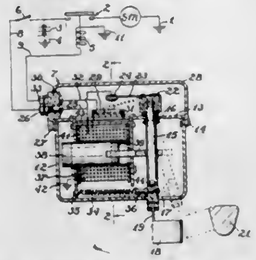
6. A magnetron for generating harmonic oscillations comprising a pair of opposed substantially smooth coaxial cylindrical conductors forming a substantially uniform continuous transmission line resonator in the space between said conductors, one of said conductors constituting a cathode and the other of said conductors constituting an anode, means for maintaining a steady magnetic field with lines of magnetic force parallel to the axis of said coaxial conductors, a side branch transmission line opening out from said resonator and forming a sole principal node-determining irregularity in the symmetry of the said resonator, and means in said side branch transmission line for adjusting the length of said side branch transmission line to tune said resonator to produce oscillations in said magnetron at a harmonic resonant frequency of said resonator.

2,474,486
CONTROL MECHANISM FOR POSITIONING A MAST IN ALTERNATE PREDETERMINED POSITIONS
Alan C. Middleton, Point Pleasant, N. J.
Application December 5, 1945, Serial No. 632,888
7 Claims. (Cl. 318—2)



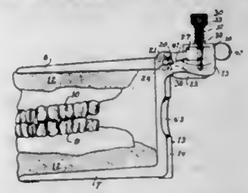
6. A control device for selectively positioning a mast in alternate, predetermined positions, comprising a shaft assembly including means for mounting the mast to be positioned, mechanical speed reducing means connecting the motor to the mast through the shaft assembly, means for remotely controlling the motor to position selectively the mast in any one of several predetermined positions, means for causing the motor to confine the travel of the mast to the angle subtended by the outermost of the predetermined positions and for de-energizing the motor responsively to the mast reaching the said predetermined position, the shaft assembly including a mast-carrying shaft, and manually releasable coupling means normally coupling the mast-carrying shaft to the motor for actuation of the shaft by the motor, while enabling manual disconnection of the shaft from the motor for manual operation of the shaft and mast.

2,474,487
BACKFIRE CIRCUIT BREAKER
Donald L. Miller, Pine City, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware
Application June 10, 1947, Serial No. 753,725
7 Claims. (Cl. 200—52)



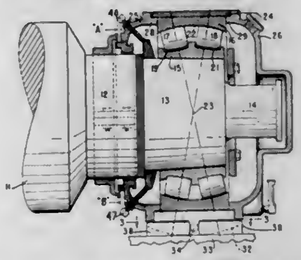
1. In an automatic circuit controller, a lever, means supporting the lever with provision for rotation about its longitudinal axis and swinging movement about an axis perpendicular thereto, a laterally extending control arm at one end of the lever having means for frictionally engaging a movable part, a laterally extending support on the lever carrying an electrical contact; an electrical circuit including a fixed contact adapted to cooperate with the movable contact, means normally holding the lever with its arm disengaged and the contacts open; and means for swinging the lever so as to engage the control arm with the movable part and close the contacts, said fixed contact being so located that pivotal movement of the lever around its longitudinal axis caused by engagement of the control arm with the movable part when it is moving reversely to its normal direction, prevents the movable contact from engaging the fixed contact.

2,474,488
DENTAL ARTICULATOR
Wayne W. Moore, Chicago, Ill.
Application July 1, 1946, Serial No. 680,701
9 Claims. (Cl. 32—32)



8. Means for yieldingly maintaining upper and lower denture supporting members of a dental articulator in pivotal relation about pivot means provided therebetween comprising, a pair of jaw members individually pivotally mounted intermediate their ends on spaced pivot pins supported by said lower member, said jaw members having portions at one of the ends thereof for engaging said upper member and finger grip portions at their other ends for individually or simultaneously retracting said jaw members from engagement with said upper member, and a coil spring supported by said lower member between said jaws with the opposite ends of the coil spring in engagement with said jaw members and normally biasing the latter to engage the said one ends thereof into engagement with said upper member.

2,474,489
ROCKER MOUNTING FOR ROTARY BEARINGS
Robert W. Mortensen, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application February 7, 1946, Serial No. 645,994
4 Claims. (Cl. 308—207)



1. A mounting for a rotary shaft which has a portion subject to axial displacement incident to its use, comprising a bearing for said shaft portion comprising an inner race, an outer race and anti-friction members therebetween, said outer race having a spherical bearing face struck

from a center coincident with the center of said shaft portion, the bearing members having spherical faces conforming with the spherical bearing face of the outer race, a housing supporting the outer race, a base support for the

polarity of the signal element applied at a given instant to said line input terminal, whereby the direction of application of pulses from said pulse former to the two windings in series of said output relay is determined by the polarity of

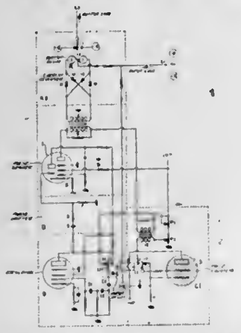
gagement with said blade, means for moving said support in one direction generally longitudinally of said cutting edge from the point at which said pit is adapted to engage said edge but slightly convergently relative to said edge whereby progressively increased frictional resistance between

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2,474,494
TIME SWITCH
Edward V. Platt, Manitowoc, Wis., assignor to Paragon Electric Company, Two Rivers, Wis., a corporation of Wisconsin
Application October 6, 1947, Serial No. 778,071
3 Claims. (Cl. 200—39)

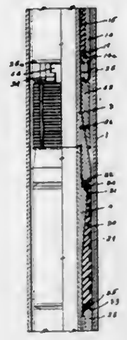
from a center coincident with the center of said shaft portion, the bearing members having spherical faces conforming with the spherical bearing face of the outer race, a housing supporting the outer race, a base support for the housing having a supporting surface, the housing having an undersurface on an arc struck from said center, said undersurface resting on said supporting surface, the housing having rocking motion on said base support in response to said axial displacement of said shaft portion, a guide pin on each side of said bearing housing adjacent to its arcuate undersurface and guide surfaces fixed to the base support on opposite sides of each guide pin to confine the lower end of the bearing housing against movement in said axial direction during rocking motion of the bearing housing.

2,474,490
START-STOP REGENERATIVE REPEATER
Pierre Pellé, Arcueil, France
Application May 9, 1945, Serial No. 592,770
In France February 10, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 10, 1964
10 Claims. (Cl. 178—70)



8. In a telegraph repeater regenerating system transmitting signal trains of signal elements of both polarities of uniform duration determined by a definite keying frequency including initial starting and final stop elements, an input relay having a principal winding and an opposing bias winding, an output polarized relay having two windings connected in series and having two controlled contacts, connected respectively for applying voltages of opposite polarity to its armature, a line input terminal connected to the common terminal of said windings of said output relay and also connected to said principal winding of said input relay, a blocking oscillator tube of said keying frequency and having its blocking circuit connected to a controlled contact of said input relay for becoming unblocked upon receipt of a start pulse by said input relay, a phase shifter connected to the output of said oscillator tube, a narrow pulse former connected to the output of said phase shifter and adapted to form a narrow pulse on the positive peaks of the output of said phase shifter, a rectifier bridge having two terminals connected to the output of said pulse former and having its other two terminals connected to the outer terminals of the windings of said output relay, said rectifier bridge having only one of its pairs of arms conductive at a given time as determined by the polarity of the signal element applied at a given instant to said line input terminal, whereby the direction of application of pulses from said pulse former to the two windings in series of said output relay is determined by the polarity of the instantaneous signal element applied to the input terminal, and regenerated undistorted signals are delivered to the armature of said output relay.

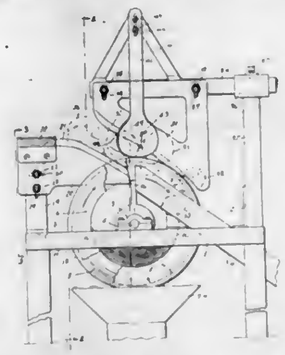
2,474,491
PACKER FOR WELLS
Arthur J. Penick, Houston, Tex., assignor to Oil Center Tool Company, Houston, Tex., a corporation of Texas
Application October 20, 1944, Serial No. 559,530
5 Claims. (Cl. 166—12)



1. In a packer assembly adapted to be lowered into a casing in a well, two tubular telescoping parts movable axially relative to each other and forming a packer support, a resilient, expansible, sleeve-like packer around one of said parts, annular substantially transverse, shoulders on the respective parts spaced from the corresponding ends of the packer, a dished ring of pliant, malleable material around said support between each shoulder and the adjacent end of the packer, the upper and lower surfaces of each ring converging outwardly with respect to the corresponding surfaces of the other ring thus providing annular, outwardly flared, spaces between said rings and the adjacent shoulders, said shoulders being movable toward each other to apply endwise compressive force to the packer to expand the packer, said rings being tiltable about their inner margins, in response to said force, and deformable to bridge the space between the packer support and casing.

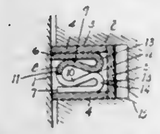
2,474,492
APPARATUS FOR HALVING AND PITTING APRICOTS
Joseph Perrelli and John Perrelli, Richmond, Calif., assignors to Perrelli Freestone Machine, Inc., Richmond, Calif.
Application September 25, 1944, Serial No. 555,632
5 Claims. (Cl. 146—17)

1. A pitter for apricots and the like comprising a cutting blade having a cutting edge for cutting through one side of a whole apricot to a point on the suture of its pit, a support spaced from said blade engageable with the outer surface of such apricot at the side of the body opposite said point for holding the said point in engagement with said blade, means for moving said support in one direction generally longitudinally of said cutting edge from the point at which said pit is adapted to engage said edge but slightly convergently relative to said edge whereby progressively increased frictional resistance between said edge and said pit will effect rotation of said



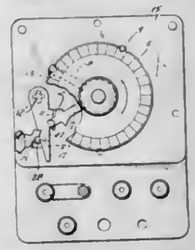
apricot on said support and bisecting of the body of said apricot together with freeing the pit from said body said blade being free at its opposite sides in the planes of the latter for movement of the fruit halves thereover in said planes in direction away from said edge during engagement of said halves by said support.

2,474,493
PISTON RING ASSEMBLY AND SPACER THEREFOR
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Application April 2, 1945, Serial No. 586,152
6 Claims. (Cl. 309—44)



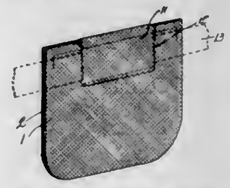
1. An annular split spacer for a pair of thin cylinder wall engaging segments comprising upper and lower radially extending flanges, the upper flange constituting a cylinder wall engaging element, and a connecting web therefor, said web being conformed into a radially disposed loop of substantial radial width, the bight of the loop being curved, the sides of the loop adjacent its outer end being in supporting engagement with said flanges, the loop being closed at its inner end and joined to the inner edges of the flanges by reverse curves whereby the associated cylinder wall engaging elements are supported in spaced relation substantially throughout the width thereof, the lower flange and the lower side of the loop having spaced slots therein providing drain openings, the lower flange and the lower side of the loop extending circumferentially of the spacer intermediate said slots and terminating at the edges of said slots.

2,474,494
TIME SWITCH
Edward V. Platt, Manitowoc, Wis., assignor to Paragon Electric Company, Two Rivers, Wis., a corporation of Wisconsin
Application October 6, 1947, Serial No. 778,071
3 Claims. (Cl. 200—39)



1. A time switch comprising motor driven timing means including a first tripper and a second tripper, a switch operating arm arranged to be moved in a first and a second direction by said first and second trippers, respectively, a sliding and rocking cradle, spring means between said cradle and said arm for storing up energy when said arm is rocked, latching means including a barrier and a lug carried by said cradle for latching said cradle, means operated by said arm for unlatching said cradle from said barrier by sliding said cradle, a first and a second switch operated by said cradle and arranged to alternately close and open when said arm is moved to said first and second positions, respectively, to correspondingly rock said cradle, a first stop located on one side of said barrier and spaced therefrom and a second stop located on the other side of said barrier and spaced therefrom a greater distance than said first stop, biasing means biasing said cradle towards said first stop for said first position of said arm, said second tripper being arranged to temporarily hold said arm against said second stop for said second position of said arm and arranged to subsequently release said arm for motion due to said biasing means, said barrier being effective to stop said cradle in a neutral position with both said switches open.

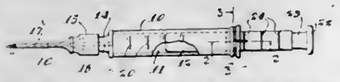
2,474,495
BELT PURSE
Harry Pollak, San Francisco, Calif.
Application May 1, 1946, Serial No. 666,354
2 Claims. (Cl. 224—26)



2. In a belt purse of the character described, a back piece, a front piece secured at its edges over the back piece to form a bag therebetween, the upper edge of said front piece being free to form an opening for said bag, and a strip of material secured over the top edge of said back piece and extending downwardly over the outer face of said back piece and being secured thereto

at its lower end to form a loop upon the outer face of said back piece adapted to be drawn over a belt or the like, and a separator piece secured at its side and lower edges to the seams of said back piece and front piece and being free at the top to divide compartments between said back piece and front piece.

2,474,496
SYRINGE
Lawrence Rayman, Toledo, Ohio
Application June 26, 1947, Serial No. 757,253
1 Claim. (Cl. 128—218)



A hypodermic syringe comprising a barrel portion and a plunger, said plunger having a plurality of graduations formed thereon extending circumferentially thereabout, said graduations being in the form of depressions formed on the plunger, said depressions being coextensive in length and in stacked alinement, said barrel portion having a resilient cantilever type clip with converging clip elements forming a bight portion mounted externally thereon, the bight portion of said clip engaging the periphery of the plunger which extends outside of said barrel portion, and adapted to cooperate with said depressions in the plunger when the plunger is moved inwardly or outwardly in a straight line movement for resiliently restraining at the depressed portions the longitudinal displacement of the plunger, thereby facilitating measurement of units of fluid drawn into or ejected from said barrel.

2,474,497
PRODUCTION OF CUPROUS HYDROXIDE AND CUPROUS OXIDE
Percy J. Rowe, Hubbell, Mich., assignor to Lake

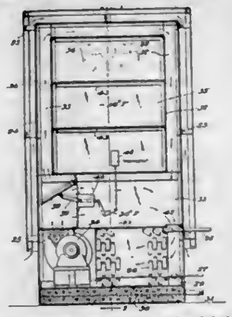
NH_3 and from 20 grams per liter to saturation of copper, said copper being present in cuprous form in a major amount but also comprising a substantial amount thereof in cupric form, the caustic alkali being present in such concentration and such amounts that cuprous copper is precipitated as cuprous hydroxide and substantially all of the cupric copper remains in solution, and separating the precipitate of cuprous hydroxide from the reaction mixture.

2,474,498
FISHING FLOAT
Harold C. Schwabe, Shawano, Wis.
Application November 18, 1947, Serial No. 786,611
3 Claims. (Cl. 43—49)



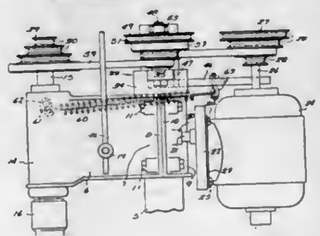
3. A fishing float comprising a float body of generally ovate formation having an annular slot surrounding the same and a vertical slot extending along the major vertical axis of the float body and outwardly through the side surface of the float body and lengthwise thereof for receiving a fishing line inserted laterally therein, a key having the same general contour as said vertical slot and adapted to be received within the slot to engage the fishing line, and having an outer slot coinciding with said annular slot in the float body, said key having an inner slightly concave edge providing upper and lower edges for engaging the fishing line to insure a tight grip on the line, and

ber, and means for circulating air through said relatively thin chamber from said high tempera-

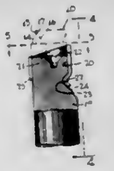


ture chamber for refrigerating the high temperature chamber.

2,474,500
HIGH-LOW SPEED ATTACHMENT FOR DRILL PRESSES
Frederick Kenneth Stein, Rockford, Ill.
Application January 7, 1948, Serial No. 1,023
5 Claims. (Cl. 74—242.11)



resiliently engages an adjacent complemental portion of the anvil to urge said sleeve normally into a position in which its free end may serve to locate the work on the anvil, whereby said



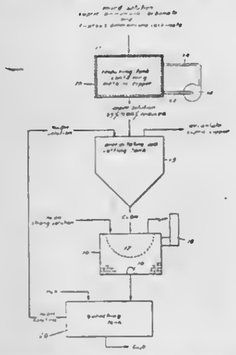
sleeve may recede against said resilient holding action in response to a hammer blow against said sleeve, but will thereafter be restored by said resilient engagement to its aforesaid work-positioning location.

2,474,502
METALLIZATION OF ELECTRICALLY NON-CONDUCTIVE FABRICS, FIBROUS MATERIALS, AND POROUS MATERIALS
Charles T. Suchy, London, England
No Drawing. Application March 5, 1945, Serial No. 581,169. In Great Britain February 29, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 29, 1964
4 Claims. (Cl. 204—20)

1. Process for the metallization of electrically non-conductive fabrics, electrically non-conductive fibrous materials, and electrically non-conductive porous materials, which process comprises rendering the internal structure of the material electrically conductive by immersing the material in a colloidal silver solution to which is added a reducing solution to deposit metallic silver within the internal structure of the material being treated; thoroughly drying the material, and then brushing the surface thereof to rid the same of any metallic silver deposited thereon and restore

barrel.

2,474,497
PRODUCTION OF CUPROUS HYDROXIDE AND CUPROUS OXIDE
Percy J. Rowe, Hubbell, Mich., assignor to Lake Chemical Company, Calumet, Mich., a corporation of Michigan
Application February 16, 1946, Serial No. 648,153
2 Claims. (Cl. 23—147)

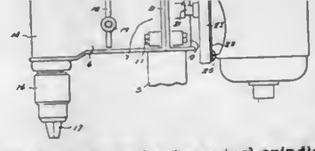


1. A process comprising the steps of mixing with a caustic alkali of the class consisting of sodium and potassium hydroxides an aqueous, ammoniacal copper carbonate solution, said solution containing per liter on an analytical basis from 30 to 70 grams CO_2, from 35 to 75 grams of

ing the same general contour as said vertical slot and adapted to be received within the slot to engage the fishing line, and having an outer slot coinciding with said annular slot in the float body, said key having an inner slightly concave edge providing upper and lower edges for engaging the fishing line to insure a tight grip on the line, and a slotted ring of spring material positioned in said annular slot and adapted to be rotated therein to apply spring pressure on said key and fishing line engaged thereby, said ring having a curved peripheral surface bulging outwardly from the surface of the float body to provide a gripping surface to facilitate turning the ring in said annular slot.

2,474,499
MULTIPLE TEMPERATURE REFRIGERATING UNIT HAVING AIR CIRCULATING MEANS
Charles L. Spoonhour, Waynesboro, Pa., assignor to Frick Company, Waynesboro, Pa., a corporation of Pennsylvania
Application May 24, 1945, Serial No. 595,588
12 Claims. (Cl. 62—102)

1. In a refrigeration system a cooling unit, walls defining a quick-freezing chamber, walls defining a low temperature chamber, means for circulating refrigerated air through said quick-freezing chamber, and in contact with the walls defining the low temperature chamber for refrigerating said chambers, wall structure confining the air circulated in contact with the wall of said low temperature chamber in a manner such that said confining wall structure is refrigerated, additional wall structure defining with said confining wall structure a relatively thin chamber about said confining wall structure, and means providing a high temperature refrigerating chamber exteriorly of said relatively thin cham-

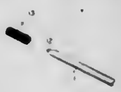


1. In a drill press having a tool spindle and a drive motor supported by a vertical column, an arm supported by said column, stepped cone pulleys mounted on each end of said arm with the stepped grooves thereof arranged in reverse relation, a transmission belt interchangeably positioned around said pulleys, an interchangeable transmission belt drivingly connecting the motor to one of said pulleys and an interchangeable transmission belt drivingly connecting the other of said pulleys with the tool spindle.

2,474,501
CLINCH NUT ANVIL WITH NUT-POSITIONING SLEEVE
William Stever, Philadelphia, Pa., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 28, 1946, Serial No. 693,481
3 Claims. (Cl. 218—1)

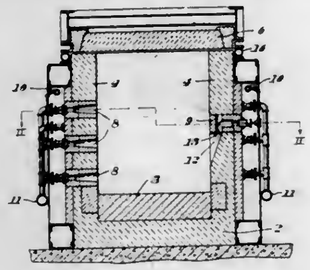
3. In a riveting machine for heading over an article having a base portion adapted to rest upon an anvil, and an upper portion designed to be headed over toward said base portion, the combination comprising an anvil and a work-positioning sleeve slidably embracing the anvil and projecting beyond the work-supporting face thereof, said sleeve including a portion which

2,474,503
SEAL FOR FILLER TUBES
William C. Weis, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application April 25, 1947, Serial No. 743,771
2 Claims. (Cl. 220—67)



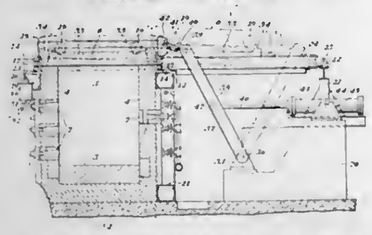
1. A seal for the end of a ductile metal tube or like comprising, a cold weld sealing an end of said tube, a porous metal sleeve enclosing said weld, and solder or the like adhering to the entire sealed end of said tube as well as to the entire surface of said sleeve substantially filling the same.

2,474,504
HEATING INGOTS
Carl H. West, St. Clairsville, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application October 20, 1944, Serial No. 559,500
1 Claim. (Cl. 263—43)



In a soaking pit furnace for heating ferrous ingots, in combination, a rectangular heating chamber having substantially vertical opposed walls, a plurality of burners positioned in a substantially regular pattern over a major portion of the surface of each of one pair of said opposed walls and adapted to constitute substantially the sole heating source for said furnace and to be in close proximity to said ingots, a majority of said burners on each of said pair of opposed walls being directed inwardly into said heating chamber in a direction normal to said opposed walls and adapted to project unburned combustible material about and among said ingots for combustion in said heating chamber, the remainder of said burners on each of said pair of opposed walls being directed downwardly and inwardly into said heating chamber in alternate relation to the burners in said majority of said burners, said burners on said pair of opposed walls being arranged in successive spaced vertical planes substantially normal to said opposed walls, whereby ingots placed in said furnace in conventional manner are heated to uniform temperature in intimate contact with the flames from said combustion of said combustible material.

2,474,505
FURNACE COVER OPERATING MECHANISM
Carl H. West, St. Clairsville, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application December 1, 1944, Serial No. 566,155
3 Claims. (Cl. 268—10)



1. A furnace cover operating mechanism for a furnace chamber or the like having an opening adapted to be closed by a furnace cover acting under the force of gravity, comprising in combination, a furnace cover adapted to close said opening when in operative position, said cover being further adapted to be substantially entirely removed from said opening by translatory movement only substantially in the plane of the closure effected by said cover, generally parallel rigid tracks extending on opposite sides respectively of said opening and adapted to support said cover during said translatory movement thereof, said tracks extending beyond said opening in the direction of said removal of said cover a distance at least equal to the length of said cover in said direction of movement, spaced supporting members on one side of said cover adjacent at least one of said tracks, at least one supporting member on the opposite side of said cover adjacent at least another of said tracks, said supporting members adapted to be supported on said tracks for substantially rolling engagement therewith during said translatory movement of said cover, means for simultaneously moving said tracks at at least one end thereof when said cover is in operative position in a direction away from the bottom of said opening toward said opening to cause said tracks to engage said supporting members and lift said cover out of said operative position, said means being further adapted to be moved in a direction toward the bottom of said opening to allow said cover to move into operative position and to disengage said tracks from said supporting members, a swingable member pivotally connected to said cover and adapted to move said cover when said tracks have lifted it out of operative position, means for swinging said swingable member, said means being substantially entirely positioned in the direction of the side of the exposed face of said cover when in operative position, whereby said cover in operative position remains unaffected by any warpage in said tracks and upon removal of said cover said cover does not extend substantially beyond the plane it occupied when in operative position.

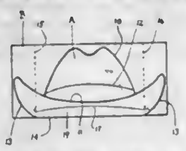
2,474,506
METHOD OF MAKING PHOSPHOR MATERIALS
Elton J. Wood, Hopewell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application January 4, 1946, Serial No. 639,155
4 Claims. (Cl. 252—301.6)

1. The method of preparing a phosphor adapted for rapid quenching by infra red wave energy which consists in heating to temperatures of 1000° C. to 1400° C. for five to thirty hours in air, a mixture of zinc sulphide, a member in activator proportions selected from the group consisting of copper and silver and mixtures thereof and a flux of 5% to 25% of a halide of an alkali metal and excluding the iodide and ammonium, said percentages being based on the weight of the zinc sulphide.

2,474,507
PLAY HAT
Paul Wolfe, St. Paul, Minn., assignor of one-half to Robert V. Mealey, St. Paul, Minn.
Application July 14, 1944, Serial No. 544,841
2 Claims. (Cl. 2—175)

1. A play hat comprising a flat sheet of flexible material cut to the outline configuration of a hat, a transverse slot terminating at points spaced from the lateral edges of said sheet, said slot dividing said sheet into a hat body and a

band terminally connected to said hat body, and parallel aligned score lines in both the hat body



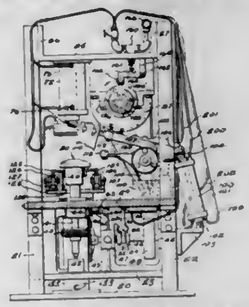
and band portions of said sheet on both sides of the slot at the ends of said slot.

2,474,508
SUCTION-OPERATED CHUCK
John M. Wyer, Perton, Pattingham, near Wolverhampton, England
Application September 30, 1946, Serial No. 700,221
In Great Britain October 3, 1945
4 Claims. (Cl. 279—3)

3. A rotatable chuck by which articles are held in engagement therewith by suction comprising a casing in which suction is applied, a base of said casing, a cylindrical side wall extending forwardly from said base, said side wall being open at its forward end, a centrally extending arbor rigid with said base, an annular space between said arbor and said wall, a suction passage in communication with said annular space, an annular filter in said space, an annular part surrounding the forward end of said arbor and being slidable thereon, elastic pressure means against the force of which said annular part can yield back, friction means at the forward face of said annular part with which the base of an article to be operated upon can be drivingly engaged, and driving means between said arbor and said annular part, a groove formed across the front face of said arbor, a bar located in said groove and having its ends projecting radially from the periphery of said arbor and recesses in said annular part in which the ends of said bar engage.

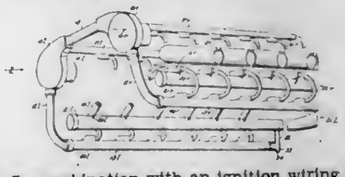
2,474,509
JIGGERING MACHINE FOR FORMING ARTICLES OF PLASTIC CLAY
Harold F. Allen, De Witt, N. Y., assignor to Stewart F. Hancock, Syracuse, N. Y., as trustee
Application May 29, 1944, Serial No. 537,814
9 Claims. (Cl. 25—24)

1. A machine for forming articles of plastic material comprising a suitable frame, a spindle journalled in the frame and adapted to support a mould with plastic material thereon, a forming tool mounted on the frame in juxtaposition to said spindle and being movable from an initial position above a mould mounted on the spindle toward and from the mould and into engagement with the plastic material thereon to form the same, a power drive operable when connected to said spindle to effect rotation thereof, a clutch means for connecting and disconnecting said power drive, a fluid operated motor connected to said tool, valve means for connecting said motor to a fluid supply, valve operating means operable through a cycle to effect movement of said valve means in a predetermined timed sequence to cause said motor to move said forming tool from its initial position toward the mould, and into engagement with the material thereon and, upon completion of the forming operation, to return said tool to its initial position, a clutch



actuating means operable by said valve operating means to effect engagement of said spindle clutch means during the forming operation, and manually controlled regulating means for varying the movement of the forming tool by the motor, and for varying the engagement of said clutch means during said cycle.

2,474,510
IGNITION SYSTEM
James L. Arthur, Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 13, 1944, Serial No. 563,285
2 Claims. (Cl. 123—148)



1. In combination with an ignition wiring system for a V-type internal combustion engine of a vehicle; a pair of ignition distributors; a housing for enclosing each distributor; a spark plug against each inlet valve of the engine; a spark plug adjacent each exhaust valve of the engine; a cross manifold connected to both housings and first and second cable manifolds extending respectively from the housings for enclosing cables leading from one of the distributors to spark plugs adjacent the inlet valves; third and fourth cable manifolds connected respectively with the housings for enclosing cables leading from the other distributor to spark plugs adjacent the exhaust valves; two fresh air manifolds adjacent the exhaust valves for receiving fresh air when the vehicle moves and having passages for directing air upon the spark plugs adjacent the exhaust valves to cool the same; tubes each for transferring some of the air from a fresh air manifold respectively to the third and fourth cable manifolds and passages provided by the first and second cable manifolds to allow air to escape after it has circulated through the third and fourth manifolds, the housings and the first and second manifolds.

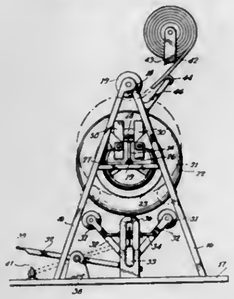
2,474,511
DEVICE FOR APPLYING NEW TREAD MATERIAL TO TIRES

2,474,513
BRACKET ATTACHMENT FOR MOTOR VEHICLE WINDOWS

casing and their straight rear ends crossed and pivotally connected, two flat rectangular heads rigidly joined at their centers to the free ex-

form a ledge, a ring shaped notcher mounted upon said standard and supported by said ledge, said notcher and said plug including means cooperating to hold the notcher in fixed relation

2,474,511
DEVICE FOR APPLYING NEW TREAD MATERIAL TO TIRES
Thomas P. Bacon, Jr., Oakland, Calif.
Original application December 7, 1942, Serial No. 468,320, now Patent No. 2,422,652, dated June 24, 1947. Divided and this application May 29, 1945, Serial No. 596,527
5 Claims. (Cl. 154—9)



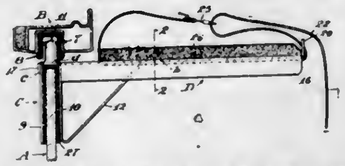
1. In an apparatus for placing a strip of tread material around the traction periphery of a tire, a frame having a space therein for said tire in inflated condition, a roller element on the frame disposed transversely outside of the tire periphery, pressing means to exert force to the outside of the tire opposite from said roller element so as to lift said tire toward said roller and press said tire against said strip of tread material under said roller with sufficient force to flatten the portion of the traction surface of the tire at said roller to about the same width as the width of said strip of tread material, and side guides on the frame at the opposite sides of said tire slidably holding said tire at a constant angle to said roller.

2,474,512
PULSATION ELIMINATION IN FLUID STREAMS
Ira C. Bechtold, Whittier, Foster M. Stephens, Los Angeles, and Charles Newman, Hollywood, Calif., assignors to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application November 27, 1945, Serial No. 631,192
4 Claims. (Cl. 138—30)



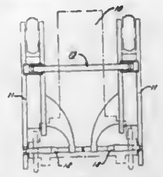
1. Apparatus for eliminating pressure pulsations in a liquid stream having a continuous pulsating flow through a line, comprising a pair of vessels separately connected to said line at spaced locations therealong, a flexible bladder-like diaphragm within each of said vessels and displaceable by internal pressure against the wall thereof, means for maintaining gas under pressure at one side of said diaphragms so that the gas is compressed and expanded in response respectively to increases and decreases of the liquid pressure applied to the opposite sides of the diaphragms, and a tube forming an elongated restriction in said line coacting with the fluid displacement in said vessels to shift the phases of the pulsations at said locations.

2,474,513
BRACKET ATTACHMENT FOR MOTOR VEHICLE WINDOWS
Paul H. Behrens, Alhambra, Calif.
Application January 17, 1948, Serial No. 2,903
4 Claims. (Cl. 224—42.45)



1. A bracket attachment for motor vehicle windows of the type embodying a vertically slidable glass pane and an upper frame member having a channel, and which attachment includes a yoke for positioning astride the upper marginal portion of the glass pane, and an upstanding ridge embodied in said yoke adapted to project into the channel of the upper rail of the window frame; a bracket element carried by said yoke projecting laterally therefrom, a tongue on said bracket element extending through said yoke at the base of said ridge arranged to extend over the upper edge of the pane, said tongue being fastened to said yoke, a U-shaped cushion internally of said yoke abutting said tongue, and a diagonal brace member formed on said yoke rigidly connected with said bracket element intermediate the ends thereof.

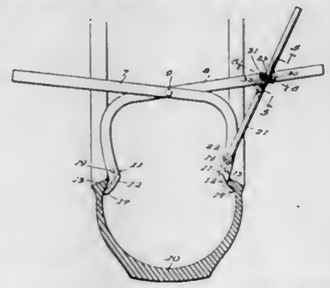
2,474,514
VEHICLE SUSPENSION
George E. Burks, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application July 16, 1945, Serial No. 605,323
3 Claims. (Cl. 280—112)



1. In a track type tractor having a main frame and truck frames disposed at opposite sides thereof, a suspension structure comprising a rigid equalizer bar underlying the main frame and supported at its opposite ends on the truck frames, said equalizer bar having a bottom plate and vertically disposed spaced side plates, and a resilient support for the main frame comprising a T shaped seat member having a portion extending downwardly into the equalizer bar, and resilient means interposed between said portion and the side plates of the bar.

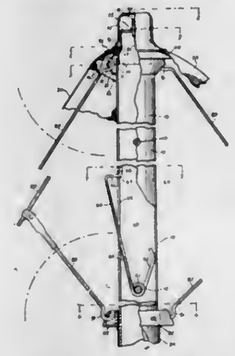
2,474,515
TIRE TOOL
William Jared Cox, Woodruff, Utah
Application November 26, 1946, Serial No. 712,321
3 Claims. (Cl. 254—50.1)

1. A tire casing spreader comprising two J-shaped levers having their curved inner ends in opposed relation to straddle the exterior of a tire casing and their straight rear ends crossed and pivotally connected, two flat rectangular heads rigidly joined at their centers to the free extremities of the curved inner ends of said levers respectively, said flat heads being disposed in planes substantially radial with respect to the pivotal connection of said levers, spaced outwardly curved claws rigidly joined to the outer longitudinal edges of each of said heads, a pair of laterally projecting studs on the curved inner ends of each of said levers adjacent the outer



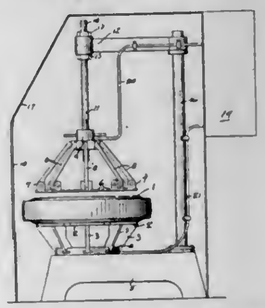
sides of said heads, two detachable casing-bead hooks for said levers respectively, each of said hooks comprising a flat metal plate bent to form two shank portions and of a width to enter the space between the claws on said heads, one shank portion carrying the hook to engage the inner side of a casing bead and the other shank portion to lie against the outer side of one of said heads, said other shank portion being notched to straddle one of said levers and having curved hooks to engage a pair of said studs, and means for securing said levers in an adjusted position.

2,474,516
TRACTOR UMBRELLA
Walter Daniel, Troy, Ohio, assignor to The Troy Sunshade Company, Troy, Ohio, a corporation of Ohio
Application February 26, 1945, Serial No. 579,770
8 Claims. (Cl. 135—20)



1. An umbrella comprising a hollow standard, a plug mounted within the upper end of said standard and leaving said upper end exposed to form a ledge, a ring shaped notcher mounted upon said standard and supported by said ledge, said notcher and said plug including means cooperating to hold the notcher in fixed relation thereto, a dished notcher plate mounted above the notcher and cooperating with said holding means to prevent displacement thereof, a cover having a central hole through which the standard projects, and a removable cap to clamp the cover against the notcher plate.

2,474,517
APPARATUS FOR HEATING TIRES
John L. Daum, Oakland, and Robert A. McCloud and Thomas P. Bacon, San Leandro, Calif.
Application April 17, 1946, Serial No. 662,696
1 Claim. (Cl. 18—18)

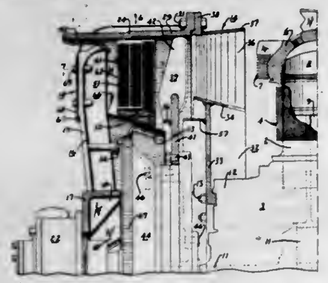


In an apparatus for electronically heating a tire carcass, a pair of capacitor plates connected to a high frequency electronic circuit, said plates being adapted to overlap the respective sides of the carcass of a tire therebetween, each of said plates being made of a plurality of segments circumferentially spaced and forming a substantially ring-like area opposite the adjacent sides of said carcass, a frame to support the sections of one of said plates, connecting elements extended from each of said sections to said frame and adjustably connected to the same for radially adjusting the position of each of said sections with respect to the center of the plate, said first plate and said elements being adapted to support a tire thereon, an adjustable frame for the other plate, a supporting element on said frame, a plurality of arms extended from said supporting element radially outwardly and toward said carcass, said sections being pivotally suspended on the ends of the respective arms, and means on said frame engageable with said supporting element and said arms to raise or lower said arms for radial adjustment of said segments of said plates.

2,474,518
INTERNAL-COMBUSTION ENGINE OIL COOLING MEANS
James M. Davies, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application March 31, 1944, Serial No. 528,892
7 Claims. (Cl. 123—196)

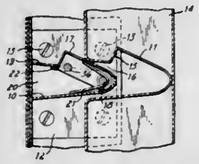
1. In a radial internal combustion engine, engine supporting means extending transversely with respect to the crankshaft axis of the engine and having spaced arms extending outwardly with reference to such axis and between which air may pass, a ring-like oil cooling radiator about

the axis, and means mounting the radiator on the supporting means including a plurality of



bracket plates secured to the radiator and to such arms.

2,474,519
LOCK FOR AUTOMOBILE DOORS
Joseph Drzewiecki, Algonac, Mich.
Application June 1, 1946, Serial No. 673,832
2 Claims. (Cl. 70—142)

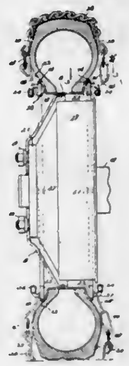


1. A lock for automobiles as described comprising a socket in the body of the automobile, and elements in the door including a latch adapted to enter the socket and having a depressible member for interlocking with parts within the socket, a lateral bolt on said depressible member, a handle on the outer side of the door, a pivoted arm extending therefrom and adapted to depress the bolt, a spring-actuated dog comprising a vertically disposed, elongated member, pivoted midway its length and having at its upper end a shoulder normally projecting under the arm extending from the handle to prevent the arm from being depressed, a key-operated cam bearing against the lower end of the dog to impart to it a partly rotary motion upon its pivot to withdraw the upper part of said dog from under the arm extending from the handle, to permit depression by means of said arm of the bolt on said depressible member of the latch within the socket to disengage the latch therefrom.

2,474,520
BRONZING MATERIALS
Cornelius S. Fleming, Los Angeles, Calif.
No Drawing. Application October 18, 1946, Serial No. 704,304
5 Claims. (Cl. 106—290)

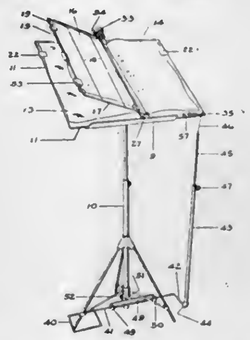
2. A bronzing composition consisting essentially of: a bronzing powder; a vehicle; a leafing agent composed essentially of a fatty acid; a neutralizing agent from the group consisting of glycerine, diethylene glycol, polyethylene glycol and propylene glycol; and a blending agent from the group consisting of diamylphenol, meta cresol and meta para cresol.

2,474,521
TIRE CHAIN AND MOUNTING DEVICE THEREFOR
John G. Fogarty, Rochester, N. Y.
Application July 27, 1945, Serial No. 607,474
6 Claims. (Cl. 152—233)



In a wheel having a rim adapted to receive a tire and provided with a surface facing toward the center of the wheel at least on one side of the rim, an element having members attached thereto adapted to receive anti-skid devices extending around the tire, said element being formed of separate parts, and means between said parts for expanding said element against said surface into holding relation therewith.

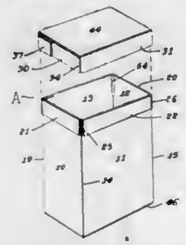
2,474,522
MUSIC SHEET TURNER
Charles Gaines, Vallejo, Calif.
Application August 26, 1946, Serial No. 693,023
1 Claim. (Cl. 84—501)



A device of the character described for supporting and turning a musical composition embodying a folded sheet and a center sheet, said device including in its construction a music stand, a back positioned at the upper portion thereof for retaining the folded sheet of music, a frame hinged to the said back at the central portion thereof for retaining the center sheet of music,

a clock spring secured to the said back and positioned above the same, said clock spring being capable of engaging the frame for turning the frame from one lateral side to the opposite lateral side of the back, a resiliently held hook shaped lever hingedly secured to the said back at the lower portion thereof for normally retaining the said frame on one lateral side of the said back, a foot pedal pivotally secured to the music stand, a crank arm leading from the foot pedal, a tubular member pivotally connected to the said crank arm and extending upwardly therefrom, a second tubular member telescopically positioned in the first mentioned tubular member, means adjustably securing the said tubular members together, and flexible means connecting the second mentioned tubular member to the said hook shaped lever, whereby the operating of the said lever for releasing and turning the frame is facilitated.

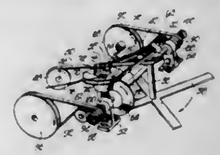
2,474,523
TRIPLE-EDGE RECLOSING CARTON
Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application June 16, 1945, Serial No. 599,797
3 Claims. (Cl. 229—43)



2. A carton blank comprising a series of side wall panels and a glue flap connected along substantially parallel score lines, the glue flap projecting from one end of the blank, a series of flange panels connected to said side wall panels along a common line of fold at substantially right angles to said parallel score lines, the end of each of said parallel score lines adjacent said common line of fold being of magnified width, a series of cover edge panels foldably connected together and connected to said flange panels along a weakened line of separation, a glue flap foldably connected to one of said cover edge panels and projecting from the end of the blank opposite that from which the first named glue flap projects, and closure flap means foldably connected along a common line of fold to said cover edge panels and foldable to form a carton closure.

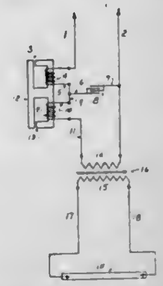
2,474,524
POWER LAWN MOWER
Paul W. Hainke, Hutchinson, Kans., assignor, by mesne assignments, to William H. Hainke
Application May 5, 1947, Serial No. 746,101
2 Claims. (Cl. 56—25.4)

1. A lawn mower of the character described comprising a platform; at least one pair of wheels supporting the platform; cutter mechanism having an upright spindle rotatably carried by the platform; a rotatable horizontal idler shaft; structure interconnecting the spindle and the shaft for driving the latter as the spindle is rotated; means operable upon rotation of said shaft for driving said wheels, said structure including a pair of bevel gears having connection with the shaft and the spindle respectively; means for yieldably holding said gears spaced apart; manu-



ally manipulable means for shifting one of said gears into engagement with the other gear; and a vertical stub shaft rotatably mounting said one gear, said shifting means and said yieldable means being operable to reciprocate said one gear longitudinally on the stub shaft.

2,474,525
CONTROL FOR VAPOR DISCHARGE TUBES AND ELECTRIC ARCS
Eugene H. Haug, Glencoe, Ill., assignor, by direct and mesne assignments, to Modern Controls, Inc., Chicago, Ill., a corporation of Delaware
Application April 3, 1944, Serial No. 529,253
5 Claims. (Cl. 323—7)

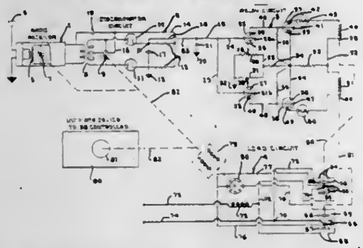


1. In combination with a constant potential to constant current control device, a constant potential alternating current supply, a double reactor having two windows, a capacitor, a current transformer, and a load circuit, said double reactor having two coils mounted one each on the core of each window, and said double reactor having an air gap in the core of each of said windows, said capacitor being connected between the two coils of said double reactor and one side of said constant potential alternating current supply, the two air gaps being of different value, said current transformer having its primary connected to the output circuit of said constant potential to constant current transformation device and its secondary connected to said load circuit, said reactor having a tap arrangement so that the constant current in the load circuit may be set to any desired value, and said current transformer having its core so constructed that upon an open circuit in said load circuit the magnetic flux density is so limited that the voltage across the secondary of said current transformer is held to a safe value.

2,474,526
PICKLING OF STAINLESS STEELS
John J. Healy, Jr., Brookline, Maurice H. Taylor, Stoneham, and Furio A. Abbiati, Longmeadow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Original application June 15, 1940, Serial No. 340,772, now Patent No. 2,408,424, dated October 1, 1946. Divided and this application August 14, 1946, Serial No. 690,600
2 Claims. (Cl. 252—142)

1. An aqueous acid reacting non-electrolytic pickling bath for stainless steels consisting essentially of water and active pickling agents consisting of a non-oxidizing mineral acid and ferric fluoride, said mineral acid being present in the bath in an amount varying between 0.7 and 25% and said fluoride being present in an amount varying between 0.5 and 20%, said bath being substantially free of nitric acid.

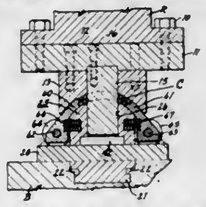
2,474,527
REMOTE-CONTROL SYSTEM
Donald A. Heisner, Lorain, Ohio, assignor to The Lorain County Radio Corporation, Lorain, Ohio, a corporation of Ohio
Application May 9, 1945, Serial No. 592,777
6 Claims. (Cl. 250—40)



1. An electrical control system comprising a radio receiver, a frequency discriminating circuit connected thereto, a relay system including a pair of thermionic tubes A, B having input and output circuits, the respective output circuits containing individually operable electro-magnetic actuators, switching mechanism controlled by said actuators and a reversible load device operated in pre-determined directions by said mechanism, a pair of thermionic tubes C, D having grid and plate circuits, said grid circuits being connected in parallel to said discriminating circuit and said plate circuits being connected respectively to the input circuits of tubes A, B through biasing resistors whereby when potentials of different amounts appear across the grid circuits of tubes C, D, one of the tubes A, B will be rendered inoperative and the other operative to selectively cause the operation of the respective actuators and thereby control the operation of said load device.

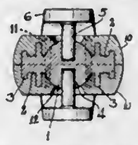
2,474,528
COIL SHAPING APPARATUS
Flavis E. Hook and Raymond O. Riggs, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 6, 1947, Serial No. 772,554
3 Claims. (Cl. 153—3)

1. Apparatus for cylindrically shaping a flat coil comprising dies having concentric cylindrical surfaces between which the coil is formed, members between which the outer end edges of the coil are confined during formation one being movable away from the other to facilitate placing an unformed coil between them, members between which the outer side edges of the coil are confined during formation and normally out of confining position when the dies are separated, members around which the coil is placed before formation and normally separated from the inner end edges



of the coil, the closing of the dies causing the second mentioned members to confine the side portions of the coil between them and the third mentioned members, and means carried by one of the dies for wedging apart the third mentioned members so that the end portions of the coil are confined between them and the first mentioned members.

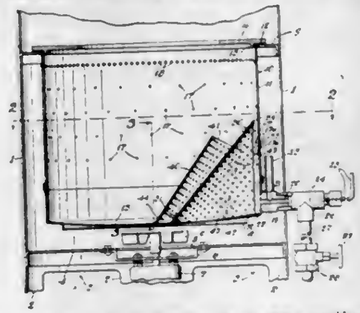
2,474,529
UNIVERSAL JOINT
John H. Hullinger, San Francisco, Calif.
Application August 7, 1948, Serial No. 43,070
5 Claims. (Cl. 64—17)



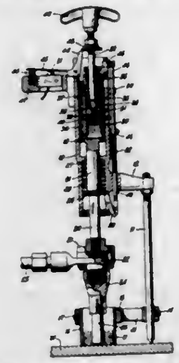
1. A universal joint comprising a substantially globular member having laterally disposed aligned extensions and a pair of axial sockets at its opposite sides, the sockets and the extension being at right angles to each other, a pair of opposed block portions secured together and having opposed grooves at their inner faces within which the globular member rotatably fits, and a bifurcated member having inwardly protruding pins rotatably extending into the sockets of globular member.

2,474,530
POT TYPE OIL BURNER AND PILOT MEANS THEREFOR
Milton D. Huston, Santa Fe, N. Mex., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application August 20, 1945, Serial No. 611,563
1 Claim. (Cl. 158—91)

In a liquid fuel burner and pilot means therefor, a burner pot having a circumferential side wall, a closed end wall and an open end, said side wall having therein a plurality of air inlets spaced circumferentially thereabout and located at various distances from the ends of the pot, means for delivering a liquid fuel to the interior of the pot upon the end wall thereof at a controlled rate of flow, for vaporization upon the end wall of the pot, and a pilot housing located within the pot surrounding and above that part of the end wall of the pot upon which liquid fuel is discharged, the housing including a body portion the lower edge of which conforms to the end wall of the pot, the housing wall of which slants upwardly toward and engages and conforms to the inner face of the side wall of the pot, and an inclined additional baffle body partly surrounding and spaced from the lower portion of the pilot housing and defining, with the pilot housing, an upwardly expanding chamber extending upwardly from the end wall of the pot, such chamber being open upwardly toward the open end of the pot.

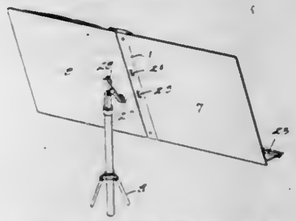


2,474,531
METHOD OF AND APPARATUS FOR ELECTRICALLY WELDING STUDS TO SURFACES
James M. Keir, Bronxville, and Edwin A. Clapp, Niagara Falls, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio
Application April 7, 1944, Serial No. 529,930
11 Claims. (Cl. 219—4)



1. A method of welding a preformed metal stud or the like to a surface of a metal plate or the like, such method comprising initially holding said stud stationary and so as to space one end thereof from an area of said surface to which the stud is to be welded; enclosing said end of the stud, said area and the space between them with granular fusible mineral material; passing through a circuit including said end of said stud, said area and the adjoining mineral material an electric welding current of sufficient magnitude to fuse said end of said stud and the metal at said area and to melt such adjoining mineral material and form a liquid pool thereof around said fused end of said stud and such juxtaposed fused metal of said surface; and rapidly pushing said stud a sufficient distance toward said surface to thrust such fused end of said stud rapidly through such molten mineral material and into the fused metal upon said area, to coalesce the fused metal of such stud end and said area and to force fused metal outwardly around such stud end and form a reinforcing metal fillet around said stud end while forcing a covering layer of such molten mineral material upon such outwardly-forced fused metal to protect the latter from the atmosphere during the formation of said reinforcing fillet.

2,474,532
COMBINATION LOOSE-LEAF BINDER AND MUSIC STAND TABLE
Kenneth Kitchen, Fostoria, Ohio
Application August 7, 1946, Serial No. 688,937
3 Claims. (Cl. 45—121)



1. In a combined loose leaf binder and music stand table, a center section, a supporting strip secured to the front face of said center section, front and back covers hinged to the side edges of the supporting strip, and hinged folding ledges at the front faces and bottom of the front and back covers and forming shelves for additional music or material of temporary usefulness.

2,474,533
PREPARATION OF CUPROUS OXIDE
Lawrence C. Klein, Hubbell, Mich., assignor to Lake Chemical Company, Calumet, Mich., a corporation of Michigan
No Drawing. Application February 26, 1947, Serial No. 731,051
6 Claims. (Cl. 23—147)

1. In a process for producing cuprous oxide the steps of treating a mixture of cuprous oxide and cupric oxide containing at least one mol of Cu_2O for each mol of CuO with a low molecular weight, water soluble organic acid of the class consisting of formic, acetic, propionic, butyric, oxalic, tartaric and lactic acids in aqueous medium, the amount of acid being in excess of the theoretical required to react with the cupric oxide present by at least 20% and the amount of water being from 5 to 50 mols per mol of acid, anhydrous basis, until the cupric oxide has been dissolved and then separating the liquid portion of the reaction mixture from the Cu_2O which remains undissolved.

2,474,534
GROUNDING SHOE FOR WELDING MACHINES
Lloyd Hugh Knost, Webb City, Mo.
Application May 27, 1946, Serial No. 672,471
1 Claim. (Cl. 173—324)

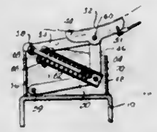
Grounding apparatus for a welding machine comprising a pair of arms mounted adjacent one end thereof for swinging movement on spaced

bers between which the outer end edges of the coil

is discharged, the housing including a body por-

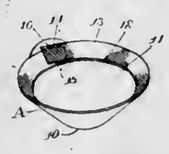
623 O. G.—74

axes; a link pivotally joining the arms near the opposite ends thereof; a grounding shoe formed from conducting material on one of the arms; means for electrically grounding said shoe; and elements for holding said shoe biased against work to be welded in said machine, said elements including a pair of relatively telescoped members



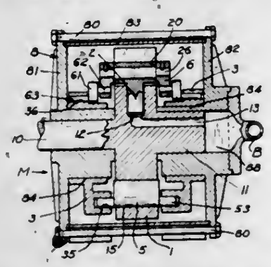
joined to the arms for swinging the same toward the work when the members are moved together toward a fully collapsed condition, and a spring between the members for yieldably holding the members in said condition, one of said members being pivotally joined to one arm at its swinging axis, the other member being joined to the other arm at its pivotal joinder with said link.

2,474,535
PROTECTIVE COT
Steven J. Krannak, St. Paul, Minn.
Application April 30, 1945, Serial No. 591,054
5 Claims. (Cl. 2—21)



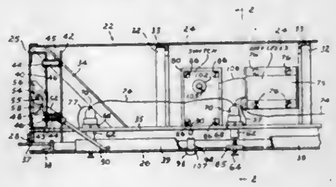
1. A protective cot comprising a concave body having flaring walls, a ring of pressure sensitive adhesive extending along the inner surface of the flaring walls adjacent the marginal edge thereof, a protective covering strip overlying said adhesive, and an unattached integral ear on said body projecting from the marginal edge thereof, said ear being free of the adhesive.

2,474,536
VARIABLE HYDRAULIC PUMP OR MOTOR
John E. Lundegard, Bremerton, Wash.
Application February 17, 1945, Serial No. 578,482
10 Claims. (Cl. 121—60)



1. A hydraulic power transmission unit or the like comprising a rotor having radial cylinders, pistons therein, a disk revoluble about an axis parallel to but disposed at a predetermined eccentricity from the rotor's axis, means interlocking the rotor and disk for conjoint revolution, each about its own axis, and articulated means interconnecting each piston with said disk, comprising a rocker arm pivoted between its ends upon the piston, and links connecting each end of the rocker arm with the disk.

2,474,537
POSITION INDICATOR FOR AIRCRAFT
James A. MacLeod, New York, N. Y., assignor to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
Application March 29, 1946, Serial No. 658,185
11 Claims. (Cl. 177—329)



1. A device of the character described comprising, in combination, a supporting base, water-marking means, means normally securing said water-marking means in inoperative supported relation with said base means for disengaging said base and said water-marking means, and switch means effective to cause release of said securing means and including a housing defining a chamber provided with an open conduit leading from said chamber to the outside atmosphere, said switch responding to the presence of a predetermined volume of water in said chamber to cause the release of said securing means and thereby causing activation of said disengaging means.

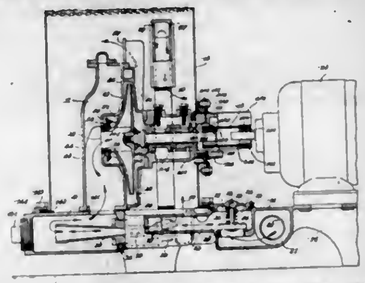
2,474,538
ALLOYING MANGANESE WITH MAGNESIUM
Charles H. Mahoney and Gerald L. Lee, Boulder City, Nev., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
No Drawing. Application June 10, 1944, Serial No. 539,786
2 Claims. (Cl. 75—168)

1. The improvement in permanently alloying manganese with magnesium which comprises introducing crushed metallic manganese into essentially aluminum-free molten magnesium at a temperature of from 750 to 800° C., the particle size of the manganese being in the range minus 4 mesh and plus 150 mesh.

2,474,539
PUMPING APPARATUS
John Mann, Seneca Falls, N. Y., assignor to Gould Pumps, Inc., Seneca Falls, N. Y., a corporation of New York
Application February 25, 1944, Serial No. 523,927
35 Claims. (Cl. 103—5)

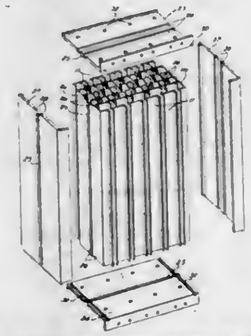
1. A pumping system comprising, in combination, a pump casing, an impeller mounted in said casing, means for rotating said impeller, a chamber in which said casing is mounted, said casing

having at least one opening through which said impeller discharges liquid into said chamber, and



means for supplying air to said chamber without passing through said pump.

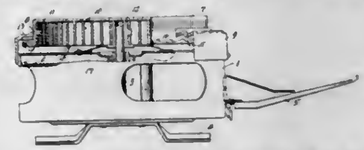
2,474,540
GAS SEPARATOR
Earle S. Marsh, Temple City, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application February 9, 1946, Serial No. 646,664
3 Claims. (Cl. 183—110)



1. A gas separator comprising a plurality of individual vertically extending baffles nested in side by side relationship to present a pair of outer baffles with the others retained therebetween, a pair of spaced vertical side plates disposed adjacent and parallel to the outer of said baffles and engaging said outer baffles to thereby retain all of the baffles in side by side interfitting relation, a pair of spaced horizontal top and bottom plates for vertically retaining said baffles, spaced grooves in each of said top and bottom plates for the reception of the upper and lower extremities of said side plates to retain said side plates in their assembled positions, and projections on said baffles for maintaining them in horizontally spaced positions to permit passage of gas therebetween.

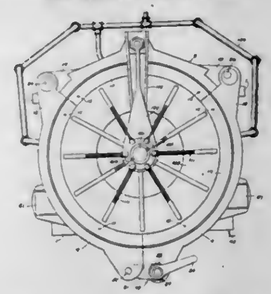
2,474,541
AUTOMATIC FISHING REEL
Alfred David Maury, Ilion, and Albert T. Lyon, Mohawk, N. Y.
Application October 2, 1946, Serial No. 700,750
4 Claims. (Cl. 242—84.3)

1. In an automatic fishing reel which includes a housing for attachment to the handle of a fish pole, a line spool, a rotatable spindle mounted in the housing on which the spool is mounted and with which it rotates, the housing including an annular portion concentric with the spindle and having an inwardly extending flange, a winding member in the form of a cap extending into the housing and having a rim flange opposed to the former flange, a coiled spring within the cap and



anchored at its outer end to the cap and at its inner end to a motion transmitting part on one end of the spindle, the two flanges being provided with means for permitting winding of the spring by the cap and holding the cap from retrograde motion, said flanges being disengageable by an inward axial movement of the cap, and a spring for forcing the cap outwardly to hold the flanges engaged.

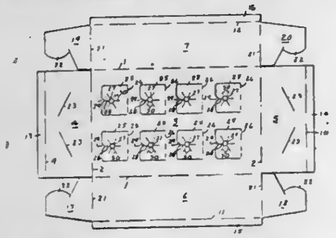
2,474,542
VULCANIZER MOLD
Robert A. McClond, San Lorenzo, and John L. Daum and Thomas P. Bacon, Oakland, Calif.
Application March 26, 1945, Serial No. 584,911
21 Claims. (Cl. 18—18)



13. In a tire vulcanizer of the character described, a stationary mold section, a movable mold section at each end of said stationary mold section, a hinge connection between each end of the stationary section and the adjacent end of each movable section, said hinge connection including a plurality of aligned cam elements having aligned holes therethrough off center with respect to the axis of the hinge, certain of said elements being fixedly connected to the movable section and the other elements being rotatably held on the hinge of the adjacent end of the stationary section, a crank shaft having its throw extended through said aligned holes, means to rotate said crank shaft for rotating said cam elements in the hinge of said stationary sections and to shift the hinged end of said movable section from an initial aligned position inwardly of the mold and then to an aligned position spaced from the stationary section and then outwardly of the mold from said last aligned position and back to the first aligned position during each revolution of said crank shaft, one of the elements connected to said crank shaft having diametrically opposite detents thereon, a releasable catch de-

vice to automatically engage one of said detents when said movable mold section is in said initial position and the other detent when said movable mold section is in said spaced aligned position; and a control mechanism for releasing said catch mechanism and starting said rotating means and thereafter for stopping said rotating means when said catch device is automatically re-engaged with either of said detents after each half revolution of said crank shaft from said initial position, said control mechanism including a system of links connected to the catch devices at both movable section hinges and to an electric circuit control, said rotating means being controlled by said electric circuit control.

2,474,543
FLOWER HOLDER AND BOX
Roderick I. McLellan, Colma, Calif., assignor to E. W. McLellan Co., San Francisco, Calif., a corporation of California
Application April 2, 1948, Serial No. 18,605
5 Claims. (Cl. 206—45.14)

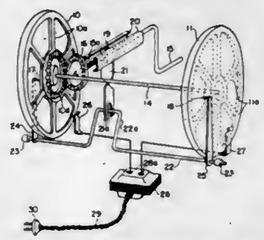


1. A flower holder comprising a box including a bottom wall formed with a plurality of apertured tabs partially stamped and integrally united therewith and projecting angularly upwardly therefrom for insertion of the stems of flowers through the apertures in said tabs for holding a flower on each tab, said tabs being separate and spaced from each other with at least one aperture to each tab and each tab being free for folding to a position coplanar with said bottom wall upon removal of the flower therefrom, said tabs being arranged in spaced relationship and inclined whereby the stems of the flowers adapted to be supported by said tabs will extend slantingly into engagement with the said bottom wall behind the opening left by said tab.

2,474,544
FUSED CAST ALUMINA REFRACTORY
John Charles McMullen, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application August 10, 1946, Serial No. 689,825
11 Claims. (Cl. 106—63)

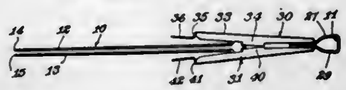
3. A fused cast alumina refractory article containing, in addition to crystalline alumina, minor amounts of an alkali oxide, an alkaline earth oxide selected from the group consisting of calcium oxide, barium oxide and strontium oxide, and an acid oxide selected from the group consisting of silica and titania, the combined percentage of alkali oxide, alkaline earth oxide and acid oxide being 4% to 7% by weight of the mass with the acid oxide from an effective amount up to 2% by weight of the mass, and the alkaline earth oxide from 0.1% to .4% by weight of the mass, the remainder of said article being substantially entirely crystalline alumina, said article having a dense, finely crystalline structure.

2,474,545
GRAPHIC FACSIMILE TOY
David W. Moore, Jr., New York, N. Y.
Application August 3, 1946, Serial No. 688,380
2 Claims. (Cl. 178—6.6)



1. A graphic toy for transferring an image from an electrographic master record to an electrosensitive record blank comprising, a first rotatable support for a master record, a second rotatable support for a record blank, a common shaft for supporting and driving said supports, a pivoted shaft having an actuating ball, a pair of scanning devices mounted on said shaft and individually movable across said supports, a manually rotatable driving means, a driving connection between said driving means and said supporting shaft, said driving means including a lead screw and follower, a driving connection between said follower and said ball, and an electrical circuit directly interconnecting said scanning devices and including supply circuit connections.

2,474,546
ABRASIVE STRIP HOLDER
Alvin O. Olafson, St. Paul, Minn.
Application March 26, 1947, Serial No. 737,243
12 Claims. (Cl. 51—187)

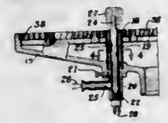


1. A holder for flexible strip material comprising an elongated support, a pair of opposed clamping members slidably supported on said support, said clamping members being hingedly supported for movement into or out of clamping position on opposite sides of said support, and wedge means on said elongated support engageable with said clamping members upon longitudinal movement thereof for hinging said clamping members into clamping position.

2,474,547
GAS BURNER AND PILOT
Paul J. Patch, Denver, Colo., assignor to The Rocky Mountain Gas Equipment Company, Denver, Colo., a corporation of Colorado
Application September 7, 1945, Serial No. 614,888
4 Claims. (Cl. 158—115)

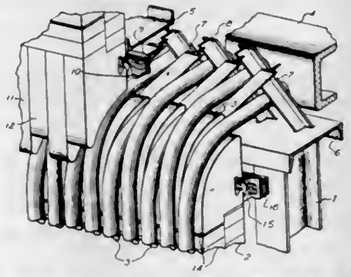
1. A gas burner, comprising, a hollow body having a top wall and a bottom wall, provided with axially aligned openings, the opening in

the top wall being the larger, a tube having its lower end positioned in the opening in the bottom wall and its upper end in the opening in the top wall, an annular gas distributing nozzle surrounding the upper end of the tube, a tubular member forming part of a thermo-responsive device, positioned in the tube a seal between the lower end of the tube and said tubular member,



the outside diameter of the tubular member being less than the inside diameter of the tube whereby an annular passageway for combustible fuel is formed, means for introducing a combustible gaseous mixture into the annular space which, when ignited, forms a tubular flame, and a thermal device at the upper end of the tubular member.

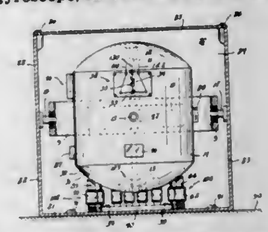
2,474,548
WALL BOX FOR WATER TUBE BOILERS
George P. Reintjes, Kansas City, Mo.
Application November 23, 1946, Serial No. 711,876
1 Claim. (Cl. 122—6)



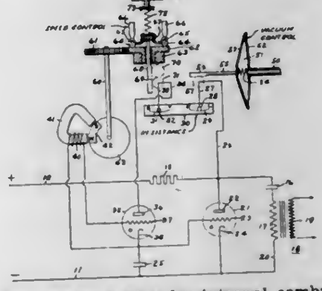
In a water tube boiler, the combination with an upright support, a horizontal beam carried by said support and comprising a pair of vertically spaced members connected by two sets of oppositely inclined spaced diagonals to provide tube-receiving openings, a plurality of water tubes spaced from the upright and having their upper ends curved horizontally, the horizontal portion of alternate tubes passing through the openings at different levels, tile supports respectively carried by the upright and the beam, and tile carried by said tile supports in coacting pairs to embrace the upper and lower faces of the curved portion of each water tube.

2,474,549
GYROSCOPE
John F. Schoeppel, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 19, 1945, Serial No. 589,130
6 Claims. (Cl. 74—5.47)

1. In a device of the class described, in combination, a gyroscope having a spin axis, means mounting said gyroscope for rotative movement about a pair of mutually perpendicular gimbal axes normally perpendicular to said spin axis, means applying to said gyroscope a pair of forces which in the normal position of the gyroscope provide a turning couple about an axis passing through the intersection of said gimbal axes and axially spaced therefrom, and means effective to vary the magnitude of said forces, whereby to precessively exert a torque about a gimbal axis of said gyroscope, said second named means comprising a torque motor having a pair of exciting windings and a magnetically reactive member arranged for relative rotative movement, said last named means comprising means for differentially energizing said exciting windings of said torque motor.



2,474,550
IGNITION SYSTEM
Brooks H. Short and Herman L. Hartzell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 19, 1947, Serial No. 774,908
6 Claims. (Cl. 123—148)



5. Ignition apparatus for internal combustion engines comprising an ignition coil, a current source, a main condenser charged thereby, a thyratron for withholding discharge of the main condenser to the coil until the desired instant of ignition, an auxiliary condenser connected with the grid of the thyratron to cause the thyratron to become conducting when the auxiliary condenser attains a potential sufficient for discharge to said grid, a circuit for connecting the auxiliary condenser with the current source and including a second thyratron and a variable resistance, a magneto generator operated by the engine and having a coil connected with the grid of the second thyratron to render said thyratron conducting whereby the charging of the auxiliary condenser begins at a certain instant in the operation of the engine, and means responsive to engine operating conditions for controlling the variable resistance in order to vary the duration of potential increase at the auxiliary condenser to a value sufficient to cause the first thyratron to become conducting.

of said felt sole, joining together said border por-

2,474,551
CURTAIN AND DRAPE ROD SUPPORT ATTACHMENT
Marvin A. Smith, Portland, Oreg.
Application April 7, 1948, Serial No. 19,523
2 Claims. (Cl. 248—263)



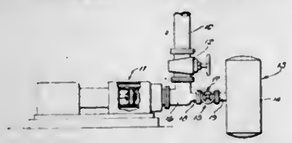
2. A curtain or drape rod support comprising in combination a pair of plates, a Venetian blind header attached to and supported by said plates, a bracket adjustably secured to each of said plates, each of said brackets having a rear wall, two parallel side walls, two spaced apart front walls, parallel vertical extensions formed integral with said end walls, and clips adjustably attached to the upper and lower ends of said bracket for securing the bracket to said plates.

2,474,552
SECTIONAL HINGED FOLD HOLDER
Frederick W. Steinmeyer, Oakland, Calif.
Application July 31, 1945, Serial No. 608,069
7 Claims. (Cl. 160—348)



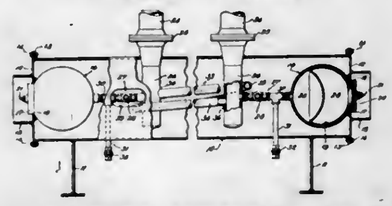
3. The combination with a traverse rod and a traverse curtain supported by the rod and being movable from open to closed position, the curtain having folds formed therein at its top and having a hem at its bottom, of a sectional hinged fold holder placed in the hem and comprising a plurality of sections jointed together, the ends of each section being curved slightly in opposite directions, the length of the sections determining the width and the shape of the folds at the bottom of the curtain and causing these to match the folds at the top to thus establish a succession of flutes full length of said curtain from top to bottom.

2,474,553
ELIMINATION OF PULSATIONS IN GAS LINES
Foster M. Stephens, Los Angeles, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application March 19, 1946, Serial No. 655,409
5 Claims. (Cl. 230—236)



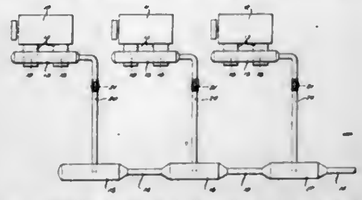
3. In combination with a gas compressor, apparatus for the removal of pulsations in a gas stream having pulsating flow created by the compressor, comprising a line pipe connected with the compressor and conducting the pulsating gas stream, and a closed chamber having a restricted communication with said stream and forming with said communication an acoustical filter having a resonant frequency corresponding to the frequency of the dominating pulsations in said gas stream.

2,474,554
APPARATUS FOR PULSATION ELIMINATION IN FLUID STREAMS
Foster M. Stephens, Los Angeles, and Cecil F. Yates, North Hollywood, Calif., assignors to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application August 5, 1946, Serial No. 688,552
11 Claims. (Cl. 138—30)



1. Apparatus for eliminating pulsations in a liquid stream flowing continuously through a line, comprising a housing, a pair of vessels contained in said housing, means connecting said vessels with said line at spaced locations therealong, said vessels containing gas which compresses and expands in response to increasing and decreasing pressures transmitted through the liquid from said line, and means providing a restriction in said line between said locations.

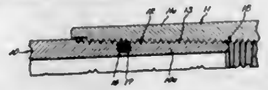
2,474,555
GAS LINE PULSATION DAMPENING SYSTEM
Foster M. Stephens, Los Angeles, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application September 13, 1946, Serial No. 696,782
5 Claims. (Cl. 230—236)



1. In combination with a plurality of gas compressors, a gas manifold line consisting of a succession of enlarged chambers, adjacent chambers being interconnected by a smaller cross-sectional area passage, and pipes connecting each chamber with one each of the compressors so that the gas is caused by the compressor displacements to flow through said manifold line from one into a next of said chambers and the gas flow is regularized by virtue of the chamber and interconnecting passage series.

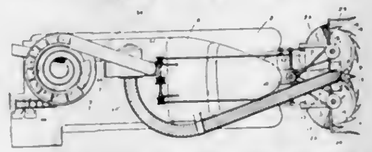
2,474,556
PIPE JOINT SEAL
Albert L. Stone, Palos Verdes Estates, Calif.
Application November 23, 1945, Serial No. 630,196
2 Claims. (Cl. 285—154)

1. A threaded pipe joint comprising inner and outer sections having inter-engaging threads and spiral fluid-containing clearance spaces beyond the crests of the threads that form fluid-passing channels containing a flowable sealing substance, and a body of deformable material contained within a recess in a portion only of the annular threaded area of one of the sections and having its inner face in sealing engagement with opposed threads and channels on the other



section, said deformable material forming a dam across said channels so as to seal the joint against fluid leakage therethrough and to crowd said flowable sealing substance forward in said spaces as the sections are screwed together, the crowded flowable sealing substance between the deformable member and the inner end of the joint co-acting with the deformable member to prevent fluid leakage out through the joint.

2,474,557
COMBINE HARVESTER
Fred H. Templeton, Portland, Oreg., assignor to Templeton Harvester, Inc., Oakland, Calif., a corporation of California
Application June 2, 1944, Serial No. 538,398
7 Claims. (Cl. 56—122)



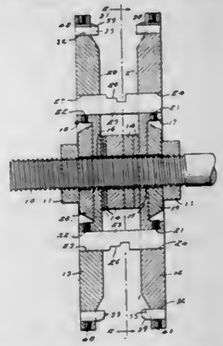
1. A harvesting and threshing machine for grain having in combination therewith, a grain cutter comprising a disc mounted for revolution in a horizontal plane, horizontally extending cutting teeth on the perimeter of said disc, a plurality of upstanding vanes, each vane being made rigid with a cutting tooth and having an upstanding leading end positioned immediately beyond the end of the tooth with which it is made rigid, conterminous with the extreme cutting part of such tooth, and a trailing end curved backwards from said leading end to constitute an air moving device when the disc is revolved.

2,474,558
MANUFACTURE OF TURNED SLIPPERS OR SIMILAR FOOTGEAR
Karl Erik Tholson, Akarp, Sweden
Application February 14, 1947, Serial No. 728,596
In Sweden February 21, 1946
5 Claims. (Cl. 12—142)



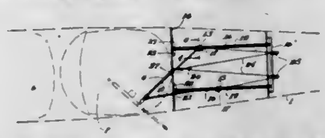
1. A method of making light footgear such as slippers, comprising providing a felt sole having a strip fastened on the edge thereof so as to present a border portion projecting beyond the edge of said felt sole, joining together said border portion and edge portions of an outer sole, an upper and a lining for said upper in reversed condition, and turning the upper right side out.

2,474,559
CIRCULAR BURNISHER PLANER AND MOLDING HEAD
Charles A. Walters, Portsmouth, Ohio
Application May 28, 1945, Serial No. 596,123
2 Claims. (Cl. 144—218)



1. In a burnisher planer and moulding head of the character disclosed, the combination of a mandrel, a pair of cutter disks disposed in spaced relation on said mandrel and secured thereto for rotation therewith, each of said cutter disks having a plurality of transverse openings of triangular cross-section disposed circumferentially thereof, a plurality of triangularly shaped cutter elements disposed slidably within said openings respectively, each of said cutter elements having a plurality of cutter edges adapted to be projected within the region between the disks, each of said cutter disks having a plurality of non-circular openings disposed circumferentially and transversely thereof, said non-circular openings being located radially inwardly of said triangular openings and the openings in one disk being axially aligned with those in the other, and a plurality of non-circular moulding bits disposed within said non-circular openings and extended between said pair of disks, said moulding bits being individually removable and adjustable relatively to the disks.

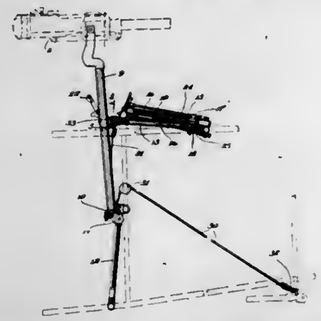
2,474,560
FLEXIBLE GUN MOUNT FOR AIRCRAFT
Michael Watter, Hartford, Conn., assignor to United Aircraft Manufacturing Corporation, a corporation of Delaware
Application October 18, 1930, Serial No. 489,537
20 Claims. (Cl. 89—37.5)



1. A flexible gun mount for aircraft comprising a gun standard mounted for universal movements, a pair of guide members having one end

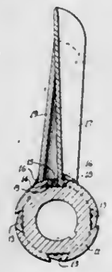
of each disposed adjacent the standard, a pair of retaining arms pivotally connected each at one end with said standard and slidably connected at their other ends with said guide members and means for locking the said other ends of the retaining arms at any desired positions along said guide members.

2,474,561
FLEXIBLE GUN MOUNT FOR AIRCRAFT
Michael Watter, New York, N. Y., and Herbert W. Doherty, East Hartford, Conn., assignors to United Aircraft Manufacturing Corporation, a corporation of Delaware
Application November 13, 1931, Serial No. 574,690
8 Claims. (Cl. 89—37.5)



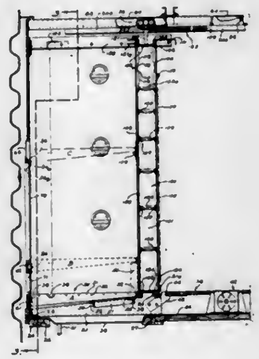
1. In aircraft a main body having a gunner's compartment and a gun mounted therein for universal adjustment, the gun mount including a guide member in the lower part of the compartment, a slide member adjustably mounted on said guide, a standard projecting downwardly into the compartment and pivotally mounted at its lower end on said slide member and adjustable bracing mechanism disposed within the stream-lines of the main body and connected with said standard.

2,474,562
PROPELLER
William Waterval, Brooklyn, N. Y.
Application March 30, 1945, Serial No. 585,657
1 Claim. (Cl. 170—159)



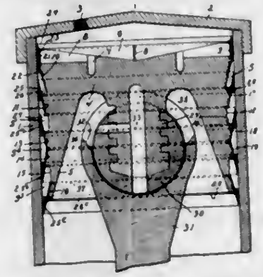
The combination of a propeller blade with a recessed hub portion, said propeller blade comprising a major blade having its bottom portion enlarged and slantingly bent, said hub portion being formed with grooves therein, the enlarged portion of the major blade being mounted against one side of one of said grooves, a wedge arranged against the opposite side of said groove, and a locking member disposed between the wedge and said blade, whereby to secure the latter solidly in position, said wedge, locking member and blade being welded solidly together to form a unit, a second blade, slightly bevelled to form a streamlined surface, being welded to the major blade, said major blade and second blade being welded to the hub portion proper, substantially as shown and described.

2,474,563
CONVERTIBLE ICE BUNKER
Herbert J. Wieden, Los Angeles, Peter C. Traphagen, Pasadena, and Eliot F. Stoner, Los Angeles, Calif., assignors, by mesne assignments, to General American-Duryea Corporation, Chicago, Ill., a corporation of Delaware
Application July 22, 1946, Serial No. 685,510
21 Claims. (Cl. 62—19)



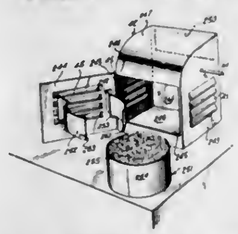
1. In a refrigerator car structure, or the like which has a floor, roof and side and end walls, a movable transverse bulkhead, and means for securing the bulkhead in a transverse plane spaced from the end wall in a bunker forming position dividing the car interior into a load compartment and an ice bunker between that compartment and the end wall; the combination of means supporting the bulkhead in the car structure for movement longitudinally between the end wall and the bunker forming position and for longitudinal movement from the bunker forming position into the load compartment, said supporting means incorporating a pivotal mounting for the bulkhead whereby the bulkhead may be swung from a position in a transverse plane into a position out of that plane to afford access to the ice bunker from the load compartment, an ice grate, means for securing one edge of the ice grate on the car end wall, means for supporting the opposite edge of the ice grate on the bulkhead when the latter is in its bunker forming position, and means for locking the bulkhead to the last mentioned supported edge of the ice grate to prevent movement of the bulkhead into the load compartment.

2,474,564
PISTON FOR HIGH-COMPRESSION ENGINES
Stanley Martin Zoromskis, Kenosha, Wis.
Application August 20, 1947, Serial No. 769,686
10 Claims. (Cl. 309—14)



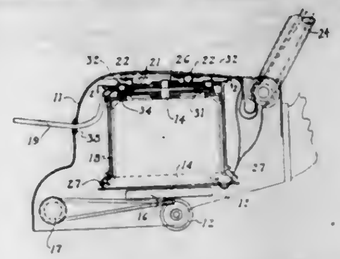
1. A piston having a plurality of slippers secured to its outer wall, the slippers below the topmost one each comprising a ring whose cross sectional form is that of a V, one leg of which is longer than the other, the longer leg having means for securing the slipper to the piston, the outer surface of the shorter leg constituting a cylinder contacting surface.

2,474,565
VAPORIZER
Furman S. Abbott, Montclair, N. J., assignor to Airkem, Inc., New York, N. Y., a corporation of New York
Application November 13, 1946, Serial No. 709,449
3 Claims. (Cl. 261—98)



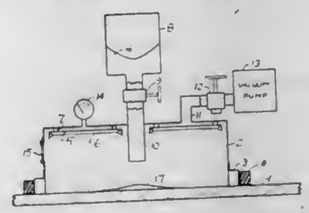
1. A vaporizer comprising, in combination, a hollow casing, partition means dividing said casing into upper and lower compartments and having an aperture therein for passage of gaseous medium, said casing having inlet and outlet openings for passage of gaseous medium with one communicating with the upper compartment and the other communicating with the lower compartment and an access opening in one side of said casing leading to the lower compartment, door means to close the access opening, support means mounted on the inside of said door means, a porous mass of material having tortuous passages extending therethrough defined by surfaces of extended area, means removably to support said mass on said support means beneath and substantially extending across the aperture in said partition means, conduit means to convey liquid under pressure to within the upper compartment, and spraying means connected to said conduit means and mounted in the upper compartment above the aperture to spray liquid down on said mass.

2,474,566
TAKE-UP OF ELECTRIC CORDS
Earl Applegate, Frankfort, Ind.
Application November 12, 1946, Serial No. 709,324
8 Claims. (Cl. 242—77)



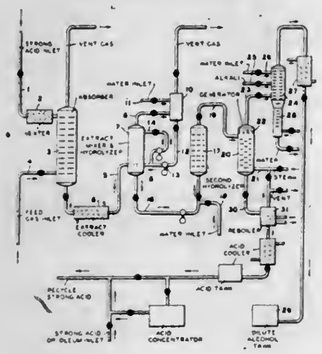
1. A portable electric device (including a portable housing and an electric motor with a shaft carried by the housing), and cord winding apparatus including a reel rotatably carried by the motor with its axis extending in axial alignment with the motor shaft, a drive device including driven and drive elements, respectively, associated with the reel and motor for transmitting drive from the motor to the reel, said drive device being of a type which while driving the reel permits a substantially non-rubbing type of slippage between the motor and the reel, and the drive element being driven at full motor speed and the driven element being slip-driven thereby with such non-rubbing slippage that while its speed is a small fraction of the speed of the drive elements, the torque developed is not more than slightly in excess of enough to barely wind the cord while loose.

2,474,567
VACUUM APPARATUS FOR IMPREGNATING FLOORS
Lindsay M. Applegate, Portland, Oreg.
Application February 10, 1947, Serial No. 727,534
5 Claims. (Cl. 91—18)



2. In means for impregnating floors, the combination of an open-bottomed chamber evacuating means, means for admitting and depositing impregnating compound on said floor, and a seal around the edge of said chamber, said seal comprising the edge of the chamber in contact with the floor, a rigid ring attached to said chamber the edge of said ring being substantially coplanar with the edge of said chamber, and spaced therefrom and an external ring of yielding material attached to the outer side of said rigid ring for close sealing to said floor.

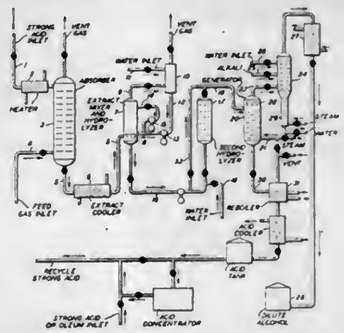
2,474,568
DILUTION AND HYDROLYSIS OF DIETHYL SULFATE SOLUTIONS
Lewis A. Bannon, Baton Rouge, La., and Charles E. Morrell, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application June 11, 1946, Serial No. 676,078
9 Claims. (Cl. 260—639)



1. An improved process for the preparation of ethyl alcohol from a solution of diethyl sulfate in strong sulfuric acid, comprising diluting said solution with water to a 40–55 weight percent (hydrocarbon-free basis) sulfuric acid concentration and hydrolyzing the major portion, but not all, of said diethyl sulfate in a first hydrolysis zone maintained at a temperature of 80–90° C., withdrawing a stream of the resulting partly hydrolyzed solution from said first hydrolysis zone and passing it through a second hydrolysis zone maintained at a temperature between 80 and 95° C., providing sufficient residence time in said second zone for substantially complete hydrolysis of remaining diethyl sulfate, then stripping alcohol from the stream leaving said second zone by contact with steam.

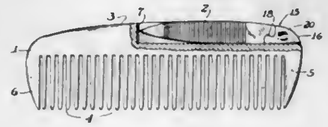
2,474,569
DILUTION AND HYDROLYSIS OF DIETHYL SULFATE SOLUTIONS
Lewis A. Bannon, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 11, 1946, Serial No. 676,079
8 Claims. (Cl. 260—639)

1. An improved continuous process for the hydrolysis of a solution of diethyl sulfate in strong sulfuric acid which, on dilution with water, will form a separate diethyl sulfate phase, comprising passing a stream of said solution into a hydrolysis zone containing partly hydrolyzed solution having sufficient ethyl alcohol to prevent formation of a separate phase of the added diethyl sulfate, separately adding water to said zone to maintain therein 40–55 weight per cent (hydrocarbon-free basis) sulfuric acid, maintaining said zone at a suitable hydrolysis temperature with mixing to provide a substantially uniform composition throughout said zone, providing sufficient residence time in said zone to hydrolyze at least the major portion of said added diethyl sulfate, withdrawing a stream of



the hydrolyzed solution from said zone and separating ethyl alcohol therefrom.

2,474,570
COMBINATION COMB AND FILE
Emile V. Boudreaux, Los Angeles, Calif.
Application March 24, 1945, Serial No. 584,602
2 Claims. (Cl. 132—76.4)

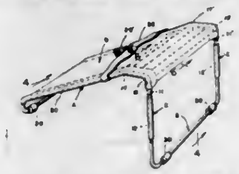


1. In a device of the character disclosed, a first member provided with an elongated outwardly opening groove, and formed with a cut-away portion adjacent one end of said member to provide two undercut extensions adjoining said groove; an element to be received in said groove and formed with a part adapted to fill said cut-away portion to form a continuation of the first member, said part provided with spaced notches adapted to have snap engagement with said undercut extensions for holding said part to said first member.

2,474,571
LOW-TEMPERATURE POLYMERIZATION PROCESS
Paul W. Brakeley, Jr., Plainfield, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 28, 1946, Serial No. 657,906
5 Claims. (Cl. 260—85.3)

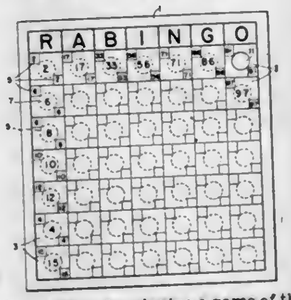
1. A polymerization process for isobutylene comprising the steps of cooling isobutylene to a temperature within the range between —40° C. and —103° C., adding thereto a Friedel-Crafts polymerization catalyst and thereafter chemically destroying the catalyst activity during the peak of the polymerization reaction and within 5 seconds of the initiation of reaction.

2,474,572
CHILD'S SHAMPOO BOARD
Horace B. Brose and Lazetta D. Brose, Chicago, Ill.
Application August 27, 1948, Serial No. 46,544
2 Claims. (Cl. 4—159)



1. In a device of the class described, a substantially U-shaped frame having downturned ends, a fabric covering secured to the sides of the frame, a supporting frame with turned up ends, and two upright tubular couplings adapted to supportingly engage the downturned ends of the U-shaped frame, each coupling having a shoulder in one end portion adapted to be supportingly engaged by the upturned ends of the supporting frame.

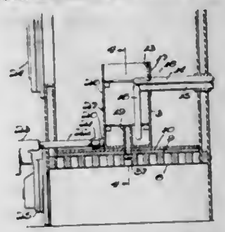
2,474,573
GAME BOARD OF THE LOTTO TYPE
Abe Henry Cohen, Pittsburgh, Pa.
Application April 21, 1947, Serial No. 742,907
1 Claim. (Cl. 273—135)



Game apparatus for playing a game of the Lotto type comprising a card of the Lotto type, the area of one surface of which has impressed thereon an array of small areas arranged in columns and rows each of said small areas having a portion enclosed by a perforated contour of such dimension that said portion may be removed by a thrust of a finger which breaks the solid portions of said contour, each said small area also having a number impressed in a region thereof external to said contour.

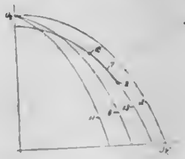
2,474,574
OIL HEATER FOR HOT-WATER FURNACES
James E. Craddock, Richmond, Va.
Application October 7, 1946, Serial No. 701,813
2 Claims. (Cl. 126—93)

1. A coal furnace heater including a casing open at the top and composed of vertical front, rear and side walls and provided with a horizontal bottom adapted to be supported upon the grate of a coal furnace, the rear wall being provided with a vertical slot extending downwardly from the upper edge of said rear wall and terminating short of the bottom of the casing and arranged to receive the pipes of a water heating coil, a vertical closure plate fitted against the rear wall of the casing and provided with a vertical slot extending upwardly from the lower edge of the closure plate and arranged to permit the same to straddle said pipes and close the vertical slot of said rear wall above said pipes, upper and lower baffles removably supported within the



casing and having openings of a size to receive said coils and provided with slots aligned with the slot of the rear wall of said casing and of a size to clear said pipes in assembling and installing the heater, a fluid fuel inlet at one of the walls of the casing adjacent the bottom thereof, and an air inlet tube extending upwardly from the bottom of the casing and having its upper end located at an elevation above that of the fuel inlet.

2,474,575
HEATING DEVICE FOR HOT CATHODE TUBES
Marcel Georges Favre, Wettingen, Switzerland, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland
Application November 8, 1945, Serial No. 627,482
In Switzerland February 27, 1943
3 Claims. (Cl. 315—106)



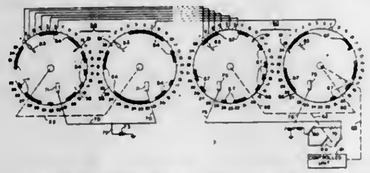
1. The combination with a tube having a hot cathode cooperating with a grid and an anode, said hot cathode comprising a filament; of a source of cathode-heating current, and regulating means automatically varying the voltage impressed by said source across said filament to maintain the electronic emission current of said cathode constant and independent of variations in the anode space current; said regulating means comprising a transformer having a secondary winding connected across said filament and a primary winding connected to said current source, means for adjusting the magnetic leakage flux of said transformer to impart to the secondary winding a voltage-current relation over a resistance range which has substantially the curvature of the voltage-current characteristic for a constant electronic emission current from said filament as its resistance increases during use of the tube, and means for adjusting the voltage imposed by said source upon said transformer primary winding to that constant value at which

condition which varies in accordance with an

2,474,582
GAS TURBINE PLANT

the voltage impressed across said filament varies with the resistance thereof to maintain the electronic emission current constant.

2,474,576
MASTER-SLAVE SYSTEM
Nicholas V. Fedotoff, Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application December 31, 1946, Serial No. 719,410
13 Claims. (Cl. 318—33)

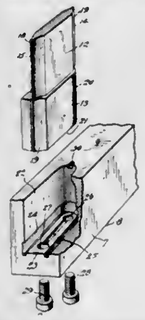


1. A master-slave system comprising: a master switch and a slave switch each having approximately M different switch positions and each including N contacts where N is a number greater than four but substantially less than M; and connections between corresponding ones of said contacts; said master switch and said slave switch being constructed with reference to each other and in accordance with the relation

$$M=\frac{N(N-1)(N-2)\ \ldots\ (N-P+1)}{P!}$$

wherein P is a number which does not exceed one-half the number N, to establish (a) operative relations between said switches through a maximum of P of said connections, (b) to establish operative relations between said switches through at least one of said N connections for any relative position of said switches with the exception of only those relative switch positions at which correspondence is attained, and (c) to establish inoperative relations between said switches through said connections for those relative positions at which correspondence is attained.

2,474,577
TRY SQUARE
Charles E. Gancer, Oak Park, Ill.
Application February 15, 1946, Serial No. 647,833
4 Claims. (Cl. 33—112)

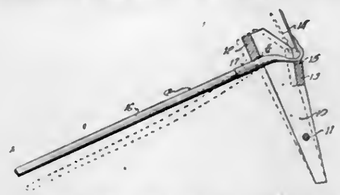


4. A precision square comprising a stock having opposed parallel working faces and provided with a recess at one end, the bottom of said recess being accurately ground to a condition of parallelism with said opposed faces; a bevel-edged blade having an enlarged head, the end of said head being accurately ground at a 90 degree angle to the edges of said blade and provided with a threaded screw-receiving opening; said stock having a screw-passing opening extending from the outer face thereof and terminating at the bottom of said recess; said head lying within said recess with its end in contact with the bottom of said recess; and a screw, passing through the opening in said stock and engaging the threaded opening in said head, whereby to secure the blade and stock in assembled relation.

2,474,578
CHLORINATED METHYLCHLOROSILANES AND THEIR HYDROLYSIS PRODUCTS
William F. Gilliam, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application May 5, 1945, Serial No. 592,289
8 Claims. (Cl. 260—448.2)

1. Methyldichloromethyldichlorosilane.

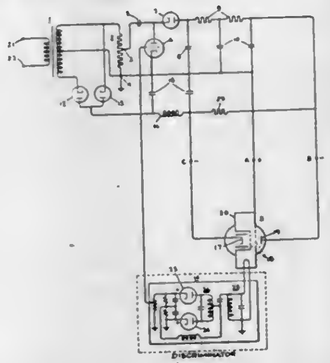
2,474,579
HOE STAND
John F. Hendrix, Munday, Tex.
Application May 3, 1948, Serial No. 667,033
3 Claims. (Cl. 51—216)



1. A hoe sharpening stand including an A-frame, a hoe blade retaining member fixedly disposed transversely on one side of said frame in spaced relation to the apex thereof and provided with a gullet to receive the handle of said hoe blade, the end of said handle being adapted to engage the ground in spaced relation to said stand in support thereof, a second transverse member on the opposite side of said stand and above said first member adapted to exert a downward thrust on said hoe handle in tilted position of said frame to clamp said hoe in said frame.

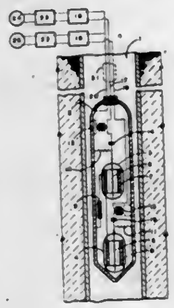
2,474,580
VOLTAGE REGULATING SYSTEM
Michael E. Hiehle, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application May 23, 1946, Serial No. 671,677
6 Claims. (Cl. 250—36)

1. A regulating circuit comprising in combination, a source of alternating electromotive force, a first condenser and a first rectifier connected in series relation across said source, a second rectifier and a second condenser connected in series relation across said first rectifier, one of said rectifiers including a control electrode, said second rectifier being disposed to conduct current from the point of connection of said rectifiers in a direction opposite to said first rectifier, a utilization device, said device having an operating condition which varies in accordance with an applied voltage, means connecting said device across said second condenser, thereby to supply said voltage to said device, means to produce an electromotive force varying in accordance with the deviation of said operating condition from a



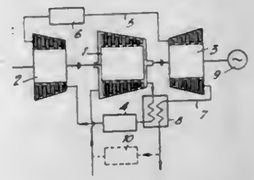
desired value, and means to impress said electromotive force on said control electrode thereby to vary the effective resistance of said one rectifier, said variation being in direction to compensate for said deviation, thereby tending to maintain constant said operating condition.

2,474,581
WELL LOGGING
Lynn G. Howell, Silver Spring, Md., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 19, 1945, Serial No. 589,206
2 Claims. (Cl. 250—83.6)



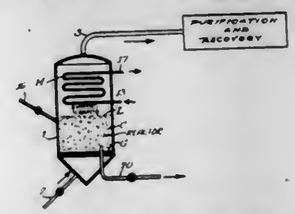
1. A method for logging a borehole which comprises passing through the borehole simultaneously and at the same speed a plurality of spaced Geiger-Mueller detectors of radiations resulting from nuclear disintegrations thereby obtaining two separate electrical impulse counts responsive said counts into proportional varying electrical to radioactivity along the borehole, converting signals and recording separately said signals.

2,474,582
GAS TURBINE PLANT
Ingvar Karl Einar Jung, Langedrag, near Goteborg, Sweden
Application June 26, 1944, Serial No. 542,147
In Sweden July 10, 1943
3 Claims. (Cl. 60—41)



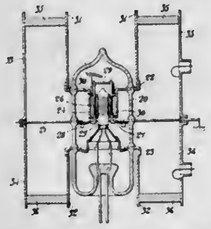
1. A gas turbine plant comprising, a high-pressure gas turbine, a low-pressure gas turbine, a series connection therebetween for feeding the effluent of the high-pressure turbine to the low-pressure turbine, a heat chamber in said connection, a compressor having two rotors arranged for opposite rotation, means for coupling each rotor to a separate one of said turbines so as to be driven thereby, a load connected to the low-pressure turbine so as to be driven thereby, a connection for delivering the compressed fluid to the high-pressure turbine, a heat chamber in said connection, and means for recovering heat from the exhaust gases of the low pressure turbine and delivering it to the compressed fluid before entering said last-mentioned heat chamber.

2,474,583
TEMPERATURE CONTROL MEANS
Warren K. Lewis, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 19, 1946, Serial No. 642,397
6 Claims. (Cl. 260—449.6)



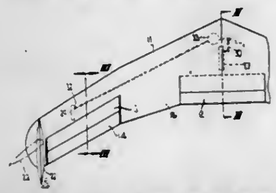
4. The method of abstracting heat from an exothermic reaction carried out in a reaction zone in which a powdered catalyst material is present in a lower dense phase suspension and in an upper dilute phase suspension contiguous with the former which comprises providing a flowing confined stream of a coolant in the upper dilute phase, permitting vaporous products issuing from the dense suspension to flow in heat exchange relationship with said coolant under conditions of temperature and pressure such that at least a portion of said vapors are condensed, permitting said condensate to return by gravity to said dense phase, where it contacts said last-named phase under conditions of temperature and pressure permitting vaporization of said condensate whereby heat is abstracted from said dense phase.

2,474,584
AMPLIFIER TUBE FOR HIGH FREQUENCIES
Gerhard Liebmann, Cambridge, England, assignor to Cathodeon Limited, Cambridge, England, a British company
Application July 29, 1946, Serial No. 687,022
In Great Britain November 20, 1941
12 Claims. (Cl. 250—27.5)



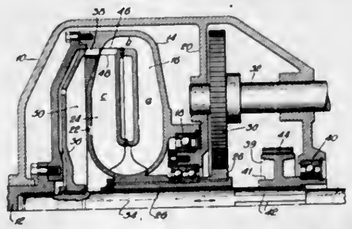
1. An amplifier tube having an envelope, concentric electrodes disposed coaxially in said envelope, said electrodes including a cathode next surrounded by a grid electrode and an anode surrounding said grid electrode, said grid electrode next to said cathode being conductively mounted by one end thereof on a metal screening annulus sealed through the wall of said envelope substantially perpendicularly to the axis of said envelope, the other end of said grid electrode being closed by a metal screening cap conductively secured thereto, a flanged metal member sealed through said envelope wall substantially parallel to said screening annulus and electrically connected to said cathode, with the flange of said member disposed outside said envelope.

2,474,585
CONTROL OF FLYING-WING AIRCRAFT
John Lloyd, Coventry, England, assignor to Sir W. G. Armstrong Whitworth Aircraft Limited, Coventry, England
Application May 9, 1944, Serial No. 534,763
In Great Britain August 28, 1943
5 Claims. (Cl. 244—13)



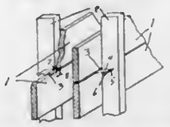
1. In an aeroplane of the flying-wing type, the combination of a main lifting flap means, having a span which is less than one-third of the total wing span, at the trailing edge of its centre portion, a trimmer towards each wing tip at the trailing edge thereof, each said trimmer carrying a respective control flap at its trailing edge, operating means for lowering said main lifting flap means from, and returning it to, a neutral position, a control for said main lifting flap operating means, operating means for raising said trimmers above, and returning them to, a neutral position, a control, independently actuable with respect to the first-mentioned control, for said trimmer operating means, and means pivotally connected to said second named operating means and to said first named operating means by a lost motion connection whereby, when the said main lifting flap means is lowered by actuation of said first-mentioned control said trimmers are automatically raised as a result of which the pitching moment resulting from the lowering of said main lifting flap means can be counteracted without it being necessary for the said control for the trimmer operating means to be actuated additionally.

2,474,586
REVERSIBLE HYDRAULIC COUPLING
Alf Lysholm, Stockholm, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, New York, N. Y., Leslie M. Merrill, Westfield, N. J., and Percy H. Batten, Racine, Wis., as trustees
Application August 25, 1943, Serial No. 500,007
5 Claims. (Cl. 60—54)



1. A hydraulic power transmitter of the closed circuit type comprising a primary member providing pump blades arranged to discharge fluid substantially radially and having cambered nose portions bent in the direction of pump rotation, a secondary member providing turbine blades arranged to discharge fluid substantially radially and a reversing member providing reversing guide blades, said reversing member being movable to shift said reversing blades from a position in the circuit between the outlet side of the pump blades and the inlet side of the turbine blades to a position outside of the circuit, said pump and turbine blades constituting the only blading in the circuit when said reversing blades are withdrawn therefrom.

2,474,587
CONCRETE FORM BOARD FASTENER
Vincent H. Moore, Salinas, Calif.
Application October 12, 1945, Serial No. 621,907
2 Claims. (Cl. 25—131)



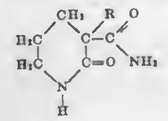
1. A concrete form board fastener for securing adjacent pairs of boards of one side of a wall form against a supporting member, said fastener comprising a strip, a nail carried by said strip at one end of the latter in a position extending transversely of the length of said strip but in the plane of the latter with the head of said nail adjacent one of the longitudinally extending edges of said strip, the opposite end of said strip being bent in direction transversely of the plane of said strip for engaging one of the laterally directed surfaces of the boards of each such adjacent pair when said opposite end is disposed flat between said boards, the portion of said strip adjacent said head being cut away to reduce the width of said strip to facilitate engaging the head of said nail by the claws of a hammer.

2,474,588
ALCOHOL PROCESS
Charles E. Morrell, Westfield, and Richard F. Robey, Cranford, N. J., assignors, by mesne assignments, to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 31, 1945, Serial No. 638,588
7 Claims. (Cl. 260—639)

1. An improved method of manufacturing ethyl alcohol which comprises contacting a hydrocarbon mixture containing ethylene with 95–100% H_2SO_4 on a hydrocarbon-free basis, at 60–100° C. and a pressure of 300–500 pounds per square inch gauge to produce an acid extract containing 1.0–1.3 mols of ethylene per mol of H_2SO_4, then contacting said extract with a hydrocarbon mixture containing ethylene for 1–3 hours at a temperature of 80–110° C. and a pressure of 300–500 pounds per square inch gauge to produce an extract containing at least 1.4 mols of ethylene per mol of H_2SO_4 and hydrolyzing the last named extract with water to produce ethyl alcohol.

2,474,589
SUBSTITUTED 3-CARBAMYL-2-PIPERIDONES AND METHOD FOR PREPARING THEM
Glen H. Morey, Terre Haute, Ind., assignor to Commercial Solvents Corporation, county of Vigo, Ind., a corporation of Maryland
No Drawing. Application March 5, 1945, Serial No. 581,183
4 Claims. (Cl. 260—294)

1. As new compositions of matter 3-carbamyl-2-piperidones having the following general formula:



wherein R is a member selected from the group consisting of alkyl and aralkyl.

2,474,590
PROCESS FOR PREPARING 1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE
Glen H. Morey, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application November 16, 1945, Serial No. 629,197
4 Claims. (Cl. 260—648)

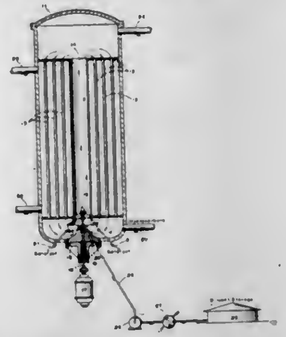
1. In a process for preparing 1,2,3,4,5,6-hexachlorocyclohexane, the steps which comprise preparing a two liquid layer system consisting of an aqueous lower layer and an upper benzene layer, said lower layer containing a mixture of a soluble base and an inert water soluble salt in an amount sufficient to render the specific gravity of the said aqueous lower layer at least as high as that of the chlorinated benzene produced in the reaction, and passing a stream of chlorine into said lower layer to react at the interface with said benzene layer.

2,474,591
NUTCRACKER
Donald H. Murph, Dallas, Tex.
Application April 1, 1946, Serial No. 658,786
3 Claims. (Cl. 146—13)



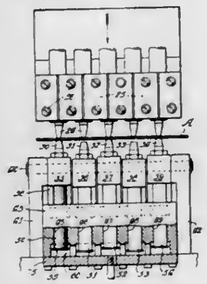
1. A nut shell cracker comprising a base having a concave receptacle affixed thereon, a U-shaped frame affixed adjacent an end of said base and perpendicular thereto, having slots in the sides thereof and rectilinear perforations in the face thereof, a perpendicularly adjustable unit slidable within said frame, having extrusions for slidable engagement within said slots and being a guide for said unit, and additional extrusions capable of rigid engagement within said rectilinear perforations, means for sustaining said adjustable unit in rigid proximity with said frame, a pivoting means laterally of said adjustable unit and extending through said slots in the sides of said frames and being an additional guide for said unit, a lever pivoted on said pivoting means, capable of vertical movement, and a concave receptacle affixed subjacent thereto for reciprocal action with said receptacle affixed to said base.

2,474,592
POLYMERIZATION OF ISOBUTYLENE WITH A DIOLEFIN
Frederick A. Palmer, Wooster, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 5, 1944, Serial No. 534,366
3 Claims. (Cl. 260—85.3)



3. In a method for polymerizing liquefied isobutylene with a liquefied diolefin under conditions to form a rubber-like polymer in a reaction zone in which the isobutylene and diolefin are agitated by mechanical means carried on a rotating shaft immersed in said liquids, the improvement which comprises flowing a stream of refrigerated liquid diluent into said reaction zone longitudinally along that portion of said shaft which is immersed in said liquids.

2,474,593
MULTIPOINT SPOT WELDING MECHANISM
Henry B. Putnam, Muskegon Heights, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application September 18, 1947, Serial No. 774,726
8 Claims. (Cl. 219—4)



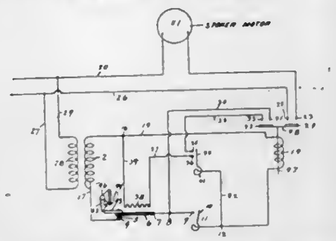
1. A multi-point spot welding mechanism comprising a support frame having means adaptable to carry an upper platen for movement in a vertical plane, a plurality of upper electrodes operatively and adjustably carried by said platen, a plurality of lower electrodes each operatively carried by an arm individually and pivotally associated with said support frame, and hydraulic means including a viscous liquid and pistons operatively associated with said lower electrodes and adaptable to provide equalizing pressure to said lower electrodes individually, thereby causing the necessary pressure contact between the respective upper and lower electrodes at the time of weld.

2,474,594
COMBINED ELECTRIC FAN AND ELECTRIC HEATER ASSEMBLY
John T. Rausch and George Towne, Danville, Ill.
Application November 2, 1946, Serial No. 707,472
7 Claims. (Cl. 219—39)



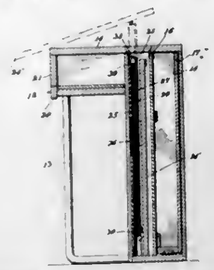
1. A heater, fan and table assembly comprising a table having a top and supporting legs, an electric motor attached to the under surface of said top and depending therefrom, an air deflector in the general form of an inverted cone secured to the undersurface of said top and covering said motor, a shaft of said motor extending downwardly through said air deflector, a fan mounted on the lower end of said shaft and arranged to direct air upwardly against said deflector, an electric heating unit positioned below said fan and a support for said heating unit secured to said legs.

2,474,595
CONTROL FOR ELECTRIC MOTORS
Max C. Richardson, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application October 10, 1944, Serial No. 558,044
3 Claims. (Cl. 318—471)



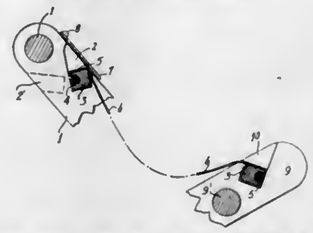
1. The combination in a motor control system of a motor circuit, an energizing circuit, holding circuit, and a de-energizing circuit, said motor circuit comprising in series, electric supply lines, an electromagnetic motor starting switch and said motor, said energizing circuit comprising in series a source of electric power, the operating coil of said electromagnetic motor starting switch, a circuit opening means and a circuit closing means, said holding circuit being in parallel with said circuit closing means and comprising in series means for opening said holding circuit when said energizing circuit is opened and means for de-energizing said motor in response to a condition when said circuit closing means is open, said de-energizing circuit being in parallel with the operating coil of said electromagnetic switch and comprising in series a time delay means for operating said circuit opening means and means for opening said de-energizing circuit in response to a condition.

2,474,596
DESK AND TABLE COMBINATION
August Schomburg, New York, N. Y.
Application July 13, 1946, Serial No. 683,368
6 Claims. (Cl. 45—70)



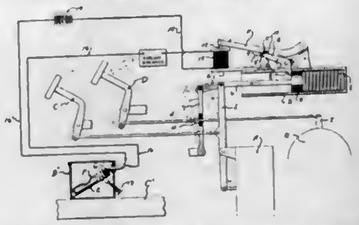
1. In a device of the class indicated, a desk structure having an upright, hollow floor-supported rear portion and a forwardly directed hollow extension integral with the rear portion and being spaced from the floor, a pair of spaced supporting members for the extension depending from the latter and having rearwardly directed continuations adapted to rest upon the floor, and a drawing board operatively mounted within and movable relative to said rear portion and being adapted to swing into contacting position with said hollow extension, and an adjusting mechanism for the drawing board provided in said rear portion.

2,474,597
EASY CHAIR
Shimon Shwarzowsky, Tel Aviv, Palestine
Application February 11, 1947, Serial No. 727,919
In Palestine February 25, 1946
1 Claim. (Cl. 155—119)



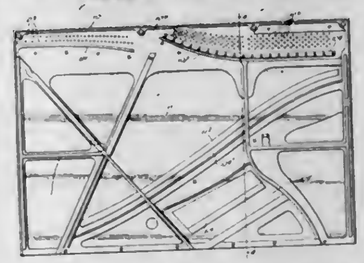
In an easy chair of the type having a frame composed of longitudinal bars connected by fixed bars extending across the opposed faces, and a canvas extending from the top of the back to the front of the seat, slots partially incised in at least two longitudinal bars, each of said slots having side walls and a bottom wall forming seats in the face and an entrance opening in an edge of the longitudinal bar, and an additional cross-bar joined to said longitudinal bars, the opposed ends of which are conformingly shaped to the slots to prevent rotation and slidably mounted through the entrance opening into engagement with the said seats, said cross-bar having a longitudinal groove and a rod having a canvas sheathed therein in said groove, the free ends of said rod extending into said slots in engagement with one of said seats for non-rotationally holding said cross-bar and rod in said slots while holding the canvas in the groove of the cross-bar.

2,474,598
AUTOMATIC BRAKE SETTING AND CLUTCH RELEASE CONTROL MECHANISM FOR TRACTORS
Melvin J. Smies, Sheboygan, Wis.
Application October 18, 1947, Serial No. 780,716
1 Claim. (Cl. 180—82)



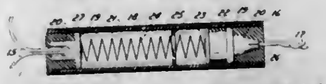
In a tractor having a manually controlled lever actuated clutch and a manually controlled lever actuated brake; automatic means for throwing out the clutch and setting the brake when the tractor assumes a predetermined angle, comprising a housing, a piston reciprocatively mounted in the housing, a compressible coil spring interposed between the piston and housing end, a trigger for locking the piston when the same is under its spring tension, a rock arm and an actuating lever connected to the piston and the manually controlled clutch and brake levers, a magnet for releasing the trigger, an electric circuit connecting the magnet and an angularly disposed mercury switch in the electric circuit for normally breaking the circuit, when the tractor is at a safe longitudinally disposed angle, the mercury switch being adapted to close the circuit when the tractor is tilted rearwardly at an abnormal angle, whereby the tractor brake and clutch are set.

2,474,599
PIANO CONSTRUCTION
George H. Stapely, South Haven, Mich., assignor to Everett Piano Company, a corporation of Illinois
Application September 25, 1944, Serial No. 555,695
6 Claims. (Cl. 84—186)



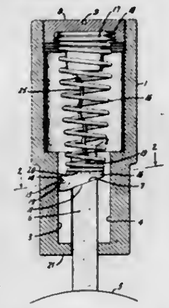
1. A piano of the character described, including: a metal plate; strings connected to the front of the plate; a wrest plank connected to the back of the plate at the top thereof; webbed metal back posts, each post having its top portion connected to the top of the wrest plank, an intermediate portion fulcruming at the lower back corner of the wrest plank, and a bottom portion tending to move backward under pull of the strings; and means to fasten each said bottom portion against backward movement.

2,474,600
SHUNT CONTROL UNIT
John L. Stender and John I. Stender, Erie, Mich.
Application November 25, 1947, Serial No. 787,896
4 Claims. (Cl. 200—118)



3. A shunt control unit embodying a tubular insulation housing, a pair of terminals providing two conductor contacts exterior of and spaced apart by the housing, insulation sealing means anchoring the terminals to provide air-tight closure for a chamber provided in the housing between the terminals, an insulation spacing ring adjacent one terminal, a fusible disk spaced from said one terminal by the ring, and a spring extending from the other terminal and under compression in said insulation chamber to hold the disk against the ring and toward the one terminal, said spring being an electrical conductor adapted to coact for flash-fusing of the disk and thereby connecting the terminals in converting the unit into a negligible resistance conductor.

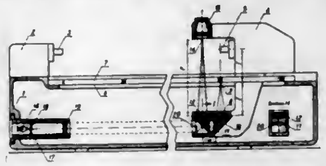
2,474,601
BRUSH MECHANISM
Charles A. Thomas, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application March 19, 1948, Serial No. 15,781
10 Claims. (Cl. 171—323)



1. In combination, a brush holder tube of the cartridge type having a longitudinal slot formed therein with a longitudinal groove in the leading and trailing sides of said slot, a current collector contact brush member arranged for longitudinal movement in said slot for contacting a current collector and having an angular surface remote from said current collector, means on the end of said brush holder tube remote from said current collector adapted to close said slot, a brush engaging member formed of conductive material in said slot arranged in sliding engagement with said angular surface of said brush member and having a portion arranged in engagement with a side of one of said grooves, and a spring member in said slot held in compression between said closure means said engaging member and exerting a force thereon, said engaging member in cooperation with said angular surface and said side of said one groove providing a component of the force exerted by said spring member parallel with the axis of said tube member for resiliently urging said brush member against said current collector and another component of said force at right angles to said axis for biasing said brush member against the side of said slot opposite said one groove for preventing chattering.

2,474,602
LENGTH MEASURING MACHINE HAVING LENS AND REFLECTOR MEANS
Fernand Turrettini, Bellevue-Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a Swiss firm
Application December 18, 1947, Serial No. 792,437
In Switzerland April 28, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 28, 1965
1 Claim. (Cl. 88—1)

An optical end measuring machine comprising in combination, a frame, a guideway on said frame, a movable slide on said guideway, a first length measuring anvil at one end of said frame, a second length measuring anvil on said slide facing said first anvil, an ocular on said slide, a graduated scale in said guideway, a collimating lens on said slide focussed on said scale, an objective having its focus in the image plane of the ocular, a reticle and a source of light at said frame end, a light collimator in said frame focussed on said reticle, a first mirror on said slide in spaced relation with said collimating lens, a second mirror on said slide in spaced relation with said objective and light collimator, said first and second mirrors being positioned to reflect the light from said collimating lens through said objective and thence to the image plane of said



ocular, and a third mirror on said slide in spaced relation with said objective and collimating lens, said third mirror being positioned to reflect the light from said light collimator through said objective and thence to the image plane of said ocular, whereby said ocular enables simultaneous observation of an image of said scale and of an image of said reticle, the latter serving as a guiding mark for the former.

2,474,603
INHIBITION OF CORROSION IN WELLS
Prentiss S. Viles and Elza Q. Camp, Goose Creek, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application December 20, 1946, Serial No. 717,614
8 Claims. (Cl. 252—8.55)
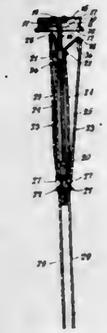
1. In the production of corrosive fluid having an acid reaction including carbon dioxide from a subsurface formation wherein the fluid being produced is brought into contact with ferrous metal, the step of introducing a corrosion inhibiting amount of butyl mercaptan into the corrosive liquid.

2,474,604
RUST-PREVENTING COMPOUNDS
Jones I. Wasson and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 11, 1947, Serial No. 754,085
6 Claims. (Cl. 252—48.6)

2. A composition of the character described consisting essentially of a mineral oil containing 0.01 to 0.1% by weight of an alkyl thioether of a C_2 to C_4 saturated fatty acid wherein the etherifying radical is attached to a carbon atom outside the carboxyl group in said acid, said alkyl radical containing 10 to 24 carbon atoms and 0.01 to 5% of a C_{12} to C_{22} fatty acid ester of a polyhydric alcohol having from 12 to 80 carbon atoms.

2,474,605
LIQUID DIFFUSER
William H. Wheeler, New York, N. Y., and Leonard B. Wamnes, Aberdeen, Miss., assignors to Airkem, Inc., New York, N. Y., a corporation of New York
Application October 26, 1948, Serial No. 56,648
14 Claims. (Cl. 299—20)

1. A liquid diffuser comprising, in combination, a vessel having a mouth of a certain cross-sectional area, elongated stem means extending down through the mouth into said vessel, a pair of anchoring means on said stem means located a certain distance apart, and a strip of wicking anchored to said stem means at spaced points by said pair of anchoring means with the length of said strip between said pair of anchoring means being appreciably longer than the distance be-



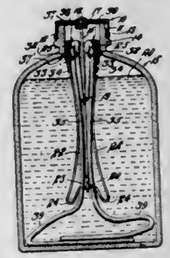
tween the latter to provide a loop of wicking capable of being flared laterally exteriorly of the vessel mouth when said stem means is partially withdrawn from the latter, said stem means and wicking loop constituting parts of a diffuser assembly of such configuration and bulk as to be self-supporting in the vessel mouth when withdrawn to a diffusing position.

2,474,606
WICK-SUPPORTING DEVICE
Constant E. Nicolet, Westport, Conn., assignor, by mesne assignments, to Airkem, Inc., New York, N. Y., a corporation of New York
Application June 26, 1945, Serial No. 601,638
5 Claims. (Cl. 299—20)



1. In a wick and a supporting device therefor, the combination of an elongated plate, hook portions struck outwardly from the plate adjacent opposite ends thereof on each side of the plate, and wick portions supported at their upper ends on each side of the plate by such hook portions, each wick portion comprising a length of wick-forming material folded at substantially its center to form a wick portion of double thickness, the inner fold carrying an eyelet adjacent its upper end, both folds carrying an eyelet at a point spaced from its lower end, the upper and lower eyelets, when the wick portions are free from tension, being spaced apart a distance less than the distance between the upper and lower hook portions on each side of the plate, such hook portions passing through such eyelets and supporting a wick portion on each side of the plate while under tension between such eyelets, the wick portions being of sufficient cross-sectional area to support the wick assembly in elevated position through frictional contact between the wick and the neck of the vessel, the lower terminals of the wick portions being of sufficient length to project into the fluid when the wick assembly is in such elevated position.

2,474,607
LIQUID DIFFUSER
William H. Wheeler, New York, and Leonard B. Wamnes, White Plains, N. Y., assignors to Airkem, Inc., New York, N. Y., a corporation of New York
Application June 13, 1946, Serial No. 676,521
14 Claims. (Cl. 299—20)

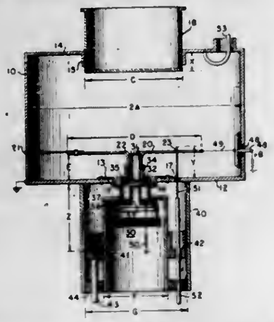


1. A liquid diffuser comprising, in combination, a vessel having a mouth, elongated stem means extending down through the mouth into said vessel, upper and lower anchoring means on said stem means located a certain longitudinal distance apart, a length of wicking anchored to said stem means on one side thereof by said upper and lower anchoring means appreciably longer than the distance between said anchoring means to provide a loop, and flaring means connected at a lower portion thereof to said stem means and having a free upper portion spring-biased laterally away from said stem means and engaging said wicking loop to flare the latter laterally away from said stem means when said upper free flaring portion is permitted to move laterally away from said stem means above the vessel mouth upon withdrawal of said stem means.

2,474,608
ULTRA-SHORT-WAVE SIGNAL-TRANSLATING DEVICE
Harold A. Wheeler, Great Neck, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application November 30, 1944, Serial No. 565,828
3 Claims. (Cl. 315—39)

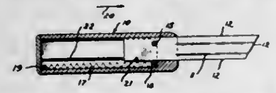
1. An ultra-short-wave signal-translating device comprising, a cavity resonator having an aperture in one wall thereof and having a particular fundamental mode of resonance, conductive means disposed within said resonator in an equipotential plane for coupling an electron-discharge device thereto while preserving said fundamental mode of resonance and spaced from said one wall by a substantial fraction of the distance to the opposite wall of said resonator, an electron-discharge device having spaced anode-electrode,

cathode-electrode and control-electrode structures and projecting through said aperture with a first one and a second one of said electrode structures connected respectively to said one wall of said resonator and to said conductive means while the third one of said electrode structures is external to said resonator, means external to said



resonator coupling said first and third electrode structures, and a short-wave choke projecting into said resonator, connected to said conductive means and disposed in said equipotential plane for applying an excitation potential to said electron-discharge device through said conductive means.

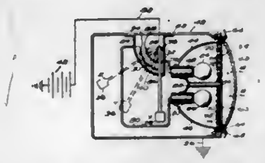
2,474,609
SAFETY KNIFE
Allen C. Wolf, Atlanta, Ga., assignor of one-third to Albert Irvin Jackson, Whitmire, S. C., and one-third to Alton Jerrell Ingrom, Atlanta, Ga.
Application March 7, 1946, Serial No. 652,591
3 Claims. (Cl. 30—162)



1. A safety knife comprising in combination, a sheath formed with an opening in one end thereof, a slidable blade in said sheath, said blade being projectible and retractible through said opening, a push-button on said blade, said sheath having in one side thereof a longitudinally extending slot, said button slidably engaging said slot and protruding therethrough, a coiled tension spring in said sheath and disposed on one side of the blade, an eye on said blade and a further eye in the closed end of said sheath, said spring extending between said eyes and normally urging said blade into the retracted position, and means to prevent the blade from entering the space occupied by said spring.

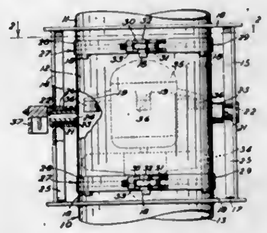
2,474,610
QUANTITATIVE DECELERATION INDICATOR
Elton P. Wunsch, Providence, R. I.
Application May 29, 1945, Serial No. 596,480
6 Claims. (Cl. 177—311.5)

1. A quantitative deceleration indicator, comprising two light sources, means to project different colored rays from each of said light sources in the same direction whereby each light source may indicate opposite extremes of deceleration, means to continuously blend and diffuse said projected rays in said direction, and means responsive to the rate of deceleration for inversely varying the intensity of each light source from a min-



imum up to a maximum amount of deceleration whereby the blended rays successively transmitted from said indicator may indicate quantitative rates of deceleration.

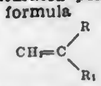
2,474,611
MOUNTING OF FAN UNITS IN VENTILATING SHAFTS
Thomas Wylie, Twickenham, England
Application October 21, 1946, Serial No. 704,698
In Great Britain April 23, 1946
6 Claims. (Cl. 230—42)



1. A ventilating system including a ventilating shaft comprising an intermediate portion and adjacent portions two side plates connected by apertured top and bottom plates within which the adjacent portions of the shaft are secured, a stud shaft projecting inwardly from each side plate towards the intermediate portion of the ventilating shaft, and diagonal ribs on each side plate meeting in a central bush surrounding the corresponding stud shaft.

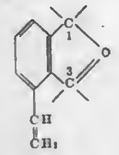
2,474,612
COPOLYMERS OF VINYL ISO-COUMARANS WITH ETHYLENICALLY UNSATURATED COMPOUNDS AND PROCESS FOR OBTAINING SAME
Arthur L. Barney, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 19, 1946, Serial No. 697,900
7 Claims. (Cl. 260—80.3)

1. A copolymer comprising the copolymerization product of a vinyl isocoumaran and an ethylenically unsaturated polymerizable organic compound of the formula



in which R is selected from the group consisting of hydrogen and hydrocarbon radicals,

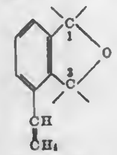
and R_1 is a non-ionic radical which exerts, when attached to a benzene nucleus, a positive electrostatic polarizing force of from +0.32 to +2.21 on the adjacent carbon to carbon double bond, said copolymer containing, by weight of said vinyl isocoumaran and ethylenically unsaturated compound, from 1% to 50% of said vinyl isocoumaran, said vinyl isocoumaran being of the formula



wherein the two valences of each of carbon atoms at positions 1 and 3 are satisfied by substituents selected from the group consisting of hydrogen and hydrocarbon radicals consisting of monovalent alkyl radicals, monovalent aryl radicals, and divalent polymethylene radicals having a chain of four to five carbon atoms, not more than one of said substituents being hydrogen, the valences of carbon atoms at positions 1 and 3, when satisfied by a polymethylene radical, being attached to the terminal carbon atoms by a divalent polymethylene radical having a chain of four to five carbon atoms to form a polymethylene ring of five to six carbon atoms.

2,474,613
COPOLYMERS OF VINYL ISOCOUMARANS WITH STYRENES AND PROCESS FOR OBTAINING SAME
Arthur L. Barney, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 19, 1946, Serial No. 697,901
7 Claims. (Cl. 260—74)

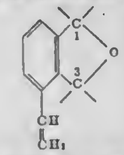
1. A copolymer comprising the copolymerization product of a vinyl isocoumaran and a substance selected from the group consisting of styrene and halogenated styrenes, said copolymer containing, by weight of said vinyl isocoumaran and said substance, from 2% to 50% of said vinyl isocoumaran, said vinyl isocoumaran being of the formula



wherein the two valences of each of carbon atoms at positions 1 and 3 are satisfied by substituents selected from the group consisting of hydrogen and hydrocarbon radicals consisting of monovalent alkyl radicals, monovalent aryl radicals, and divalent polymethylene radicals having a chain of four to five carbon atoms, not more than one of said substituents being hydrogen, the valences of carbon atoms at positions 1 and 3, when satisfied by a polymethylene radical, being attached to the terminal carbon atoms of a divalent polymethylene radical having a chain of four to five carbon atoms to form a polymethylene ring of five to six carbon atoms.

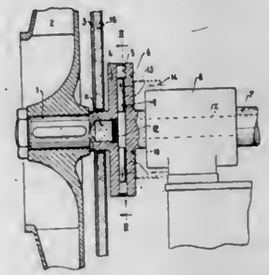
2,474,614
COPOLYMERS OF VINYL ISOCOUMARANS WITH 1,3-DIENES AND PROCESS FOR OBTAINING SAME
Arthur L. Barney, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 19, 1946, Serial No. 697,902
12 Claims. (Cl. 260—86.5)

1. A copolymer comprising the copolymerization product of a vinyl isocoumaran and a 1,3-diene, said co-polymer containing, by weight of said vinyl isocoumaran and said diene from 5% to 95% of said vinyl isocoumaran, said vinyl isocoumaran being of the formula



wherein the two valences of each of carbon atoms at positions 1 and 3 are satisfied by substituents selected from the group consisting of hydrogen and hydrocarbon radicals consisting of monovalent alkyl radicals, monovalent aryl radicals, and divalent polymethylene radicals having a chain of four to five carbon atoms, not more than one of said substituents being hydrogen, the valences of carbon atoms at positions 1 and 3, when satisfied by a polymethylene radical, being attached to the terminal carbon atoms of a divalent polymethylene radical having a chain of four to five carbon atoms to form a polymethylene ring of five to six carbon atoms.

2,474,615
COUPLING COOLING
Jan C. Busquet, Hengelo, Netherlands, assignor to Machinefabriek Gebr. Stork & Co. N. V., Hengelo, Netherlands, a company of the Netherlands
Application June 5, 1946, Serial No. 674,561
In the Netherlands July 27, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 27, 1964
6 Claims. (Cl. 287—129)

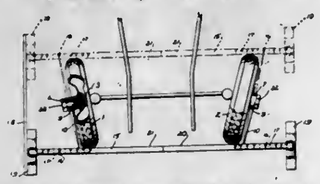


1. A coupling of low heat conductivity between two spaced axially aligned rotating shafts comprising: two spaced parallel discs mounted on adjacent ends of said shafts, one of said discs having an aperture therein to permit the flow of a fluid through said aperture, and means to connect said discs at spaced intervals near their

2,474,622

peripheries whereby a cooling fluid may flow through said aperture and between said discs to cool said means.

2,474,616
TOE GAUGE
Biagis Castiglia, New York, N. Y., assignor to Wheel Aligning Necessities, Inc., New York, N. Y., a corporation of New York
Application July 25, 1947, Serial No. 763,632
9 Claims. (Cl. 33—203.21)



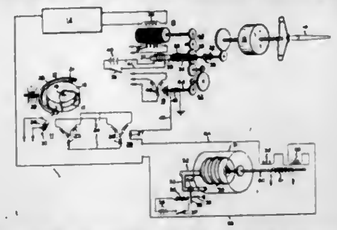
2. In a toe gauge for vehicle wheels, a scale bar and scales movable to or from the front or back of said wheels, pointers and means rotatably securing said pointers to abut the faced ends of the hubs of the wheels, whereby said pointers may be swung to register with said scales at the front or rear and to swing on a plane perpendicular to the axes of rotation of said wheels.

2,474,617
MANUFACTURE OF ARTIFICIAL FIBERS
Edward Terry Cline, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 3, 1947, Serial No. 720,099
5 Claims. (Cl. 18—54)

1. In the process for manufacture of filaments, fibers and like structures from a synthetic linear hydroxylated polymer wherein an aqueous solution of from 5% to 30% by weight of said polymer is coagulated in an aqueous solution of an inorganic salt, the improvement which comprises drawing the wet spun filaments at least twice their initial length under a tension which orients the filaments to an extent such that they do not stick together after washing with water alone and drying, holding the drawn filaments under tension at least twice their original length and while the filaments are so held washing them to remove said salt with an aqueous wash which consists essentially of water and which causes swelling of the filaments in their undrawn and unoriented state, and then drying the filaments while so held, said hydroxylated polymer having at least one alcoholic hydroxyl group per 2.5 carbon and not more than one hydroxyl per two carbons of the polymeric chain.

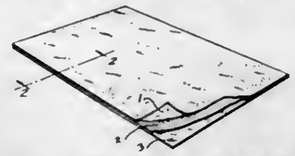
2,474,618
ALTITUDE CONTROL
Richard L. Divoll, Maywood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application April 8, 1946, Serial No. 660,342
15 Claims. (Cl. 318—481)

15. In an automatic pilot for aircraft having a movable control surface and a servomotor for operating said surface, altitude responsive means for governing the operation of the motor to maintain craft flight at a predetermined altitude level comprising a normally centered bellows normally opened on both of its sides to static pressure, means for closing one side of said bellows from communication with said pressure when said craft has attained a predetermined altitude level whereby changes in said pressure due to departure by the craft from the predetermined altitude level are communicated to the other side of said bellows whereby the latter expands or contracts, and an electrical device comprising a pair of stationary series opposed windings and



a normally centered movable winding inductively coupled therewith and connected for movement by said bellows longitudinally of said windings for developing a signal proportional to the amount of its displacement from a null position for governing operation of said motor to deflect said surface to return the craft to said predetermined altitude.

2,474,619
HEAT-SEALABLE SHEET MATERIAL
Robert A. Farrell and Charley L. Wagner, Menasha, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application January 22, 1944, Serial No. 519,391
10 Claims. (Cl. 154—50)

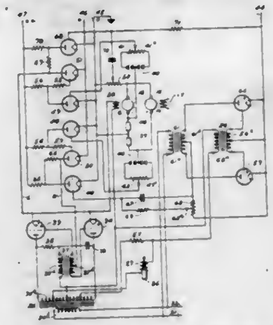


1. A heat-sealable packaging material comprising in adhered relation a relatively impermeable base sheet material and a relatively porous tissue sheet material adhered to said base sheet by an intermediate flexible thermoplastic adhesive film, said adhesive film being confined to the inner surface of the porous sheet and the outer exposed surface of said porous sheet being substantially unchanged from its original characteristics, said film being present in amount so that upon application of heat and pressure to selected areas of the sheet material said adhesive will migrate differentially through said porous sheet at said areas rather than through said base sheet material to generate an adhesive sealing film on the outer surface of said porous sheet.

2,474,620
COILING MACHINE CONTROLLER
Douglas W. Fath, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application April 12, 1947, Serial No. 741,085
7 Claims. (Cl. 242—75)

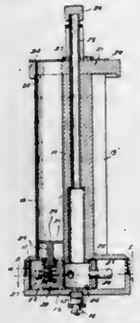
2. For use with a wire drawing machine having a reel for receiving and storing the drawn wire,

a motor in driving connection with the reel and a generator for supplying variable energy to said motor, the combination with electronic regulating means, including an impedance device responsive to the tension exerted upon the wire by the reel, for regulating the energy flow between said gen-



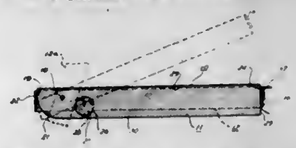
erator and said motor, said regulating means tending to vary said flow in excess of the variation required by said tension responsive means, of means responsive to said energy flow to check the effect of said regulating means substantially coincident with attainment of the required tension.

2,474,621
TOOTHBRUSH STERILIZER
Joseph Federico, Newark, N. J.
Application May 5, 1947, Serial No. 746,014
4 Claims. (Cl. 21—87)



1. A tooth brush sterilizer and retainer comprising a receptacle for containing a sterilizing medium, an upper part disposed above the receptacle, a cup shaped member enclosing the receptacle and connected to the upper part, tooth brush containers extending upwardly from the upper part, cylinders connected to the upper part and depending therefrom into the cup shaped base, conduit means connecting the cylinders with the receptacle so that sterilizing liquid may be communicated to the cylinders, plunger elements operable in the cylinders and adapted to be depressed by the tooth brushes when disposed in their containers whereby to cause the sterilizing liquid to be forced upwardly onto the brush and into the containers.

2,474,622
DEVICE FOR SHARPENING CUTLERY
William E. Fleming and Edward C. Fleming, Cedar Rapids, Iowa
Application November 26, 1948, Serial No. 62,104
3 Claims. (Cl. 51—187)



1. In a device for sharpening cutlery, a generally rectangular, block-like base, one end of the base being curved at the lower portion thereof and the opposite end being relieved at the upper edge thereof, the base having a transverse, cylindrical bore extending therethrough at a spaced distance from the bottom surface thereof, and having a narrow transverse slot extending upwardly therethrough, from the bottom surface of the base into the transverse bore, a roll of abrasive tape received in said bore with one end thereof extending downwardly through the slot, upwardly over the curved end of the base, lengthwise over the top surface and downwardly over the said opposite end thereof, a clamping member comprising a rectangular frame received over the base and adapted to bind the abrasive tape between the ends thereof and the end portions of the base, a pivot pin extending transversely through the base and clamping member adjacent the curved end of the base, the pivot pin being positioned a slightly greater distance from the curved end of the base than from the bottom surface thereof.

2,474,623
DEVICE FOR SHARPENING CUTLERY
William E. Fleming, Cedar Rapids, Iowa
Application February 7, 1948, Serial No. 6,914
5 Claims. (Cl. 51—187)

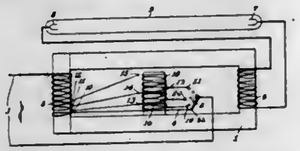


1. In a cutlery sharpening device, a base member, a top member hingedly attached thereto adjacent one end thereof, an abrasive tape tightener comprising a member rotatably mounted in the base member, positioned transversely thereof and engageable by the top member to be forced downwardly thereby, an abrasive tape having a portion thereof looped downwardly beneath the tightener, extending lengthwise over the upper surface of the top member and having portions thereof frictionally engaged between adjacent end portions of the top and base members adjacent opposite ends thereof.

2,474,624
COMPENSATED MAGNETIC-LEAKAGE-TYPE TRANSFORMER
William Foerste, Pelham Manor, N. Y.; Anna Kane, administratrix of said William Foerste, deceased, assignor of one-half to Eugene A. Quarrie, Scarsdale, N. Y.
Application January 14, 1946, Serial No. 641,134
4 Claims. (Cl. 323—44)

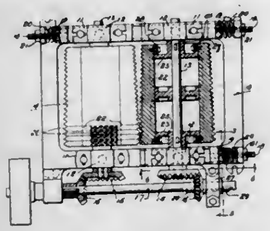
4. A magnetic leakage type transformer, comprising a closed magnetic core having a primary

winding with a plurality of taps intermediate its terminals, and a secondary winding; a variable reactor magnetically positioned between the primary and secondary windings and separated from said closed magnetic core by a non-magnetic gap for shunting from said secondary winding a portion of the flux generated by said primary winding, and including a coil thereon with taps equal in number to the said primary taps; a source of electrical energy supply, one lead thereof being



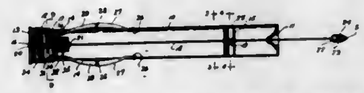
connected to one of the primary terminals; and switching means including a movable switch arm and switch points in number exceeding by one the number of taps, one of the points being connected with the other terminal of the primary winding and the remaining points with one terminal of the respective reactor coil portions, the other terminal of the coil portions being connected respectively with the primary winding taps, and the switch arm with the other lead of the source of power.

2,474,625
OPPOSED-ROLL CRUSHER WITH INTERLOCKING TEETH OF GRADUATED HEIGHTS
Theron G. Gerow, Chicago, Ill.
Application May 14, 1945, Serial No. 593,657
2 Claims. (Cl. 241—234)



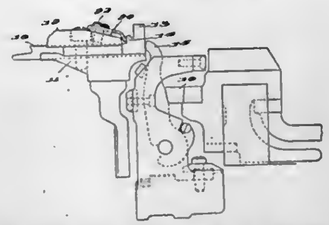
1. A roll crusher for coal comprising a frame, two pairs of spaced bearing supports mounted on said frame with three of said supports slidably adjustable on said frame and the other of said supports fixed to said frame, bearings mounted on said supports, a pair of shafts rotatably mounted on opposite bearings, a roller rotatably carried by each of said shafts, said rollers positioned opposite each other, and spaced relative to each other as desired, by the slidable adjustment of said slidably mounted bearing supports, said rollers having interlocking teeth graduated from the highest at one end to the lowest at the other end, with the largest tooth of one roller opposite the largest tooth of the other roller, the smallest tooth of one roller opposite the smallest tooth of the other roller and the intermediate teeth of graduate sizes of one roller opposite the intermediary teeth of corresponding sizes of the other roller, said rollers adapted to crush coal with said teeth to produce coal having some pieces of desired maximum size with other pieces of a smaller size to produce an aggregate having mixed different sizes for maximum burning efficiency.

2,474,626
SPRING-DRIVEN SCREW DRIVER
Alfred Gunning, Houston, Tex.
Application March 2, 1946, Serial No. 651,535
1 Claim. (Cl. 145—50)



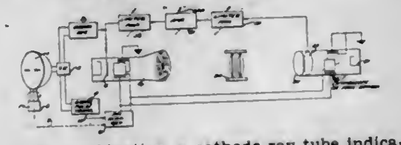
In a spring driven screw driver, an elongated hollow handle having a pair of opposed elongated longitudinal slots opening therethrough, a shaft extending longitudinally through the handle, said shaft being mounted to rotate about its longitudinal axis and being held against longitudinal movement relative to the handle, a screw driver bit carried by the shaft, a drive spring within the handle, said drive spring being connected to the shaft and to the handle for imparting rotary motion to the shaft, a rotary clutch collar fixed to the shaft within the handle, a slidable clutch collar surrounding and rotatable with respect to the shaft adjacent the rotary clutch collar, means carried by the handle to hold the slidable clutch collar against rotation relative to the handle, a clutch spring within the handle, said clutch spring bearing on the handle and on the slidable clutch collar to urge said slidable clutch collar to move longitudinally of the shaft and into frictional engagement with the rotary collar, a pair of opposed toggle action hand grips carried by the handle, said hand grips bowing outwardly through the opposed slots, and shoes carried by the hand grips and bearing on the slidable clutch collar in opposed relation to the clutch spring whereby pressure on the hand grips will move the slidable clutch collar against the effort of the clutch spring and out of engagement with the rotary clutch collar.

2,474,627
SHOCK-DAMPING VERGE PLATE
Kenneth Howle, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a corporation of Pennsylvania
Application July 30, 1947, Serial No. 764,853
14 Claims. (Cl. 66—110)



1. A verge plate comprising a longitudinally-extending body portion having a longitudinal striking edge of hard material and having a longitudinally-extending groove behind its striking edge imparting springiness to said striking edge, and a rubber-like vibration damping insert positioned in said groove.

2,474,628
INDICATOR
Hyman Hurvitz, Washington, D. C.
Application May 20, 1948, Serial No. 28,222
8 Claims. (Cl. 315—9)



1. In combination, a cathode ray tube indicator having electron beam generating electrodes, electron beam deflecting electrodes, an electron beam intensity control electrode, and a fluorescent screen for providing visual indications in response to variations of intensity of said electron beam, during deflection thereof, and means responsive to said visual indications for regenerating said visual indications on said cathode ray tube indicator.

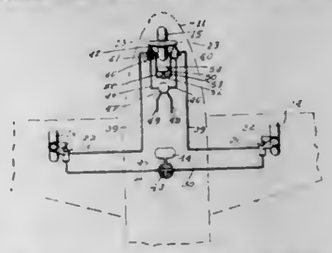
2,474,629
FASTENING MEANS FOR TROUSERS AND OTHER GARMENTS
Marcus Manly Isaacs, Sydney, New South Wales, Australia
Application January 10, 1946, Serial No. 640,210
In Australia January 11, 1945
4 Claims. (Cl. 2—237)



1. Fastening means for a garment having opposed flaps, including two pouches each having a closed bottom and an open mouth, said pouches being provided for securement to the opposed flaps of said garment with the open mouths oppositely and outwardly directed, a hook member, and an eye member, each of said members having a base formed with a tongue arranged in spaced juxtaposition to the base, said tongues being positioned outside said pouches and extending with their free ends toward each other when said bases are loosely inserted into said pouches, the hook member having its tongue provided with a hook adapted to engage an eye provided on the tongue of said eye member, said base members having a transverse width and end contour conforming to the width and bottom contour of the pouches, said base members being urged into engagement with the bottom of their respective pouches when said hook and eye are operatively connected with each other.

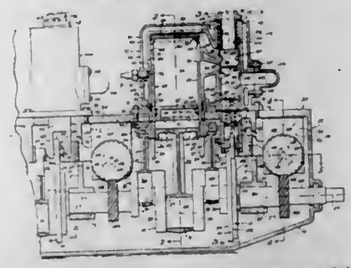
2,474,630
CONTROL MEANS FOR AIRPLANE LANDING GEAR FOR LANDING CROSS WIND
Charles R. Jamison, Morgantown, W. Va.
Application March 3, 1947, Serial No. 731,923
10 Claims. (Cl. 244—50)

1. Airplane landing gear, comprising laterally spaced main caster landing wheels, a caster nose wheel positioned forwardly of the landing wheels, a closed fluid line, two elements connected in series in the fluid line, each adjacent to a landing wheel and movable by movement of fluid in either direction in the line, means coupling each element with the adjacent landing wheel for movement with the castering movement of the adjacent wheel, a pair of elements connected in series in the fluid line adjacent to and on opposite sides of the nose wheel, means coupling the



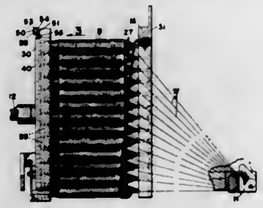
last mentioned elements with the adjacent sides of the nose wheel for movement synchronously in the fluid line with castering movements of the nose wheel, and means interposed between the last mentioned elements for increasing the fluid pressure between and selectively against the last mentioned elements.

2,474,631
INTERNAL-COMBUSTION ENGINE
Cleveland H. Jelley, Detroit, Mich.
Application June 27, 1946, Serial No. 679,659
9 Claims. (Cl. 123—50)



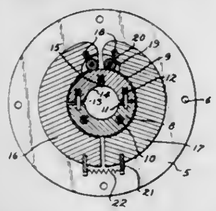
3. An internal combustion engine comprising a cylinder, a shaft, an outer piston reciprocable in said cylinder and having a longitudinal bore forming a combustion chamber, an inner piston reciprocable in said bore, said cylinder having a pre-compression chamber disposed outwardly of said outer cylinder, motion-converting mechanism operatively interconnecting said pistons and said shaft and arranged to convert the reciprocatory motions of said pistons into rotary motion of said shaft, a valve device having portions thereof arranged to control ports in said cylinder for supplying fuel to said combustion chamber and also for discharging the products of combustion of said fuel from said combustion chamber, a cam follower connected to said valve device, a cam device operatively connected to said shaft and having a plurality of adjacently disposed cam paths with portions thereof on the same level, and mechanism operable in timed relationship with said shaft for shifting said cam follower from one path to the other path, said motion-converting mechanism including a crank portion with a cheek on said shaft, and said cam paths being disposed on said cheek.

2,474,632
BOBBIN RETAINER FOR WEFT REPLENISHING MECHANISMS
Alexander C. Krukonis, Auburn, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application July 30, 1948, Serial No. 41,617
6 Claims. (Cl. 139—245)



1. In a reserve bobbin magazine having a wall forming part of a bobbin guideway in which reserve bobbins are stored, a bobbin stop secured to the wall at the top of the guideway and having a resilient arm normally inclined downwardly and away from the wall and overhanging part of a bobbin thereunder in the guideway, said arm being deflectable toward said wall by a bobbin being inserted into the guideway from above the latter, and said arm due to the resilience thereof returning to the normal position thereof.

2,474,633
AUTOMATIC LATHE CHUCK
James F. Marshall, Newton, Iowa
Application July 10, 1946, Serial No. 682,496
2 Claims. (Cl. 279—106)



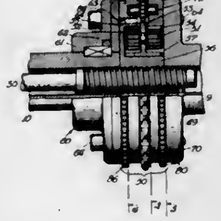
1. A lathe chuck comprising an attaching member, a pair of semi-circular jaws carried by said member, one jaw being fixed thereon and the other being movable toward the fixed jaw, a pair of rollers upon opposite sides of the transverse center of the movable jaw, and means responsive to centrifugal action to move said rollers circumferentially of the movable jaw tangentially thereof for moving the movable jaw toward the fixed jaw.

2,474,634
SURGICAL SPLINT FOR SMALL ANIMALS
Carl T. Mason, Little Rock, Ark.
Application March 30, 1948, Serial No. 17,975
1 Claim. (Cl. 128—89)

For use in a cast, a splint including a longitudinal section having arcuate walls and an integral dished portion, said dished portion adapted to accommodate the foot of an animal and the longitudinal section adapted to partially encircle a leg of an animal, the dished portion being disposed at an angle relative to the axis of the longitudinal section.



2,474,635
VARIABLE PITCH PROPELLER
Harry J. Nichols, New York, N. Y.
Application August 18, 1943, Serial No. 499,134
8 Claims. (Cl. 170—160.35)

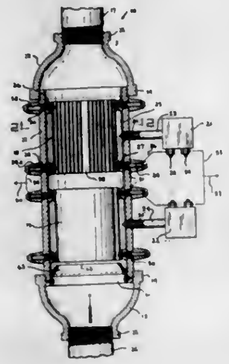


1. In mechanical operating mechanism for a variable pitch propeller mounted on a hollow propeller shaft driven by a drive shaft, combined coupling and pitch varying means including a ring member and a flange associated with a drive shaft and a second ring member and a flange associated with the propeller shaft, a plurality of bolts clamping said rings and flanges together so as to transmit driving torque from shaft to shaft, and planetary differential gearing housed within said ring members and flanges including a stationary gear forming part of one of the aforesaid rings, a rotary wheel carrying a plurality of planetary pinions meshing with said stationary gear and driven by transmission gearing external thereto, and a driven gear meshing with said planetary pinions whose hub constitutes the rotary nut member of a screw jack pair for varying the pitch of said propeller.

2,474,636
VITREOUS ENAMEL OPACIFICATION AND PROCESS
Henry Oesterle and Robert A. Oesterle, Belleville, Ill.
No Drawing. Application July 12, 1946, Serial No. 683,158
3 Claims. (Cl. 106—48)

1. In a process of making a vitreous enamel, the step of milling a zirconium type frit comprising 20% to 50% SiO_2, 5% to 20% ZrO_2, 5% to 15% B_2O_3, 5% to 20% Al_2O_3 and 5% to 20% F_2, percentages being by weight, together with from ½% to 8% of the weight of said frit of alpha alumina.

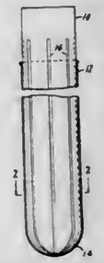
2,474,637
AUTOMATIC INSTANTANEOUS ELECTRIC WATER HEATER
John E. Pitts, Jr., Los Angeles, Calif.
Application September 18, 1945, Serial No. 617,071
10 Claims. (Cl. 219—39)



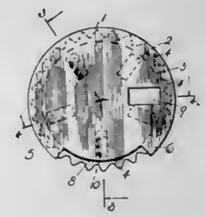
1. A water heater including a tube through which water is conducted, a plurality of spaced heating elements mounted therein, and an electric circuit in which each element is independently connected including independent pressure operated switches operatively exposed to the pressure of said water.

2,474,638
TESTING ELECTRODE
Carl J. Schmid, New York, N. Y., and William J. Koch, Midland Park, N. J., assignors to Julius Schmid, Inc., New York, N. Y., a corporation of New York
Application March 13, 1945, Serial No. 582,528
6 Claims. (Cl. 175—183)

1. A mandrel for testing thin tubular rubber articles open at one end and closed at the other and adapted to snugly fit the mandrel without the entrapment of air between the mandrel and the article, said mandrel comprising an elongated cylindrical body of electrical conductive material having a series of passages in the surface thereof effectively connected for fluid flow communication and distributed over substantially the entire outer surface of said mandrel for permitting the escape or evacuation of air from between the mandrel and the article as the article is applied to the mandrel.



2,474,639
FLINT DISPENSER
Isidore Shprents, New York, N. Y.
Application August 1, 1947, Serial No. 765,377
2 Claims. (Cl. 206—42)

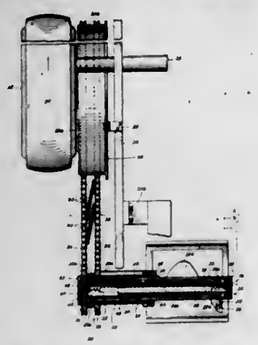


1. A dispenser for small objects such as flint, food or medicinal capsules, pills and the like comprising a base disc having pockets arranged in spaced relation to each other, the peripheral edge of said base disc having tooth-like projections thereon, a cover disc having an aperture therein positioned to coincide with the pockets in said base disc, the peripheral edge of said cover disc being shaped into a U-shaped channel member, said tooth-like edge of said base disc being adapted to rotate within said U-shaped channel member formed by the peripheral edge of said cover disc, and a section of said U-shaped channel member being cut away whereby said toothed edge of said base disc projects beyond said cover disc.

2,474,640
VEHICLE TRACTION DEVICE
George W. Smith, Jr., Greenwich, Conn., assignor of one-half to Eric W. Wood, Syosset, N. Y.
Application August 1, 1946, Serial No. 687,736
17 Claims. (Cl. 152—214)

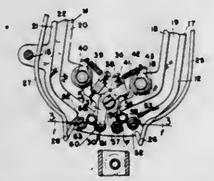
17. In a traction device for a vehicular wheel, an endless traction member, a guide member operatively associated with said traction member, a traction member support mounted alongside said wheel, means for moving said guide member whereby said traction member is alternatively

shifted off of said support member and over said wheel or off of said wheel and over said support



member, and means for controlling the tension of said traction member.

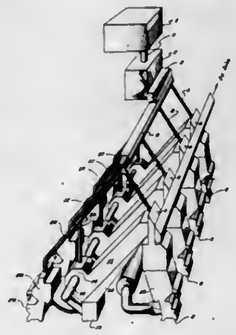
2,474,641
BOBBIN TIP SUPPORT MEANS FOR WEFT REPLENISHING LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application July 28, 1948, Serial No. 41,037
7 Claims. (Cl. 139—247)



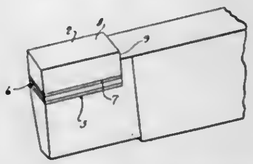
1. In a weft replenishing mechanism provided with a stack of bobbins which move down a guideway by gravity toward transfer position, a resiliently mounted bobbin tip support, a roll rotatably mounted on said support near the bottom of said guideway, and a second roll spaced from the first roll and rotatably mounted on the mechanism near the bottom of said guideway, the tip of the bottom bobbin of the stack resting on said rolls, the weft end of the bottom bobbin passing between said tip and one or the other of said rolls, and the latter being rotated by said tip at the time of bobbin transfer to prevent abrasion of said weft end.

2,474,642
SYSTEM FOR THE PREGINNING OF COTTON
Jeffrey J. Wallace, Amite, La., assignor to Gullett Gin Company, a corporation of Louisiana
Application June 18, 1946, Serial No. 677,545
5 Claims. (Cl. 19—67)

1. A system for the pre-ginning processing of cotton comprising a battery of a plurality of gins, a distributor for distributing cotton to each of the gins of said battery, an extractor and drier common to said gins anterior to said distributor discharging into said distributor, and a series of processing instrumentalities individual to each gin, between said distributor and gin through which cotton passes to the gin, said series including an extractor adjacent said gin, an intermediate group including a vacuum condenser and drum cleaner, and a group at the head of said series including an extractor and cleaner, a conduit for each gin at spaced points in the length of said distributor for supplying cotton to the gins, said conduit having branches communicating with said series respectively between said adjacent extractor and said intermediate group, between said intermediate group and head group, and anterior to said head group, and selectively operable means for determining the flow of cotton into any one of said branches whereby it is passed to said gin through said adjacent extractor only, serially through said intermediate group and said adjacent extractor, or serially through said head group, intermediate group, and adjacent extractor.

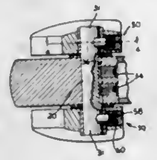


2,474,643
METHOD OF BRAZING CEMENTED CARBIDES TO STEEL
Clarence D. Webb, St. Clair Shores, Mich., assignor to Carboloy Company, Inc., a corporation of New York
Application June 4, 1947, Serial No. 752,469
9 Claims. (Cl. 76—101)



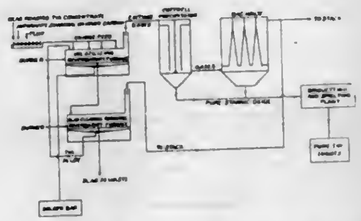
1. A method for brazing a cemented tungsten carbide body to a ferrous support comprising the steps of placing the cemented carbide body and a trimetal shim of two outer laminations of a silver base solder and an intermediate lamination of copper, upon the support with the shim between the support and the body and then heating the assembled body, shim and support to a temperature above the melting point of the silver base alloy and below the melting point of copper to bond the assembly together.

2,474,644
PIVOTAL MOUNTING MEANS FOR MICROSCOPE ARMS AND THE LIKE
Thomas G. Aitcheson, Kenmore, and Albin A. Gradisar, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application August 3, 1946, Serial No. 688,313
4 Claims. (Cl. 88—39)



1. In a microscope of the character described the combination of a base, a pair of spaced upstanding rigid projections carried thereby, a bracket arm positioned between said projections and arranged to support the body tube of the microscope on an upper portion thereof, and means for mounting said bracket arm for vertical tilting movement relative to said base and about a substantially horizontally disposed axis, said means comprising a shaft extending through aligned openings in said bracket arm and in said projections, means for fixedly securing said shaft in said arm for pivotal movement therewith, and friction means including a spring pressed brake element positioned in each of said projections and engaging spaced cylindrical end portions of said shaft and exerting a pressure in a direction offset relative to the longitudinal axis of said shaft so as to provide a resistance to rotation of said shaft in one direction and a greater resistance to the rotation thereof in the opposite direction.

2,474,645
PROCESS OF PRODUCING STANNIC OXIDE
Stanley M. Baxter, Burlington, Mass.
Application November 27, 1943, Serial No. 511,958
1 Claim. (Cl. 23—144)



The process of producing stannic oxide which consists in mixing solid carbon with a high iron subsilicate tin concentrate slag having a melting point of approximately 1000° C., heating said mixture to its melting point in a furnace having an oxidizing atmosphere, maintaining the proportion of carbon in the mixture to cause a dissociation pressure of the oxygen of the slag between approximately 1.3×10^{-15} and 7.95×10^{-13}, thus oxidizing the resultant metallic tin and reducing the stannic oxide to stannous oxide which being volatilized at the slag temperature bubbles through the slag and is instantaneously oxidized into stannic oxide by the atmosphere of the furnace, and recovering the stannic oxide so produced.

2,474,646
SPLIT STATOR
Grover F. Behringer, Defiance, Ohio, assignor to The American Steel Package Company, Defiance, Ohio, a corporation of Ohio
Application May 30, 1944, Serial No. 538,085
1 Claim. (Cl. 175—41.5)



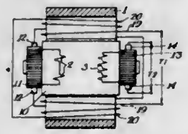
A split condenser stator comprising a plurality of series of stator plates having recesses in their edges, and a common means for supporting all of said series of plates and insulating said series from each other, said means comprising a dielectric mounting plate for all of said series having notches in its edges receiving opposite side edges of the recesses in said stator plates, a plurality of spaced expandable retainer plates, one for each series of stator plates, said retainer plates having notches in their edges receiving opposite side edges of the recesses in said stator plates, said retainer plates being positioned in said recesses and being adapted to be expanded to grip the side edges of said recesses, and a reinforcing plate for each series of stator plates spaced from each other and being disposed in said recesses in the stator plate prior to the dielectric plate and said expandable plate, all three of said plates being tightly held in engagement with each other by said expandable plate.

2,474,647
SPEED CONTROL OF DYNAMOELECTRIC MACHINES
Eric Alton Binney, Ilkley, England, assignor to The English Electric Company Limited, London, England, a British company
Application January 29, 1948, Serial No. 5,089
In Great Britain January 12, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires January 12, 1965
15 Claims. (Cl. 318—328)



2. A direct-current motor, comprising a multipolar field structure having an m-pole field winding and an n-pole field winding where m/n is an even number, an armature common to said two field windings and having an m-pole winding and an n-pole winding provided with two respective commutators each having a set of brushes, power input leads connected to the one set of brushes appertaining to said n-pole armature winding for supplying load current to the motor, said n-pole field winding being connected across said other set of brushes, and circuit means connected to said m-pole field winding and including adjusting means for supplying variable excitation to said latter winding in order to thereby control the motor speed.

2,474,648
DYNAMOELECTRIC MACHINE
Eric Alton Binney, Ilkley, England, assignor to The English Electric Company Limited, London, England, a British company
Application February 24, 1945, Serial No. 579,584
In Great Britain February 24, 1944
13 Claims. (Cl. 322—63)



1. A rotary direct current machine, comprising a normally unsaturated magnetic circuit including a multipolar field structure and an armature, said armature having a plurality of winding groups and a corresponding plurality of groups of commutator brushes connected with said respective winding groups, separately excitable field windings disposed on said field structure so as to cause—when the machine is operated as a generator—a voltage to be generated between a first group of said brushes, self-excitation field windings under control by said voltage and disposed on said field structure so as to cause—during generator operation—another voltage to be generated between another group of said brushes, and an external circuit connected to said other group of brushes.

2,474,649
TREATMENT OF VEGETABLE TISSUE
Clarence Birdseye, Gloucester, Mass., assignor to Dehydration, Inc., Gloucester, Mass., a corporation of Massachusetts
No Drawing. Application June 21, 1944, Serial No. 541,459
10 Claims. (Cl. 99—221)

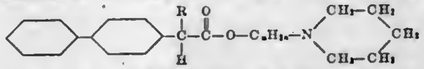
1. In the treatment of vegetable material, the step of blanching to inactivate the enzyme content of vegetable tissue without bringing extraneous water into contact with exposed tissue surface and without material loss of solubles from the tissue, which consists in heating the tissue in a high frequency electric field and in an atmosphere of predetermined humidity whereby moisture loss from the material may be controlled during the blanching process.

2,474,650
TREATMENT OF VEGETABLE TISSUE
Clarence Birdseye, Gloucester, Mass., assignor to Dehydration, Inc., Gloucester, Mass., a corporation of Massachusetts
No Drawing. Original application June 21, 1944, Serial No. 541,459. Divided and this application March 21, 1945, Serial No. 584,033
4 Claims. (Cl. 99—221)

1. In the preparation of vegetable tissue for further processing, the steps of heating the tissue in a high frequency electric field thereby blanching the tissue and inactivating its natural enzyme content without leaching action, simultaneously removing moisture from the blanched tissue by surrounding it with an arid atmosphere, coating the tissue with a solution containing a proteolytic enzyme and thereby causing the tissue to absorb the enzyme solution thus added, and then dehydrating the tissue.

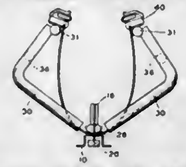
2,474,651
BASIC-ALKYL ESTERS AND THEIR SALTS
Frederick F. Blicke, Washtenaw County, Mich., assignor to Regents of the University of Michigan, Ann Arbor, Mich., a corporation of Michigan
No Drawing. Application February 26, 1944, Serial No. 524,084
8 Claims. (Cl. 260—294)

1. A compound selected from the group consisting of (a) basic-alkyl esters of the formula



wherein R is selected from the group consisting of hydrogen and hydrocarbon radicals, and n is an integer from 2 to 4, inclusive, and (b) acid and quaterary ammonium addition salts thereof.

2,474,652
BENDING FRAMES PIVOTALLY CONNECTED BY STRETCH PRODUCING HINGES
Emil V. Block, Stratford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application February 18, 1948, Serial No. 9,140
5 Claims. (Cl. 153—33)

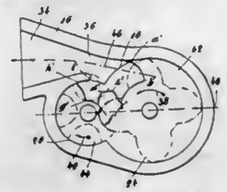


1. In a jig for forming tapered airfoil structures from laminated sheet material having relatively sharp radii of bend, a longitudinal base, two tapered frames having double acting hinges connecting said frames to the base at each end of said base for displacing the pivotal centers at each end of said frames at different rates, means for securing the laminated material in said jig to said base along the bend axis, and means for maintaining the material of the sheet in the bend area under compression during bending including clamps for securing the longitudinal edges of said sheet to said frames.

5. In a hinge mechanism, a hinge support, two hinge plates, a pivot pin fixed to said support, links pivotally supported on said pin at their adjacent ends and pivotally connected with said plates at their remote ends, said plates having cam slots, and pivot pins passing through said slots and also fixed to said support, said slots having cam surfaces cooperating with said pins for moving said plates upwardly and outwardly when said plates are moved toward each other.

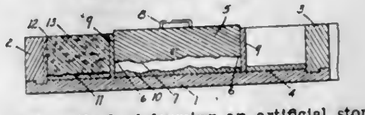
2,474,653
HELICAL GEAR COMPRESSOR OR MOTOR
Gustav Karl William Boestad, Lidingö, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, New York, N. Y., Leslie M. Merrill, Westfield, N. J., and Percy H. Batten, Racine, Wis., as trustees
Application April 19, 1946, Serial No. 663,369
In Sweden April 26, 1945
14 Claims. (Cl. 230—143)

1. In a rotary device, a casing structure providing two parallel intersecting barrels and having inlet and outlet ports communicating with said barrels, a male rotor having helical lands and grooves the major portions of which lie outside the pitch circle of the rotor and mounted for rotation in a first one of said barrels, a female rotor having helical lands and grooves the major portions of which lie within the pitch circle of the rotor and mounted in a second one of said barrels



and intermeshing with said male rotor, a fluid conducting passage in said casing structure communicating with one of said ports and extending therefrom in a laterally inclined direction toward the side of said casing structure providing said second barrel and away from the plane common to the axes of said rotors.

2,474,654
METHOD OF MANUFACTURING ARTIFICIAL STONE WALLS
David F. Carlson, Gobles, Mich.
Application February 2, 1948, Serial No. 5,736
8 Claims. (Cl. 25—155)



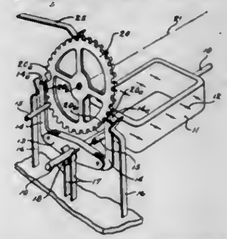
8. The method of forming an artificial stone wall facing for a wall which comprises the steps of, laying out a frame corresponding to the outline of the wall to be faced on a base, spreading a layer of deformable plastic material within the outline of said frame, successively impressing a series of dies into said layer of material and pressing divider plates into said material along the edges of each of said dies, removing said dies, pouring concrete into the mold, permitting said concrete to set, and disassembling the slab elements thus cast.

2,474,655
RETRACTABLE CLOTHESLINE HANGER
Guy B. Carroll, Minneapolis, Minn.
Application December 10, 1945, Serial No. 633,907
12 Claims. (Cl. 211—119.16)



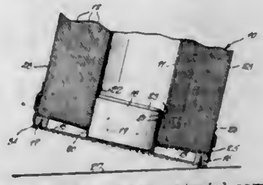
6. In a hanger of the class described, a frame having means for attaching the same to a support, a pair of end brackets pivoted to the frame and suspended therefrom for lateral swinging movement in a vertical plane, a bar pivoted to the end brackets for endwise and upwardly swinging movement therewith, said bar having means for attaching a clothesline thereto, and a latch having a supporting shoulder pivoted on the hanger, gravity held in an operative position and provided with a depending cam-acting member in the path of movement of one of the end brackets when the bar is swung upwardly, whereby the engagement of the end bracket with the cam-acting member will move the latch into an operative position and hold the same until the bar has passed the same and engaged the supporting shoulder.

2,474,656
RATCHET MECHANISM
Walter B. Claus, Van Nuys, Calif., assignor, by mesne assignments, to Howe & Fant, Inc., South Norwalk, Conn., a corporation of Delaware
Application October 29, 1945, Serial No. 625,257
4 Claims. (Cl. 74—142)



1. A ratchet mechanism comprising a rotatable toothed wheel, a pawl carrying arm pivoted centrally on an axis parallel to the axis of rotation of the wheel and located to one side of the wheel, a pair of pawls pivoted to the opposite ends of the arm, the pawls extending parallel and substantially tangent to the wheel and with their free ends lying close to respective teeth on the wheel, when the arm is at rest and lies normal to a line connecting the axes of the wheel and arm, and means engaging the pawls between their ends and guiding the pawls to move non-tangentially to the wheel, as the arm is swung on its pivot.

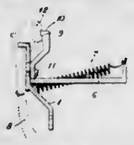
2,474,657
ROLL PACKAGING MEANS
Ralph Corson, Arlington, N. J., assignor to Congoleum-Nairn Inc., a corporation of New York
Application January 9, 1948, Serial No. 1,360
10 Claims. (Cl. 206—59)



1. Packaged rolled sheet material comprising a roll of sheet material wound about a central tube, and shock absorbing means at least at one end thereof, said shock absorbing means comprising a centrally apertured load-carrying disk which is arranged to support the edges of the plies of the rolled sheet material at said end, a cover disk spaced from said centrally apertured load-carrying disk, an annular spacer maintained between said load-carrying disk and said cover disk adjacent the peripheries thereof and supporting said

load-carrying disk adjacent the outer plies of said rolled sheet material, the inner portion of said load-carrying disk being unsupported against bending, a plug secured to the inner side of said cover disk and extending through the aperture in said load-carrying disk and into said tube, and means for securing said shock absorbing means to said rolled sheet material at said end thereof, said load-carrying disk being adapted to support the load normally imposed thereon by the edges of the plies of said rolled sheet material while being yieldable to permit substantial bending thereof inwardly from said annular spacer to accommodate relative displacement of said plies longitudinally of said rolled sheet material when said end of said packaged rolled sheet material is subjected to impact.

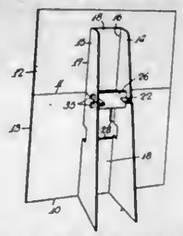
2,474,658
TYPE PALLET ALIGNING JIG
Gilbert Garvin Dorr, Nashville, Tenn., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 6, 1946, Serial No. 681,747
5 Claims. (Cl. 113—99)



3. A jig for aligning a group of the type-pallets of a typewriter, each of the said pallets having thereon two characters which are spaced apart; the distance between the lower edge of the upper character and the upper edge of the lower character being the same for all of a given group of pallets, the said jig being adapted to be fastened to the type-bar guide of the typewriter, the jig having a curved face portion simulating a section of the platen of the typewriter with which the pallet is designed to coact, the face portion having an extension at its upper end which projects towards the front of the typewriter and makes the same angle with the face of the jig as does the upper surface of the lower-case type on the pallet, the vertical thickness of the extension being such as to fit snugly between the upper-case and the lower-case characters upon all type-pallets of the said group.

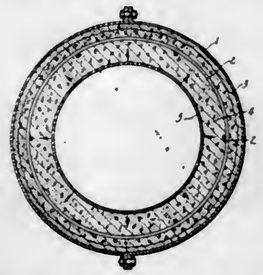
2,474,659
FOLDABLE DISPLAY DEVICE AND EASEL
Ludwig Ebert, New York, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware
Application January 4, 1947, Serial No. 720,249
8 Claims. (Cl. 248—35)

1. In a display device, a panel foldable forwardly along a line substantially parallel to its bottom edge, and a collapsible easel secured to its rear surface and comprising: an attachment section having portions adhesively secured to the panel both above and below said fold line, a wing hinged to said attachment section and adapted to swing either flatwise against said panel or rearwardly into a propping position, said wing extending across said fold line and being provided with a pleat at the level of said fold line to permit forward folding of the easel along with said panel when the wing is flat against the panel, a bracing flap carried by the attachment section of the easel and provided with a notch adapted to engage frictionally with said pleat when the wing is in propping position, and an



additional releasable tongue-and-slot engagement between said bracing flap and said wing.

2,474,660
MANUFACTURE OF PRESTRESSED CONCRETE PIPE AND THE LIKE
Frank Lionel Fitzpatrick, East Malvern, Victoria, Australia, assignor to Rocla Limited, Springvale, Victoria, Australia, a company of Australia
Application July 19, 1947, Serial No. 762,216
In Australia August 19, 1946
4 Claims. (Cl. 25—154)

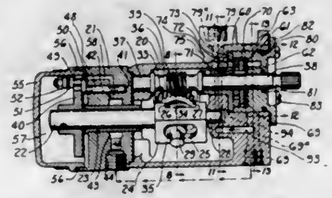


1. The manufacture of a prestressed reinforced concrete pipe, or like prestressed reinforced concrete article having a cylindrical or substantially cylindrical inner cavity, comprising inserting the reinforcement in a mould, lining the inner surface of the mould with a layer of compressible material (which ultimately becomes incorporated in and forms the outer layer of the pipe or like article), forming therein by the rotary process the main body of a reinforced concrete pipe, or like reinforced concrete article having a cylindrical or substantially cylindrical inner cavity, and subsequently subjecting the said pipe or like article to outwardly directed pressure, so that the said compressible material yields sufficiently to permit of the distension of the main body of the said pipe or like article.

2,474,661
LUBRICATING DEVICE
Bengt E. Folke, Mamaroneck, and Ralph H. Shepard, New York, N. Y., assignors to Nathan Manufacturing Company, New York, N. Y., a corporation of New York
Application March 28, 1945, Serial No. 585,328
8 Claims. (Cl. 184—27)

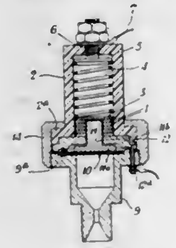
1. In a lubricating device, a housing, a block secured to the housing having an inlet and a plurality of outlets for a lubricant, mechanical

lubricator mechanism comprising a plurality of force feed units of the piston type in said block, each unit adapted to draw in the lubricant through said inlet and discharge it from one of said outlets, operating means for said force feed units, a drive shaft for said operating means supported within the housing, at least one of said force feed units adapted to discharge a lubricant into the housing for said drive shaft and associ-



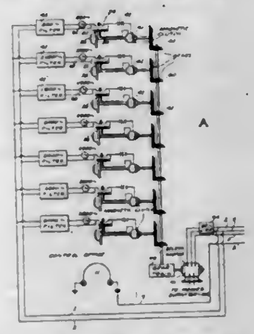
ated parts, a supply rotor and a return rotor secured to said drive shaft, said housing having an inlet and an outlet for each of said rotors, said supply rotor delivering oil to the inlet of said block, said return rotor and its inlet and outlet in the housing forming a return line, and means adapted to discharge excess oil between the supply rotor and the block inlet into said return line.

2,474,662
ELECTRIC PRESSURE INDICATOR
Reginald Cyril Fuller, Brighton, England
Application June 21, 1946, Serial No. 678,261
In Great Britain December 19, 1945
3 Claims. (Cl. 201—51)



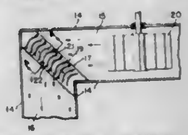
1. A fluid pressure operated electrical switch comprising a housing, an imperforated diaphragm therein exposed wholly on one side, with the exception of its clamped periphery to the influence of the fluid pressure to deform it to actuate the switch, switch contacts isolated from the diaphragm, resilient means actuating the contacts in one direction and yieldingly opposing said deformation of the diaphragm, said resilient means comprising an adjustable spring, stop means separate from the diaphragm preventing transmission of any, or any but a relatively very small portion of the load of said adjustable spring to the diaphragm when the fluid pressure falls below the effective load of the spring, and an overload preventing member forming a positive stop against excessive deformation of the diaphragm beyond that produced by a predetermined minimum of the range of fluid pressure to which the switch is to respond.

2,474,663
REMOTE-CONTROL SYSTEM FOR SELECTIVELY CONTROLLING A PLURALITY OF ADJUSTABLE ELEMENTS
De Witt Rugg Goddard, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 11, 1944, Serial No. 567,732
16 Claims. (Cl. 250—40)



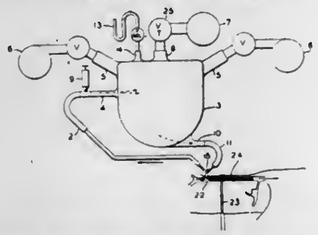
1. In a remote control system, a control office, a radio receiver remotely located with respect to said control office, a multi-conductor cable connecting said control office and radio receiver, said receiver having a plurality of control shafts coupled to different tuning elements of the vacuum tube stages of said receiver, a motor, individual magnetic clutches and gears linking said control shafts to said motor, said clutches being so constructed and arranged that said shafts are operatively linked to said motor only upon energization of said clutches, and means for selectively energizing said clutches to thereby link a desired control shaft to said motor.

2,474,664
ELECTRIC HEATING SYSTEM
Walter G. Grabeau, West Roxbury, Mass.
Application May 15, 1946, Serial No. 669,775
6 Claims. (Cl. 219—39)



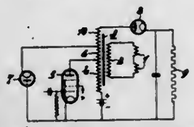
1. An electric heating system comprising in combination, a structure having two angularly related ducts, an electrically heatable unit located at the juncture of said ducts, said unit comprising a strip of high resistance metal curvilinear in cross section and reversely bent repeatedly upon itself to form a plurality of curvilinear spaced vanes defining passages therebetween, the forward end of each said vane being substantially parallel to the axis of one of said ducts and the trailing end of each said vane being substantially parallel to the axis of the other of said ducts, insulation means for securing said unit in said ducts at the juncture thereof and at an angle to the axes of said ducts, said unit being coextensive with the area of said juncture, and means adapted to connect said unit to a source of electric power.

2,474,665
PNEUMATIC BLOOD TREATING APPARATUS
John R. Guarino, Brooklyn, N. Y., assignor of one-fourth to Frank J. Guarino, one-fourth to Vincent T. Guarino, and one-fourth to Louis J. Guarino, all of Brooklyn, N. Y.
Application February 26, 1946, Serial No. 650,224
7 Claims. (Cl. 128—214)



5. The combination of an enclosed container, a discharge conduit in communication with the lower end of said container, a supply conduit in communication with said container above the lower end thereof and below the upper end thereof, the free ends of said conduits connected to the blood stream of a subject to by-pass blood from the subject through the supply conduit, container and discharge conduit, back to the subject, relying in part upon the propogating force of the heart of the subject to effect the flow of the blood through the container, and a supply of an extraneous gas under pressure in excess of the pressure of the gas in the blood entering through the supply conduit, the upper end of the container above the surface of the blood being closed and containing, and being in communication with said supply of an extraneous gas to supplement the heart in effecting the flow of the blood from the subject through the container and back to the subject.

2,474,666
CIRCUIT ARRANGEMENT FOR PRODUCING A SAW-TOOTH CURRENT IN THE DEFLECTION COIL OF A CATHODE-RAY TUBE AND FOR PRODUCING A DIRECT VOLTAGE FOR THIS TUBE
Johan Haantjes and Bernardus Willem van Ingen Schenau, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 26, 1948, Serial No. 17,156
In the Netherlands April 21, 1947
1 Claim. (Cl. 315—27)



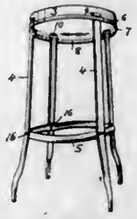
A circuit-arrangement for producing a sawtooth current in a deflection coil of a cathode-ray tube, which coil is connected to the secondary winding of a transformer, part of the primary winding of this transformer being connected into the anode circuit of a discharge tube to which a sawtooth voltage is supplied and with which anode circuit a diode is connected in parallel in such manner that the diode is conductive during the up-stroke of the sawtooth current, in which arrangement, moreover, the voltage pulses set up throughout the primary winding of the transformer are rectified for producing a direct voltage feeding a cathode-ray tube, characterized in that the transformer comprises a core of magnetic material on which is provided the secondary transformer winding which extends only over part of the length of the core and on the outside of which is provided the primary low-capacity winding which extends over a greater length than the secondary winding, the location of the secondary winding with respect to the separation between the primary winding part included in the diode circuit and the part not included therein being chosen to be such that the inductive coupling of the secondary winding with the spreading inductance of these two parts is zero or substantially zero.

2,474,667
SPEEDBOAT HULL
Robert L. Harvey, Detroit, Mich.
Application June 30, 1945, Serial No. 602,525
4 Claims. (Cl. 114—66.5)



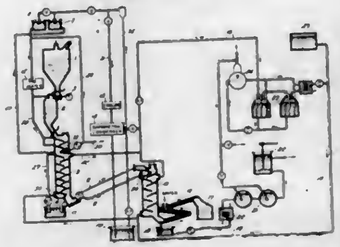
1. A boat hull having a keel fin extending longitudinally substantially from the bow to the stern and having a step disposed nearer to the bow than to the stern, said bow having complementary concavities on opposite sides of the keel and extending aft from substantially the bow to the step and increasing in width from the bow to the step and terminating laterally in chines dropped vertically below the bottoms of the concavities intermediate the keel and the chines, and terminating laterally adjacent to the step in complementary substantially horizontal stabilizer planes spaced on opposite sides from the keel fin by the width of the concavities and dropped below the bottoms of the concavities intermediate the keel and said planes, the bottom of the hull abaft the step and on opposite sides of the keel fin consisting of two complementary substantially horizontal plane surfaces said complementary plane surfaces merging substantially flush with the bottoms of the concavities adjacent to the keel on a line with the step, said keel fin having a depth forwardly of the step greater than its depth aft of the step.

2,474,668
FURNITURE
Roger C. Herbolsheimer, Garrett, Ind.
Application January 9, 1947, Serial No. 720,976
5 Claims. (Cl. 155—196)



1. In a stool structure, a seat having a peripheral downturned flange provided with inset portions constituting stirrups and an interior annular channel in its lower part, legs supporting said seat, the upper end portion of each leg having side flanges providing stops, a tongue extending upwardly beyond the stops, and an exterior transverse bead located below said stops, the arrangement being such that when the tongue is inserted into a corresponding stirrup the stops bear against the lower edge thereof and the bead projects into said channel, thus establishing an interlocking connection between the seat and leg, and a brace secured in connection with the legs to spread the lower parts thereof and cause binding of said interlocking connections.

2,474,669
CELLULOSE SACCHARIFICATION
André Héreng, Paris, France
Application September 17, 1945, Serial No. 616,831
In France September 22, 1944
2 Claims. (Cl. 127—37)



1. A continuous method of extracting the pentoses and hexoses from comminuted wood comprising the following steps: impregnating the wood by treating it with heated liquid hydrochloric acid of 27–33% concentration for 30 to 45 minutes, thereafter treating the wood with fresh liquid acid, extracting pentose containing liquid and treating the wood therewith at an earlier stage, subjecting the impregnated material to a countercurrent of gaseous hydrochloric acid at atmospheric pressure, thereby raising the strength of the acid absorbed in the wood to 41%, drying the material with a current of anhydrous gaseous hydrochloric acid at less than 30° C., thereby reducing the acid absorbed in the wood to not over 2%, washing the lignin hexose mixture remaining after the last step, to extract hexoses, drying the remaining lignin, absorbing the pentose liquid previously collected with the lignin, extracting the pentoses by drying the lignin pentose mixture with a current of anhydrous gaseous hydrochloric acid at less than 30° C. and washing the lignin pentose to obtain the pentoses.

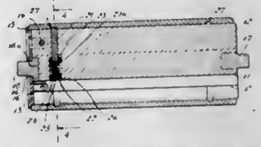
2,474,670
PRODUCTION OF PROPYLENE POLYMERS
Arthur B. Hersberger, Drexel Hill, and Randall G. Heiligmann, Yeadon, Pa., assignors to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application March 6, 1946, Serial No. 652,492
3 Claims. (Cl. 260—94)

1. A method for polymerizing propylene, which comprises cooling a solution of propylene in a cycloparaffin to a temperature between —20° C. and —100° C., the ratio of cycloparaffin to propylene being between 1:1 and 10:1 and the cycloparaffin being liquid at the temperature aforesaid, intimately contacting the propylene-cycloparaffin solution at —20° C. to —100° C. with a solution of 1% to 4% of $AlCl_3$ in an alkyl halide containing not more than 3 carbon atoms for sufficient time to effect polymerization, the quantity of $AlCl_3$ solution being about 10% by volume of the propylene and separating the propylene polymer from the polymerization mixture.

2,474,671
POLYMERIZATION OF OLEFINIC HYDROCARBONS WITH FRIEDEL-CRAFTS CATALYSTS
Arthur B. Hersberger, Drexel Hill, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application April 29, 1947, Serial No. 744,798
8 Claims. (Cl. 260—85.3)

1. In a process for producing polymers from olefinic hydrocarbons containing at least 4 carbon atoms polymerizable by a Friedel-Crafts catalyst, the improvement which comprises providing an intimate mixture of finely divided solid particles of said olefinic hydrocarbon, Friedel-Crafts catalyst, and an inert solvent, and thereafter causing melting of a small portion of said mixture, the ensuing reaction being characterized in that the heat of reaction is substantially counterbalanced by the heat of fusion of the reaction mixture, such counterbalance being achieved by regulating the amount of inert solvent employed in the initial reaction mixture.

2,474,672
MANDREL
Earl G. Hill, Pulaski, Va., assignor to Textile Appliance Corporation, New York, N. Y., a corporation of New York
Application June 4, 1947, Serial No. 752,409
4 Claims. (Cl. 242—130)



1. A mandrel for supporting a core upon which a strand is to be wound, which comprises a bar of Y-section, a cap at one end of the bar and of greater diameter than the cylinder described by rotation of the bar on its axis, tongues extending from the cap and lying against the legs of the bar and secured thereto, a pair of gudgeons mounted on the bar in the axis thereof at opposite ends of the bar, one of the gudgeons projecting beyond the cap, and a spring-pressed detent mounted on the bar and normally extending beyond the outer face of one leg thereof.

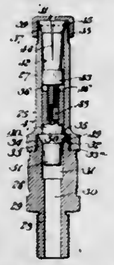
2,474,673
NOZZLE AND TIP FOR BURNING AND WELDING TORCHES
Alva K. Hinchman, Bryn Mawr, Pa.
Application March 31, 1944, Serial No. 528,987
3 Claims. (Cl. 158—27.4)

1. A nozzle for gas burning apparatus comprising a head section provided with a bore there-

beam, and means, forming part of said transmitting means for adjusting the position of said in-

erage direct current in one direction, and an electron tube connected in parallel with said recti-

through from an outer end to an inner end thereof, an outwardly flared tapered interior seat at the outer end of said head section, means forming a socket at the inner end of said head section and larger than the bore, a shoulder within said socket, a tubular sleeve having a tapered outer end to fit the tapered seat and provided with a plurality of slits crosswise of said sleeve



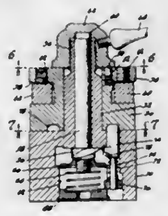
and extending longitudinally thereof for a predetermined distance from said outer end to produce segments, hollow means having threaded engagement with the sleeve and engaging the shoulder to pull said sleeve inwardly when the hollow means is rotated in one direction, and a body section having a bore therethrough from end to end thereof and detachably connected to the inner end of the head section.

2,474,674
SALT BATH FOR TREATING STAINLESS STEEL PRODUCTS
Artemas F. Holden, New Haven, Conn.
No Drawing. Application September 4, 1944, Serial No. 552,713
3 Claims. (Cl. 148—15)

1. The method of heat treating parts of stainless steel of the 18% chrome-8% nickel type having surface scale, fluxes, oxides, paint or the like to clean and anneal the same and produce a non-oxide bright finish thereon, comprising: heating the workpieces in a No. 1 liquid salt bath operated at a temperature from 1850° F. to 1950° F., the No. 1 bath being barium chloride 80% to 90%, potassium chloride 4% to 7%, barium fluoride 2% to 5%, and calcium fluoride 4% to 10%; retaining the parts in the No. 1 bath until the parts are heated to the temperature of the No. 1 bath; transferring the parts from the No. 1 bath to a No. 2 bath in a metallic pot and without substantial loss of temperature to the parts during said transfer, said No. 2 bath being sodium hydroxide 30% to 65%, potassium hydroxide 30% to 65%, and sodium cyanide 2% to 10%, and the No. 2 bath being operated at a temperature from 600° F. to 900° F.; retaining the parts in the No. 2 bath until the parts have acquired the temperature of the No. 2 bath; and quenching the parts to atmospheric temperature.

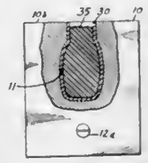
2,474,675
TOOLHOLDER
Vladimir Jankowski, Detroit, Mich.
Application November 24, 1944, Serial No. 564,959
4 Claims. (Cl. 29—49)

1. In a tool holder, a base provided with an upright tubular cylindrical column, a turret rotatably mounted upon the column superimposing the base, a handle rotatably mounted upon the column superimposing the turret, means operable to automatically couple the turret with the handle to rotate therewith in one direction of rotation of the handle and to permit the handle to rotate independently of the turret in the opposite direction of rotation of the handle, a locking pin spring urged to lock the turret to the base against rotation, a cam rod extending rotatably and axially shiftably through the tubular column and coupled at one end with the han-



die for rotation thereby at axially shifted positions of the rod, said rod provided at the opposite end with a cam operable in one direction of rotation to engage the locking pin and shift it axially to release the turret from the base and operable in the opposite direction of rotation to engage the locking pin without actuating it and to itself shift axially as it travels over the locking pin.

2,474,676
METHOD OF FORMING ARTIFICIAL TEETH
Ernest Byron Kelly, Chicago, Ill., assignor to Myerson Tooth Corporation, Cambridge, Mass., a corporation of Massachusetts
Application February 27, 1946, Serial No. 650,573
6 Claims. (Cl. 18—55.1)

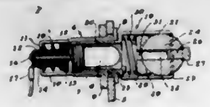


1. A method of forming a plastic tooth, which comprises providing a thimble-shaped blank of plastic resinous material, nesting within said blank a tubular blank of plastic resinous material, providing a layer of cementing material between the nested blanks, inserting the nested blank assembly into a mold cavity, admitting a gaseous medium under pressure into said blank assembly to expand the same to form a shell conforming with the shape and dimensions of said mold cavity, and filling the resulting shell with resinous material.

2,474,677
DIMMER DEVICE FOR INDICATING LAMPS
Harold R. Kirkland, Morristown, N. J.
Application April 18, 1944, Serial No. 531,567
6 Claims. (Cl. 177—329)

1. In a dimmer device of the character described, means to interrupt the transmission of a beam of light, means forming part of said interrupting means for transmitting light from said

beam, and means, forming part of said transmitting means, for adjusting the position of said in-



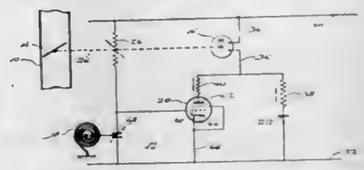
terrupting means, to vary the amount of light passed therethrough.

2,474,678
SELF-CLEANING SALT OR PEPPER SHAKER OR DISPENSER
Darley E. Kitchen, Logan, Ohio
Application February 6, 1946, Serial No. 645,751
2 Claims. (Cl. 65—57)



1. A salt and pepper shaker comprising a container having separable sections, one of said sections having an end portion provided with openings defining a pattern through which the contents may be dispensed, and another of said sections having an end portion defining a base for the shaker, and at least several vertically disposed pins arranged in a pattern corresponding to said first named pattern, said pins having smaller diameters than said openings and rigidly mounted on the outside of said latter end portion and out of contact with the contents of the container for clearing said openings when they become clogged.

2,474,679
ELECTRIC MOTOR CONTROL PROPORTIONING SYSTEM
Charles W. Klug, Chicago, Ill., assignor to Stewart Warner Corporation, Chicago, Ill., a corporation of Virginia
Application June 19, 1944, Serial No. 541,011
1 Claim. (Cl. 318—28)

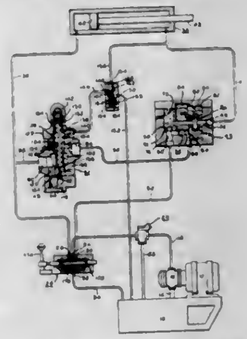


A control for controlling variable output condition changing means in response to the deviation of the condition from a predetermined value, including in combination, means controlling the output of the condition changing means, a reversible variable torque direct current electric motor for operating said controlling means, condition responsive means, and balanced means controlled by said condition responsive means and motor for varying the average torque and direction of torque exerted by said motor means in proportion to the deviation of the condition from the predetermined value, said last mentioned means including a source of alternating current, a rectifier connecting said motor across said source to provide said motor with a constant average direct current in one direction, and an electron tube connected in parallel with said rectifier and having a variable current output also connecting said motor across said source, said electron tube having a control grid, means including variable phase shifting means connecting said grid to said alternating current source such that the average direct current flow through said electron tube is determined by the phase relationship of said grid to said alternating current source, said variable phase shifting means being connected to be varied by said condition responsive means and said motor so that phase shifts in one direction caused by changes in the condition responsive means are balanced by equal and opposite phase shifts due to movement of said motor and controlling means to a new position where the output controlled by said controlling means balances the anticipated required output.

2,474,680
METHOD OF RECTIFYING A NEUTRAL MOLTEN SALT TREATING BATH
Paul H. Kramer, Detroit, Mich., assignor to Park Chemical Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 23, 1945, Serial No. 584,490
2 Claims. (Cl. 252—75)

1. The method of rectifying a neutral molten salt heat treating bath containing undesirable oxides which includes injecting in a gaseous state into the bath while it is in a heat treating pot a methyl halide of the halide group consisting of chlorine, fluorine, bromine.

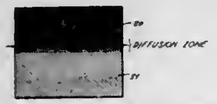
2,474,681
FLOW CONTROL CIRCUIT
Albert M. Lane, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application June 18, 1945, Serial No. 600,003
8 Claims. (Cl. 60—52)



1. In a hydraulic power transmission system, the combination of a fluid pump, a reciprocable fluid motor, a directional control valve for selectively directing fluid to the motor in one direction or the other, a flow-regulating valve for controlling the speed of the motor and including in series in such valve an adjustable throttle through which fluid is adapted to flow at a regulated rate and a compensating valve of the type which is normally open when flow through the flow-regulating valve is interrupted and responsive to the

pressure drop across the throttle for maintaining such pressure drop substantially constant, and a pilot circuit comprising a first means connected to a source of pressure fluid in the system and to the flow-regulating valve and a second means for controlling the operation of the first means and causing the first means to be operative to provide a source of low pressure fluid closing the compensating valve just before the motor is started in a regulated movement and causing the first means to be inoperative when flow to the flow-regulating valve resumes to permit the compensating valve to assume normal regulating position.

2,474,682
COMPOSITE STEEL PLATE
Benjamin Liebowitz, Lewisboro, N. Y.
Original application May 21, 1941, Serial No. 394,508. Divided and this application July 5, 1947, Serial No. 759,119
1 Claim. (Cl. 29—196.1)

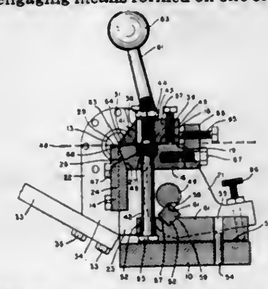


A welded composite plate comprising at least one pair of steel plates consisting of one plate of soft steel and another plate of hard steel having a substantially higher carbon content than the carbon content of the soft steel, said plates being welded together at their common interface and there being a carbon diffusion zone of material thickness in said region of said interface which is substantially uniform laterally and in which the carbon content varies from its concentration in the body portion of the hard steel plate to its concentration in the body portion of the soft steel plate and decreases in its concentration continuously from the interface extending into the soft steel plate thereby providing a weld having approximately the strength of the steel in the hard steel plate, the metal of said plates in the region of said interface being substantially free of impurities other than impurities in the metal of said respective plates and there being no intermingling of the metals as such of said respective plates at said interface as distinguished from said carbon diffusion extending from the metal of said hard steel plate into the metal of said soft steel plate, and there being relatively little diffusion in the region of said interface of alloying elements other than carbon.

2,474,683
BENDING BRAKE WITH ADJUSTABLE WORK STOP AND CLAMPING MEANS
Victor F. Linder, Minneapolis, Minn., assignor to Albert T. O'Neil, Minneapolis, Minn.
Application April 22, 1946, Serial No. 663,884
9 Claims. (Cl. 153—16)

1. In a metal brake, a bed, a jaw overlying said bed, a lever supported for swinging movement relative to said bed, connecting means between said lever and jaw, a rock shaft disposed in spaced relation to said lever a second lever secured to said rock shaft for rocking the same, said shaft having an eccentrically disposed bearing therein and said lever having a bearing facing the bearing in said shaft, a thrust member extending between said shafts and lever and having portions engaging said bearings, said shaft, upon rocking movement, swinging said lever to cause relative movement between said jaw and bed.

6. In a metal brake, a support, a bed carried thereby, means for clamping the work on said bed and including a rock shaft, a bender, a stop pivoted on said rock shaft and including two arms, engaging means formed on one of said arms,



an engaging member carried by said bender and adapted to engage the engaging means of the stop, and a screw carried by said second arm and engaging said support for limiting the movement of said stop about said shaft.

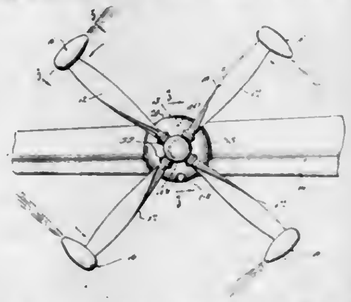
2,474,684
TOOTH CLEANING DEVICE
Michael J. McCaughley, Brooklyn, N. Y.
Application July 21, 1945, Serial No. 606,377
4 Claims. (Cl. 15—172)



1. In a tooth cleaning device, the combination of a chambered support, an elongated shank mounted for longitudinal movement in said support, a control sleeve screw-threadedly connected to said shank securely to anchor the shank and adjust the position of the same, there being openings in said support to position said sleeve and afford access to the same, a chambered holder pivotally connected to one end of said support and to one end of said shank, the pivotal connections between said holder on the one hand and said handle and shank on the other hand being spaced from one another so that longitudinal movement of said shank relative to said support will vary the angular relationship of said holder to said support, and a tooth cleaning device removably mounted in the chamber of said holder.

2,474,685
JET PROPULSION APPARATUS
Henry J. De N. McCollum, deceased, late of Chicago, Ill., by Thelma McCollum, executrix, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 12, 1945, Serial No. 587,929
1 Claim. (Cl. 170—135.4)

An aircraft power plant comprising a rotatable hollow propeller, a rotatable propeller shaft connected to the center of said propeller, said shaft being hollow and communicating with the hollow space in said propeller, means forming jet producing combustion chambers at the tips of said propeller communicating with the hollow space in said propeller and adapted to drive said propeller by reaction, means for forming a combustible mixture of fuel and air and for introducing said mixture under pressure into said

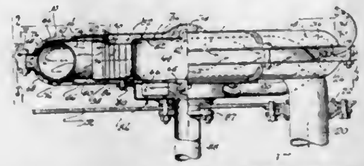


hollow propeller shaft, means for igniting said mixture in said combustion chambers, mechanism associated with the central portion of said propeller for feathering the propeller blades and thereby pointing said reaction jets in a rearward direction, detent means associated with said hollow propeller shaft and adapted when actuated to locate and lock said shaft immovable with said jets operating clear of the aircraft structure.

2,474,686
ALLYL DIGLYCOLYL ALLYL GLYCOLATE
Harry T. Neher, Bristol, Edwin H. Kroeker, Cheltenham, and Willard J. Croxall, Bryn Athyn, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application September 4, 1947, Serial No. 772,216
1 Claim. (Cl. 260—78.3)

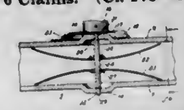
A copolymer from 60 to 75 parts of allyl diglycolyl allyl glycolate and 40 to 25 parts of methyl methacrylate.

2,474,687
COMPACT FORCED-AIR HEATER
William C. Parrish, Park Ridge, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application July 7, 1944, Serial No. 543,822
3 Claims. (Cl. 126—110)



1. An internal combustion heater comprising in combination means forming a tubular arcuate C-shaped combination combustion chamber and heat exchanger, said C-shaped heat exchanger having an exhaust opening at one tip thereof, wall forming means sealing the opposite tip of said C-shaped combination combustion chamber and heat exchanger, said combustion chamber being located adjacent said wall forming means, a burner located in said combustion chamber adjacent said wall forming means, means including an inlet duct for supplying combustion air to said burner, means for supplying fuel to said burner, a removable igniter supported by said wall forming means, said combination combustion chamber and heat exchanger defining a closed arcuate shaped passageway from said burner to said exhaust outlet for the arcuate flow of burning gases and the products of combustion, power means located centrally with respect to said combination combustion chamber and heat exchanger and extending into the space encircled thereby, ventilating air circulating means axially disposed with respect to said power means and connected on one side thereof to be driven thereby, a combustion air circulating means on the other side of said power means and connected to be driven thereby for causing combustion air to flow through said inlet duct to said burner and said combustion chamber, and a generally circular housing enclosing said combination combustion chamber and heat exchanger, said power means, said ventilating air circulating means and said combustion air circulating means, said housing having an axially disposed inlet adjacent said ventilating air circulating means through which ventilating air is drawn and having a peripheral outlet adjacent and substantially coextensive of said combined combustion chamber and heat exchanger, said housing including means for directing cool ventilating air around said power means and against said combined combustion chamber and heat exchanger and warm ventilating air outwardly through said peripheral outlet.

2,474,688
TRANSMISSION CONTROLLING DEVICE FOR WAVE GUIDES
Reginald M. Pease, Jersey City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 6, 1945, Serial No. 597,781
6 Claims. (Cl. 178—44)

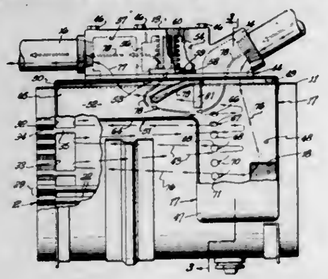


6. In combination, a hollow section of wave guide of rectangular cross-section having unequal cross-sectional dimensions and means for adjusting only the shorter cross-sectional dimension thereof to control the transmission of wave energy therethrough, said means comprising an arcuate strip of spring metal positioned within said section perpendicular to and extending between the shorter sides thereof and having its ends in contact with one of the longer sides thereof, and means for adjusting the minimum distance between said strip and the other longer side of said section.

2,474,689
OIL COOLER
Walter R. Ramsaur, Los Angeles, Calif., assignor to The Garrett Corporation, Los Angeles, Calif., a corporation of California
Application December 13, 1944, Serial No. 568,018
5 Claims. (Cl. 257—128)

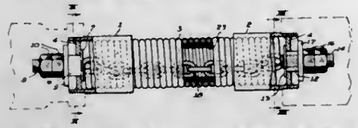
1. An oil cooler comprising a shell, a radiator core within said shell comprising tubes extend-

ing longitudinally of said shell, inlet and outlet ports in said shell, baffles extending longitudinally of said shell in spaced side by side relationship dividing said cooler into parallel longitudinally extending compartments, there being communicating openings between said compartments adjacent the ends of said baffles and adjacent said shell, said openings being disposed alternately at opposite ends of the cooler to form a tortuous oil flow channel from said inlet port back and forth longitudinally of said core to said outlet port with at least one side edge of said channel being formed by the interior surface of said shell,



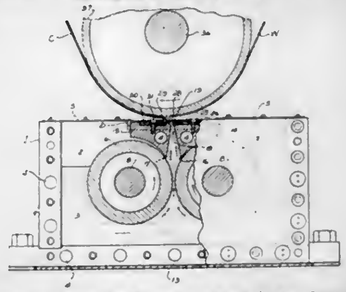
walls cooperating with the exterior surface of said shell to define a chamber exteriorly of said shell provided with a cooler inlet in communication with said inlet port and a cooler outlet in communication with said outlet port, said chamber forming a bypass exteriorly of said shell which extends from said cooler inlet to said cooler outlet and being of such extent peripherally of said shell as to substantially overlie one side edge only of each of said baffles to concentrate the transfer of heat from hot oil flowing through said bypass to one side edge only of said oil flow channel to rapidly decongeal oil along said one side edge of said flow channel.

2,474,690
FLEXIBLE CONNECTOR
Lawrence R. Robinson, Dormont, Kyle I. Robinson, Glenshaw, and Earl O. Berger, Bellevue, Pa., assignors to Pittsburgh Pipe Cleaner Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 22, 1946, Serial No. 642,598
3 Claims. (Cl. 287—85)



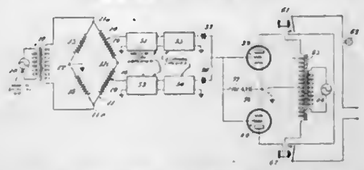
1. A flexible connector comprising a normally straight coil spring, coupling sleeves mounted on the opposite ends of said coil and projecting therefrom, the projecting portions of the sleeves being provided interiorly with transverse walls having central openings therethrough, a normally slack flexible tension member extending through the coil, means anchored in one of said openings and connected to one end of said tension member, a threaded stud connected to the other end of the tension member, a nut-like member mounted on said stud and disposed in the other of said openings, and means for retaining said nut-like member in said other opening.

2,474,691
WEB COATING APPARATUS
William A. Roehm, Rockville Centre, N. Y., assignor, by mesne assignments, to Virtu, Inc., Brooklyn, N. Y., a corporation of New York
Application March 20, 1946, Serial No. 655,831
12 Claims. (Cl. 91—43)



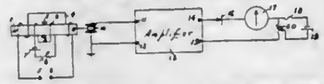
1. An apparatus comprising: a fountain adapted to contain a pool of coating material and having a feed passage leading to an outlet mouth, a movable member having a surface positioned in close proximity to the outlet mouth and adapted to travel past the same, and at least one feed roll contacting said pool and a portion of the circumference of which forms part of the wall of the feed passage, said roll being rotatable in a direction to feed the coating material from the pool through said passage to and through the outlet mouth and against said surface under the thus mechanically generated hydraulic pressure, said outlet mouth being provided adjacent its forward edge with a dam spaced from said surface a distance substantially equal to the thickness of the coating desired on the surface.

2,474,692
HIGH-SPEED PRECISION LIMIT BRIDGE ARRANGEMENT AND METHOD
Arthur L. Rossoff, Richmond Hill, N. Y., assignor to Universal Electronic Laboratories, Inc., New York, N. Y., a corporation of New York
Application June 26, 1945, Serial No. 601,641
3 Claims. (Cl. 175—183)



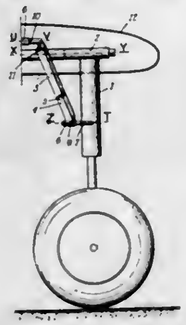
1. In a high speed precision limit bridge arrangement, the combination with a bridge system including a conventional A. C. Wheatstone bridge with interconnected ratio arms, a source of alternating current connected to the bridge at the outer terminals of said ratio arms, a standard arm and a pair of terminals to which a specimen of resistance, inductance or capacitance of unknown value is applied thus comprising an unknown arm, taps located on said ratio arms at points which correspond to balance when the unknown arm is permitted to assume each of its specified tolerance limits, and when the standard arm is set at the nominal value of the unknown, divided by the bridge ratio, of a detector system, said detector system consisting of two vacuum tube amplifier channels, said amplifiers having inherently very high input impedance, the input terminals of said amplifiers being connected respectively to the above mentioned ratio arm taps and commonly to the junction point of said standard and unknown arms, an indicating system to which the two amplified signals emanating from the above-mentioned amplifiers are applied, said indicating system serving the function of comparing the relative phases of the said signals and providing an instantaneous, sensible indication of whether or not the said signals are in phase or 180° out of phase, said two conditions corresponding to the value of the above mentioned unknown specimen falling out of and within, respectively, its specified tolerance limits.

2,474,693
MAGNETIC FIELD RESPONSIVE DEVICE
Robert G. Rowe, Niagara Falls, N. Y.
Application January 31, 1945, Serial No. 575,438
17 Claims. (Cl. 175—183)



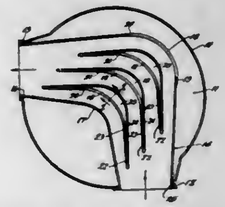
1. In a magnetic field responsive device, a magnetostrictive element nodally supported for a preferred mode of substantially undamped vibration, coil means excited from a constant frequency source of periodically varying voltage and magnetically linked with said element to magnetostrictively vibrate said element, detector means coupled to said element sensible to variances in the characteristics of magnetostrictive vibrations of said element and indicator means coupled to said detector means arranged to indicate variances in the characteristics of magnetostrictive vibrations of said element.

2,474,694
RETRACTABLE LANDING GEAR FOR AIRCRAFT
Raymond Saulnier, Paris, France
Application October 6, 1945, Serial No. 620,748
In France July 25, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires July 25, 1964
13 Claims. (Cl. 244—102)



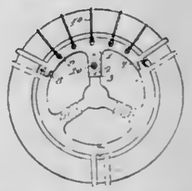
1. A retractable landing gear for an airplane which comprises, in combination, a shock strut pivotally mounted on said airplane about an axis parallel to the fore-and-aft direction thereof, a jointed brace strut interposed between said shock strut and said airplane, said brace strut being made of two parts pivoted to each other about an axis, so as to be able to form an angle having its apex turned toward the front, and two hinge means for connecting the respective ends of said brace strut to said shock strut and said airplane respectively, at least one of said hinge means consisting of a double pivot about two axes at right angles to each other and one of which is parallel to the fore-and-aft direction of the airplane while the other is parallel to the axis about which said two parts of the brace strut are pivoted to each other, the other of said hinge means being adapted to cooperate with the first mentioned one to keep said brace strut constantly in a plane parallel to said fore-and-aft direction irrespective of the position of said shock strut.

2,474,695
COLLECTING AND SEPARATING APPARATUS
Claude B. Schneible and Alvin S. Lundy, Detroit, Mich.; said Lundy assignor to said Schneible
Application March 23, 1946, Serial No. 656,737
11 Claims. (Cl. 183—79)



1. In combination, a casing providing a closed separation chamber, a high velocity fluid duct having an elbow bend and with a cut away heel portion communicating with said chamber, and a plurality of curvilinear rods extending longitudinally of said opening in laterally-spaced-apart relation and providing spaced passages extending longitudinally of said elbow portion between said duct and chamber.

2,474,696
ANTISKID TRACTION APPLIANCE FOR MOTOR VEHICLE WHEELS
Emil P. Schwab, Mount Lebanon, Pa.
Application February 11, 1947, Serial No. 727,888
6 Claims. (Cl. 152—223)



1. In an anti-skid and traction device or improvement thereof, for motor vehicle wheels, of the described class, convex and elongated rigid frames adapted to be applied to the tread of a

tire and extend lengthwise circumferentially thereof, the transversely disposed segments fitted with resilient material, with outer-side frame interlocking means, individual radial portions extending from each of the outer-side plates, a central spider or hub member embodying a rigid round disc or circular center that may be of spherical curvature to conform to the shape of wheel hub covers, with projecting slotted legs, the edges of said legs having transverse ribs or corrugations in which flanged ends of complementary radial portions fit selectively, and means for fastening these members together.

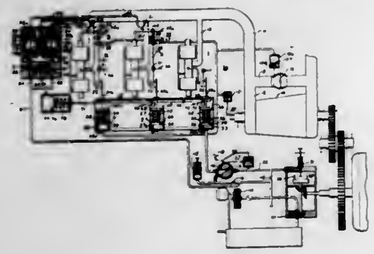
2,474,697

POWER PLANT CONTROL MECHANISM

Anthony F. Schwendner, Ridley Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 12, 1945, Serial No. 634,519

7 Claims. (Cl. 60—13)



1. In combination, a turbine; a plurality of free-piston engine and compressor units utilizing fuel and air to provide motive fluid, consisting of products of combustion and air, for driving the turbine; said units including a normally active unit and one or more additional units; a governor driven by the turbine; means operated in response to the governor to start the additional unit or units as the load increases over the load range and operating in response thereto to stop the additional unit or units as the load decreases over the load range; means operated in response to the governor to control the input of fuel to the active unit or units; said last-named means including a spring or springs opposing increase of the fuel input to the unit or units; and means responsive to starting of each additional unit to reset the spring or springs of the already-active unit or units so that the fuel inputs to the latter and to the added unit are substantially equalized and responsive to stopping of a unit to reset the spring or springs of the remaining active unit or units so that the fuel inputs to the latter are substantially equalized if more than one unit remains active.

2,474,698

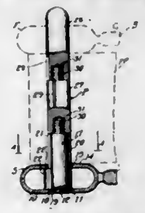
LOOSE-LEAF POST BINDER

Samuel Segal, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill., a corporation of Massachusetts

Application August 7, 1944, Serial No. 548,431

23 Claims. (Cl. 129—21)

1. In a loose leaf binder, a post, a tubular member having a lower flattened wall including key receiving means and having an upper flattened wall including an opening registering with said key receiving means, said post adapted to be received into said tubular member through said opening and having terminal key means



removably and non-rotatably interlocked with said key receiving means, and locking means movably carried by said post and cooperating with said upper wall to preclude withdrawal of said post from said tubular member.

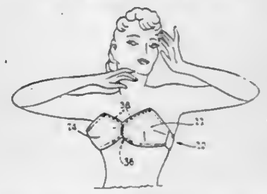
2,474,699

BRASSIÈRE

Sidney Silbert, New York, and Henry Folb, Brooklyn, N. Y.

Application July 11, 1946, Serial No. 682,951

5 Claims. (Cl. 2—42)



1. For use with a brassière, a brace comprising a pair of self-form maintaining brace elements each including a portion adapted to lie closely adjacent the base of a breast and extend from the zone of separation between the breasts toward but not beyond the top of the base of the breast, means to interconnect said brace elements at the zone of separation, and an elongated element extending upwardly from said interconnecting means, the free end of said elongated element curving toward the wearer.

2,474,700

DIAZOTYPE SENSITIZED PAPERS HAVING CELLULOSE ETHER SIZING

Sam Charles Slifkin, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 27, 1946, Serial No. 657,605

3 Claims. (Cl. 95—8)

1. A diazotype sensitized paper coated with a sensitizing solution containing a light sensitive diazo compound as the sensitizing agent and precoated with a surface sizing comprising an ether of cellulose conforming to the general formula

$$R(CH_2)_n\ O\ Cell$$

wherein R is a member of the group consisting of OH and COOH radicals, n is one of the integers 1, 2, 3 and 4 and Cell represents a cellulose nucleus.

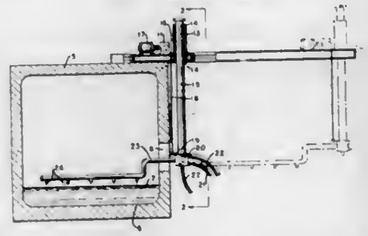
2,474,701

APPARATUS FOR DECARBURIZING STEEL

George V. Slottman, New York, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application December 2, 1947, Serial No. 789,237

1 Claim. (Cl. 266—34).



In a metallurgical furnace, apparatus for introducing oxygen into molten metal is the furnace comprising a track mounted on the furnace above the charging door thereof and projecting beyond the furnace at one side, a carriage movable along said track, a depending member supported by the carriage, a conduit for gas supported by the depending member and projecting therefrom in a direction toward the furnace, a water jacket surrounding said gas conduit, and means for vertically adjusting the depending member relative to the carriage, whereby the conduit for gas may be positioned vertically to be brought into alignment with the charging door and moved into and out of said door, and when outside of said door may be moved upwardly and away therefrom.

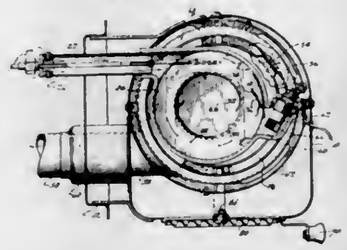
2,474,702

HEATER BURNER, PARTICULARLY FUEL DELIVERY AND IGNITING MEANS THEREFOR

Thomas F. Spackman, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application August 10, 1945, Serial No. 609,959

1 Claim. (Cl. 158—28)



A heater of the class described, comprising means providing a combustion chamber which is of circular cross section in a vertical plane, means for introducing fuel and air into the upper part of said chamber at an oblique angle to a combustion surface of the chamber wall, a trough adjacent the lower end of said combustion surface and adapted to collect liquid fuel, means providing a pocket below said trough and above the bottom of said chamber, an igniter in said pocket, said trough having a restricted opening located above said pocket, and a tongue extending downwardly from said trough and directing liquid fuel into said pocket.

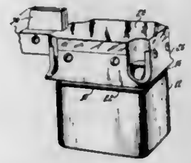
2,474,703

INDUCTION HEATING COIL PROVIDING DISTRIBUTION OF HEATING EFFECT

Theodore H. Story, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 28, 1944, Serial No. 556,125

2 Claims. (Cl. 219—13)



1. An induction heating applicator for heating an object having sharp corners along a surface to be heated, comprising substantially a single turn conductor conforming in shape to said surface and including corresponding sharp corners tending in operation to provide a thinning of the flux at said corners of the work surface, and said conductor having regions of reduced cross section adjacent said sharp corners for concentrating the heating current and the heating flux at said corners, thereby to provide substantially uniform heating along the work surface both at and between said corners.

2,474,704

METHOD OF RENDERING MATERIALS WATER-REPELLENT

Mary Elizabeth Thayer, Midland, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application August 11, 1948, Serial No. 43,753. In Great Britain June 29, 1948

8 Claims. (Cl. 99—141)

1. A method of treating a solid organic base material which comprises contacting said material with the vapor of monomethyldiethoxysilane whereby the material is rendered water-repellent.

2,474,705

METHOD OF AND APPARATUS FOR PARTIALLY DEHYDRATING AND CLEANSING OILY WOOD PRESERVATIVES

Joseph A. Vaughan and Joseph C. Vinson, Atlanta, Ga., assignors to Southern Wood Preserving Company, Atlanta, Ga., a corporation of Georgia

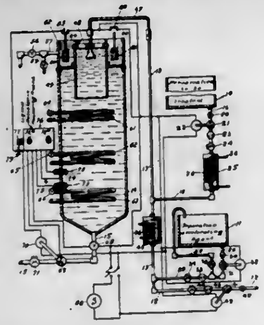
Application May 29, 1944, Serial No. 537,944

9 Claims. (Cl. 210—52.6)

1. That method of partially dehydrating and cleansing an oily wood preservative having a specific gravity greater than one, which is characterized by, introducing contaminated creosote preservative and wash-water into a settling tank; allowing the mixture to separate in the tank; measuring the moisture content of the settled preservative in the bottom portion of the tank; withdrawing the settled preservative from

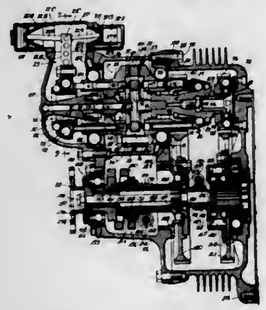
2,474,710

a point adjacent to the bottom of the tank in response to said measurements; and automatically



removing separated wash water from the upper portion of the tank.

2,474,706
HYDRAULIC TRANSMISSION
Gunnar A. Wahlmark, Rockford, Ill., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application January 29, 1944, Serial No. 520,195
18 Claims. (Cl. 60—53)

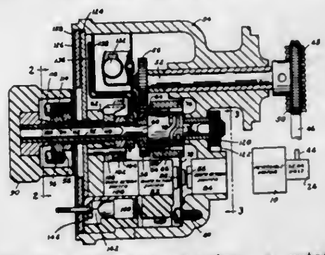


1. In a transmission, a driving element, a driven element and hydraulic means operatively interposed between said elements comprising a rotatable cylinder block driven by said driving element and having a first plurality of annularly arranged cylinders and a second plurality of annularly arranged cylinders formed therein, the first and second plurality of cylinders being in line and having the same axis, a piston reciprocable in each of the cylinders to form a pump and a motor, a non-rotatable motion converting means acting on the pump pistons and being adjustable to vary the quantity and direction of fluid discharge from the pump to the motor, a second motion converting means associated with said driven element and acted upon by said motor pistons to convert the rotary motion of said cylinder block and the reciprocatory motion of said motor pistons into rotary motion of said driven element, and valve means for controlling the flow of fluid to and from the pump and motor cylinders permissibly rotatable with said cylinder block.

14. In a hydraulic transmission, a pump of the reciprocatory piston type, a motor of the reciprocatory piston type, means providing a closed hydraulic circuit interconnecting the pump and motor, a reservoir for make-up fluid, a pump for drawing fluid from said reservoir and supplying it as make-up fluid to said first named pump, and means for maintaining the fluid in said reservoir at a predetermined pressure above atmospheric pressure.

15. In a hydraulic transmission, a pump of the reciprocatory piston type, a motor of the reciprocatory piston type, means providing a closed hydraulic circuit interconnecting the pump and motor, a reservoir for fluid, a make-up pump operable to draw fluid from said reservoir and discharge the same to said first named pump and said motor to provide make-up fluid and to provide fluid for lubrication purposes, centrifugal means to which the lubricating fluid is returned, said centrifugal means serving as a separator of purely liquid and foamy fluid, and means for controlling the return of the purely liquid fluid to said reservoir to maintain therein a predetermined pressure.

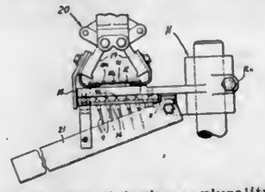
2,474,707
ELECTRIC MOTOR SWITCHING MECHANISM
Eric C. Wahlberg, Stamford, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application January 29, 1944, Serial No. 520,261
2 Claims. (Cl. 318—32)



1. In a switching mechanism, a rotatably mounted cam, a cam follower associated therewith, means for mounting said follower for axial and rotational movement with respect to said cam, said cam having a profile including two axially spaced prolonged dwells connected by an inclined portion, said follower having a neutral position at the center of said inclined portion whereby rotation of the cam in one direction initially displaces said follower axially in one direction from the neutral position and thereafter retains the follower in the displaced position and rotation of the cam in the opposite direction initially displaces said follower axially in the opposite direction from said neutral position, means for rotating said follower in the proper direction to reestablish the original relative rotative position of the follower and cam whereby to return said follower to its neutral axial position, a pair of quick action electric switches, means responsive to axial displacement of said follower in one direction for actuating one of said switches and responsive to axial displacement of said follower in the opposite direction for actuating the other of said switch, the last-mentioned means restoring whichever switch has been actuated to its original condition upon return of said follower to its neutral position, means for preventing either said

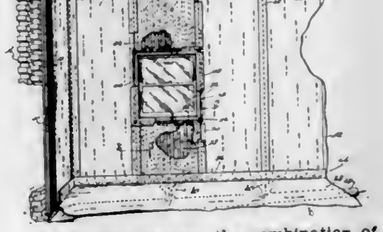
cam or said follower from imparting rotary motion to the other, a pair of arms rotatable with said cam and individually rotatably adjustable with respect to said cam, and stop means engageable by said arms to thereby establish opposite individually adjustable extreme positions for said cam.

2,474,708
APPARATUS FOR FORMING GLASS ARTICLES
Daniel B. Westin, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application July 8, 1946, Serial No. 682,071
6 Claims. (Cl. 49—14)



1. Apparatus for stripping a plurality of glass articles from a single parent body of glass to which the articles are attached, comprising means for supporting said parent body with its attached articles, and operable means movable between said articles for engaging and dissociating the plurality of articles from said parent body.

2,474,709
HEATING SYSTEM
Lynn A. Williams, Jr., Northfield, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application December 16, 1943, Serial No. 514,435
9 Claims. (Cl. 98—31)



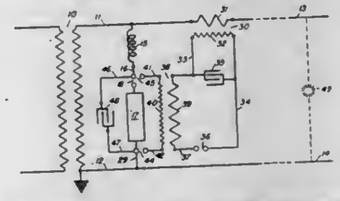
1. In a heating system, the combination of a side wall of a room comprising a plurality of wall board units each having a body portion in the form of a continuous unbroken sheet having a series of vertically extending ribs in slightly spaced relation to each other on the inner face of the sheet, a second sheet composed of porous material secured to the faces of said ribs so as to provide a plurality of independent ducts extending substantially throughout the height of the room between the ribs and adapted to carry ventilating air therethrough and to permit such ventilating air to seep out slowly through the porous sheet into the room, and means for delivering heated ventilating air to said ducts for escape into the room.

2,474,710
THREAD-TRIMMING AND PULL-OFF MECHANISM FOR SEWING MACHINES
Alfred R. Wood, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application August 21, 1945, Serial No. 611,725
15 Claims. (Cl. 112—252)



1. In a sewing machine having a work-support, in combination, stitch-forming mechanism including at least one thread-carrying implement, means for feeding work past said stitch-forming mechanism, complemental thread-severing members disposed at the same side of the work-support and movable relatively to each other into and out of thread-severing relationship, one of said members being confined to movement about a fixed axis and the other of said members being bodily movable in a direction substantially parallel to its thread-severing edge, and means for simultaneously imparting the respective operative movements to said members during the thread-severing action of said members.

2,474,711
PROTECTIVE SYSTEM FOR ELECTRIC LINES
Edward H. Yonkers, Jr., Chicago, Ill., and Ralph R. Pittman, Pine Bluff, Ark.
Application November 11, 1943, Serial No. 509,934
5 Claims. (Cl. 175—294)



1. A system for protecting an electric line from the effects of arcing faults occurring between the conductors thereof which normally differ in potential when connected to a source of electric power, comprising in combination, elements constituting a voltage limiting and arc extinguishing device positioned between the section of line to be protected from the effects of arcing faults and the source of power, said voltage limiting and arc extinguishing device being constructed and arranged with respect to said conductors to provide a preferential sparkover path therebetween and being adapted to sparkover and carry current when a predetermined voltage is applied between said conductors, transformer means having a primary winding and a secondary winding means continuously connecting said primary winding in series with one of said conductors, a condenser connected in shunt with said secondary winding of said transformer means, and spark-gap means normally insulating said transformer and condenser from said voltage limiting and arc extinguishing device, said electrodes being so arranged with respect to said voltage limiting and arc ex-

tinguishing device as to sparkover and apply said

being spaced apart with respect to each other to

2,474,716

2,474,718
SWING SUSPENSION

tinguishing device as to sparkover and apply said predetermined voltage to said device concurrently with the time that the current in said one of said conductors exceeds a predetermined magnitude.

2,474,712
VARIABLE FILTER SCREEN
Luis Rodriguez Aparicio, Madrid, Spain
Application January 18, 1946, Serial No. 641,972
In Spain June 19, 1945
17 Claims. (Cl. 88—60)



1. A variable filter screen comprising a pair of rigid, opposing parallel transparent members laterally movable to and from each other, means operative to laterally move the transparent members together from spaced relation; a variable capacity closed flexible thin-walled reservoir housing a storage compartment outwardly of the margins of the transparent members for filter fluid, elongated and having laterally separable margins in fluid-tight connection with opposing margins of the transparent members along one entire side thereof, and means for varying the capacity of the reservoir and adapted to cause filter fluid to flow between the reservoir and the space between the transparent members along said entire side thereof.

2,474,713
MARQUISE OR CANOPY FOR BUILDINGS
Arthur J. Auble, Ord, Nebr.
Application August 29, 1946, Serial No. 693,630
4 Claims. (Cl. 20—57.5)



1. A canopy comprising supporting members extending outwardly from the wall of a building and having troughs formed therein, a first group of transversely disposed slats mounted between the inner ends of the supporting members, said slats being rearwardly and upwardly inclined and spaced from each other, means connected between said slats for rigidifying the slats and forming a continuous cover member with the slats, a second group of inclined slats disposed transversely between the outer ends of the supporting members, said slats of the second group being spaced apart with respect to each other to define air passages, each of said slats of the second group being formed with transverse troughs on their lower edges, means formed on the upper edges of each of the slats of the second group and disposed over the troughs of adjacent slats for directing water into the troughs and means for bracing the outer ends of the supporting members and outer end of the canopy to the wall of a building.

2,474,714
CIGARETTE LOCKING HINGE FOR CIGARETTE CASES
Frank Averna, Ridgewood, N. Y.
Application July 2, 1946, Serial No. 680,981
1 Claim. (Cl. 206—41)

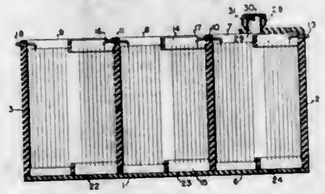


A case for cigarettes comprising a substantially shallow rectangular container having a bottom, front wall, end walls, an open top and an open rear wall, a hinge pin journalled in the end walls of the container adjacent said open rear wall, a substantially cylindrical hinge bar closing said open rear wall and eccentrically mounted on said pin to provide a cam surface at one longitudinal edge thereof, a flat cover for the container fixed to said bar, and said cover adapted to close the open top of said container, the cover being mounted on the bar so that when in open position the cam surface of the bar will be disengaged from cigarettes placed in the case parallel to said end walls and extending from said front wall to said hinge bar and the hinge bar being of a size so that the cam surface thereof will engage the ends of the cigarettes to hold them in place when the cover is closed, said pin lying in a plane parallel to said cover and extending medially thru said bar and on a line nearer the outer surface than the inner surface of the case when the cover is closed.

2,474,715
PROCESS OF PREPARING SUBSTITUTED PROPIONIC ACIDS
Robert D. Babson, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application July 12, 1946, Serial No. 683,143. Divided and this application February 28, 1947, Serial No. 731,719
1 Claim. (Cl. 260—484)

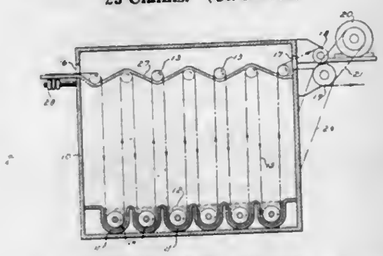
The process which comprises reacting altogether ethyl β-acetoxy acrylate, chlorine and ethyl alcohol to produce ethyl α-chloro-β,β-diethoxy propionate.

2,474,716
SALT-WATER BATTERY
John T. Beechlyn, Worcester, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application September 18, 1944, Serial No. 554,686
4 Claims. (Cl. 136—103)



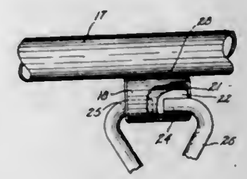
1. A salt water battery comprising a casing of insulating material substantially enclosed from the water medium, said casing being divided into a plurality of individual cells, each cell having a water flow passage of high electrical resistance compared to the electrical resistance of the cell; each said cell being provided with electrodes formed of opposed sheets of different metals and means supporting said sheets in a supporting frame within the cell, said cells being provided with a cover member, means contained in said cover member providing an escape for generated gases including a gas trap adapted to trap a volume of gas in said cover between the escape to the outside and the inside of said casing and form an insulation between the liquid within the medium and the external liquid.

2,474,717
PROCESS AND APPARATUS FOR TENSIONLESS HANDLING OF RUNNING LENGTHS OF MATERIALS
Harold H. Belcher, Orange, Mass., assignor to Rodney Hunt Machine Co., a corporation of Massachusetts
Application February 10, 1948, Serial No. 7,466
In Canada June 21, 1947
23 Claims. (Cl. 8—151)



13. A method for fluid treatment of running lengths of flexible materials such as textiles and the like which are subject to shrinkage comprising the steps of supporting the material in a depending loop, allowing the material to enter the loop and to leave the loop freely without appreciable tension, withdrawing the material from the loop at a predetermined speed, and applying a force to the inner surface of the loop by friction tending to advance the material at a speed appreciably exceeding the speed of withdrawal and thus avoiding excess tension in the material regardless of shrinkage thereof.

2,474,718
SWING SUSPENSION
Samuel Bender, Shreveport, La.
Application October 16, 1945, Serial No. 622,627
1 Claim. (Cl. 155—58)



The combination with a playground swing having spaced upright supports and a horizontal swing supporting tube secured to the upper ends thereof, aligned supporting tubes secured to the lower and outer surface of said horizontal tube, said supporting tubes being spaced from each other, aligned bearing tubes of reduced diameter disposed in said aligned supporting tubes having rolling contact with the inner end of lower walls of said supporting tubes and having their upper and outer surfaces spaced from the inner surfaces of said supporting tubes, triangular shaped open links supported in the opposite ends of said bearing tubes with the opposed link ends at the open ends of said links being spaced a less distance than the diameter of said supporting tubes and having rolling contact therewith, and swing chains and a seat supported by said links.

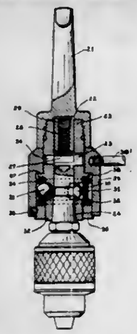
2,474,719
METHOD FOR SEPARATING THE STEREOISOMERS OF α-HYDROXY-β,β-DIMETHYL-GAMMA-BUTYROLACTONE
Ralph H. Beutel, Newark, and Max Tishler, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application October 23, 1945, Serial No. 624,104
7 Claims. (Cl. 260—236)

1. The process that includes the step comprising reacting racemic α-hydroxy-β,β-dimethyl-gamma-butyrolactone with alkali to form the alkali metal salts of racemic α-gamma-dihydroxy-β,β-dimethyl butyric acid, treating the alkali metal salts with approximately 1 molar equivalent of brucine dissolved in an inorganic acid and removing the brucine-dextrorotatory-α-gamma-dihydroxy-β,β-dimethyl butyric acid - brucine-acid salt formed.

2,474,720
TOOL-OPERATING ATTACHMENT
Henry Robert Billeter, Highland Park, Ill.
Application January 17, 1946, Serial No. 641,787
2 Claims. (Cl. 77—33)

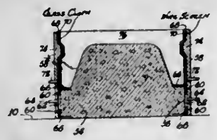
1. In a chip breaking drill operating means having a rotatable spindle, a rotatable bearing race on said spindle and a non-rotating race arranged about said spindle, a rolling bearing element between said races in rolling contact therewith and a surface irregularity in one of said faces to be engaged by said element to retract a drill from a work piece; the improvement comprising, said races and element being so constructed and arranged that said element engages said races at respectively different effective dis-

tances from the axis of said spindle whereby successive engagements of said element with said



surface irregularity occur at angularly displaced positions about the axis of said spindle.

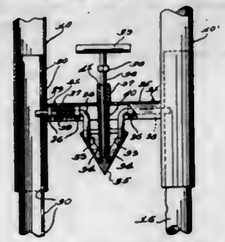
2,474,721
VACUUM MOLD FOR MOLDING CONCRETE AND THE LIKE
Karl P. Billner, Philadelphia, Pa., assignor to Vacuum Concrete Inc., a corporation of Pennsylvania
Application March 1, 1946, Serial No. 651,351
14 Claims. (Cl. 25—118)



1. A form element for use with a moldable plastic body containing excess vehicle, said form element having a pervious surface for engagement with said body, related fluid actuated means for securing said element to a support, said means comprising a sealing member for engagement with said support, and connecting means for communicating said porous surface and sealing member with a source of subatmospheric pressure to position said element with respect to said support and remove excess vehicle through said surface from said body, and pressure control means for actuating said securing means exclusively of the removal of excess vehicle.

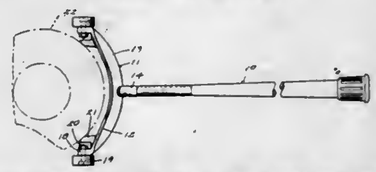
2,474,722
ADJUSTABLE WALKING AID
Herbert E. Blume, Tripoli, Iowa
Application February 14, 1946, Serial No. 647,616
2 Claims. (Cl. 135—50)

1. In an adjustable walking aid including a tubular member and an extension slidably telescoped therein, means for releasably locking said extension in said member, said means comprising a laterally projecting bracket provided on said member, a spring-pressed anchor bolt slidable on said bracket and engageable with apertures formed in said member and in said extension, said bolt having an angulated portion terminating in a bevelled end surface, a vertical stem slidable in said bracket, and a substantially triangular pocket provided on said stem, said pocket having an inclined inner surface in operative en-



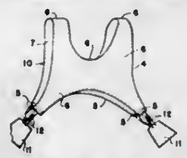
gagement with the bevelled end surface of said bolt.

2,474,723
SHUFFLEBOARD CUE
Elmer S. Boose, Tampa, Fla.
Application August 1, 1947, Serial No. 765,447
1 Claim. (Cl. 273—129)



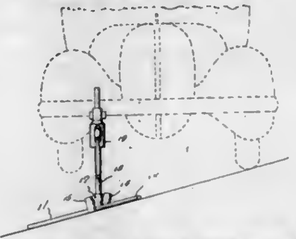
A shuffleboard cue head comprising an elongated longitudinally bent bar having a forward concave face and a rearward convex face, the opposite ends of said bar projecting forwardly, a pair of rollers carried by said opposite ends, a bracing web disposed at right angles to said bar and extending from the convex rear face thereof, and a forwardly projecting lug adjacent each of said opposite ends and spaced inwardly therefrom formed integrally with the forward concave face of said bar, the forward ends of said lugs being curved outwardly to provide contact points for engagement with a game piece and said contact points being in alignment with the axis of said rollers, whereby said forward ends will be maintained in the same vertical position relative to the bottom surface of said rollers in all positions of said bar.

2,474,724
DIAPER SUPPORT
Helen Booker Carter, Forest, Va.
Application October 17, 1946, Serial No. 703,910
3 Claims. (Cl. 2—112)



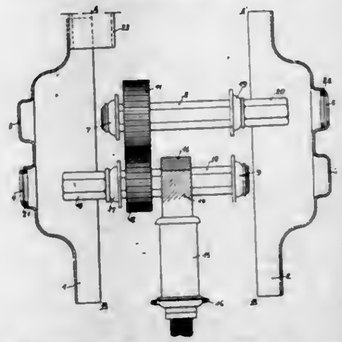
3. In a diaper support of the character described comprising symmetrically shaped front and back panels, each of said panels having a substantially semi-elliptical shaped cut-out portion at the top and centrally of the panel, said portions defining an enlarged neck opening having shoulder pieces at opposite sides thereof, the adjacent side edges of the panels being spaced from one another and providing unrestricted arm openings, the lower edge of each panel being arcuate shaped and the side edges thereof being curvilinear, whereby to form a pair of integral tab support members of gradually reduced width at the opposite sides of the diaper support in the vicinity of the lower corners of the panels, means to elastically connect a diaper support tab to each pair of said support members comprising a tape having its free ends attached to adjacent corners of said panels, and a diaper support tab secured to the tape.

2,474,725
SAFETY JACK BASE
Harry C. Clark, Jr., Belvidere, Ill.
Application August 6, 1945, Serial No. 609,275
3 Claims. (Cl. 243—346)



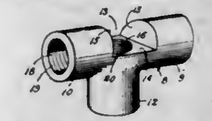
1. A jack base comprising a plurality of radially disposed leg members of substantial length rigidly joined together, and a plurality of socket elements rigidly secured to the base adjacent the junction point of said legs, the axes of said socket elements being at different angles with respect to the base.

2,474,726
DRILL HOLDER AND LIKE TOOL
Charles de la Source, Paris, France, assignor to Societe: Les Fils de Peugeot Freres, Valentigney, France, a French company
Application April 9, 1947, Serial No. 740,367
In France May 30, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 30, 1965



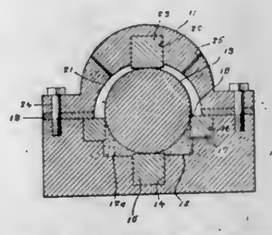
A portable hand-driven rotary-tool holder comprising two hollow cup-shaped shells forming, when assembled, a rigid and totally enclosed stress-resisting casing, parallel transverse spindles and pinions mounted thereon and a tool-rotating spindle geared to said transverse spindles and pinions, said transverse spindles, pinions and tool-rotating spindle being substantially contained in said casing, said cup-shaped shells having their walls symmetrical with respect to the axis of rotation of said tool-rotating spindle, and being joined together in a plane containing the axis of rotation of said tool-rotating spindle, each of said cup-shaped shells having two reinforcing hollow bosses to increase the rigidity of said casing, each of said transverse spindles extending between two of said bosses, each of said transverse spindles having at one of its ends a bearing located in one of said bosses, and at the other one of its ends a crank handle-receiving shank extending through the other opposite boss.

2,474,727
RAIL FITTING
James C. Denier, Cincinnati, Ohio
Application May 25, 1948, Serial No. 29,109
11 Claims. (Cl. 287—54)



1. A coupling of the type described which comprises, a first and a second socket, said sockets being integrally formed, said sockets meeting at a right angle to form a junction section between said sockets, said junction section terminating at a surface perpendicular to the axis of the first socket and in a plane including the axis of the second socket, the second socket terminating at a surface perpendicular to the axis of the second socket and tangent to the outer surface of the first socket, said junction section forming a platform between the sockets for receiving a similar platform of a second coupling of the type described.

2,474,728
REVERSIBLE BEARING
Lafayette Doran, Scranton, Pa.
Application August 1, 1947, Serial No. 765,455
3 Claims. (Cl. 308—74)



2. A bearing comprising top and bottom halves, the bottom half being recessed to receive packing material, the recess bottom wall being provided with a slot, a bearing insert in the slot, the recess sidewalls being cut away, and other bearing inserts disposed respectively in the cut away parts of the recess and providing for engagement with a shaft at the opposite sides of the same, and said top half of the bearing being secured

to the bottom half, said top half being relieved to provide air space over the top of the shaft and having a slot extending longitudinally thereof, a bearing insert within the slot of the top half and adapted to engage with the top of the shaft.

2,474,729

INSULIN PREPARATIONS

Pierre Durel and Paul Dubost, Paris, France, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a French body corporate

No Drawing. Application January 2, 1946, Serial No. 638,712. In France January 3, 1945
12 Claims. (Cl. 167—75)

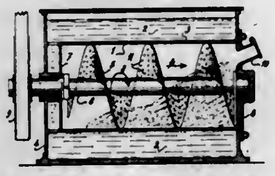
10. An aqueous insulin solution prepared for use by subcutaneous injection which contains between 10 %and 20% by weight of polyvinylpyrrolidone.

2,474,730

ICE-CREAM MACHINE WITH PERFORATED SCREW AGITATOR

Gustave Henry Georges Espinasse and Jean Paul Charles Espinasse, Ales, Gard, France

Application June 5, 1946, Serial No. 674,598
In France April 18, 1946
3 Claims. (Cl. 62—114)



1. In a machine for producing ice cream, a single stirring member constituted by a screw conveyor, a cylindrical chamber enclosing exactly said screw, means for rotating said screw inside said chamber, and common means for feeding the ice cream into and out of one end of said chamber, through the chamber wall.

2,474,731

TWO-WAY PLOW

Russell T. Evans and John H. Clasen, Anaheim, Calif., assignors to Alice Marian Mellen, Whittier, Calif.

Application May 5, 1945, Serial No. 592,104
17 Claims. (Cl. 97—29)



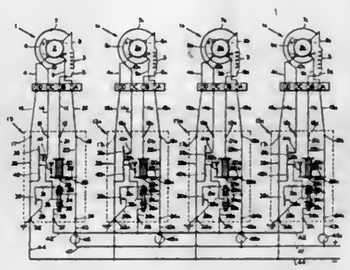
1. In combination in a plowing structure: a frame; means to lift said frame; a plow movably carried on said frame; a lifting arm for said plow connected with said plow and movably mounted on said frame; trip means having a shoulder with respect to which said frame is movable; movable latch means on said arm comprising a leaf member one end of which is adapted to engage with said shoulder of said trip means; and tensionable means controlling said latch means and connected with the other end of said leaf member and adapted to jerk said leaf member into position to disengage the latter from said trip means upon development of predetermined tension in said tensionable means.

2,474,732

AUTOMATIC CONTROL SYSTEM FOR DYNAMOELECTRIC MACHINES

William F. Fell and Evan S. Smith, Hasbrouck Heights, N. J., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Original application August 10, 1943, Serial No. 498,122. Divided and this application February 19, 1946, Serial No. 648,782
2 Claims. (Cl. 171—119)



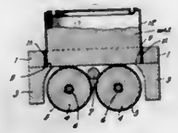
1. In combination, a load circuit, a plurality of generators, means connecting said generators to said load circuit, a regulator associated with each of said generators, each regulator including a variable resistance carbon pile element arranged to control the voltage output of its associated generator, electromagnetic means for varying the resistance of said carbon pile element, said electromagnetic means including a first winding connected across the output of its associated generator to regulate said carbon pile element so as to maintain a substantially constant voltage output from said associated generator, and a second winding for varying the voltage setting of said first winding, circuit means interconnecting the second winding of each regulator to the second winding of the other of said regulators, said circuit means including line resistance in the output circuit of each generator, a voltage dividing means connected across said line resistance and arranged in said circuit means in such a manner that upon a difference in the voltage drop across the line resistances of said regulators there may be effected a current flow through said second windings in such a direction as to tend to maintain a predetermined division of load between the respective generators, and said voltage dividing means including an adjustable resistance for effecting an initial balance of the load currents provided by the several generators upon a predetermined division of the load.

2,474,733

SELF-FEEDING PASTE FLOOR WAX APPLIER

William S. Gallagher, Brantford, Ontario, Canada

Application July 6, 1946, Serial No. 681,629
In Canada May 30, 1946
3 Claims. (Cl. 91—48)



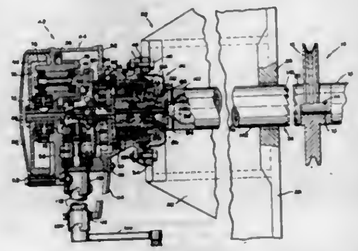
3. An applicator having a hollow body, a plurality of rolls, means for rotatably mounting the rolls in parallel relation in said body, said body having an opening in its bottom through which said rolls project to engage a surface, an opening in the top of the body for receiving a receptacle containing material to be applied and opening directly onto said rolls, the opening being slightly larger and of substantially the same contour as that of the receptacle, the wall of said opening being provided with means for supporting the receptacle, a roll disposed in the bight between the upper surfaces of the first-mentioned rolls, said roll being freely rotatable and adapted to be rotated by frictional contact with said first-mentioned rolls, and handle means connected to said body.

2,474,734

ENGINE STARTER APPARATUS

Samuel Gilbert, Cedar Grove, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application November 26, 1946, Serial No. 712,465
2 Claims. (Cl. 123—179)



1. In starter apparatus for an engine including a radiator and a shaft, said apparatus comprising a starter including a flywheel, a flywheel pinion, a rotatable internal gear having a sun gear, a bell gear engaging said pinion and having a pinion engaging said internal gear, a stationary orbital gear, a barrel, planet gears between said stationary orbital and sun gears, an axially stationary rotatable nut in said barrel, a bevel gear coaxial with said internal and orbital gears, a two-part torque limiting friction disc pack in said barrel having discs of one part splined to said barrel and said nut, respectively, and discs of the other part connected to said barrel and said bevel gear, respectively, a second bevel gear engaging said first bevel gear, mesh rod means, and a screw shaft having long lead thread connection to said nut therein, the combination of a one-piece engine-jaw member adapted for mounting on said engine shaft end, adapter means having an end portion adapted for mounting on the engine with an intermediate portion extending under the radiator and a starter mounting opposite end portion extending upwardly from said intermediate portion at a position beyond the radiator from the engine, a one-piece starter jaw member having its jaw means at one end and a shank at the other end splined to said screw shaft, said starter jaw member having an elongated tubular body extending from said shank end under the radiator above said intermediate adapter portion to its jaw means at the other end for cooperation with the engine jaw member, said mesh rod means being operative for actuating said screw shaft to engage said starter jaw member to said engine jaw member, an arm carried by and extending from said starter and having bearing means spaced from the starter and a shaft in said bearing means having opposite end means adapted for bayonet connection to said second bevel gear and a hand crank, respectively.

2,474,735

DEHYDRATION OF COMPOUNDS BY DISTILLATION WITH HYDROPHOBIC OIL

William S. Harmon, Elizabeth, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application May 16, 1945, Serial No. 594,169
7 Claims. (Cl. 202—42)

1. The process that comprises adding an aqueous solution of essentially non-volatile material in the form of a fine spray to a hot hydrophobic oil which has a boiling point in excess of about 200° C., and which is a non-solvent for said material, controlling the rate of addition of said solution, while continuously heating said hydrophobic oil so that a mixture of hydrophobic oil and water from said solution is continuously and instantaneously distilled, substantially without penetration of water into the body of said oil, thereby forming a finely divided and essentially anhydrous suspension of said material in hydrophobic oil.

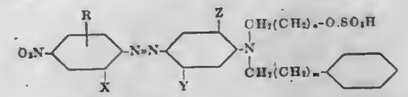
2,474,736

MONOAZO DYESTUFFS

Basil Jason Heywood, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application August 3, 1945, Serial No. 608,842. In Great Britain August 28, 1944
4 Claims. (Cl. 260—205)

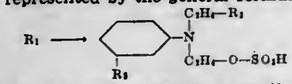
1. A monoazo dyestuff represented by the formula



wherein R and X are selected from the group consisting of —H, —CH_3, —OCH_3, —Cl, —Br and —NO_2, Y and Z are selected from the group consisting of —H, —CH_3, —OCH_3 and —Cl, n is an integer from 1 to 4, and m is an integer from 1 to 3.

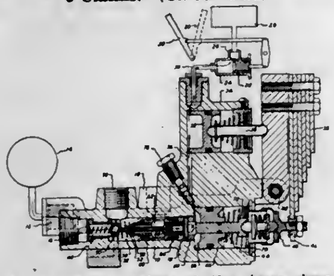
2,474,737
MONOAZO DYESTUFFS
Basil Jason Heywood, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 3, 1945, Serial No. 608,844. In Great Britain August 28, 1944
4 Claims. (Cl. 260—205)

1. A monoazo dyestuff which in the form of its acid is represented by the general formula,



wherein R_1 is a member selected from the group consisting of 2-cyano-4-nitroaniline, 2-cyano-6-chloro-4-nitroaniline and 2-cyano-6-bromo-4-nitroaniline; R_2 is a substituent selected from the group consisting of hydrogen, chloro and methyl; and R_3 is a radical selected from the group consisting of phenyl, phenoxy, tolyloxy and chlorophenoxy.

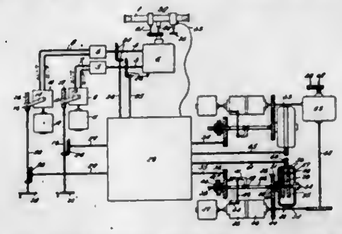
2,474,738
HYDRAULICALLY OPERATED BRAKE VALVE
Charles Hollerith, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application July 10, 1946, Serial No. 682,672
3 Claims. (Cl. 60—54.5)



2. A regulating valve of the type described comprising a body having co-axial inlet, brake, return and displacement chambers, said inlet chamber being adapted for connection to a source of the hydraulic pressure medium and said displacement chamber having a movable wall adapted to be acted upon by the hydraulic pressure built up in said chamber to produce a piston effect, a restricted passageway extending between said brake and displacement chambers and providing a choked flow of the operating fluid to take place between the two chambers, an inlet valve, a fluid motor for actuating said valve, and an air bleeder passage between said motor and said displacement chamber.

2,474,739
FIRE CONTROL APPARATUS FOR GUNS
Maurice Kerr Ingoldby, deceased, late of Tynemouth, England, by Thomas Frederick Clarke, Swanley, England, and Percy William Cole, Purley, England, executors, assignors to Vickers-Armstrongs Limited, London, England, a company of Great Britain
Application February 27, 1945, Serial No. 580,031
In Great Britain October 12, 1937
Section 1, Public Law 690, August 8, 1946
Patent expires October 12, 1958
11 Claims. (Cl. 89—41)

1. In a fire control system, sighting means, a predictor, input and output motion transmitting members associated with said predictor, gun operating mechanism controlled by the output members of the predictor, hydraulic motors having output connections to said sighting means for imparting training and elevating movements to the sighting means and also having driving connections to the input members of the predictor so as to apply to the predictor measurements of



training and elevating displacements of the sighting means, hydraulic fluid pressure generating means supplying said motors, means regulating the supply of hydraulic fluid pressure to said hydraulic motors for selectively controlling the adjustment of the sighting means for training and elevation, and means transmitting to the predictor a measure of the rate of training and elevation applied to said regulating means.

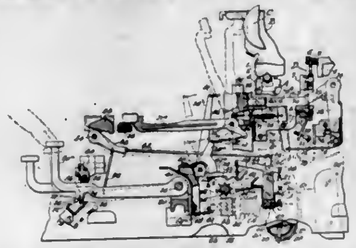
2,474,740
PROCESS OF PREPARING PARTIAL ESTERS OF GLYCERINE AND FATTY ACIDS
Martin Hill Ittner, deceased, late of Township of Wall, Monmouth County, N. J., by Hildegard H. Ittner, executrix, West Hartford, Conn., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application April 12, 1946, Serial No. 661,891
4 Claims. (Cl. 260—410.7)

1. The process of preparing partial esters of glycerine and fatty acids having a larger number of free hydroxy groups than the starting glycerides which comprises feeding the fatty glycerides having at least two esterified hydroxy groups and glycerine containing a minor proportion of water into the lower and upper ends, respectively of a vertical reaction zone, passing the materials in countercurrent flow through the reaction zone at a temperature within the range of about 200° to 350° C. under sufficient pressure to keep water in liquid phase, and withdrawing the reaction product and excess glycerine from the top and bottom of reaction zone, respectively.

2,474,741
POWER-OPERATED TYPING MECHANISM FOR TYPEWRITERS OR LIKE MACHINES
John J. Kittel, St. Albans, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application July 27, 1945, Serial No. 607,293
14 Claims. (Cl. 197—17)

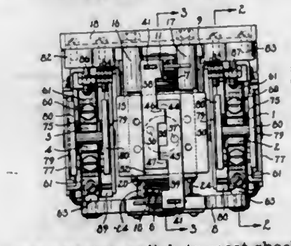
14. In a typewriting machine, type-carrying members; means mounting said members for movement from inactive position to typing position and return; a motor; a toothed rotary element; a kinetic type fluid coupling for transmitting drive from said motor to said toothed rotary element, the latter being capable, because of the impositive drive-transmitting characteristics of said coupling, of normally floating with respect

to said motor; and, respectively associated with each of a plurality of said members, power-transmitting mechanism operatively connected to said type-carrying member and including an actuator normally disengaged from said rotary ele-



ment but being adapted to be moved into engagement with said element to be driven thereby so as to effect movement of said type-carrying member to typing position; and key-operated means for moving said actuator into engagement with said rotary element.

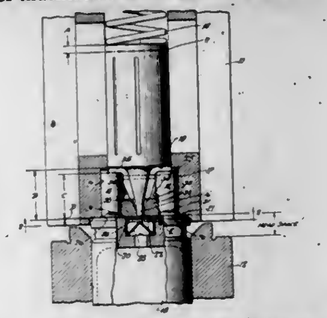
2,474,742
ELECTROMAGNETIC SWITCH
Clarence W. Kuhn, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 8, 1943, Serial No. 493,811
17 Claims. (Cl. 200—103)



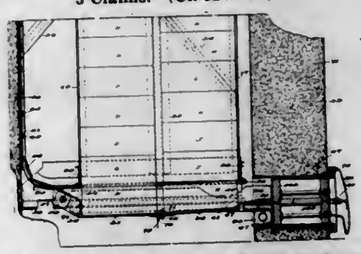
1. In an electric switch to meet shock test, the combination with a pair of coacting contacts, both movable, of individual actuating means for said contacts having like movements oppositely of one another to move said contacts into and out of abutting relation, and means by which said actuating means are interconnected to prevent at any time such movements thereof independently of one another whereby they are subjected to counteraction one by another under shock.

2,474,743
BREECH BOLT WITH GAUGE MEMBERS
Alexander Kurti, Woodbury, Conn., assignor to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application March 11, 1946, Serial No. 653,557
4 Claims. (Cl. 42—16)

2. In a firearm adapted to fire cartridges having a base-mounted primer, the combination comprising a bolt having a face for abutment with the base of a cartridge for chambering the cartridge, a firing pin associated with said bolt and slidable with respect thereto, said pin having a nose for indenting the primer and an abutment portion, a gauging member interposed between said pin and the base of the chambered cartridge and having its opposite end faces adapted to abut said portion and base to determine the degree of indentation of the primer, said bolt having a guiding aperture for said member, and said member having a cam surface adjacent its forwardly disposed said end for engagement by a cartridge about to be chambered.

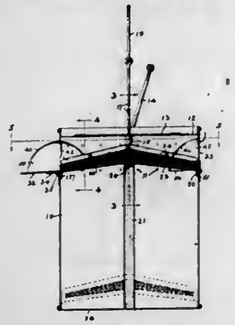


2,474,744
DISPENSING MEANS
Albert L. Lambert, Narberth, and Edgard C. Franco-Ferreira, Jenkintown, Pa., assignors to Heintz Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 11, 1944, Serial No. 544,354
3 Claims. (Cl. 312—67)



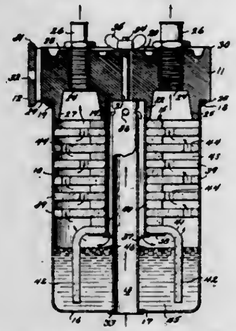
1. A dispensing device for packaged goods comprising, means for supporting two columns of packages with one column disposed directly behind the other, a drawer having side and bottom walls and adapted to contain two packages one directly beneath each column when the drawer is in closed position, means for supporting said drawer for sliding movement from its closed to an open position in which the package in the front portion of the drawer may be removed, means for supporting the rear column of packages above the upper level of the drawer bottom when the drawer is in open position, the front column of packages being then supported by the package in the rear of the drawer, whereby when the drawer is closed after removal of a package the weight of the front column of packages on the remaining package in the drawer will cause that package to remain beneath the front column as the drawer slides to closed position despite the frictional engagement of the drawer and package so that said remaining package is disposed in the front portion of the drawer when the latter is again in closed position, and the bottommost package in the rear column drops into the rear portion of the drawer.

2,474,745
MINNOW BUCKET
John R. Lewis, Indianapolis, Ind.
Application June 21, 1947, Serial No. 756,129
7 Claims. (Cl. 43—56)



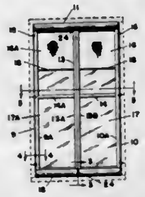
1. A live bait container comprising a bucket; a basket carried therewithin; members shiftable vertically of the bucket for lifting and lowering said basket; said basket having at opposite sides restricted openings therefrom at the floor level of the basket; said bucket having side openings coinciding with said basket openings when the basket is in an uppermost position; and a door over each of said bucket openings hinged to open outwardly and downwardly to form discharge chutes from said basket openings.

2,474,746
AIR CLEANER
Rufino Lopez and Bernard Allen, Brownsville, Tex.
Application May 18, 1948, Serial No. 27,785
5 Claims. (Cl. 261—99)



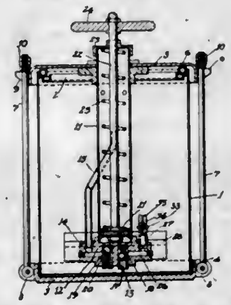
1. An air cleaner of the type described, comprising a manifold having a plurality of air outlets extending therethrough and adapted to be connected to the air intakes of air operated instruments; a container depending from and detachably connected to said manifold with said outlets communicating with the interior of the container, the bottom of said container being adapted to hold a pool of lubricating oil; a hollow member depending from and detachably connected to said manifold and having its lower end open and spaced above the bottom wall of the container; a plurality of spaced baffle members mounted on said hollow member and having their outer peripheral edges engaging the inner peripheral side walls of the container, said baffle members having staggered openings therein to provide a plurality of continuous tortuous courses for air through the container; and an air inlet conduit having one end communicating with the upper end of said hollow member and its other end communicating with the exterior of the cleaner whereby when the instruments connected to the manifold outlets are operated, the air consumed in their operation will pass through the air cleaner and the dust particles carried by the air will be ensnared and removed by the baffle members and the air as it passes through the container will be impregnated with oil vapor for lubricating the instruments as the air passes therethrough.

2,474,747
COMBINATION SCREEN AND STORM WINDOW
Enric Madriguera, North Yonkers, N. Y.
Application September 24, 1945, Serial No. 618,198
6 Claims. (Cl. 160—25)



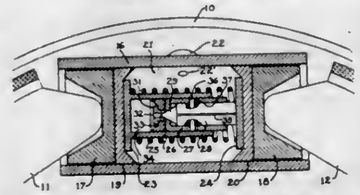
1. In a device of the character described, the combination of a frame, guide members on said frame, upper and lower rollers adapted to accommodate a length of flexible material, one half of which comprises a screen and the other half of which comprises a window.

2,474,748
HYDRAULIC BRAKE FLUID PUMPING APPARATUS
John C. McMurray, Winthrop, Mass.
Application March 19, 1946, Serial No. 655,549
2 Claims. (Cl. 222—67)



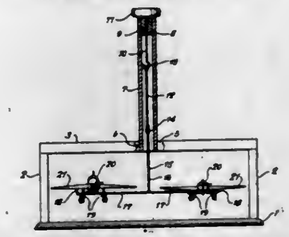
1. An apparatus for filling hydraulic brake systems of motor vehicles comprising a container, a cover member for the container, a cylinder carried by the cover member and depending into the container, said cylinder having inlet and discharge ports at its lower end, inlet and discharge valves controlling said ports, a piston in said cylinder, means accessible from the exterior of the cover member to give said piston its suction stroke, a spring within the cylinder for giving said piston its discharge stroke, said cylinder also having a by-pass port which provides communication between the interior of the cylinder and the interior of the container, a by-pass valve separate from both the inlet and discharge valves for controlling said by-pass port said by-pass valve closing against the pressure in the cylinder and a float connected to said by-pass valve and holding it closed so long as the liquid level in the container is above a pre-determined low-level point but opening the valve when said liquid level falls below said pre-determined low-level point.

2,474,749
SELF-ADJUSTING HYDRAULIC BRAKE MECHANISM
Theodore E. Miller, Detroit, Mich.
Application August 27, 1945, Serial No. 612,883
13 Claims. (Cl. 188—152)



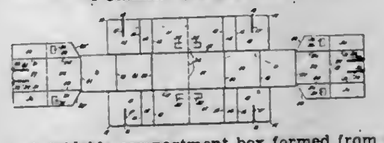
1. A brake wear-compensating unit for a piston and cylinder fluid pressure brake actuator comprising means forming a self-contained fluid expansible trap chamber, valve means, a valve actuating member connecting with the valve means adapted to open the valve means to admit fluid to said chamber in response to brake-actuating movement of a brake piston and adapted to close the valve means to trap fluid in said chamber in response to brake-releasing piston movement, means adapted to vary the fluid capacity of said chamber actuatable by the valve actuating member and brake piston release stop means adapted to be controlled by the volume of fluid trapped in the chamber.

2,474,750
AIRPLANE TOY
Jacob Moeller, Cincinnati, Ohio
Application January 5, 1946, Serial No. 639,298
1 Claim. (Cl. 272—31)



An aeroplane toy comprising, in combination, an elongated base, an upstanding wall at each end portion of said base, a plurality of cross-members joining the upper ends of said walls, a vertical, hollow standard secured to said cross-members centrally above said base, a bearing block in the upper end of said standard, a vertical shaft journalled in said block and projecting above said standard, a winding disc secured to the upper end of said shaft, a hook formed at the lower end of said shaft, a length of endless cord in said standard, a carrier, said carrier being formed from one piece wire rod and comprising a vertical splice, a closed loop at the upper end thereof, a pair of horizontal arms outstretched in opposite directions from the lower end of said splice, and an angulated portion at the outer end of each of said arms, said cord passing around said hook and through said loop to suspend said carrier from said shaft, and a pair of toy aeroplanes, each of said arms passing through the undercarriage of one of said aeroplanes, said angulated portion bearing against the underside of the starboard wing thereof to retain the toy aeroplanes substantially horizontal, and said aeroplanes revolving about the vertical axis of said carrier upon manipulation of said disc.

2,474,751
FOLDABLE COMPARTMENT BOX
Emil Morand, Jersey City, N. J.
Application March 21, 1946, Serial No. 655,929
4 Claims. (Cl. 229—28)



1. A foldable compartment box formed from a blank of sheet material and comprising a bottom panel and side panels, each side panel having longitudinal partition members extending from each end thereof including an intermediate spacer section, said spacer sections and longitudinal partition members being adapted to be infolded to dispose the latter within the box interior in spaced parallel relation to the side panels and so that said spacer sections cooperate with said side panels to form closed box end corners, transverse partition members adapted to be engaged with and across said longitudinal partition members between said side panels, a relatively foldable, longitudinally sequential, arrangement of outer end panel, top panel and tuck-in end panel extending from each end of said bottom panel, each said tuck-in end panel having side flaps laterally extending therefrom, each said arrangement being adapted to be in-folded so that the outer end panels respectively close the opposite exterior box ends and the top panels close the box top with said tuck-in end panels inserted within and through the box interior in face to face relation to extend perpendicularly to the bottom panel between opposed inner ends of said inturned longitudinal partition members and transversely between said side panels and with said side flaps of the tuck-in end panels extending inwardly therefrom to lie contiguous to the side panels, whereby to form closed corners intermediate said tuck-in end panels and side panels, and a line of weakening perforations extending across said side and bottom panels medially of the inserted tuck-in end panels, whereby to permit division of the box, by rupturing said side and bottom panels along said line of perforations, into two completely closed box units.

2,474,752
FISHERMAN'S KIT
Ora A. Montgomery, Miami, Okla.
Application August 7, 1944, Serial No. 548,428
5 Claims. (Cl. 43—31)

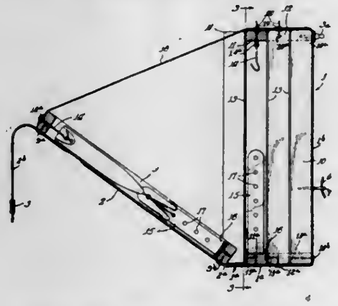
2,474,754
LUBRICATOR
Auben E. Moxley, East Orange, N. J., assignor to Bel-Ray Company, Inc., Newark, N. J., a corporation of New Jersey
Application November 21, 1946, Serial No. 711,274

for selectively energizing the electromagnets to lock the chain sprockets in accordance with the position of carriage travel.

2,474,756
HONING TOOL FOR EXTERNAL CYLINDRICAL SURFACES

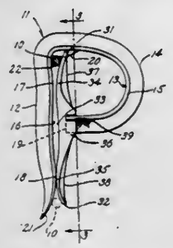
vice with a driving motor for modulating the transmitter, a central A. C. power supply and control circuit with three branch circuits, the first branch circuit including the motor of the phonographic device, the second branch circuit including a transformer primary, an electromagnetic contact device and a time operated switching device in said A. C. power supply and control

2,474,752
FISHERMAN'S KIT
Ora A. Montgomery, Miami, Okla.
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5 Claims. (Cl. 43—31)



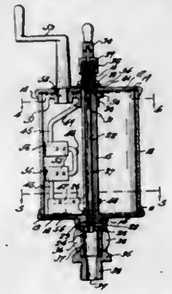
2. A fisherman's kit, comprising: a cover member; front, intermediate and rear frame members within said cover member, each of said frame members including means for supporting a plurality of baits therein; means rigidly securing said rear frame member with respect to said cover member; means mounting said front and intermediate frame members for outward pivotal movement with respect to said rear frame member; and means secured to said front and rear frame members limiting the outward pivotal movement of said front frame member with respect to said rear frame member, said last-named means also serving to detachably maintain said intermediate frame member in substantially parallel relationship with said rear frame member.

2,474,753
SPRING CLOTHESPIN
Glenn R. Morton, Grand Island, Nebr.
Application July 29, 1947, Serial No. 764,308
4 Claims. (Cl. 24—137)



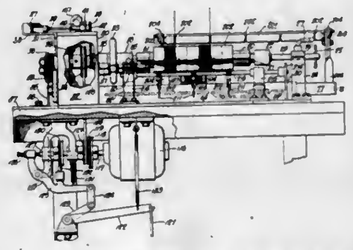
1. A clothes pin, comprising a substantially P-shaped resilient member including a leg and an integral loop, said loop including a lower end terminating short of and in slightly spaced relation to said leg between the ends thereof, a clamping member interposed between said lower end of said loop and said leg, a rockable connection between an intermediate portion of said clamping member and said lower end of said loop, said loop resiliently clamping said clamping member against said leg.

2,474,754
LUBRICATOR
Auben E. Moxley, East Orange, N. J., assignor to Bel-Ray Company, Inc., Newark, N. J., a corporation of New Jersey
Application November 21, 1946, Serial No. 711,274
7 Claims. (Cl. 184—82)



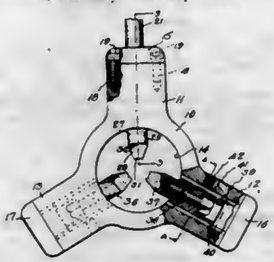
1. A lubricator comprising a reservoir member having transparent side walls, said reservoir member being provided with manipulatable valve controlled discharge means, a revolvable lubricant agitator means mounted within said reservoir member to freely revolve about said discharge means, said agitator means having wiper means adapted to traverse the interior surface of the transparent side walls of said reservoir member when said agitator means is revolved, and means for revolving said agitator means.

2,474,755
COIL WINDING MACHINE
Leon E. Pamphilon, Yeadon, Pa., assignor to Airdesign, Incorporated, Upper Darby, Pa., a corporation of Pennsylvania
Application September 12, 1947, Serial No. 773,593
9 Claims. (Cl. 242—10)



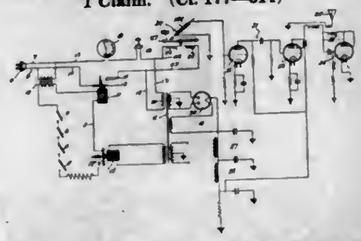
1. A coil winding machine comprising a base member, a mandrel adapted to receive a coil foundation, a support on said base member for said mandrel, means for rotating said mandrel, a carriage adapted to oscillate axially with respect to the mandrel, a pair of sprockets mounted on said base member in axial alignment with the mandrel, a chain mounted on said sprockets, driving connections for the mandrel and one of said sprockets, a pair of chain sprockets mounted on said carriage and adapted to engage opposite lengths of said chain, an electromagnet associated with each of said chain sprockets and adapted to electromagnetically lock the chain sprockets with respect to the carriage, and means for selectively energizing the electromagnets to lock the chain sprockets in accordance with the position of carriage travel.

2,474,756
HONING TOOL FOR EXTERNAL CYLINDRICAL SURFACES
Walter J. Papciak, Detroit, Mich.
Application November 19, 1946, Serial No. 710,869
3 Claims. (Cl. 51—205)



1. A device of the character described comprising, a body provided with a work receiving aperture and a plurality of hollow outwardly radiating legs, said legs having open outer ends, each of said legs provided with a socket extending throughout its length, a sleeve member held against independent rotation within each of said sockets, each sleeve having a tapering socket at one end, a honing tool having an inner tapering end fitted into engagement with the socket of each of said sleeves to properly align the tool, said tools converging on the central axis of the work receiving aperture, an elongated anchoring screw rotatably adjustable longitudinally of each of said sleeves, said screws carrying said tools, one of said tools being held in engagement with the work under the resilient tension of a coil spring to yieldably contact the work within the work receiving aperture, the remaining tools being selectively adjustable toward and away from the work, and a removable closure for the open outer end of each leg for shielding said anchoring screws within said legs against contact with foreign objects and thereby avoiding maladjustment of the tools.

2,474,757
BURGLARY OR FIRE ALARM SYSTEM
Daniel Parilla, Brooklyn, N. Y., assignor of fifty per cent to Sebastiano D'Amico, Brooklyn, N. Y.
Application June 4, 1945, Serial No. 597,473
1 Claim. (Cl. 177—314)

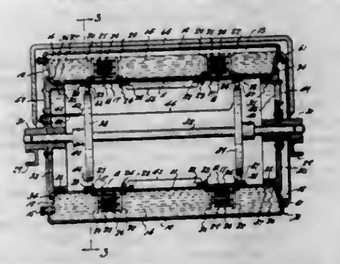


An alarm circuit comprising a radio transmitter, a rectifier arrangement for supplying the same with rectified current, a phonographic device with a driving motor for modulating the transmitter, a central A. C. power supply and control circuit with three branch circuits, the first branch circuit including the motor of the phonographic device, the second branch circuit including a transformer primary, an electromagnetic contact device and a time operated switching device in said A. C. power supply and control circuit, controlling the two aforementioned branch circuits only, a master relay circuit having a secondary winding coupled with the transformer primary, a normally closed protective circuit containing alarm contacts and an alarm relay, the latter operating the aforesaid electromagnetic contact device, means for providing said protective circuit with current, said means including the third branch circuit, branching off from the central A. C. power supply and control circuit and a transformer, a master relay in said master relay circuit, and contacts controlled by said master relay, opening the protective circuit when the master relay is energized.

2,474,758
COMPLEX SALTS OF STREPTOTHRICIN
Robert L. Peck, Plainfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application August 24, 1945, Serial No. 612,558
14 Claims. (Cl. 260—236.5)
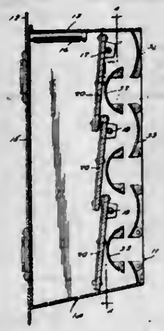
5. The process for preparing complex salts consisting of a streptothricin acid salt and an alkaline earth metal halide that comprises reacting a streptothricin acid salt with an alkaline earth metal halide in a solvent medium in which these reactants and the corresponding complex salt are freely soluble, and separating the complex salt thus formed by changing the relative proportion of the solvent in the total liquid mass and crystallizing out the substantially pure streptothricin complex salt.

2,474,759
SNOW REMOVER
Harry Schmitz, Brooklyn, N. Y.
Application February 21, 1948, Serial No. 10,001
5 Claims. (Cl. 219—19)



1. In apparatus for the purposes described, a hollow roller having spaced external and internal circumferential walls and connecting end walls adapted to define an annular liquid containing chamber, electrical heater means of the liquid-in-circuit type submerged in the liquid content of said chamber, means to serve operating current to said heater means, and a framework having means for supporting the roller subject to tractional rotation, said framework being adapted to be connected to an automotive vehicle by which the roller is to be propelled.

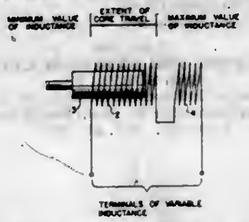
2,474,760
AUTOMATIC VENTILATOR
George J. Smith, Thorndike, Mass.
Application March 29, 1946, Serial No. 657,956
1 Claim. (Cl. 98—99.8)



An automatic window ventilator comprising a box-like frame adapted to be mounted in a window opening of a room, a screened front closure for said frame, means hingedly connecting said screen to said frame, spring means biasing said screen toward a closed position, a plurality of transparent shutters, means pivotally mounting said shutters on vertically-spaced horizontally-disposed axes extending across an intermediate portion of said frame inwardly of said screen, said shutters being adapted to overlap each other when in closed positions to form a substantially closed and transparent wall for said frame, means linking said shutters together for simultaneous movement, means inwardly of said room for opening and closing said shutters, a plurality of stationary transparent baffle plates mounted rearwardly of said shutters and extending across said frame, alternate ones of said baffle plates being oppositely curved and overlapping each other in spaced relation, and spring means operatively connected to said shutters and biasing the same toward a closed position.

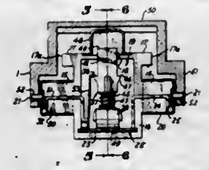
2,474,761
COIL HAVING A SLIDABLE CORE AND METHOD OF ESTABLISHING THE RATIO BETWEEN THE MAXIMUM AND MINIMUM INDUCTANCE THEREOF
Theodorus Antonius Spoor, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 22, 1946, Serial No. 663,817
In the Netherlands July 15, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 15, 1962
3 Claims. (Cl. 171—242)

2. A variable inductance system comprising a first coil element, a second coil element connected in series with said first coil element, said second coil element having a plurality of turns and being coaxial and longitudinally spaced from said first coil element, and a movable magnetic core slidable within said first coil element from a first position corresponding to a minimum inductance value of the first coil element to a second position corresponding to a maximum inductance value of said first coil element, said second coil element being so disposed remote from said minimum inductance position of said core and adjacent said maximum inductance position of said core that the removal of each turn



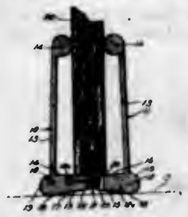
of said second coil successively increases the ratio of maximum to minimum inductance of said inductance system.

2,474,762
CIRCUIT BREAKER
Edward V. Sundt, Arcadia, Calif.
Application May 26, 1945, Serial No. 596,053
8 Claims. (Cl. 200—116)



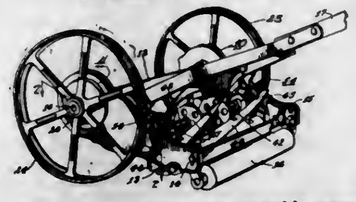
1. A circuit breaker comprising; a hollow body having spaced external electrodes, a pair of spaced bus bars connected to said electrodes, one of said bus bars having a bimetallic portion formed with a stop, a jumper bar for interconnecting said bus bars, and means mounting said jumper bar for releasing the bus bars' connection upon a predetermined current passing through said bus bars, said means including a push button extending through a wall of said body having a stop engaging abutment, a flexible shield over the external end portion of said push button and having its marginal edge portions sealed to said body and a guard over the shield pivotally secured upon the body.

2,474,763
NAPKIN HOLDER
Halford R. Thomas, Alhambra, Calif.
Application October 30, 1945, Serial No. 625,573
4 Claims. (Cl. 211—50)



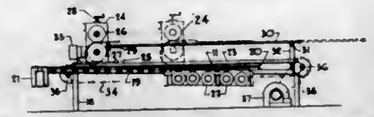
1. A holder for paper napkins or the like, comprising a pair of upstanding sections adapted to rest on a surface and to receive the napkins on edge between them, each section having an inwardly projecting napkin supporting lower portion forming a base extending continuously from one side to the other of the section, and pivotal means interconnecting said lower portions of the sections whereby the sections rock together and press against the napkins.

2,474,764
TWO-SPEED LAWN MOWER
Samuel P. Townsend, Maplewood, N. J.
Application February 18, 1946, Serial No. 648,288
5 Claims. (Cl. 56—249)



1. A two-speed lawnmower assembly comprising a pair of spaced housings, a main shaft journaled in said housings, a pair of driving wheels journaled on said main shaft, a reel shaft journaled in said housing, a gear mounted at each end of said reel shaft, means operatively associated with said gears for selectively clutching and declutching said gears to the reel shaft, a gear train in each housing connecting each reel shaft gear to the main shaft, said gear trains being of different ratios whereby when one reel shaft gear is clutched to the reel shaft a relatively slow speed of the reel is attained, and when the opposite gear is clutched to the reel shaft, a relatively high reel shaft speed is attained.

2,474,765
PACK OPENING AND SHEET RECEIVING MEANS
Bernard G. Vaughn and William V. Fell, Zanesville, Ohio, assignors to Armco Steel Corporation, a corporation of Ohio
Application August 24, 1945, Serial No. 612,492
6 Claims. (Cl. 271—10)

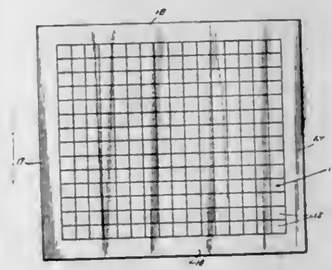


4. In a pack opening device, a frame, a bed mounted on said frame upon which a pack may be placed, means for clamping the pack to the bed, a carriage mounted on the frame above the bed and pack for movement longitudinally of the pack, pinch rolls mounted in the carriage, means for driving said pinch rolls, means for driving said carriage in a traverse path substantially throughout the length of said pack and back to a starting position, said pinch rolls being adapted to receive the freed end of a pack sheet, a limit switch located adjacent said pinch rolls to be contacted by a sheet engaged in said pinch rolls, said switch acting to initiate a traverse of said carriage away from the pack end from which said sheet has been freed, a second limit switch located beyond the opposite end of the pack to be actuated by said carriage to initiate return movement thereof, and a third limit switch located near the first mentioned end of said pack to stop the carriage upon completion of its return traverse.

2,474,766
ALLOY STEEL
Alvin G. Waggoner, Philadelphia, and William B. Brooks, Pittsburgh, Pa.
No Drawing. Application October 11, 1945, Serial No. 621,860
7 Claims. (Cl. 75—123)

1. A low alloy, high tensile steel suitable for the production of plates having improved weldability, said steel containing 0.12 to 0.20 per cent carbon, 0.40 to 0.90 per cent manganese, 0.50 to 1.50 per cent silicon, 0.08 per cent maximum phosphorus, 0.04 per cent maximum sulphur, 0.20 per cent maximum chromium, from a trace to 1.0 per cent nickel, from a trace to 0.35 per cent copper, 0.03 to 0.20 per cent titanium, 0.10 to 0.45 per cent of an element selected from the group consisting of molybdenum, zirconium, vanadium and columbium, the remainder being substantially all iron.

2,474,767
COMPOSITION FLOOR COVERING OF RESILIENT PLIABLE COATED MATERIAL
William Robert Walker, Baltimore, Md.
Application October 2, 1944, Serial No. 558,769
2 Claims. (Cl. 20—6)



1. A floor covering comprising a frame of a material consisting of a smooth layer provided with a backing fixed to the floor with its upper surface at a level corresponding to twice the thickness of the aforesaid material, said frame encircling an opening, and of a number of separate unconnected units, each consisting of two sheets of the aforesaid material of the same size, having their backings adhesively secured together with the smooth layers turned outwardly, a number of such units being aligned side by side solely in frictional contact with the floor, filling the opening encircled by the frame, said units being wedged in so as to be held by the frictional contact between each other and between them and the frame, said frame and said units being resilient and pliable.

2,474,768
CUSHION OR MATTRESS UNIT
Elmer J. Wines, South Gate, Calif., assignor to William Pensak, Los Angeles, Calif.
Application March 8, 1946, Serial No. 653,065
5 Claims. (Cl. 5—353)

1. A method of constructing a cushion or mattress unit having a coiled spring enclosed by a bag, comprising the following consecutive steps of rolling an elongated sheet of flexible material into hollow elongated cylindrical form, gather-

ing the material at each end and encircling the gathered material by a filamentary element, turning the unit so formed inside out, and inserting a suitable spring coil coaxially into the unit.

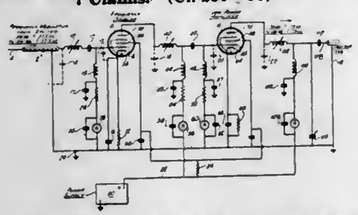


2,474,769

HIGH-FREQUENCY CIRCUITS

John E. Young, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 16, 1945, Serial No. 622,603
7 Claims. (Cl. 250—36)



1. High frequency apparatus comprising a two conductor transmission line, a vacuum tube of the pentode type having an anode, a cathode, a grid, a screen grid and a suppressor grid, the suppressor grid being directly connected to said cathode, a connection from one output terminal of said line to the grid of said pentode tube, said connection including in series a first variable high frequency inductance coil and a blocking condenser, a low impedance connection from the other output terminal of the line to the cathode, circuits for subjecting said anode, cathode, grid and screen grid to suitable operating potentials, and a resonant output circuit connected between said anode and cathode, said output circuit comprising a second variable high frequency coil in series with the anode, said first and second coils operating in conjunction with the stray grid to ground and plate to ground capacities respectively of said pentode tube at high frequencies, and means including a choke coil connected in series with said second mentioned coil for supplying plate potential to the anode of said pentode.

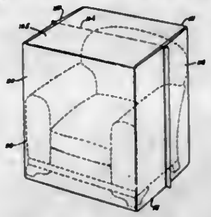
2,474,770

BAG AND METHOD OF MAKING THE SAME

Stanley G. Yount, Los Angeles, and Paul R. Halstead, Compton, Calif., assignors to Southland Paper Converting Company, Los Angeles, Calif., a corporation of California

Application May 15, 1944, Serial No. 535,642
7 Claims. (Cl. 229—53)

1. A paper bag comprising when collapsed side walls lying in parallel planes, a bottom having a gusset fold parallel to said side walls and substantially co-extensive in width with the latter, a sealed junction between said side walls parallel to the line of the gusset fold, the ends of said side walls being closed with the ends of said gusset



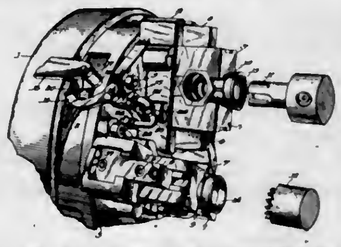
folds included in the closing and said ends of the side walls having no gussets therein, said bag being adapted to open into a receptacle of substantially rectangular cross section with parallel side walls and parallel end walls, the latter being formed from end portions of the side walls.

2,474,771

AIR OPERATED CHUCK

James B. Amstutz, Oak Park, and Otto E. Fieroh, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois

Application January 23, 1947, Serial No. 723,688
4 Claims. (Cl. 279—4)



1. A fluid operated chuck comprising in combination a set of jaws, fluid conveying means for effecting actuation of the said chuck, chuck blocks attached to the chuck for holding articles to be machined, a wedge member for holding the said jaws in spaced apart relationship so that upon predetermined movement of the said wedge member relative to the said jaws the latter members are reciprocably moved, a fluid chamber within the chuck cooperating with the said fluid conveying means, piston means fastened to the said wedge member, and valve means actuated upon rotation of the said chuck for release of fluid pressure from the said chuck chamber whereupon the said jaws move apart upon the said wedge member to thereby release the machined article.

2,474,772

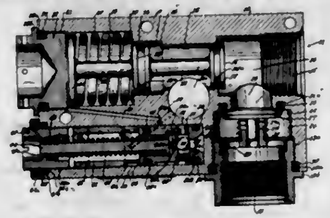
UNLOADING VALVE

Benjamin N. Ashton, Kingston, N. Y., assignor to Electrol Incorporated, Kingston, N. Y., a corporation of Delaware

Application November 24, 1943, Serial No. 511,514
2 Claims. (Cl. 137—153)

1. A valve for high pressure hydraulic systems comprising a casing having a bore therein,

said bore having in end to end alignment a first bore portion, a second bore portion of smaller diameter than said first portion, a third bore portion of larger diameter than said second bore portion, and a fourth bore portion of larger diameter than said third bore portion, said fourth bore portion forming a cylinder, and said first bore portion being adapted to be connected with a source of liquid under pressure, a liquid return line communicating with said second bore portion, a piston in and slidable axially of said cylinder, a valve plug having a peripheral groove



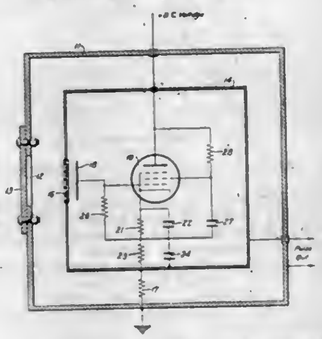
therein connected to said piston and movable therewith into and out of said second bore portion, a rubbery ring in said groove for sealing engagement with said plug and said second bore portion, a member having a peripheral groove therein fixed to and spaced from said valve plug and disposed in said third bore portion and a rubbery sealing ring in the last mentioned peripheral groove in sealing relation to said member and said bore for preventing communication between said second bore portion and said cylinder.

2,474,773

RADIATION DETECTOR

William R. Baker, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application November 6, 1947, Serial No. 784,356
3 Claims. (Cl. 250—83.6)



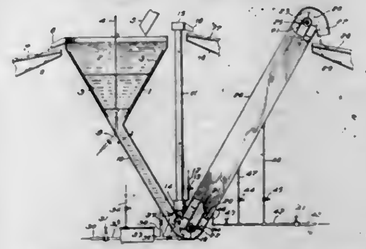
1. In a radiation detector, the combination comprising a first chamber having a port formed therein, a cover for said port adapted to support radioactive material and to be sealed over said port, a second chamber disposed within said first chamber having a grid portion aligned with said port, a collector plate disposed within said second chamber and aligned with said grid and port, electrical means connected to said first and second chambers and said collector plate for maintaining said second chamber at a positive potential with respect to said first chamber and said collector plate at a positive potential with respect to said second chamber, and an amplifier disposed within said second chamber and connected between said second chamber and said collector plate for amplifying the charge collected by said collector plate.

2,474,774

HEAVY-MEDIA SEPARATION APPARATUS

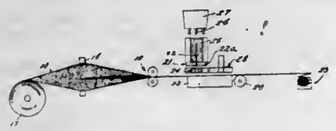
James Joseph Bean, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application June 1, 1945, Serial No. 596,982
1 Claim. (Cl. 209—173)



In a heavy media separation process in which a mixture of particles of differing specific gravities is continuously introduced into a main body of aqueous separatory fluid, said fluid having suspended therein sufficient finely divided solids to produce in the fluid in the zone in which separation takes place an apparent average density intermediate those of the particles to be separated, whereby a more dense fraction sinks and a less dense fraction floats, the float fraction being overflowed; the improved method of treating a feed containing sink particles ranging in size from fines through large pieces which comprises: continuously collecting the entire sink fraction at a hydraulic level below the fluid separatory zone; continuously adding to the main body of separatory fluid, intermediate said separatory zone and said hydraulic level, sufficient make up fluid to maintain hydraulic equilibrium in said separatory zone; continuously adding aqueous fluid media of less average apparent density than that in said separatory zone to the collected sink fraction at said hydraulic level; continuously raising, with an air lift, fluid media together with that portion of the finer-sized particles in said sink fraction as moves therewith, from said hydraulic level to a level above said main body; adjusting the rate of said air lift fluid raising with respect to the rate of fluid addition at said hydraulic level to maintain an apparent average fluid density in the lowest levels of said main body less than the apparent average fluid density in said separatory zone; holding said rates substantially constant; maintaining the depth of a secondary fluid body extending upwardly from and in open communication with the fluid at said hydraulic level sufficient to hold said secondary body in hydraulic balance with said main body of fluid, continuously raising by mechanical means the remaining portion of the collected sink fraction from said hydraulic level through said secondary fluid body to a level above the top thereof and collecting said separately raised sink fractions.

2,474,775
METHOD AND APPARATUS FOR SIMULTANEOUSLY SECURING TOGETHER AND PERFORATING PAPER WEBS
William G. Borchers, Hoboken, N. J., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application November 12, 1946, Serial No. 709,251
15 Claims. (Cl. 93—61)



1. The method of fastening together a pair of superposed plies of stationery having on a surface of at least one of said plies in contact with the other ply, an area carrying an inactive adhesive susceptible to activation by a treatment with an activating liquid, which comprise perforating the superposed plies through said adhesive-bearing area; simultaneously introducing activating liquid for said adhesive between said plies through the resulting perforations; and pressing said plies together adjacent said perforations.

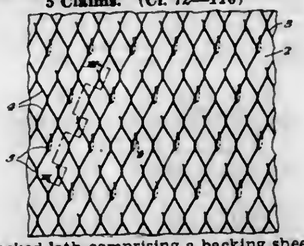
2,474,776
HEXANEBISDIBUTYLAMIDE AS PLASTICIZER FOR BUTADIENE-ACRYLONITRILE COPOLYMER
Arthur W. Campbell, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application March 22, 1945, Serial No. 584,245
1 Claim. (Cl. 260—32.6)

A composition of matter comprising a rubber-like synthetic copolymer of 1,3-butadiene and acrylonitrile and an amount sufficient to effectively plasticize said copolymer of hexanebisdibutylamide.

2,474,777
MANUFACTURE OF CHLOROPYRENES
Peter George Carter, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 4, 1945, Serial No. 632,789. In Great Britain December 7, 1944
4 Claims. (Cl. 260—649)

1. A process for the recovery of pyrene in the form of tri- and tetra-chloropyrenes from fractions of coal tar, hydrogenated coal tar and hydrogenated coal and the production of such chloropyrenes, which comprises passing chlorine into an organic solvent solution of the pyrene containing fraction until the formation of the chloropyrenes in the solution is substantially complete and separating the resulting chloropyrenes from the reaction mixture by cooling and filtering, the organic solvent employed being one which is inert under the conditions of chlorination and in which the chloropyrenes are substantially insoluble at atmospheric temperatures but in which the pyrene containing fraction, from which the pyrene is being extracted in the form of chloropyrenes, is soluble.

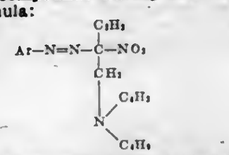
2,474,778
BACKED LATH AND MANUFACTURE THEREOF
Leonard W. Cross, Warwood, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application December 5, 1945, Serial No. 632,890
5 Claims. (Cl. 72—116)



1. Backed lath comprising a backing sheet and a sheet of semi-rigid lath, the lath having strands which are severed to form elongated fastening elements each connected with the sheet of lath at one end and having the other end free, the fastening elements extending through the backing sheet and having portions engaging the back of the backing sheet to hold the backing sheet and the sheet of lath together.

2,474,779
AZO COMPOUNDS FROM 1-DI-n-BUTYLAMINO-2-NITRO-BUTANE
Edward F. Degering, La Fayette, Ind., and Gerhard van Biema, Jackson Heights, N. Y., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application August 17, 1945, Serial No. 611,263
6 Claims. (Cl. 260—193)

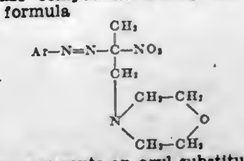
1. Nitroazo compounds having the following structural formula:



wherein Ar is an aromatic nucleus selected from the group consisting of β-naphthyl and para-chlorophenyl.

2,474,780
AZO COMPOUNDS FROM 1-N-MORPHOLINO-2-NITRO PROPANE
Edward F. Degering, La Fayette, Ind., and Gerhard van Biema, Jackson Heights, N. Y., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application August 17, 1945, Serial No. 611,264
6 Claims. (Cl. 260—176)

1. Nitroazo compounds having the following structural formula



wherein Ar represents an aryl substituent group being the residue of a diazotized aryl amine.

2,474,781
METHOD FOR PRODUCING PYRAZINE BY CATALYTIC DEHYDROGENATION OF PIPERAZINE
James Kenneth Dixon, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 12, 1946, Serial No. 661,874
17 Claims. (Cl. 260—250)

1. The method of producing pyrazine which comprises completely vaporizing piperazine; passing the vaporized material over a catalyst selected from the group consisting of the oxides of the members of the left sub-groups of the fifth, sixth and seventh groups of the periodic arrangement of elements, at dehydrogenation temperatures; condensing the condensable portion of the reacted vapors and isolating the pyrazine content therefrom.

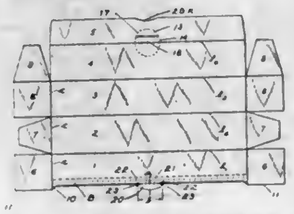
2. A process according to claim 1 in which the temperatures used are from about 375°–480° C.

2,474,782
CATALYTIC DEHYDROGENATION OF PIPERAZINE
James Kenneth Dixon, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 12, 1946, Serial No. 661,876
15 Claims. (Cl. 260—250)

1. The method of producing pyrazine which comprises completely vaporizing piperazine; passing the vaporized material over a palladium dehydrogenation catalyst at dehydrogenation temperatures; condensing the condensable portion of the reacted vapors and isolating the pyrazine content of the condensate.

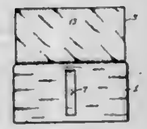
2. The method of producing pyrazine which comprises completely vaporizing piperazine; passing the vaporized material over a palladium dehydrogenation catalyst at 250–450° C.; condensing the condensable portion of the reacted vapors and isolating the pyrazine content of the condensate.

2,474,783
CARTON
Fred C. Gluck, Minerva, Ohio, assignor to Minerva Wax Paper Company, Minerva, Ohio, a corporation of Ohio
Application April 8, 1946, Serial No. 660,569
3 Claims. (Cl. 206—58)



1. A carton for dispensing rolled sheet material formed from a single sheet comprising end, front, bottom, back and top cover walls with a flap hingedly secured to said top cover wall and adapted to lie interiorly of said front wall when the carton is closed without engaging the bottom wall, said front wall having its top edge lower than the height of the end walls and lying between the upper and lower edges of said flap when the cover is closed, a cutter blade secured to said front wall adjacent its top edge and overlying said edge and terminating short of said end walls, a locking tab removably secured to the top edge of said front wall behind said blade, said flap having a slot at substantially the level of said edge for receiving said tab, said slot being shorter than the maximum width of said tab but not substantially wider than the thickness of said tab.

2,474,784
DISPENSER FOR FACIAL TISSUES
Sue Golden, New York, N. Y., assignor to Alfred A. Doran, New York, N. Y.
Application May 9, 1947, Serial No. 746,845
1 Claim. (Cl. 150—28)



A dispenser for facial tissue, comprising a single sheet of woven material having a friction surface, said sheet being substantially rectangular in configuration, folded to form front and rear panels, the side edges of said panels being secured together to form a single pocket therebetween, a flap integral with the front panel said flap extending lengthwise of said panel and foldable on said front panel against the inner face of the rear panel, and being freely movable into and out of said pocket, a slot in the front panel having communication with the pocket, the median line of said slot being substantially equidistant from the side edges of said front panel, both ends of said slot terminating short of the top and bottom edges of said panel, said slot constituting a weakened portion crosswise of said front panel upon which the dispenser is foldable to position the slot inside of said fold, said pocket being adapted to hold a multiplicity of stacked facial tissue-sheets between said front panel and said flap, the terminal sheet being accessible through said slot and withdrawable therethrough from the stack when the dispenser is unfolded said friction surface of said material being adapted to exert friction on a stack of tissues in said pocket as the terminal tissue is being withdrawn through said slot.

2,474,785
PROCESS FOR PRINTING WITH SULPHURIC ESTERS OF LEUCO VAT DYESTUFFS
William B. Hardy and Elizabeth M. Hardy, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 31, 1946, Serial No. 687,520
7 Claims. (Cl. 8—70)

1. A process for printing difficultly oxidizable sulfuric ester salts of leuco vat dyestuffs of the indigoid type which comprises printing the ester salts with dichromates and in the presence of an effective amount of an aniline sulfonic acid radical, substituted by at least one aliphatic hydrocarbon radical containing not more than one double bond, and developing the print with acid vapors.

2,474,786
PERMEABLE BREAKWATER
Harvey J. Humphrey, Cleveland, Ohio
Application September 9, 1946, Serial No. 695,703
9 Claims. (Cl. 61—4)



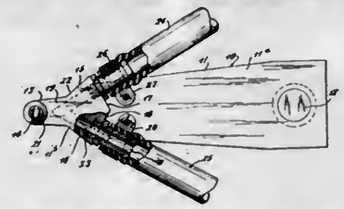
8. A breakwater comprising a series of polygonal hollow integrally formed blocks arranged to have their adjacent walls in contacting overlapping engagement with each other, spaced piers or jetties projecting outwardly from the shore and with the end blocks of the series contacting the same and said series extending therebetween, said blocks having angularly disposed wall surfaces located outwardly of their overlapping engagement with each other and forming a continuous serrated frontal surface extending between said piers each of said blocks being provided in the walls thereof with a plurality of openings, each of said blocks being provided in the corners thereof with pipes extending below the bottom wall of the block into the bottom of the body of water in which the breakwater is located and filled with cement or similar material after the block has been positioned in the breakwater.

2,474,787
ARC WELDING COMPOSITION AND METHOD OF MAKING SAME
George G. Landis, South Euclid, and Vladimir Peters, Lakewood, Ohio, assignors to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 24, 1948, Serial No. 51,118
14 Claims. (Cl. 148—24)

14. In a method of making a flux composition suitable for use in arc welding, the steps which comprise intermixing dry, finely ground flux ingredients with water glass solution, said ingredients being selected from the class consisting of manganese, calcium, magnesium and aluminum silicates and of silicate forming components, namely manganese oxide and silica and calcium, aluminum, titanium and iron oxides and calcium and calcium magnesium carbonates together with manganese oxide and silica in approximately combining ratio, and the amount of water glass being approximately the minimum required to agglomerate said ingredients, then heating the resulting mass at from 700° F. to 1200° F. until substantially anhydrous, and grinding the dried mass to the form of granular, free flowing particles wherein said ingredients are bonded together in uniformly distributed condition by dry water glass.

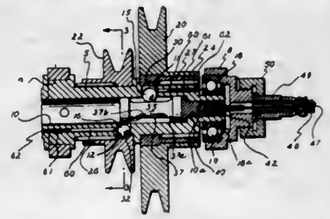
2,474,788
WELDING ELECTRODE
Frank G. Marbach, Cleveland, Ohio, assignor to Morrison Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 21, 1947, Serial No. 723,354
6 Claims. (Cl. 219—4)

1. A welding electrode comprising a head having an integral forwardly projecting portion of relatively reduced thickness and another projecting portion extending rearwardly from said head adjacent the top thereof and adapted for mounting the electrode on a holder, said head having a pair of upright side faces converging toward said forwardly projecting portion and a pair of upright rearwardly converging faces beneath the rearwardly extending projection, and



a tip carried by said forwardly projecting portion and adapted for engagement with the work, said head having forwardly converging cooling fluid passage portions extending thereinto from said rearwardly converging faces so as to form a continuous passage which extends at least part way into said forwardly projecting portion.

2,474,789
VARIABLE-SPEED DRIVE
Leslie Perhacs, North Hollywood, Calif.
Application June 1, 1945, Serial No. 597,071
1 Claim. (Cl. 192—48)

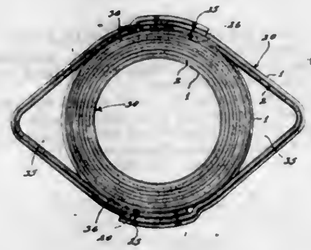


A clutch for selectively locking one of a pair of recessed pulleys on a hollow shaft presenting longitudinally spaced radial openings underlying the respective pulleys, comprising a ball floatingly mounted in each opening, and means for selectively moving said balls into engagement with said respective recesses whereby selectively to lock the pulleys on the shaft, comprising a mandrel axially slidably mounted in the shaft bore, said mandrel having an annular groove whose opposite side walls provide oppositely disposed curved cam surfaces engageable with the respective balls in response to axial movement of the mandrel in said bore, and a pair of spring-loaded detent means normally engaging the respective balls in directions axially of the shaft, each of said members being slidably mounted in an auxiliary bore in the shaft parallel with the first-mentioned bore.

2,474,790
GASKET CENTERING MEANS
Joseph Rossman, Washington, D. C., assignor to United States Gasket Company, Camden, N. J., a corporation of New Jersey
Application March 28, 1946, Serial No. 657,683
1 Claim. (Cl. 288—27)

A gasket assembly comprising a gasket formed of convolutely wound metal tape and a non-

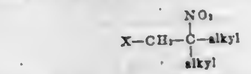
metallic packing strip interposed between the metal convolutions, and a substantially oval-shaped centering ring having diametrically opposed ear portions and diametrically opposed arc-shaped portions, said arc-shaped portions embracing said gasket, said centering ring being



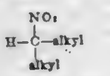
formed of convolutely wound metal tape of a lesser number of convolutions than in said gasket and having a non-metallic packing strip interposed between said convolutions, said centering ring being laterally compressible to a greater degree than said gasket when the assembly is subjected to the same lateral compressive force.

2,474,791
NITROALKYL SUBSTITUTED HETEROCYCLIC COMPOUNDS AND PROCESS FOR PREPARING THEM
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application February 26, 1945, Serial No. 579,897
10 Claims. (Cl. 260—247)

7. In a process for the preparation of nitroamines of the formula:



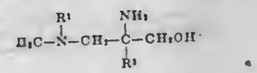
wherein X is a secondary amino radical of the group consisting of 1-pyrrolidyl, 1-morpholyl, 1-thiomorpholyl, 1-piperidyl, 1-(4-alkyl) piperazyl, and 1-(4-aryl) piperazyl, in which the carbon atoms ortho to the 1-N atom are substituted by a group consisting of hydrogen and alkyl, the process which comprises forming a homogeneous mixture of substantially equimolar proportions of formaldehyde, an amine of the group consisting of pyrrolidine, morpholine, thiomorpholine, piperidine, 4-alkyl piperazine, and 4-aryl piperazine, in which the carbon atoms ortho to the 1-N atom are substituted by a group consisting of hydrogen and alkyl, and a nitroalkane having the formula:



and allowing the mixture to stand under conditions avoiding any substantial loss of formaldehyde until the reaction has taken place, and recovering the nitroamine.

2,474,792
POLYAMINO ALCOHOLS AND METHOD FOR PREPARING THEM
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application February 25, 1946, Serial No. 650,135
9 Claims. (Cl. 260—338)

1. As new compositions of matter, polyamino alcohols having the following structural formula:



wherein R^1 is a member of the group consisting of alkyl and 3,5-dioxacyclohexyl, and R^2 is a member of the group consisting of hydrogen and alkyl.

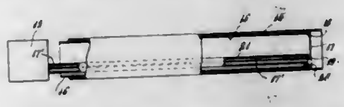
2,474,793
PLASTICIZED ELASTOMER COMPOSITIONS CONTAINING N-(HYDROXYALKYL)-AMIDES AND THEIR FATTY ACID ESTERS
Philip F. Tryon, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application January 8, 1945, Serial No. 571,965
4 Claims. (Cl. 260—32.2)

1. A composition comprising a synthetic rubber-like elastomer of the class consisting of 1,3-butadiene polymers and copolymers of butadiene polymerized with other monomers having the polymerizable structure

$$H_2C{=}C<$$

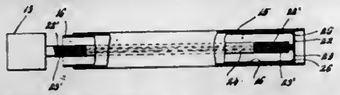
and 2-acetamido-2-methyl-1,3-propanediol diacetate the latter being present in plasticizing proportions.

2,474,794
ATTENUATOR
John M. van Beuren, Morristown, N. J., assignor to Measurements Corporation, Boonton, N. J.
Application January 17, 1944, Serial No. 518,645
5 Claims. (Cl. 178—44)



1. Electrical attenuator comprising two elongated coaxial conducting tubes, one sliding within the other, a coaxial shielded transmission line extending within the inner one of said tubes, in a longitudinal direction and adjacent to one wall of said inner tube, a measuring device connected to one end of said transmission line extending beyond the ends of said tubes, and a pickup conductor connected between the central conductor of said transmission line and a point upon the periphery of said inner tube, substantially 180 degrees removed from the portion of said tube which is most closely adjacent said transmission line, the outer conductor of said transmission line being connected to the portion of said inner tube to which it is most closely adjacent.

2,474,795
ATTENUATOR FOR HIGH-FREQUENCY PICKUP DEVICES
John M. van Beuren, Morristown, N. J., assignor to Measurements Corporation, Boonton, N. J., a corporation of New Jersey
Original application January 17, 1944; Serial No. 518,645. Divided and this application December 19, 1945, Serial No. 636,035
6 Claims. (Cl. 178—44)



2. Electrical attenuator including two conducting tubes, one sliding within the other, a shielded parallel 2-wire transmission line extending along the common axis of both said tubes, for connection to a measuring device at the end of said transmission line extending beyond the ends of said tubes, and two pickup conductors, respectively extending substantially radially, one from the other end of each conductor of said transmission line to a point upon the periphery of the inner one of said tubes, the points of connection of said respective pickup conductors to said inner tube being located substantially 180 degrees apart.

2,474,796
ALKYLAMINOALKYL ESTERS OF ALICYCLYL-ALICYCLIC CARBOXYLIC ACIDS
Marcus George Van Campen, Jr., Wyoming, and Charles Harmon Tilford, Silverton, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware
No Drawing. Application January 31, 1946, Serial No. 644,669
8 Claims. (Cl. 260—469)

1. Amino alcohol esters of carboxy acids of the formula

$$RR_1COOH$$

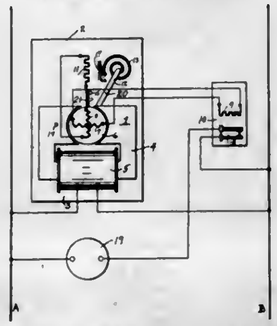
in which R and R_1 are alicyclic.

2,474,797
REPULSION SYNCHRONOUS MOTOR
Henry E. Warren, Ashland, Mass.
Application August 15, 1947, Serial No. 768,884
13 Claims. (Cl. 172—278)



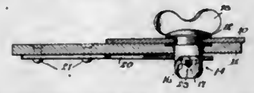
1. A self-starting synchronous motor operable on alternating current and on direct current reversed at relatively long intervals, comprising a stator coil having an axial opening, a wheel-like rotor formed at least circumferentially of material of substantial magnetic remanence, said rotor disposed in the coil opening for rotation on an axis substantially perpendicular to the coil axis and being subject to polarization by the coil along a rotor diameter paralleling the coil axis, and magnetizable strip means including parallel portions oppositely extending in the direction axially of the coil in closely spaced relation to the rotor periphery and terminating within the coil to present dissimilar poles at diametrically opposite regions relative to the rotor axis, the terminal pole of one strip portion spaced from an intermediate section of the other strip portion in a direction making a wide angle to the coil axis, whereby repulsion between like poles in the rotor and in the strip means effects rotation of the rotor at increasing speed up to and maintained at synchrony with the current phase.

2,474,798
HEAT REGULATING APPARATUS
Robert Amsler, Zug, Switzerland, assignor to Landis & Gyr, A.-G., Zug, Switzerland, a body corporate of Switzerland
Application January 18, 1941, Serial No. 374,970
In Switzerland December 7, 1939
Sections 1, 3, 10, Public Law 690, August 8, 1946
Patent expires December 7, 1959
3 Claims. (Cl. 236—91)



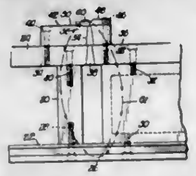
1. A control apparatus for heating plants including in combination an internal thermostat, a resistance heater therefor, an external heater, an external induction regulator controlling the power supplied to the heaters, and a thermally responsive control for the regulator to increase the power supplied to the internal heater and to decrease the power supplied to the external heater as the external temperature increases.

2,474,799
FASTENER
William Dzus, West Islip, N. Y.
Application August 29, 1944, Serial No. 551,660
1 Claim. (Cl. 24—221)



In a separable fastener of the type which includes a spiral cam stud and a receptacle which are interengageable upon the rotation of one with respect to another, an improved receptacle comprising an elongated spring metal strip having front and rear surfaces and formed with a flat attaching portion at one end with the remainder of the strip extending at a relatively small angle thereto in a rearward direction so that the opposite end of the strip is offset a short distance rearwardly with respect to the plane of the attaching portion, said opposite end being formed with an aperture large enough to accommodate the stud and having a locking bar for engaging the cam of the stud in association with said aperture and extending in a diametric direction.

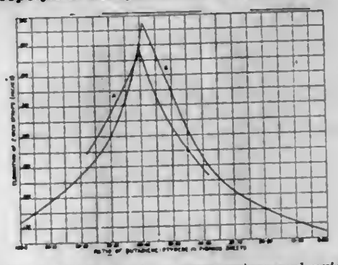
2,474,800
MAGNETIC FIXTURE FOR HOLDING WORK TO BE GROUND
Richard G. Nill, Fort Wayne, Ind., assignor to Fort Wayne Tool, Die and Engineering Company, Fort Wayne, Ind., a partnership
Application January 19, 1946, Serial No. 642,328
10 Claims. (Cl. 51—216)



1. In a fixture, the combination of a base of magnetic material, a support of magnetic material disposed on said base, a work holder base disposed on said support, said work holder base and support being adapted to be magnetically connected to a magnetic power unit, said work holder base comprising a plurality of blocks of magnetic material separated but joined by non-magnetic material, one of said blocks being magnetically connected to said power unit and the other being magnetically connected to said support, a work holder supported on said work holder base and comprising spaced blocks of magnetic material, one of said blocks being magnetically connected to one of said first named blocks and the other of said blocks being magnetically connected to the other of said first named blocks, the blocks of said work holder being separated but connected by non-magnetic material aligned with and contacting the other non-magnetic material, an end gauge bar on said work holder blocks, and a top gauge bar of magnetic material secured to one of the work holder blocks and having an edge overlapping the non-magnetic material but spaced from the other work holder block, said work holder being adapted to receive metallic work so disposed on the work holder block which is spaced from the top gauge bar and overlying the non-magnetic material to engage said top gauge bar whereby when said power unit is energized, magnetic flux passes through one of the work holder base blocks, one of the work holder blocks, top gauge bar, work, the other of the work holder blocks, the other of the work holder base blocks, the support, and the base, back to the power unit to magnetically fixedly secure said work to said fixture.

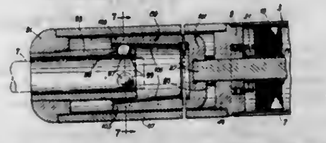
2,474,801
FIBROUS SHEETS FORMED FROM AN AQUEOUS SUSPENSION OF A MIXTURE OF FIBERS AND BUTADIENE-STYRENE COPOLYMER
Allen F. Owen, Beaver Falls, N. Y., assignor to Latex Fiber Industries, Inc., Beaver Falls, N. Y., a corporation of New York
Application September 15, 1945, Serial No. 616,605
4 Claims. (Cl. 92—3)

1. An article of manufacture comprising a sheet containing papermaking fibers and about 25 parts by weight of an emulsion polymerized copolymer of butadiene-1,3 and styrene per 100 parts by weight of papermaking fibers, said sheet being formed from an aqueous suspension of a mixture of papermaking fibers and dispersed particles of the copolymer of butadiene-1,3 and styrene in which the ratio of butadiene to styrene, by weight, is within the range from 50:50 to 70:30, said copolymer being mixed with said fibers while



said fibers are in aqueous suspension and prior to forming said fibers into a sheet.

2,474,802
GAUGE FOR EXTERNAL MEASUREMENTS OF CYLINDRICAL BODIES
Foster M. Poole, Dallas, Tex.
Application July 18, 1946, Serial No. 684,556
4 Claims. (Cl. 33—178)

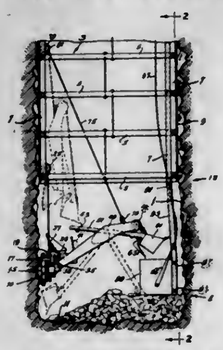


3. In a measuring instrument of the class described, a gage member consisting of an inside cone, a coaxial sleeve extending into said cone, said sleeve having an open end directed into the cone toward its smaller end and radial openings directed outward toward the wall of the cone, balls in said openings, a mechanism self-contained in the instrument connecting the gage member and the sleeve for coaxial movement and including a cylinder and piston providing an expansible chamber for an expanding medium, the gage being movable upon expansion of said chamber by said medium in a direction to move the small end of the cone toward said open end of the sleeve to push the balls inward with respect to the sleeve.

2,474,803
VERTICAL SHAFT EXCAVATING APPARATUS
Alvin A. Putnam, St. Louis, Mo.
Application May 10, 1947, Serial No. 747,217
7 Claims. (Cl. 214—134)

1. Excavating apparatus for sinking shafts in rock and the like, comprising a supporting structure, a traverse bar adjustable suspended from the supporting structure in the space below said structure and engageable with a side of the shaft, a traversing carriage on the traverse bar, a boom pivoted on the carriage, adjustable means extending from the supporting structure for suspending the boom at a desired angle, a shovel on the boom, means controllable by an operator at the bottom of the shaft for controlling the elevation of the traverse bar and also the boom suspension, means controllable by an operator on the carriage for traversing the carriage on the traverse bar and for controlling the operation of the shovel on the boom, the adjustable boom support comprising a sheave on the boom and a cable anchored toward one side of the shaft and passing

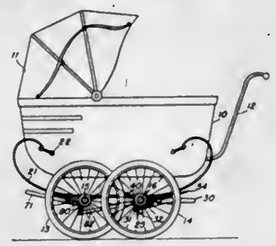
through the sheave to a winding reel towards the other side of the shaft, whereby when the carriage



is traversed the boom support will be effective in any traversed position of the boom.

2,474,804
ANTITIPPING DEVICE FOR BABY CARRIAGES
Hartley D. Schwarzbaum, New York, N. Y., assignor to Bilt-Rite Baby Carriage Co., Inc., Brooklyn, N. Y., a corporation of New York
Application February 18, 1947, Serial No. 729,343
3 Claims. (Cl. 280—47)

1. In a baby carriage provided with a frame, front and rear axles, wheels carried at the ends of said axles, and a brake for the wheels, the combination of a pivoted arm carried by the front axle and extending forwardly therefrom, and a similar arm carried by the rear axle and extending rearwardly therefrom, the outer ends of each of said arms being arranged to be conjointly moved from an elevated position through a relatively short arc to a downward position and to be locked in such latter position to prevent tipping of the carriage, a crank member rigidly secured

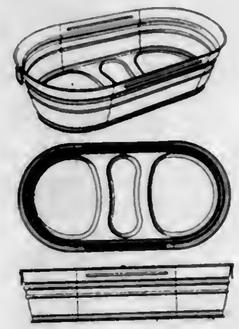


to the rear arm adjacent its pivot and extending downwardly therefrom, a crank member rigidly secured to the front arm adjacent its pivot and extending upwardly therefrom, a link connecting the outer ends of each of said crank members to produce downward movement of one arm when the other is depressed, a lock for retaining the arms in such downward position, and a depressible lever associated with the front axle for releasing said lock.

DESIGNS

JUNE 28, 1949

154,226
DESIGN FOR A TUB OR SIMILAR ARTICLE
William E. Ackermann, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application April 26, 1948, Serial No. 145,959
Term of patent 14 years
(Cl. D49—1)



The ornamental design for a tub or similar article, substantially as shown.

154,227
DESIGN FOR A NAIL FILE
Jose Manuel Alvizua, New York, N. Y.
Application May 22, 1948, Serial No. 146,521
Term of patent 7 years
(Cl. D86—10)



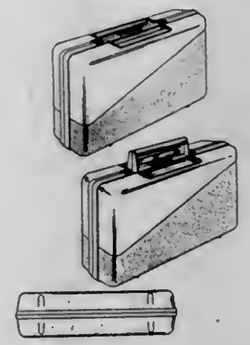
The ornamental design for a nail file, as shown.

154,228
DESIGN FOR A PERFUME CONTAINER
William Appleby, Brooklyn, N. Y.
Application February 14, 1948, Serial No. 144,505
Term of patent 3½ years
(Cl. D86—10)



The ornamental design for a perfume container, substantially as shown.

154,229
DESIGN FOR A VALISE OR SIMILAR ARTICLE
Richard H. Arbib, Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 9, 1947, Serial No. 143,058
Term of patent 14 years
(Cl. D87—5)



The ornamental design for a valise or similar article, substantially as shown and described.

154,230
DESIGN FOR A FRONT FOR A GOGGLE FRAME
Nicholas T. Baldanza, Rutherford, N. J., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J., a corporation of New Jersey
Application July 10, 1948, Serial No. 147,493
Term of patent 7 years
(Cl. D57—1)



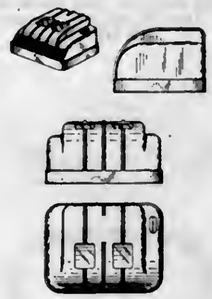
The ornamental design for a front for a goggle frame, as shown.

154,231
DESIGN FOR A CANDELABRUM
George R. Banker, Omaha, Nebr.
Application September 23, 1948, Serial No. 148,736
Term of patent 3½ years
(Cl. D48—2)



The ornamental design for a candelabrum, as shown.

154,232
DESIGN FOR A CASING HEAD FOR WEIGHING SCALES OR SIMILAR ARTICLE
George D. Barok, Columbus, Ohio
Application April 4, 1947, Serial No. 138,158
Term of patent 14 years
(Cl. D52—10)



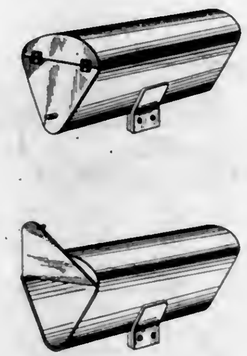
The ornamental design for a casing head for weighing scales or similar article, substantially as shown.

154,233
DESIGN FOR A RING
Arthur David Bastien, Williamstown, Mass.
Application July 22, 1948, Serial No. 147,712
Term of patent 7 years
(Cl. D45—10)



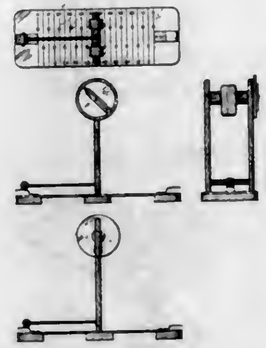
The ornamental design for a ring, as shown

154,234
DESIGN FOR A MAILBOX
Anthony J. Batsler, Milwaukee, Wis.
Application May 13, 1947, Serial No. 139,020
Term of patent 14 years
(Cl. D74—9)



The ornamental design for a mail box, as shown.

154,235
DESIGN FOR A FOOTBALL GAME TOY
Samuel L. Beder, New York, N. Y.
Application February 21, 1947, Serial No. 137,069
Term of patent 7 years
(Cl. D34—5)



The ornamental design for a football game toy, substantially as shown and described.

154,236
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Franklin Brook and Stanley Wager, Long Island City, N. Y., assignors to Bob Franklin, Inc., New York, N. Y., a corporation of New York
Application May 15, 1948, Serial No. 146,393
Term of patent 3½ years
(Cl. D29—2)



The ornamental design for a badge or similar article, substantially as shown.

154,237
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Franklin Brook and Stanley Wager, Long Island City, N. Y., assignors to Bob Franklin, Inc., New York, N. Y., a corporation of New York
Application May 15, 1948, Serial No. 146,394
Term of patent 3½ years
(Cl. D29—2)



The ornamental design for a badge or similar article, substantially as shown.

154,238
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Franklin Brook and Stanley Wager, Long Island City, N. Y., assignors to Bob Franklin, Inc., New York, N. Y., a corporation of New York
Application May 15, 1948, Serial No. 146,395
Term of patent 3½ years
(Cl. D29—2)



The ornamental design for a badge or similar article, substantially as shown.

154,239
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Franklin Brook and Stanley Wager, Long Island City, N. Y., assignors to Bob Franklin, Inc., New York, N. Y., a corporation of New York
Application May 15, 1948, Serial No. 146,396
Term of patent 3½ years
(Cl. D29—2)



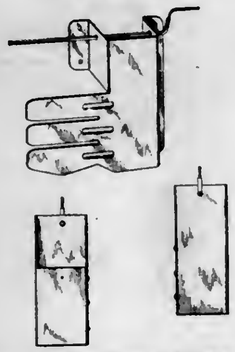
The ornamental design for a badge or similar article, substantially as shown.

154,240
DESIGN FOR A LINK CHAIN FOR A BRACELET OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application February 19, 1949, Serial No. 962
Term of patent 14 years
(Cl. D45—4)



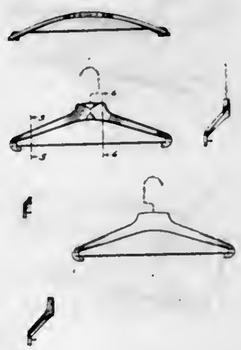
The ornamental design for a link chain for a bracelet or similar article, substantially as shown and described.

154,241
DESIGN FOR A REWINDING DEVICE FOR BANDAGE MATERIAL
Charles Cramer, Gardner, Kans., assignor to The Cramer Chemical Company, Gardner, Kans., a corporation of Kansas
Application January 30, 1948, Serial No. 144,177
Term of patent 14 years
(Cl. D41—1)



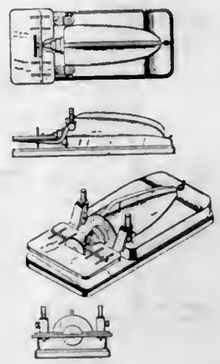
The ornamental design for a rewinding device for bandage material, substantially as shown.

154,242
DESIGN FOR A GARMENT HANGER
Walton B. Crane, Beverly Hills, and Morris Treiman, Los Angeles, Calif., assignors to Allied Plastics Company, Los Angeles, Calif., a corporation of California
Application September 8, 1947, Serial No. 141,247
Term of patent 3½ years
(Cl. D80—8)



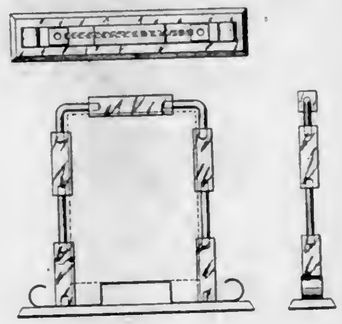
The ornamental design for a garment hanger, substantially as shown and described.

154,243
DESIGN FOR A GRINDER
Howard Harold Crawford, Las Vegas, Nev.
Application June 21, 1948, Serial No. 147,097
Term of patent 3½ years
(Cl. D37—1)



The ornamental design for a grinder, as shown.

154,244
DESIGN FOR A PICTURE FRAME OR SIMILAR ARTICLE
Gerald D'Angelo, New York, N. Y.
Application April 14, 1948, Serial No. 145,724
Term of patent 3½ years
(Cl. D29—20)



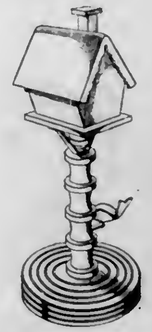
The ornamental design for a picture frame or similar article, substantially as shown and described.

154,245
DESIGN FOR A LAMP
John F. Davidson, Linden, N. J.
Application March 1, 1948, Serial No. 144,849
Term of patent 14 years
(Cl. D48—20)



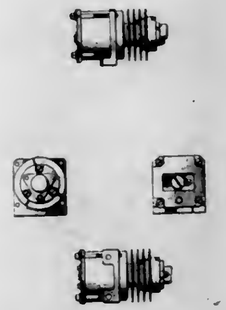
623 O. G.—78

154,245—Continued



The ornamental design for a lamp, as shown.

154,246
DESIGN FOR A CARBON PILE REGULATOR OR SIMILAR ARTICLE
Earle Rhea Davis, Teaneck, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application April 23, 1945, Serial No. 119,142
Term of patent 14 years
(Cl. D26—13)



The ornamental design for a carbon pile regulator or similar article, as shown.

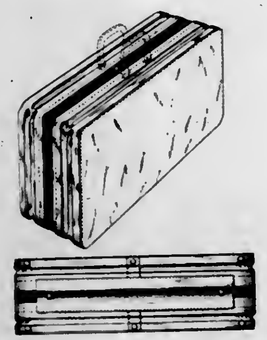
154,247
DESIGN FOR A HAND LUGGAGE CASE OR THE LIKE

154,249
DESIGN FOR A PROJECTION LANTERN
Charles F. Dutton, Rocky River, Ohio

154,251
DESIGN FOR A SWEATER OR SIMILAR ARTICLE
Bernard Ehrenreich, New York, N. Y.

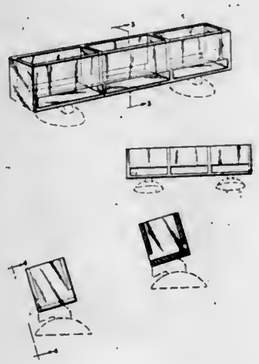
154,253
DESIGN FOR A SWEATER OR SIMILAR ARTICLE
Bernard Ehrenreich, New York, N. Y.
Application September 17, 1948, Serial No. 148,632

154,247
DESIGN FOR A HAND LUGGAGE CASE OR THE LIKE
Charles Doppelt, Chicago, Ill.
Application May 7, 1947, Serial No. 138,868
Term of patent 14 years
(Cl. D87—5)



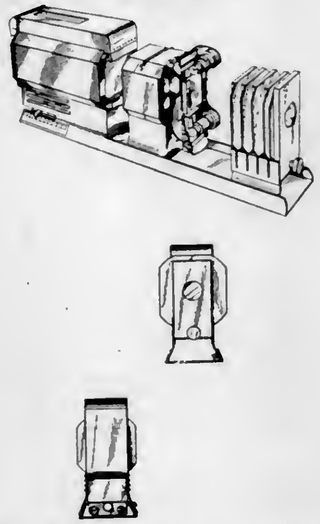
The ornamental design for a hand luggage case or the like, as shown and described.

154,248
DESIGN FOR A CIGARETTE PACKAGE RACK
Neal E. Durbin, Seattle, Wash.
Application January 10, 1948, Serial No. 143,658
Term of patent 14 years
(Cl. D85—2)



The ornamental design for a cigarette package rack, as shown, and described.

154,249
DESIGN FOR A PROJECTION LANTERN
Charles F. Dutton, Rocky River, Ohio
Application February 4, 1948, Serial No. 144,269
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a projection lantern, as shown and described.

154,250
DESIGN FOR A PRINTED FABRIC
Bernard Eckstein, New York, N. Y., assignor to The B. V. D. Corporation, New York, N. Y., a corporation of Delaware
Application June 22, 1948, Serial No. 147,115
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a printed fabric, as shown and described.

154,251
DESIGN FOR A SWEATER OR SIMILAR ARTICLE
Bernard Ehrenreich, New York, N. Y.
Application August 17, 1948, Serial No. 148,151
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a sweater or similar article, substantially as shown and described.

154,252
DESIGN FOR A SWEATER OR SIMILAR ARTICLE
Bernard Ehrenreich, New York, N. Y.
Application September 17, 1948, Serial No. 148,631
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a sweater or similar article, substantially as shown and described.

154,253
DESIGN FOR A SWEATER OR SIMILAR ARTICLE
Bernard Ehrenreich, New York, N. Y.
Application September 17, 1948, Serial No. 148,632
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a sweater or similar article, substantially as shown and described.

154,254
DESIGN FOR A SWEATER OR SIMILAR ARTICLE
Bernard Ehrenreich, New York, N. Y.
Application September 17, 1948, Serial No. 148,633
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a sweater or similar article, substantially as shown and described.

154,255
DESIGN FOR A COMBINED TOOTHBRUSH

154,257
DESIGN FOR A BOTTLE

154,259

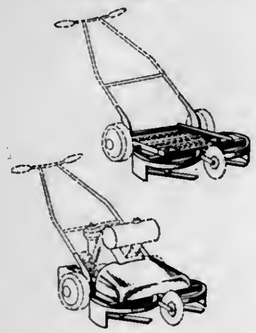
154,261
DESIGN FOR A LIQUID DISPENSING VALVE

154,255
DESIGN FOR A COMBINED TOOTHBRUSH, CONTAINER AND HOLDER
William B. England, Oakland, Calif., assignor to Charles D. Beatie, San Francisco, Calif.
Application May 19, 1947, Serial No. 139,135
Term of patent 3½ years
(Cl. D9—2)



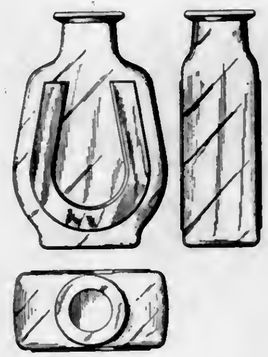
The ornamental design for a combined toothbrush, container and holder, as shown.

154,256
DESIGN FOR A LAWN MOWER
Robert H. Ensign, New York, N. Y., assignor to John A. Roebling's Sons Company, Trenton, N. J., a corporation of New Jersey
Application November 14, 1946, Serial No. 134,775
Term of patent 14 years
(Cl. D40—1)



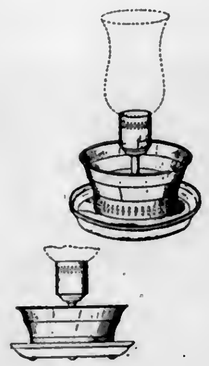
The ornamental design for a lawn mower, as shown and described.

154,257
DESIGN FOR A BOTTLE
Richard Estrin, Hewlett, N. Y.
Application July 22, 1947, Serial No. 140,450
Term of patent 14 years
(Cl. D58—6)



The ornamental design for a bottle, as shown.

154,258
DESIGN FOR A HURRICANE LAMP
Albert E. Frontier, Des Plaines, Ill.
Application November 29, 1947, Serial No. 142,884
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a hurricane lamp, as shown and described.

154,259
DESIGN FOR A RUBBER PLAY BALL
Joseph M. Gapstur and Richard E. Long, Ashland, Ohio
Application June 12, 1947, Serial No. 139,602
Term of patent 14 years
(Cl. D34—15)



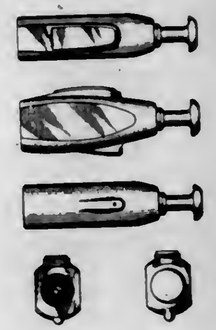
The ornamental design for a rubber play ball, as shown and described.

154,260
DESIGN FOR A RUBBER PLAY BALL
Joseph M. Gapstur, John W. Booker, and Charles W. Ebert, Ashland, Ohio
Application January 19, 1948, Serial No. 143,885
Term of patent 14 years
(Cl. D34—15)



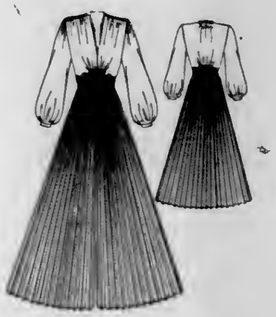
The ornamental design for a rubber play ball, as shown.

154,261
DESIGN FOR A LIQUID DISPENSING VALVE
Burdette B. Gilmore, Pelham Manor, N. Y., assignor to West Disinfecting Company, Long Island City, N. Y., a corporation of New York
Application June 28, 1947, Serial No. 139,993
Term of patent 14 years
(Cl. D4—3)



The ornamental design for a liquid dispensing valve, substantially as shown.

154,262
DESIGN FOR A NEGLIGEE
Violet Giovagnoni, New York, N. Y.
Application October 30, 1948, Serial No. 149,408
Term of patent 7 years
(Cl. D3—26)



The ornamental design for a negligee, substantially as shown.

154,267
DESIGN FOR A TEXTILE FABRIC OR

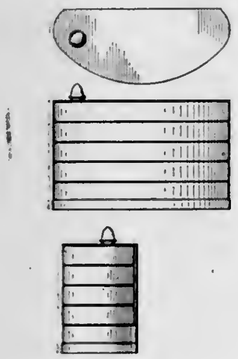
154,269
DESIGN FOR A TEXTILE FABRIC OR

154,263
DESIGN FOR A FLASK
Maurice Goldberg, Paris, France
Application April 2, 1947, Serial No. 138,121
In France October 3, 1946
Term of patent 7 years
(Cl. D58—9)



The ornamental design for a flask, as shown.

154,264
DESIGN FOR A STAND OF DRAWERS
Philip G. Goldman, Pittsburgh, Pa.
Application December 5, 1947, Serial No. 142,959
Term of patent 14 years
(Cl. D33—19)



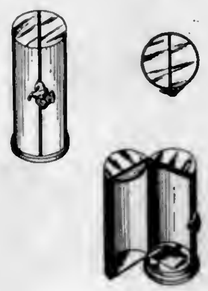
The ornamental design for a stand of drawers as shown.

154,265
DESIGN FOR A COMBINATION TOBACCO HUMIDOR AND PIPE TRAY
Joseph Gottlieb, New York, N. Y.
Application September 4, 1948, Serial No. 148,483
Term of patent 3½ years
(Cl. D85—8)



The ornamental design for a combination tobacco humidor and pipe tray, as shown.

154,266
DESIGN FOR A PERFUME DISPLAY BOX
Elizabeth N. Graham, New York, N. Y.
Application November 20, 1947, Serial No. 142,673
Term of patent 14 years
(Cl. D80—5)



The ornamental design for a perfume display box, substantially as shown and described.

154,267
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Oceanside, N. Y.
Application May 12, 1948, Serial No. 146,317
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, as shown and described.

154,268
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Oceanside, N. Y.
Application July 2, 1948, Serial No. 147,339
Term of patent 3½ years
(Cl. D92—1)



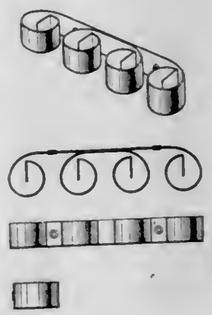
The ornamental design for a textile fabric or similar article, as shown and described.

154,269
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Oceanside, N. Y.
Application July 2, 1948, Serial No. 147,340
Term of patent 3½ years
(Cl. D92—1)



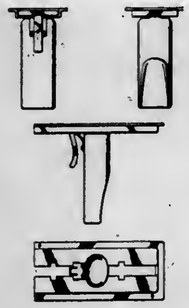
The ornamental design for a textile fabric or similar article, as shown and described.

154,270
DESIGN FOR A HOLDER FOR BROOMS OR THE LIKE
Clarence Lewis Hawn, St. Paul, Minn.
Application July 21, 1947, Serial No. 140,410
Term of patent 14 years
(Cl. D9—2)



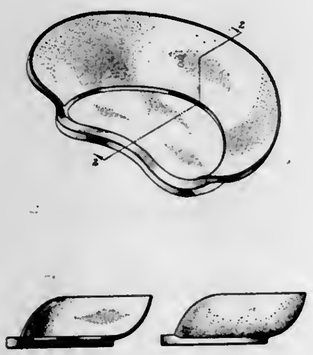
The ornamental design for a holder for brooms or the like, as shown.

154,271
DESIGN FOR A GUARD FOR CHILD'S CHAIR
Jacob G. Heim, San Gabriel, Calif.
Application June 9, 1947, Serial No. 139,551
Term of patent 14 years
(Cl. D15—1)



The ornamental design for a guard for child's chair, as shown.

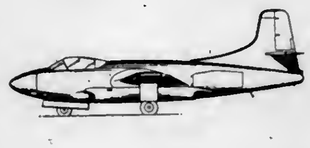
154,272
DESIGN FOR A TRAY FOR CHILD'S CHAIR
Jacob G. Heim, San Gabriel, Calif.
Application June 16, 1947, Serial No. 139,728
Term of patent 14 years
(Cl. D15—1)

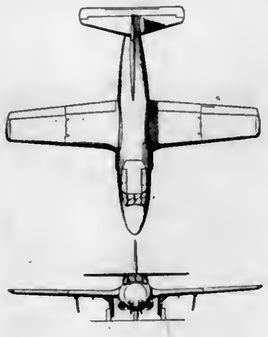


The ornamental design for a tray for child's chair, as shown.

154,273
DESIGN FOR AN AIRPLANE
Edward H. Heinemann and Leo J. Devlin, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application December 6, 1947, Serial No. 143,000
Term of patent 7 years
(Cl. D71—1)

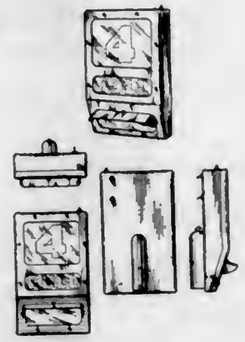






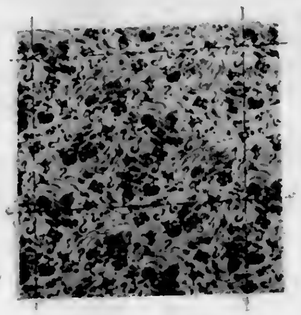
The ornamental design for an airplane, substantially as shown.

154,274
DESIGN FOR A COMBINATION RAMP IDENTIFICATION AND DRIVEWAY FLOOD-LIGHT FOR DRIVE-IN THEATRES OR THE LIKE
George P. Heller, Kansas City, Mo.
Application November 29, 1948, Serial No. 149,866
Term of patent 14 years
(Cl. D72—1)



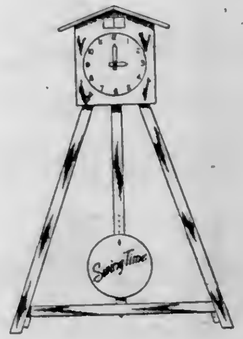
The ornamental design for a combination ramp identification and driveway flood light for drive-in theatres or the like, substantially as shown and described.

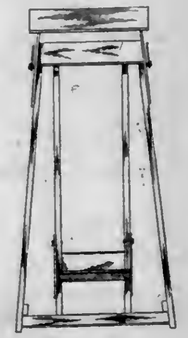
154,275
DESIGN FOR A TEXTILE FABRIC
Howard Horn, New York, N. Y.
Application April 16, 1948, Serial No. 145,761
Term of patent 3½ years
(Cl. D92—1)



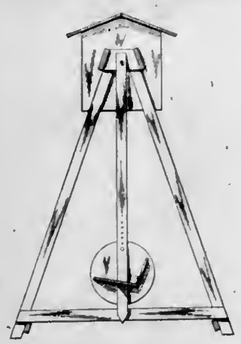
The ornamental design for a textile fabric, substantially as shown and described.

154,276
DESIGN FOR A SWING OR SIMILAR ARTICLE
Stanley E. Jones, Cleveland, Ohio
Application August 12, 1947, Serial No. 140,828
Term of patent 7 years
(Cl. D15—11)



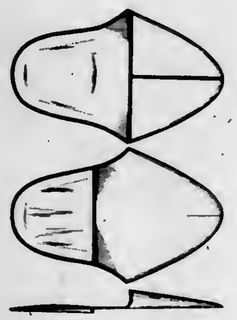


154,276—Continued



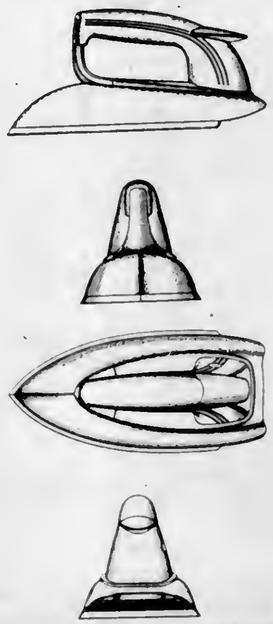
The ornamental design for a swing or similar article, substantially as shown.

154,277
DESIGN FOR A COMBINED TOE PROTECTOR AND METATARSAL SUPPORT
Lena Karlen, Great Neck, N. Y.
Application November 27, 1948, Serial No. 149,854
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a combined toe protector and metatarsal support, substantially as shown.

154,278
DESIGN FOR AN ELECTRIC IRON
Clarence Karstadt, Glen Ellyn, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application February 28, 1947, Serial No. 137,235
Term of patent 14 years
(Cl. D49—6)



The ornamental design for an electric iron, as shown.

154,279
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 19, 1949, Serial No. 321
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown.

154,280
DESIGN FOR A PIN CLIP OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 19, 1949, Serial No. 322
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a pin clip or similar article, substantially as shown.

154,281
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 19, 1949, Serial No. 329
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

154,282
DESIGN FOR A FINDING FOR JEWELRY
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 22, 1949, Serial No. 400
Term of patent 7 years
(Cl. D45—1)



The ornamental design for a finding for jewelry, substantially as shown.

154,283
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 29, 1949, Serial No. 570
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

154,284
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 2, 1949, Serial No. 639
Term of patent 7 years
(Cl. D45—19)



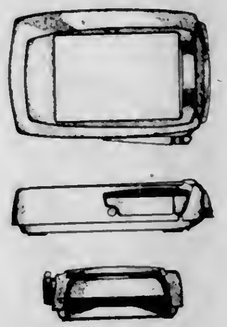
The ornamental design for a brooch or similar article, substantially as shown.

154,285
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 2, 1949, Serial No. 644
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

154,286
DESIGN FOR AN AUTOGRAPHIC REGISTER
Russell Katz, Hamilton, Ohio, assignor to Paul Benninghofen and Eleanor C. Diesbach, both of Hamilton, Ohio, trustees
Application September 30, 1947, Serial No. 141,668
Term of patent 14 years
(Cl. D74—5)

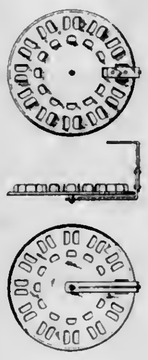


The ornamental design for an autographic register, substantially as shown.

154,290
DESIGN FOR A LADY'S SHOE OR SIMILAR

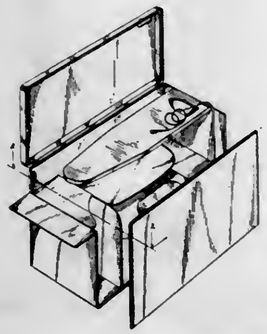
154,292
DESIGN FOR A SPOON OR OTHER ARTICLE

154,287
DESIGN FOR A HOLDER FOR CONDIMENT CONTAINERS
Jack Kauffman, Los Angeles and Richard V. Smith, Glendale, Calif.
Application September 15, 1947, Serial No. 141,413
Term of patent 14 years
(Cl. D44—26)

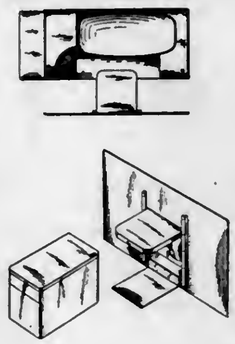


The ornamental design for a holder for condiment containers, substantially as shown.

154,288
DESIGN FOR AN IRONING CABINET
Grace E. Kennedy, Toronto, Ontario, Canada
Application June 11, 1947, Serial No. 139,578
Term of patent 14 years
(Cl. D49—1)

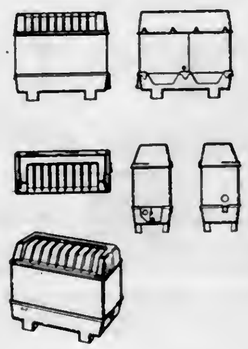


154,288—Continued



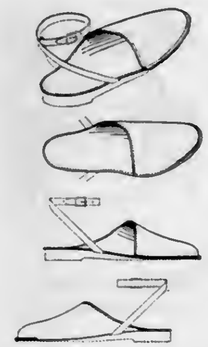
The ornamental design for an ironing cabinet, as shown.

154,289
DESIGN FOR A HEATING STOVE
Harry G. Lankford, Jr., Wichita, Kans.
Application November 28, 1947, Serial No. 142,852
Term of patent 3½ years
(Cl. D81—19)



The ornamental design for a heating stove, substantially as shown.

154,290
DESIGN FOR A LADY'S SHOE OR SIMILAR ARTICLE
David E. Levin, Brooklyn, N. Y., assignor to I. Miller & Sons, Inc., Long Island City, N. Y., a corporation of New York
Application November 6, 1947, Serial No. 142,355
Term of patent 3½ years
(Cl. D7—7)



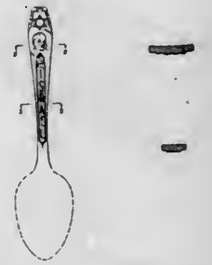
The ornamental design for a lady's shoe or similar article, substantially as shown and described.

154,291
DESIGN FOR A BEVERAGE DISPENSER
Jacob Levin, New York, N. Y.
Application August 19, 1947, Serial No. 140,947
Term of patent 14 years
(Cl. D2—3)



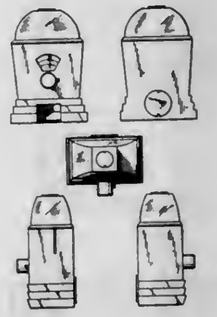
The ornamental design for a beverage dispenser, as shown and described.

154,292
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Abraham Litvin, New Haven, Conn.
Application June 9, 1948, Serial No. 146,841
Term of patent 3½ years
(Cl. D54—12)



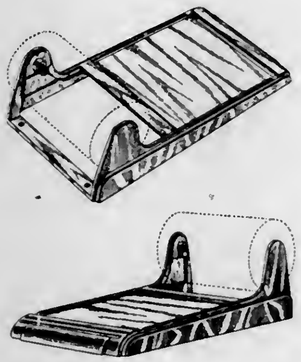
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

154,293
DESIGN FOR A TOY ARTICLE-DISPENSING DEVICE
Jacob Markoe, Brooklyn, N. Y., assignor to Select Jewelry Mfg. Co. Inc., Long Island City, N. Y., a corporation of New York
Application May 1, 1948, Serial No. 146,110
Term of patent 7 years
(Cl. D52—3)



The ornamental design for a toy article-dispensing device, substantially as shown.

154,294
DESIGN FOR A MEMORANDUM PAD OR SIMILAR ARTICLE
Nicholas Marlow, Chicago, Ill.
Application January 31, 1948, Serial No. 144,200
Term of patent 14 years
(Cl. D74—5)



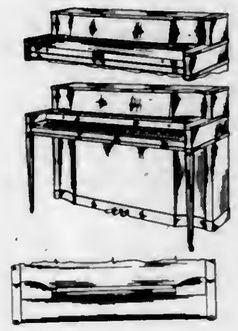
The ornamental design for a memorandum pad or similar article, as shown and described.

154,295
DESIGN FOR AN ASH TRAY OR SIMILAR ARTICLE
John J. McCabe, New York, N. Y.
Application October 30, 1947, Serial No. 142,220
Term of patent 3½ years
(Cl. D85—2)



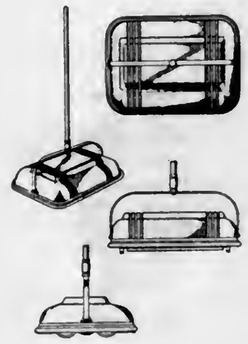
The ornamental design for an ash tray or similar article, substantially as shown.

154,296
DESIGN FOR A PIANO
William Millington, Grand Rapids, Mich., and Wilbur M. Day, Norwood, Ohio, assignors to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application September 10, 1948, Serial No. 148,535
Term of patent 14 years
(Cl. D56—9)



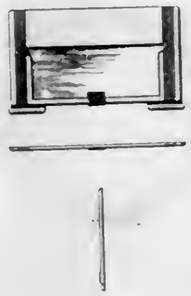
The ornamental design for a piano, substantially as shown.

154,297
DESIGN FOR A CARPET SWEEPER
Thomas M. Mock and Harold H. Weber, Beverly Hills, Calif.
Application January 17, 1949, Serial No. 267
Term of patent 14 years
(Cl. D9—2)



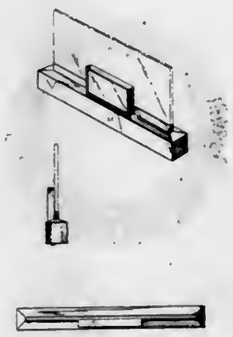
The ornamental design for a carpet sweeper, as shown.

154,298
DESIGN FOR A CALENDAR STAND OR SIMILAR ARTICLE
Carlyle N. Montanye, Baltimore, Md.
Application February 18, 1948, Serial No. 144,576
Term of patent 14 years
(Cl. D74—5)



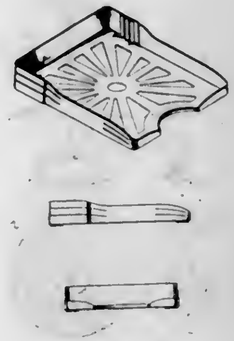
The ornamental design for a calendar stand or similar article, as shown and described.

154,299
DESIGN FOR A DISPLAY SIGN
Jack Morgan, Chicago, Ill., assignor to Price Brothers, Inc., Chicago, Ill., a corporation of Illinois
Application March 28, 1947, Serial No. 138,012
Term of patent 7 years
(Cl. D1—12)



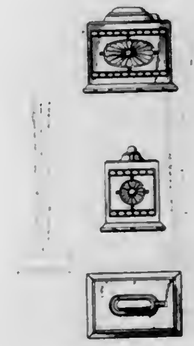
The ornamental design for a display sign, substantially as shown and described.

154,300
DESIGN FOR A LETTER TRAY OR SIMILAR ARTICLE
Bert M. Morris, Los Angeles, Calif.
Application May 27, 1948, Serial No. 146,643
Term of patent 14 years
(Cl. D74—9)



The ornamental design for a letter tray or similar article, substantially as shown and described.

154,301
DESIGN FOR A TABLE LIGHTER
Harry Negbaur, New York, N. Y., assignor to H. Negbaur & Co., New York, N. Y., a partnership
Application February 19, 1949, Serial No. 957
Term of patent 3½ years
(Cl. D48—27)



The ornamental design for a table lighter, as shown.

154,302
DESIGN FOR A CLOCK
Ernest Ingraham, Bridgeport, Conn., assignor to Ingraham Corporation, Bridgeport, Conn., a corporation of Connecticut
Application March 31, 1948, Serial No. 145,124
Term of patent 14 years
(Cl. D10—1)

The ornamental design for a clock, substantially as shown.

154,303
DESIGN FOR A CLOCK
Ernest Ingraham, Bridgeport, Conn., assignor to Ingraham Corporation, Bridgeport, Conn., a corporation of Connecticut
Application March 31, 1948, Serial No. 145,125
Term of patent 14 years
(Cl. D10—1)

The ornamental design for a clock, substantially as shown.

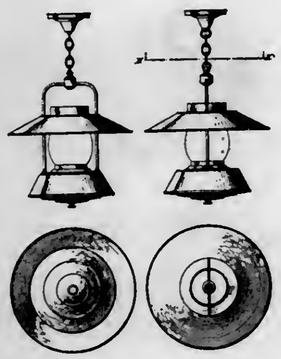
154,304
DESIGN FOR A CLOCK
Ernest Ingraham, Bridgeport, Conn., assignor to Ingraham Corporation, Bridgeport, Conn., a corporation of Connecticut
Application March 31, 1948, Serial No. 145,126
Term of patent 14 years
(Cl. D10—1)

The ornamental design for a clock, substantially as shown.

154,305
DESIGN FOR A CLOCK
Ernest Ingraham, Bridgeport, Conn., assignor to Ingraham Corporation, Bridgeport, Conn., a corporation of Connecticut
Application March 31, 1948, Serial No. 145,127
Term of patent 14 years
(Cl. D10—1)

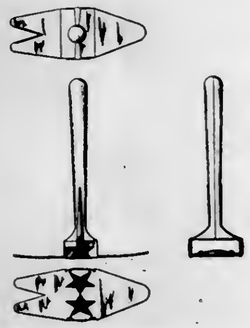
The ornamental design for a clock, substantially as shown.

154,302
DESIGN FOR A LIGHTING FIXTURE
Norman E. Palmquist, Topeka, Kans.
Application September 27, 1948, Serial No. 148,792
Term of patent 3½ years
(Cl. D48—23)



The ornamental design for a lighting fixture, as shown.

154,303
DESIGN FOR A GARDEN TOOL
George Pavlinetz, Carteret, N. J.
Application December 11, 1947, Serial No. 143,098
Term of patent 14 years
(Cl. D35—2)



The ornamental design for a garden tool, as shown.

154,304
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 8, 1949, Serial No. 143
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

154,305
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application January 18, 1949, Serial No. 302
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

154,306
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 16, 1949, Serial No. 888
Term of patent 7 years
(Cl. D45—19)

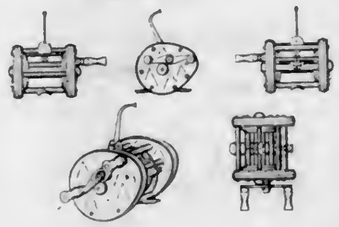


The ornamental design for a brooch or similar article, substantially as shown.

154,307
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application February 16, 1949, Serial No. 889
Term of patent 7 years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

154,308
DESIGN FOR A FISHING REEL
Othmar W. Pies, Cincinnati, Ohio, assignor to Aqua-Sportsman, Inc., Norwood, Ohio, a corporation of Ohio
Application October 29, 1946, Serial No. 134,374
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a fishing reel, as shown.

154,309
DESIGN FOR A COOKIE CUTTER
Stanley W. Price and Rebecca C. Price, Oklahoma City, Okla.
Application August 21, 1947, Serial No. 140,976
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a cookie cutter, substantially as shown.

154,310
DESIGN FOR A COOKIE CUTTER
Stanley W. Price and Rebecca C. Price, Oklahoma City, Okla.
Application August 21, 1947, Serial No. 140,977
Term of patent 7 years
(Cl. D44—29)



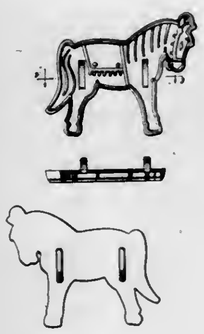
The ornamental design for a cookie cutter, substantially as shown.

154,311
DESIGN FOR A COOKIE CUTTER
Stanley W. Price and Rebecca C. Price,
Oklahoma City, Okla.
Application August 21, 1947, Serial No. 140,978
Term of patent 7 years
(Cl. D44—29)



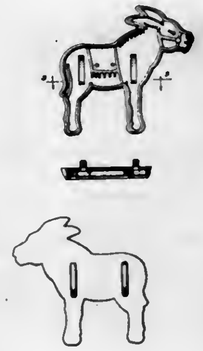
The ornamental design for a cookie cutter, substantially as shown.

154,312
DESIGN FOR A COOKIE CUTTER
Stanley W. Price and Rebecca C. Price,
Oklahoma City, Okla.
Application August 21, 1947, Serial No. 140,979
Term of patent 7 years
(Cl. D44—29)



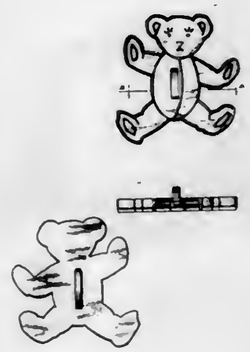
The ornamental design for a cookie cutter, substantially as shown.

154,313
DESIGN FOR A COOKIE CUTTER
Stanley W. Price and Rebecca C. Price,
Oklahoma City, Okla.
Application August 21, 1947, Serial No. 140,980
Term of patent 7 years
(Cl. D44—29)



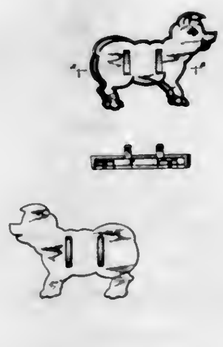
The ornamental design for a cookie cutter, substantially as shown.

154,314
DESIGN FOR A COOKIE CUTTER
Stanley W. Price and Rebecca C. Price,
Oklahoma City, Okla.
Application November 6, 1947, Serial No. 142,321
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a cookie cutter, substantially as shown.

154,315
DESIGN FOR A COOKIE CUTTER
Stanley W. Price and Rebecca C. Price,
Oklahoma City, Okla.
Application November 6, 1947, Serial No. 142,322
Term of patent 3½ years
(Cl. D44—29)



The ornamental design for a cookie cutter, substantially as shown.

154,316
DESIGN FOR A COOKIE CUTTER
Stanley W. Price and Rebecca C. Price,
Oklahoma City, Okla.
Application November 6, 1947, Serial No. 142,323
Term of patent 7 years
(Cl. D44—29)



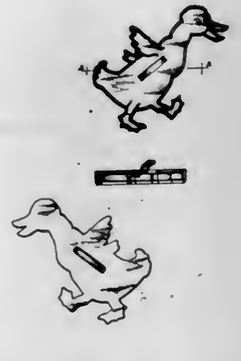
The ornamental design for a cookie cutter, substantially as shown.

154,317
DESIGN FOR A COOKIE CUTTER
Stanley W. Price and Rebecca C. Price,
Oklahoma City, Okla.
Application November 6, 1947, Serial No. 142,324
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a cookie cutter, substantially as shown.

154,318
DESIGN FOR A COOKIE CUTTER
Stanley W. Price and Rebecca C. Price,
Oklahoma City, Okla.
Application November 6, 1947, Serial No. 142,325
Term of patent 7 years
(Cl. D44—29)



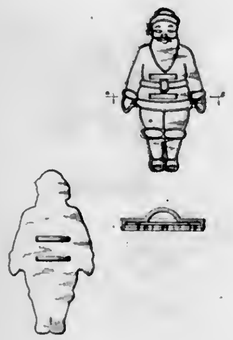
The ornamental design for a cookie cutter, substantially as shown.

154,319
DESIGN FOR A COOKIE CUTTER
Stanley W. Price and Rebecca C. Price, Oklahoma City, Okla.
Application November 6, 1947, Serial No. 142,326
Term of patent 3½ years
(Cl. D44—29)



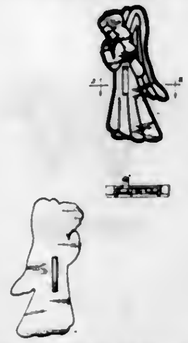
The ornamental design for a cookie cutter, substantially as shown.

154,320
DESIGN FOR A COOKIE CUTTER
Stanley W. Price and Rebecca C. Price, Oklahoma City, Okla.
Application November 6, 1947, Serial No. 142,327
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a cookie cutter, substantially as shown.

154,321
DESIGN FOR A COOKIE CUTTER
Stanley W. Price and Rebecca C. Price, Oklahoma City, Okla.
Application November 6, 1947, Serial No. 142,328
Term of patent 7 years
(Cl. D44—29)



The ornamental design for a cookie cutter, substantially as shown.

154,322
DESIGN FOR A SALES METER REGISTER
Charles F. Ramsay, Toronto, Ontario, Canada
Application December 24, 1947, Serial No. 143,329
Term of patent 14 years
(Cl. D74—5)



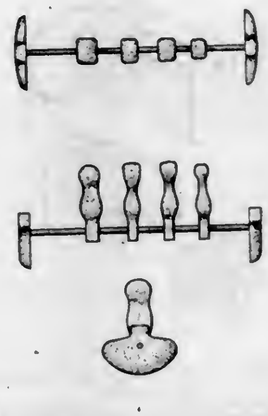
The ornamental design for a sales meter register, as shown and described.

154,323
DESIGN FOR A CHILD'S TEETER
James H. Reed, Detroit, Mich.
Application February 27, 1948, Serial No. 144,792
Term of patent 7 years
(Cl. D34—15)



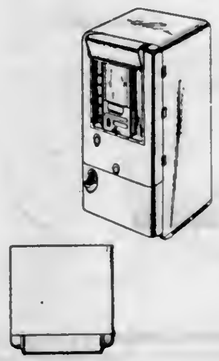
The ornamental design for a child's teeter, as shown.

154,324
DESIGN FOR A TOE NAIL POLISHING DEVICE
Patricia Reid, Chicago, Ill.
Application February 17, 1948, Serial No. 144,531
Term of patent 14 years
(Cl. D86—10)

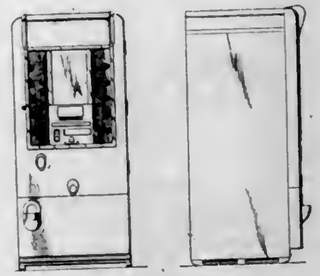


The ornamental design for a toe nail polishing device, as shown.

154,325
DESIGN FOR A DISPENSING MACHINE
Henry T. Roberts, Chicago, Ill., assignor to United States Vending Corporation, Chicago, Ill., a corporation of Delaware
Application January 22, 1948, Serial No. 143,985
Term of patent 3½ years
(Cl. D52—3)

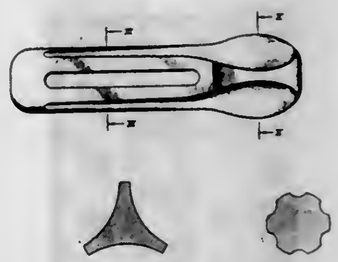


154,325—Continued



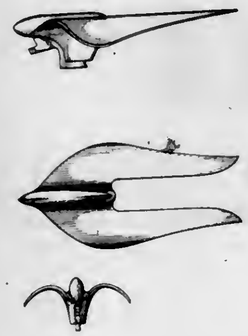
The ornamental design for a dispensing machine, substantially as shown.

154,326
DESIGN FOR A NONROLLING TORQUE TOOL HANDLE
Hudson B. Roysher, Los Angeles, Calif.
Application November 29, 1947, Serial No. 142,873
Term of patent 14 years
(Cl. D93—4)



The ornamental design for a nonrolling torque tool handle, substantially as shown.

154,327
DESIGN FOR AN AUTOMOBILE HOOD ORNAMENT
Alfred R. Russell, St. Clair Shores, Mich.
Application July 16, 1948, Serial No. 147,618
Term of patent 7 years
(Cl. D14—18)



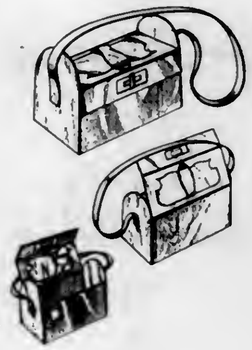
The ornamental design for an automobile hood ornament, substantially as shown.

154,328
DESIGN FOR A TILE FLOOR AND WALL COVERING
John E. Ryan, Danbury, Conn.
Application September 29, 1948, Serial No. 148,833
Term of patent 14 years
(Cl. D18—2)



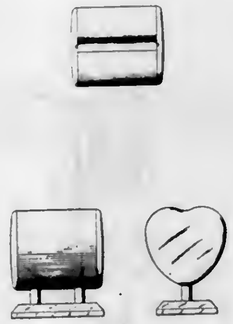
The ornamental design for a tile floor and wall covering, as shown and described.

154,329
DESIGN FOR A COMBINED HANDBAG AND SPECTACLE HOLDER
Ann Rose Schiff, Columbus, Ohio
Application August 27, 1948, Serial No. 148,341
Term of patent 14 years
(Cl. D87—3)



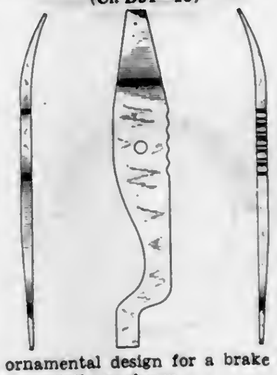
The ornamental design for a combined handbag and spectacle holder, substantially as shown and described.

154,330
DESIGN FOR A COMBINED CIGARETTE HOLDER AND DISPENSER
Maurice J. Schipper, San Diego, Calif.
Application January 10, 1948, Serial No. 143,647
Term of patent 3½ years
(Cl. D85—2)



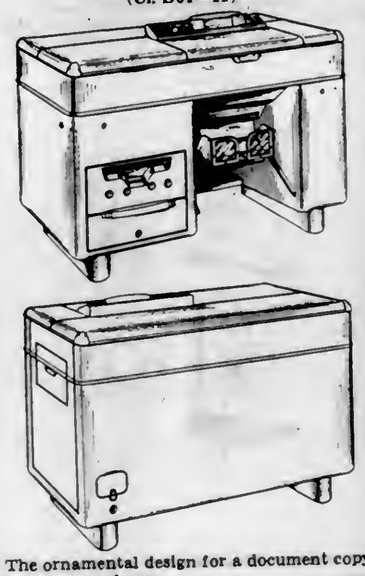
The ornamental design for a combined cigarette holder and dispenser, substantially as shown.

154,331
DESIGN FOR A BRAKE ADJUSTING TOOL
Wilbert F. Schnitger, Waukesha, and Earl C. Southall, Milwaukee, Wis.
Application December 11, 1946, Serial No. 135,405
Term of patent 3½ years
(Cl. D54—13)



The ornamental design for a brake adjusting tool, substantially as shown.

154,332
DESIGN FOR A DOCUMENT COPYING APPARATUS
Alvin E. Schubert, Theodore G. Clement, and John F. Egan, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 26, 1948, Serial No. 147,236
Term of patent 14 years
(Cl. D64—11)



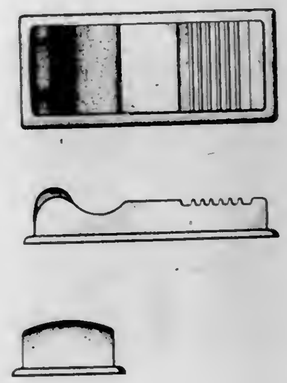
The ornamental design for a document copying apparatus, as shown.

154,333
DESIGN FOR A WRIST FLASHLIGHT OR SIMILAR ARTICLE
Sidney Schwartz, New York, N. Y., assignor to Bantam-Lite, Inc., New York, N. Y., a corporation of New York
Application February 12, 1949, Serial No. 820
Term of patent 14 years
(Cl. D48—25)



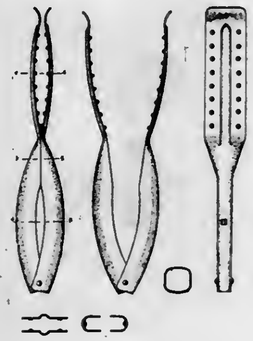
The ornamental design for a wrist flashlight or similar article, as shown.

154,334
DESIGN FOR A SILVERWARE POLISHING STAND
Amanda S. Seager, Glendale, Calif.
Application November 22, 1948, Serial No. 149,749
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a silverware polishing stand, as shown.

154,335
DESIGN FOR TONGS
Elwood K. Sechrist and Donald T. Offord, Detroit, Mich.
Application May 22, 1947, Serial No. 139,212
Term of patent 7 years
(Cl. D44—29)



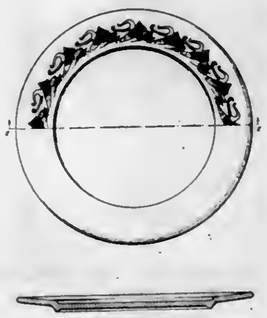
The ornamental design for tongs, as shown.

154,336
DESIGN FOR A WALL BRACKET
Harry P. Sharits, Denver, Colo.
Application June 9, 1947, Serial No. 139,535
Term of patent 3½ years
(Cl. D33—3)



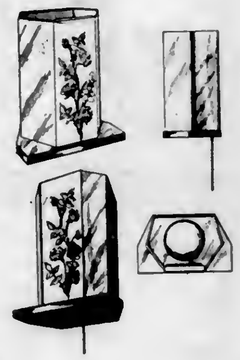
The ornamental design for a wall bracket, as shown.

154,337
DESIGN FOR A PLATE OR THE LIKE
Howard A. Silverman, Pittsburgh, Pa., assignor to Mayer China Company, Beaver Falls, Pa., a corporation of Pennsylvania
Application May 10, 1947, Serial No. 138,972
Term of patent 14 years
(Cl. D44—15)



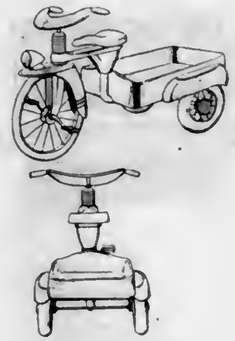
The ornamental design for a plate or the like, as shown and described.

154,338
DESIGN FOR A PIN-UP LAMP
Thomas J. Smith, Seattle, Wash.
Application September 27, 1948, Serial No. 148,794
Term of patent 3½ years
(Cl. D48—4)



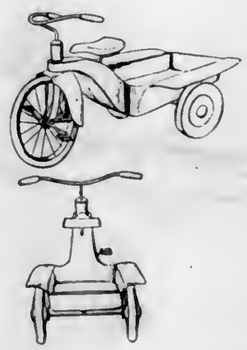
The ornamental design for a pin-up lamp, as shown.

154,339
DESIGN FOR A JUVENILE VEHICLE
William I. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application August 12, 1948, Serial No. 148,071
Term of patent 14 years
(Cl. D34—15)



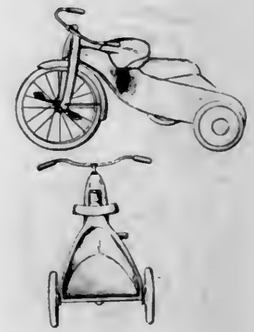
The ornamental design for a juvenile vehicle, as shown.

154,340
DESIGN FOR A JUVENILE VEHICLE
William I. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application August 12, 1948, Serial No. 148,072
Term of patent 14 years
(Cl. D34—15)



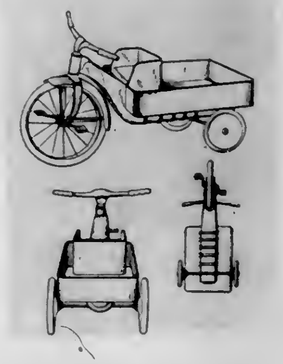
The ornamental design for a juvenile vehicle, as shown.

154,341
DESIGN FOR A JUVENILE VEHICLE
William I. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application August 12, 1948, Serial No. 148,074
Term of patent 14 years
(Cl. D34—15)



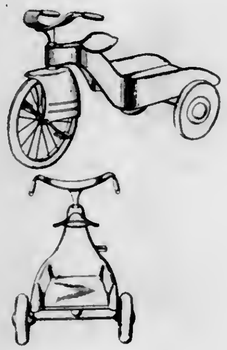
The ornamental design for a juvenile vehicle, as shown.

154,342
DESIGN FOR A JUVENILE VEHICLE
William I. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application August 12, 1948, Serial No. 148,075
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a juvenile vehicle, as shown.

154,343
DESIGN FOR A JUVENILE VEHICLE
William I. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application August 12, 1948, Serial No. 148,076
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a juvenile vehicle, as shown.

154,344
DESIGN FOR A TEXTILE FABRIC
David Stapler, Philadelphia, Pa.
Application April 17, 1948, Serial No. 145,785
Term of patent 3½ years
(Cl. D92—1)



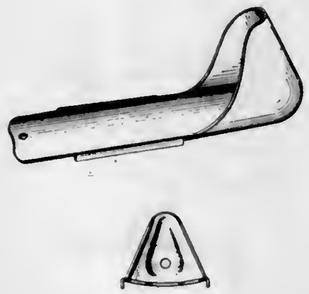
The ornamental design for a textile fabric, as shown.

154,345
DESIGN FOR A TYPEWRITER
Samuel A. Thompson, New York, N. Y., assignor to Simplex Typewriter Company, Inc., New York, N. Y.
Application October 1, 1947, Serial No. 141,699
Term of patent 7 years
(Cl. D64—11)



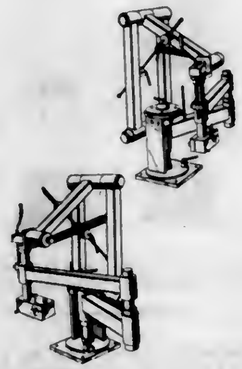
The ornamental design for a typewriter, as shown.

154,346
DESIGN FOR AN ENEMA TRAY
Virginia Campbell Thompson, Arlington County, Va.
Application August 27, 1947, Serial No. 141,085
Term of patent 7 years
(Cl. D83—1)



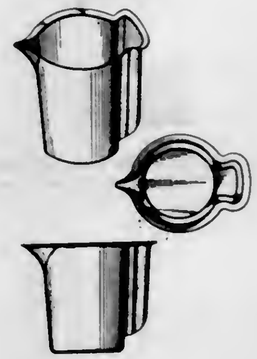
The ornamental design for an enema tray, as shown.

154,347
DESIGN FOR A RADIAL SAW SUPPORT
Mearl V. Tracy, Pasadena, Calif.
Application November 22, 1946, Serial No. 135,014
Term of patent 14 years
(Cl. D93—3)



The ornamental design for a radial saw support, as shown.

154,348
DESIGN FOR A PITCHER
Earl S. Tupper, Upton, Mass.
Application October 5, 1946, Serial No. 133,775
Term of patent 14 years
(Cl. D44—21)

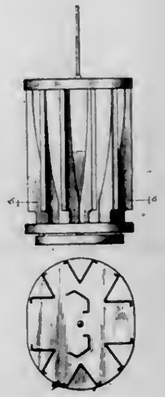


The ornamental design for a pitcher, as shown.

154,349
WITHDRAWN

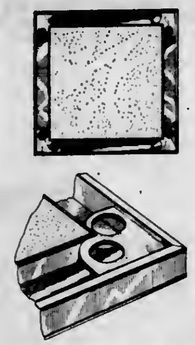
154,350
DESIGN FOR A DISPLAY STAND
Felix Van Cleef, Chicago, Ill., assignor to Johns-Manville Corporation, New York, N. Y.
Application March 15, 1948, Serial No. 145,092
Term of patent 14 years
(Cl. D80—9)





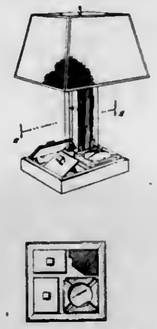
The ornamental design for a display stand, substantially as shown.

154,351
DESIGN FOR A GAME TABLE TOP
Michael M. Warner, Winnetka, Ill., assignor to Mason-Williams Company, Chicago, Ill., a corporation of Illinois
Application June 28, 1947, Serial No. 139,987
Term of patent 14 years
(Cl. D33—14)



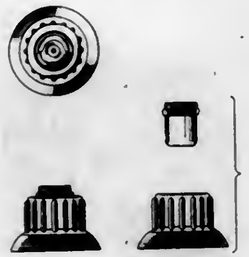
The ornamental design for a game table top, as shown.

154,352
DESIGN FOR A TABLE LAMP
Siegbert Wetterhahn, New York, N. Y.
Application March 26, 1947, Serial No. 137,896
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a table lamp, as shown.

154,353
DESIGN FOR A TOLL COIN OR TOKEN DEVICE FOR AUTOMOBILES
Abraham Zitenfield and Joe Weil, New York, N. Y.
Application June 10, 1947, Serial No. 139,566
Term of patent 7 years
(Cl. D52—4)



The ornamental design for a toll coin or token device for automobiles, substantially as shown.

154,354
DESIGN FOR A TOLL COIN OR TOKEN DEVICE FOR AUTOMOBILES
Abraham Zitenfield and Joe Weil, New York, N. Y.
Application June 12, 1947, Serial No. 139,628
Term of patent 3½ years
(Cl. D52—4)



The ornamental design for a toll coin or token device for automobiles, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Academy Award Products, Inc., New York, N. Y. Motion picture machines, and equipment, apparatus, and accessories relating thereto. Serial No. 496,939, June 28. Class 26.

Adel Precision Products Corp.: *See*—
Aerco Corporation.

Aerco Corporation, Hollydale, assignor to Adel Precision Prodocts Corp., Los Angeles, Calif. Farm tractors and a pressure type mixing machine or applicator. Serial No. 506,150, June 28. Class 23.

Alterman, Norman B., doing business as T & T Company, Peekskill, N. Y. Foot ointment and lotion. Serial No. 563,387, June 28. Class 6.

American Optical Company, Southbridge, Mass. Ophthalmic frames and mountings. Serial No. 553,054, June 28. Class 26.

American Packing & Provision Co., Ogden, Utah. Smoked pork jowls. Serial No. 520,081, June 28. Class 46.

American Prodocts Company: *See*—
Gibson Packing Company.

American Textile Converters, Inc., New York, N. Y. Children's and infants' outerwear, etc. Serial No. 552,738, June 28. Class 39.

Ardin, Lucien, Inc., New York, N. Y. Wines. Serial No. 504,017, June 28. Class 47.

Ardin, Lucien, Inc., New York, N. Y. Wines. Serial No. 564,019, June 28. Class 47.

Arick, Walter R., Fort Wayne, Ind. Printing plates. Serial No. 521,234, June 28. Class 50.

Armour and Company, Chicago, Ill. Fertilizer. Serial No. 528,408, June 28. Class 10.

Armour and Company, Chicago, Ill. Paste dry cleaning soap. Serial No. 548,451, June 28. Class 4.

Armour and Company, Chicago, Ill. Soap. Serial No. 548,462, June 28. Class 4.

Armour and Company, Chicago, Ill. Grit hand soap. Serial No. 548,464, June 28. Class 4.

Armstrong Cork Company, Lancaster, Pa. Linoleum and felt base, floor and wall coverings, etc. Serial No. 508,507, June 28. Class 20.

Armstrong Paint & Varnish Works, Chicago, Ill. Ready mixed paint, varnishes and paint enamels. Serial No. 538,069, June 28. Class 16.

Baar & Beards, Inc., New York, N. Y. Women's cummerbunds. Serial No. 551,754, June 28. Class 39.

Bags by Maurice, Inc., New York, N. Y. Ladies' handbags. Serial No. 565,533, June 28. Class 3.

Bailey Meter Company, Cleveland, Ohio. Measuring, controlling, and regulating instruments, systems, and apparatus. Serial Nos. 544,506–7, June 28. Class 26.

Balloid Basler Celluloidwarenfabrik A. G. Therwil, Therwil, Switzerland. Dressing combs, pocket combs, fancy hair combs, etc. Serial No. 531,087, June 28. Class 40.

Beazley Power Mower Co., St. Petersburg, Fla. Power operated lawn mowers. Serial No. 530,709, June 28. Class 23.

Berkshire Footwear Corporation, Inc., Holliston, Mass. Infants' moccasin shoes. Serial No. 553,066, June 28. Class 39.

Better-Bilt Manufactnring Company, Minneapolis, Minn. Ground engaging drag rod units. Serial No. 524,171, June 28. Class 23.

Boorum & Pease Company, Brooklyn, N. Y. Hand operated punch presses. Serial No. 533,129, June 28. Class 23.

Boorum & Pease Company, Brooklyn, N. Y. Hand operated punches. Serial No. 533,132, June 28. Class 23.

Botany Mills, Inc., Passaic, N. J. Face powder. Serial No. 558,274, June 28. Class 6.

Bradford Dyeing Association (U. S. A.), Westerly, R. I., and New York, N. Y. Services rendered manufacturers of all kinds of fabric. Serial No. 544,039, June 28. Class 55.

Bradford Dyeing Association (U. S. A.), Westerly, R. I., and New York, N. Y. Services rendered manufacturers of all kinds of fabric. Serial No. 544,047, June 28. Class 55.

Braid-Aid Company: *See*—
Griswold, Roger C.

Brakeley Canning Co., The: *See*—
Brakeley, Harry H., Jr.

Brakeley Food Products Co., The: *See*—
Brakeley, Harry H., Jr.

Brakeley, Harry H., Jr., doing business as The Brakeley Canning Co. and The Brakeley Food Products Co., Bordentown, N. J. Canned vegetables, canned fruits, tomato catsup, and chili sauce. Serial No. 547,422, June 28. Class 40.

Brown Company, Berlin, N. H. Paper towels and towel paper. Serial No. 517,350, June 28. Class 37.

Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Preparation intended for local application to the nasal mucous membrane. Serial No. 567,902, June 28. Class 6.

Calder, James, doing business as Calder's Van Co., Chicago, Ill. Local and long distance moving. Serial No. 531,575, June 28. Class 55.

Calder's Van Co.: *See*—
Calder, James.

Cape Ann Manufacturing Co., Gloucester, Mass. Men's and boys' woolen and cotton coats and jackets. Serial No. 552,744, June 28. Class 39.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Surface-active chemical compositions. Serial No. 549,615, June 28. Class 6.

Carr-Consolidated Biscuit Company: *See*—
Irvins', J. S., Son Inc.

Central Division Company, Chicago, Ill. Asphalt insulated panels. Serial No. 546,089, June 28. Class 12.

Cheney Lumber Company, Inc., Tacoma, Wash. Lumber product. Serial No. 530,807, June 28. Class 12.

Christy & Company, Limited, London, England. Hats, caps and helmets. Serial No. 548,928, June 28. Class 39.

Cohen, S., & Co. Inc., New York, N. Y. Ladies' and misses' slips, nightgowns, camisoles, etc. Serial No. 557,114, June 28. Class 39.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. Serial No. 552,121, June 28. Class 4.

Collegeville Flag and Manufacturing Company, Collegeville, Pa. Children's playsuits. Serial No. 552,048, June 28. Class 39.

Collins Radio Company, Cedar Rapids, Iowa. Unitary mechanical and electromechanical selector mechanisms. Serial No. 530,173, June 28. Class 21.

Columbia Walescraft Ltd., New York, N. Y. Billfolds, wallets, key cases, etc. Serial No. 556,075, June 28. Class 3.

Crane Packing Company, Chicago, Ill., and Wilmington, Calif. Grinding, polishing, and lapping machines and parts thereof. Serial No. 559,876, June 28. Class 23.

Crescent Engineering Company, assignor to Crescent Engineering Company, Chicago, Ill. Electrical engineering and contracting service. Serial No. 550,026, June 28. Class 55.

De Laval Separator Company, The, New York, N. Y. Centrifuges other than cream separators. Serial No. 503,502, June 28. Class 23.

De Pree Company, The, Holland, Mich. Insecticide. Serial No. 560,386, June 28. Class 6.

Deran Confectionery Co., Inc., Cambridge, Mass. Candy. Serial No. 575,253, June 28. Class 46.

Dessuiniers, Germaine A., Niagara Falls, N. Y. Herbal lung tonic. Serial No. 559,009, June 28. Class 6.

Diamond Alkali Company, Cleveland, Ohio. Chemical preparations. Serial No. 510,490, June 28. Class 6.

Dieman, Charles A., Lanham, Md. Coffee flavored maltless soft drink. Serial No. 540,049, June 28. Class 45.

Donley-Evans & Company, St. Louis, Mo. Medicine. Serial No. 558,017, June 28. Class 6.

Drew, E. F., & Co., Inc., New York, N. Y. Vitamin D-activated vegetable sterols. Serial No. 508,795, June 28. Class 46.

Drew, E. F., & Co., Inc., New York, N. Y. Compositions of D-activated animal sterols and Vitamin D feeding oils. Serial No. 508,796, June 28. Class 46.

Dura Electric Lamp Co., Inc., Newark, N. J. Starter switches for fluorescent lamps. Serial No. 555,488, June 28. Class 21.

Dutchess Textile & Hosiery Co., Westport, Conn. Women's underwear, hosiery, nightgowns, etc. Serial No. 544,070, June 28. Class 39.

E. A. Laboratories, Inc., Brooklyn, N. Y. Electric horns. Serial No. 541,112, June 28. Class 21.

E & B Products Company, The: *See*—
Yauman, Mary L.

Eastern States Farmers' Exchange, West Springfield, Mass. Baler and binder twine. Serial Nos. 508,359–60, June 28. Class 7.

Edmonds, Allen, Shoe Corporation, Belgium, Wis. Shoes. Serial No. 545,358, June 28. Class 39.

Edwards, J., & Co., Philadelphia, Pa. Leather shoes. Serial No. 528,051, June 28. Class 39.

Egyptian Chemical Company, Boston, Mass. Embalming fluid. Serial No. 556,954, June 28. Class 6.

Eisendrath, Joseph N., Company, Chicago, Ill. Men's gloves. Serial No. 496,222, June 28. Class 39.

Electric Household Utilities Corporation: *See*—
Thor Corporation.

Endo Products Inc., Richmond Hill, N. Y. Medicine. Serial Nos. 558,377–9, June 28. Class 6.

Esso Standard Oil Company: *See*—
Stanco Incorporated.

Ewing, Ray, Company, The, South Pasadena, Calif. Self-measuring liquid vitamin dispensing unit. Serial No. 541,117, June 28. Class 26.

Faesy & Besthoff, Inc., New York, N. Y. Calcium chloride compound. Serial No. 551,882, June 28. Class 6.

Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, etc. Serial No. 544,561, June 28. Class 39.
Fast, John E., & Co., Chicago, Ill. Capacitors. Serial Nos. 556,003–4, June 28. Class 21.
Flavor Corporation of America, Chicago, Ill. Flavoring extracts, fruit flavorings, pickle flavoring, etc. Serial No. 521,869, June 28. Class 46.
Franklin Laboratories, Inc., Englewood, N. J. Pharmaceutical preparation. Serial No. 542,757, June 28. Class 6.
Freret, Paul, Paris, France. Dress forms. Serial No. 520,139, June 28. Class 50.
Fusite Corporation, Cincinnati, Ohio. Hermetically sealed terminal panels. Serial No. 523,202, June 28. Class 21.
Gates Rubber Company, The, Denver, Colo. Pneumatic tires. Serial No. 562,775, June 28. Class 35.
General Control Company, Boston, Mass. Panels of electronic and/or electro-mechanical sequence timers, circuits therefor and relays and condensers, etc. Serial No. 511,462, June 28. Class 21.
Gibson Packing Company, doing business as American Products Company, Yakima, Wash. Canned dog and cat food. Serial No. 538,279, June 28. Class 46.
Gladding, B. F., & Co. Inc., South Otselic, N. Y. Fishing lines. Serial No. 527,060, June 28. Class 22.
Golden Guernsey, Inc., Peterborough, N. H. Fluid milk and cream. Serial Nos. 530,190–1, June 28. Class 46.
Goldrim Hat Co., New York, N. Y. Men's hats. Serial No. 525,213, June 28. Class 39.
Goldstine, Sam, & Son, Phoenix, Ariz. Fresh vegetables. Serial No. 546,580, June 28. Class 46.
Griswold, Roger C., doing business as Braid-Aid Company, Kingston, Mass. Hand sewing needles. Serial No. 567,196, June 26. Class 40.
Grocer-Graphic, Inc., New York, N. Y. Trade magazines and publications. Serial No. 539,317, June 28. Class 38.
Guild Industries, Brooklyn, N. Y. Juvenile furniture. Serial No. 562,590, June 28. Class 32.
Haiex Limited, London, England. Toothbrushes, hair brushes, nail brushes, and shaving brushes. Serial No. 566,276, June 28. Class 29.
Halper, Myer, doing business as Halper Publishing Co., Chicago, Ill. Trade publications. Serial No. 555,176, June 28. Class 38.
Halper Publishing Co.: *See*—
Halper, Myer.
Harrington, Van Dusen, Co., Minneapolis, Minn., operating through a division known as King Midas Flour Mills. Wheat flour. Serial No. 536,851, June 28. Class 46.
Heating & Air Conditioning Supply, Inc., Reno Nev. Electrical space heaters; electrical combination fan and space heaters; electric fans, etc. Serial No. 542,313, June 28. Class 21.
Hilmer, Alfred M., Springfield, Ill. Chilli-powder seasonings. Serial No. 552,775, June 28. Class 46.
Hobrock, Raymond H., Birmingham, Mich. Implements for holding and scaling fish in the cleaning thereof. Serial No. 546,496, June 28. Class 23.
Homeland Tailors, Inc., Baltimore, Md. Men's and youths' outer clothing. Serial No. 538,753, June 28. Class 39.
House of Westmore, Inc., New York, N. Y. Face powder. Serial No. 559,770, June 28. Class 6.
Hudson, John W., New York, N. Y. Feed pipes or tubing. Serial No. 521,389, June 28. Class 13.
Indian Drilling Mud Co., Inc., Britton, Okla. Drilling mud. Serial No. 551,973, June 28. Class 1.
Interchemical Corporation, New York, N. Y. Pigment material for paints and varnishes. Serial No. 556,102, June 28. Class 16.
International Silver Company, The, Meriden, Conn. Silverplated flat-ware. Serial No. 530,936, June 28. Class 28.
Ivins', J. S., Son, Inc., Philadelphia, assignor to Carr-Consolidated Biscuit Company, Wilkes-Barre, Pa. Cookies. Serial No. 470,834, June 28. Class 46.
Joell Manufacturing Co.: *See*—
Menschik, Murray.
Johnson Machine and Press Corporation, Elkhart, Ind. Inclinable power presses. Serial No. 506,321, June 28. Class 23.
Kenley, Joan, Inc., New York, N. Y. Women's and misses' dresses and blouses. Serial No. 550,517, June 28. Class 39.
Kenley, Joan, Inc., New York, N. Y. Women's and misses' blouses and dresses. Serial No. 550,523, June 28. Class 39.
Kidde, Walter, & Company, Inc., Belleville, N. J. Portable hand fire extinguishers, wheeled portable hand operated fire extinguishing units; fire extinguishing apparatus. Serial No. 523,814, June 28. Class 23.
King Midas Flour Mills: *See*—
Harrington, Van Dusen, Co.
Koren Bros., New York, N. Y. Finger rings. Serial No. 560,025, June 28. Class 28.
Kraft Foods Company, Chicago, Ill. Cheese. Serial No. 537,465, June 28. Class 46.
Kroop, A. M., & Sons: *See*—
Kroop, Adolph M.
Kroop, Adolph M., trading as A. M. Kroop & Sons, Laurel, Md. Boots, shoes, jodhpurs, etc. Serial No. 543,722, June 28. Class 39.
Laboratoire Vincent Laboratory Inc., Montreal, Quebec, Canada. Antiseptic. Serial No. 560,764, June 28. Class 6.
Lamson & Sessions Co., The, Cleveland, Ohio. Merchandising cabinets. Serial No. 541,140, June 28. Class 32.
Law, John W.: *See*—
Law, John W., Co.
Law, John W., Co., also doing business as John W. Law, Santa Maria and Guadalupe, Calif. Fresh cauliflower. Serial No. 522,255, June 28. Class 46.
Lazarus, S., & Sons, Inc., Chicago, Ill. Finger rings. Serial No. 530,322, June 28. Class 28.
Lebon Company, The, Chicago, Ill. Wall calendars, booklets, folders. Serial No. 520,740–1, June 28. Class 38.
Lent, Robert Hamilton, doing business as Tnel Manufacturing Company, Hornell, N. Y. Electric arc welding machines and spot welding machines. Serial No. 533,752, June 28. Class 21.
Lentheric Incorporated, New York, N. Y. Perfumes, toilet water, face powder, etc. Serial No. 558,567, June 28. Class 6.
Librett, Norman, Inc., New Rochelle, N. Y. Braided cordage. Serial No. 568,204, June 28. Class 7.
Lincoln Stores, Inc., Quincy, Mass. Women's underwear and women's hosiery. Serial No. 557,670, June 28. Class 39.
Lion Chemical Company, Chicago, Ill. Chemical preparation. Serial No. 550,049, June 28. Class 6.
Lisa, Seymour A.: *See*—
Personal Linen Supply Company.
Lo-Calory Food Corporation, New York, N. Y. Tablets to relieve allergy distress. Serial No. 561,202, June 28. Class 6.
Lockwood Hardware Mfg. Co., Fitchburg, Mass. Builder's hardware. Serial No. 537,055, June 28. Class 13.
Ludlow Manufacturing & Sales Co., Boston Mass. Twine. Serial No. 560,713, June 28. Class 7.
Lyon Metal Products, Incorporated, Aurora, Ill. Roller conveyors. Serial No. 537,206, June 28. Class 23.
M & H Laboratories, Chicago, Ill. Liquid solvent. Serial No. 526,613, June 28. Class 16.
Manufacturing Laboratories, Inc., Boston, Mass. Water resisting and leather mellowing compound. Serial No. 547,564, June 28. Class 4.
Marble Arms & Mfg. Company, Glasstone, Mich. Compasses. Serial No. 558,150, June 28. Class 26.
Marblehead Lime Company, Chicago, Ill. Lime used for industrial and construction purposes. Serial No. 540,429, June 28. Class 12.
McGraw, C. L., Kathleen, Fla. Insecticide. Serial No. 559,166, June 28. Class 6.
McKesson & Robbins, Incorporated, New York, N. Y. Fungicide. Serial No. 567,707, June 28. Class 6.
McQuay-Norris Manufacturing Co., St. Louis, Mo. Solenoids, mechanisms incorporating solenoids. Serial No. 536,643, June 28. Class 21.
Menschik, Murray, doing busines as Joell Manufacturing Co., Brooklyn, N. Y. Leather goods. Serial No. 567,029. June 28. Class 3.
Metal Office Furniture Co., Grand Rapids, Mich. Metal filing cabinets, metal storage cases, metal tabulating card files, etc. Serial No. 515,668, June 28. Class 32.
Morey Mercantile Company, The, Denver, Colo. Brooms. Serial Nos. 549,392–3, June 28. Class 29.
Morton Salt Company, Chicago, Ill. Salt. Serial No. 537,813, June 28. Class 46.
Mosso, C. A., Company, Chicago, Ill. Inhibitory antiseptic. Serial No. 564,084, June 28. Class 6.
Motor Wheel Corporation, Lansing, Mich. Gas burners. Serial No. 561,844, June 28. Class 34.
Mueller, C. F., Company: *See*—
Mueller, C. F., Co.
Mueller, C. F., Co., Jersey City, N. J., now by merger C. F. Mueller Company. Noodles, macaroni, spaghetti, and analogous alimetary pastes. Serial No. 534,314, June 28. Class 46.
Muscat Cooperative Winery Association, Kingsburg, Calif. Wines. Serial No. 563,123, June 28. Class 47.
National Cylinder Gas Company, Chicago, Ill. Electrical arc welding machines, welding units, and parts thereof, etc. Serial No. 545,513, June 28. Class 21.
National Cylinder Gas Company, Chicago, Ill. Gas welding and cutting apparatus and supplies. Serial No. 546,412, June 28. Class 34.
Neatform Co. Inc., The, New York, N. Y. Foundation garments, girdles, and brassières. Serial No. 528,303, June 28. Class 39.
Norvell-Williams, Inc., Kansas City, Mo. Flour bolters. Serial No. 522,261, June 28. Class 23.
Nutren Products, Limited, Windsor, Ontario, Canada. Iron capsules. Serial No. 559,237, June 28. Class 6.
Nutrition Research Laboratories, Chicago, Ill. Ointment. Serial No. 558,582, June 28. Class 6.
Orr, William G., doing business as The Orzone Company, London, England. Inhalant. Serial No. 558,583, June 28. Class 6.
Orzone Company, The: *See*—
Orr, William G.
Oval Wood Dish Corporation, Tupper Lake, N. Y. Single service, disposable one-piece wooden spoons. Serial No. 541,173, June 28. Class 23.
Oval Wood Dish Corporation, Tupper Lake, N. Y. Single service disposable one-piece wooden forks. Serial No. 541,174, June 28. Class 23.

Pabst Brewing Company, Milwaukee, Wis. Beer. Serial No. 543,734, June 28. Class 46.
Parfumerie Agnel, Societe a Responsabilite Limitee, Paris, France. Perfume, toilet water, lipstick, etc. Serial No. 556,023, June 28. Class 6.
Parker Products: *See*—
Parker, Rutledge B.
Parker, Rutledge B., doing business as Parker Products, Waterbury, Conn. Cleaning liquids. Serial No. 565,005, June 28. Class 4.
Paulsen & Roles Laboratories, Portland, Oreg. General cleansing agent. Serial No. 495,984, June 28. Class 4.
Pediaform Laboratories, Inc., Santa Monica, Calif. Pediatric pharmaceutical preparations. Serial No. 538,170, June 28. Class 28.
Penick, S. B., & Company, New York, N. Y. Cascara bark. Serial No. 564,212, June 28. Class 6.
Peres, A. R., Manufacturing Company: *See*—
Perez, Albert R.
Peres, Albert R., doing business as A. R. Peres Manufacturing Company, San Antonio, Tex. Dresses. Serial No. 555,691, June 28. Class 39.
Permo Incorporated, Chicago, Ill. Non-corosive and wear-resisting alloys. Serial No. 559,429, June 28. Class 14.
Personal Linen Supply Company, assignor to S. A. Lisa, doing business as Personal Linen Supply Company, Cedarhurst, N. Y. Linen supply services. Serial No. 550,433, June 28. Class 35.
Pfanstiehl Detergent Chemicals, Inc., Chicago and Waukegan, Ill. Detergent washing powder. Serial No. 566,098, June 28. Class 4.
Physical Medicine Instrument Company, Inc., Indianapolis, Ind. Electric therapeutic device. Serial No. 507,932, June 28. Class 44.
Plastic Products Company, Detroit, Mich. Glazing compound. Serial No. 540,453, June 28. Class 12.
Plochman & Harrison, Chicago, Ill. Prepared mustard. Serial No. 471,984, June 28. Class 46.
Raybestos-Manhattan, Inc., Passaic, N. J. Rivets. Serial No. 555,562, June 28. Class 13.
Reliance Gauge Column Company, The, Cleveland, Ohio. Steam boiler fittings and furnishings. Serial No. 555,017, June 28. Class 13.
Remington Optical Corporation, New York, N. Y. Eyeglass frames. Serial Nos. 533,922–3, June 28. Class 26.
Roche-Organon Inc., Nutley, N. J. Antiseptic solution. Serial No. 559,120, June 28. Class 6.
Rockwell Industries, Inc., Clayton, Mo. Packaged materials to be used in the construction of toy model aircraft and other toys. Serial No. 522,872, June 28. Class 22.
Royce Chemical Company, Carlton Hill, N. J. Solubilized insoluble natural gum. Serial No. 530,773, June 28. Class 6.
Safety Fumigant Company, Boston and Hingham, Mass. Chemical. Serial No. 563,570, June 28. Class 6.
Safeway Stores, Incorporated, Oakland, Calif. Brooms. Serial No. 557,073, June 28. Class 29.
Sales Management, Inc., New York, N. Y. Trade magazines and publications. Serial No. 539,352, June 28. Class 38.
Savides, Savas, Rockaway Beach, N. Y. Coffee. Serial No. 521,212, June 28. Class 46.
Schlosser Paper Corporation, New York, N. Y. Writing papers, printing papers, correspondence cards, etc. Serial No. 546,056, June 28. Class 37.
Schwab, Armand, & Co., Inc., New York, N. Y. Millinery braids. Serial No. 558,741, June 28. Class 40.
Schwab, Armand, & Co., Inc., New York, N. Y. Millinery braids. Serial No. 559,490, June 28. Class 40.
Sexton, John, & Co., Chicago, Ill. Dishwashing compound. Serial No. 566,036, June 28. Class 4.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial preparation. Serial No. 552,813, June 28. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antacid. Serial No. 558,520, June 28. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Bronchial medicament. Serial No. 558,521, June 28. Class 6.
Sills & Green Optical Corp., Brooklyn, N. Y. Sunglasses and lenses for glasses. Serial No. 559,061, June 28. Class 26.
Smith, Edward, & Co., Inc., New York, N. Y. Paint. Serial No. 549,021, June 28. Class 16.
Smith, Kenneth, Kansas City, Mo. Golf club grip conditioner. Serial No. 535,267, June 28. Class 4.
Smith, T. J. & J., Limited, London, England. Leather breast pocket wallets and billfolds, leather billfolds with purse for change. Serial No. 569,107, June 28. Class 3.
Societe Anonyme Renaud Paris 1817, Montreuil (Seine), France. Nail polish, face, hand, body, and hair lotions. Serial No. 523,807, June 28. Class 6.
Sorensen and Company, Inc., Stamford, Conn. Voltage regulators. Serial No. 541,713, June 28. Class 21.
Square D Company, Detroit, Mich. Optical instruments. Serial No. 459,274, June 28. Class 26.
Staaf, Richard V., Crafton, Pa. Electrical apparatus. Serial No. 548,543, June 28. Class 21.
Stanco Incorporated, Wilmington, Del., New York, N. Y., assignor to Esso Standard Oil Company, Wilmington, Del. Petroleum sulfonates. Serial No. 552,610, June 28. Class 4.
Standard Brands Incorporated, New York, N. Y. B-complex powder. Serial No. 556,225, June 28. Class 6.
Standard Laboratories, Inc., New York, N. Y. Antacid preparation. Serial No. 554,168, June 28. Class 6.
Steel Publications, Inc., Pittsburgh, Pa. Section in a periodical. Serial No. 564,790, June 28. Class 38.
Steinwender, Stoffregen & Co., Inc., Green coffee. Serial No. 544,474, June 28. Class 46.
Stewart-Warner Corporation, Chicago, Ill. Radio receiving sets. Serial No. 543,667, June 28. Class 21.
Sun Chemical Corporation, New York, N. Y. Caulking compounds, waterproofing compounds, and metallic powdered hardeners. Serial No. 545,780, June 28. Class 12.
T & T Company: *See*—
Alterman, Norman B.
Taylor, Taylor & Hobson, Limited, Leicester, England. Photographic cameras, optical instruments, precision measuring instruments. Serial No. 499,025, June 28. Class 26.
Taylor, Thomas, & Sons, Inc., Hudson, Mass. Shoe laces. Serial No. 566,868, June 28. Class 40.
Tennant, C., Sons & Co. of New York, New York, N. Y. Machines and tools. Serial No. 489,542, June 28. Class 23.
Tennessee Corporation, doing business under the name "U. S. Phosphoric Products," New York, N. Y. Fertilizers. Serial No. 544,004, June 28. Class 10.
Thor Corporation, Chicago, Ill., by change of name from Electric Household Utilities Corporation. Electric dishwashing machines. Serial No. 515,860, June 28. Class 21.
Tnel Manufacturing Company: *See*—
Lent, Robert H.
Transparent Products Co., Inc., New York, N. Y. Printed pressure-sensitive adhesive cloth tape labels. Serial No. 519,607, June 28. Class 38.
United-Carr Fastener Corporation, Cambridge, Mass. Fasteners, connectors, and attaching devices. Serial No. 497,893, June 28. Class 13.
United States Air Compressor Company, The, Cleveland, Ohio. Automatic vehicle lifts and reciprocating jacks. Serial No. 529,730, June 28. Class 23.
United States Industrial Diamond Corporation, New York, N. Y. Diamond in powder and paste form. Serial No. 522,099, June 28. Class 1.
"U. S. Phosphoric Products": *See*—
Tennessee Corporation.
Velvet Pharmaceutical Products Co., Inc., doing business as Velvet Products Co., New York, N. Y. Cream used for easing of teething pains and painful gums. Serial No. 544,706, June 28. Class 6.
Velvet Products Co.: *See*—
Velvet Pharmaceutical Products Co., Inc.
Victor Chemical Works, Chicago, Ill. Ammonium phosphate. Serial No. 528,535, June 28. Class 6.
Vitron Corporation, The, Wilmington, Del. Electrical insulation materials. Serial No. 513,919, June 28. Class 21.
Warner, William R., & Co., Inc., Wilmington, Del., and New York, N. Y. Vitamin composition. Serial No. 513,144, June 28. Class 6.
Waverhoe Trimming Co., Inc., New York, N. Y. Pipings and trimmings of leather and of fabric. Serial No. 542,897, June 28. Class 40.
Weissman, Fred P., Co., Harrodsburg, Ky. Boys', girls', and children's coats and suits. Serial No. 513,082, June 28. Class 39.
Welco Co.: *See*—
Wells, Horace P.
Wells, Horace P., doing business as Welco Co., South Bend, Ind. Block or tray used for holding a roast of meat or fowl to be carved. Serial No. 546,074, June 28. Class 23.
Wiener, Ben, and Bro., New York, N. Y. Boys' suits and overcoats. Serial No. 551,926, June 28. Class 39.
Wiener, Ben, and Bro., New York, N. Y. Boys' and young men's suits and overcoats. Serial No. 551,927, June 28. Class 39.
Wiener, Ben, and Bro., New York, N. Y. Boys' and men's coats, vests, trousers, etc. Serial No. 551,928, June 28. Class 39.
Yauman, Mary L., doing business as The E & B Products Company, Youngstown, Ohio. Hand lotions. Serial No. 537,270, June 28. Class 6.
Young Classics, Inc., New York, N. Y. Infants', girls', and ladies' coats. Serial No. 547,002, June 28. Class 39.
Young, Mira, Inc., New York, N. Y. Perfumes, toilet waters, toilet creams, etc. Serial No. 558,406, June 28. Class d.

LIST OF REGISTRANTS OF TRADE-MARKS

ACF-Brill Motors Company, Philadelphia, Pa. Motor busses and motor bus bodies. 511,536, June 28; Serial No. 494,533, published Mar. 8, 1949. Class 19.
A. P. W. Paper Company, Inc., by A. P. W. Products Company, Inc., Albany, N. Y. Paper. 311,124, Mar. 13, 1934. Republished June 28. Class 37.
A. P. W. Products Company, Inc.: *See*—
A. P. W. Paper Company, Inc.
Abraham & Straus, by Abraham & Straus, Inc., Brooklyn, N. Y. Canned and bottled fruits and vegetables, tea and coffee, etc. 107,230, Nov. 16, 1915. Republished June 28. Class 46.
Abraham & Straus, Inc.: *See*—
Abraham & Straus.
Abraham & Straus, Inc., Brooklyn, N. Y. Candy. 235,260, Nov. 15, 1937. Republished June 28. Class 46.
Abraham & Straus, Inc., Brooklyn, N. Y. Soap. 273,109, July 22, 1930. Republished June 28. Class 4.
Acqua Lina Mfg. Co.: *See*—
Quartaro, Vincent.
Actors' Equity Association, New York, N. Y., Los Angeles, Calif., Kansas City, Mo., Chicago, Ill., and San Francisco, Calif., to Actors' Equity Association, New York, N. Y., San Francisco and Hollywood, Calif., and Chicago, Ill. Periodical. 258,094, renewed June 25, 1949. O. G. June 28. Class 38.
Adams Bag Company, The, Chagrin Falls, Ohio, to Chase Bag Company, New York, N. Y. Polished paper sacks and bags. 251,217, renewed Jan. 1, 1949. O. G. June 28. Class 2.
Adams Bag Company, The, Chagrin Falls, Ohio, to Chase Bag Company, New York, N. Y. Paper shipping sacks. 252,052, renewed Jan. 22, 1940. O. G. June 28. Class 2.
Addis, Charles M., New York, N. Y. Cleaning material. 402,491, July 27, 1943. Republished June 28. Class 4.
Alabama By-Products Corporation, Birmingham, Ala. Ammonia and benzol. 163,004, Jan. 2, 1923. Republished June 28. Class 6.
Alaska Salmon Company, The: *See*—
Bristol Bay Packing Company.
Allen-Bradley Company, Milwaukee, Wis. Complete and incomplete battery-charging apparatus, electrical control apparatus, electrical instruments, etc. 185,662, June 24, 1924. Republished June 28. Class 21.
Allen-Bradley Company, Milwaukee, Wis. Apparatus for the control of electric energy. 432,065, Aug. 19, 1947. Republished June 28. Class 21.
Allied Chemical & Dye Corporation, New York, N. Y. Hydrocarbons, alcohols, ketones, etc. 511,713, June 28; Serial No. 501,708, published Mar. 22, 1949. Class 6.
Altman, B., & Co., New York, N. Y. Jewelry, silver tableware, silver toilet ware, etc. 203,476, Nov. 5, 1929. Republished June 28. Classes 2, 8, 13, 23, 28, and 40.
American Chewing Products Corp., Newark, N. J. Chewing gum. 511,560, June 28; Serial No. 522,501, published Mar. 8, 1949. Class 46.
American District Steam Company, North Tonawanda, N. Y. Boilers, cooling and heating coils, expansion-valves, radiators, etc. 111,115, July 4, 1916. Republished June 28. Classes 13 and 34.
American Hoist & Derrick Co., St. Paul, Minn. Cane slings. 511,031, June 28; Serial No. 539,927, published Mar. 15, 1949. Class 23.
American Hydraulics, Inc., Sheboygan, Wis. Hydraulic jacks, hydraulic automobile fender straighteners, hand operated bench tool grinders, and vises. 443,004, June 28; Serial No. 493,526. Class 23.
American Lacquer Solvents Co.: *See*—
Stone, Harry E.
American Lacquer Solvents Company: *See*—
Stone, Harry E.
American Oil Works Co., Titusville, to Pennsylvania Refining Company, Butler, Pa. Gasoline, kerosene, and for lubricating purposes: oils, etc. 259,754, renewed Aug. 6, 1940. O. G. June 28. Class 15.
American Stove Company, St. Louis, Mo. Wicks. 511,609, June 28; Serial No. 545,070, published Mar. 1, 1949. Class 34.
American Type Founders Sales Corporation, Elizabeth, N. J. Equipment for use in the graphic arts industry. 511,534, June 28; Serial No. 483,563, published Mar. 15, 1949. Class 23.
Ampco Metal, Inc., Milwaukee, Wis. Electric terminals and contacts; trolley shoes; switches, switch contacts, etc. 442,973, June 28; Serial No. 479,323, published Aug. 0, 1946. Class 21.
Amstom Silver Company, Inc., The: *See*—
Ellmore Silver Co., Inc.
Animal Trap Company of America, Lititz, Pa. Rodent traps. 511,622, June 28; Serial No. 538,485, published Mar. 22, 1949. Class 50.
Ansul Chemical Company: *See*—
Dugas Engineering Corporation.
Ansul Chemical Company, Marinette, Wis. Liquid to be added to refrigerants, such as methyl chloride, etc. 372,931, Nov. 21, 1939. Republished June 28. Class 6.

Ansul Chemical Company, Marinette, Wis. Refrigerants and chemical fumigants. 402,775, Aug. 10, 1943. Republished June 28. Class 6.
Appleton Electric Company, Chicago, Ill. Electrical apparatus. 511,571, June 28; Serial No. 526,663, published Mar. 1, 1949. Class 21.
Aquacycle Company, Inc.: *See*—
Metcalfe, Earl F.
Arena, V., & Sons, Inc., Norristown, Pa. Alimentary pastes. 511,621, June 28; Serial No. 537,650, published Mar. 8, 1949. Class 46.
Armand Company, The, Des Moines, Iowa. Rouge and lip stick. 257,016, renewed May 28, 1949. O. G. June 28. Class 6.
Arons, Adolph, & Sons, by Adolph Arons & Sons, Inc., Jersey City, N. J. Men's suits, overcoats, topcoats, etc. 308,462, Dec. 5, 1933. Republished June 28. Class 39.
Arons, Adolph, & Sons, Inc.: *See*—
Arons, Adolph, & Sons.
Arrow Needle Company, Manchester, N. H. Latch needles. 511,035, June 28; Serial No. 540,241, published Mar. 15, 1949. Class 23.
Arwell, Inc.: *See*—
Arwell Products Co.
Arwell Products Company.
Arwell, Inc., Waukegan, Ill. Cleansing, deodorizing, and fumigating preparations. 361,211, Oct. 11, 1938. Republished June 28. Class 6.
Arwell Products Company, Chicago, by Arwell, Inc., Waukegan, Ill. Household deodorant and moth preventative. 230,245, Feb. 28, 1928. Republished June 28. Class 6.
Arwell Products Co., by Arwell, Inc., Waukegan, Ill. Insecticides, moth fumigant. 281,237, Mar. 10, 1931. Republished June 28. Class 6.
Arwell Products Company, by Arwell, Inc., Waukegan, Ill. Antiseptic. 290,828, Jan. 19, 1932. Republished June 28. Class 6.
Ashenfelter, Dabney, doing business as Bil-Jax Manufacturing Co., Swanton, assignor to Bil-Jax, Inc., Archbold, Ohio. Scaffold horses. 511,545, June 28; Serial No. 507,035, published Mar. 22, 1940. Class 50.
Atlantic Stamping Company, The, Rochester, N. Y. Washtubs and wash boilers. 152,674, Mar. 7, 1922. Republished June 28. Class 24.
Atlantic Stamping Company, The, Rochester, N. Y. Metal (galvanized iron or tin) pails, coal hods, dinner pails, etc. 158,886, Sept. 19, 1922. Republished June 28. Class 2.
Attorney General of the United States: *See*—
Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft.
Mülhens, Paul P.
Austin Packing Co., Inc., Baltimore, Md. Plain peanut butter sandwiches, cheese flavored peanut butter sandwiches, shortbread cookies, etc. 511,632, June 28; Serial No. 540,152, published Mar. 8, 1949. Class 46.
Austin Packing Co., Inc., Baltimore, Md. Plain peanut butter sandwiches and cheese flavored peanut butter sandwiches. 511,633, June 28; Serial No. 540,153, published Mar. 8, 1949. Class 46.
Austin Packing Co., Inc., Baltimore, Md. Plain peanut butter sandwiches, cheese flavored peanut butter sandwiches, shortbread cookies, etc. 511,634, June 28; Serial No. 540,154, published Mar. 8, 1949. Class 46.
Austin Powder Company, Cleveland, Ohio. Blasting powder, pellet powder, dynamite, etc. 308,311, Nov. 28, 1933. Republished June 28. Class 9.
Auto Truck Equipment Company, Pittsburgh, Pa. Equipment for automotive trucks and busses, etc. 511,651, June 28; Serial No. 542,505, published Feb. 8, 1949. Class 19.
Auto Truck Equipment Company, Pittsburgh, Pa. Equipment for automotive trucks and busses, etc. 511,652, June 28; Serial No. 542,508, published Feb. 8, 1949. Class 19.
B & G Food Products, Inc., Jacksonville, Fla. Canned barbecued lima beans. 511,730, June 28; Serial No. 539,930. Class 46.
Badgaire, Inc., Milwaukee, Wis. Filters. 511,661, June 28; Serial No. 544,246, published Mar. 22, 1949. Class 31.
Banco Corporation, Ltd.: *See*—
Bankers Printing Company.
Bankers Printing Company, to Banco Corporation, Ltd., San Francisco, Calif. Blank forms. 260,944, renewed Sept. 3, 1949. O. G. June 28. Class 37.
Barkee-Miller Distributing Company, to Miller-Johns Company, Phoenix, Ariz. Fresh lettuce. 261,044, renewed Sept. 17, 1949. O. G. June 28. Class 46.
Baron, Andrew, Limited, Manchester, England. Articles of clothing. 261,203, renewed Sept. 10, 1949. O. G. June 28. Class 39.
Beatrice Foods Co.: *See*—
La Choy Food Products, Inc.
Beautykote Corporation, Newark, N. J. Synthetic adhesive cement. 442,979, June 28; Serial No. 507,096, published Jan. 4, 1949. Class 5.

Beggs & Cobb, Incorporated, Boston, Mass. Upper leather. 119,638, Dec. 11, 1917. Republished June 28. Class 1.
Beggs & Cobb, Incorporated, Boston, Mass. Upper leather. 511,539, June 28; Serial No. 495,940, published Mar. 22, 1949. Class 1.
Beggs & Cobb, Incorporated, Boston, Mass. Upper leather. 511,540, June 28; Serial No. 515,983, published Mar. 22, 1949. Class 1.
Belknap Hardware & Manufacturing Company, Louisville, Ky. Wire field fencing. 250,520, renewed July 30, 1940. O. G. June 28. Class 13.
Bell & Gossett Company, Morton Grove, Ill. Heat exchangers, indirect water heaters, expansion tanks, etc. 511,535, June 28; Serial No. 493,910, published Mar. 8, 1949. Class 34.
Beltz Corporation, St. Louis, Mo. Sanitary belts and parts thereof. 261,096, renewed Sept. 3, 1949. O. G. June 28. Class 44.
Belvedere Fabrics, Inc., New York, N. Y. Piece goods. 438,929, May 18, 1948. Republished June 28. Class 42.
Benjamin Electric Manufacturing Company, Des Plaines, Ill. Vapor-tight lighting units. 511,564, June 28; Serial No. 523,737, published Mar. 8, 1940. Class 21.
Bentley, Settle & Co. Inc., Syracuse, N. Y. Canned vegetables, fruits, and berries, canned or bozed spices, etc. 442,987, June 28; Serial No. 515,814, published Mar. 9, 1948. Class 46.
Berger, Herman, doing business as Standard Pharmaceutical Co., by Standard Pharmaceutical Co., Inc., New York, N. Y. Sedatives. 400,058, Mar. 7, 1944. Republished June 28. Class 6.
Be Vier Consultants, New York, N. Y. Sun glasses. 511,733, June 28; Serial No. 546,819. Class 28.
Bianchini, Férier, Lyon, France, to Bianchini, Férier, Inc., New York, N. Y. Piece goods. 255,251, renewed Apr. 16, 1949. O. G. June 28. Class 42.
Bianchini, Férier, Inc.: *See*—
Bianchini, Férier.
Bil-Jax, Inc.: *See*—
Ashenfelter, Dabney.
Bil-Jax Manufacturing Co.: *See*—
Ashenfelter, Dabney.
Bissell Carpet Sweeper Company: *See*—
Bissell Carpet Sweeper Co.
Bissell Carpet Sweeper Co., to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. 73,421, re-renewed Apr. 20, 1949. O. G. June 28. Class 28.
Blish, Mize & Silliman Hardware Co., Atchison, Kans. Saws, wood-saw blades, axes, etc. 156,186, June 20, 1922. Republished June 28. Class 23.
Bonat & Bonat, Inc.: *See*—
Bonat, Samuel, & Bros.
Bonat, Samuel, & Bros., to Bonat & Bonat, Inc., New York, N. Y. Preparation for use in permanent hair waving. 254,889, renewed Apr. 2, 1940. O. G. June 28. Class 6.
Borg-Warner Corporation: *See*—
Norge Corporation.
Boyle, John, & Company, Incorporated, New York, N. Y. Bleached, unbleached, dyed, etc., cotton, cotton ducks and drills; awning stripes; etc. 150,746, Jan. 10, 1922. Republished June 28. Class 42.
Boyle, John, & Company, Incorporated, New York, N. Y. Awning stripes and ticking. 189,106, Sept. 9, 1924. Republished June 28. Class 42.
Boyle, John, & Company, Incorporated, New York, N. Y. Awning stripes and ticking. 192,022, Nov. 25, 1924. Republished June 28. Class 42.
Boyle, John, & Company, Incorporated, New York, N. Y. Awning stripes and ticking. 196,923, Mar. 31, 1925. Republished June 28. Class 42.
Boyle, John, & Company, Incorporated, New York, N. Y. Awning stripes and ticking. 220,532, Nov. 9, 1926. Republished June 28. Class 42.
Boyle, John, & Company, Incorporated, New York, N. Y. Cotton duck and filter cloth in the piece. 267,413, Feb. 18, 1930. Republished June 28. Class 42.
Boyle, John, & Company, Incorporated, New York, N. Y. Unbleached, bleached, dyed, and colored cotton ducks and drills, awning stripe and ticking, etc. 299,630, Dec. 13, 1932. Republished June 28. Class 42.
Boyle, John, & Company, Incorporated, New York, N. Y. Unbleached, bleached, dyed, and colored cotton ducks and drills, etc. 319,468, Nov. 27, 1934. Republished June 28. Class 42.
Bradas & Gheens, by Bradas & Gheens, Inc., Louisville, Ky. Chocolates. 145,614, Aug. 16, 1921. Republished June 28. Class 46.
Bradas & Gheens, Inc.: *See*—
Bradas & Gheens.
Bradley-Goodrich Company, Inc., Haverhill, to Bradley-Goodrich, Incorporated, Hingham, Mass. Slippers and shoes. 238,701, renewed Feb. 14, 1948. O. G. June 28. Class 39.
Bradley-Goodrich Company, Inc., Haverhill, to Bradley-Goodrich, Incorporated, Hingham, Mass. Leather boots and leather shoes, etc. 254,961, renewed Apr. 2, 1949. O. G. June 28. Class 39.
Bradley-Goodrich, Incorporated: *See*—
Bradley-Goodrich Company, Inc.

Bragg, Paul C., doing business as Burbank Candlecrafters, Burbank, Calif. Candy. 511,731, June 28; Serial No. 544,250. Class 46.
Brevitt Shoes Limited, Leicester, England. Shoes. 442,997, June 28; Serial No. 522,916, published Feb. 8, 1949. Class 39.
Bright, T. G., & Co. Limited, Stamford, Ontario, Canada. Wine. 311,410, Mar. 20, 1934. Republished June 28. Class 47.
Brill, H. C., Company, Inc., Newark, N. J. Cakes. 261,461, renewed Sept. 17, 1949. O. G. June 28. Class 46.
Bristol Bay Packing Company, also doing business under the name Alaska Salmon Company, Seattle, Wash. Canned fish. 442,981, June 28; Serial No. 508,783, published July 22, 1947. Class 46.
Bristol Bay Packing Company, Seattle, Wash. Canned salmon. 511,598, June 28; Serial No. 533,984, published June 1, 1948. Class 46.
Broemmel, Geo. M.: *See*—
Broemmel, George M.
Broemmel, George M., also known as Geo. M. Broemmel, doing business as Broemmel Pharmaceuticals, San Francisco, Calif. Mosquito immunizing agent, intramuscular injection, etc. 436,111, Jan. 20, 1948. Republished June 28. Class 6.
Broemmel Pharmaceuticals: *See*—
Broemmel, George M.
Brown, John S., & Sons, Limited, Belfast, Northern Ireland. Cotton piece goods. 376,190, Mar. 12, 1940. Republished June 28. Class 42.
Brownsville Citrus Association, Brownsville, Tex. Fresh citrus fruits. 511,548, June 28; Serial No. 514,177, published Mar. 8, 1949. Class 46.
Buena Vista Vineyards: *See*—
Inglenook Vineyard Co.
Bulova Watch Company, Inc., New York, N. Y. Watches. 511,616, June 28; Serial No. 537,138, published Mar. 22, 1949. Class 27.
Bulova Watch Company, Inc., New York, N. Y. Watches. 511,663, June 28; Serial No. 544,539, published Mar. 22, 1949. Class 27.
Bulova Watch Company, Inc., New York, N. Y. Clocks and watches. 511,664, June 28; Serial No. 544,541, published Mar. 22, 1949. Class 27.
Bulova Watch Company, Inc., New York, N. Y. Watches and watchcases. 511,665, June 28; Serial No. 544,543, published Mar. 22, 1949. Class 27.
Burbank Candlecrafters: *See*—
Bragg, Paul C.
Burns, E. Reed, Manufacturing Corporation, Brooklyn, N. Y. Buff wheels. 281,313, renewed Sept. 17, 1949. O. G. June 28. Class 4.
Butler Brothers, Chicago, Ill. Infants' wear. 369,961, Aug. 8, 1939. Republished June 28. Class 39.
Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany, vested in the Attorney General of the United States, Washington, D. C., and renewed to him. Medicinal preparation. 253,993, renewed Mar. 12, 1949. O. G. June 28. Class 6.
Cairo Pickle Company, by W. B. Roddenbery Company, Inc., doing business as Cairo Pickle Company, Cairo, Ga. Pickles, peanut butter, pickle relish, etc. 345,905, May 11, 1937. Republished June 28. Class 46.
California Bleaching Water Co., Inc., San Francisco, by Lady's Choice Foods, Los Angeles, Calif. Washing fluid. 254,269, Mar. 19, 1929. Republished June 28. Class 4.
California Milling Corporation, to California Milling Corporation, Los Angeles, Calif. Wheat flour, whole-wheat flour, graham flour, etc. 255,490, renewed Apr. 28, 1949. O. G. June 28. Class 46.
Callahan, C., Company, The, La Fayette, Ind. Canned foods, tea, spices, etc. 440,726, Sept. 21, 1948. Republished June 28. Class 46.
Calumet and Hecla Consolidated Copper Company, Calumet, Mich. Metal tubing, plain and formed. 401,966, June 22, 1943. Republished June 28. Class 13.
Campbell, Harry T., Sons Company, by Harry T. Campbell Sons' Corporation, Towson, Md. Building stone, asphaltic concrete and so-called hot and cold mix asphaltic concrete, etc. 306,728, Sept. 26, 1933. Republished June 28. Class 12.
Campbell, Harry T., Sons' Corporation: *See*—
Campbell, Harry T., Sons Company.
Campbell, Harry T., Sons' Corporation, Towson, Md. Extremely fine calcium carbonate. 403,516, Sept. 28, 1943. Republished June 28. Class 1.
Campbell, Harry T., Sons' Corporation, Towson, Md. Mined calcium stone. 418,289, Dec. 11, 1945. Republished June 28. Class 1.
Canepa, John B., Company, The, Chicago, Ill. Macaroni, spaghetti, vermicelli, etc. 255,043, renewed Apr. 9, 1949. O. G. June 28. Class 46.
Capem Machinery Corporation, Buffalo, to International Paper Company, New York, N. Y. Bag filling and sealing machinery. 261,624, renewed Sept. 17, 1949. O. G. June 28. Class 23.
Carbide and Carbon Chemicals Corporation, New York, N. Y. Artificial resins. 259,980, renewed Aug. 13, 1949. O. G. June 28. Class 1.
Carlson, C. A., Company, by The Swedish Produce Company, Chicago, Ill. Cheese. 280,892, Mar. 3, 1931. Republished June 28. Class 46.

Carlyle Johnson Machine Company, The, Manchester, Conn. Clutches. 378,284, June 4, 1940. Republished June 28. Class 23.

Carolina Pyrophyllite Company, New York, N. Y. Pyrophyllite. 344,669, Mar. 30, 1937. Republished June 28. Class 1.

Carr Manufacturing Company, San Antonio, Tex. Ladies' and girls' sportswear. 430,647, June 17, 1947. Republished June 28. Class 39.

Carrier Corporation: *See*—
Carrier-Lyle Corporation.

Carrier-Lyle Corporation, New York, to Carrier Corporation, Syracuse, N. Y. Gas, oil, or coal, hot-air furnaces. 261,359, renewed Sept. 17, 1949. O. G. June 28. Class 34.

Carry-Cab Corporation, New York, N. Y. Baby carriages. 511,645, June 28; Serial No. 541,087, published Feb. 8, 1949. Class 19.

Carsolite Corporation, Maywood, Ill. Preparation for use as a germicide, disinfectant and household deodorant. 511,701, June 28; Serial No. 551,163, published Mar. 22, 1949. Class 6.

Centennial Flouring Mills Company: *See*—
Tacoma Grain Company.

Central Alloy Steel Corporation: *See*—
United Alloy Steel Corporation.

Champion Animal Food Co.: *See*—
Champion Animal Food Company.

Champion Animal Food Company, St. Paul, by Champion Animal Food Co., Minneapolis, Minn. Dog-biscuits. 107,878, Jan. 4, 1916. Republished June 28. Class 46.

Chapman & Chapman: *See*—
Chapman, Harry P.

Chapman Drug Co.: *See*—
Chapman, Harry P.

Chapman, Harry P., doing business as Chapman Drug Co., to Chapman & Chapman, Yazoo City, Miss. Germicide and antiseptic solution. 200,109, renewed Aug. 13, 1949. O. G. June 28. Class 6.

Chase Bag Company: *See*—
Adams Bag Company, The.

Chelsea Clock Company, Chelsea, Mass. Clocks. 511,623, June 28; Serial No. 538,494, published Mar. 22, 1949. Class 27.

Chicago Electric Manufacturing Company, Chicago, Ill. Electric ice cream freezers. 511,613, June 28; Serial No. 536,666, published Mar. 15, 1949. Class 31.

Chicago Pharmacal Company, Chicago, Ill. Mouth wash. 357,021, May 24, 1938. Republished June 28. Class 6.

Chicago Pharmacal Company, Chicago, Ill. Sedative. 395,875, June 2, 1942. Republished June 28. Class 6.

Christian Science Publishing Society, The, Boston, Mass. Newspaper column. 408,860, Aug. 29, 1944. Republished June 28. Class 38.

Christian Science Publishing Society, The, Boston, Mass. Monthly publication. 408,882, Aug. 29, 1944. Republished June 28. Class 38.

Christian Science Publishing Society, The, Boston, Mass. Newspaper section. 413,113, Apr. 10, 1945. Republished June 28. Class 38.

Chunk-E-Nut Products Company, Philadelphia, Pa. Salted nuts. 511,672, June 28; Serial No. 545,618, published Mar. 8, 1949. Class 46.

Circo Products Company, Cleveland, Ohio. Degreasers. 439,383, June 22, 1948. Republished June 28. Class 23.

Cleveland Liner & Manufacturing Company, The, Cleveland, Ohio. Paper impregnated or coated with materials. 209,232, Feb. 16, 1926. Republished June 28. Class 37.

Clover Farm Stores Corporation: *See*—
Greene-Babcock Co., The.

Colton Razor Blade Company: *See*—
Cowen, Edward L., Inc.
Roth, Otto, Inc.

Commander-Larabee Milling Company: *See*—
Commander Milling Company.
Larabee Flour Mills Company, The.

Commander Milling Company, to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 259,924–5, renewed Aug. 13, 1949. O. G. June 28 Class 46.

Commercial Solvents Corporation: *See*—
Pennsylvania Sugar Company.

Consolidated Chemical Industries, Inc.: *See*—
Pacific Bone Coal & Fertilizing Co.
Pacific Bone Coal & Fertilizing Company.

Consolidated Chemical Industries, Inc., San Francisco, Calif. Fly repellent. 347,808, July 6, 1937. Republished June 28. Class 6.

Consolidated Rendering Company, Boston, Mass. Animal products. 254,910, Apr. 2, 1929. Republished June 28. Class 10.

Consolidated Rendering Company, Boston, Mass. Tallow and grease for soap purposes. 257,361, June 4, 1929. Republished June 28. Class 4.

Cook Coffee Company, The, Cleveland, Ohio. Coffee. 511,667, June 28; Serial No. 544,853, published Mar. 8, 1949. Class 46.

Cook, Watkins & Patch, Inc., Boston, Mass. Granite monuments. 334,143, Apr. 21, 1936. Republished June 28. Class 50.

Coolerator Company, The, Duluth, Minn. Storage drawers adapted for use in refrigerators. 511,705, June 28; Serial No. 535,343, published Mar. 22, 1949. Class 31.

Corning Distilling Co., Peoria, Ill., by Schenley Distillers Corporation, New York, N. Y. Gin. 234,589, Nov. 1, 1927. Republished June 28. Class 49.

Corning Glass Works, Corning, N. Y. Light shields and cover glasses. 511,585–6, June 28; Serial Nos. 530,469–70, published Mar. 8, 1949. Class 34.

Covert, George, Tracy, Calif. Fresh vegetables. 511,580, June 28; Serial No. 529,760, published Mar. 8, 1949. Class 46.

Cowen, Edward L., Inc., New York, N. Y., to Colton Razor Blade Company, Boston, Mass. Razor blades, razors, shears, etc. 255,541, renewed Apr. 23, 1949. O. G. June 28. Class 23.

Crabtree, J. A., & Co. Limited, Walsall, England. Electrical switch boards, flat switches, flush switches, etc. 156,652, July 11, 1922. Republished June 28. Class 21.

Cracker Jack Co., The: *See*—
Shotwell Mfg. Co.

Crafton Orange Growers Association, Mentone, Calif. Fresh citrus fruits. 511,668, June 28; Serial No. 544,980, published Mar. 8, 1949. Class 46.

Cremo Mfg. Co., The, Philadelphia, Pa. Marshmallow cream. 511,612, June 28; Serial No. 536,589, published Mar. 15, 1949. Class 46.

Crescent Company, Inc., The, Pawtucket, R. I. Battery cables. 511,684–5; June 28; Serial Nos. 547,707–8, published Feb. 22, 1949. Class 21.

Crofut & Knapp Co., The, South Norwalk, by Hat Corporation of America, Norwalk, Conn. Hats of felt, straw and cloth for men and women. 176,268, Nov. 20, 1923. Republished June 28. Class 39.

Crown Chocolate Co., McKeesport, Pa. Candy. 251,553, renewed Jan. 8, 1949. O. G. June 28. Class 46.

Cudahy Packing Co., Chicago, Ill. Glue. 442,983, June 28; Serial No. 512,581, published May 11, 1948. Class 5.

Cudahy Packing Company, The, Chicago, Ill. Chlorinated solution. 511,708, June 28; Serial No. 558,354, published Mar. 22, 1949. Class 6.

Culligan Ziolite Company, Northbrook, Ill. Water softening materials. 439,454, June 29, 1948. Republished June 28. Class 31.

Daniel, Jack, Distillery, Lem Motlow, Prop., Inc., Lynchburg, Tenn. Whiskey. 441,002, Oct. 12, 1948. Republished June 28. Class 49.

Delapp, H. Earl, Cherokee, Iowa. Cattle feed and poultry feed. 397,309, Sept. 1, 1942. Republished June 28. Class 46.

Deltafor Aktiebolag, Orebro, Sweden. Vitamin and mineral-containing yeast preparation. 511,619, June 28; Serial No. 537,391, published Mar. 15, 1949. Class 46.

DeMartini, L., Company, The, San Francisco, Calif. Nut meats and unshelled nuts. 511,554, June 28; Serial No. 519,264, published Mar. 15, 1949. Class 46.

Detrex Corporation, Detroit, Mich. Electrically powered boiler feed water and condensate return systems and industrial exhaust systems, etc. 511,678, June 28; Serial No. 546,972, published Mar. 8, 1949. Class 34.

De Witt, E. C., & Co., by E. C. De Witt & Co., Inc., Chicago, Ill. Preparation for alleviating discomforts of excess stomach acidity. 45,473, Aug. 22, 1905. Republished June 28. Class 6.

De Witt, E. C., & Co., Inc.: *See*—
De Witt, E. C., & Co.
Pinenle Medicine Co.

Die Eau de Cologne- & Parfumerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens: *See*—
Mülhens, Peter P.

Diesel Filter Co., El Monte, Calif. Mechanical fluid straining and filtering apparatus. 442,972, June 28; Serial No. 466,608, published Mar. 15, 1949. Class 31.

Dockson Corporation, Detroit, Mich. Acetylene welding, cutting and soldering outfits. 511,674, June 28; Serial No. 546,470, published Mar. 8, 1949. Class 34.

Dockson Corporation, Detroit, Mich. Acetylene welding, cutting and soldering outfits and parts thereof. 511,675, June 28; Serial No. 546,565, published Mar. 8, 1949. Class 34.

Drabkin, Adolphe, doing business as Le Vant Brush Co., by Le Vant Brush Co., Los Angeles, Calif. Toothbrushes. 415,185, July 31, 1945. Republished June 28. Class 29.

Dresner, Phil, & Co., Inc., to Elizabeth Hat Company, New York, N. Y. Ladies' and children's hats. 244,543, renewed July 24, 1948. O. G. June 28. Class 39.

Du Beru Company, Inc., Passaic, N. J. Dial numerals and watch hands. 442,988, June 28; Serial No. 517,977, published Mar. 22, 1949. Class 27.

Duff-Norton Manufacturing Company, The, Pittsburgh, Pa. Lifting jacks and attachments for jacks. 260,561, renewed Aug. 27, 1940. O. G. June 28. Class 23.

Dugas Engineering Corporation, by Ansul Chemical Company, Marinette, Wis. Dry extinguishing compound. 395,946, June 16, 1942. Republished June 28. Class 6.

Dugas Engineering Corporation, by Ansul Chemical Company, Marinette, Wis. Dry powdered chemical fire extinguishing compositions. 409,942, Oct. 31, 1944. Republished June 28. Class 6.

Duncan Electric Manufacturing Company, La Fayette, Ind. Watthour meters, demand meters, combined watthour and demand meters, and registers and transformers. 511,691, June 28; Serial No. 549,238, published Mar. 15, 1949. Class 26.

Du Pont, E. I., de Nemours and Company: *See*—
Grasselli Chemical Company, The.
Newport Company, The.

Eadington Fruit Co.: *See*—
Sunny Hills Ranch, Inc.

Eagle-Picher Company, The, Cincinnati, Ohio. Exhaust ventilating fans. 511,717, June 28; Serial No. 568,047, published Mar. 22, 1949. Class 34.

Eastman Oil Well Survey Company, Denver, Colo. Oil well surveying instruments, orienting instruments. 511,546, June 28; Serial No. 507,675, published Mar. 15, 1949. Class 26.

Eau de Cologne- & Parfumerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens: *See*—
Mülhens, Paul P.

Edison Laboratories: *See*—
Edison, Sylvan M.

Edison Laboratories, The: *See*—
Edison, Sylvan M.

Edison, Sylvan M., doing business as The Edison Laboratories, Chicago, Ill., by Miles Laboratories, Inc., Elkhart, Ind. Dental plate cleanser. 217,453, Aug. 31, 1926. Republished June 28. Class 4.

Edison, Sylvan M., doing business as Edison Laboratories, Chicago, Ill., by Miles Laboratories, Inc., Elkhart, Ind. Denture brush. 233,620, Oct. 4, 1927. Republished June 28. Class 29.

Edwards, Dwight, Company: *See*—
Safeway Stores, Incorporated.

Elizabeth Hat Company: *See*—
Dresner, Phil, & Co., Inc.

Ellmore Silver Co., Inc., The, Meriden, Conn. Sterling silver flatware. 511,563, June 28; Serial No. 523,658, published Mar. 22, 1949. Class 28.

Ellmore Silver Co., Inc., The, Meriden, Conn. Sterling silver flatware. 511,566, June 28; Serial No. 524,123, published Mar. 22, 1949. Class 28.

Ellmore Silver Co., Inc., The, Meriden, assignor to Amston Silver Company, Inc., Amston, Conn. Sterling silver flatware. 511,567, June 28; Serial No. 524,389, published Mar. 22, 1949. Class 28.

Embalmers' Supply Company Inc., The, Westport, Conn. Embalming fluid. 262,011, renewed Sept. 24, 1949. O. G. June 28. Class 6.

Englander Company, Inc., The: *See*—
Englander Spring Bed Co.

Englander Spring Bed Co., Brooklyn, N. Y., by The Englander Company, Inc., Chicago, Ill. Mattresses, box springs and coil springs. 301,220, Feb. 21, 1933. Republished June 28. Class 32.

Evans-Burtnett Company, by Harrisburg Grocery Company, Harrisburg, Pa. Canned vegetables. 238,178, Jan. 31, 1928. Republished June 28. Class 46.

Evinrude Motor Company, Milwaukee, Wis., to Outboard, Marine and Manufacturing Company, Waukegan, Ill. Motors for rowboats, canoes, and the like; oil engines, centrifugal and high pressure reciprocating pumps, etc. 254,253, renewed Mar. 12, 1949. O. G. June 28. Class 23.

Exeter Orchards Association, Exeter, Calif. Fresh citrus fruits. 402,870, Aug. 17, 1943. Republished June 28. Class 46.

Exeter Orchards Association, Exeter, Calif. Fresh citrus fruits. 403,408, Sept. 28, 1943. Republished June 28. Class 46.

Exeter Orchards Association, Exeter, Calif. Fresh citrus fruits. 418,005, Nov. 27, 1945. Republished June 28. Class 46.

Facho, Limitada, Portimao, Portugal. Canned fish. 250,025, renewed May 7, 1949. O. G. June 28. Class 46.

Fan & Blower Corp., Brooklyn, N. Y. Forced draft wall and ceiling ventilators, etc. 443,002, June 28; Serial No. 526,211, published Mar. 22, 1949. Class 34.

Fay, H. W., Laboratories: *See*—
Fay, Howard W.

Fay, Howard W., doing business as H. W. Fay Laboratories, Palmer, Mass. Rat and mice poison. 511,722, June 28; Serial No. 498,409. Class 6.

Federal Gauge Company, The, by The Mercoid Corporation, Chicago, Ill. Electric controls for electric switches, temperature-operated electric switches, pressive-operated electric switches and parts thereof. 276,768, Oct. 28, 1930. Republished June 28. Class 21.

Fillmore Citrus Association: *See*—
Fillmore Packing Co.

Fillmore Citrus Packing Co.: *See*—
Fillmore Packing Co.

Fillmore Packing Co., doing business as Fillmore Citrus Packing Co., by Fillmore Citrus Association, Fillmore, Calif. Fresh citrus fruits. 218,073, Sept. 21, 1926. Republished June 28. Class 46.

Firmenich & Co., Geneva, Switzerland. Chemical products. 511,695, June 28; Serial No. 560,798, published Mar. 22, 1949. Class 6.

Florists' Publishing Company, Chicago, Ill. Weekly publications. 361,851, Nov. 1, 1938. Republished June 28. Class 38.

Fluid Heat Division, Anchor Post Products, Inc., Baltimore, Md. Oil burners. 511,610, June 28; Serial No. 535,839, published Mar. 8, 1949. Class 34.

Food Machinery and Chemical Corporation: *See*—
Food Machinery Corporation.

Food Machinery Corporation, now by change of name Food Machinery and Chemical Corporation, San Jose, Calif. Fungicides. 511,712, June 28; Serial No. 561,004, published Mar. 22, 1949. Class 6.

Ford Motor Company, Dearborn, Mich. Passenger and commercial automobiles. 365,585, Mar. 14, 1939. Republished June 28. Class 19.

Ford Motor Company, Dearborn, Mich. Motors cars. 511,662, June 28; Serial No. 544,440, published Mar. 8, 1949. Class 19.

Ford Motor Company, Dearborn, Mich. Oil filters, oil filter cartridges, oil bath air cleaners, etc. 511,718, June 28; Serial No. 560,143, published Mar. 22, 1949. Class 31.

Forstmann & Huffmann Company, by Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 153,446, Mar. 21, 1922. Republished June 28. Class 42.

Forstmann & Huffmann Company, by Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 178,058, Jan. 8, 1924. Republished June 28. Class 42.

Forstmann & Huffmann Company, by Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 201,497, July 28, 1925. Republished June 28. Class 42.

Forstmann & Huffmann Company, by Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 270,536, May 6, 1930. Republished June 28. Class 42.

Forstmann & Huffmann Company, by Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 276,062, Oct. 7, 1930. Republished June 28. Class 42.

Forstmann Woolen Company: *See*—
Forstmann & Huffmann Company.

Forstmann Woolen Company, Passaic, N. J. Woolen piece goods. 393,797, Mar. 3, 1942. Republished June 28. Class 42.

Fougera, E., & Co., Inc., New York, N. Y. Preparation to be used in the treatment of hypertension. 511,716, June 28; Serial No. 563,405, published Mar. 22, 1949. Class 6.

Fox Alignment Service: *See*—
Fox, Brenner B.

Fox, Brenner B., doing business as Fox Alignment Service, San Antonio, Tex. Shock absorber mounts and coil spring spacers. 511,703, June 28; Serial No. 551,789, published Mar. 22, 1949. Class 19.

Fox River Paper Company, by Fox River Paper Corporation, Appleton, Wis. Bond-paper, bank-note paper, document-paper, etc. 117,849, Aug. 7, 1917. Republished June 28. Class 37.

Fox River Paper Co., by Fox River Paper Corporation, Appleton, Wis. Writing paper. 120,091–2, Jan. 8, 1918. Republished June 28. Class 37.

Fox River Paper Corporation: *See*—
Fox River Paper Co.
Fox River Paper Company.

Frank Pure Food Co., The, Milwaukee, Wis., by B. Heller & Company, Chicago, Ill. Gelatin preparation. 94,365, Dec. 2, 1913. Republished June 28. Class 46.

Fuller Company: *See*—
Guarantee Construction Company.

Furniture Stylists Inc., Chicago, Ill., by Sterling, Inc., New York, N. Y. Trays. 296,722, Aug. 16, 1932. Republished June 28. Class 2.

Gabe Manufacturing Corporation, New York, N. Y. Household and factory shears and scissors. 511,627, June 28; Serial No. 539,406, published Mar. 15, 1949. Class 23.

Gallon Metallic Vault Company, The, to Hercules Steel Products Corporation, Galion, Ohio. Grave vaults. 255,100, renewed Apr. 16, 1940. O. G. June 28. Class 2.

Gantner & Mattern Company, San Francisco, Calif. Fluorescent fabrics. 440,230, Aug. 17, 1948. Republished June 28. Class 42.

General Electric Company, Schenectady, N. Y. Electrical conductors. 259,148, renewed July 23, 1949. O. G. June 28. Class 21.

General Electric Company, Schenectady, N. Y. Quarts crystal electric oscillators. 403,020, Aug. 31, 1943. Republished June 28. Class 21.

General Motors Corporation, Detroit, Mich. Automobile bodies. 511,601, June 28; Serial No. 535,026, published Mar. 22, 1949. Class 19.

General Motors Corporation, Detroit, Mich. Automobiles and structural parts thereof. 511,603, June 28; Serial No. 535,143, published Mar. 22, 1949. Class 19.

General Motors Corporation, Detroit, Mich. Automobiles and structural parts thereof. 511,688, June 28; Serial No. 548,062, published Mar. 22, 1949. Class 19.

Gerson-Stewart Corporation, The, Cleveland, Ohio. Floor, woodwork, and furniture polishes. 295,062, June 14, 1932. Republished June 28. Class 10.

Gibson, A. C., Co. Inc., Buffalo, N. Y. Marking devices and accessories therefor. 511,625, June 28; Serial No. 539,044, published Mar. 15, 1949. Class 23.

Gimbel Brothers, Inc., New York, N. Y. Girls' dresses, blouses, skirts, etc. 511,614, June 28; Serial No. 536,685, published Mar. 8, 1949. Class 39.

Glaenzer, Bertrand R., Paris, France. Agricultural machines and parts thereof. 511,537, June 28; Serial No. 495,230, published Mar. 15, 1949. Class 23.

Glaser, Fred, doing business as Glaser's Provisions, by Glaser's Provisions Co., Inc., Omaha, Nebr. Meats. 364,527, Feb. 7, 1939. Republished June 28. Class 46.

Glaser's Provisions: *See*—
Glaser, Fred.

Glaser's Provisions Co., Inc.: *See*—
Glaser, Fred.

Harris, D. P., Hardware & Manufacturing Co., Inc., New

Holzapfels Limited, Newcastle-Upon-Tyne, England, by International Paint Company, Inc., New York, N. Y.

Kennedy Car Liner & Bag Co., Inc., Shelbyville, Ind. Plastic baby pants, and plastic baby bibs. 511,700, June 28; Serial No. 551,108, published Mar. 1, 1949.

Glastonbury, Inc., Chicago, Ill. Hollow ware and flatware. 511,604, June 28; Serial No. 535,146, published Mar. 22, 1949. Class 28.

Glidden Company, The, Cleveland, Ohio. Metal resinates, 511,676, June 28; Serial No. 546,696, published Mar. 22, 1949. Class 1.

Globe Novelty House, by Globe Novelty House, Inc., New York, N. Y. Men's garters, suspenders, and belts. 390,395, Sept. 23, 1941. Republished June 28. Class 39.

Globe Novelty House, Inc.: *See*—
Globe Novelty House.

Godman, H. C., Company, The, Columbus, Ohio. Boots and shoes. 438,389, Apr. 20, 1948. Republished June 28. Class 39.

Goldenberg, D., Inc., Philadelphia, Pa. Candy. 412,359, Mar. 6, 1945. Republished June 28. Class 46.

Goldman, Frederick, New York, N. Y. Finger rings. 511, 594, June 28; Serial No. 550,039, published Mar. 22, 1949. Class 28.

Gordon Baking Company, Detroit, Mich. Cakes. 256,692, renewed May 21, 1949. O. G. June 28. Class 46.

Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Smoked bloaters, smoked herring, salt codfish, etc. 433,670, Oct. 28, 1947. Republished June 28. Class 46.

Gotham Hosiery Company, Inc.: *See*—
Gotham Silk Mfg. Co.

Gotham Silk Mfg. Co., by Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 91,950, June 10, 1913. Republished June 28. Class 39.

Granat Bros., Inc., San Francisco, Calif. Finger rings. 511,656, June 28; Serial No. 542,917, published Mar. 22, 1949. Class 28.

Granat Bros., Inc., San Francisco, Calif. Finger rings. 511,657, June 28; Serial No. 542,920, published Mar. 22, 1949. Class 28.

Grasselli Chemical Company, The, Cleveland, Ohio, by E. I. du Pont de Nemours and Company, Wilmington, Del. Tinning fluxes. 247,209, Sept. 25, 1928. Republished June 28. Class 6.

Great Lakes Varnish Works, Inc., Chicago, Ill. Plastic paint. 262,661, Oct. 22, 1929. Republished June 28. Class 16.

Greene-Babcock Co., The, assignor to The Grocers-Producers Company, by Clover Farm Stores Corporation, Cleveland, Ohio. Butter, oleomargarine, eggs, etc. 248,203, Oct. 16, 1928. Republished June 28. Class 46.

Greenspoon Clothing Co., Inc., now by change of name The Greenspoon Company, by The Greenspoon Company, St. Louis, Mo. Women's coats and sport coats. 439,738, July 20, 1948. Republished June 28. Class 39.

Greenspoon Company, The: *See*—
Greenspoon Clothing Co., Inc.

Griess-Pfleger Tanning Co., The, Waukegan, Ill. Leather. 511,620, June 28; Serial No. 537,451, published Mar. 22, 1949. Class 1.

Griffin Tank & Welding Service, Dallas, Tex. Fuel tanks. 511,608, June 28; Serial No. 535,522, published Mar. 22, 1949. Class 19.

Grocers-Producers Company, The: *See*—
Greene-Babcock Co., The.

Guarantee Construction Company, New York, N. Y., by Fuller Company, Catasauqua, Pa. Conveyers for conveying and handling materials. 137,790, Dec. 7, 1920. Republished June 28. Class 23.

Guenther, C. H., & Son, Inc., doing business as Pioneer Flour Mills, San Antonio, Tex. Wheat flour. 511,626, June 28; Serial No. 539,318, published Feb. 22, 1949. Class 46.

Guittard Chocolate Co., San Francisco, Calif. Chocolate and cocoa and chocolate coating. 250,673, Dec. 11, 1928. Republished June 28. Class 46.

Gustin-Bacon Manufacturing Company, Kansas City, Mo. Oil well pump plungers. 431,227, July 15, 1947. Republished June 28. Class 23.

Gustin-Bacon Manufacturing Company, Kansas City, Mo. Upholstery padding material and mattress filling. 438,737, May 11, 1948. Republished June 28. Class 32.

Hackney Bros. Body Co., Wilson, N. C. Buses, vans, dairy vehicle bodies for automotive trucks. 511,693, June 28; Serial No. 549,925, published Mar. 22, 1949. Class 19.

Hamel, Donat H., Redlands, Calif. Cleaning solution for use in cleaning watches and jewelry. 511,728, June 28; Serial No. 539,156. Class 4.

Hammermill Paper Company, Erie, Pa., by F. W. Woolworth Co., New York, N. Y. Bond, writing, ledger, and tablet paper. 325,648, July 2, 1935. Republished June 28. Class 37.

Hanes Hosiery Mills Company, Inc., Winston-Salem, N. C., by Northmont Hosiery Corporation, Reading, Pa. Hosiery. 360,382, Apr. 11, 1939. Republished June 28. Class 39.

Hansen, A. L., Mfg. Co., Chicago, Ill. Hand-operated stapling machines. 511,630, June 28; Serial No. 539,872, published Mar. 15, 1949. Class 23.

Harrington & Waring, to Hollywood Hose, Inc., New York, N. Y. Silk underwear, knitted or textile fabrics, and hosiery for men, women, or children. 258,514, renewed July 9, 1949. O. G. June 28. Class 39.

Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles. 442,992, June 28; Serial No. 521,882, published Feb. 8, 1949. Class 19.

Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles. 442,999, June 28; Serial No. 524,981, published Feb. 8, 1949. Class 19.

Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles. 443,000, June 28; Serial No. 524,985, published Feb. 8, 1949. Class 19.

Harrisburg Grocery Company: *See*—
Evans-Burtnett Company.

Harrisburg Grocery Company, by Harrisburg Grocery Company, Harrisburg, Pa. Canned vegetables. 383,954, Dec. 31, 1940. Republished June 28. Class 46.

Harven Products, Inc., Boston, Mass. Acne cream. 511,706, June 28; Serial No. 556,578, published Mar. 22, 1949. Class 6.

Harvey, Fred, Chicago, Ill. Razor blades. 511,611, June 28; Serial No. 536,382, published Mar. 15, 1949. Class 23.

Harwill, Inc., St. Charles, Mich. Power boats and row boats. 442,996, June 28; Serial No. 522,807, published Feb. 8, 1949. Class 19.

Hat Corporation of America: *See*—
Crofut & Knapp Co., The.
Knox Hat Company, Inc.

Hauptmann, Peter: *See*—
Nicholson, David.

Hawie Manufacturing Co., The, Bridgeport, Conn. Hose supporters. 330,391, Dec. 3, 1935. Republished June 28. Class 39.

Hayward, Walter E., Co., Inc., Attleboro, Mass. Jewelry. 511,599, June 28; Serial No. 534,439, published Mar. 22, 1949. Class 28.

Healthguard Knitwear Limited, Leicester, England. Sweaters and hosiery. 442,975, June 28; Serial No. 498,064, published Mar. 1, 1949. Class 39.

Hearst Corporation, The: *See*—
King Features Syndicate, Inc.

Hecht Company, The, Washington, D. C. Clothing, neckwear. 511,606, June 28; Serial No. 535,237, published Mar. 8, 1949. Class 39.

Heiman, H., Company: *See*—
Heiman, Henry.

Heiman, Henry, doing business as H. Heiman Company, New York, N. Y. Food flavoring extracts and food flavors, etc. 442,985, June 28; Serial No. 516,177, published Mar. 15, 1949. Class 46.

Heller, B., & Company: *See*—
Frank Pure Food Co., The.
Heller, B., & Co.

Heller, B., & Company, by B. Heller & Company, Chicago, Ill. Powder for use in making ice cream and ices. 82,602, July 11, 1911. Republished June 28. Class 46.

Heller, B., & Co., by B. Heller & Company, Chicago, Ill. Laundry bluing and laundry colors. 96,148, July 7, 1914. Republished June 28. Class 6.

Heller, B., & Co., by B. Heller & Company, Chicago, Ill. Inks for writing, printing, and stamping, and thinners therefor. 98,773, Aug. 14, 1914. Republished June 28. Class 11.

Heller, B., & Company, Chicago, Ill. Flavoring compound. 220,331, Nov. 9, 1926. Republished June 28. Class 46.

Henske, Edward A., doing business as Kin-Septic Company, by York Pharmacal Company, St. Louis, Mo. Skin antiseptic. 271,248, May 27, 1930. Republished June 28. Class 6.

Henson, Jno. W., & Sons, Greenville, Tex. Ladies' and misses' housecoats, playsuits, and handkerchiefs. 439,098, June 1, 1948. Republished June 28. Class 39.

Hercules Steel Products Corporation: *See*—
Gallon Metallic Vault Company, The.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Watch chains. 511,681, June 28; Serial No. 547,645, published Mar. 22, 1949. Class 28.

Hickok Oil Corporation: *See*—
Hickok Producing Co., The.

Hickok Oil Corporation, The, assignee: *See*—
Hickok Producing Co., The.

Hickok Producing Co., The, assignor to The Hickok Oil Corporation, to Hickok Oil Corporation, Toledo, Ohio. Gasoline. 256,329, renewed May 14, 1949. O. G. June 28. Class 15.

Hoffmann-La Roche Chemical Works, The, New York, N. Y., assignor to Hoffmann-La Roche Inc., to Hoffmann-La Roche Inc., Nutley, N. J. Cardiotonic. 261,282, renewed Sept. 17, 1949. O. G. June 28. Class 6.

Hoffmann-La Roche Chemical Works, The, New York, N. Y., assignor to Hoffmann-La Roche Inc., to Hoffmann-La Roche Inc., Nutley, N. J. Organic arsenic compound. 261,283, renewed Sept. 17, 1949. O. G. June 28. Class 6.

Hoffmann-La Roche Chemical Works, The, New York, N. Y., assignor to Hoffmann-La Roche Inc., to Hoffmann-La Roche Inc., Nutley, N. J. Sedative and hypnotic. 261,586, renewed Sept. 17, 1949. O. G. June 28. Class 6.

Hoffmann-La Roche, F., & Co., Basel, Switzerland, to Hoffmann-La Roche Inc., Nutley, N. J. Opium alkaloids and their salts, caffein, theobromin, etc. 75,372, re-renewed Sept. 28, 1949. O. G. June 28. Class 6.
Hoffmann-La Roche, F., Co.
Hoffmann-La Roche Chemical Works, The.
Hoffmann-La Roche, F., Co.

Hollywood Hose, Inc.: *See*—
Harrington & Waring.

Holtite Manufacturing Company, The, Baltimore, Md. Rubber heels and soles. 258,870, renewed July 2, 1949. O. G. June 28. Class 39.

Holzapfels Limited, Newcastle-Upon-Tyne, England, by International Paint Company, Inc., New York, N. Y. Anti-corrosive and anti-fouling paint, mixed paint, and enamel paints. 85,442, Feb. 20, 1912. Republished June 28. Class 16.

Honey Sweet Company, The: *See*—
Roddenbery, W. B., Co.

Hubbard and Company, Pittsburgh, Pa. Pole line hardware. 394,874, May 5, 1942. Republished June 28. Class 13.

Hubbard Milling Company, Mankato, Minn. Wheat flour. 261,703, renewed Sept. 24, 1949. O. G. June 28. Class 46.

Hudson Motor Car Company, Detroit, Mich. Automobiles. 511,679, June 28; Serial No. 547,123, published Mar. 22, 1949. Class 19.

Huffman Manufacturing Company, The, Dayton, Ohio. Bicycles and structural parts thereof. 511,553, June 28; Serial No. 518,145, published Mar. 22, 1949. Class 19.

Humber Limited, Coventry, Warwickshire, England. Automobiles. 511,551–2, June 28; Serial Nos. 516,844–5, published Mar. 22, 1949. Class 19.

Huyck, F. C. & Sons, Rensselaer and Albany, to F. C. Huyck & Sons, Rensselaer, N. Y. Bed blankets, slumber throws, afghans, etc. 255,814, renewed Apr. 30, 1949. O. G. June 28. Class 42.

Huyck, F. C. & Sons, Rensselaer and Albany, to F. C. Huyck & Sons, Rensselaer, N. Y. Bath robes, sleeping bags; children's coats, etc. 256,433, renewed May 14, 1949. O. G. June 28. Class 39.

Huyck, F. C. & Sons, Rensselaer and Albany, to F. C. Huyck & Sons, Rensselaer, N. Y. Bed blankets, slumber throws, afghans, etc. 257,049, renewed May 28, 1940. O. G. June 28. Class 42.

Idol Associated Mills Incorporated, by Idol Inc., New York, N. Y. Brassieres, corsets, girdles, etc. 367,201, May 9, 1939. Republished June 28. Class 39.

Idol Inc.: *See*—
Idol Associated Mills Incorporated.

Indianapolis Brush & Broom Mfg. Co., Indianapolis, Ind. Brooms. 163,091, Jan. 2, 1923. Republished June 28. Class 29.

Industrial Service: *See*—
North, Charles W.

Industrial Tape Corporation, New Brunswick, N. J. Heat sealing tape. 511,583, June 28; Serial No. 530,313, published Jan. 11, 1949. Class 5.

Inglenook Vineyard Co., Sonoma and Rutherford, assignor to Buena Vista Vineyards, by Buena Vista Vineyards, Sonoma, Calif. Wines. 433,474–5, Oct. 14, 1947. Republished June 28. Class 47.

Inglenook Vineyard Co., Rutherford, assignor to Buena Vista Vineyards, by Buena Vista Vineyards, Sonoma, Calif. Wines. 438,515, Apr. 27, 1948. Republished June 28. Class 47.

Institute of Gas Heating Industries, Los Angeles, Calif. Gas heating equipment or apparatus. 511,719, June 28; Serial No. 547,092, published Nov. 30, 1948. Class 34.

Interior Flour Mills Company, The: *See*—
Larabee Flour Mills Company, The.

Interlake Iron Corporation, Cleveland, Ohio. Pig iron, in the form of pigs. 347,216, June 22, 1937. Republished June 28. Class 14.

International Detrola Corporation: *See*—
Newport Rolling Mill Company, The.

International Paint Company, Inc.: *See*—
Holzapfels Limited.

International Paper Company: *See*—
Capem Machinery Corporation.

International Paper Company, to International Paper Company, New York, N. Y. Newsprint paper, book paper, bond paper, etc. 257,198, renewed June 4, 1940. O. G. June 28. Class 37.

Ireland Bros., Johnstown, N. Y. Gloves. 316,873, Sept. 4, 1934. Republished June 28. Class 39.

Jadow, B., Inc., New York, N. Y. Watch movements, and for watch parts. 511,590, June 28; Serial No. 531,915, published Mar. 22, 1949. Class 27.

Jenkins, Alfred B., New York, N. Y., Boston, Mass., and Chicago, Ill., to Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Valves and steampacking. 32,911, re-renewed May 16, 1949. O. G. June 28. Class 13.

Jenkins Bros.: *See*—
Jenkins, Alfred B.

Johnson & Johnson: *See*—
Professional Products Corporation.

Johnson & Johnson, New Brunswick, by Ortho Pharmaceutical Corporation, Raritan, N. J. Antiseptic preparation. 298,222, Oct. 18, 1932. Republished June 28. Class 6.

Jordan Manufacturing Corp., New York, N. Y. Bathing suits. 435,285, Dec. 16, 1947. Republished June 28. Class 39.

Julian & Trower Limited, London, England. Whisky. 440,089, Aug. 10, 1948. Republished June 28. Class 49.

Kalybaba, Gust, Kirkland, Wash. Marine boats. 442,974, June 28; Serial No. 486,306, published Feb. 8, 1949. Class 19.

Kansas City Textile Products Co., Kansas City, Mo. Women's and children's dresses. 511,720, June 28; Serial No. 496,388. Class 39.

Kelly, J. A. & M. B., Co., St. Louis, Mo. Women's and misses' dresses. 511,723, June 28; Serial No. 511,620. Class 39.

Kennedy Car Liner & Bag Co., Inc., Shelbyville, Ind. Plastic baby pants, and plastic baby bibs. 511,700, June 28; Serial No. 551,108, published Mar. 1, 1949. Class 39.

Kerco Jewellery Limited, Montreal, Quebec, Canada. Watches, watch movements, watch cases, and clocks. 511,686, June 28; Serial No. 547,735, published Mar. 22, 1949. Class 27.

King Features Syndicate, Inc., by The Hearst Corporation, New York, N. Y. Publication. 274,001, Aug. 19, 1930. Republished June 28. Class 38.

Kin-Septic Company: *See*—
Henske, Edward A.

Kirk, C. D., & Company: *See*—
Lovett & Kirk, Inc.

Kit Manufacturing Company, Long Beach, Calif. House trailers. 511,682–3, June 28; Serial Nos. 547,559–60, published Mar. 22, 1949. Class 19.

Kling-Tite Paint Products Co., Chicago, Ill. Paint in liquid and paste form. 511,729, June 28; Serial No. 539,717. Class 16.

Knox Hat Company, Inc., New York, N. Y., by Hat Corporation of America, Norwalk, Conn. Canes, parasols, and umbrellas. 258,520, June 9, 1929. Republished June 28. Class 41.

Kremba & Company: *See*—
Krembs, Ottmar M.

Kremba, Ottmar M., doing business as Kremba & Company, Chicago, Ill. Brazing flux. 254,799, renewed Apr. 2, 1940. O. G. June 28. Class 6.

Kromwell Manufacturing Co., Brooklyn, N. Y. Protective, ornamental metal side walls surrounding the hubs of vehicular wheels. 511,660, June 28; Serial No. 544,171, published Mar. 1, 1949. Class 19.

La Choy Food Products, Inc., Detroit, Mich., to Beatrice Foods Co., Chicago, Ill. Canned food product. 260,241, renewed Aug. 20, 1949. O. G. June 28. Class 46.

Lady's Choice Foods: *See*—
California Bleaching Water Co., Inc.

Lanman & Kemp-Barclay & Co., Incorporated: *See*—
Lanman & Kemp, Inc.

Lanman & Kemp, Inc., to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Liquid tonic for preserving and beautifying the hair. 261,617, renewed Sept. 17, 1949. O. G. June 28. Class 6.

Larabee Flour Mills Company, The, doing business as The Interior Flour Mills Company, Kansas City, Mo., to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 257,829, renewed June 18, 1949. O. G. June 28. Class 46.

Larabee Flour Mills Company, The, Kansas City, Mo., to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 258,281–2, renewed July 2, 1949. O. G. June 28. Class 46.

Larabee Flour Mills Company, The, Kansas City, Mo., to Commander-Larabee Milling Company, Minneapolis, Minn. Wheat flour. 260,743, renewed Aug. 27, 1949. O. G. June 28. Class 46.

Lawrence, W. W., & Company, Pittsburgh, Pa. Paints; varnishes; paint enamels, etc. 511,624, June 28; Serial No. 538,768, published Mar. 15, 1949. Class 16.

Lawyers Co-Operative Publishing Co., The, Rochester, N. Y. Series of New York law digests and quarterly supplements. 245,807, Aug. 21, 1928. Republished June 28. Class 38.

Lee Rubber and Tire Corporation, Conshohocken, Pa. Rubber sponges. 511,617, June 28; Serial No. 537,201, published Mar. 22, 1949. Class 1.

Lelchter, Emil, New York, N. Y. Watches. 511,658, June 28; Serial No. 542,956, published Mar. 22, 1949. Class 27.

Leichtman Ice Cream Co., The, Hazleton, Pa. Ice cream. 511,670, June 28; Serial No. 540,134, published Mar. 8, 1949. Class 46.

Leo's Stores, Inc.: *See*—
Wise, Leo.

Le Vant Brush Co.: *See*—
Drabkin, Adolphe.

Lewis-Shepard Products, Inc., Watertown, Mass. Materials-handling equipment, accessories thereto, and parts therefor. 439,737, July 20, 1948. Republished June 28. Class 23.

Liebmann Breweries, Inc., Brooklyn, N. Y. Malt beverages. 317,362, Sept. 25, 1934. Republished June 28. Class 48.

Liebmann Breweries, Inc., Brooklyn, N. Y. Beer. 325,064, June 11, 1935. Republished June 28. Class 48.

Liebmann Breweries, Inc., Brooklyn, N. Y. Malt beverages. 381,444, Sept. 24, 1940. Republished June 28. Class 48.

Liebmann Breweries, Inc., Brooklyn, N. Y. Ale. 400,666, Mar. 23, 1943. Republished June 28. Class 48.

Link-Belt Company, Chicago, Ill. Composite transmission and conveyer chains. 222,800, Jan. 11, 1927. Republished June 28. Class 13.

Link-Belt Company, Chicago, Ill. Heat-treated ferrous metals. 248,922, Nov. 6, 1928. Republished June 28. Class 14.

Link-Belt Company, Chicago, Ill. Sewage and water screens, parts and accessories, etc. 266,793, Sept. 1, 1931. Republished June 28. Class 23.

Link-Belt Company, Chicago, Ill. Power chains and chain links. 319,363, Nov. 20, 1934. Republished June 28. Class 13.

Lippitt Worsted Mills, Inc., Woonsocket, R. I. Piece goods. 440,637, Sept. 14, 1948. Republished June 28. Class 42.

Lith-I-Bar Company, Holland, Mich. Prefabricated lightweight reinforced concrete structural framing members. 411,193, Jan. 9, 1945. Republished June 28. Class 12.

Lord Jeff Knitting Company, Inc., Brooklyn, N. Y. Sweaters, mufflers, wristlets, etc. 403,473–4, Sept. 28, 1943. Republished June 28. Class 39.

Lord Jeff Knitting Company, Inc., Brooklyn, N. Y. Sweaters, mufflers, and cotton basque shirts. 409,004, Sept. 12, 1944. Republished June 28. Class 39.

Lord Jeff Knitting Company, Inc., Brooklyn, N. Y. Sweaters, mufflers, and cotton basque shirts. 427,148, Jan. 28, 1947. Republished June 28. Class 39.

Lovett & Kirk, Inc., doing business as C. D. Kirk & Company, by C. D. Kirk & Company, San Benito, Tex. Fresh citrus fruits. 330,173–4, Sept. 29, 1936. Republished June 28. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 511,607, June 28; Serial No. 535,334, published Mar. 15, 1949. Class 46.

Lowe Seed Company, Aroma Park, Ill. Hybrid seed corn. 511,550, June 28; Serial No. 516,518, published Mar. 22, 1949. Class 1.

Lucas Ranching Company, Cucamonga, Calif. Fresh deciduous fruits, fresh citrus fruits, fresh grapes. 260,139, renewed Aug. 20, 1949. O. G. June 28. Class 46.

Lux Clock Manufacturing Company, The, Waterbury, Conn. Clocks, and parts of clocks. 436,082–3, Jan. 20, 1948. Republished June 28. Class 27.

Lux Clock Manufacturing Company, The, Waterbury, Conn. Clocks. 511,557, June 28; Serial No. 521,198, published Mar. 22, 1949. Class 27.

Lyon, Incorporated, Detroit, Mich. Ornamental trim for automobile wheels. 511,677, June 28; Serial No. 546,715, published Feb. 8, 1940. Class 19.

Maas & Waldstein Company, Newark, N. J. Technical data bulletin. 440,486, Sept. 7, 1948. Republished June 28. Class 38.

Mabex Co., The, Philadelphia, Pa. Moth cakes and crystals, and deodorants. 440,118, Aug. 10, 1948. Republished June 28. Class 6.

MacGregor, May, New York, N. Y. Supporting board adapted for use in exercise of the human body. 439,437, June 29, 1948. Republished June 28. Class 22.

Mack Manufacturing Corporation, New York, N. Y. Motor trucks. 511,711, June 28; Serial No. 561,363, published Mar. 22, 1949. Class 19.

MacLachlan Hats Limited, Inc., South Norwalk, Conn. Men's, women's, and boys' fur felt hats. 511,650, June 28; Serial No. 542,147, published Feb. 22, 1949. Class 39.

Magnavox Company, The, Fort Wayne, Ind. Radio receiving sets and radio phonograph combination sets. 511,593, June 28; Serial No. 532,145, published Jan. 18, 1949. Class 21.

Mabi Mfg. Co., Huntington Park, Calif. Floor furnaces. 511,615, June 28; Serial No. 536,938, published Feb. 22, 1949. Class 34.

Mabn, Godfrey S., by Philip Morris & Co. Ltd. Incorporated, New York, N. Y. Smoking tobacco. 71,941, Dec. 22, 1908. Republished June 28. Class 17.

Marks, Louis, North Rose, to L. Marks, Wolcott, N. Y. Fresh celery, fresh carrots, and fresh onions. 251,269, renewed Jan. 1, 1949. G. G. June 28. Class 46.

Master Lock Company, Milwaukee, Wis. Padlocks, hasp locks, and door guards and door bolts. 218,183, Sept. 21, 1926. Republished June 28. Class 25.

Master Lock Company, Milwaukee, Wis. Locks. 230,311, July 19, 1927. Republished June 28. Class 25.

Master Machine & Tool Company, Chicago, Ill. Mold bases for compression and injection molds. 511,595, June 28; Serial No. 532,741, published Mar. 15, 1949. Class 23.

Max Furs, Inc., New York, N. Y. Fur jackets, capes, coats, and stoles. 511,699, June 28; Serial No. 551,017, published Mar. 1, 1949. Class 39.

May Department Stores Company, The, St. Louis, Mo. Hosiery and knitted underwear. 238,820, Feb. 14, 1928. Republished June 28. Class 39.

May Department Stores Company, The, St. Louis, Mo. Sanitary napkins. 239,539, Mar. 6, 1928. Republished June 28. Class 44.

May Way Feed Mills, Inc., by Pay Way Feed Mills, Inc., Kansas City, Mo. Livestock and poultry feeds. 432,577, Sept. 9, 1947. Republished June 28. Class 46.

Maser Bros. Inc., New York, N. Y. Jewelry. 511,578, June 28; Serial No. 529,182, published Mar. 22, 1949. Class 28.

McCord Corporation, Detroit, Mich. Radiators and radiator cores. 511,687, June 28; Serial No. 547,744, published Mar. 22, 1949. Class 19.

McKeen Canning Co., Inc., Burbank, Calif. Canned tomato cocktail sauce. 442,904, June 28; Serial No. 522,473, published Mar. 15, 1949. Class 46.

Means, Perry G., Reno, Nev. Building blocks and supporting forms for concrete. 511,689, June 28; Serial No. 548,753, published Mar. 1, 1949. Class 12.

Melchior, Armstrong, Dessau Co. of Delaware, Inc., Ridgefield, N. J. Condensing units; coil-pan combinations; replacement and repair parts, etc. 511,568, June 28; Serial No. 524,549, published Mar. 22, 1949. Class 31.

Mercoid Corporation, The: *See*—
Federal Gauge Company, The.

Merahon, W. B., Corp., Boston, Mass. Power driven wood sawing machines. 511,671, June 28; Serial No. 545,140, published Mar. 15, 1949. Class 23.

Metal Forms Corporation, Milwaukee, Wis. Concrete forms and shaping devices. 137,334, Nov. 23, 1920. Republished June 28. Class 12.

Metcalfe, Earl F., Morning View, Ky., assignor to Aquacycle Company, Inc., Covington, Ky. Pedal or mechanically operated propelling and steering mechanism for boats. 511,644, June 28; Serial No. 541,062, published Mar. 22, 1949. Class 19.

Miles, Dr., Medical Co., The, by Miles Laboratories, Inc., Elkhart, Ind. Analgesic and sedative. 54,274, June 26, 1906. Republished June 28. Class 6.

Miles, Dr., Medical Company, by Miles Laboratories, Inc., Elkhart, Ind. Laxative medicines. 211,498, Apr. 13, 1926. Republished June 28. Class 6.

Miles Laboratories, Inc.: *See*—
Edison, Sylvan M.
Miles, Dr., Medical Company.
Miles, Dr., Medical Co., The.

Miller-Johns Company: *See*—
Barker-Miller Distributing Company.

Millers Falls Company, Millers Falls, to Millers Falls Company, Greenfield, Mass. Electric portable drills, electric screw drivers, electric portable grinders, etc. 255,562, renewed Apr. 23, 1949. O. G. June 28. Class 21.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature regulating systems. 511,574, June 28; Serial No. 527,804, published Mar. 15, 1949. Class 26.

Modern Engineering and Development Co., Los Angeles, Calif., assignor to Modern Sales Co. Attachment to the neck of a spirits bottle for use in dispensing liquors in a known quantity. 442,976, June 28; Serial No. 499,795, published Mar. 15, 1949. Class 26.

Modern Sales Co.: *See*—
Modern Engineering and Development Co.

Monroe Calculating Machine Company, by Monroe Calculating Machine Company, Orange, N. J. Calculating and adding machines. 129,029, Jan. 20, 1920. Republished June 28. Class 26.

Monsanto Chemical Company, St. Louis, Mo. Complex synthetic resins. 511,581, June 28; Serial No. 530,014, published Mar. 15, 1949. Class 31.

Morris, Philip & Co. Ltd.: *See*—
Mabn, Godfrey S.

Morton Salt Company, Chicago, Ill. Salt. 511,639, June 28; Serial No. 540,699, published Mar. 8, 1949. Class 46.

Motlow, Lem, Prop., Inc.: *See*—
Daniel, Jack, Distillery.

Mülhens, Paul P., doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany, vested in the Attorney General of the United States, Washington, D. C., and renewed to him. Soaps. 248,931, renewed Nov. 6, 1948. G. G. June 28. Class 4.

Mülhens, Paul P., doing business as Die Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany, vested in the Attorney General of the United States, Washington, D. C., and renewed to him. Soaps. 249,739, renewed Nov. 20, 1948. O. G. June 28. Class 4.

Mülhens, Paul P., doing business as Die Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne-on-the-Rhine, Germany, vested in the Attorney General of the United States, Washington, D. C., and renewed to him. Lavender water. 251,442, renewed Jan. 8, 1949. O. G. June 28. Class 6.

Mustang Trailer Company, Dallas, Tex. Trailers, truck trailers, and parts therefor. 442,982, June 28; Serial No. 511,953, published Sept. 2, 1947. Class 19.

Nash-Finch Company, Minneapolis, Minn. Canned fruits, canned vegetables, canned fruit juice, etc. 369,014, July 11, 1939. Republished June 28. Class 46.

National Blank Book Company: *See*—
National Blank Book Co.

National Blank Book Co., by National Blank Book Company, Holyoke, Mass. Loose-leaf structures. 225,171, Mar. 15, 1927. Republished June 28. Class 37.

National Blank Book Co., by National Blank Book Company, Holyoke, Mass. Loose-leaf structures. 225,957, Mar. 29, 1927. Republished June 28. Class 37.

National Blank Book Company, Holyoke, Mass. Blank books, pads, shorthand note books, etc. 317,998, Oct. 9, 1934. Republished June 28. Class 37.

National Cylinder Gas Company, Chicago, Ill. Compressed gases. 511,702, June 28; Serial No. 551,301, published Mar. 22, 1949. Class 6.

National Pressure Cooker Company, Eau Claire, Wis. Outboard motors. 511,541, June 28; Serial No. 502,223, published Mar. 15, 1949. Class 23.

National Sales, Inc., Wichita, Kans. Grease guns or grease dispensers. 511,643, June 28; Serial No. 541,018, published Mar. 15, 1949. Class 23.

National Tea Co., Chicago, Ill. Butter and eggs. 511,668, June 28; Serial No. 544,754, published Mar. 8, 1949. Class 46.

Neil Products Inc., Los Angeles, Calif. Fruit concentrates. 511,556, June 28; Serial No. 519,892, published Mar. 8, 1949. Class 46.

Newark Parafine & Parchment Paper Co., Newark, N. J. Wrapping paper. 436,000, Jan. 20, 1948. Republished June 28. Class 37.

Newport Company, The, Carrollville, Wis., by E. I. du Pont de Nemours and Company, Wilmington, Del. Dyes, dyestuffs, and colors. 252,456, Feb. 5, 1929. Republished June 28. Class 6.

Newport Rolling Mill Company, The, Newport, Ky., by International Detrola Corporation, Detroit, Mich. Building material. 120,619, Feb. 19, 1918. Republished June 28. Class 12.

New York Sun, Inc., The: *See*—
Sun Printing and Publishing Association.

Nicholson, David Grocer Company, by Peter Hauptmann Tobacco Company, St. Louis, Mo. Straight whisky, blended whisky, straight rye whisky, etc. 98,888, Aug. 4, 1914. Republished June 28. Class 49.

Nicholson, David, Grocer Company, by Peter Hauptmann Tobacco Company, St. Louis, Mo. Blended and rye whisky, dry gin and sloe-gin, and rock and rye. 99,351, Aug. 25, 1914. Republished June 28. Class 49.

Nizdorff-Krein Mfg. Co., St. Louis, Mo. Single trees, double trees, neck yokes, etc. 511,547, June 28; Serial No. 509,789, published Mar. 1, 1949. Class 19.

Norge Corporation, Detroit, Mich., by Borg-Warner Corporation, Chicago, Ill. Cooking stoves adapted for use with gas fuel. 516,317, Aug. 21, 1934. Republished June 28. Class 34.

North, Charles W., doing business as Industrial Service, Minneapolis, Minn. Optical benches, optical kits, prism assemblies, etc. 442,989, June 28; Serial No. 518,620, published Mar. 15, 1949. Class 26.

Northern Blower Company, Cleveland, Ohio. Air filters and dust arrestors. 511,591, June 28; Serial No. 531,934, published Mar. 15, 1949. Class 31.

Northmont Hosiery Corporation: *See*—
Hance Hosiery Mills Company, Inc.

Northmont Hosiery Corporation, Reading, Pa. Hosiery. 397,957, Sept. 29, 1942. Republished June 28. Class 39.

Northwestern Corporation, The, Morris, Ill. Coin operated vending machines. 511,653, June 28; Serial No. 542,634, published Mar. 15, 1949. Class 23.

Oakes & Company, Chicago, Ill. Household electric refrigerators; water coolers; electrically-operated oil filters, etc. 511,637, June 28; Serial No. 540,590, published Mar. 22, 1949. Class 31.

Office Specialties Co., by Office Specialties Co. (1937), Los Angeles, Calif. Ink pads, rubber-stamp ink, and numbering machine ink. 222,708, Jan. 4, 1927. Republished June 28. Class 11.

Office Specialties Co. (1937): *See*—
Office Specialties Co.

Ohio Hydrate & Supply Co., The, Woodville, Ohio. Pulverized limestone. 291,123, renewed Sept. 3, 1949. O. G. June 28. Class 10.

Okonite Company, The, Passaic, N. J. Friction tapes and rubber adhesive tapes. 511,584, June 28; Serial No. 530,332, published Mar. 1, 1949. Class 5.

Omaha Flour Mills Co., by Omar Incorporated, Omaha, Nebr. Wheat flour. 123,380, Oct. 29, 1918. Republished June 28. Class 46.

Omaha Flour Mills Co., by Omar Incorporated, Omaha, Nebr. Wheat flour. 129,038–40, Jan. 20, 1920. Republished June 28. Class 46.

Omaha Flour Mills Co., by Omar Incorporated, Omaha, Nebr. Wheat flour. 130,220, Apr. 13, 1920. Republished June 28. Class 46.

Omaha Flour Mills Co., by Omar Incorporated, Omaha, Nebr. Wheat flour. 134,048–9, Aug. 10, 1920. Republished June 28. Class 46.

Omaha Flour Mills Co., by Omar Incorporated, Omaha, Nebr. Wheat flour. 134,423, Aug. 31, 1920. Republished June 28. Class 46.

Omaha Flour Mills Co., by Omar Incorporated, Omaha, Nebr. Wheat flour. 157,730, Aug. 15, 1922. Republished June 28. Class 46.

Omaha Flour Mills Co., by Omar Incorporated, Omaha, Nebr. Wheat flour. 232,907, Sept. 20, 1927. Republished June 28. Class 46.

Omaha Flour Mills Company, by Omar Incorporated, Omaha, Nebr. Poultry feeds and stock feeds. 292,883, Mar. 29, 1932. Republished June 28. Class 46.

Omaha Flour Mills Company, by Omar Incorporated, Omaha, Nebr. Wheat breakfast cereal. 311,433, Mar. 20, 1934. Republished June 28. Class 46.

Omar Incorporated: *See*—
Omaha Flour Mills Co.
Omaha Flour Mills Company.

Omar Incorporated, Omaha, Nebr. Prepared pancake flour. 391,406, Nov. 4, 1941. Republished June 28. Class 46.

Omar Incorporated, Omaha, Nebr. Corn meal, rye flour, and prepared pancake flour. 392,526, Dec. 30, 1941. Republished June 28. Class 46.

Omar Incorporated, Omaha, Nebr. Wheat flour. 394,174, Mar. 24, 1942. Republished June 28. Class 46.

Onarud Machine Works, Inc., Chicago, Ill. Woodworking machinery, nonferrous metal work machinery. 511,648, June 28; Serial No. 541,882, published Mar. 15, 1949. Class 23.

Open Road Publishing Company, The, Boston, Mass. Monthly magazines. 260,821, Aug. 27, 1929. Republished June 28. Class 38.

Ortho Pharmaceutical Corporation: *See*—
Johnson & Johnson.
Squibb, E. R., & Sons.

Ortho Pharmaceutical Corporation, Raritan, N. J. Diaphragm introducers. 429,474, Apr. 29, 1947. Republished June 28. Class 44.

Ortho Pharmaceutical Corporation, Raritan, N. J. Vaginal creams and jellies, antiseptic preparations for feminine hygiene, etc. 433,428, Oct. 14, 1947. Republished June 28. Class 6.

Oskamp Nolting Co., The, Cincinnati, Ohio. Annual publication. 260,929, renewed Sept. 3, 1949. O. G. June 28, 1949. Class 38.

Ostby and Barton Company, Providence, R. I. Jewelry. 511,605, June 28; Serial No. 535,176, published Mar. 22, 1949. Class 28.

Outboard, Marine and Manufacturing Company: *See*—
Evinrude Motor Company.

Ozonair Limited, London, England. Electrical apparatus. 89,945, Jan. 21, 1913. Republished June 28. Class 21.

Pacific Bone Coal & Fertilizing Co., by Consolidated Chemical Industries, Inc., San Francisco, Calif. Fertilizer. 89,494, Dec. 17, 1912. Republished June 28. Class 10.

Pacific Bone Coal & Fertilizing Co., by Consolidated Chemical Industries, Inc., San Francisco, Calif. Glue. 287,061, Sept. 15, 1931. Republished June 28. Class 5.

Pacific Bone Coal & Fertilizing Co., by Consolidated Chemical Industries, Inc., San Francisco, Calif. Steamed bone meal and ground steam bone. 308,542, Dec. 5, 1933. Republished June 28. Class 10.

Pacific Bone Coal & Fertilizing Co., by Consolidated Chemical Industries, Inc., San Francisco, Calif. Animal charcoal. 323,745, Apr. 30, 1935. Republished June 28. Class 1.

Pacquin Inc., New York, N. Y., by Pacquin-Lester Company, Litchfield, Conn. Hand cream, cold cream, cleansing cream, etc. 322,981, Mar. 26, 1935. Republished June 28. Class 6.

Pacquin-Lester Company: *See*—
Pacquin Inc.

Palace Corporation, Flint, Mich. House trailers. 511,628, June 28; Serial No. 539,430, published Feb. 8, 1949. Class 19.

Palmer Company Inc., Waukesha, Wis. Insecticides; fly spray; roach powder; etc. 412,129, Feb. 20, 1945. Republished June 28. Class 6.

Palmer Company, Inc., Waukesha, Wis. Metal polish; liquid, powder and cake soaps; scouring powder; etc. 412,947, Apr. 3, 1945. Republished June 28. Class 4.

Palmer Company, Inc., Waukesha, Wis. Floor brushes; wall brushes, yarn sweepers, etc. 413,949, May 22, 1945. Republished June 28. Class 29.

Panef Manufacturing Co., by Panef Manufacturing Co., Inc., Milwaukee, Wis. Powdered lubricants. 415,056, July 10, 1945. Republished June 28. Class 15.

Panef Manufacturing Co., Inc.: *See*—
Panef Manufacturing Co.

Park Chemical Company, Detroit, Mich. Chromium cleaner, dry cleaning fluids, wall and floor cleaning compound, etc. 433,883, Nov. 4, 1947. Republished June 28. Class 4.

Park Chemical Company, Detroit, Mich. Metal parts cleaning machine. 435,455, Dec. 30, 1947. Republished June 28. Class 23.

Park & Tilford, New York, N. Y. Dye. 511,724, June 28; Serial No. 518,250. Class 6.

Pate Oil Company, Milwaukee, Wis. Lubricating oils and greases. 511,561, June 28; Serial No. 535,614, published Mar. 29, 1949. Class 15.

Patou, Jean, Inc., New York, N. Y. Perfumes and toilet water. 511,714, June 28; Serial No. 562,700, published Mar. 22, 1949. Class 6.

Pay Way Feed Mills, Inc.: *See*—
May Way Feed Mills, Inc.

Peacock Corporation, The, Kenosha, Wis. Garden seeds and onion sets. 511,570, June 28; Serial No. 525,032, published Mar. 22, 1949. Class 1.

Pedrick, C.: *See*—
Pedrick Laboratories Inc.

Pedrick Laboratories Inc., Tulsa and Sand Springs, Okla., by C. Pedrick, Tulsa, Okla. Canned dog food. 304,714, July 18, 1933. Republished June 28. Class 46.

Pennsylvania-Dixie Cement Corporation, Nazareth, Pa. Portland cement. 256,872, renewed May 28, 1949. O. G. June 28. Class 12.

Pennsylvania Refining Company: *See*—
American Oil Works Co.

Pennsylvania Sugar Company, Philadelphia, Pa., to Commercial Solvents Corporation, Terre Haute, Ind. Pure ethyl alcohol. 255,046, renewed Apr. 9, 1949. O. G. June 28. Class 49.

Pepper, Christian Tobacco Company, St. Louis, Mo. Tobacco products. 258,595, renewed July 9, 1949. O. G. June 28. Class 17.

Perfect Circle Corporation, Hagerstown, Ind. Gages of plastic material. 511,569, June 28; Serial No. 524,619, published Mar. 15, 1949. Class 26.

Perma Products Company, The, Cleveland, Ohio. Wooden sidewall material. 440,117, Aug. 10, 1948. Republished June 28. Class 12.

Perrygraf Corporation, Maywood, Ill. Printed slide-charts or calculation and correlation of technical data and printed indicia. 511,559, June 28; Serial No. 521,752, published Mar. 15, 1949. Class 26.

Personal Products Corporation: *See*—
Personal Products Corporation, The.

Personal Products Corporation, The, Milltown, by Personal Products Corporation, North Brunswick Township, N. J. Facial tissues. 396,420, July 14, 1942. Republished June 28. Class 37.

Pilcher, J. V., Mfg. Company, Louisville, Ky. Gold plated and silver plated compacts and cigarette cases. 511,592, June 28; Serial No. 532,936, published Mar. 22, 1949. Class 28.

Pillsbury Flour Mills Company, to Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 256,758, renewed May 21, 1949. O. G. June 28. Class 46.

Pillsbury Flour Mills Company, to Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 256,760, renewed May 21, 1949. O. G. June 28. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company.

Pineule Medicine Co., by E. C. De Witt & Co., Inc., Chicago, Ill. Preparation for alleviating mild rectal irritations. 42,131, Feb. 23, 1904. Republished June 28. Class 6.

Pineule Medicine Co., by E. C. De Witt & Co., Inc., Chicago, Ill. Preparation for alleviating mild rectal irritations. 45,170, Aug. 8, 1905. Republished June 28. Class 6.

Pioneer Flour Mills: *See*—
Guenther, C. H., & Son, Inc.

Pioneer Gen-E-Motor Corporation, Chicago, Ill. Generators, electric motors, dynamotors, etc. 411,608–09, Jan. 23, 1945. Republished June 28. Class 21.

Plottel Brothers, by Plottel Brothers, Inc., New York, N. Y. Waterproofed textile fabrics. 384,415, May 5, 1936. Republished June 28. Class 42.

Plottel Brothers, Inc.: *See*—
Plottel Brothers.

Polis & Hagan, Edinburg, Tex. Fresh citrus fruits and fresh tomatoes. 511,558, June 28; Serial No. 521,465, published Mar. 15, 1949. Class 46.

Poliak, Henry, Inc., New York, N. Y. Hat braids and millinery braids. 511,735, June 28; Serial No. 557,062. Class 40.

Precious Metals Specialties Company, In The, Newark, N. J. Wedding rings, jewelry settings and findings. 511,648, June 28; Serial No. 541,809, published Mar. 22, 1949. Class 28.

Pritchard, Manlon J., Minneapolis, Minn. Feed for livestock. 511,555, June 28; Serial No. 519,600, published Aug. 17, 1948. Class 46.

Professional Products Corporation, assignor to Johnson & Johnson, by Johnson & Johnson, New Brunswick, N. J. Tablets for pains. 302,070, Mar. 28, 1933. Republished June 28. Class 6.

Pure Oil Company, The, Chicago, Ill. Frozen food cabinets. 511,543, June 28; Serial No. 503,388, published Oct. 12, 1948. Class 31.

Quaker Hosiery Company, Inc., by Quaker Lace Company, Philadelphia, Pa. Hosiery. 258,386, July 9, 1929. Republished June 28. Class 39.

Quaker Hosiery Company, Inc., by Quaker Lace Company, Philadelphia, Pa. Hosiery. 274,866, Sept. 9, 1930. Republished June 28. Class 39.

Quaker Hosiery Company, Inc., by Quaker Lace Company, Philadelphia, Pa. Hosiery. 304,390, July 4, 1933. Republished June 28. Class 39.

Quaker Hosiery Company, Inc., by Quaker Lace Company, Philadelphia, Pa. Hosiery. 370,926, Sept. 12, 1939. Republished June 28. Class 39.

Quaker Hosiery Company, Inc., by Quaker Lace Company, Philadelphia, Pa. Hosiery. 370,960, Sept. 12, 1939. Republished June 28. Class 39.

Quaker Lace Company: *See*—
Quaker Hosiery Company, Inc.

Quaker Lace Company, Philadelphia, Pa. Lace fabric in the piece. 306,396, Sept. 19, 1933. Republished June 28. Class 42.

Quaker Lace Company, Philadelphia, Pa. Lace curtains and lace fabric in the piece. 306,417, Sept. 19, 1933. Republished June 28. Class 42.

Quartararo, Vincent, doing business as Acqua Lina Mfg. Co., Brooklyn, N. Y. Washing fluid. 254,849, renewed Apr. 2, 1949. O. G. June 28. Class 6.

Raybestos-Manhattan, Inc., Passaic, N. J. Friction materials. 433,541, Apr. 27, 1948. Republished June 28. Class 35.

Red Jacket Coal Sales Company, Columbus, Ohio. Coal. 511,588, June 28; Serial No. 531,143, published Mar. 22, 1949. Class 1.

Reeves Instrument Corporation, New York, N. Y. Radar and computer apparatus. 442,995, June 28; Serial No. 522,804, published Mar. 15, 1949. Class 26.

Regal Shoe Company, Whitman, Mass. Leather dressing, blacking, and polish. 261,643, renewed Sept. 17, 1949. O. G. June 28. Class 4.

Register and Tribune Company, The, Des Moines, Iowa. Weekly colmnn. 415,557, Aug. 7, 1945. Republished June 28. Class 38.

Reilly, Wm. B., & Company, Inc., New Orleans, La. Coffee, coffee and chicory compound, tea. 260,215, renewed Aug. 26, 1949. O. G. June 28. Class 46.

Reiss, C., Coal Company, The, Sheboygan, Wis. Briquetted coal. 511,565, June 28; Serial No. 524,081, published Mar. 22, 1949. Class 1.

Republic Steel Corporation: *See*—
Stark Rolling Mill Company.
United Alloy Steel Corporation.

Republic Steel Corporation, Cleveland, Ohio. Lap welded, butt welded, and electric welded pipe, etc. 352,376, Nov. 30, 1937. Republished June 28. Class 13.

Republic Steel Corporation, Cleveland, Ohio. Bessemer, open hearth and electric furnace carbon, alloy and stainless ferrous metal ingots, etc. 352,377, Nov. 30, 1937. Republished June 28. Class 14.

Republic Steel Corporation, Cleveland, Ohio. Highway and road guards and parts thereof, etc. 352,778, Dec. 14, 1937. Republished June 28. Class 12.

Richey Juniors, Inc., Kansas City, Mo. Women's dresses. 511,732, June 28; Serial No. 543,535. Class 39.

Rider, A. G.: *See*—
Rider, Arthur O.

Rider, Arthur G., doing business as A. G. Rider, Binghamton, N. Y. Finger rings, diamond rings, wedding rings, etc. 511,544, June 28; Serial No. 506,896, published Mar. 22, 1949. Class 28.

Ritter Bros., Inc., New York, N. Y. Ladies' mink coats. 511,715, June 28; Serial No. 563,009, published Feb. 22, 1949. Class 39.

Rob Roy Canning Company, Glendale, Calif. Canned fruits, canned vegetables and canned hominy. 367,493, May 16, 1939. Republished June 28. Class 46.

Robertson Bleachery & Dye Works, Incorporated, The, New Milford, Conn. Cotton piece goods. 178,241–2, Jan. 8, 1924. Republished June 28. Class 42.

Rochester Germicide Company, Rochester, N. Y. Liquid soap. 370,229, Aug. 22, 1939. Republished June 28. Class 4.

Rochester Germicide Company, Rochester, N. Y. Disinfectant and antiseptic preparations. 388,980, July 22, 1941. Republished June 28. Class 6.

Roddenbery Brothers: *See*—
Roddenbery Bros.

Roddenbery Bros., by W. B. Roddenbery Company, Inc., doing business under the name of Roddenbery Brothers, Cairo, Ga. Table syrup. 225,033, Mar. 8, 1927. Republished June 28. Class 46.

Roddenbery Brothers, by W. B. Roddenbery Company, Inc., doing business under the name of Roddenbery Brothers, Cairo, Ga. Molasses. 276,227, Oct. 14, 1930. Republished June 28. Class 46.

Roddenbery Brothers, by W. B. Roddenbery Company, Inc., doing business as Roddenbery Brothers, Cairo, Ga. Pickles, peanut butter, pickle relish, etc. 346,157, May 18, 1937. Republished June 28. Class 46.

Roddenbery, W. B.: *See*—
Roddenbery, W. B., Company, Inc.

Roddenbery, W. B., Co., by W. B. Roddenbery Company, Inc., doing business as The Honey Sweet Company, Cairo, Ga. Table syrup, pickles and peanut butter. 365,834, Mar. 21, 1939. Republished June 28. Class 46.

Roddenbery, W. B., Company, Inc.: *See*—
Cairo Pickle Company.
Roddenbery Brothers.

Roe, William G., to William G. Roe & Sons, Winter Haven, Fla. Fresh citrus fruits. 259,466, renewed July 30, 1949. O. G. June 28. Class 46.

Roe, William G., & Sons: *See*—
Roe, William G.

Roth, Otto, Inc., Newark, N. J., to Colton Razor Blade Company, Boston, Mass. Razor blades. 255,083, renewed Apr. 16, 1940. O. G. June 28. Class 23.

Rothschild, David, Company: *See*—
Rothschild, David, & Co.

Rothschild, David, & Co., by David Rothschild Company, Columbus, Ga. Cotton, woolen, linen and silk piece fabrics. 199,303, June 9, 1925. Republished June 28. Class 42.

Rothschild, David, & Co., by David Rothschild Company, Columbus, Ga. Cotton, woolen, linen and silk piece fabrics. 200,501, July 7, 1925. Republished June 28. Class 42.

Russell, Hamilton, by Rosa Cox Russell, Pensacola, Fla. Medicinal preparation. 200,922, July 14, 1925. Republished June 28. Class 6.

Russell, Rosa C.: *See*—
Russell, Hamilton.

Ry-Lock Company, Ltd., San Leandro, Calif. Window screens. 440,882, Oct. 5, 1948. Republished June 28. Class 12.

Safety Cylinder Valve Company, The, to C. E. Schreidt, Mansfield, Ohio. Valves. 75,097, re-renewed Aug. 31, 1949. O. G. June 28. Class 13.

Safeway Stores, Incorporated, also doing business as Dwight Edwards Company, Oakland, Calif. Tea. 511,638, June 28; Serial No. 540,589, published Mar. 8, 1949. Class 46.

St. Louis Metalcrafts Inc., St. Louis, Mo. Sterling silver flatware, hollow-ware and jewelry. 511,572, June 28; Serial No. 527,118, published Mar. 22, 1949. Class 28.

St. Louis Metalcrafts Inc., St. Louis, Mo. Silver plated flatware, hollow-ware and jewelry. 511,573, June 28; Serial No. 527,180, published Mar. 22, 1949. Class 28.

Salvia, Gustavo: *See*—
Tinte Oriental, Inc.

Sanderson, Edmund L., doing business as Waltham Machine Works, assignor to Waltham Machine Works, Inc., Waltham, Mass. Pinion and gear cutting machines, bench lathes, milling machines and attachments, etc. 511,629, June 28; Serial No. 539,442, published Mar. 15, 1949. Class 23.

San Dimas Orange Growers Association, San Dimas, Calif. Fresh citrus fruits. 252,210, Jan. 29, 1929. Republished June 28. Class 46.

San Dimas Orange Growers Association, San Dimas, Calif. Fresh citrus fruits. 271,355, June 3, 1930. Republished June 28. Class 46.

San Fernando Fruit Growers Association, San Fernando, Calif. Fresh citrus fruits. 511,542, June 28; Serial No. 502,535, published Mar. 15, 1949. Class 46.

Schenley Distillers Corporation: *See*—
Corning Distilling Co.

Schicht, Georg, A. G., Aussig, by Severoceske Tukove Zavody (Drive Jiri Schicht) Narodni Podnik, Usti nad Labem, Czechoslovakia. Soap, washing powder. 264,331, Nov. 26, 1929. Republished June 28. Class 4.

Schreidt, Charles E.: *See*—
Safety Cylinder Valve Company, The.

Security Mills, Inc., Knoxville, Tenn. Dog food. 438,540, Apr. 27, 1948. Republished June 28. Class 46.

Selchow & Righter Company, by Selchow & Righter Company (1939), New York, N. Y. Board games. 343,782, Mar. 2, 1937. Republished June 28. Class 22.

Selchow & Righter Company (1939): *See*—
Selchow & Righter Company.

Seidlitz Paint & Varnish Co., Kansas City, Mo. Flat wall paint in liquid form. 511,727, June 28; Serial No. 536,157. Class 16.

Severoceske Tukove Zavody (Drive Jiri Schicht) Narodni Podnik: *See*—
Schicht, Georg, A. G.

Shell Chemical Company, San Francisco, Calif., by Shell Chemical Corporation, New York, N. Y. Lacquer thinner, lacquer solvent, paint thinner, and paint solvent. 377,368, Apr. 30, 1940. Republished June 28. Class 16.

Shell Chemical Corporation: *See*—
Shell Chemical Company.
Shell Union Oil Corporation.

Shell Chemical Corporation, New York, N. Y. Soil fumigant. 435,028, Dec. 9, 1947. Republished June 28. Class 6.

Shell Oil Company, by Shell Oil Company, Incorporated, San Francisco, Calif. Petroleum pitch. 298,250, Oct. 18, 1932. Republished June 28. Class 1.

Shell Oil Company, Incorporated: *See*—
Shell Oil Company.

Shell Oil Company, Incorporated, San Francisco, Calif. Rust and corrosion preventive oils. 413,827, May 15, 1945. Republished June 28. Class 15.

Shell Oil Company, Incorporated, San Francisco, Calif. Insecticide. 429,464, Apr. 29, 1947. Republished June 28. Class 6.

Shell Union Oil Corporation, San Francisco, Calif., by Shell Chemical Corporation, New York, N. Y. Chemical preparation. 415,058, July 10, 1945. Republished June 28. Class 6.

Sherwood Petroleum Company, Inc., Brooklyn, N. Y., to Sherwood Refining Company, Inc., Englewood, N. J. Grease for lubricating machinery. 254,093–4, renewed Apr. 2, 1949. O. G. June 28. Class 15.

Sherwood Refining Company, Inc.: *See*—
Sherwood Petroleum Company, Inc.

Shortt, J. R., Milling Company, Chicago, Ill. Preparation used as an ingredient of bread or other dough products. 260,037, renewed Aug. 13, 1949. O. G. June 28. Class 46.

Shotwell Mfg. Co., by The Cracker Jack Co., Chicago, Ill. Candies. 177,241, Dec. 11, 1923. Republished June 28. Class 46.

Shoveller Corporation, Portland, Maine. Mechanical loading attachments for trucks. 511,577, June 28; Serial No. 528,957, published Mar. 15, 1949. Class 23.

Shoveller Corporation, Portland, Maine. Mechanical loading attachments for trucks. 511,579, June 28; Serial No. 529,534, published Mar. 15, 1949. Class 23.

Shreveport Mattress Company, to Trickett's, Inc., Shreveport, La. Mattresses, pillows. 254,422, renewed Mar. 26, 1949. O. G. June 28. Class 32.

Simoneau, Joseph W., Nashua, N. H. Perfume. 511,725, June 28; Serial No. 521,691. Class 6.

Sitroux Importing Co., Inc., New York, and Brooklyn, by Sitroux, Inc., New York, N. Y. Facial and wiping tissues. 281,482, Mar. 17, 1931. Republished June 28. Class 37.

Sitroux, Inc.: *See*—
Sitroux Importing Co., Inc.

Sleepmaster Products Company, Inc., Newark, N. J. Mattresses, box springs, pillows, studio couches, etc. 433,865, Nov. 4, 1947. Republished June 28. Class 32.

Societe a Responsabilite Limitee Champagne George Goulet: *See*—
Vve. George Goulet & Cie.

Societe a Responsabilite Limitee Comar & Cie. Proprietaire des Laboratories Clin, Paris, France. Remedy to alleviate the pains of childbirth. 511,709, June 28; Serial No. 559,355, published Mar. 22, 1949. Class 6.

Society for the Preservation and Encouragement of Barber Shop Quartet Singing in America, Inc., The, Detroit, Mich. Magazine. 431,439, July 22, 1947. Republished June 28. Class 38.

Society for the Preservation and Encouragement of Barber Shop Quartet Singing in America, Inc., The, Detroit, Mich. Magazines, printed programs, and printed musical compositions. 432,435, Sept. 2, 1947. Republished June 28. Class 38.

Southern Heater Corporation, Compton, Calif. Water heaters. 511,594, June 28; Serial No. 532,351, published Mar. 8, 1949. Class 34.

South Western Stone Co., Ltd., London, England. Polished stone for building or decoration. 296,816, Aug. 23, 1932. Republished June 28.

Southwestern Stone Co., Ltd., London, England. Raw or partly worked stone. 296,896, Aug. 23, 1932. Republished June 28. Class 1.

Speas Company: *See*—
Speas Manufacturing Co.

Speas Manufacturing Co., by Speas Company, Kansas City, Mo. Vinegar. 264,161, Nov. 19, 1929. Republished June 28. Class 46.

Specialty Manufacturing Company, Houston, Tex. Repair kit in the form of a card or a holder containing repair parts for a lighter for gas burners. 511,600, June 28; Serial No. 534,561, published Jan. 18, 1949. Class 34.

Spojené Farmaceutické ZAvody, národní podnik, Praha, Czechoslovakia. Pharmaceutical products. 511,602, June 28; Serial No. 549,676, published Mar. 22, 1949. Class 6.

Spraglene, Emmanuel L., doing business as Spraglene Laboratories, Roxbury, Mass. Medicinal preparations. 511,673, June 28; Serial No. 546,329, published Mar. 22, 1949. Class 6.

Spraglene Laboratories: *See*—
Spragin, Emmanuel L.

Springfield Grocer Company, Springfield, Mo. Canned soups, vegetables, fruits, etc. 511,618, June 28; Serial No. 537,370, published Mar. 15, 1949. Class 46.

Squibb, E. R., & Sons, New York, N. Y., by Ortho Pharmaceutical Corporation, Raritan, N. J. Antiseptics and spermicides. 384,936, May 19, 1936. Republished June 28. Class 6.

Standard Pharmaceutical Co.: *See*—
Berger, Herman.

Standard Pharmaceutical Co., Inc.: *See*—
Berger, Herman.

Standard Pressed Steel Co., Jenkintown, Pa. Power shaft accessories. 511,640, June 28; Serial No. 540,730, published Mar. 15, 1949. Class 23.

Standard Pressed Steel Co., Jenkintown, Pa. Shop equipment, packing plant equipment. 511,641, June 28; Serial No. 540,731, published Mar. 15, 1949. Class 23.

Standard Pressed Steel Co., Jenkintown, Pa. Shaft couplings, shaft bearings of the clamp box or pillow block type, etc. 511,642, June 28; Serial No. 540,733, published Mar. 15, 1949. Class 23.

Stark Rolling Mill Company, The, Canton, by Republic Steel Corporation, Cleveland, Ohio. Rust-resisting anti-corrosive metal. 107,210, Nov. 16, 1915. Republished June 28. Class 14.

Sta-Tite Snath Co., Shelbyville, Ind. Scythe snaths. 259,185, renewed July 23, 1949. O. G. June 28. Class 28.

Steel Products Engineering Company, The, Springfield, Ohio. Heating equipment. 511,680, June 28; Serial No. 547,493, published Mar. 1, 1949. Class 34.

Steiner, Russell O., St. Louis, Mo., assignee of Thera-Cycle Company. Pedal-operated jig saw for therapeutic purposes. 511,538, June 29; Serial No. 495,845, published Mar. 15, 1949. Class 23.

Sterling, Inc.: *See*—
Furniture Stylists Inc.

Stewart-Warner Corporation, Chicago, Ill. Radio receivers. 442,084, June 28; Serial No. 513,221, published Apr. 20, 1948. Class 21.

Stewart-Warner Corporation, Chicago, Ill. Electrical apparatus for detecting the angular locus of static and dynamic unbalance of wheels. 442,990, June 28; Serial No. 519,839, published Mar. 15, 1949. Class 26.

Stone, Harry E., doing business as American Lacquer Solvents Co., Norristown, by American Lacquer Solvents Company, Phoenixville, Pa. Lacquer solvent. 258,625, July 9, 1929. Republished June 28. Class 16.

Storm Flooring Company: *See*—
Storm, Raymond W.

Storm Flooring Co. Incorporated: *See*—
Storm, Geo. H., Co., Inc.
Storm, Raymond W.

Storm, Geo. H., & Co., Inc., assignor to R. W. Storm, by Storm Flooring Co. Incorporated, New York, N. Y. Wooden flooring. 284,061, June 16, 1931. Republished June 28. Class 12.

Storm, Raymond W.: *See*—
Storm, Geo. H., Co., Inc.

Storm, Raymond W., doing business as Storm Flooring Company, by Storm Flooring Co. Incorporated, New York, N. Y. Floor mastic. 309,311, Jan. 9, 1934. Republished June 28. Class 12.

Struble Products, Marshall, Mich. Dull edged thin blade meat scrapers. 511,597, June 28; Serial No. 533,773, published Mar. 15, 1949. Class 23.

Stryzko, George, Flushing, N. Y. Oil burners. 443,003, June 28; Serial No. 526,309, published Mar. 8, 1949. Class 34.

Sun Printing and Publishing Association, by The New York Sun, Inc., New York, N. Y. Name of a daily newspaper. 229,985, July 12, 1927. Republished June 28. Class 38.

Sunny Hills Citrus Assn.: *See*—
Sunny Hills Ranch, Inc.

Sunny Hills Ranch, Inc., doing business as Sunny Hills Citrus Assn., by Eadington Fruit Co., Fullerton, Calif. Fresh citrus fruit. 338,046, Aug. 25, 1936. Republished June 28. Class 46.

Super-X, Inc., Cleveland, Ohio, now by change of name Quel Products Inc. Liquid preparations. 443,001, June 28; Serial No. 525,980, published Mar. 22, 1949. Class 6.

Swallow Airplane Company, Inc., Wichita, Kans. Bottle cap removing and replacing tool made of base metal. 511,721, June 28; Serial No. 498,038. Class 23.

Swank, Inc., Attleboro, Mass. Jewelry. 511,654, June 28; Serial No. 542,681, published Mar. 22, 1949. Class 28.

Swartzbaugh Manufacturing Company, The: *See*—
Toledo Cooker Company, The.

Swedish Produce Company, The: *See*—
Carlson, C. A.

Syracuse Smelting Works, Brooklyn, N. Y. Babbitt metal. 139,643, Feb. 3, 1921. Republished June 28. Class 14.

Tacoma Grain Company, Tacoma, by Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 76,314, Jan. 4, 1910. Republished June 28. Class 46.

Tacoma Grain Company, Tacoma, by Centennial Flouring Mills Company, Seattle, Wash. Wheat flour. 78,838, July 12, 1910. Republished June 28. Class 46.

Tappan Stove Company, The, Mansfield, Ohio. Gas ranges and stoves. 511,606, June 28; Serial No. 550,847, published Mar. 22, 1949. Class 34.

Teague-McKevett Association: *See*—
Teagur-McKevett Company.

Teague-McKevett Company, by Teague-McKevett Association, Santa Paula, Calif. Fresh citrus fruits. 247,019, Sept. 18, 1928. Republished June 28. Class 46.

Tennessee Mineral Products Corporation, by United Feldspar & Minerals Corporation, New York, N. Y. Feldspar. 282,092, Apr. 7, 1931. Republished June 28. Class 1.

Tennessee Mineral Products Corporation, by United Feldspar & Minerals Corporation, New York, N. Y. Feldspar. 282,334, Apr. 21, 1931. Republished June 28. Class 1.

Terteling Brothers, Incorporated, Madisonville, Ky. Coal. 511,726, June 28; Serial No. 531,258. Class 1.

Tex Products, Inc., Newark, N. J. Synthetic adhesive cement. 442,980, June 28; Serial No. 507,155, published Jan. 11, 1949. Class 5.

Thatcher Furnace Company, Garwood, N. J. Oil, gas, and coal fired warm air furnaces. 511,602, June 28; Serial No. 535,098, published Feb. 15, 1949. Class 34.

Thayer, Inc., Gardner, Mass. Baby carriages. 511,690, June 28, 1949. Serial No. 548,882, published Mar. 22, 1949. Class 19.

Thera-Cycle Company: *See*—
Steiner, Russell O.

Thompson Chemical Company: *See*—
Thompson Specialties, Inc., The.

Thompson, Marvin R., Inc., Stamford, Conn. Medicinal preparations. 511,704. June 28; Serial No. 554,064, published Mar. 15, 1949. Class 6.

Thompson Specialties, Inc., The, Springfield, Mass., to Thompson Chemical Company, Pawtucket, R. I. Anti-freeze mixtures. 257,107, renewed May 28, 1949. O. G. June 28. Class 6.

Thompson Specialties, Inc., The, Springfield, Mass., to Thompson Chemical Company, Pawtucket, R. I. Anti-freeze mixture. 257,186-7, renewed May 28, 1949. O. G. June 28. Class 6.

Timken-Detroit Axle Company, The, Detroit, Mich. Vehicle axles and parts thereof. 511,533, June 28; Serial No. 477,724, published Feb. 8, 1949. Class 19.

Timken-Detroit Axle Company, The, Detroit, Mich. Axles, brakes, braking systems, etc. 511,589, June 28; Serial No. 531,540, published Mar. 22, 1949. Class 19.

Tinte Oriental: *See*—
Tinte Oriental, Inc.

Tinte Oriental, Inc., by G. Salvia, doing business under the trade name of Tinte Oriental, Mayaguez, P. R. Shampoos and hair dyes. 226,493, Apr. 12, 1927. Republished June 28. Class 6.

Toledo Cooker Company, The; by The Swartzbaugh Manufacturing Company, Toledo, Ohio. Steam cookers. 130,585, Apr. 27, 1920. Republished June 28. Class 13.

Tomkin, A. E., & Company: *See*—
Tomkin, Abraham E.

Tomkin, Abraham E., doing business as A. E. Tomkin & Company, Washington, D. C. Cartridge filter type water-demineralizers. 511,636, June 28; Serial No. 540,342, published Mar. 22, 1949. Class 31.

Transalene Corporation, Barrington, Ill. Thin sheets of colored transparent and translucent heat- and moisture-proof plastic film. 442,998, June 28; Serial No. 523,628, published Feb. 15, 1949. Class 34.

Treyhal, Joe, St. Louis, Mo. Playing dice. 261,936, renewed Sept. 24, 1949. O. G. June 28. Class 22.

Trickett's, Inc.: *See*—
Shreveport Mattress Company.

Trico Products Corporation, Buffalo, N. Y. Fluid operated automobile accessories. 442,991, June 28; Serial No. 521,040, published Feb. 8, 1949. Class 19.

Trunz, Incorporated, Brooklyn, N. Y. Canned ham, bacon, canned pork shoulder, etc. 442,986, June 28; Serial No. 515,240, published Mar. 8, 1949. Class 46.

Tryon, Edw. K., Company, Philadelphia, Pa. Bicycles. 511,596, June 28; Serial No. 532,888, published Mar. 22, 1949. Class 19.

Turmac Specialties Company, Berkeley, Calif. Skin cleanser and astringent, skin cleansing cream, hand cream. 511,697, June 28; Serial No. 550,970, published Mar. 22, 1949. Class 6.

Turmac Specialties Company, Berkeley, Calif. Hand cream. 511,698, June 28; Serial No. 550,971, published Mar. 22, 1949. Class 6.

Tyson Shirt Company, Norristown, Pa. Men's and boys' negligee, dress, and work shirts; pajamas, nightshirts, etc. 248,694, Oct. 30, 1928. Republished June 28. Class 39.

Tyson Shirt Company, Norristown, Pa. Men's and boys' work, dress, and negligee shirts; pajamas, etc. 248,695, Oct. 30, 1928. Republished June 28. Class 39.

Union Drug Co.: *See*—
Valentine Laboratories, Inc.

United Alloy Steel Corporation, New York, N. Y., and Canton, Ohio, by Republic Steel Corporation, Cleveland, Ohio. Steel, alloy steel, and iron and steel bars, and sheet bars. 159,580, Sept. 26, 1922. Republished June 28. Class 14.

United Alloy Steel Corporation, New York, N. Y., and Canton, Ohio, by Republic Steel Corporation, Cleveland, Ohio. Rust-resisting anti-corrosive metal and iron and steel bars, slabs, billets, etc. 211,281, Apr. 6, 1926. Republished June 28. Class 14.

United Alloy Steel Corporation, New York, N. Y., and Canton, Ohio, now Central Alloy Steel Corporation, by Republic Steel Corporation, Cleveland, Ohio. Rust-resisting, anti-corrosive metal and iron and steel bars, slabs, billets, etc. 222,064, Dec. 21, 1926. Republished June 28. Class 14.

United American Metals Corporation, Brooklyn, N. Y. Babbitt metal. 129,232, Jan. 27, 1920. Republished June 28. Class 14.

United American Metals Corporation, Brooklyn, N. Y. Non-ferrous alloys. 134,454, Aug. 31, 1920. Republished June 28. Class 14.

United Feldspar Corporation, by United Feldspar & Minerals Corporation, New York, N. Y. Mixture of spodumene and feldspar. 377,339, Apr. 30, 1940. Republished June 28. Class 1.

United Feldspar & Minerals Corporation: *See*—
Tennessee Mineral Products Corporation.
United Feldspar Corporation.

United Specialties Company, The, Chicago, Ill. Air cleaners and dust separators in association with internal combustion engines. 403,821, Oct. 19, 1943. Republished June 28. Class 23.

U. S. Alfalfa Products Corporation, Verdon and Lexington, Nebr. Livestock and poultry feeds. 436,258, Jan. 27, 1948. Republished June 28. Class 46.

United States Automatic Box Machinery Co., Inc., Boston, Mass. Box making machinery and parts thereof. 511,647, June 28; Serial No. 541,356, published Mar. 15, 1949. Class 23.

U. S. Machine Corporation, Lebanon, Ind. Oil burners and space heaters. 511,609, June 28; Serial No. 535,055, published Feb. 22, 1949. Class 34.

U. S. Manufacturing Corporation, Decatur, Ill. Fly swatters. 511,655, June 28; Serial No. 542,097, published Mar. 22, 1949. Class 50.

United States Quarry Tile Company, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Heat conducting adhesive cement. 442,977, June 28; Serial No. 504,947, published Feb. 8, 1949. Class 5.

United States Quarry Tile Company, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Heat conducting adhesive cement. 442,978, June 28; Serial No. 504,949, published Feb. 8, 1949. Class 5.

United States Radiator Corporation, Detroit, Mich. House-heating boilers, burning solid, liquid, or gaseous fuel. 254,975, renewed Apr. 2, 1949. O. G. June 28. Class 34.

United World Films, Inc., New York, N. Y. Silent and/or sound motion picture films. 511,650, June 28; Serial No. 543,366, published Mar. 15, 1949. Class 26.

Valentine & Company, to Valentine & Company, Inc., New York, N. Y. Ready-mixed paints. 261,568-70, renewed Sept. 17, 1949. O. G. June 28. Class 16.

Valentine & Company, Inc.: *See*—
Valentine & Company.

Valentine Laboratories, Inc., by Union Drug Co., Chicago, Ill. Hygienic preparations. 357,215, May 24, 1938. Republished June 28. Class 6.

Vejin, Inc., Cincinnati, Ohio. Flavoring in liquid form. 511,582, June 28; Serial No. 530,132, published Mar. 15, 1949. Class 46.

Victor Manufacturing & Gasket Company, Chicago, Ill. Gaskets and parts thereof, soft metallic and nonmetallic washers, etc. 284,265, June 23, 1931. Republished June 28. Class 35.

V'Soske, Inc.: *See*—
V'Soske Shops.

V'Soske Shops, by V'Soske, Inc., Grand Rapids, Mich. Rugs. 355,444, Mar. 15, 1938. Republished June 28. Class 42.

Vve. George Goulet & Cie, by Societe a Responsabilite Limitee Champagne George Goulet, Reims, France. Champagne and wines. 304,706, July 18, 1933. Republished June 28. Class 47.

Wallace, George N., New York, N. Y. Watches and parts thereof. 409,177, Sept. 19, 1944. Republished June 28. Class 27.

Waltham Machine Works: *See*—
Sanderson, Edmund L.

Waltham Machine Works, Inc.: *See*—
Sanderson, Edmund L.

Wampole, Henry K., and Company, Incorporated, Philadelphia, Pa. Tonics. 511,734, June 28; Serial No. 549,986. Class 6.

Weill, Charles, Inc., New York, N. Y. Hand bags and traveling cases. 440,199, Aug. 17, 1948. Republished June 28. Class 3.

Well Made Bloomer Co.: *See*—
Well Made Bloomer Co., Inc.

Well Made Bloomer Co., Inc., by Well Made Bloomer Co., Brooklyn, N. Y. Sport shirts. 348,012, July 13, 1937. Republished June 28. Class 39.

Western Gear Works, Seattle, Wash. Narrow-gauge tractor. 511,562, June 28; Serial No. 523,438, published Mar. 15, 1949. Class 23.

West Virginia Pulp and Paper Company, New York, N. Y. Pulverized wood pulp. 511,710, June 28; Serial No. 559,405, published Mar. 22, 1949. Class 1.

Wheelco Instruments Company, Chicago, Ill. Electronically operated instrument. 511,575, June 28; Serial No. 528,104, published Mar. 15, 1949. Class 26.

Wheelco Instruments Company, Chicago, Ill. Electronically operated instruments and parts and accessories therefor. 511,576, June 28; Serial No. 528,158, published Mar. 15, 1949. Class 26.

Whitehead, William R., Philadelphia, Pa. Medicinal preparation. 511,707, June 28; Serial No. 557,812, published Mar. 22, 1949. Class 6.

Widmer's Wine Cellars, Inc., Naples, N. Y. Wines. 326,816, Aug. 6, 1935. Republished June 28. Class 47.

Wilbur-Suchard Chocolate Company, Inc., Borough of Litlis, Pa. Chocolate coating. 511,587, June 28; Serial No. 530,893, published Mar. 15, 1949. Class 46.

Wise Delicatessen Company: *See*—
Wise, Earl V.

Wise Delicatessen Company, The: *See*—
Wise, Earl V.

Wise, Earl V., doing business as Wise Delicatessen Company, by Wise Potato Chip Co., Berwick, Pa. Potato chips. 322,718, Mar. 19, 1935. Republished June 28. Class 46.

Wise, Earl V., doing business as The Wise Delicatessen Company, by Wise Potato Chip Co., Berwick, Pa. Potato chips. 326,421, July 23, 1935. Republished June 28. Class 46.

Wise, Earl V., doing business as Wise Delicatessen Company, by Wise Potato Chip Co., Berwick, Pa. Potato chips. 327,911, Sept. 10, 1935. Republished June 28. Class 46.

Wise, Earl V., doing business as Wise Delicatessen Company, by Wise Potato Chip Co., Berwick, Pa. Potato chips. 334,000, Apr. 14, 1936. Republished June 28. Class 46.

Wise, Leo, by Leo's Stores, Inc., Cincinnati, Ohio. Electrical apparatus. 195,724, Mar. 3, 1925. Republished June 28. Class 21.

Wise Potato Chip Co.: *See*—
Wise, Earl V.

Wishnick-Tumpeer, Inc., by Witco Chemical Company, Chicago, Ill. Certain chemicals. 348,372, July 27, 1937. Republished June 28. Class 6.

Witco Chemical Company: *See*—
Wishnick-Tumpeer, Inc.

Wolff, George, San Francisco, Calif. Non-alcoholic, non-cereal, maltless beverages. 438,898, May 18, 1948. Republished June 28. Class 45.

Woolridge Manufacturing Company, Sunnyvale, Calif. Earth moving machinery and equipment. 511,540, June 28; Serial No. 496,003, published Mar. 15, 1949. Class 23.

Woolworth, F. W., Co.: *See*—
Hammermill Paper Company.

World Packing Company, Inc., New York, N. Y., and Trenton, N. J. Macaroni, spaghetti, and egg noodles. 442,903, June 28; Serial No. 522,276, published Mar. 15, 1949. Class 46.

Wright, Layman & Umney Limited, London, England. Alcoholic solution of coal tar. 511,646, June 28; Serial No. 541,248, published Mar. 22, 1949. Class 6.

Yahn & McDonnell, Philadelphia, Pa. Cigars, cigarros, and smoking tobacco. 261,100, Sept. 3, 1929. Republished June 28. Class 17.

Yankee Polish Co. Inc., New York, N. Y. Shoe polish. 257,999, June 25, 1929. Republished June 28. Class 4.

York Pharmacal Company: *See*—
Henske, Edward A.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Calcium carbonate, Extremely fine. Harry T. Campbell Sons' Corporation. 403,516, Sept. 28, 1943. Republished June 28.

Calcium stone, Mined. Harry T. Campbell Sons' Corporation. 418,289, Dec. 11, 1945. Republished June 28.

Charcoal, Animal. Pacific Bone Coal & Fertilizing Company. 323,745, Apr. 30, 1935. Republished June 28.

Coal, Red Jacket Coal Sales Company. 511,588, June 28; Serial No. 531,143, published Mar. 22, 1949.

Coal, Terreling Brothers, Incorporated. 511,726, June 28; Serial No. 531,258.

Coal, Briquetted. The C. Reiss Coal Company. 511,565, June 28; Serial No. 524,081, published Mar. 22, 1949.

Feldspar. Tennessee Mineral Products Corporation. 282,092, Apr. 7, 1931. Republished June 28.

Feldspar. Tennessee Mineral Products Corporation. 282,334, Apr. 21, 1931. Republished June 28.

Leather. The Griess-Pfleger Tanning Co. 511,620, June 28; Serial No. 537,451, published Mar. 22, 1949.

Leather, Upper. Beggs & Cobb, Incorporated. 119,638, Dec. 11, 1917. Republished June 28.

Leather, Upper. Beggs & Cobb, Incorporated. 511,539, June 28; Serial No. 495,949, published Mar. 22, 1949.

Leather, Upper. Beggs & Cobb, Incorporated. 511,549, June 28; Serial No. 515,983, published Mar. 22, 1949.

Metal resinates. The Glidden Company. 511,676, June 28; Serial No. 546,696, published Mar. 22, 1949.

Petroleum pitch, Shell Oil Company. 298,250, Oct. 18, 1932. Republished June 28.

Pyrophyllite. Carolina Pyrophyllite Company. 344,689, Mar. 30, 1937. Republished June 28.

Resins, Artificial. Carbide and Carbon Chemicals Corporation. 259,980, renewed Aug. 13, 1949. O. G. June 28.

Rubber sponges. Lee Rubber and Tire Corporation. 511,617, June 28; Serial No. 537,201, published Mar. 22, 1949.

Seed corn, Hybrid. Lowe Seed Company. 511,550, June 28; Serial No. 516,518, published Mar. 22, 1949.

Seeds, Garden, and onion sets. The Peacock Corporation. 511,570, June 28; Serial No. 525,032, published Mar. 22, 1949.

Spodumene and feldspar, Mixture of. United Feldspar Corporation. 377,339, Apr. 30, 1940. Republished June 28.

Stone, Raw or partly worked. Southwestern Stone Co., Ltd. 296,896, Aug. 23, 1932. Republished June 28.

Wood pulp, Pulverized. West Virginia Pulp and Paper Company. 511,710, June 28; Serial No. 559,405, published Mar. 22, 1949.

CLASS 2

Jewelry, silver tableware, silver toilet ware, etc. B. Altman & Co. 263,476, Nov. 5, 1929. Republished June 28.

Pails, coal hods, dinner pails, Metal (galvanized iron or tin), etc. The Atlantic Stamping Company. 158,886, Sept. 19, 1922. Republished June 28.

Sacks and bags, Polished paper. The Adams Bag Company. 251,217, renewed Jan. 1, 1949. O. G. June 28.

Sacks, Paper shipping, The Adams Bag Company. 252,052, renewed Jan. 22, 1949. O. G. June 28.

Trays. Furniture Stylists Inc. 296,722, Aug. 16, 1932. Republished June 28.

Vaults, Grave. The Gallon Metallic Vault Company. 255,100, renewed Apr. 16, 1949. O. G. June 28.

CLASS 3

Bags, Hand, and traveling cases. Charles Weill, Inc. 440,199, Aug. 17, 1948. Republished June 28.

CLASS 4

Buff wheels. E. Reed Burns Manufacturing Corporation. 261,313, renewed Sept. 17, 1949. O. G. June 28.

Cleaner, Chromium, dry cleaning fluids, wall and floor cleaning compound, etc. Park Chemical Company. 433,883, Nov. 4, 1947. Republished June 28.

Cleaning material. C. M. Addis. 402,491, July 27, 1943. Republished June 28.

Cleaning solution for use in cleaning watches and jewelry. D. H. Hamel. 511,728, June 28; Serial No. 539,156.

Cleanser, Dental plate. S. M. Edison. 217,453, Aug. 31, 1926. Republished June 28.

Dressing, blacking, and polish, Leather. Regal Shoe Company. 261,648, renewed Sept. 17, 1949. O. G. June 28.

Polish, Metal; liquid, powder, and cake soaps; scouring powder; etc. Palmer Company, Inc. 412,947, Apr. 3, 1945. Republished June 28.

Polish, Shoe. Yankee Polish Co. Inc. 257,999, June 25, 1929. Republished June 28.

Soap. Abraham & Straus, Inc. 273,109, July 22, 1930. Republished June 28.

CLASS 14

Tablets for pains. Professional Products Corporation.

United American Metals Corpora-

Soap, Liquid. Rochester Germicide Company. 370,229, Aug. 22, 1939. Republished June 28.
Soap, washing powder. Georg Schicht A. G. 264,331, Nov. 26, 1929. Republished June 28.
Soaps. P. P. Mulhens. 248,931, renewed Nov. 6, 1948. O. G. June 28.
Soaps. P. P. Mülhens. 249,739, renewed Nov. 20, 1948. O. G. June 28.
Tallow and grease for soap purposes. Consolidated Rendering Company. 257,361, June 4, 1929. Republished June 28.
Washing fluid. California Bleaching Water Co., Inc. 254,269, Mar. 19, 1929. Republished June 28.

CLASS 5

Cement, Heat conducting adhesive. United States Quarry Tile Company. 442,977, June 28; Serial No. 504,947, published Feb. 8, 1949.
Cement, Heat conducting adhesive. United States Quarry Tile Company. 442,978, June 28; Serial No. 504,949, published Feb. 8, 1949.
Cement, Synthetic adhesive. Beautykote Corporation. 442,979, Juno 28; Serial No. 507,096, published Jan. 4, 1949.
Cement, Synthetic adhesive. Tex Products, Inc. 442,980, June 28; Serial No. 507,155, published Jan. 11, 1949.
Glue. Cudahy Packing Co. 442,983, June 28; Serial No. 512,581, published May 11, 1948.
Glue. Pacific Bone Coal & Fertilizing Co. 287,061, Sept. 15, 1931. Republished June 28.
Tape, Heat sealing. Industrial Tape Corporation. 511,583, June 28; Serial No. 530,313, published Jan. 11, 1949.
Tapes, Friction, and rubber adhesive tapes. The Okonite Company. 511,584, June 28; Serial No. 530,332, published Mar. 1, 1949.

CLASS 6

Acne cream. Harven Products, Inc. 511,706, June 28; Serial No. 556,578, published Mar. 22, 1949.
Ammonia and benzol. Alabama By-Products Corporation. 163,004, Jan. 2, 1923. Republished June 28.
Analgesic and sedative. The Dr. Miles Medical Co. 54,274, June 26, 1906. Republished June 28.
Antifreeze mixture. The Thompson Specialties, Inc. 257,186–7, renewed May 28, 1949. O. G. June 28.
Antifreeze mixtures. The Thompson Specialties, Inc. 257,107, renewed May 28, 1949. O. G. June 28.
Antiseptic. Arwell Products Company. 290,826, Jan. 19, 1932. Republished June 28.
Antiseptic preparation. Johnson & Johnson. 208,222, Oct. 18, 1932. Republished June 28.
Antiseptic, Skin E. A. Henske. 271,248, May 27, 1930. Republished June 28.
Antiseptics and spermicides. E. R. Squibb & Sons. 334,936, May 19, 1936. Republished June 28.
Arsenic compound, Organic. The Hoffmann-La Roche Chemical Works. 261,283, renewed Sept. 17, 1949. O. G. June 28.
Bluing, Laundry, and laundry colors. B. Heller & Co. 98,148, July 7, 1914. Republished June 28.
Cardiotonic. The Hoffmann-La Roche Chemical Works. 261,282, renewed Sept. 17, 1949. O. G. June 28.
Chemical preparation. Shell Union Oil Corporation. 415,058, July 10, 1945. Republished June 28.
Chemical products. Firmenich & Co. 511,695, June 28; Serial No. 550,798, published Mar. 22, 1949.
Chemicals, Certain. Wishnick-Tumpeer, Inc. 348,372, July 27, 1937. Republished June 28.
Chlorinated solution. The Cudahy Packing Company. 511,705, June 28; Serial No. 558,354, published Mar. 22, 1949.
Cleanser and astringent, Skin, skin cleansing cream, hand cream. Turmac Specialties Company. 511,697, June 28; Serial No. 550,970, published Mar. 22, 1949.
Cleansing, deodorizing, and fumigating preparations. Arwell, Inc. 361,211, Oct. 11, 1938. Republished June 28.
Deodorant, Household, and moth preventative. Arwell Products Company. 239,245, Feb. 28, 1928. Republished June 28.
Disinfectant and antiseptic preparations. Rochester Germicide Company. 388,980, July 22, 1941. Republished June 28.
Dye. Park & Tilford. 511,724, June 28; Serial No. 518,250.
Dyes, dyestuffs, and colors. The Newport Company. 252,456, Feb. 5, 1929. Republished June 28.
Embalming fluid. The Embalmers' Supply Company, Inc. 262,011, renewed Sept. 24, 1949. O. G. June 28.
Extinguishing compound, Dry. Dugas Engineering Corporation. 395,946, June 16, 1942. Republished June 28.
Fire extinguishing compositions, Dry powdered chemical. Dugas Engineering Corporation. 409,942, Oct. 31, 1944. Republished June 28.
Flux, Brazing. O. M. Krembs. 254,799, renewed Apr. 2, 1949. O. G. June 28.
Fluxes, Tinning The Orasselli Chemical Company. 247,209, Sept. 25, 1928. Republished June 28.
Fumigant, Soil. Shell Chemical Corporation. 435,028, Dec. 9, 1947. Republished June 28.
Fungicides. Food Machinery Corporation. 511,712, June 28; Serial No. 561,664, published Mar. 22, 1949.
Gases, Compressed. National Cylinder Gas Company. 511,702, June 28; Serial No. 551,301, published Mar. 22, 1949.
Germicide and antiseptic solution. H. P. Chapman. 260,109, renewed Aug. 13, 1949. O. G. June 28.
Hand cream. Turmac Specialties Company. 511,698, June 28; Serial No. 550,971, published Mar. 22, 1949.
Hand cream, cold cream, cleansing cream, etc. Pacquin Inc. 322,981, Mar. 26, 1935. Republished June 28.
Hydrocarbons, alcohols, ketones, etc. Allied Chemical & Dye Corporation. 511,713, June 28; Serial No. 561,708, published Mar. 22, 1949.
Hygienic preparations. Valentine Laboratories, Inc. 357,215, May 24, 1938. Republished June 28.
Immunizing agent, Mosquito, intramuscular injection, etc. G. M. Broemmel. 430,111, Jan. 20, 1948. Republished June 28.
Insecticide. Shell Oil Company, Incorporated. 429,464, Apr. 29, 1947. Republished June 28.
Insecticides; fly spray; roach powder; etc. Palmer Company, Inc. 412,129, Feb. 20, 1945. Republished June 28.
Insecticides, moth fumigant. Arwell Products Co. 281,237, Mar. 10, 1931. Republished June 28.
Lavender water. P. E. Mulhens. 251,442, renewed Jan. 8, 1949. O. G. June 28.
Laxative medicines. Dr. Miles Medical Company. 211,498, Apr. 13, 1926. Republished June 28.
Liquid preparations. Super-X, Inc. 443,001, June 28; Serial No. 525,980, published Mar. 22, 1940.
Liquid to be added to refrigerants, such as methyl chloride, etc. Ansul Chemical Company. 372,931, Nov. 21, 1939. Republished June 28.
Medicinal preparation. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft. 253,993, renewed Mar. 12, 1949. O. G. June 28.
Medicinal preparation. H. Russell. 200,922, July 14, 1925. Republished June 28.
Medicinal preparation. W. R. Whitehead. 511,707, June 28; Serial No. 557,812, published Mar. 22, 1949.
Medicinal preparations. E. L. Spragin. 511,673, June 28; Serial No. 546,329, published Mar. 22, 1949.
Medicinal preparations. M. R. Thompson, Inc. 511,704, June 28; Serial No. 554,064, published Mar. 15, 1949.
Moth cakes and crystals, and deodorants. The Mabex Co. 440,118, Aug. 10, 1948. Republished June 28.
Mouth wash. Chicago Pharmacal Company. 357,021, May 24, 1938. Republished June 28.
Opium alkaloids and their salts; caffein, theobromin, etc. F. Hoffman-La Roche & Co. 75,372, re-renewed Sept. 28, 1949. G. G. June 28.
Perfume. J. W. Simonean. 511,725, June 28; Serial No. 521,691.
Perfumes and toilet water. Jean Patou, Inc. 511,714, June 28; Serial No. 562,709, published Mar. 22, 1949.
Pharmaceutical products. Spojené Farmaceutické Závody Národní Podnik. 511,692, June 28; Serial No. 549,676, published Mar. 22, 1949.
Poison, Rat and mice. H. W. Fay. 511,722, June 28; Serial No. 498,409.
Preparation for alleviating discomforts of excess stomach acidity. E. C. De Witt & Co. 45,473, Aug. 22, 1905. Republished June 28.
Preparation for alleviating mild rectal irritations. Pineule Medicine Co. 42,131, Feb. 23, 1904. Republished June 28.
Preparation for alleviating mild rectal irritations. Pineule Medicine Co. 45,170, Aug. 8, 1905. Republished June 28.
Preparation for use as a germicide, disinfectant, and household deodorant. Carsolite Corporation. 511,701, June 28; Serial No. 551,163, published Mar. 22, 1949.
Preparation for use in permanent hair waving. Samuel Bonat & Bros. 254,889, renewed Apr. 2, 1949. O. G. June 28.
Preparation to be used in the treatment of hypertension. E. Fougera & Co., Inc. 511,716, June 28; Serial No. 563,405, published Mar. 22, 1949.
Refrigerants and chemical fumigants. Ansul Chemical Company. 402,775, Aug. 10, 1943. Republished June 28.
Remedy to alleviate the pains of childbirth. Societe a Responsabilite Limitee Comar & Cie, Proprietaire des Laboratories Clin. 511,709, June 28; Serial No. 559,355, published Mar. 22, 1949.
Repellent, Fly. Consolidated Chemical Industries, Inc. 347,808, July 6, 1937. Republished June 28.
Rouge and lip stick. The Armand Company. 257,016, renewed May 28, 1949. O. G. June 28.
Sedative. Chicago Pharmacal Company. 395,675, June 2, 1942. Republished June 28.
Sedative and hypnotic. The Hoffman-La Roche Chemical Works. 261,586, renewed Sept. 17, 1949. O. G. June 28.
Sedatives. H. Berger. 406,058, Mar. 7, 1944. Republished June 28.
Shampoos and hair dyes. Tinte Oriental, Inc. 226,493, Apr. 12, 1927. Republished June 28.
Solution of coal tar, Alcoholic. Wright, Layman & Umney Limited. 511,648, June 28; Serial No. 541,248, published Mar. 22, 1949.

Tablets for pains. Professional Products Corporation. 302,070, Mar. 28, 1933. Republished June 28.
Tonic for preserving and beautifying the hair, Liquid. Lanman & Kemp, Inc. 261,617, renewed Sept. 17, 1949. O. G. June 28.
Tonics. Henry K. Wampole and Company, Incorporated. 511,734, June 28; Serial No. 549,996.
Vaginal creams and jellies, antiseptic preparations for feminine hygiene, etc. Ortho Pharmaceutical Corporation. 433,428, Oct. 14, 1947. Republished June 28.
Washing fluid. N. Quartararo. 254,849, renewed Apr. 2, 1949. O. G. June 28.

CLASS 8

Jewelry, silver tableware, silver toilet ware, etc. B. Altman & Co. 263,476, Nov. 5, 1929. Republished June 28.

CLASS 9

Powder, Blasting, pellet powder, dynamite, etc. Austin Powder Company. 308,311, Nov. 28, 1933. Republished June 28.

CLASS 10

Animal products. Consolidated Rendering Company 254,910, Apr. 2, 1929. Republished June 28.
Bone meal, Steamed, and ground steam bone. Pacific Bone Coal & Fertilizing Company. 308,542, Dec. 5, 1933. Republished June 28.
Fertilizer. Pacific Bone Coal & Fertilizing Co. 89,404, Dec. 17, 1912. Republished June 28.
Limestone, Pulverized. The Ohio Hydrate & Sopply Co. 261,123, renewed Sept. 3, 1949. O. G. June 28.

CLASS 11

Inks for writing, printing, and stamping, and thinners therefor. B. Heller & Co. 98,773, Aug. 14, 1914. Republished June 28.
Pads, Ink, rubber-stamp ink, and numbering machine ink. Office Specialties Co. 222,708, Jan. 4, 1927. Republished June 28.

CLASS 12

Blocks, Building, and supporting forms for concrete. P. G. Means. 511,680, June 28; Serial No. 548,753, published Mar. 1, 1949.
Building material. The Newport Rolling Mill Company. 120,619, Feb. 19, 1918. Republished June 28.
Cement, Portland. Pennsylvania-Dixie Cement Corporation. 256,872, renewed May 28, 1949. O. G. June 28.
Concrete forms and shaping devices. Metal Forms Corporation. 137,334, Nov. 23, 1920. Republished June 28.
Floor mastic. R. W. Storm. 309,311, Jan. 9, 1934. Republished June 28.
Flooring, Wooden. Geo. H. Storm & Co., Inc. 284,061, June 16, 1931. Republished June 28.
Framing members, Prefabricated lightweight reinforced concrete structural. Lith-I-Bar Company. 411,193, Jan. 9, 1945. Republished June 28.
Guards and parts thereof, Highway and road, etc. Republic Steel Corporation. 352,778, Dec. 14, 1937. Republished June 28.
Screens, Window. Ry-Lock Company, Ltd. 440,882, Oct. 5, 1948. Republished June 28.
Sidewall material, Wooden. The Perma Products Company. 440,117, Aug. 10, 1948. Republished June 28.
Stone, Building, asphaltic concrete, and so-called hot and cold mix asphaltic concrete, etc. Harry T. Campbell Sons Company. 306,728, Sept. 26, 1933. Republished June 28.
Stone for building or decoration, Polished. South Western Stone Co., Ltd. 296,816, Aug. 23, 1932. Republished June 28.

CLASS 13

Boilers, cooling and heating coils, expansion-valves, radiators, etc. American District Steam. Company. 111,115, July 4, 1916. Republished June 28.
Chains and chain links, Power. Link-Belt Company. 319,363, Nov. 20, 1934. Republished June 28.
Chains, Composite transmission and conveyer. Link-Belt Company. 222,800, Jan. 11, 1927. Republished June 28.
Cookers, Steam. The Toledo Cooker Company. 130,585. Apr. 27, 1920. Republished June 28.
Fencing, Wire field. Belknap Hardware & Manufacturing Company. 259,520, renewed July 30, 1949. O. G. June 28.
Hardware, Pole line. Hubbard and Company. 304,874, May 5, 1942. Republished June 28.
Jewelry, silver tableware, silver toilet ware, etc. B. Altman & Co. 263,476, Nov. 5, 1929. Republished June 28.
Pipe, Lap welded, butt welded, and electric welded, etc. Republic Steel Corporation. 352,376, Nov. 30, 1937. Republished June 28.
Tubing, plain and formed, Metal. Calumet and Hecla Consolidated Copper Company. 401,966, June 22, 1943. Republished June 28.
Valves. The Safety Cylinder Valve Company. 75,007, re-renewed Aug. 31, 1949. O. G. June 28.
Valves and steampacking. A. B. Jenkins. 32,911, re-renewed May 16, 1949. O. G. June 28.

CLASS 14

Alloys, Non-ferrous. United American Metals Corporation. 134,454, Aug. 31, 1920. Republished June 28.
Babbitt metal. Syracuse Smelting Works. 139,643, Feb. 8, 1921. Republished June 28.
Babbitt metal. United American Metals Corporation. 129,232, Jan. 27, 1920. Republished June 28.
Ingots, Bessemer, open hearth and electric furnace carbon, alloy, and stainless ferrous metal, etc. Republic Steel Corporation. 352,377, Nov. 30, 1937. Republished June 28.
Metal, Rust-resisting anti-corrosive. The Stark Rolling Mill Company. 107,210, Nov. 16, 1915. Republished June 28.
Metal, Rust-resisting anti-corrosive, and iron and steel bars, slabs, billets, etc. United Alloy Steel Corporation. 211,281, Apr. 6, 1926. Republished June 28.
Metal, Rust-resisting, anti-corrosive, and iron and steel bars, slabs, billets, etc. United Alloy Steel Corporation, 222,064, Dec. 21, 1926. Republished June 28.
Metals, Heat-treated ferrous. Link-Belt Company. 248,922, Nov. 6, 1928. Republished June 28.
Pig iron, in the form of pigs. Interlake Iron Corporation. 347,216, June 22, 1937. Republished June 28.
Steel, alloy steel, and iron and steel bars, and sheet bars. United Alloy Steel Corporation. 150,560, Sept. 26, 1922. Republished June 28.

CLASS 15

Gasoline. The Hickok Producing Co. 256,329, renewed May 14, 1949. O. G. June 28.
Gasoline, kerosene, and for lubricating purposes: oils, etc. American Oil Works Co. 259,754, renewed Aug. 6, 1949. O. G. June 28.
Grease for lubricating machinery. Sherwood Petroleum Company, Inc. 254,993–4, renewed Apr. 2, 1949. O. G. June 28.
Lubricants, Powdered. Panef Manufacturing Co. 415,056, July 10, 1945. Republished June 28.
Oils and greases, Lubricating. Pate Oil Company. 511,561, June 28; Serial No. 535,614, published Mar. 29, 1940.
Oils, Rust and corrosion preventive. Shell Oil Company, Incorporated. 413,827, May 15, 1945. Republished June 28.

CLASS 16

Paint, Anti-corrosive and anti-fouling, mixed paint, and enamel paints. Holzapfels Limited. 85,442, Feb. 20, 1912. Republished June 28.
Paint in liquid and paste form. Kling-Tite Paint Products Co. 511,729, June 28; Serial No. 539,717.
Paint in liquid form, Flat wall. Seidlits Paint & Varnish Co. 511,727, June 28; Serial No. 530,157.
Paint, Plastic. Great Lakes Varnish Works, Inc. 262,661, Oct. 22, 1929. Republished June 28.
Paints, Ready-mixed. Valentine & Company. 201,568–70, renewed Sept. 17, 1949. O. G. June 28.
Paints; varnishes; paint enamels, etc. W. W. Lawrence & Company. 511,624, June 28; Serial No. 538,768, published Mar. 15, 1949.
Polishes, Floor, woodwork, and furniture. The Gerson-Stewart Corporation. 295,062, June 14, 1932. Republished June 28.
Solvent, Lacquer. H. E. Stone. 258,025, July 9, 1929. Republished June 28.
Thinner, Lacquer, lacquer solvent, paint thinner, and paint solvent. Shell Chemical Company. 377,368, Apr. 30, 1940. Republished June 28.

CLASS 17

Cigars, cigarros and smoking tobacco. Yahn & McDonnell. 201,109, Sept. 3, 1929. Republished June 28.
Tobacco products. Peper Christian Tobacco Company. 258,595, renewed July 9, 1949. O. G. June 28.
Tobacco, Smoking. G. S. Mahn. 71,941, Dec. 22, 1908. Republished June 28.

CLASS 19

Automobile accessories, Fluid operated. Trico Products Corporation. 442,091, June 28; Serial No. 521,040, published Feb. 8, 1949.
Automobile bodies. General Motors Corporation. 511,601, June 28; Serial No. 535,026, published Mar. 22, 1949.
Automobiles. Hudson Motor Car Company. 511,679, June 28; Serial No. 547,123, published Mar. 22, 1949.
Automobiles. Humber Limited. 511551–2, June 28, Serial Nos. 516,844–5, published Mar. 22, 1940.
Automobiles and structural parts thereof. General Motors Corporation. 511,603, June 28; Serial No. 535,143, published Mar. 22, 1949.
Automobiles and structural parts thereof. General Motors Corporation. 511,688, June 28; Serial No. 548,062, published Mar. 22, 1949.
Automobiles, Passenger and commercial. Ford Motor Company. 365,565, Mar. 14, 1939. Republished June 28.
Axles, brakes, braking systems, etc. The Timken-Detroit Axle Company. 511,589, June 28; Serial No. 531,546, published Mar. 22, 1949.
Axles, Vehicle, and parts thereof. The Timken-Detroit Axle Company. 511,533, June 28; Serial No. 477,724, published Feb. 8, 1949.

Bicycles. D. P. Harris Hardware & Manufacturing Co., Inc. 442,992, June 28; Serial No. 521,882, published Feb. 8, 1949.
Bicycles. D. P. Harris Hardware & Manufacturing Co., Inc. 442,999, June 28; Serial No. 524,981, published Feb. 8, 1949.
Bicycles. D. P. Harris Hardware & Manufacturing Co., Inc. 443,000, June 28; Serial No. 524,985, published Feb. 8, 1949.
Bicycles. Edw. K. Tryon Company. 511,596, June 28; Serial No. 532,888, published Mar. 22, 1949.
Bicycles and structural parts thereof. The Huffman Manufacturing Company. 511,553, June 28; Serial No. 518,145, published Mar. 22, 1949.
Boats, Marine. G. Kalybaba. 442,974, June 28; Serial No. 486,306, published Feb. 8, 1949.
Boats, Power, and row boats. Harwill, Inc. 442,996, June 28; Serial No. 522,807, published Feb. 8, 1949.
Buses, vans, dairy vehicle bodies for automotive trucks. Hackney Bros. Body Co. 511,693, June 28; Serial No. 549,925, published Mar. 22, 1949.
Busses, Motor, and motor bus bodies. ACF-Brill Motors Company. 511,536, June 28; Serial No. 494,533, published Mar. 8, 1949.
Carriages, Baby. Carry-Cab Corporation. 511,645, June 28; Serial No. 541,087, published Feb. 8, 1949.
Carriages, Baby. Thayer, Inc. 511,690, June 28; Serial No. 548,882, published Mar. 22, 1949.
Cars, Motor. Ford Motor Company. 511,662, June 28; Serial No. 544,440, published Mar. 8, 1949.
Equipment for automotive trucks and busses, etc. Auto Truck Equipment Company. 511,651, June 28; Serial No. 542,505, published Feb. 8, 1949.
Equipment for automotive trucks and busses, etc. Auto Truck Equipment Company. 511,652, June 28; Serial No. 542,508, published Feb. 8, 1949.
Mounts, Shock absorber, and coil spring spacers. B. B. Fox. 511,703, June 28; Serial No. 551,789, published Mar. 22, 1949.
Propelling and steering mechanism for boats, Pedal or mechanically operated. E. F. Metcalfe. 511,644, June 28; Serial No. 541,062, published Mar. 22, 1949.
Radiators and radiator cores. McCord Corporation. 511,687, June 28; Serial No. 547,744, published Mar. 22, 1949.
Side walls surrounding the hubs of vehicular wheels, Protective, ornamental metal. Kromweel Manufacturing Co. 511,660, June 28; Serial No. 544,171, published Mar. 1, 1949.
Single trees, double trees, neck yokes, etc. Nizdorff-Krein Mfg. Co. 511,547, June 28; Serial No. 509,789, published Mar. 1, 1949.
Tanks, Fuel. Griffin Tank & Welding Service. 511,608, June 28; Serial No. 535,522, published Mar. 22, 1949.
Trailers, House. Kit Manufacturing Company. 511,682–3, June 28; Serial Nos. 547,559–60, published Mar. 22, 1949.
Trailers, House. Palace Corporation. 511,628, June 28; Serial No. 539,430, published Feb. 8, 1949.
Trailers, truck trailers, and parts therefor. Mustang Trailer Company. 442,982, June 28; Serial No. 511,953, published Sept. 2, 1947.
Trim for automobile wheels, Ornamental. Lyon, Incorporated. 511,677, June 28; Serial No. 546,715, published Feb. 8, 1949.
Trucks, Motor. Mack Manufacturing Corporation. 511,711, June 28; Serial No. 561,363, published Mar. 22, 1949.

CLASS 21

Apparatus for the control of electric energy. Allen-Bradley Company. 432,065, Aug. 19, 1947. Republished June 28.
Battery-charging apparatus, Complete and incomplete electrical control apparatus, electrical instruments, etc. Allen-Bradley Company. 185,662, June 24, 1924. Republished June 28.
Cables, Battery. The Creacent Company, Inc. 511,684–5, June 28; Serial Nos. 547,707–08, published Feb. 22, 1949.
Conductors, Electrical. General Electric Company. 259,138, renewed July 23, 1949. O. G. June 28.
Controls for electric switches, temperature-operated electric switches, pressive-operated electric switches, and parts thereof, Electric. The Federal Gauge Company. 276,768, Oct. 28, 1930. Republished June 28.
Drills, Electric portable, electric screw drivers, electric portable grinders, etc. Millers Falls Company. 255,562, renewed Apr. 23, 1949. O. G. June 28.
Electrical apparatus. Appleton Electric Company. 511,571, June 28; Serial No. 526,663, published Mar. 1, 1949.
Electrical apparatus. Ozonair Limited. 89,945. Jan. 21, 1913. Republished June 28.
Electrical apparatus. Leo Wise. 195,724, Mar. 3, 1925. Republished June 28.
Generators, electric motors, dynamotors, etc. Pioneer Gen-E-Motor Corporation. 411,608–09, Jan. 23, 1945. Republished June 28.
Lighting units, Vapor-tight. Benjamin Electric Manufacturing Company. 511,564, June 28; Serial No. 523,737, published Mar. 8, 1949.
Oscillators, Quartz crystal electric. General Electric Company. 403,020, Aug. 31, 1943. Republished June 28.
Radio receivers. Stewart-Warner Corporation. 442,984, June 28; Serial No. 518,221, published Apr. 20, 1948.
Radio receiving sets and radio phonograph combination sets. The Magnavox Company. 511,593, June 28; Serial No. 532,145, published Jan. 18, 1949.
Switch boards, flat switches, flush switches, etc., Electrical. J. A. Crabtree & Co. Limited. 156,632, July 11, 1922. Republished June 28.
Terminals and contacts; trolley shoes; switches, switch contacts, etc., Electric. Ampco Metal, Inc. 442,973, June 28; Serial No. 479,323, published Aug. 6, 1946.

CLASS 22

Board adapted for use in exercise of the human body, Supporting. May MacGregor. 439,437, June 20, 1948. Republished June 28.
Dice, Playing. Joe Treybal. 261,936, renewed Sept. 24, 1949. O. G. June 28.
Games, Board. Selchow & Righter Company. 343,782, Mar. 2, 1937. Republished June 28.

CLASS 23

Accessories, Power shaft. Standard Pressed Steel Co. 511,640, June 28; Serial No. 540,730, published Mar. 15, 1949.
Agricultural machines and parts thereof. Bertrand R. Glaenzer. 511,537, June 28; Serial No. 495,230, published Mar. 15, 1949.
Air cleaners and dust separators in association with internal combustion engines. The United Specialties Company. 403,821, Oct. 19, 1943. Republished June 28.
Attachments for trucks, Mechanical loading. Shoveller Corporation. 511,577, June 28; Serial No. 528,957, published Mar. 15, 1949.
Attachments for trucks, Mechanical loading. Shoveller Corporation. 511,579, June 28; Serial No. 529,534, published Mar. 15, 1949.
Bases for compression and injection molds, Mold. Master Machine & Tool Company. 511,595, June 28; Serial No. 532,741, published Mar. 15, 1949.
Blades, Razor. Fred Harvey. 511,611, June 28; Serial No. 536,382, published Mar. 5, 1949.
Blades, Razor. Otto Ruth, Inc. 255,083, renewed Apr. 16, 1949. O. G. June 28.
Blades, Razor, razors, shears, etc. Edward L. Cowen. 255,541, renewed Apr. 23, 1949. O. G. June 28.
Cleaning machine, Metal parts. Park Chemical Company. 435,455, Dec. 30, 1947. Republished June 28.
Clutches. The Carlyle Johnson Machine Company. 378,284, June 4, 1940. Republished June 28.
Conveyers for conveying and handling material. Guarantee Construction Company. 137,700, Dec. 7, 1920. Republished June 28.
Couplings, Shaft, shaft bearings of the clamp box or pillow block type, etc. Standard Pressed Steel Co. 511,642, June 28; Serial No. 540,733, published Mar. 15, 1949.
Cutting machines, Pinion and gear, bench lathes, milling machines and attachments, etc. E. L. Sanderson. 511,629, June 28; Serial No. 539,442, published Mar. 15, 1949.
Degreasers. Circo Products Company. 439,383, June 22, 1948. Republished June 28.
Equipment for use in the graphic arts industry. American Type Founders Sales Corporation. 511,534, June 28; Serial No. 483,503, published Mar. 15, 1949.
Equipment, Shop, packing plant equipment. Standard Press Steel Co. 511,641, June 28; Serial No. 540,731, published Mar. 15, 1949.
Guns, Grease, or grease dispensers. National Sales, Inc. 511,643, June 28; Serial No. 541,018, published Mar. 15, 1949.
Jacks, Hydraulic, hydraulic automobile fender straightenera, hand operated bench tool grinders and vises. American Hydraulics, Inc. 443,004, June 28; Serial No. 493,520.
Jacks, Lifting, and attachments for jacks. The Duff-Norton Manufacturing Company. 260,551, renewed Aug. 27, 1949. O. G. June 28.
Jewelry, silver tableware, silver toilet ware, etc. B. Altman & Co. 263,476, Nov. 5, 1929. Republished June 28.
Jig saw for therapeutic purposes, Pedal-operated. R. O. Steiner. 511,538, June 29; Serial No. 495,845, published Mar. 15, 1949.
Machinery and equipment, Earth moving. Wooldridge Manufacturing Company. 511,540, June 28; Serial No. 496,003, published Mar. 15, 1949.
Machinery and parts thereof, Box making. United States Automatic Box Machinery Co., Inc. 511,647, June 28; Serial No. 541,356, published Mar. 15, 1949.
Machinery, Bag filling and sealing. Capem Machinery Corporation. 261,624, renewed Sept. 17, 1949. O. G. June 28.
Machinery. Woodworking, nonferrous metal work machinery. Onsrud Machine Works, Inc. 511,649, June 28; Serial No. 541,882, published Mar. 15, 1949.
Marking devices and accessories therefor. A. C. Gibson Co. Inc. 511,625, June 28; Serial No. 539,044, published Mar. 15, 1949.
Materials-handling equipment, accessories thereto and parts therefor. Lewis-Shepard Products, Inc. 439,737, July 20, 1948. Republished June 28.

Motors for rowboats, canoes, and the like; oil engines, centrifugal and high pressure reciprocating pumps, etc. Evinrude Motor Company. 254,253, renewed Mar. 12, 1949. O. G. June 28.
Motors, Outboard. National Pressure Cooker Company. 511,541, June 28; Serial No. 502,223, published Mar. 15, 1949.
Needles, latch. Arrow Needle Company. 511,635, June 28; Serial No. 540,241, published Mar. 15, 1949.
Plungers, Oil well pump. Gustin-Bacon Manufacturing Company. 431,227, July 15, 1947. Republished June 28.
Sawing machines, Power driven wood. W. B. Mershon Corp. 511,671, June 28; Serial No. 545,146, published Mar. 15, 1949.
Saws, wood-saw blades, axes, etc. Bliss, Mize & Silliman Hardware Co. 156,186, June 20, 1922. Republished June 28.
Scrapers, Dull edged thin blade meat. Struble Products. 511,597, June 28; Serial No. 533,773, published Mar. 15, 1949.
Screens, parts and accessories, Sewage and water, etc. Link-Belt Company. 286,793, Sept. 1, 1931. Republished June 28.
Shears and scissors, Household and factory. Gabe Manufacturing Corporation. 511,627, June 28; Serial No. 539,406, published Mar. 15, 1949.
Slings, Cane. American Hoist & Derrick Co. 511,631, June 28; Serial No. 539,927, published Mar. 15, 1949.
Snaths, Scythe. Sta-Tite Snath Co. 259,185, renewed July 23, 1949. O. G. June 28.
Stapling machines, Hand-operated. A. L. Hansen Mfg. Co. 511,630, June 28; Serial No. 539,872, published Mar. 15, 1949.
Sweepers, Carpet. Bissell Carpet Sweeper Co. 73,421, re-renewed Apr. 20, 1949. O. G. June 28.
Tool made of base metal, Bottle cap removing and replacing. Swallow Airplane Company, Inc. 511,721, June 28; Serial No. 498,036.
Tractor, Narrow-gauge. Western Gear Works. 511,502, June 28; Serial No. 528,438, published Mar. 15, 1949.
Vending machines, Coin operated. The Northwestern Corporation. 511,653, June 28; Serial No. 542,634, published Mar. 15, 1949.

CLASS 24

Washtubs and wash boilers. The Atlantic Stamping Company. 152,674, Mar. 7, 1922. Republished June 28.

CLASS 25

Locks. Master Lock Company. 280,311, July 19, 1927. Republished June 28.
Padlocks, hasp locks, and door guards and door bolts. Master Lock Company. 218,153, Sept. 21, 1926. Republished June 28.

CLASS 26

Apparatus for detecting the angular lurue of static and dynamic unbalance of wheels, Electrical. Stewart-Warner Corporation. 442,990, June 28; Serial No. 519,839, published Mar. 15, 1949.
Attachment to the neck of a spirits bottle for use in dispensing liquors in a known quantity. Modern Engineering and Development Co. 442,976, June 28; Serial No. 499,795, published Mar. 15, 1949.
Benches, Optical, optical kits, prism assemblies, etc. C. W. North. 442,989, June 28; Serial No. 518,620, published Mar. 15, 1949.
Calculating and adding machines. Monroe Calculating Machine Company. 129,029, Jan. 20, 1920. Republished June 28.
Films, Silent and/or sound motion picture. United World Films, Inc. 511,659, June 28; Serial No. 543,866, published Mar. 15, 1949.
Gages of plastic material. Perfect Circle Corporation. 511,569, June 28; Serial No. 524,619, published Mar. 15, 1949.
Glasses, Sun. Bo Vier Consultants. 511,733, June 28; Serial No. 546,819.
Instrument, Electronically operated. Wheelco Instruments Company. 511,575, June 28; Serial No. 528,104, published Mar. 15, 1949.
Instruments, Electronically operated, and parts and accessories therefor. Wheelco Instruments Company. 511,576, June 28; Serial No. 528,158, published Mar. 15, 1949.
Instruments, Oil well surveying, orienting instruments. Eastman Oil Well Survey Company. 511,546, June 28; Serial No. 507,075, published Mar. 15, 1949.
Meters, Watthour, demand meters, combined watthour and demand meters, and registers and transformers. Duncan Electric Manufacturing Company. 511,691, June 28; Serial No. 549,238, published Mar. 15, 1949.
Radar and computer apparatus. Reeves Instrument Corporation. 442,995, June 28; Serial No. 522,804, published Mar. 15, 1949.
Regulating systems, Temperature. Minneapolis-Honeywell Regulator Company. 511,574, June 28; Serial No. 527,864, published Mar. 15, 1949.
Slide-charts. Printed, for calculation and correlation of technical data and printed indicia. Perrygraf Corporation. 511,559, June 28; Serial No. 521,752, published Mar. 15, 1949.

CLASS 27

Clocks. Chelsea Clock Company. 511,623, June 28; Serial No. 538,494, published Mar. 22, 1949.
Clocks. The Lux Clock Manufacturing Company. 511,557, June 28; Serial No. 521,198, published Mar. 22, 1949.
Clocks, and parts of clocks. The Lux Clock Manufacturing Company. 436,082–3, Jan. 20, 1948. Republished June 28.
Clocks and watches. Bulova Watch Company, Inc. 511,664, June 28; Serial No. 544,541, published Mar. 22, 1949.
Dial numerals and watch hands. Du Bern Company, Inc. 442,988, June 28; Serial No. 517,977, published Mar. 22, 1949.
Watch movements, and for watch parts. B. Jadow, Inc. 511,590, June 28; Serial No. 531,915, published Mar. 22, 1949.
Watches. Bulova Watch Company, Inc. 511,616, June 28; Serial No. 537,138, published Mar. 22, 1949.
Watches. Bulova Watch Company, Inc. 511,663, June 28; Serial No. 544,539, published Mar. 22, 1949.
Watches. E. Leichter. 511,656, June 28; Serial No. 542,956, published Mar. 22, 1949.
Watches and parts thereof. G. N. Wallace. 409,177, Sept. 19, 1944. Republished June 28.
Watches and watchcases. Bulova Watch Company, Inc. 511,665, June 28; Serial No. 544,543, published Mar. 22, 1949.
Watches, watch movements, watch cases, and clocks. Kerco Jewellery Limited. 511,686, June 28; Serial No. 547,735, published Mar. 22, 1949.

CLASS 28

Chains, Watch. Hickok Manufacturing Co. Inc. 511,681, June 28; Serial No. 547,545, published Mar. 22, 1949.
Compacts and cigarette cases, Gold plated and silver plated. J. V. Pfleger Mfg. Company. 511,592, June 28; Serial No. 532,056, published Mar. 22, 1949.
Flatware, hollow-ware, and jewelry, Silver plated. St. Louis Metalcrafts Inc. 511,573, June 28; Serial No. 527,180, published Mar. 22, 1949.
Flatware, hollow-ware, and jewelry, Sterling silver. St. Louis Metalcrafts Inc. 511,572, June 28; Serial No. 527,118, published Mar. 22, 1949.
Flatware, Sterling silver. The Elmore Silver Co., Inc. 511,563, June 28; Serial No. 523,658, published Mar. 22, 1949.
Flatware, Sterling silver. The Elmore Silver Co., Inc. 511,566, June 28; Serial No. 524,123, published Mar. 22, 1949.
Flatware, Sterling silver. The Elmore Silver Co., Inc. 511,567, June 28; Serial No. 524,389, published Mar. 22, 1949.
Hollow-ware and flatware. Glastonbury, Inc. 511,604, June 28; Serial No. 535,146, published Mar. 22, 1949.
Jewelry. Walter E. Hayward Co., Inc. 511,599, June 28; Serial No. 534,439, published Mar. 22, 1949.
Jewelry. Mazer Bros. Inc. 511,578, June 28; Serial No. 529,182, published Mar. 22, 1949.
Jewelry. Ostby and Barton Company. 511,605, June 28; Serial No. 535,176, published Mar. 22, 1949.
Jewelry. Swank, Inc. 511,654, June 28; Serial No. 542,681, published Mar. 22, 1949.
Jewelry, silver tableware, silver toilet ware, etc. B. Altman & Co. 263,476, Nov. 5, 1929. Republished June 28.
Rings, Finger. F. Goldman. 511,694, June 28; Serial No. 550,039, published Mar. 22, 1949.
Rings, Finger. Granat Bros., Inc. 511,656, June 28; Serial No. 542,917, published Mar. 22, 1949.
Rings, Finger. Granat Bros., Inc. 511,657, June 28; Serial No. 542,920, published Mar. 22, 1949.
Rings, Finger, diamond rings, wedding rings, etc. A. G. Rider. 511,544, June 28; Serial No. 506,896, published Mar. 22, 1949.
Rings, Wedding, jewelry settings and findings. The Precious Metals Specialties Company, Inc. 511,648, June 28; Serial No. 541,699, published Mar. 22, 1949.

CLASS 29

Brooms. Indianapolis Brush & Broom Mfg. Co. 168,091, Jan. 2, 1923. Republished June 28.
Brush, Denture. S. M. Edison. 233,620, Oct. 4, 1927. Republished June 28.
Brushes, Floor, wall brushes, yarn sweepers, etc. Palmer Company, Inc. 413,940, May 22, 1945. Republished June 28.
Tooth-brushes. A. Drabkin. 415,185, July 31, 1945. Republished June 28.

CLASS 31

Cabinets, Frozen food. The Pure Oil Company. 511,543, June 28; Serial No. 503,388, published Oct. 12, 1948.
Condensing units, coil-pan combinations, replacement and repair parts, etc. Melchior, Armstrong, Dessau Co. of Delaware, Inc. 511,568, June 28; Serial No. 524,549, published Mar. 22, 1949.
Drawers adapted for use in refrigerators, Storage. The Coolerator Company. 511,705, June 28; Serial No. 555,343, published Mar. 22, 1949.
Filters, Radiator, Inc. 511,661, June 28; Serial No. 544,246, published Mar. 22, 1949.

Filters, Air, and dust arrestors. Northern Blower Company. 511,591, June 28; Serial No. 531,934, published Mar. 15, 1949.
Filters, Oil, oil filter cartridges, oil bath air cleaners, etc. Ford Motor Company. 511,718, June 28; Serial No. 569,143, published Mar. 22, 1949.
Freezers, Electric ice cream. Chicago Electric Manufacturing Company. 511,613, June 28; Serial No. 536,666, published Mar. 15, 1949.
Refrigerators, Household electric; water coolers; electrically-operated oil filters, etc. Oakes & Company. 511,637, June 28; Serial No. 540,560, published Mar. 22, 1949.
Resins, Complex synthetic. Monsanto Chemical Company. 511,581, June 28; Serial No. 530,014, published Mar. 15, 1949.
Straining and filtering apparatus, Mechanical fluid. Diesel Filter Co. 442,972, June 28; Serial No. 466,608, published Mar. 15, 1949.
Water-demineralizers, Cartridge filter type. A. E. Tomkin. 511,036, June 28; Serial No. 540,342, published Mar. 22, 1949.
Water softening materials. Culligan Zeolite Company. 439,454, June 29, 1948. Republished June 28.

CLASS 32

Mattresses, box springs, and coil springs. Englander Spring Bed Co. 301,220, Feb. 21, 1933. Republished June 28.
Mattresses, box springs, pillows, studio couches, etc. Sleepmaster Products Company, Inc. 433,865, Nov. 4, 1947. Republished June 28.
Mattresses, pillows. Shreveport Mattress Company. 254,422, renewed Mar. 26, 1949. O. G. June 28.
Padding material, Upholstery, and mattress filling. Gustin-Bacon Manufacturing Company. 438,737, May 11, 1948. Republished June 28.

CLASS 34

Boilers, cooling and heating coils, expansion-valves, radiators, etc. American District Steam Company. 111,115, July 4, 1916. Republished June 28.
Boilers, House-heating, burning solid, liquid, or gaseous fuel. United States Radiator Corporation. 254,975, renewed Apr. 2, 1949. O. G. June 28.
Burners, Oil. Fluid Heat Division, Anchor Post Products, Inc. 511,610, June 28; Serial No. 535,839, published Mar. 8, 1949.
Burners, Oil. G. Strysko. 443,003, June 28; Serial No. 526,309, published Mar. 8, 1949.
Burners, Oil, and space heaters. U. S. Machine Corporation. 511,609, June 28; Serial No. 535,635, published Feb. 22, 1949.
Fans, Exhaust ventilating. The Eagle-Picher Company. 511,717, June 28; Serial No. 568,047, published Mar. 22, 1949.
Furnaces, Floor. Mahl Mfg. Co. 511,615, June 28; Serial No. 536,938, published Feb. 22, 1949.
Furnaces, Gas, oil, or coal, hot-air. Carrier-Lyle Corporation. 261,359, renewed Sept. 17, 1949. O. G. June 28.
Furnaces, Oil, gas, and coal fired warm air. Thatcher Furnace Company. 511,602, June 28; Serial No. 535,008, published Feb. 15, 1949.
Heat exchangers, Indirect water heaters, expansion tanks, etc. Bell & Gossett Company. 511,535, June 28; Serial No. 493,910, published Mar. 8, 1949.
Heaters, Water. Southern Heater Corporation. 511,594, June 28; Serial No. 532,351, published Mar. 8, 1949.
Heating equipment. Steel Products Engineering Company. 511,680, June 28; Serial No. 547,493, published Mar. 1, 1949.
Heating equipment or apparatus, Gas. Institute of Gas Heating Industries. 511,719, June 28; Serial No. 547,992, published Nov. 30, 1948.
Ranges and stoves, Gas. The Tappan Stove Company. 511,696, June 28; Serial No. 550,847, published Mar. 22, 1949.
Repair kit in the form of a card or a holder containing repair parts for a lighter for gas burners. Specialty Manufacturing Company. 511,600, June 28; Serial No. 534,561, published Jan. 18, 1949.
Return systems, Electrically powered boiler feed water and condensate, and industrial exhaust systems, etc. Detrex Corporation. 511,678, June 28; Serial No. 546,972, published Mar. 8, 1949.
Sheets of colored transparent and translucent heat and moistureproof plastic film, Thin. Transolene Corporation. 442,998, June 28; Serial No. 523,628, published Feb. 15, 1949.
Shields, Light, and cover glasses. Corning Glass Works. 511,585–6, June 28; Serial Nos. 530,480–70, published Mar. 8, 1949.
Stoves, adapted for use with gas fuel, Cooking. Norge Corporation. 316,317, Aug. 21, 1934. Republished June 28.
Ventilators, Forced draft wall and ceiling. Fan & Blower Corp. 443,002, June 28; Serial No. 526,211, published Mar. 22, 1949.
Welding, cutting, and soldering outfits and parts thereof, Acetylene. Dockson Corporation. 511,675, June 28; Serial No. 546,565, published Mar. 8, 1949.
Welding, cutting, and soldering outfits, etc., Acetylene. Dockson Corporation. 511,674, June 28; Serial No. 546,470, published Mar. 8, 1949.
Wicks. American Stove Company. 511,669, June 28; Serial No. 545,070, published Mar. 1, 1949.

CLASS 35

Friction materials. Raybestos-Manhattan, Inc. 438,541, Apr. 27, 1948. Republished June 28.
Gaskets and parts thereof, soft metallic and nonmetallic washers, etc. Victor Manufacturing & Gasket Company. 284,265, June 23, 1931. Republished June 28.

CLASS 37

Bond-paper, bank-note paper, document-paper, etc. Fox River Paper Company. 117,849, Aug. 7, 1917. Republished June 28.
Books, Blank, pads, shorthand note books, etc. National Blank Book Company. 317,908, Oct. 9, 1934. Republished June 28.
Forms, Blank. Bankers Printing Company. 260,944, renewed Sept. 3, 1949. O. G. June 28.
Loose-leaf structures. National Blank Book Co. 225,171, Mar. 15, 1927. Republished June 28.
Loose-leaf structures. National Blank Book Co. 225,957, Mar. 29, 1927. Republished June 28.
Paper. A. P. W. Paper Company, Inc. 311,124, Mar. 13, 1934. Republished June 28.
Paper, Bond, writing, ledger, and tablet. Hammermill Paper Company. 325,648, July 2, 1935. Republished June 28.
Paper impregnated or coated with materials. The Cleveland Liner & Manufacturing Company. 209,232, Feb. 16, 1926. Republished June 28.
Paper, Newsprint, book paper, bond paper, etc. International Paper Company. 267,198, renewed June 4, 1949. O. G. June 28.
Paper, Wrapping. Newark Paraffine & Parchment Paper Co. 436,000, Jan. 20, 1948. Republished June 28.
Paper, Writing. Fox River Paper Co. 120,091–2, Jan. 8, 1918. Republished June 28.
Tissues, Facial. The Personal Products Corporation. 396,420, July 14, 1942. Republished June 28.
Tissues, Facial and wiping. Sitroux Importing Co., Inc. 281,482, Mar. 17, 1931. Republished June 28.

CLASS 38

Bulletin, Technical data. Maas & Waldstein Company. 440,486, Sept. 7, 1948. Republished June 28.
Column, Newspaper. The Christian Science Publishing Society. 408,860, Aug. 29, 1944. Republished June 28.
Column, Weekly. The Register and Tribune Company. 415,557, Aug. 7, 1945. Republished June 28.
Magazine. The Society for the Preservation and Encouragement of Barber Shop Quartet Singing in America, Inc. 431,439, July 22, 1947. Republished June 28.
Magazines, Monthly. The Open Road Publishing Company. 260,821, Aug. 27, 1929. Republished June 28.
Magazines, printed programs, and printed musical compositions. The Society for the Preservation and Encouragement of Barber Shop Quartet Singing in America, Inc. 432,435, Sept. 2, 1947. Republished June 28.
Name of a daily newspaper. Sun Printing and Publishing Association. 229,985, July 12, 1927. Republished June 28.
Periodical. Actors' Equity Association. 258,094, renewed June 25, 1949. O. G. June 28.
Publication. King Features Syndicate, Inc. 274,001, Aug. 19, 1930. Republished June 28.
Publication, Annual. The Oskamp Nolting Co. 260,929, renewed Sept. 3, 1949. O. G. June 28.
Publication, Monthly. The Christian Science Publishing Society. 408,862, Aug. 29, 1944. Republished June 28.
Publications, Weekly. Florists' Publishing Company. 361,851, Nov. 1, 1938. Republished June 28.
Section, Newspaper. The Christian Science Publishing Society. 413,113, Apr. 10, 1945. Republished June 28.
Series of New York law digests and quarterly supplements. The Lawyers Co-Operative Publishing Co. 245,807, Aug. 21, 1928. Republished June 28.

CLASS 39

Articles of clothing. Andrew Baron Limited. 261,203, renewed Sept. 10, 1949. O. G. June 28.
Bathing suits. Jordan Manufacturing Corp. 435,285, Dec. 16, 1947. Republished June 28.
Boots and leather shoes, Leather, etc. Bradley-Goodrich Company, Inc. 254,901, renewed Apr. 2, 1949. O. G. June 28.
Boots and shoes. The H. C. Godman Company. 438,389, Apr. 20, 1948. Republished June 28.
Brassières, corsets, girdles, etc. Idol Associated Mills Incorporated. 307,201, May 9, 1939. Republished June 28.
Clothing, neckwear. The Hecht Company. 511,606, June 28; Serial No. 535,237, published Mar. 8, 1949.
Coats and sport coats, Women's. Greenspoon Clothing Co., Inc. 439,738, July 20, 1948. Republished June 28.
Coats, Ladies' mink. Ritter Bros. Inc. 511,715, June 28; Serial No. 563,000, published Feb. 22, 1949.
Dresses, blouses, skirts, Girls', etc. Gimbel Brothers, Inc. 511,614, June 28; Serial No. 536,685, published Mar. 8, 1949.

Dresses, Women's. Richey Juniors, Inc. 511,732, June 28; Serial No. 545,535.
Dresses, Women's and children's. Kansas City Textile Products Co. 511,720, June 28; Serial No. 496,388.
Dresses, Women's and misses'. J. A. & M. B. Kelley Co. 511,723, June 28; Serial No. 511,620.
Garters, suspenders, and belts, Men's. Globe Novelty House. 390,395, Sept. 23, 1941. Republished June 28.
Gloves, Ireland Bros. 316,873, Sept. 4, 1934. Republished June 28.
Hats, Ladies' and children's. Phil Dressner & Co., Inc. 244,543, renewed July 24, 1948. O. G. June 28.
Hats, Men's, women's and boys' fur felt. MacLachlan Hats Limited, Inc. 511,650, June 28; Serial No. 542,147, published Feb. 22, 1949.
Hats of felt, straw and cloth for men and women. The Crofut & Knapp Co. 176,268, Nov. 20, 1923. Republished June 28.
Heels and soles, Rubber. The Holtite Manufacturing Company. 238,370, renewed July 2, 1949. O. G. June 28.
Hosiery. Gotham Silk Mfg. Co. 91,959, June 10, 1913. Republished June 28.
Hosiery. Hanes Hosiery Mills Company, Inc. 366,382, Apr. 11, 1939. Republished June 28.
Hosiery. Northmont Hosiery Corporation. 397,957, Sept. 29, 1942. Republished June 28.
Hosiery. Quaker Hosiery Company, Inc. 258,386, July 9, 1929. Republished June 28.
Hosiery. Quaker Hosiery Company, Inc. 274,866, Sept. 9, 1930. Republished June 28.
Hosiery. Quaker Hosiery Company, Inc. 304,399, July 4, 1933. Republished June 28.
Hosiery. Quaker Hosiery Company, Inc. 370,900, Sept. 12, 1939. Republished June 28.
Hosiery and knitted underwear. The May Department Stores Company. 238,820, Feb. 14, 1928. Republished June 28.
Housecoats, playsuits, and handkerchiefs, Ladies' and misses'. Jno. W. Henson & Sons. 439,098, June 1, 1948. Republished June 28.
Jackets, capes, coats and stoles, Fur. Max Furs, Inc. 511,699, June 28; Serial No. 551,017, published Mar. 1, 1949.
Pants, Plastic baby, and plastic baby bibs. Kennedy Car Liner & Bag Co., Inc. 511,700, June 28; Serial No. 551,108, published Mar. 1, 1949.
Robes, Bath, sleeping bags; children's coats, etc. F. C. Huyck & Sons. 256,433, renewed May 14, 1940. O. G. June 28.
Shirts, Men's and boys' negligee, dress and work, pajamas, nightshirts, etc. Tyson Shirt Company. 248,604, Oct. 30, 1928. Republished June 28.
Shirts, Men's and boys' work, dress, and negligee, pajamas, etc. Tyson Shirt Company. 248,695, Oct. 30, 1928. Republished June 28.
Shirts, Sport. Well Made Bloomer Co., Inc. 348,012, July 13, 1937. Republished June 28.
Shoes. Brevitt Shoes Limited. 442,997, June 28; Serial No. 522,916, published Feb. 8, 1949.
Slippers and shoes. Bradley-Goodrich Company, Inc. 238,701, renewed Feb. 14, 1948. O. G. June 28.
Sportswear, Ladies' and girls'. Carr Manufacturing Company. 430,647, June 17, 1947. Republished June 28.
Suits, overcoats, topcoats, Men's, etc. Adolph Arons & Sons. 308,462, Dec. 5, 1933. Republished June 28.
Supporters, Hose. The Hawie Manufacturing Co. 330,391, Dec. 3, 1935. Republished June 28.
Sweaters and hosiery. Healthguard Knitwear Limited. 442,975, June 28; Serial No. 408,064, published Mar. 1, 1949.
Sweaters, mufflers, and cotton basque shirts. Lord Jeff Knitting Company, Incorporated. 409,004, Sept. 12, 1944. Republished June 28.
Sweaters, mufflers, and cotton basque shirts. Lord Jeff Knitting Company, Incorporated. 427,148, Jan. 28, 1947. Republished June 28.
Sweaters, mufflers, wristlets, etc. Lord Jeff Knitting Company, Inc. 403,473–4, Sept. 28, 1943. Republished June 28.
Underwear, Silk, knitted or textile fabrics, and hosiery for men, women, or children. Harrington & Waring. 258,514, renewed July 9, 1949. O. G. June 28.
Wear, Infants'. Butler Brothers. 360,901, Aug. 8, 1939. Republished June 28.

CLASS 40

Braids, Hat, and millinery braids. Henry Pollak, Inc. 511,735, June 28; Serial No. 557,062.
Jewelry, silver tableware, silver toilet ware, etc. B. Altman & Co. 263,476, Nov. 5, 1929. Republished June 28.

CLASS 41

Canes, parasols, and umbrellas. Knox Hat Company, Inc. 258,520, July 9, 1929. Republished June 28.

CLASS 42

Awning stripes and ticking. John Boyle & Company, Incorporated. 189,106, Sept. 9, 1924. Republished June 28.
Awning stripes and ticking. John Boyle & Company, Incorporated. 192,022, Nov. 25, 1924. Republished June 28.
Awning stripes and ticking. John Boyle & Company, Incorporated. 196,923, Mar. 31, 1925. Republished June 28.
Awning stripes and ticking. John Boyle & Company, Incorporated. 220,532, Nov. 9, 1926. Republished June 28.
Blankets, Bed, slumber throws, afghans, etc. F. C. Huyck & Sons. 255,814, renewed Apr. 30, 1949. O. G. June 28.
Blankets, Bed, slumber throws, afghans, etc. F. C. Huyck & Sons. 257,049, renewed May 28, 1949. O. G. June 28.
Curtains, Lace, and lace fabric in the piece. Quaker Lace Company. 306,417, Sept. 19, 1933. Republished June 28.
Duck and filter cloth in the piece, Cotton. John Boyle & Company, Incorporated. 267,413, Feb. 18, 1930. Republished June 28.
Ducks and drills, awning stripe and ticking, Unbleached, bleached, dyed, and colored cotton, etc. John Boyle & Company, Incorporated. 299,630, Dec. 13, 1932. Republished June 28.
Ducks and drills, Bleached, unbleached, dyed, etc., cotton; awning stripes; etc. 150,746, Jan. 10, 1922. Republished June 28.
Ducks and drills, etc., Unbleached, bleached, dyed, and colored cotton. John Boyle & Company, Incorporated. 319,468, Nov. 27, 1934. Republished June 28.
Fabric in the piece, Lace. Quaker Lace Company. 306,396, Sept. 19, 1933. Republished June 28.
Fabrics, Fluorescent. Gantner & Mattern Company. 440,230, Aug. 17, 1948. Republished June 28.
Piece fabrics, Cotton, woolen, linen, and silk. David Rothschild & Co. 199,363, June 9, 1925. Republished June 28.
Piece fabrics, Cotton, woolen, linen, and silk. David Rothschild & Co. 200,501, July 7, 1925. Republished June 28.
Piece goods, Belvedere Fabrics, Inc. 438,929, May 18, 1948. Republished June 28.
Piece goods, F. Bianchini. 255,251, renewed Apr. 16, 1949. O. G. June 28.
Piece goods, Lippitt Worsted Mills, Inc. 440,637, Sept. 14, 1948. Republished June 28.
Piece goods, Cotton. John S. Brown & Sons, Limited. 376,190, Mar. 12, 1940. Republished June 28.
Piece goods, Cotton. The Robertson Bleachery & Dye Works, Incorporated. 178,241–2, Jan. 8, 1924. Republished June 28.
Piece goods, Woolen. Forstmann & Huffmann Company. 153,446, Mar. 21, 1922. Republished June 28.
Piece goods, Woolen. Forstmann & Huffmann Company. 178,058, Jan. 8, 1924. Republished June 28.
Piece goods, Woolen. Forstmann & Huffmann Company. 201,497, July 28, 1925. Republished June 28.
Piece goods, Woolen. Forstmann & Huffmann Company. 270,556, May 6, 1930. Republished June 28.
Piece goods, Woolen. Forstmann & Huffmann Company. 276,062, Oct. 7, 1930. Republished June 28.
Piece goods, Woolen. Forstmann Woolen Company. 393,797, Mar. 3, 1942. Republished June 28.
Rugs. V'Soske Shops. 355,444, Mar. 15, 1938. Republished June 28.
Textile fabrics, Waterproofed. Plottel Brothers. 334,415, May 5, 1936. Republished June 28.

CLASS 44

Belts and parts thereof, Sanitary. Beltx Corporation. 261,096, renewed Sept. 3, 1949. O. G. June 28.
Diaphragm introducers. Ortho Pharmaceutical Corporation. 429,474, Apr. 29, 1947. Republished June 28.
Sanitary napkins. The May Department Stores Company. 230,539, Mar. 6, 1928. Republished June 28.

CLASS 45

Beverages, Non-alcoholic, non-cereal, maltless. G. Wolff. 438,898, May 18, 1948. Republished June 28.

CLASS 46

Bloaters, Smoked, smoked herring, salt codfish, etc. Gorton-Pew Fisheries Company, Ltd. 433,670, Oct. 28, 1947. Republished June 28.
Butter and eggs. National Tea Co. 511,666, June 28; Serial No. 544,754, published Mar. 8, 1949.
Butter, oleomargarine, eggs, etc. The Greene-Babcock Co. 248,203, Oct. 16, 1928. Republished June 28.
Cakes. H. C. Brill Company, Inc. 261,461, renewed Sept. 17, 1949. O. G. June 28.
Cakes. Gordon Baking Company. 256,692, renewed May 21, 1949. O. G. June 28.
Candies. Shotwell Mfg. Co. 177,241, Dec. 11, 1923. Republished June 28.
Candy. Abraham & Straus, Inc. 235,260, Nov. 15, 1927. Republished June 28.
Candy. P. C. Bragg. 511,731, June 28; Serial No. 544,250.
Candy. Crown Chocolate Co. 251,553, renewed Jan. 8, 1949. O. G. June 28.
Candy. D. Goldenberg, Inc. 412,359, Mar. 6, 1945. Republished June 28.
Canned and bottled fruits and vegetables, tea and coffee, etc. Abraham & Straus. 107,230, Nov. 16, 1915. Republished June 28.

Canned barbecued lima beans. B & G Food Products, Inc. 511,730, June 28; Serial No. 539,930.
Canned dog food. Pedrick Laboratories Inc. 304,714, July 18, 1933. Republished June 28.
Canned fish. Bristol Bay Packing Company. 442,981, June 28; Serial No. 508,783, published July 22, 1947.
Canned fish. Pacho, Limitada. 256,025, renewed May 7, 1949. O. G. June 28.
Canned food product. La Choy Food Products, Inc. 260,241, renewed Aug. 20, 1949. O. G. June 28.
Canned foods, tea, spices, etc. The C. Callahan Company. 440,726, Sept. 21, 1948. Republished June 28.
Canned fruits, canned vegetables, and canned hominy. Rob Roy Canning Company. 367,493, May 16, 1939. Republished June 28.
Canned fruits, canned vegetables, canned fruit juice, etc. Nash-Finch Company. 369,014, July 11, 1939. Republished June 28.
Canned ham, bacon, canned pork shoulder, etc. Trunz, Incorporated. 442,986, June 28; Serial No. 515,240, published Mar. 8, 1949.
Canned salmon. Bristol Bay Packing Company. 511,598, June 28; Serial No. 533,984, published June 1, 1948.
Canned soups, vegetables, fruits, etc. Springfield Grocer Company. 511,618, June 28; Serial No. 537,370, published Mar. 15, 1949.
Canned tomato cocktail sauce. McKeon Canning Co., Inc. 442,994, June 28; Serial No. 522,473, published Mar. 15, 1949.
Canned vegetables. Evans-Burtnett Company. 238,178, Jan. 31, 1928. Republished June 28.
Canned vegetables. Harrisburg Grocery Company. 383,954, Dec. 31, 1940. Republished June 28.
Canned vegetables, fruits, and berries, canned or boxed spices, etc. Bentley, Settle & Co, Inc. 442,987, June 28; Serial No. 515,814, published Mar. 9, 1948.
Celery Fresh, fresh carrots, and fresh onions. L. Marks. 251,269, renewed Jan. 1, 1949. O. G. June 28.
Cereal, Wheat breakfast. Omaha Flour Mills Company. 311,433, Mar. 20, 1934. Republished June 28.
Cheese. C. A. Carlson Company. 280,892, Mar. 3, 1931. Republished June 28.
Chewing gum. American Chewing Products Corp. 511,580, June 28; Serial No. 522,501, published Mar. 8, 1949.
Chocolate and cocoa and chocolate coating. Guittard Chocolate Co. 250,673, Dec. 11, 1928. Republished June 28.
Chocolate coating. Wilbur-Suchard Chocolate Company, Inc. 511,587, June 28; Serial No. 530,693, published Mar. 15, 1949.
Chocolates. Bradis & Gheens. 145,814, Aug. 16, 1921. Republished June 28.
Coffee. The Cook Coffee Company. 511,667, June 28; Serial No. 544,853, published Mar. 8, 1949.
Coffee, coffee and chicory compound, tea. Wm. B. Reily & Company, Inc. 260,215, renewed Aug. 20, 1949. O. G. June 28.
Concentrates, Fruit. Nell Products Inc. 511,556, June 28; Serial No. 519,892, published Mar. 8, 1949.
Confections, Frozen. Joe Lowe Corporation. 511,607, June 28; Serial No. 535,334, published Mar. 15, 1949.
Corn meal, rye flour, and prepared pancake flour. Omar Incorporated. 392,626, Dec. 30, 1941. Republished June 28.
Cream, Marshmallow. The Cremo Mfg. Co. 511,612, June 28; Serial No. 536,589, published Mar. 15, 1949.
Dog-biscuits. Champion Animal Food Company. 107,878, Jan. 4, 1916. Republished June 28.
Extracts, Food flavoring, and food flavors. H. Heiman. 442,985, June 28; Serial No. 515,177, published Mar. 15, 1949.
Feed, Cattle, and poultry feed. H. E. Delapp. 397,309, Sept. 1, 1942. Republished June 28.
Feed for livestock. M. J. Pritchard. 511,555, June 28; Serial No. 519,600, published Aug. 17, 1948.
Feeds, Livestock and poultry. May Way Feed Mills, Inc. 432,577, Sept. 9, 1947. Republished June 28.
Feeds, Livestock and poultry. U. S. Alfalfa Products Corporation. 436,256, Jan. 27, 1948. Republished June 28.
Feeds, Poultry, and stock feeds. Omaha Flour Mills Company. 292,883, Mar. 22, 1932. Republished June 28.
Flavoring compound. B. Heller & Company. 220,331, Nov. 9, 1926. Republished June 28.
Flavoring in liquid form. Vejin, Inc. 511,582, June 28; Serial No. 530,132, published Mar. 15, 1949.
Flour, Prepared pancake. Omar Incorporated. 391,406, Nov. 4, 1941. Republished June 28.
Flour, Wheat. Commander Milling Company. 259,924–5, renewed Aug. 13, 1949. O. G. June 28.
Flour, Wheat. C. H. Guenther & Son, Inc. 511,628, June 28; Serial No. 539,318, published Feb. 22, 1949.
Flour, Wheat. Hubbard Milling Company. 261,703, renewed Sept. 24, 1949. O. G. June 28.
Flour, Wheat. The Larabee Flour Mills Company. 257,829, renewed June 18, 1949. O. G. June 28.
Flour, Wheat. The Larabee Flour Mills Company. 258,281–2, renewed July 2, 1949. O. G. June 28.
Flour, Wheat. The Larabee Flour Mills Company. 260,743, renewed Aug. 27, 1949. O. G. June 28.
Flour, Wheat. Omaha Flour Mills Co. 123,380, Oct. 29, 1918. Republished June 28.
Flour, Wheat. Omaha Flour Mills Co. 129,038–40, Jan. 20, 1920. Republished June 28.
Flour, Wheat. Omaha Flour Mills Co. 130,220, Apr. 13, 1920. Republished June 28.
Flour, Wheat. Omaha Flour Mills Co. 157,730, Aug. 15, 1922. Republished June 28.
Flour, Wheat. Omaha Flour Mills Co. 232,987, Sept. 20, 1927. Republished June 28.
Flour, Wheat. Omar Incorporated. 394,174, Mar. 24, 1942. Republished June 28.
Flour, Wheat. Pillsbury Flour Mills Company. 256,758, renewed May 21, 1949. O. G. June 28.
Flour, Wheat. Pillsbury Flour Mills Company. 256,760, renewed May 21, 1949. O. G. June 28.
Flour, Wheat. Tacoma Grain Company. 76,314, Jan. 4, 1910. Republished June 28.
Flour, Wheat. Tacoma Grain Compay. 78,836, July 12, 1910. Republished June 28.
Flour, Wheat, whole-wheat flour, graham flour, etc. California Milling Corporation. 255,490, renewed Apr. 23, 1949. O. G. June 28.
Food, Dog. Security Mills, Inc. 438,540, Apr. 27, 1948. Republished June 28.
Fruit, Fresh citrus. Sunny Hills Ranch, Inc. 338,048, Aug. 25, 1936. Republished June 28.
Fruits, Fresh citrus. Brownsville Citrus Association. 511,548, June 28; Serial No. 514,177, published Mar. 8, 1949.
Fruits, Fresh citrus. Crafton Orange Growers Association. 511,668, June 28; Serial No. 544,980, published Mar. 8, 1949.
Fruits, Fresh citrus. Exeter Orchards Association. 402,870, Aug. 17, 1943. Republished June 28.
Fruits, Fresh citrus. Exeter Orchards Association. 403,468, Sept. 28, 1943. Republished June 28.
Fruits, Fresh citrus. Exeter Orchards Association. 418,005, Nov. 27, 1945. Republished June 28.
Fruits, Fresh citrus. Fillmore Packing Co. 218,073, Sept. 21, 1926. Republished June 28.
Fruits, Fresh citrus. Lovett & Kirk, Inc. 339,173–4, Sept. 29, 1936. Republished June 28.
Fruits, Fresh citrus. W. G. Roe. 259,466, renewed July 30, 1949. O. G. June 28.
Fruits, Fresh citrus. San Dimas Orange Growers Association. 252,210, Jan. 29, 1929. Republished June 28.
Fruits, Fresh citrus. San Dimas Orange Growers Association. 271,355, June 3, 1930. Republished June 28.
Fruits, Fresh citrus. San Fernando Fruit Growers Association. 511,542, June 28; Serial No. 502,535, published Mar. 15, 1949.
Fruits, Fresh citrus. Teague-McKevett Company. 247,019, Sept. 18, 1928. Republished June 28.
Fruits, Fresh citrus, and fresh tomatoes. Polls & Hagan. 511,558, June 28; Serial No. 521,465, published Mar. 15, 1949.
Fruits, Fresh deciduous, fresh citrus fruits, fresh grapes. Lucas Ranching Company. 260,139, renewed Aug. 20, 1949. O. G. June 28.
Gelatin preparation. The Frank Pure Food Co. 94,365, Dec. 2, 1913. Republished June 28.
Ice cream. The Leichtman Ice Cream Co. 511,670, June 28; Serial No. 545,134, published Mar. 8, 1949.
Lettuce, Fresh. Barker-Miller Distributing Company. 261,644, renewed Sept. 17, 1949. O. G. June 28.
Macaroni, spaghetti, and egg noodles. World Packing Company, Inc. 442,993, June 28; Serial No. 522,276, published Mar. 15, 1949.
Macaroni, spaghetti, vermicelli, etc. The John B. Canepa Company. 255,043, renewed Apr. 9, 1949. O. G. June 28.
Meats. F. Glaser. 364,527, Feb. 7, 1939. Republished June 28.
Molasses. Roddenbery Brothers. 276,227, Oct. 14, 1930. Republished June 28.
Nut-meats and unshelled nuts. The L. DeMartini Company. 511,554, June 28; Serial No. 519,264, published Mar. 15, 1949.
Nuts, Salted. Chunk-E-Nut Products Company. 511,672, June 28; Serial No. 545,618, published Mar. 8, 1949.
Pastes, Alimentary. V. Arena & Sons, Inc. 511,621, June 28; Serial No. 537,650, published Mar. 8, 1949.
Pickles, peanut butter, pickle relish, etc. Cairo Pickle Company. 345,905, May 11, 1937. Republished June 28.
Pickles, peanut butter, pickle relish, etc. Roddenbery Brothers. 346,157, May 18, 1937. Republished June 28.
Potato chips. E. V. Wise. 322,718, Mar. 19, 1935. Republished June 28.
Potato chips. E. V. Wise. 326,421, July 23, 1935. Republished June 28.
Potato chips. E. V. Wise. 327,911, Sept. 10, 1935. Republished June 28.
Potato chips. E. V. Wise. 334,000, Apr. 14, 1936. Republished June 28.
Powder for use in making ice cream and ices. B. Heller & Company. 82,602, July 11, 1911. Republished June 28.
Preparation used as an ingredient of bread or other dough products. J. R. Short Milling Company. 266,037, renewed Aug. 13, 1949. O. G. June 28.
Salt. Morton Salt Company. 511,639, June 28; Serial No. 540,699, published Mar. 8, 1949.

Sandwiches, Plain peanut butter, and cheese flavored peanut butter sandwiches. Austin Packing Co., Inc. 511,633, June 28; Serial No. 540,153, published Mar. 8, 1949.
Sandwiches, Plain peanut butter, cheese flavored peanut butter sandwiches, shortbread cookies, etc. Austin Packing Co., Inc. 511,632, June 28; Serial No. 540,152, published Mar. 8, 1949.
Sandwiches, Plain peanut butter, cheese flavored peanut butter sandwiches, shortbread cookies, etc. Austin Packing Co., Inc. 511,634, June 28; Serial No. 540,154, published Mar. 8, 1949.
Syrup, Table. Roddenbery Bros.. 225,033, Mar. 8, 1927. Republished June 28.
Syrup, Table, pickles, and peanut butter. W. B. Roddenbery Co. 365,834, Mar. 21, 1939. Republished June 28.
Tea. Safeway Stores, Incorporated. 511,638, June 28; Serial No. 540,589, published Mar. 8, 1949.
Vegetables, Fresh. G. Covert. 511,580, June 28; Serial No. 529,750, published Mar. 8, 1949.
Vinegar. Speas Manufacturing Co. 264,161, Nov. 10, 1929. Republished June 28.
Wheat-flour. Omaha Flour Mills Co. 134,048–9, Aug. 10, 1920. Republished June 28.
Wheat-flour. Omaha Flour Mills Co. 134,423, Aug. 31, 1920. Republished June 28.
Yeast preparation, Vitamin and mineral-containing. Deltafor Aktiebolag. 511,619, June 28; Serial No. 537,301, published Mar. 15, 1949.

CLASS 47

Champagne and wines. Vve. George Goulet & Cie. 304,706, July 18, 1933. Republished June 28.
Wine. T. G. Bright & Co. Limited. 311,410, Mar. 20, 1934. Republished June 28.
Wines. Inglenook Vineyard Co. 433,474–5, Oct. 14, 1947. Republished June 28.
Wines. Inglenook Vineyard Co. 438,515, Apr. 27, 1948. Republished June 28.
Wines. Widmer's Wine Cellars, Inc. 326,816, Aug. 6, 1935. Republished June 28.

CLASS 48

Ale. Liebmann Breweries, Inc. 400,866, Mar. 23, 1943. Republished June 28.
Beer. Liebmann Breweries, Inc. 325,064, June 11, 1935. Republished June 28.
Beverages, Malt. Liebmann Breweries, Inc. 317,362, Sept. 25, 1934. Republished June 28.
Beverages, Malt. Liebmann Breweries, Inc. 381,444, Sept. 24, 1940. Republished June 28.

CLASS 49

Alcohol, Pure ethyl. Pennsylvania Sugar Company. 255,046, renewed Apr. 9, 1949. O. G. June 28.
Gin. Corning Distilling Co. 234,589, Nov. 1, 1927. Republished June 28.
Whiskey. Jack Daniel Distillery, Lem Motlow, Prop., Inc. 441,002, Oct. 12, 1948. Republished June 28.
Whisky. Julian & Trower Limited. 440,089, Aug. 10, 1948. Republished June 28.
Whisky, Blended and rye, dry gin and sloe-gin, and rock and rye. David Nicholson Grocer Company. 99,351, Aug. 25, 1914. Republished June 28.
Whisky, Straight blended whisky, straight rye whisky, etc. David Nicholson Grocer Company. 98,888, Aug. 4, 1914. Republished June 28.

CLASS 50

Monuments, Granite. Cook, Watkins & Patch, Inc. 334,143, Apr. 21, 1936. Republished June 28.
Scaffold horses. D. Ashenfelter. 511,545, June 28; Serial No. 507,035, published Mar. 22, 1949.
Swatters, Fly. U. S. Manufacturing Corporation. 511,655, June 28; Serial No. 542,607, published Mar. 22, 1949.
Traps, Rodent. Animal Trap Company of America. 511,622, June 28; Serial No. 538,485, published Mar. 22, 1949.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF JUNE, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Borden, John A., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispenser. Re. 23,129, June 28.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Borden, John A.

Sperry Corporation, The, assignee: *See*—
Webber, Hugh E.

Tanner, Arthur W., Aldershot, England. Spoon, shovel, or the like implement with a pusher member. Re. 23,130, June 28.

Webber, Hugh E., Huntington, N. Y., assignor to The Sperry Corporation. Tuned microwave wattmeter. Re. 23,131, June 28.

LIST OF PLANT PATENTEES

Brownell, Josephine D., Little Compton, R. I. Rose plant. 840, June 28.

Duehrsen, Carl G., assignor to Howard & Smith, Montebello, Calif. Polyantha rose plant. 851, June 28.

Howard & Smith, assignee: *See*—
Duehrsen, Carl G.
Krebs, Alfred.

Krebs, Alfred, assignor to Howard & Smith, Montebello, Calif. Rose plant. 850, June 28.

Wilmore, Scott, Wheatridge, Colo. Juniper tree. 848, June 28.

LIST OF DESIGN PATENTEES

Ackermann, William E., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Tub or similar article. 154,226, June 28.

Allied Plastics Company, assignee: *See*—
Crane, Walton B., and Treiman.

Alvisua, Jose M., New York, N. Y. Nail file. 154,227, June 28.

Appleby, William, Brooklyn, N. Y. Perfume container. 154,228, June 28.

Aqua-Sportsman, Inc., assignee: *See*—
Pies, Othmar W.

Arbib, Richard H., Huntington Woods, Mich., assignor to United States Rubber Company, New York, N. Y. Valise or similar article. 154,229, June 28.

B. V. D. Corporation, The, assignee: *See*—
Eckstein, Bernard.

Baldanza, Nicholas T., Rutherford, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Front for a goggle frame. 154,230, June 28.

Banker, George R., Omaha, Nebr. Candelabrum. 154,231, June 28.

Bantam-Lite, Inc., assignee: *See*—
Schwartz, Sidney.

Barok, George D., Columbus, Ohio. Casing head for weighing scales or similar article. 154,232, June 28.

Bastien, Arthur D., Williamstown, Mass. Ring. 154,233, June 28.

Batsler, Anthony J., Milwaukee, Wis. Mailbox. 154,234, June 28.

Beatie, Charles D., assignee: *See*—
England, William B.

Beder, Samuel L., New York, N. Y. Football game toy. 154,235, June 28.

Bendix Aviation Corporation, assignee: *See*—
Davis, Earle R.

Benninghofen, Paul, trustee, assignee: *See*—
Katz, Russell.

Birtman Electric Company, assignee: *See*—
Karstadt, Clarence.

Booker, John W.: *See*—
Gepetur, Joseph M., Ebert, and Booker.

Brook, Franklin, and S. Wager, Long Island City, assignors to Bob Franklin, Inc., New York, N. Y. Badge or similar article. 154,236, June 28.

Brook, Franklin, and S. Wager, Long Island City, assignors to Bob Franklin, Inc., New York, N. Y. Badge or similar article. 154,237, June 28.

Brook, Franklin, and S. Wager, Long Island City, assignors to Bob Franklin, Inc., New York, N. Y. Badge or similar article. 154,238, June 28.

Brook, Franklin, and S. Wager, Long Island City, assignors to Bob Franklin, Inc., New York, N. Y. Badge or similar article. 154,239, June 28.

Chernow, Michael, New York, N. Y. Link chain for a bracelet or similar article. 154,240, June 28.

Clement, Theodore G.: *See*—
Schubert, Alvin E., Clement, and Egan.

Columbia Protektosite Co., Inc., assignee: *See*—
Baldanza, Nicholas T.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Cramer, Charles, assignor to The Cramer Chemical Company, Gardner, Kans. Rewinding device for bandage material. 154,241, June 28.

Cramer Chemical Company, The, assignee: *See*—
Cramer, Charles.

Crane, Walton B., Beverly Hills, and M. Treiman, assignors to Allied Plastics Company, Los Angeles, Calif. Garment hanger. 154,242, June 28.

Crawford, Howart H., Las Vegas, Nev. Grinder. 154,243, June 28.

D'Angelo, Gerald, New York, N. Y. Picture frame or similar article. 154,244, June 28.

Davidson, John F., Linden, N. J. Lamp. 154,245, June 28.

Davis, Earle R., Teaneck, assignor to Bendix Aviation Corporation, Teterboro, N. J. Carbon pile regulator or similar article. 154,246, June 28.

Day, Wilbur M.: *See*—
Millington, William, and Day.

Devlin, Leo J.: *See*—
Heinemann, Edward H., and Devlin.

Diesbach, Eleanor C., trustee, assignee: *See*—
Katz, Russell.

Doppelt, Charles, Chicago, Ill. Hand luggage case or the like. 154,247, June 28.

Douglas Aircraft Company, Inc., assignee: *See*—
Heinemann, Edward H., and Devlin.

Durbin, Neal E., Seattle, Wash. Cigarette package rack. 154,248, June 28.

Dutton, Charles F., Rocky River, Ohio. Projection lantern. 154,249, June 28.

Eastman Kodak Company, assignee: *See*—
Schubert, Alvin E., Clement, and Egan.

Ebert, Charles W.: *See*—
Gepetur, Joseph M., Booker, and Ebert.

Eckstein, Bernard, assignor to The B. V. D. Corporation, New York, N. Y. Printed fabric. 154,250, June 28.

Egan, John F.: *See*—
Schubert, Alvin E., Clement, and Egan.

Ehrenreich, Bernard, New York, N. Y. Sweater or similar article. 154,251, June 28.

Ehrenreich, Bernard, New York, N. Y. Sweater or similar article. 154,252, June 28.

Ehrenreich, Bernard, New York, N. Y. Sweater or similar article. 154,253, June 28.

Ehrenreich, Bernard, New York, N. Y. Sweater or similar article. 154,254, June 28.

England, William B., Oakland, assignor to C. D. Beatie, San Francisco, Calif. Combined toothbrush, container and holder. 154,255, June 28.

Ensign, Robert H., New York, N. Y., assignor to John A. Roebling's Sons Company, Trenton, N. J. Lawn mower. 154,256, June 28.

McCabe, John J., New York, N. Y. Ash tray or similar article. 154,295, June 28.

Miller, L. & Sons, Inc., assignee: *See*—
Levin, David E.

Sharits, Harry P., Denver, Colo. Wall bracket. 154,336, June 28.

Silverman, Howard A., Pittsburgh, assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 154,337, June 28.

Tracy, Mearl V., Pasadena, Calif. Radial saw support. 154,347, June 28.

Treiman, Morris: *See*—
Crane, Walton B., and Treiman.

Ensign, Robert H., New York, N. Y., assignor to John A. Roebling's Sons Company, Trenton, N. J. Lawn mower. 154,256, June 28.

Eatrin, Richard, Hewlett, N. Y. Bottle. 154,257, June 28.

Franklin, Bob, Inc., assignee: *See*—
Brook, Franklin, and Wager.

Frontier, Albert E., Des Plaines, Ill. Hurricane lamp. 154,258, June 28.

Gapstur, Joseph M., and R. E. Long, Ashland, Ohio. Rubber play ball. 154,259, June 28.

Gapstur, Joseph M., C. W. Ebert, and J. W. Booker, Ashland, Ohio. Rubber play ball. 154,260, June 28.

Gilmore, Burdette B., Pelham Manor, assignor to West Disinfecting Company, Long Island City, N. Y. Liquid dispensing valve. 154,261, June 28.

Giovagnoni, Violet, New York, N. Y. Negligee. 154,262, June 28.

Goldberg, Maurice, Paris, France. Flask. 154,263, June 28.

Goldman, Philip O., Pittsburgh, Pa. Stand of drawers. 154,264, June 28.

Gottlieb, Joseph, New York, N. Y. Combination tobacco humidor and pipe tray. 154,265, June 28.

Graham, Elizabeth N., New York, N. Y. Perfume display box. 154,266, June 28.

Hamre, Marion R., Oceanside, N. Y. Textile fabric or similar article. 154,267, June 28.

Hamre, Marion R., Oceanside, N. Y. Textile fabric or similar article. 154,268, June 28.

Hamre, Marion R., Oceanside, N. Y. Textile fabric or similar article. 154,269, June 28.

Hawn, Clarence L., St. Paul, Minn. Holder for brooms or the like. 154,270, June 28.

Heim, Jacob G., San Gabriel, Calif. Guard for child's chair. 154,271, June 28.

Heim, Jacob G., San Gabriel, Calif. Tray for child's chair. 154,272, June 28.

Heinemann, Edward H., and L. J. Devlin, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplane. 154,273, June 28.

Heller, George P., Kansas City, Mo. Combination ramp identification and driveway flood light for drive-in theatres or the like. 154,274, June 28.

Hettrick Manufacturing Company, The, assignee: *See*—
Smith, William I.

Horn, Howard, New York, N. Y. Textile fabric. 154,275, June 28.

Johns-Manville Corporation, assignee: *See*—
Van Cleef, Feliz.

Jones, Stanley E., Cleveland, Ohio. Swing or similar article. 154,276, June 28.

Karlen, Lena, Great Neck, N. Y. Combined toe protector and metatarsal support. 154,277, June 28.

Karstadt, Clarence, Glen Ellyn, Ill., assignor to Birtman Electric Company. Electric iron. 154,278, June 28.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 154,279, June 28.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Pin clip or similar article. 154,280, June 28.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 154,281, June 28.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Finding for jewelry. 154,282, June 28.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 154,283, June 28.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 154,284, June 28.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 154,285, June 28.

Katz, Russell, assignor to P. Benninghofen, and E. C. Diesbach, Hamilton, Ohio, trustees. Autographic register. 154,286, June 28.

Kauffman, Jack, Los Angeles, and R. V. Smith, Glendale, Calif. Holder for condiment containers. 154,287, June 28.

Kennedy, Grace E., Toronto, Ontario, Canada. Ironing cabinet. 154,288, June 28.

Lankford, Harry G., Jr., Wichita, Kans. Heating stove. 154,289, June 28.

Levin, David E., Brooklyn, assignor to I. Miller & Sons, Inc., Long Island City, N. Y. Lady's shoe or similar article. 154,290, June 28.

Levin, Jacob, New York, N. Y. Beverage dispenser. 154,291, June 28.

Litvin, Abraham, New Haven, Conn. Spoon or other article of flatware. 154,292, June 28.

Long, Richard E.: *See*—
Gapatur, Joseph M., and Long.

Markoe, Jacob, Brooklyn, assignor to Select Jewelry Mfg. Co. Inc., Long Island City, N. Y. Toy article-dispensing device. 154,293, June 28.

Marlow, Nicholas, Chicago, Ill. Memorandum pad or similar article. 154,294, June 28.

Mason-Williams Company: *See*—
Warner, Michael M.

Mayer China Company, assignee: *See*—
Silverman, Howard A.

McCabe, John J., New York, N. Y. Ash tray or similar article. 154,295, June 28.

Miller, I., & Sons, Inc., assignee: *See*—
Levin, David E.

Millington, William, Grand Rapids, Mich., and W. M. Day, Norwood, assignors to The Baldwin Company, Cincinnati, Ohio. Piano. 154,296, June 28.

Mock, Thomas M., and H. H. Weber, Beverly Hills, Calif. Carpet sweeper. 154,297, June 28.

Montanye, Carlyle N., Baltimore, Md. Calendar stand or similar article. 154,298, June 28.

Morgan, Jack, assignor to Price Brothers, Inc., Chicago, Ill. Display sign. 154,299, June 28.

Morris, Bert M., Los Angeles, Calif. Letter tray or similar article. 154,300, June 28.

Negbaur, H., & Co., assignee: *See*
Negbaur, Harry.

Negbaur, Harry, assignor to H. Negbaur & Co., New York, N. Y. Table lighter. 154,301, June 28.

Offord, Donald T.: *See*—
Sechrist, Elwood K., and Offord.

Palmquist, Norman E., Topeka, Kans. Lighting fixture. 154,302, June 28.

Pavlinetz, George, Carteret, N. J. Garden tool. 154,303, June 28.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 154,304, June 28.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 154,305, June 28.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 154,306, June 28.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 154,307, June 28.

Pies, Othmar W., Cincinnati, assignor to Aqua-Sportsman, Inc., Norwood, Ohio. Fishing reel. 154,308, June 28.

Price Brothers, Inc., assignee: *See*—
Morgan, Jack.

Price, Rebecca C.: *See*—
Price, Stanley W. and R. C.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cookie cutter. 154,309, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cookie cutter. 154,310, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cookie cutter. 154,311, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cookie cutter. 154,312, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cookie cutter. 154,313, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. cookie cutter. 154,314, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cookie cutter. 154,315, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cookie cutter. 154,316, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cookie cutter. 154,317, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cookie cutter. 154,318, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cookie cutter. 154,319, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cookie cutter. 154,320, June 28.

Price, Stanley W. and R. C., Oklahoma City, Okla. Cookie cutter. 154,321, June 28.

Ramsay, Charles F., Toronto, Ontario, Canada. Sales meter register. 154,322, June 28.

Reed, James H., Detroit, Mich. Child's teeter. 154,323, June 28.

Reid, Patricia, Chicago, Ill. Toe nail polishing device. 154,324, June 28.

Roberts, Henry T., assignor to United States Vending Corporation, Chicago, Ill. Dispensing machine. 154,325, June 28.

Roebling's, John A., Sons Company, assignee: *See*—
Ensign, Robert H.

Roysher, Hudson B., Los Angeles, Calif. Nonrolling torque tool handle. 154,326, June 28.

Russell, Alfred R., St. Clair Shores, Mich. Automobile hood ornament. 154,327, June 28.

Ryan, John E., Danbury, Conn. Tile floor and wall covering. 154,328, June 28.

Schiff, Ann R., Columbus, Ohio. Combined handbag and spectacle holder. 154,329, June 28.

Schipper, Maurice J., San Diego, Calif. Combined cigarette holder and dispenser. 154,330, June 28.

Schnitger, Wilbert F., Waukesha, and E. C. Southall, Milwaukee, Wis. Brake adjusting tool. 154,331, June 28.

Schubert, Alvin E., T. G. Clement, and J. F. Egan, assignors to Eastman Kodak Company, Rochester, N. Y. Document copying apparatus. 154,332, June 28.

Schwartz, Sidney, assignor to Bantam-Lite, Inc., New York, N. Y. Wrist flashlight or similar article. 154,333, June 28.

Seager, Amanda S., Glendale, Calif. Silverware polishing stand. 154,334, June 28.

Sechrist, Elwood K., and D. T. Offord, Detroit, Mich. Tongs. 154,335, June 28.

Select Jewelry Mfg. Co. Inc., assignee: *See*—
Markoe, Jacob.

Sharits, Harry P., Denver, Colo. Wall bracket. 154,336, June 28.

Silverman, Howard A., Pittsburgh, assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 154,337, June 28.

Simplex Typewriter Company, Inc., assignee: *See*—
Thompson, Samuel A.

Smith, Richard V.: *See*—
Kauffman, Jack, and Smith.

Smith, Thomas J., Seattle, Wash. Pin-up lamp. 154,338, June 28.

Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Juvenile vehicle. 154,339, June 28.

Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Juvenile vehicle. 154,340, June 28.

Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Juvenile vehicle. 154,341, June 28.

Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Juvenile vehicle. 154,342, June 28.

Smith, William I., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Juvenile vehicle. 154,343, June 28.

Southall, Earl C.: *See*—
Schnitger, Wilbert F., and Southall.

Stapler, David, Philadelphia, Pa. Textile fabric. 154,344, June 28.

Thompson, Samuel A., assignor to Simplex Typewriter Company, Inc., New York, N. Y. Typewriter. 154,345, June 28.

Thompson, Virginia C., Arlington County, Va. Enema tray. 154,346, June 28.

Tracy, Mearl V., Pasadena, Calif. Radial saw support. 154,347, June 28.

Treiman, Morris: *See*—
Crane, Walton B., and Treiman.

Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.

Tupper, Earl S., Upton, Mass. Pitcher. 154,348, June 28.

United States Rubber Company, assignee: *See*—
Arbib, Richard H.

United States Vending Corporation: *See*—
Roberts, Henry T.

Van Cleef, Feliz, Chicago, Ill., assignor to Johns-Manville Corporation, New York, N. Y. Display stand. 154,350, June 28.

Wager, Stanley: *See*—
Brook, Franklin, and Wager.

Warner, Michael M., Winnetka, assignor to Mason-Williams Company, Chicago, Ill. Game table top. 154,351, June 28.

Weber, Harold H.: *See*—
Mock, Thomas M., and Weber.

Weil, Joe: *See*—
Zitenfield, Abraham, and Weil.

West Disinfecting Company, assignee: *See*—
Gilmore, Burdette B.

Wetterhahn, Siegbert, New York, N. Y. Table lamp. 154,352, June 28.

Wheeling Steel Corporation, assignee: *See*—
Ackermann, William E.

Zitenfield, Abraham, and J. Weil, New York, N. Y. Toll coin or token device for automobiles. 154,353, June 28.

Zitenfield, Abraham, and J. Weil, New York, N. Y. Toll coin or token device for automobiles. 154,354, June 28.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF JUNE, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbiati, Furio A.: *See*—
Healy, John J., Jr., Taylor, and Abbiati.

Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Bobbin holder for spinning and twisting frames. 2,474,210, June 28.

Abbott, Furman S., Montclair, N. J., assignor to Airkem, Inc., New York, N. Y. Vaporizer. 2,474,563, June 28.

Abbott Machine Company, assignee: *See*—
Abbott, Edward J.

Aff, Albert E., South San Francisco, Calif. Hot dog machine. 2,474,390, June 28.

Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Ramage, William D.
Ward, Wilfred H., and Binkley.

Air Control Products, Inc., assignee: *See*—
Babcock, Kenneth L.

Airdesign, Incorporated, assignee: *See*—
Pamphilon, Leon E.

Airkem, Inc., assignee: *See*—
Abbott, Furman S.
Nicolet, Constant E.
Wheeler, William H., and Wamnes.

Air Reduction Company, Incorporated, assignee: *See*—
Slottman, George V.

Aitcheson, Thomas G., Kenmore, and A. A. Gradisar, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Pivotal mounting means for microscope arms and the like. 2,474,644, June 28.

Ajax Engineering Corporation, assignee: *See*—
Tama, Mario, and Hoff.

Allen, Bernard: *See*—
Lopez, Rufino, and Allen.

Allen, Harold F., De Witt, assignor to S. F. Hancock, Syracuse, N. Y. Jiggering machine for forming articles of plastic clay. 2,474,509, June 28.

Allied Appliance Co.: *See*—
Lovick, John B.

Allis-Chalmers Manufacturing Company, assignee: *See*—
Ray, James L.

American Cyanamid Company, assignee: *See*—
Bean, James J.
Dixon, James K.
Hardy, William B., and E. M.

American Optical Company, assignee: *See*—
Aitcheson, Thomas G., and Gradisar.

American Phenolic Corporation, assignee: *See*—
Kearse, George P.

American Steel Foundries, assignee: *See*—
Flesch, Norman.

American Steel Package Company, The, assignee: *See*—
Behringer, Grover F.

American Telephone and Telegraph Company, assignee: *See*—
Dorr, Gilbert G.

American Viscose Corporation, assignee: *See*—
Coleman, Melvin B., and Bennington.
Shearer, Howard E., and Van Nest.

Amsler, Robert, assignor to Landis & Gyr, A.-G., Zug, Switzerland. Heat regulating apparatus. 2,474,798, June 28.

Amstutz, James B., Oak Park, and O. E. Fieroh, assignors to Crane Co., Chicago, Ill. Air operated chuck. 2,474,771, June 28.

Amyot, Adelard, Montreal, Quebec, Canada. Refrigerator. 2,474,452, June 28.

Anderson, Frank R., South Hampton, N. H., assignor to The Bailey Company, Inc., Amesbury, Mass. Weather strip. 2,474,409, June 28.

Aparicio, Luis R., Madrid, Spain. Variable filter screen. 2,474,712, June 28.

Applegate, Earl, Frankfort, Ind. Take-up of electric cords. 2,474,566, June 28.

Applegate, Lindsay M., Portland, Oreg. Vacuum apparatus for impregnating floors. 2,474,567, June 28.

Armco Steel Corporation, assignee: *See*—
Vaughn, Bernard G., and Fell.

Armitage, James A., Houston, Tex. Hydraulic fishing tool. 2,474,453, June 28.

Armour and Company, assignee: *See*—
Atkisson, Minton S., and Schneider.

Arthur, James L., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,474,510, June 28.

Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Unloading valve. 2,474,772, June 28.

Atkisson, Minton S., Wilmette, and A. E. Schneider, Itasca, assignors to Armour and Company, Chicago, Ill. Intestine splitting machine. 2,474,299, June 28.

Atlantic Refining Company, The, assignee: *See*—
Hersberger, Arthur B.
Hersberger, Arthur B., and Helligmann.

Attorney General of the United States, Vested in the: *See*—
Muller, Jacques.

Auble, Arthur J., Ord, Nebr. Marquise or canopy for buildings. 2,474,713, June 28.

Aue, Georg, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Multistage compressor. 2,474,410, June 28.

Autographic Register Company, assignee: *See*—
Borchers, William G.

Autoyre Company, Incorporated, The, assignee: *See*—
Kurti, Alexander.

Avco Manufacturing Corporation, assignee: *See*—
Vutz, Wilhelm.

Averna, Frank, Ridgewood, N. Y. Cigarette locking hinge for cigarette cases. 2,474,714, June 28.

Avery, Ralph L., Oakland, Calif. Electrical plug. 2,474,454, June 28.

Babcock, Kenneth L., Muskegon, assignor to Air Control Products, Inc., Coopersville, Mich. Air duct control. 2,474,455, June 28.

Babson, Robert D., assignor to Merck & Co., Inc., Rahway, N. J. Preparing substituted propionic acids. 2,474,715, June 28.

Back, Raymond R., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge device. 2,474,211, June 28.

Bacon, Thomas P.: *See*—
Daum, John L., McCloud, and Bacon.
McCloud, Robert B., Daum, and Bacon.

Bacon, Thomas P., Jr., Oakland, Calif. Device for applying new tread material to tires. 2,474,511, June 28.

Bailey Company, Inc., The, assignee: *See*—
Anderson, Frank R.

Baker, William R., Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Radiation detector. 2,474,773, June 28.

Baldwin Locomotive Works, The, assignee: *See*—
Hyde, Lawrence K.

Band, Harald H., Kew Gardens, N. Y. Ball point fountain pen. 2,474,300, June 28.

Bannon, Lewis A., Baton Rouge, La., assignor to Standard Oil Development Company. Dilution and hydrolysis of diethyl sulfate solutions. 2,474,566, June 28.

Bannon, Lewis A., Baton Rouge, La., and C. E. Morrell, Westfield, N. J., assignors to Standard Oil Development Company. Dilution and hydrolysis of diethyl sulfate solutions. 2,474,568, June 28.

Barnett, J. H., Son and Company Limited, assignee: *See*—
Barnett, Joseph H.

Barnett, Joseph H., assignor to J. H. Barnett, Son and Company Limited, Birmingham, England. Cocking mechanism for bolt action rifles. 2,474,456, June 28.

Barney, Arthur L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of vinyl isocoumarans with ethylenically unsaturated compounds and obtaining same. 2,474,612, June 28.

Barney, Arthur L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of vinyl isocoumarans with styrenes and obtaining same. 2,474,613, June 28.

Barney, Arthur L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of vinyl isocoumarans with 1,3-dienes and obtaining same. 2,474,614, June 28.

Barth, Robert M., Bronxville, assignor to The FR Corporation, New York, N. Y. Belt disengaging device. 2,474,457, June 28.

Batten, Percy H., assignee, trustee: *See*—
Boestad, Gustav K. W.
Lyxholm, Alf.

Baxter, Stanley M., Burlington, Mass. Producing stannic oxide. 2,474,645, June 28.

Bean, James J., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Heavy-media separation apparatus. 2,474,774, June 28.

Beaudoin, Rose, Westmount, Quebec, Canada. Hat carrier. 2,474,458, June 28.

Bechtold, Ira C., Whittier, F. M. Stephens, Los Angeles, and C. Newman, Hollywood, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Pulsation elimination in fluid streams. 2,474,512, June 28.

Beck, Julius S., Los Angeles, Calif. Jar. 2,474,459, June 28.

Beechlyn, John T., Worcester, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Salt-water battery. 2,474,716, June 28.

Beeck, Otto A.: *See*—
Smith, Albert E., and Beeck.

Behrens, Paul H., Alhambra, Calif. Bracket attachment for motor vehicle windows. 2,474,513, June 28.

Behringer, Grover F., assignor to The American Steel Package Company, Defiance, Ohio. Split stator. 2,474,646, June 28.

Belcher, Harold H., Orange, Mass., assignor to Rodney Hunt Machine Co. Process and apparatus for tensionless handling of running lengths of materials. 2,474,717, June 28.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Ellis, William C., La Forge, Jr., and White.
Mason, Warren P.
Pease, Reginald M.
Howard, Stanley B.

Beloit Iron Works, assignee: *See*—
Mortensen, Robert W.

Bel-Ray Company, Inc., assignee: *See*—
Moxley, Auben E.

Benco, George F., Philadelphia, Pa. Comb. 2,474,212, June 28.

Bender, Samuel, Shreveport, La. Swing suspension. 2,474,718, June 28.

Bendix Aviation Corporation, assignee: *See*—
Collins, John E.
Dickey, John W., and Henry.
Divoll, Richard L.
Fell, William F., and Smith.
Gilbert, Samuel.
Miller, Donald L.

Bendix Home Appliances, Inc., assignee: *See*—
Erler, Walter C.

Bennington, Jesse R.: *See*—
Coleman, Melvin B., and Bennington.

Berger, Earl O.: *See*—
Robinson, Lawrence R., and Kyle I., and Berger.

Bergstein, Frank D., assignee: *See*—
Bergstein, Samuel.

Bergstein, Robert M., assignee: *See*—
Bergstein, Samuel.

Bergstein, Samuel, Cincinnati, Ohio, assignor to R. M. Bergstein and F. D. Bergstein, trustees. Producing packing structures. 2,474,891, June 28.

Berkworth, Frederick C., Verona, N. J. Reclaiming the hydrocarbon content of used hydrocarbon lubricants. 2,474,411, June 28.

Berkworth, Frederick C., Verona, N. J. Soapless-germicidally active detergent. 2,474,412, June 28.

Beutel, Ralph H., Newark, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Method for separating the stereoisomers of α-hydroxy-β,β-dimethyl-gamma-butyrolactone. 2,474,719, June 28.

Billeter, Henry R., Highland Park, Ill. Tool-operating attachment. 2,474,720, June 28.

Bittner, Karl P., Philadelphia, Pa., assignor to Vacuum Concrete Inc Vacuum mold for molding concrete and the like. 2,474,721, June 28.

Bilt-Rite Baby Carriage Co., Inc., assignee: *See*—
Schwarzbaum, Hartley D.

Binkley, Charles H.: *See*—
Ward, Wilfred H., and Binkley.

Binney, Eric A., Ilkley, assignor to The English Electric Company Limited, London, England. Speed control of dynamoelectric machines. 2,474,647, June 28.

Binney, Eric A., Ilkley, assignor to The English Electric Company Limited, London, England. Dynamoelectric machine. 2,474,648, June 28.

Birdseye, Clarence, assignor to Dehydration, Inc., Gloucester, Mass. Treatment of vegetable tissue. 2,474,649, June 28.

Birdseye, Clarence, assignor to Dehydration, Inc., Gloucester, Mass. Treatment of vegetable tissue. 2,474,650, June 28.

Birney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Pallet or skid for lifting trucks or the like. 2,474,460, June 28.

Black, James F., Roselle, N. J., assignor to Standard Oil Development Company. Increasing the acomaticity of hydrocarbon oil. 2,474,213, June 28.

Black, James F., Roselle, N. J., assignor to Standard Oil Development Company. Preparation of zinc aluminate spinel catalyst. 2,474,214, June 28.

Blaha, Emil, Cheltenham assignor to Seias Corporation of America, Philadelphia, Pa. Firing the chambers of kilns. 2,474,301, June 28.

Blaw-Knox Company, assignee: *See*—
West, Carl H.

Blicke, Frederick F., Washtenaw County, assignor to Regents of the University of Michigan, Ann Arbor, Mich. Basic-alkyl esters and their salts. 2,474,651, June 28.

Block, Emil V., Stratford, assignor to United Aircraft Corporation, East Hartford, Conn. Bending frames pivotally connected by stretch producing hinges. 2,474,652, June 28.

Blume, Herbert E., Tripoli, Iowa. Adjustable walking aid. 2,474,722, June 28.

Boestad, Gustav K. W., Lidingo, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis. Helical gear compressor or motor. 2,474,653, June 28.

Bogema, Richard E., assignor to The Sturgis Products Company, Sturgis, Mich. Closure fastener for tumbling barrels. 2,474,461, June 28.

Boose, Elmer S., Tampa, Fla. Shuffleboard cue. 2,474,723, June 28.

Borchers, William G., assignor to Autographic Register Company, Hoboken, N. J. Method and apparatus for simultaneously securing together and perforating paper webs. 2,474,775, June 28.

Borg-Warner Corporation, assignee: *See*—
Putnam, Henry B.
Zeidler, Reinhold C.

Boudreaux, Emile V., Los Angeles, Calif. Combination comb and file. 2,474,570, June 28.

Brakeley, Paul W., Jr.: *See*—
Young, David W., and Brakeley.

Brakeley, Paul W., Jr., Plainfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Low-temperature polymerization process. 2,474,571, June 28.

Breese Burners, Inc., assignee: *See*—
Huston, Milton D.

Breivogel, Philip J., Glen Ridge, assignor to White Laboratories, Inc., Newark, N. J. Reduction of ketones. 2,474,216, June 28.

Brenneke, Arthur M., New Castle, Ind., assignor to Perfect Circle Corporation. Piston ring. 2,474,413, June 28.

Brewer, John A., Kalamazoo, Mich., assignor, by decree of distribution, to R. A. Brewer. Musical instrument. 2,474,462, June 28.

Brewer, Rozelda A., assignee: *See*—
Brewer, John A.

Brooks, William B.: *See*—
Waggoner, Alvin G., and Brooks.

Brose, Horace B., and L. D. Brose, Chicago, Ill. Child's shampoo board. 2,474,572, June 28.

Brose, Lazetta D.: *See*—
Brose, Horace B. and L. D.

Budd Company, The, assignee: *See*—
Stever, William.

Bundy Tubing Company, assignee: *See*—
Payne, Arthur W.

Burden, Morton, Jr., Sewickley, Pa. Grenade fuse. 2,474,217, June 28.

Burden, Royal L., assignor of one-eighth to R. L. Dix, Springfield, and one-eighth to T. Q. Dix, Dayton, Ohio. Fly reel seat. 2,474,343, June 28.

Bureau, Arthur L., U. S. Navy. Belt loader. 2,474,218, June 28.

Burgess, Laurence E.: *See*—
May, Walter M., and Burgess.

Burkard, Perle N., and R. McNabney, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Preparing a water-soluble beryllium compound. 2,474,392, June 28.

Burks, George E., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Vehicle suspension. 2,474,514, June 28.

Burrell, Ellis, Cook County, Ill., assignor to the United States of America as represented by the Secretary of the Navy. Wiring pencil. 2,474,463, June 28.

Busignies, Henri G., Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation. Pulse generating system. 2,474,219, June 28.

Busquet, Jan C., assignor to Machinefabriek Gebr. Stork & Co. N. V., Hengelo, Netherlands. Coupling cooling. 2,474,615, June 28.

Butler, Gray L.: *See*—
Spender, Donald L., and Butler.

Butler, Matthew B., assignee: *See*—
Graves, Michael, and Lankovski.

C-O-Two Fire Equipment Co., assignee: *See*—
Cahusac, Clarence N.

Cabes, Lucien A. B.: *See*—
De Vriendt, Charles, and Cabes.

Cabes, Lucien, A. B., Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Pulse receiving circuit. 2,474,220, June 28.

Cable, Richard G., Oakdale, Blackwood, England. Pit prop and the like. 2,474,464, June 28.

Cahusac, Clarence N., assignor to C-O-Two Fire Equipment Co., Newark, N. J. Smoke detector and signal for ducts. 2,474,221, June 28.

Camp, Elza Q.: *See*—
Viles, Prentiss S., and Camp.

Campbell, Arthur W., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Hexanebisdibutylamide as plasticizer for butadiene-acrylonitrile co-polymer. 2,474,776, June 28.

Carboloy Company, Inc., assignee: *See*—
Webb, Clarence D.

Carborundum Company, The, assignee: *See*—
McMullen, John C.

Carling, Wilfrid H., Westmont, Quebec, Canada. Measuring instrument. 2,474,466, June 28.

Carlson, David F., Gobles, Mich. Manufacturing artificial stone walls. 2,474,654, June 28.

Carlton, Carl A., Fort Worth, Tex. Device for filing type matrices. 2,474,465, June 28.

Carpenter, John A., Waban, Newton, Mass. Multihole punch. 2,474,344, June 28.

Carrell, Ross M., assignee: *See*—
Himmel, Loran B.

Carrier, Hermenegilde P., Charlestown, Mass. Split ring retainer extractor. 2,474,222, June 28.
Carroll, Guy B., Minneapolis, Minn. Retractable clothesline hanger. 2,474,655, June 28.
Carter, Helen B., Forest, Va. Diaper support. 2,474,724, June 28.
Carter, Peter G., Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of chloropyrenes. 2,474,777, June 28.
Case, J. I., Company, assignee: *See*—
Russell, Stanley D.
Castiglia, Biagio, assignor to Wheel Aligning Necessities, Inc., New York, N. Y. Toe gauge. 2,474,616, June 28.
Caterpillar Tractor Co., assignee: *See*—
Burke, George E.
Davis, James M.
Cathodeon Limited, assignee: *See*—
Liebmann, Gerhard.
Cavalier, Salvatore A., Orlando, Fla. Bracket for shades, curtains, and draperies. 2,474,414, June 28.
Celanese Corporation of America, assignee: *See*—
Seymour, George W., Salvin, and Jones.
Sutherland, Frederick F., and Stearn.
Centrifugal & Mechanical Industries, Inc., assignee: *See*—
Howe, Andrew F.
Chevigny, Paul G., Paris, France, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Electron tube. 2,474,223, June 28.
Clancy, Gilbert E., assignor to Drayer-Hanson, Los Angeles, Calif. Reversible cycle heat pump. 2,474,304, June 28.
Clapp, Edwin A.: *See*—
Keir, James M., and Clapp.
Clark, Alfred, and H. R. Sailors, Bartlesville, Okla., assignors to Phillips Petroleum Company. Recovery of hydrocarbons from oil shale. 2,474,345, June 28.
Clark, Harry C., Jr., Belvidere, Ill. Safety jack base. 2,474,725, June 28.
Clark, Trevor H., Boonton, N. J., assignor to International Standard Electric Corporation, New York, N. Y., Electronic switch. 2,474,224, June 28.
Clarke, Thomas F., executor: *See*—
Ingoldby, Maurice K.
Clasen, John H.: *See*—
Evans, Russell T., and Clasen.
Claus, Walter B., Van Nuys, Calif., assignor, by mesne assignments, to Howe & Fant, Inc., South Norwalk, Conn. Ratchet mechanism. 2,474,656, June 28.
Clayton Manufacturing Company, assignee: *See*—
Griswold, Donald G.
Cline, Edward T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of artificial fibers. 2,474,617, June 28.
Cobb, Neal L., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Generating clutch teeth for extended intimate contact. 2,474,393, June 28.
Cohen, Abe H., Pittsburgh, Pa. Game board of the lotto type. 2,474,573, June 28.
Cohen, Louis, assignee: *See*—
Wasserman, Arthur J.
Cole, Percy W., executor: *See*—
Ingoldby, Maurice K.
Coleman, Gerald H., Freeland, and P. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. Making liquid carbohydrate-rich foods resistant to microorganisms. 2,474,226, June 28.
Coleman, Gerald H., and P. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. Making carbohydrate foods resistant to microorganisms. 2,474,227, June 28.
Coleman, Gerald H., and P. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. Making proteinaceous and fatty foods resistant to microorganisms. 2,474,228, June 28.
Coleman, Gerald H., and P. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. Retarding growth of microorganisms in light alcoholic beverages. 2,474,229, June 28.
Coleman, Melvin B., and J. R. Bennington, Roanoke, Va., assignors to American Viscose Corporation, Wilmington, Del. Wax applicator for yarns, threads, and the like. 2,474,346, June 28.
Colgate-Palmolive-Peet Company, assignee: *See*—
Ittner, Martin H.
Collins, John E., Belleville, assignor to Bendix Aviation Corporation, Teterboro, N. J. Flexible drive. 2,474,347, June 28.
Commercial Solvents Corporation, assignee: *See*—
Campbell, Arthur W.
Morey, Glen H.
Senkus, Murray.
Tryon, Philip F.
Congoleum-Nairn Inc., assignee: *See*—
Corson, Ralph.
Conley, Arthur W., Shaker Heights, assignor to The Heater Corporation, Cleveland, Ohio. Heating apparatus. 2,474,467, June 28.
Cook, James M., and R. C. Lang, assignors to Kalamazoo Stove and Furnace Company, Kalamazoo, Mich. Cooking stove broiler and door assembly. 2,474,225, June 28.
Cornelius, James R., Coventry, England. Supporting of casements. 2,474,468, June 28.
Corson, Ralph, Arlington, N. J., assignor to Congoleum-Nairn Inc. Roll packaging means. 2,474,657, June 28.
Cox, David C., assignor to Electric Sorting Machine Company, Grand Rapids, Mich. Two-dimensional photoelectric sorting. 2,474,230, June 28.
Cox, William J., Woodruff, Utah. Tire tool. 2,474,515. June 28.
Craddock, James E., Richmond, Va. Oil heater for hot-water furnaces. 2,474,574, June 28.
Craig, Gillison, assignor to Riley Stoker Corporation, Worcester, Mass. Beater element for pulverizing apparatus. 2,474,305, June 28.
Crane Co., assignee: *See*—
Anastis, James B., and Fleroh.
Crompton & Knowles Loom Works, assignee: *See*—
Krukonis, Alexander C.
Turner, Richard G.
Crosley, Ralph V., Pacoima, Calif. Sliding ball hitch for automobiles. 2,474,231, June 28.
Cross, Leonard W., Warwood, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Backed lath and manufacture thereof. 2,474,778, June 28.
Crouch, Leonard W.: *See*—
Henry, James E., and Crouch.
Croxall, Willard J.: *See*—
Neher, Harry T., Kroeker, and Croxall.
Curtis, Helene, Industries, Inc., assignee: *See*—
Whyte, John.
Cutler-Hammer, Inc., assignee: *See*—
Fath, Douglas W.
Kuhn, Clarence W.
Czerner, Severin F., Kings Mill, Tex. Variable displacement radial vane rotary motor. 2,474,348, June 28.
Dacey, Mary M., executor, assignee: *See*—
Moore, Thomas F.
Dach, Max, Flushing, N. Y. Safety control device. 2,474,232, June 28.
D'Amico, Sebastiano, assignee: *See*—
Parilla, Daniel.
Daniel, Walter, assignor to The Troy Sunshade Company, Troy, Ohio. Tractor umbrella. 2,474,516, June 28.
Danner, Edward, Newark, Ohio. Glassware-forming apparatus. 2,474,302, June 28.
Daum, John L.: *See*—
McCloud, Robert A., Danm, and Bacon.
Daum, John L., Oakland, R. A. McCloud, and T. P. Bacon, San Leandro, Calif. Apparatus for heating tires. 2,474,517, June 28.
Davies, James M., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Internal-combustion engine oil cooling means. 2,474,518, June 28.
Davis, Richard M., Oklahoma City, Okla., assignor to Standard Oil Development Company. Oscillographic recording apparatus. 2,474,803, June 28.
Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Selector brush. 2,474,233, June 28.
Degering, Edward F., La Fayette, Ind., and G. van Blema, Jackson Heights, N. Y., assignors to Purdue Research Foundation, La Fayette, Ind. Azo compounds from 1-di-n-butylamino-2-nitro-butane. 2,474,779, June 28.
Degering, Edward F., La Fayette, Ind., and G. van Blema, Jackson Heights, N. Y., assignors to Purdue Research Foundation, La Fayette, Ind. Azo compounds from 1-N-morpholino-2-nitro propane. 2,474,780, June 28.
Dehydration, Inc., assignee: *See*—
Birdseye, Clarence.
De la Grange, Charles, El Monte, Calif. Poultry drip fountain. 2,474,469, June 28.
De la Source, Charles, Paris, assignor to Societe: Les Fils de Peugeot Freres, Valentigney, France. Drill holder and like tool. 2,474,726, June 28.
De Nie, Willem L. J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of vinyl chloride. 2,474,206, June 28.
Denier, James C., Cincinnati, Ohio. Rail fitting. 2,474,727, June 28.
Desmone, John A.: *See*—
Kohl, John C., and J. A. Desmone.
De Vriendt, Charles, and L. A. B. Cabes, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Electrical signal transmission system. 2,474,234, June 28.
Deyrup, Alden J., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dielectric strength test for capacitors. 2,474,416, June 28.
Dickey, John W., and M. M. Henry, Elmira, assignors to Bendix Aviation Corporation, Elmira Heights, N. Y. Electromagnetic pump. 2,474,349, June 28.
Dilworth, Richard M., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Heating and ventilating system. 2,474,394, June 28.
Divoll, Richard L., Maywood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Altitude control. 2,474,618, June 28.
Dix, Russell L., assignee: *See*—
Burden, Royal L.
Dix, Tira Q., assignee: *See*—
Burden, Royal L.
Dixon, James K., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Producing pyrazine by catalytic dehydrogenation of piperazine. 2,474,781, June 28.

Dixon, James K., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Catalytic dehydrogenation of piperazine. 2,474,782, June 28.
Dodge, Merton L., Seattle, Wash. Belt shifting mechanism. 2,474,470, June 28.
Doherty, Herbert W.: *See*—
Watter, Michael, and Doherty.
Dolan, Charles H., II, Old Greenwich, Conn. Shock absorber and stabilizer. 2,474,471, June 28.
Doran, Alfred A., assignee: *See*—
Golden, Sue.
Doran, Lafayette, Scranton, Pa. Reversible bearing. 2,474,728, June 28.
Dorr, Gilbert G., Nashville, Tenn., assignor to American Telephone and Telegraph Company. Type pallet aligning jig. 2,474,658, June 28.
Doub, Leonard, assignor to Parke, Davis & Company, Detroit, Mich. Cellulosic products. 2,474,306, June 28.
Dow Chemical Company, The, assignee: *See*—
Coleman, Gerald H., and Wolf.
Dow Corning Corporation, The, assignee: *See*—
Taylor, Ambrose G.
Thayer, Mary E.
Dow, William G.: *See*—
Early, Harold C., Dow, and Ohlson.
Doyle, Charles C., Willoughby, Ohio. Domestic electric heater. 2,474,472, June 28.
Drayer-Hanson, assignee: *See*—
Clancy, Gilbert E.
Dresser, Oscar C., Arlington, Va., O. Norgorden, Washington, D. C., F. J. Shanahan, Alexandria, and C. R. Shuler, Stanley, Va. Pneumatic impact device. 2,474,235, June 28.
Drzewiecki, Joseph, Algonac, Mich. Lock for automobile doors. 2,474,519, June 28.
Du Bois, Jesse E., New York, N. Y. Bottle support. 2,474,416, June 28.
Dubost, Paul: *See*—
Durel, Pierre, and Dubost.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Barney, Arthur L.
Cline, Edward T.
Deyrup, Alden J.
Durbin, Lauretta H., assignor of fifty per cent to M. M. Durbin, Casper, Wyo. Novelty ornament. 2,474,236, June 28.
Durbin, Miner M., assignee: *See*—
Durbin, Lauretta H.
Durel, Pierre, and P. Dubost, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Insulin preparations. 2,474,729, June 28.
Dzus, William, West Islip, N. Y. Fastener. 2,474,799, June 28.
Early, Harold C., Beaverton, and W. G. Dow and R. Ohlson, Ann Arbor, assignors to General Motors Corporation, Detroit, Mich. High-frequency transformer. 2,474,395, June 28.
Eastman Kodak Company, assignee: *See*—
Weissberger, Arnold, Salminen, and Vittum.
Ebert, Ludwig, New York, assignor to Elnson-Freeman Co., Inc., Long Island City, N. Y. Foldable display device and easel. 2,474,659, June 28.
Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Preparation of tertiary alkyl sulfenamides. 2,474,237, June 28.
Eck, Myron Y., and J. J. Hodapp, Dayton, Ohio. Single nail loop antenna. 2,474,238, June 28.
Eger, Laszlo W.: *See*—
Weidner, Charles L., and Eger.
Ellerman, George E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Polysulfone resin plasticized with ester of organic sulfonic acid. 2,474,350, June 28.
Elnson-Freeman Co., Inc., assignee: *See*—
Ebert, Ludwig.
Ekco Products Company, assignee: *See*—
Jackson, Joseph G.
Electric Sorting Machine Company, assignee: *See*—
Cox, David C.
Electrol Incorporated, assignee: *See*—
Ashton, Benjamin N.
Electrolux Corporation, assignee: *See*—
Wahlberg, Eric C.
Ellis, William C., Maplewood, N. J., and L. H. La Forge, Jr., San Bernardino, Calif., and A. H. White, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ballast lamp. 2,474,473, June 28.
English Electric Company Limited, The, assignee: *See*—
Binney, Eric A.
Erler, Walter C., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Ironer shoe and table. 2,474,351, June 28.
Espinasse, Gustave H. G. and J. P. C., Ales Gard, France. Ice cream machine with perforated screw agitator. 2,474,730, June 28.
Espinasse, Jean P. C.: *See*—
Espinasse, Gustave H. G., and J. P. C.
Evans, Russell T., and J. H. Clasen, Anaheim, assignors to A. M. Mellen, Whittier, Calif. Two-way plow. 2,474,731, June 28.
Everett Piano Company, assignee: *See*—
Stapely, George H.
FR Corporation, The, assignee: *See*—
Barth, Robert M.
F-R Machine Works, assignee: *See*—
Hollstein, Oswald C.
Fairchild Camera and Instrument Corporation, assignee: *See*—
Rattray, George.
Fairley, Frank: *See*—
Hodgson, Kenneth G., and Fairley.
Farrell, Robert A., and C. L. Wagner, Menasha, assignors to Marathon Paper Mills Company, Rothschild, Wis. Heat-sealable sheet material. 2,474,619, June 28.
Fath, Douglas W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Coiling machine controller. 2,474,620, June 28.
Favre, Marcel G., Wettingen, assignor to "Patelhold" Patentverwertungs-& Elektro-Holding A.-G., Glarus, Switzerland. Heating device for hot cathode tubes. 2,474,575, June 28.
Federal Telephone and Radio Corporation, assignee: *See*—
Busignies, Henri G.
Chevigny, Paul G.
Garrison, Kenton K.
Grieg, Donald D.
Hampshire, Robert A.
Lapham, Edmund F., Jr.
Leet, George R.
Leibe, Frank A., and Mahler.
Litton, Charles V.
Marchand, Nathan.
Martinez, Clement.
Master, Warren S.
Nordlin, Henry G.
Oatlund, Evert M., and Sokoloff.
Pickles, Sidney B.
Young, Norman H., Jr.
Federico, Joseph, Newark, N. J. Toothbrush sterilizer. 2,474,621, June 28.
Fedotoff, Nicholas V., Lynbrook, N. Y., assignor to Hazeltine Research, Inc., Chicago, Ill. Master-slave system. 2,474,576, June 28.
Feild, Bert D.: *See*—
Tittlett, Stanley H.
Fell, William F., and E. S. Smith, Hasbrouck Heights, assignors to Bendix Aviation Corporation, Teterboro, N. J. Automatic control system for dynamoelectric machines. 2,474,732, June 28.
Fell, William V.: *See*—
Vaughn, Bernard G., and Fell.
Fellows Gear Shaper Company, The, assignee: *See*—
Cobb, Neal L.
Williamson, James L.
Ferche, Joseph, Chicago, Ill. Rail fastener. 2,474,352, June 28.
Fleroh, Otto E.: *See*—
Amstutz, James B., and Fleroh.
Fitzpatrick, Frank L., East Malvern, Victoria, assignor to Rocla Limited, Springdale, Victoria, Australia. Manufacture of prestressed concrete pipe and the like. 2,474,660, June 28.
Fleming, Cornelius S., Los Angeles, Calif. Bronzing materials. 2,474,520, June 28.
Fleming, Edward C.: *See*—
Fleming, William E. and E. C.
Fleming, William E., Cedar Rapids, Iowa. Device for sharpening cutlery. 2,474,623. June 28.
Fleming, William E. and E. C., Cedar Rapids, Iowa. Device for sharpening cutlery. 2,474,622, June 28.
Flesch, Norman, assignor to American Steel Foundries, Chicago, Ill. Brakehead balancing device. 2,474,239, June 28.
Fluor Corporation, Ltd., The, assignee: *See*—
Bechtold, Ira C., Stephens, and Newman.
Marsh, Earle S.
Stephens, Foster M.
Stephens, Foster M., and Yates.
Foerste, William, Pelham Manor, N. Y.; A. Kane, administratrix of said William Foerste, deceased, assignor of one-half to E. A. Quarrie, Scarsdale, N. Y. Compensated magnetic-leakage-type transformer. 2,474,624, June 28.
Fogarty, John G., Rochester, N. Y. Tire chain and mounting device therefor. 2,474,521, June 28.
Folb, Henry: *See*—
Silbert, Sidney, and Folb.
Folke, Bengt E., Mamaroneck, and R. H. Shepard, assignors to Nathan Manufacturing Company, New York, N. Y. Lubricating device. 2,474,661, June 28.
Fort Wayne Tool, Die and Engineering Company, assignee: *See*—
Nill, Richard G.
Fossa, Joseph, Salem, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,474,307, June 28.
Franck, Kurt, and V. S. Wince, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y. Surface attached lighting equipment. 2,474,308, June 28.
Franco-Ferreira, Edgard C.: *See*—
Lambert, Albert L., and Franco-Ferreira.
Frick Company, assignee: *See*—
Spoonhour, Charles L.
Friedman, Herbert, Arlington, Va. Focusing X-ray monochromator. 2,474,240, June 28.

Friend, Albert W., Cambridge, Mass., assignor to Radio Corporation of America. Electron discharge device. 2,474,241, June 28.
Frost, Thomas, Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,658, June 28.
Fuller, Calvin S., Bay City, Mich., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductive translating device. 2,474,242, June 28.
Gaines, Robert, Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,659, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,660, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,661, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,662, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,663, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,664, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,665, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,666, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,667, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,668, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,669, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,670, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,671, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,672, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,673, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,674, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,675, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,676, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,677, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,678, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,679, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,680, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,681, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,682, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,683, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,684, June 28.
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Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,688, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,689, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,690, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,691, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,692, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,693, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,694, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,695, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,696, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,697, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,698, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,699, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,700, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,701, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,702, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,703, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,704, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,705, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,706, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,707, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,708, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,709, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,710, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,711, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,712, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,713, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,714, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,715, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,716, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,717, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,718, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,719, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,720, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,721, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,722, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,723, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,724, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,725, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,726, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,727, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,728, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,729, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,730, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,731, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,732, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,733, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,734, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,735, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,736, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,737, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,738, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,739, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,740, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,741, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,742, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,743, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,744, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,745, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,746, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,747, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,748, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,749, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,750, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,751, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,752, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,753, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,754, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,755, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,756, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,757, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,758, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,759, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,760, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,761, June 28.
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Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,764, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,765, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,766, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,767, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,768, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,769, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,770, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,771, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,772, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,773, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,774, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,775, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,776, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,777, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,778, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,779, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,780, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,781, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,782, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,783, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,784, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,785, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,786, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,787, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,788, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,789, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,790, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,791, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,792, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,793, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,794, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,795, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,796, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,797, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,798, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,799, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,800, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,801, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,802, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,803, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,804, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,805, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,806, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,807, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,808, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,809, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,810, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,811, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,812, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake. 2,474,813, June 28.
Gallagher, Thomas J., Jr., Cleveland, Ohio. Fluid pressure brake

Friend, Albert W., Cambridge, Mass., assignor to Radio Corporation of America. Power recovery circuit for cathode-ray apparatus deflection systems. 2,474,474, June 28.

Fuller, Reginald C., Brighton, England. Electric pressure indicator. 2,474,662, June 28.

Gaines, Charles, Vallejo, Calif. Music sheet turner. 2,474,522, June 28.

Gallagher, William S., Brantford, Ontario, Canada. Self-feeding paste floor wax applier. 2,474,733, June 28.

Gancer, Charles E., Oak Park, Ill. Try square. 2,474,577, June 28.

Garrett Corporation, The, assignee: *See*—
Ramsaur, Walter R.

Garrison, Kenton K., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Piezoelectric crystal structures. 2,474,241, June 28.

General American-Duryea Corporation, assignee: *See*—
Wieden, Herbert J., Traphagen, and Stoner.

General Aniline & Film Corporation, assignee: *See*—
Slifkin, Sam C.

General Controls Co., assignee: *See*—
Ray, William A.

General Electric Company, assignee: *See*—
Gilliam, William F.
Hiehle, Michael E.
Thomas, Charles A.

General Motors Corporation, assignee: *See*—
Arthur, James L.
Dilworth, Richard M.
Early, Harold C., Dow, and Ohlsson.
Groves, Ronald C.
Hook, Flavis E., and Riggs.
Lovell, Wheeler G., Miller, Mulligan, and Lichtenwainer.
Van Degrift, Thomas C.
Short, Brooks H., and Hartzell.

Gerow, Theron G., Chicago, Ill. Opposed-roll crusher with interlocking teeth of graduated heights. 2,474,625, June 28.

Gidley, Philip T., Fairhaven, Mass., assignor, by mesne assignments, to Standard Oil Development Company. Weather resistant composition. 2,474,306, June 28.

Gieringer, Carl K., Long Branch, N. J. Adjustable antenna. 2,474,242, June 28.

Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starter apparatus. 2,474,784, June 28.

Gillen, George A., Bronx, N. Y. Heating apparatus for burning a liquid fuel spray. 2,474,417, June 28.

Gillett, Harry: *See*—
Potter, Raymond I., and Gillett.

Gilliam, William F., Schenectady, N. Y., assignor to General Electric Company. Chlorinated methylchlorosilanes and their hydrolysis products. 2,474,578, June 28.

Gludice, Gennaro, assignee: *See*—
Ruis, Ramon A.

Glasgow, Clarence O., assignor to National Tank Company, Tulsa, Okla. Dehydrator. 2,474,475, June 28.

Gluck, Fred C., assignor to Minerva Wax Paper Company, Minerva, Ohio. Carton. 2,474,783, June 28.

Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Remote-control system for selectively controlling a plurality of adjustable elements. 2,474,663, June 28.

Godon, Wilmot W.: *See*—
Lipman, Maurice S., and Godon.

Golden, Sue, assignor to Alfred A. Doran, New York, N. Y. Dispenser for facial tissues. 2,474,784, June 28.

Goldstine, Hallan E., and O. F. Voigt, Port Jefferson Station, N. Y., assignors to Radio Corporation of America. Electrical connector. 2,474,310, June 28.

Goodman, William A., Atlanta, Ga. Armature winding machine. 2,474,353, June 28.

Goodrich, B. F., Company, The, assignee: *See*—
Hollerith, Charles.

Goulds Pumps, Inc., assignee: *See*—
Mann, John.

Grabeau, Walter G., West Roxbury, Mass. Electric heating system. 2,474,664, June 28.

Gradisar, Albin A.: *See*—
Aitcheson, Thomas G., and Gradisar.

Graham, Philip J., assignor to Trig Corporation, Worcester, Mass. Hinged casing structure. 2,474,311, June 28.

Graves, Michael, and A. Lankovski, Los Angeles, Calif., assignors to Matthew B. Butler, Chicago, Ill. Shovel attachment for self-loading trucks. 2,474,418, June 28.

Greenberg, Elebert E.: *See*—
Todd, Willis L., and Greenberg.

Greenwald, Lewis, Neptune, N. J. Line pulse modulator. 2,474,243, June 28.

Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Amplitude modulated time modulated pulse system. 2,474,244, June 28.

Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Remote-control means for valves. 2,474,355, June 28.

Groves, Ronald C., assignor to General Motors Corporation, Detroit, Mich. Injection pump. 2,474,396, June 28.

Guanella, Gustav, Zurich, assignor to "Patelhold" Patentvertungs- & Electro-Holding A. G., Glarus, Switzerland. Automatic frequency control circuits. 2,474,354, June 28.

Guarino, Frank J., assignee: *See*—
Guarino, John R.

Guarino, John R., assignor of one-fourth to Frank J. Guarino, one-fourth to Vincent T. Guarino, and one-fourth to Louis J. Guarino, Brooklyn, N. Y. Pneumatic blood treating apparatus. 2,474,665, June 28.

Guarino, Louis J., assignee: *See*—
Guarino, John R.

Guarino, Vincent T., assignee: *See*—
Guarino, John R.

Gullett Gin Company, assignee: *See*—
Wallace, Jeffrey J.

Gunning, Alfred, Houston, Tex. Spring-driven screw driver. 2,474,620, June 28.

Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Carton. 2,474,476, June 28.

Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Triple-edge reclosing carton. 2,474,523, June 28.

Haantjes, Johan, and B. W. van I. Schenau, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for producing a saw-tooth current in the deflection coil of a cathode-ray tube and for producing a direct voltage for this tube. 2,474,666, June 28.

Hague, Floyd T., Drexel Hill, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulverized fuel distributor for burner nozzles. 2,474,477, June 28.

Hainke, Paul W., Hutchinson, Kans., assignor, by mesne assignments, to William H. Hainke. Power lawn mower. 2,474,524, June 28.

Hainke, William H., assignee: *See*—
Hainke, Paul W.

Hale, Jesse R., Berkley, Mich. Fuel injection apparatus. 2,474,419, June 28.

Halpern, Gregory, New York, assignor to Polychrome Corporation, Yonkers, N. Y. Stylus. 2,474,312, June 28.

Halstead, Paul R.: *See*—
Yount, Stanley G., and Halstead.

Hamilton, Horace, assignee: *See*—
Hurley, Walter G.

Hampshire, Robert A., West Caldwell, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Null measuring bridge. 2,474,245, June 28.

Hancock, Stewart F., assignee: *See*—
Allen, Harold F.

Hansen, Ingwald B.: *See*—
Kleppen, Emil, and Hansen.

Hardison, Julian B., assignor to D. M. Harman, Burlington, N. C. Attachment for hosiery machines. 2,474,246, June 28.

Hardy, Elizabeth M.: *See*—
Hardy, William B. and E. M.

Hardy, William B. and E. M., Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Printing with sulfuric esters of leuco vat dyestuffs. 2,474,785, June 28.

Harman, David M., assignee: *See*—
Hardison, Julian B.

Harmon, William S., Elizabeth, assignor to Merck & Co., Inc., Rahway, N. J. Dehydration of compounds by distillation with hydrophobic oil. 2,474,735, June 28.

Harris, Ernest W., Detroit, Mich. Electrical distribution jack. 2,474,356, June 28.

Harry, Lloyd A.: *See*—
Warden, Alva F., and Harry.

Hart, Joseph L., Jr., Chickasha, Okla. Air cleaning apparatus. 2,474,478, June 28.

Hartford-Empire Company, assignee: *See*—
Weatin, Daniel B.

Hartford National Bank and Trust Company, assignee, as trustee: *See*—
Haantjes, Johan, and van Ingen Schenau.
Spoor, Theodorus A.

Hartzell, Herman L.: *See*—
Short, Brooks H., and Hartzell.

Harvey, Robert L., Detroit, Mich. Speedboat hull. 2,474,667, June 28.

Hastings Manufacturing Company, assignee: *See*—
Phillips, Harold P.

Hattan, Mark, Dayton, Ohio. Signal type torque indicating wrench. 2,474,247, June 28.

Haug, Eugene H., Glencoe, assignor to Modern Controls, Inc., Chicago, Ill. Control for vapor discharge tubes and electric arcs. 2,474,525, June 28.

Haynes, Elizabeth E., Brighton, Mass. Drill grinder. 2,474,357, June 28.

Hazeltine Research, Inc., assignee: *See*—
Fedotoff, Nicholas V.
Wheeler, Harold A.

Healy, John J., Jr., Brookline, M. H. Taylor, Stoneham, and F. A. Abbiati, Longmeadow, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Pickling of stainless steels. 2,474,526, June 28.

Heater Corporation, The, assignee: *See*—
Conley, Arthur W.

Heiligmann, Randall G.: *See*—
Hersberger, Arthur B., and Heiligmann.

Heintz Manufacturing Company, assignee: *See*—
Lambert, Albert L., and Franco-Ferreira.

Heisner, Donald A., assignor to The Lorain County Radio Corporation, Lorain, Ohio. Remote-control system. 2,474,527, June 28.

Helfenbein, Richard C.: *See*—
Zabel, William C. P., and Helfenbein.

Hendrix, John F., Monday, Tex. Hoe stand. 2,474,579, June 28.

Henne, Julius A., Rochester, assignor to Webster Industries, Inc., Webster, N. Y. Fastening means for camera covers. 2,474,397, June 28.

Henry, James E., and L. W. Crouch, Dayton, Ohio. Photogrammetric caliper. 2,474,248, June 28.

Henry, Millard M.: *See*—
Dickey, John W.

Herbolsheimer, Roger C., Garrett, Ind. Furniture. 2,474,668, June 28.

Héreng, André, Paris, France. Cellulose saccharidication. 2,474,669, June 28.

Heritage, Clark C., Cloquet, assignor to Wood Conversion Company, St. Paul, Minn. Surface fluxing coated liner. 2,474,398, June 28.

Hersberger, Arthur B., Drexel Hill, assignor to The Atlantic Refining Company, Philadelphia, Pa. Polymerization of olefinic hydrocarbons with Friedel-Crafts catalysts. 2,474,671, June 28.

Hersberger, Arthur B., Drexel Hill, and R. G. Heiligmann, Yeadon, assignors to The Atlantic Refining Company, Philadelphia, Pa. Production of propylene polymers. 2,474,670.

Hess, Frederic O., Philadelphia, Pa., assignor to Selas Corporation of America. Incandescent gas burner for furnace walls. 2,474,313, June 28.

Heywood, Basil J., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Monoazo dyestuffs. 2,474,736, June 28.

Heywood, Basil J., Blackley, Manchester, England, assignor to Imperial Chemical Industries, Limited. Monoazo dyestuffs. 2,474,737, June 28.

Hiehle, Michael E., Syracuse, N. Y., assignor to General Electric Company. Voltage regulating system. 2,474,580, June 28.

Hill, Earl G., Pulaski, Va., assignor to Textile Appliance Corporation, New York, N. Y. Mandrel. 2,474,672, June 28.

Himmel, Loran B., West Des Moines, Iowa, assignor, by mesne assignments, to R. M. Carrell. High-frequency dielectric heating apparatus. 2,474,420, June 28.

Hinchman, Alva K., Bryn Mawr, Pa. Nozzle and tip for burning and welding torches. 2,474,673, June 28.

Hodapp, Jerome J.: *See*—
Eck, Myron Y., and Hodapp.

Hodgson, Kenneth G., and F. Fairley, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Multichannel carrier communication system. 2,474,249, June 28.

Hoff, James L.: *See*—
Tama, Mario, and Hoff.

Holden, Artemas F., New Haven, Conn. Salt bath for treating stainless steel products. 2,474,674, June 28.

Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Hydraulically operated brake valve. 2,474,738, June 28.

Hollstein, Oswald C., Secaucus, N. J., assignor to F-R Machine Works, Long Island City, N. Y. X-ray equipment. 2,474,421, June 28.

Hollstein, Oswald C., Secaucus, N. J., assignor to F-R Machine Works. X-ray equipment. 2,474,422, June 28.

Holophane Company, Inc., assignee: *See*—
Kranck, Knrt, and Wince.
McPhail, Robert G.
Rolph, Thomas W.
Wince, Vearl S.

Hook, Flavis E., and R. O. Riggs, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Coil shaping apparatus. 2,474,528, June 28.

Hoover Company, The, assignee: *See*—
Segesman, Louis E.
White, Harry B.

Howard, Stanley R., North Quincy, Mass., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Power-driven mechanism and portable demountable supporting standard therefor. 2,474,250, June 28.

Howe, Andrew F., assignor to Centrifugal & Mechanical Industries, Inc., St. Louis, Mo. Dewatering and coking slurry coal. 2,474,251, June 28.

Howe & Fant, Inc., assignee: *See*—
Claus, Walter B.

Howell, Lynn G., Silver Spring, Md., assignor to Standard Oil Development Company. Well logging. 2,474,581, June 28.

Howle, Kenneth, assignor to Wildman Mfg. Co., Norristown, Pa. Shock-damping verge plate. 2,474,627, June 28.

Howlett, John W., and A. J. Woolcott, assignors of one-third to Wellworth Piston Rings Limited, Lymington, England. Means for lapping taper sided split rings. 2,474,358, June 28.

Hullinger, John H., San Francisco, Calif. Universal joint. 2,474,529, June 28.

Humphrey, Harvey J., Cleveland, Ohio. Permeable breakwater. 2,474,786, June 28.

Hurley, Walter G., Gladewater, assignor of one-third to H. Hamilton, Wharton, Tex. Stage lift pump. 2,474,423, June 28.

Hurvitz, Hyman, Washington, D. C. Indicator. 2,474,628, June 28.

Huston, Milton D., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Pot type oil burner and pilot means therefor. 2,474,530, June 28.

Hyde, Lawrence K., Washington, D. C., assignor to The Baldwin Locomotive Works. Rate of movement control apparatus. 2,474,424, June 28.

Ilford Limited, assignee: *See*—
Kendall, John D., Suggate, and Wood.

Imperial Chemical Industries Limited, assignee: *See*—
Carter, Peter G.
Heywood, Basil J.

Industrial Tape Corporation, assignee: *See*—
Weldner, Charles L., and Eger.

Ingersoll-Rand Company, assignee: *See*—
Jimerson, Francis A.

Ingoldby, Maurice K., deceased, Tynemouth, England; by T. F. Clarke, Swanley, and P. W. Cole Purley, executors, assignors to Vickers-Armstrongs Limited, London, England. Fire control apparatus for guns. 2,474,730, June 28.

Ingrom, Alton J., assignee: *See*—
Wolf, Allen C.

International Standard Electric Corporation, assignee: *See*—
Back, Raymond R.
Cabes, Lucien A. B.
Clark, Trevor H.
Deakin, Gerald.
De Vriendt, Charles, and Cabes.
Hodgson, Kenneth G., and Fairley.
Jacobsen, Bent B.
Kelly, Richard.
Smith, William F.
Terry, Victor J., and Kelly.

Iron Fireman Manufacturing Company, assignee: *See*—
Richardson, Max C.

Isaacs, Marcus M., Sydney, New South Wales, Australia. Fastening means for trousers and other garments. 2,474,629, June 28.

Isacco, Vittorio, London, England. Jet engine. 2,474,350, June 28.

Ittner, Hildegard H., executrix: *See*—
Ittner, Martin H.

Ittner, Martin H., deceased, Township of Wall, Monmouth County, N. J.; by H. H. Ittner, executrix, West Hartford, Conn., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparing partial esters of glycerine and fatty acids. 2,474,740, June 28.

Ivory, Margaret C., Massillon, Ohio. Combination chair and table unit. 2,474,252, June 28.

Jackson, Albert I., assignee: *See*—
Wolf, Allen C.

Jackson, Joseph G., assignor to Ekco Products Company, Chicago, Ill. Cutlery construction. 2,474,425, June 28.

Jacobsen, Bent B., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Measuring difference in frequency of alternating currents. 2,474,253, June 28.

Jamison, Charles R., Morgantown, W. Va. Control means for airplane landing gear for landing crosswind. 2,474,630, June 28.

Jankowski, Vladimir, Detroit, Mich. Toolholder. 2,474,675, June 28.

Jelley, Cleveland H., Detroit, Mich. Internal-combustion engine. 2,474,631, June 28.

Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Retainer. 2,474,360, June 28.

Johns-Manville Corporation, assignee: *See*—
Koehne, Frank J.

Johnson, Herbert C., Wilmette, Ill. Fruit juice extractor. 2,474,399, June 28.

Jones, Paul C., Nichols, S. C. Electric water heater. 2,474,361, June 28.

Jones, Wilford D.: *See*—
Seymour, George W., Salvin, and Jones.

Jung, Ingvar K. E., Langedrag, near Goteborg, Sweden. Gas turbine plant. 2,474,582, June 28.

Justice, Jesse L., Huntington Park, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Life raft or float. 2,474,479, June 28.

Kalamazoo Stove and Furnace Company, assignee: *See*—
Cook, James M., and Lang.

Kane, Anna, administratrix: *See*—
Foerste, William.

Kauffman, Leroy A., Washington, D. C. Machine for impregnating material with liquid. 2,474,254, June 28.

Kearby, Kenneth K., Cranford, N. J., assignor to Standard Oil Development Company. Preparation of a zinc aluminate-group VI metal oxide catalyst. 2,474,215, June 28.

Kearse, George P., assignor to American Phenolic Corporation, Chicago, Ill. Antenna system. 2,474,480, June 28.

Keir, James M., Bronxville, and E. A. Clapp, Niagara Falls, N. Y., assignors to The Linde Air Products Company. Method of and apparatus for electrically welding studs to surfaces. 2,474,531, June 28.

Kelley-Koett Manufacturing Co., The, assignee: *See*—
Todd, William L., and Greenberg.

Kelly, Ernest B., Chicago, Ill., assignor to Myerson Tooth Corporation, Cambridge, Mass. Forming artificial teeth. 2,474,676, June 28.

Kelly, Richard: *See*—
Terry, Victor J., and Kelly.

Kelly, Richard, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Power supply system for carrier communication systems. 2,474,285, June 28.

Kendall, John D., H. G. Suggate, and H. W. Wood, Ilford, assignors to Ilford Limited, Ilford, Essex, England. Cyanine dyestuffs and dyestuff intermediates. 2,474,420, June 28.

Kending, Ernest K., Flushing, N. Y. Hair drier. 2,474,427, June 28.

Keranen, Theodore S., Detroit, Mich. Helicopter. 2,474,362, June 28.

Kindt, Ernest T., Lakewood, Ohio. Pattern marking letter. 2,474,428, June 28.

Kinion, Richard L., Denver, Colo. Aerial bomb. 2,474,256, June 28.

Kirkland, Harold R., Morristown, N. J. Dimmer device for indicating lamps. 2,474,677, June 28.

Kitchen, Darley E., Logan, Ohio. Self-cleaning salt or pepper shaker or dispenser. 2,474,678, June 28.

Kitchen, Kenneth, Fostoria, Ohio. Combination loose-leaf binder and music stand table. 2,474,532, June 28.

Klittel, John J., St. Albans, assignor to Royal Typewriter Company, Inc., New York, N. Y. Power-operated typing mechanism for typewriters or like machines. 2,474,741, June 28.

Klein, Lawrence C., Hubbell, assignor to Lake Chemical Company, Calumet, Mich. Preparation of cuprous oxide. 2,474,533, June 28.

Kleinschmidt, Edward E., Miami Beach, Fla. Telegraphic communication system with automatic answer back and alarm signals. 2,474,257, June 28.

Kleppen, Emil, and I. B. Hansen, Minneapolis, Minn. Fish lure. 2,474,481, June 28.

Klug, Charles W., assignor to Stewart Warner Corporation, Chicago, Ill. Electric motor control proportioning system. 2,474,679, June 28.

Knost, Lloyd H., Webb City, Mo. Grounding shoe for welding machines. 2,474,534, June 28.

Koch, William J.: *See*—
Schmid, Carl J., and Koch.

Koehne, Frank J., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for size reduction and fiberizing of crude fibrous materials. 2,474,314, June 28.

Kohl, John C., Pittsburgh, and J. A. Desmone, Springdale, Pa., assignors to Pittsburgh Corning Corporation. Mounting of cellular glass slabs. 2,474,363, June 28.

Kramer, Paul H., assignor to Park Chemical Company, Detroit, Mich. Rectifying a neutral molten salt treating bath. 2,474,680, June 28.

Krannak, Steven J., St. Paul, Minn. Protective cot. 2,474,535, June 28.

Kreitmayr, Sylvester, Brooklyn, N. Y. Self-locking garment hanger. 2,474,429, June 28.

Kroeker, Edwin H.: *See*—
Neher, Harry T., Kroeker, and Crozall.

Kroon, Reinout P., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,474,258, June 28.

Krukonis, Alexander C., Auburn, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin retainer for weft replenishing mechanisms. 2,474,832, June 28.

Kuhn, Clarence W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electromagnetic switch. 2,474,742, June 28.

Kürti, Alexander, Woodbury, assignor to The Autoyre Company, Incorporated, Oakville, Conn. Breech bolt with gauge members. 2,474,743, June 28.

La Forge, Louis H., Jr.: *See*—
Ellis, William C., La Forge, Jr., and White.

Lake Chemical Company, assignee: *See*—
Klein, Lawrence C.
Rowe, Percy J.

Lambert, Albert L., Narberth, and E. C. Franco-Ferreira, Jenkintown, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Dispensing means. 2,474,744, June 28.

Landis, George G., South Euclid, and V. Peters, Lakewood, assignors to The Lincoln Electric Company, Cleveland, Ohio. Arc welding composition and making same. 2,474,787, June 28.

Landis & Gyr, A.-G., assignee: *See*—
Amsler, Robert.

Lane, Albert M., assignor to Vickers Incorporated, Detroit, Mich. Flow control circuit. 2,474,681, June 28.

Lang, Robert C.: *See*—
Cook, James M., and Lang.

Lankovski, Anatoly: *See*—
Graves, Michael.

Lapham, Edmund F., Jr., Norwell, Mass., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Coil supporting means. 2,474,259, June 28.

Latex Fiber Industries, Inc., assignee: *See*—
Owen, Allen F.

Laue, Charles E., Chicago, Ill. Valve. 2,474,430, June 28.

Lavietes, Abraham H., Shelton, Conn. Tobacco can elevator. 2,474,315, June 28.

Lee, Gerald L.: *See*—
Mahoney, Charles H., and Lee.

Leef, George R., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Dielectric measuring apparatus and method. 2,474,260, June 28.

Leibe, Frank A., Quakertown, Pa., and B. B. Mahler, Newark, N. J., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Modulator. 2,474,261, June 28.

Lewis, John B., Indianapolis, Ind. Minnow bucket. 2,474,745, June 28.

Lewis, Warren K., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Temperature control means. 2,474,583, June 28.

Lichtenwalner, Hart K.: *See*—
Lovell, Wheeler G., Miller, Mulligan, and Lichtenwalner.

Liebmann, Gerhard, assignor to Cathodeon Limited, Cambridge, England, Amplifier tube for high frequencies. 2,474,584, June 28.

Liebowitz, Benjamin, Lewisboro, N. Y. Composite steel plate. 2,474,682, June 28.

Lincoln Electric Company, The, assignee: *See*—
Landis, George G., and Peters.

Linde Air Products Company, The, assignee: *See*—
Keir, James M., and Clapp.

Linder, Victor F., assignor to A. T. O'Neil, Minneapolis, Minn. Bending brake with adjustable work stop and clamping means. 2,474,683, June 28.

Linderme, Edwin G., assignee: *See*—
Linderme, Emil.

Linderme, Emil, Shaker Heights, Ohio, assignor of one-third to E. M., one-third to E. G., and one-third to F. W. Linderme. Traction-gaining device. 2,474,262, June 28.

Linderme, Emil M., assignee: *See*—
Linderme, Emil.

Linderme, Frederick W., assignee: *See*—
Linderme, Emil.

Lipman, Maurice S., Hempstead, and W. W. Godon, Freeport, assignors to Republic Aviation Corporation, near Farmingdale, N. Y. Clamp. 2,474,431, June 28.

Litton, Charles V., Redwood City, Calif., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Cathode support. 2,474,263, June 28.

Lloyd, John, assignor to Sir W. G. Armstrong Whitworth Aircraft Limited, Coventry, England. Control of flying-wing aircraft. 2,474,585, June 28.

Lopez, Rufino, and B. Allen, Brownsville, Tex. Air cleaner. 2,474,746, June 28.

Lorain County Radio Corporation, The, assignee: *See*—
Heisner, Donald A.

Lorenz, Anton, Buffalo, N. Y. Adjustable seat structure. 2,474,264, June 28.

Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,474,265, June 28.

Lovell, Wheeler G., V. A. Miller, M. J. Mulligan, and H. K. Lichtenwalner, assignors to General Motors Corporation, Detroit, Mich. Especially reactive lime and producing it. 2,474,207, June 28.

Lovick, John B., Glendale, assignor to Allied Appliance Co., Los Angeles, Calif. Testing instrument for machined parts. 2,474,482, June 28.

Lowe, Cuthbert J. J., Cheltenham, England. Hand operable indicating appliance. 2,474,432, June 28.

Lundegard, John E., Bremerton, Wash. Variable hydraulic pump or motor. 2,474,536, June 28.

Lundy, Alvin S.: *See*—
Schneible, Claude B., and Lundy.

Luttrell, James E., Burgess Store, Va. Trailer drawbar support. 2,474,483, June 28.

Lyon, Albert T.: *See*—
Maury, Alfred D., and Lyon.

Lyons, Harold, Washington, D. C. Step wave generator. 2,474,266, June 28.

Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Reversible hydraulic coupling. 2,474,586, June 28.

Machinefabriek Gebr. Stork & Co. N. V., assignee: *See*—
Busquet, Jan C.

Mack Manufacturing Corporation, assignee: *See*—
May, Walter M., and Burgess.
Pelan, John S.

MacLeod, James A., assignor to Sun Chemical Corporation, New York, N. Y. Position indicator for aircraft. 2,474,537, June 28.

Madrigueras, Enric, North Yonkers, N. Y. Combination screen and storm window. 2,474,747, June 28.

Mahler, Benjamin B.: *See*—
Leibe, Frank A., and Mahler.

Mahnke, Kurt, Alden, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric winch control system for alternating currents. 2,474,267, June 28.

Mahoney, Charles H., and G. L. Lee, Boulder City, Nev., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Alloying manganese with magnesium. 2,474,538, June 28.

Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Pumping apparatus. 2,474,539, June 28.

Marathon Paper Mills Company, assignee: *See*—
Farrell, Robert A., and Wagner.

Marbach, Frank G., assignor to Morrison Products, Inc., Cleveland, Ohio. Welding electrode. 2,474,788, June 28.

Marble, Jarvis C., assignee, trustee: *See*—
Boestad, Gustav K. W.
Lysholm, Alf.

Marchand, Nathan, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio-frequency in-phase indicator. 2,474,268, June 28.

Marchese, Vincent J., Brooklyn, N. Y. Electric lighting fixture. 2,474,484, June 28.

Marsh, Earle S., Temple City, assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Gas separator. 2,474,540, June 28.

Marshall, James F., Newton, Iowa. Automatic lathe chuck. 2,474,638, June 28.

Martines, Clement, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Power supply regulator system. 2,474,269, June 28.

Mason, Carl T., Little Rock, Ark. Surgical splint for small animals. 2,474,634, June 28.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetron oscillator. 2,474,485, June 28.

Master, Warren S., Rutherford, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Support for voltage regulators. 2,474,270, June 28.

Maury, Alfred D., Ilion, and A. T. Lyon, Mohawk, N. Y. Automatic fishing reel. 2,474,541, June 28.

May Walter M., Plainfield, N. J., and L. E. Burgess, Allentown, Pa., assignors to Mack Manufacturing Corporation, New York, N. Y. Two-speed governor. 2,474,316, June 28.

McCaughley, Michael J., Brooklyn, N. Y. Tooth cleaning device. 2,474,684, June 28.

McCloud, Robert A.: *See*—
Daum, John L., McCloud, and Bacon.

McCloud, Robert A., San Lorenzo, J. L. Daum, and T. P. Bacon, Oakland, Calif. Vulcanizer mold. 2,474,542, June 28.

McCollum, Henry J. De N., deceased, late of Chicago, Ill., by Thelma McCollum, executrix, assignor to Stewart-Warner Corporation, Chicago, Ill. Jet propulsion apparatus. 2,474,685, June 28.

McCollum, Thelma: *See*—
McCollum, Henry J. De N.

McKissick, William H., Tulsa, Okla. Snatch block. 2,474,433, June 28.

McLellan, E. W., Co., assignee: *See*—
McLellan, Roderick I.

McLellan, Roderick I., Colima, assignor to E. W. McLellan Co., San Francisco, Calif. Flower holder and box. 2,474,543, June 28.

McMullen, John C., assignor to The Carborundum Company, Niagara Falls, N. Y. Fused cast alumina refractory. 2,474,544, June 28.

McMurray, John C., Winthrop, Mass. Hydraulic brake fluid pumping apparatus. 2,474,748, June 28.

McNabney, Ralph: *See*—
Burkard, Perle N., and McNabney.

McPhail, Robert G., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Light refracting and transmitting plate and lighting equipment using the same. 2,474,317, June 28.

Mealey, Robert V., assignee: *See*—
Wolfe, Paul.

Measurements Corporation, assignee: *See*—
van Beuren, John M.

Mellen, Alice M., assignee: *See*—
Evans, Russell T., and Clasen.

Menta, Frank E., Wallkill, N. Y. Combined support for shades, curtains, and drapes. 2,474,434, June 28.

Merck & Co., Inc., assignee: *See*—
Babson, Robert D.
Beutel, Ralph H., and Tishler.
Harmon, William S.
Peck, Robert L.

Merrell, Wm. S., Company, The, assignee: *See*—
Van Campen, Marcus G., Jr., and Tilford.

Merrill, Leslie M., assignee, trustee: *See*—
Boestad, Gustav K. W.
Lysholm, Alf.

Meyer, Harold F., Haddonfield, N. J. Protection of objects. 2,474,271, June 28.

Michel, Morris, assignor to Rothmoor Corporation, Chicago, Ill. Garment. 2,474,400, June 28.

Middleton, Alan C., Point Pleasant, N. J. Control mechanism for positioning a mast in alternate, predetermined positions. 2,474,486, June 28.

Miller, Donald L., Pine City, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Backfire circuit breaker. 2,474,487, June 28.

Miller, Horace G.: *See*—
Wallace, Marcel, and Miller.

Miller, Theodore E., Detroit, Mich. Self-adjusting hydraulic brake mechanism. 2,474,749, June 28.

Miller, Verle A.: *See*—
Lovell, Wheeler G., Miller, Mulligan, and Lichtenwalner.

Minerva Wax Paper Company, assignee: *See*—
Gluck, Fred C.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Schoeppel, John F.
Sparrow, Hubert T.
Vollrath, Joseph P.

Modern Controls, Inc., assignee: *See*—
Haug, Eugene H.

Moeller, Jacob, Cincinnati, Ohio. Airplane toy. 2,474,750, June 28.

Molls, Charles P., New Hyde Park, N. Y. Knockdown stand or table. 2,474,318, June 28.

Monsanto Chemical Company, assignee: *See*—
Healy, John J., Jr., Taylor, and Abbiati.

Montgomery, Ora A., Miami, Okla. Fisherman's kit. 2,474,752, June 28.

Moore, Charles B.: *See*—
Swift, Gilbert, and Moore.

Moore, David W., Jr., New York, N. Y. Graphic facsimile toy. 2,474,545, June 28.

Moore, Edward J., executor, assignee: *See*—
Moore, Thomas F.

Moore, Robert C., assignor, by mesne assignments to Philco Corporation, Philadelphia, Pa. Vacuum tube amplifier. 2,474,435, June 28.

Moore, Thomas F., Morris Plains, N. J.; E. J. Moore and M. M. Dacey, executors of said T. F. Moore, deceased; assignors, by mesne assignments, to Moretrench Corporation, Rockaway, N. J. Automatic well point. 2,474,364, June 28.

Moore, Vincent H., Salinas, Calif. Concrete form board fastener. 2,474,587, June 28.

Moore, Wayne W., Chicago, Ill. Dental articulator. 2,474,488, June 28.

Morand, Emil, Jersey City, N. J. Foldable compartment box. 2,474,751, June 28.

Moretrench Corporation, assignee: *See*—
Moore, Thomas F.

Morey, Glen H., Terre Haute, assignor to Commercial Solvents Corporation, County of Vigo, Ind. Substituted 3-carbamyl-2-piperidones and preparing them. 2,474,589. June 28.

Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparing 1,2,3,4,5,6-hexachlorocyclohexane. 2,474,590, June 28.

Morrell, Charles E.: *See*—
Bannon, Lewis A., and Morrell.

Morrell, Charles E., Westfield, and R. F. Robey, Cranford, N. J., assignors, by mesne assignments, to Standard Oil Development Company. Alcohol process. 2,474,588, June 28.

Morris, William T., Breckenridge, Tex. Safety lock for railroad spikes. 2,474,366, June 28.

Morrison Products, Inc., assignee: *See*—
Marbach, Frank G.

Mortensen, Robert W., assignor to Beloit Iron Works, Beloit, Wis. Rocker mounting for rotary bearings. 2,474,489, June 28.

Morton, Glenn R., Grand Island, Nebr. Spring clothespin. 2,474,753, June 28.

Moxley, Auben E., East Orange, assignor to Bel-Ray Company, Inc., Newark, N. J. Lubricator. 2,474,754, June 28.

Muller, Jacques, La Garenne Colombes, France; vested in the Attorney General of the United States. Coupling for piping. 2,474,319, June 28.

Mulligan, Maurice J.: *See*—
Lovell, Wheeler G., Miller, Mulligan, and Lichtenwalner.

Munn, Elvin R., St. Louis, Mo. Game block of non-magnetizable material having a magnetizable strip concealed in one end thereof. 2,474,365, June 28.

Murph, Donald H., Dallas, Tex. Nutcracker. 2,474,591, June 28.

Mustee, Bernard E., Cleveland, Ohio, assignor to E. L. Mustee and Sons, Inc. Fluid heater. 2,474,401, June 28.

Mustee, E. L., and Sons, Inc., assignee: *See*—
Mustee, Bernard E.

Myerson Tooth Corporation, assignee: *See*—
Kelly, Ernest B.

Nathan Manufacturing Company, assignee: *See*—
Folke, Bengt E., and Shepard.

Napier, Maurice A., Akron, Ohio. Ratchet means. 2,474,402, June 28.

National Tank Company, assignee: *See*—
Glasgow, Clarence O.

National Union Radio Corporation, assignee: *See*—
Skellett, Albert M.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Burrell, Ellis.
Mahoney, Charles H., and Lee.

Neher, Harry T., Bristol, E. H. Kroeker, Cheltenham, and W. J. Crozall, Bryn Athyn, assignors to Rohm & Haas Company, Philadelphia, Pa. Allyl diglycolyl allyl glycolate. 2,474,686, June 28.

Newman, Charles: *See*—
Bechtold, Ira C., Stephens, and Newman.

Nichols, Harry J., New York, N. Y. Variable pitch propeller. 2,474,635, June 28.

Nicolet, Constant E., Westport, Conn., assignor, by mesne assignments, to Airkem, Inc., New York, N. Y. Wick-supporting device. 2,474,606, June 28.

Nill, Richard G., assignor to Fort Wayne Tool, Die and Engineering Company, Fort Wayne, Ind. Magnetic fixture for holding work to be ground. 2,474,800, June 28.

Nordlin, Henry G., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Coaxial line termination. 2,474,272, June 28.

Norgorden, Oscar: *See*—
Dresser, Oscar C., Norgorden, Shunahan, and Shuler.

Oesterle, Henry, and R. A., Belleville, Ill. Vitrous enamel opacification and process. 2,474,636, June 28.

Oesterle, Robert A.: *See*—
Oesterle, Henry and R. A.

Ohlsson, Robert: *See*—
Early, Harold C., Dow, and Ohlsson.

Oil Center Tool Company, assignee: *See*—
Penick, Arthur J.

Olafson, Alvin O., St. Paul, Minn. Abrasive strip holder. 2,474,540, June 28.

Olson, Raymond O., Niles, Ill. Fabric reinforcement. 2,474,273, June 28.

O'Neil, Albert T., assignee: *See*—
Linder, Victor F.

O'Neill, George M., Salt Lake City, Utah. Ski press. 2,474,274, June 28.

Ostlund, Evert M., Montclair, N. J., and P. W. Sokoloff, Forest Hills, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Pulse generating system. 2,474,275, June 28.

Owen, Allen F., assignor to Latex Fiber Industries, Inc., Beaver Falls, N. Y. Fibrous sheets formed from an aqueous suspension of a mixture of fibers and butadiene-styrene copolymer. 2,474,801, June 28.

Palmer, Frederick A., Wooster, Tex., assignor to Standard Oil Development Company. Polymerization of isobutylene with a diolefin. 2,474,502, June 28.

Pamphilon, Leon E., Yeadon, assignor to Airdesign, Incorporated, Upper Darby, Pa. Coil winding machine. 2,474,755, June 28.

Panoramic Laboratories: *See*—
Wallace, Marcel, and Miller.

Panoramic Radio Corporation, assignee: *See*—
Wallace, Marcel, and Miller.

Papciak, Walter J., Detroit, Mich. Honing tool for external cylindrical surfaces. 2,474,750, June 28.

Paragon Electric Company, assignee: *See*—
Platt, Edward V.

Parilla, Daniel, assignor of fifty per cent to S. D'Amico, Brooklyn, N. Y. Burglary or fire alarm system. 2,474,757, June 28.

Park Chemical Company, assignee: *See*—
Kramer, Paul H.

Parke, Davis & Company, assignee: *See*—
Doub, Leonard.

Parrish, William C., Park Ridge, assignor to Stewart-Warner Corporation, Chicago, Ill. Compact forced-air heater. 2,474,687, June 28.

Patch, Paul J., assignor to The Rocky Mountain Gas Equipment Company, Denver, Colo. Gas burner and pilot. 2,474,547, June 28.

"Patelhold" Patentverwertungs- & Electro-Holding A.-G., assignee: *See*—
Favre, Marcel G.
Guanella, Gustav.

Patner, Saul, assignee: *See*—
Selden, Herman L.

Payne, Arthur W., assignor to Bundy Tubing Company, Detroit, Mich. Apparatus for making sinuous bends in long workpieces. 2,474,276, June 28.

Pease, Reginald M., Jersey City, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission controlling device for wave guides. 2,474,088, June 28.

Peck, Robert L., Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Complex salts of streptothricin. 2,474,758, June 28.

Pelan, John S., Plainfield, N. J., assignor to Mack Manufacturing Corporation, New York, N. Y. Wall thickness indicator. 2,474,320, June 28.

Pellé, Pierre, Arcueil, France. Start-stop regenerative repeater. 2,474,490, June 28.

Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Packer for wells. 2,474,401, June 28.

Pensak, William, assignee: *See*—
Wines, Elmer J.

Perfect Circle Corporation, assignee: *See*—
Brenneke, Arthur M.

Perhaca, Leslie, North Hollywood, Calif. Variable-speed drive. 2,474,789, June 28.

Perrelli Freestone Machine, Inc., assignee: *See*—
Perrelli, Joseph, and J.

Perrelli, John: *See*—
Perrelli, Joseph and J.

Perrelli, Joseph and J., assignors to Perrelli Freestone Machine, Inc., Richmond, Calif. Apparatus for halving and pitting apricots. 2,474,492, June 28.

Pestyner, Philip, Jamaica, assignor to Ty-Master Corporation, New York, N. Y. Collapsible tie rack. 2,474,436, June 28.

Peters, Vladimir: *See*—
Landis, George G., and Peters.

Peterson, Colguit, Tampa, Fla. Mold for concrete steps. 2,474,321, June 28.

Philco Corporation, assignee: *See*—
Moore, Robert C.
Sunstein, David E.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring assembly and spacer therefor. 2,474,493, June 28.

Phillips Petroleum Company, assignee: *See*—
Clark, Alfred, and Sailors.

Pickles, Sidney B., Jackson Heights, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Transmission line. 2,474,277, June 28.

Pittman, Ralph R.: *See*—
Yonkers, Edward H., Jr., and Pittman.

Pitts, John E., Jr., Los Angeles, Calif. Automatic instantaneous electric water heater. 2,474,637, June 28.

Pittsburgh Corning Corporation, assignee: *See*—
Kohl, John C., and J. A. Desmone.

Pittsburgh Pipe Cleaner Company, assignee: *See*—
Robinson, Lawrence R. and K. I., and Berger.

Pittsburgh Plate Glass Company, assignee: *See*—
Eiterman, George E.

Plasmeti Corporation, assignee: *See*—
Zabel, William C. P., and Helfenbein.

Platt, Edward V., Manitowoc, assignor to Paragon Electric Company, Two Rivers, Wis. Time switch. 2,474,404, June 28.

Pollak, Harry, San Francisco, Calif. Belt purse. 2,474,495, June 28.

Polychrome Corporation, assignee: *See*—
Halpern, Gregory.

Poole, Foster M., Dallas, Tex. Gauge for external measurements of cylindrical bodies. 2,474,802, June 28.

Potter, Raymond I., Lorain, and H. Gillett, Hudson, assignors to The Standard Oil Company, Cleveland, Ohio. Internal-combustion engine conditioning compounds. 2,474,437, June 28.

Purdue Research Foundation, assignee: *See*—
Degering, Edward F., and Van Biema.

Putnam, Alvin A., St. Louis, Mo. Vertical shaft excavating apparatus. 2,474,803, June 28.

Putnam, Henry B., Muskegon Heights, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Multipoint spot welding mechanism. 2,474,593, June 28.

Quality Appliances, Inc., assignee: *See*—
Snyder, Leland H.

Quarrie, Eugene A., assignee: *See*—
Foerste, William.

Quinn, David H., U. S. Navy. Water filter carrying case. 2,474,322, June 28.

Radio Corporation of America, assignee: *See*—
Friend, Albert W.
Goddard, De Witt R.
Goldstine, Hallan E., and Voigt.
Story, Theodore H.
Wood, Elton J.
Young, John E.

Ramage, William D., Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Treating hydrophilic colloids to avoid swelling during washing. 2,474,367, June 28.

Ramsaur, Walter R., assignor to The Garrett Corporation, Los Angeles, Calif. Oil cooler. 2,474,689, June 28.

Ranger, Richard H., U. S. Army, Newark, N. J. Frequency modulated oscillator control. 2,474,278, June 28.

Rankenburg, Gunther, Millville, Minn. Self-feeder attachment. 2,474,368, June 28.

Rattray, George, Mineola, assignor to Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Camera for photographing objects moving relatively to the camera. 2,474,323, June 28.

Ransch, John T., and G. Towne, Danville, Ill. Combined electric fan and electric heater assembly. 2,474,594, June 28.

Ray, James L., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Governor. 2,474,324, June 28.

Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Follow-up servomotor. 2,474,279, June 28.

Ray, William A., Los Angeles, Calif., assignor to General Controls Co. Air circulation control system. 2,474,369, June 28.

Rayman, Lawrence, Toledo, Ohio. Syringe. 2,474,496, June 28.

Regents of the University of Michigan, assignee: *See*—
Blicke, Frederick F.

Reichinstein, David, Zurich, Switzerland. Arc lamp and its low-tension ignition. 2,474,403, June 28.

Reintjes, George P., Kansas City, Mo. Wall box for water tube boilers. 2,474,548, June 28.

Republic Aviation Corporation, assignee: *See*—
Lipman, Maurice S., and Godon.

Richardson, Max C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Control for electric motors. 2,474,595, June 28.

Richeson, Sanford E., Brooklyn, N. Y. Combustion turbine. 2,474,404, June 28.

Riggs, Raymond O.: *See*—
Hook, Flavia E., and Riggs.

Riley Stoker Corporation, assignee: *See*—
Craig, Ollison.

Ritti, John W., Los Angeles, Calif. Sustained electric signal operating device. 2,474,405, June 28.

Robey, Richard F.: *See*—
Morrell, Charles E., and Robey.

Robinson, Kyle L.: *See*—
Robinson, Lawrence R. and K. I., and Berger.

Robinson, Lawrence R., Dormont, K. I. Robinson, Glenshaw, and E. O. Berger, Bellevue, assignors to Pittsburgh Pipe Cleaner Company, Pittsburgh, Pa. Flexible connector. 2,474,690, June 28.

Rocky Mountain Gas Equipment Company, The, assignee: *See*—
Patch, Paul J.

Rocla Limited, assignee: *See*—
Fitzpatrick, Frank L.

Rodgers, Thomas T., Milwaukee, Wis.; T. T. Rodgers, Jr., executor of the said T. T. Rogers, Sr., deceased. Aqueous lubricant. 2,474,325, June 28.

Rodgers, Thomas T., Jr., executor: *See*—
Rodgers, Thomas T.

Rodney Hunt Machine Co., assignee: *See*—
Belcher, Harold H.

Roehm, William A., Rockville Centre, assignor, by mesne assignments, to Virtu, Inc., Brooklyn, N. Y. Web coating apparatus. 2,474,691, June 28.

Rohm & Haas Company, assignee: *See*—
Neher, Harry T., Kroeker, and Croxall.

Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Street lighting luminaire. 2,474,326, June 28.

Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Street lighting luminaire. 2,474,327, June 28.

Rose, Michael E., assignee: *See*—
Wheelock, Raymond.

Rossman, Joseph, Washington, D. C., assignor to United States Gasket Company, Camden, N. J. Gasket centering means. 2,474,790, June 28.

Rossoff, Arthur L., Richmond Hill, assignor to Universal Electronic Laboratories, Inc., New York, N. Y. High-speed precision limit bridge arrangement and method. 2,474,692, June 28.

Rothfuchs, Alfred, Zurich, Switzerland. Junction box for electric lines. 2,474,328, June 28.

Rothmoor Corporation, assignee: *See*—
Michel, Morris.

Rothstein, Jerome, Belmar, N. J. Piezometric thermionic tube. 2,474,280, June 28.

Rowe, Percy J., Hubbell, assignor to Lake Chemical Company, Calumet, Mich. Production of cuprous hydroxide and cuprous oxide. 2,474,497, June 28.

Rowe, Robert G., Niagara Falls, N. Y. Magnetic field responsive device. 2,474,693, June 28.

Royal Typewriter Company, Inc., assignee: *See*—
Kittel, John J.

Ruiz, Ramon A., Havana, Cuba, assignor of sixty per cent to G. Glendice, Brooklyn, N. Y. Railroad spike. 2,474,281, June 28.

Rushforth, Paul W., Honolulu, Territory of Hawaii. Ash receiver. 2,474,371, June 28.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Flywheel. 2,474,370, June 28.

Sailer, Rudolph J., Townley, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Top feed and alternating presser attachment for sewing machines. 2,474,282, June 28.

Sailors, Howard R.: *See*—
Clark, Alfred, and Sailors.

Salathiel, Richard A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Drilling fluid for heaving shale. 2,474,329, June 28.

Salathiel, Richard A., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Aqueous base drilling fluid for heaving shale. 2,474,330, June 28.

Salminen, Ilmar F.: *See*—
Weissberger, Arnold, Salminen, and Vittum.

Salvin, Victor S.: *See*—
Seymour, George W., Salvin, and Jones.

Saner, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine unit. 2,474,331, June 28.

Saulnier, Raymond, Paris, France. Retractable landing gear for aircraft. 2,474,694, June 28.

Schenau, Bernardus W. V.: *See*—
Haantjes, Johan, and Schenau.

Schmid, Carl J., New York, N. Y., and W. J. Koch, Midland Park, N. J., assignors to Julius Schmid, Inc., New York, N. Y. Testing electrode. 2,474,638, June 28.

Schmid, Julius, Inc., assignee: *See*—
Schmid, Carl J., and Koch.

Schmidt, Edwin L., Kew Gardens, assignor to The Teleregister Corporation, New York, N. Y. Communication and posting system. 2,474,438, June 28.

Schmith, Lester C., Sacramento, Calif. Buckle. 2,474,372, June 28.

Schmitz, Harry, Brooklyn, N. Y. Snow remover. 2,474,759, June 28.

Schneible, Claude B., and A. S. Lundy, Detroit, Mich., said Lundy assignor to said Schneible. Collecting and separating apparatus. 2,474,695, June 28.

Schneider, Arthur E.: *See*—
Atkisson, Minton S., and Schneider.

Schoeppel, John F., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Gyroscope. 2,474,549, June 28.

Schomburg, August, New York, N. Y. Desk and table combination. 2,474,696, June 28.

Schwab, Emil P., Mount Lebanon, Pa. Antiskid traction appliance for motor vehicle wheels. 2,474,696, June 28.

Schwabe, Harold C., Shawano, Wis. Fishing float. 2,474,498, June 28.

Schwarzbaum, Hartley D., New York, assignor to Bilt-Rite Baby Carriage Co., Inc., Brooklyn, N. Y. Antitipping device for baby carriages. 2,474,804, June 28.

Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power plant control mechanism. 2,474,697, June 28.

Sciuto, Carl C., St. Louis, Mo. Spray nozzle. 2,474,332, June 28.

Scovill Manufacturing Company, assignee: *See*—
Spender, Donald L., and Butler.

Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Loose-leaf post binder. 2,474,698, June 28.

Segesman, Louis E., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric motor. 2,474,439, June 28.

Selden, Herman L., assignor to S. Patner, Chicago, Ill. Toy wagon. 2,474,373, June 28.

Seles Corporation of America, assignee: *See*—
Biaha, Emil.
Hess, Frederic O.

Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Nitroalkyl substituted heterocyclic compounds and preparing them. 2,474,791, June 28.

Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Polyamino alcohols and preparing them. 2,474,792, June 28.

Seymour, George W., and V. S. Salvin, Cumberland, and W. D. Jones, Cresaptown, Md., assignors to Celanese Corporation of America. Diphenylamine sulfonamide dyestuffs. 2,474,333, June 28.

Shanahan, Francis J.: *See*—
Dresser, Oscar C., Norgorden, Shanahan, and Shuler.

Shattuck, De Witt C., Velva, N. Dak. Hydraulic hayfork. 2,474,374, June 28.

Shearer, Howard E., and J. E. Van Nest, Swarthmore, Pa., assignors to American Viscose Corporation, Wilmington, Del. Shaped fabricated article. 2,474,375, June 28.

Shell Development Company, assignee: *See*—
De Nie, Willem L. J.
Smith, Albert E., and Beeck.

Shepard, Ralph H.: *See*—
Folke, Bengt E., and Shepard.

Shepheard, William L., Norfolk, Va. Toy ferry system. 2,474,376, June 28.

Shmidl, Albert J., Houston, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Producing maleic acid by oxidation of cyclohexane. 2,474,334, June 28.

Short, Brooks H., and H. L. Hartzell, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Ignition system. 2,474,550, June 28.

Shprentz, Isidore, New York, N. Y. Flint dispenser. 2,474,639, June 28.

Shuler, Carroll R.: *See*—
Dresser, Oscar C., Norgorden, Shanahan, and Shuler.

Shurtleff, George G., Panama City, Fla. Ratchet drive for tools. 2,474,377, June 28.

Schwarzowsky, Shimon, Tel Aviv, Palestine. Easy chair. 2,474,597, June 28.

Silbert, Sidney, New York, and H. Folb, Brooklyn, N. Y. Brassières. 2,474,699, June 28.

Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Camera view and range finder. 2,474,379, June 28.

Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Device for modifying electrical signals. 2,474,380, June 28.

Simmon, Alfred, Jackson Heights, and L. L. Welsglass, New York, assignors to Simmon Brothers, Inc., Long Island City, N. Y. Power-driven flash synchronizer for photographic shutters. 2,474,378, June 28.

Simmon Brothers, Inc., assignee: *See*—
Simmon, Alfred.
Simmon, Alfred, and Welsglass.

Simpkins, Isaac W., Charlotte, N. C. Wheel mounting in vehicles. 2,474,283, June 28.

Singer Manufacturing Company, The, assignee: *See*—
Sailer, Rudolph J.
Wood, Alfred R.

Skellett, Albert M., Madison, assignor to National Union Radio Corporation, Newark, N. J. Getter structure for electron discharge devices. 2,474,335, June 28.

Sladick, Frank, Sr., Solvay, N. Y. Concrete composition and production thereof. 2,474,381, June 28.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Diazotype sensitized papers having cellulose ether sizing. 2,414,700, June 28.

Smith, Air Reduction Company, assignor to Air Reduction Company, Incorporated, New York, N. Y. Method of and apparatus for welding. 2,474,789, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,335, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,336, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,337, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,338, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,339, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,340, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,341, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,342, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,343, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,344, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,345, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,346, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,347, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,348, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,349, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,350, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,351, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,352, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,353, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,354, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,355, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,356, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,357, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,358, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,359, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,360, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,361, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,362, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,363, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,364, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,365, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,366, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,367, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,368, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,369, June 28.

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Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,371, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,372, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,373, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,374, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,375, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,376, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,377, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,378, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,379, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,380, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,381, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,382, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,383, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,384, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,385, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,386, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,387, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,388, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,389, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,390, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,391, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,392, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,393, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,394, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,395, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,396, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,397, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,398, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,399, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,400, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,401, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,402, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,403, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,404, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,405, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,406, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,407, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,408, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,409, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,410, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,411, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,412, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,413, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,414, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,415, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,416, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,417, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,418, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,419, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,420, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,421, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,422, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,423, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,424, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,425, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,426, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,427, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,428, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,429, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,430, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,431, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,432, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,433, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,434, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,435, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,436, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,437, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,438, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,439, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,440, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,441, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,442, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,443, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,444, June 28.

Smith, Albert E., and Beeck, Maarten O., assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbons. 2,474,445, June 28.

Smith, Albert E., assignor to Shell Development Company, San Francisco,

Slottman, George V., assignor to Air Reduction Company, Incorporated, New York, N. Y. Apparatus for decarburizing steel. 2,474,701, June 28.

Smiles, Melvin J., Sheboygan, Wis. Automatic brake setting and clutch release control mechanism for tractors. 2,474,598, June 28.

Smith, Albert E., and O. A. Beeck, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of a lithium-aluminum compound as a base for a conversion catalyst. 2,474,440, June 28.

Smith, Evan S.: *See*—
Feil, William F., and Smith.

Smith, George J., Thorndike, Mass. Automatic ventilator. 2,474,760, June 28.

Smith, George W., Jr., Greenwich, Conn., assignor of one-half to Eric W. Wood, Syosset, N. Y. Vehicle traction device. 2,474,640, June 28.

Smith, Guy L., Cumberland, Md. Tire guard. 2,474,284, June 28.

Smith, Luton B., and N. B. Smith, High Point, N. C. Bee comb foundation frame. 2,474,382, June 28.

Smith, Marvin A., Portland, Oreg. Curtain and drape rod support attachment. 2,474,551, June 28.

Smith, Nellie B.: *See*—
Smith, Luton B., and Nellie B.

Smith, William F., Brooklyn, assignor to International Standard Electric Corporation, New York, N. Y. Bank strip welding machine. 2,474,285, June 28.

Snyder, Leland H., assignor, by mesne assignments, to Quality Appliances, Inc., Chicago, Ill. Bubble fountain device. 2,474,286, June 28.

Societe de Usines Chimiques Rhone-Poulenc, assignee: *See*—
Durel, Pierre, and Dubost.

Societe Genevoise d'Instruments de Physique, assignee: *See*—
Turrettini, Fernand.

Societe: Les Fils de Peugeot Freres, assignee: *See*—
De la Source, Charles.

Sokoloff, Paul W.: *See*—
Ostlund, Evert M., and Sokoloff.

Southern Wood Preserving Company, assignee: *See*—
Vaughan, Joseph A., and Vinson.

Spackman, Thomas F., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater burner, particularly fuel delivery and igniting means therefor. 2,474,702, June 28.

Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control apparatus for cabins of aircraft. 2,474,441, June 28.

Spender, Donald L., Wolcott, and G. L. Butler, assignors to Scovill Manufacturing Company, Waterbury, Conn. Liquid dispensing device with bulb pump. 2,474,442, June 28.

Spoonhour, Charles L., assignor to Frick Company, Waynesboro, Pa. Multiple temperature refrigerating unit having air circulating means. 2,474,499, June 28.

Spoor, Theodorus A., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Coil having a slidable core and establishing the ratio between the maximum and minimum inductance thereof. 2,474,761, June 28.

Southland Paper Converting Company, assignee: *See*—
Yount, Stanley G., and Halstead.

Standard Oil Company, The, assignee: *See*—
Potter, Raymond L., and Gillett.

Standard Oil Development Company, assignee: *See*—
Bannon, Lewis A.
Bannon, Lewis A., and Morrell.
Black, James F.
Brakeley, Paul W., Jr., and Young.
Davis, Richard M.
Eby, Lawrence.
Gidley, Philip T.
Howell, Lynn G.
Kearby, Kenneth K.
Lewis, Warren K., Jr.
Morrell, Charles E., and Robey.
Palmer, Frederick A.
Salathiel, Richard A.
Shmidl, Albert J.
Stone, Albert L.
Viles, Prentiss S., and Camp.
Wasson, Jones I., and Zimmer.
Young, David W., and Brakeley.

Stanley, Jack R., assignee: *See*—
Wheelock, Raymond.

Stapely, George H., South Haven, Mich., assignor to Everett Piano Company. Piano construction. 2,474,599, June 28.

Stearn, William T.: *See*—
Sutherland, Frederick G., and Stearn.

Stein, Frederick K., Rockford, Ill. High-low speed attachment for drill presses. 2,474,500, June 28.

Steincross, Gerald B., Long Beach, Calif. Voltage regulator. 2,474,287, June 28.

Steinmeyer, Frederick W., Oakland, Calif. Sectional hinged fold holder. 2,474,552, June 28.

Stender, John I.: *See*—
Stender, John L. and J. I.

Stender, John L., and J. I. Stender, Erie, Mich. Shunt control unit. 2,474,600, June 28.

Stephens, Foster M.: *See*—
Bechtold, Ira C., Stephens, and Newman.

Stephens, Foster M., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Elimination of pulsations in gas lines. 2,474,563, June 28.

Stephens, Foster M., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Gas line pulsation dampening system. 2,474,555, June 28.

Stephens, Foster M., Los Angeles, and C. F. Yates, North Hollywood, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Apparatus for pulsation elimination in fluid streams. 2,474,554, June 28.

Stever, William, assignor to The Budd Company, Philadelphia, Pa. Clinch nut anvil with nut-positioning sleeve. 2,474,501, June 28.

Stewart Warner Corporation, assignee: *See*—
Klug, Charles W.
McCollum, Henry J. D.
Parrish, William C.
Spackman, Thomas F.
Williams, Lynn A., Jr.

Stone, Albert L., Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Column assembly, including pressure fluid motors for moving objects longitudinally and angularly. 2,474,336, June 28.

Stone, Albert L., Palos Verdes Estates, Calif. Pipe joint seal. 2,474,556, June 28.

Stoner, Eliot F.: *See*—
Wieden, Herbert J., Traphagen, and Stoner.

Story, Theodore H., Merchantville, N. J., assignor to Radio Corporation of America. Induction heating coil providing distribution of heating effect. 2,474,703, June 28.

Sturgis Products Company, The, assignee: *See*—
Bogema, Richard E.

Submarine Signal Company, assignee: *See*—
Beechlyn, John T.

Suchy, Charles T., London, England. Metallization of electrically nonconductive fabrics, fibrous materials, and porous materials. 2,474,502, June 28.

Suggate, Harold G.: *See*—
Kendall, John D., Suggate, and Wood.

Suhr, Albert H., Chicago, Ill. Weedless artificial fish bait. 2,474,383, June 28.

Sulzer Freres, Societe Anonyme, assignee: *See*—
Aue, Georg.

Sun Chemical Corporation, assignee: *See*—
MacLeod, James A.

Sundstrand Machine Tool Co., assignee: *See*—
Wahlmark, Gunnar A.

Sundt, Edward V., Arcadia, Calif. Circuit breaker. 2,474,762, June 28.

Sunstein, David E., Elkins Park, assignor to Philco Corporation, Philadelphia, Pa. High-frequency radiant energy absorbing device. 2,474,384, June 28.

Sutherland, Frederick F., and W. T. Stearn, Cumberland, Md., assignor to Celanese Corporation of America. Transport. 2,474,837, June 28.

Swift, Gilbert, Tulsa, Okla., and C. B. Moore, Elberon, N. J. Octantal error calculator. 2,474,288, June 28.

Tago, Catalino G., Brooklyn, N. Y. Jig for swivel links. 2,474,289, June 28.

Tama, Mario, Morrisville, Pa., and J. L. Hoff, Pennington, assignors to Ajax Engineering Corporation, Trenton, N. J. Drum type induction furnace. 2,474,443, June 28.

Taylor, Ambrose G., Birmingham, England, assignor to The Dow Corning Corporation, Midland, Mich. Preparation of organosilicon compounds. 2,474,444, June 28.

Taylor Instrument Companies, assignee: *See*—
Wels, William C.

Taylor, Maurice H.: *See*—
Healy, John J., Jr., Taylor, and Abbiati.

Teleregister Corporation, The, assignee: *See*—
Schmidt, Edwin L.

Templeton, Fred H., Portland, Oreg., assignor to Templeton Harvester, Inc., Oakland, Calif. Combine harvester. 2,474,557, June 28.

Templeton Harvester, Inc., assignee: *See*—
Templeton, Fred H.

Terry, Victor J., and R. Kelly, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Phase failure indicating device for polyphase systems. 2,474,290, June 28.

Textile Appliance Corporation, assignee: *See*—
Hill, Earl G.

Thayer, Mary E., assignor to Dow Corning Corporation, Midland, Mich. Rendering materials water-repellent. 2,474,704, June 28.

Tholson, Karl E., Akarp, Sweden. Manufacture of turned slippers or similar footgear. 2,474,558, June 28.

Thomas, Charles A., Fort Wayne, Ind., assignor to General Electric Company. Brush mechanism. 2,474,601, June 28.

Thomas, Halford R., Alhambra, Calif. Napkin holder. 2,474,763, June 28.

Tilford, Charles H.: *See*—
Van Campen, Marcus G., Jr., and Tilford.

Tillett, Stanley H., Wanstead, London, and B. D. Feild, Romford, assignors to Tillett's Cotton Marking Machines Limited, London, England. Apparatus for reproducing characters and the like. 2,474,400, June 28.

Tillett's Cotton Marking Machines Limited, assignee: *See*—
Tillett, Stanley H., and Feild.

Tishler, Max: *See*—
Beutel, Ralph H., and Tishler.

Todd, William L., Fort Thomas, Ky., and E. E. Greenberg, Cincinnati, Ohio, assignors to The Kelley-Koett Manufacturing Co., Covington, Ky. Polarity indicator plug. 2,474,407, June 28.

Toulon, Pierre M. G., Paris, France. Electronic commutation system and its application, especially to the scanning in television. 2,474,338, June 28.

Towne, George: *See*—
Rausch, John T., and Towne.

Townsend, Samuel P., Maplewood, N. J. Two-speed lawn mower. 2,474,764, June 28.

Traphagen, Peter C.: *See*—
Wieden, Herbert J., Traphagen, and Stoner.

Trig Corporation, assignee: *See*—
Graham, Philip J.

Troy Sunshade Company, The, assignee: *See*—
Daniel, Walter.

Tryon, Philip F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Plasticized elastomer compositions containing n-(hydroxyalkyl)-amides and their fatty acid esters. 2,474,793, June 28.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin tip support means for weft replenishing looms. 2,474,641, June 28.

Turrettini, Fernand, Bellevue-Geneva, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Length measuring machine having lens and reflector means. 2,474,602, June 28.

Ty-Master Corporation, assignee: *See*—
Pestyner, Philip.

Union Special Machine Company, assignee: *See*—
Sauer, George.

Union Steel Products Company, assignee: *See*—
Bitney, Dewey H.

United Aircraft Corporation, assignee: *See*—
Block, Emil V.

United Aircraft Manufacturing Corporation, assignee: *See*—
Watter, Michael.
Watter, Michael, and Doherty.

United Shoe Machinery Corporation, assignee: *See*—
Fossa, Joseph.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Baker, William R.

United States Gasket Company, assignee: *See*—
Rossman, Joseph.

Universal Electronic Laboratories, Inc., assignee: *See*—
Rossoff, Arthur L.

Vacuum Concrete Inc., assignee: *See*—
Billner, Karl P.

Vale, Jaiva, Birmingham, Ala. Typewriter support. 2,474,385, June 28.

Van Beuren, John M., Morristown, assignor to Measurements Corporation, Boonton, N. J. Attenuator. 2,474,794, June 28.

Van Beuren, John M., Morristown, assignor to Measurements Corporation, Boonton, N. J. Attenuator for high-frequency pickup devices. 2,474,795, June 28.

Van Biema, Gerhard: *See*—
Degering, Edward F., and Van Biema.

Van Campen, Marcus G., Jr., Wyoming, and C. H. Tilford, Silverton, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Alkylaminoalkyl esters of alicyclylalicyclic carboxylic acids. 2,474,796, June 28.

Van Degrift, Thomas C., assignor to General Motors Corporation, Detroit, Mich. Torsional vibration exhibiting means. 2,474,408, June 28.

Van Nest, John E.: *See*—
Shearer, Howard E., and Van Nest.

Vaughan, Joseph A., and J. C. Vinson, assignors to Southern Wood Preserving Company, Atlanta, Ga. Method of and apparatus for partially dehydrating and cleansing oily wood preservatives. 2,474,705, June 28.

Vaughn, Bernard G., and W. V. Feil, Zanesville, Ohio, assignors to Armco Steel Corporation. Pack opening and sheet receiving means. 2,474,765, June 28.

Vickers-Armstrongs Limited, assignee: *See*—
Ingoldby, Maurice K.

Vickers Incorporated, assignee: *See*—
Lane, Albert M.

Viles, Prentiss S., and E. Q. Camp, Goose Creek, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Inhibition of corrosion in wells. 2,474,603, June 28.

Vinson, Joseph C.: *See*—
Vaughan, Joseph A., and Vinson.

Virtu, Inc., assignee: *See*—
Roehm, William A.

Vittum, Paul W.: *See*—
Weissberger, Arnold, Salminen, and Vittum.

Voigt, Oswin F.: *See*—
Guidetine, Hallan E., and Voigt.

Volkmann, John, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Headband and earphone mounting. 2,474,386, June 28.

Vollrath, Joseph P., Glenside, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument. 2,474,208, June 28.

Vuts, Wilhelm, Coldwater, Ohio, assignor, by mesne assignments, to Avco Manufacturing Corporation. Side-draft stabilizer mechanism. 2,474,445, June 28.

Wagner, Charley L.: *See*—
Farrell, Robert A., and Wagner.

Waggoner, Alvin G., Philadelphia, and W. B. Brooks, Pittsburgh, Pa. Alloy steel. 2,474,766, June 28.

Wahlberg, Eric C., Stamford, assignor to Electrolux Corporation, Old Greenwich, Conn. Electric motor switching mechanism. 2,474,707, June 28.

Wahlmark, Gunnar A., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Hydraulic transmission. 2,474,706, June 28.

Waldorf Paper Products Company, assignee: *See*—
Guyer, Reynolds.

Walker, William R., Baltimore, Md. Composition floor covering of resilient pliable coated material. 2,474,767, June 28.

Wallace, Jeffrey J., Amite, La., assignor to Gullett Gin Company. System for the preginning of cotton. 2,474,642, June 28.

Wallace, Marcel, New York, N. Y., and H. G. Miller, Belleville, N. J., assignors, by mesne assignments, of one-half to M. Wallace, doing business as Panoramic Laboratories, and one-half to Panoramic Radio Corporation, New York, N. Y. Vibrating reactance panoramic radio receiver. 2,474,387, June 28.

Walters, Charles A., Portsmouth, Ohio. Circular burnisher planer and molding head. 2,474,559, June 28.

Wamnes, Leonard B.: *See*—
Wheeler, William H., and Wamnes.

War, United States of America, as represented by the Secretary of, assignee: *See*—
Meyer, Harold F.
Volkmann, John.

Ward, Wilfred H., and C. H. Binkley, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Keratin derivatives and preparation thereof. 2,474,339, June 28.

Warden, Alva F., Gary, and L. A. Harry, Crown Point, Ind. Antiskid device. 2,474,291, June 28.

Warner, Samuel W., Newark, N. J. Floating electrode. 2,474,340, June 28.

Warren, Arthur E., Des Moines, Iowa. Quarter boot for horses. 2,474,440, June 28.

Warren, Henry E., Ashland, Mass. Repulsion synchronous motor. 2,474,797, June 28.

Wasserman, Arthur A., Boston, assignor of one-half to L. Cohen, Quincy, Mass. Doll stroller. 2,474,388, June 28.

Wasson, Jones I., and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Rust-preventing compounds. 2,474,604, June 28.

Waterval, William, Brooklyn, N. Y. Propeller. 2,474,562, June 28.

Watter, Michael, Hartford, Conn., assignor to United Aircraft Manufacturing Corporation. Flexible gun mount for aircraft. 2,474,560, June 28.

Watter, Michael, New York, N. Y., and H. W. Doherty, East Hartford, Conn., assignors to United Aircraft Manufacturing Corporation. Flexible gun mount for aircraft. 2,474,561, June 28.

Webb, Clarence D., St. Clair Shores, Mich., assignor to Carboloy Company, Inc. Brazing cemented carbides to steel. 2,474,643, June 28.

Webster Industries, Inc., assignee: *See*—
Henne, Julius A.

Weeks, Norman O., Inglewood, Calif. Valve gauge. 2,474,294, June 28.

Weidner, Charles L., New Brunswick, and L. W. Eger, Perth Amboy, N. J., assignors to Industrial Tape Corporation. Adhesive tape for laminating. 2,474,292, June 28.

Wels, William C., assignor to Taylor Instrument Companies, Rochester, N. Y. Seal for filler tubes. 2,474,563, June 28.

Welsglass, Louis L.: *See*—
Simmon, Alfred, and Welsglass.

Weissberger, Arnold, I. F. Salminen, and P. W. Vittum, assignors to Eastman Kodak Company, Rochester, N. Y. 1-naphthol-1-2-carboxylic acid amide couplers for color photography. 2,474,293, June 28.

Wellworth Piston Rings Limited, assignee: *See*—
Howlett, John W., and Woolcott.

West, Carl H., St. Clairsville, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa. Heating ingots. 2,474,504, June 28.

West, Carl H., St. Clairsville, Ohio, assignor to Blaw-Knox Company, Pittsburgh, Pa. Furnace cover operating mechanism. 2,474,505, June 28.

Westin, Daniel B., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for forming glass articles. 2,474,708, June 28.

Westinghouse Electric Corporation, assignee: *See*—
Hague, Floyd T.
Kroon, Reinout P.
Mahnke, Kurt.
Schwendner, Anthony F.

Wheel Aligning Necessities, Inc., assignee: *See*—
Castiglia, Biagis.
Wheeler, Harold A., Great Neck, N. Y., assignor, by mesne assignments, to Haseltine Research, Inc., Chicago, Ill. Ultra-short-wave signal-translating device. 2,474,608, June 28.
Wheeler, Stephen P., Norristown, Pa. Screw driver. 2,474,295, June 28.
Wheeler, William H., New York, N. Y., and L. B. Wamnes, Aberdeen, Miss., assignors to Airkem, Inc., New York, N. Y. Liquid diffuser. 2,474,605, June 28.
Wheeler, William H., New York, and L. B. Wamnes, White Plains, assignors to Airkem, Inc., New York, N. Y. Liquid diffuser. 2,474,607, June 28.
Wheeling Steel Corporation, assignee: *See*—
Cross, Leonard W.
Wheelock, Raymond, assignor to J. R. Stanley and M. E. Rose, Los Angeles, Calif. Child's educational toy. 2,474,447, June 28.
White, Addison H.: *See*—
Ellis, William C., and La Forge, Jr., and White.
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Semiautomatic nozzle adjustment for suction cleaners. 2,474,448, June 28.
White Laboratories, Inc., assignee: *See*—
Breivogel, Philip J.
Whitworth, W. G. Armstrong, Sir., Aircraft Limited, assignee: *See*—
Lloyd, John.
Whyte, John, Chicago, Ill., assignor, by mesne assignments, to Helene Curtis Industries, Inc. Expandable curling rod. 2,474,449, June 28.
Wieden, Herbert J., Los Angeles, P. C. Traphagen, Pasadena, and E. F. Stoner, Los Angeles, Calif., assignors, by mesne assignments, to General American-Duryea Corporation, Chicago, Ill. Convertible ice bunker. 2,474,563, June 28.
Wildman Mfg. Co., assignee: *See*—
Howle, Kenneth.
Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Heating system. 2,474,709, June 28.
Williamson, James L., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Method and machine for generating splines and the like. 2,474,209, June 28.
Wilson-Jones Co., assignee: *See*—
Segal, Samuel.
Wiltsee, Duane, Ann Arbor, Mich. Towing device for trailers. 2,474,290, June 28.
Wince, Vearl S.: *See*—
Franck, Kurt, and Wince.
Wince, Vearl S., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Surface attached fluorescent lighting luminaire. 2,474,341, June 28.
Wines, Elmer J., South Gate, assignor to W. Pensak, Los Angeles, Calif. Cushion or mattress unit. 2,474,768, June 28.
Wing, Russell T., Excelsior, Minn. Fountain pen. 2,474,389, June 28.
Wolf, Allen C., Atlanta, Ga., assignor of one-third to A. I. Jackson, Whitmire, S. C., and one-third to A. J. Ingrom, Atlanta, Ga. Safety knife. 2,474,609, June 28.
Wolf, Paul A.: *See*—
Coleman, Gerald H., and Wolf.
Wolfe, Paul, assignor of one-half to R. V. Mealey, St. Paul, Minn. Play hat. 2,474,507, June 28.
Wood, Alfred E., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread-trimming and pull-off mechanism for sewing machines. 2,474,710, June 28.
Wood Conversion Company, assignee: *See*—
Heritage, Clark C.
Wood, Elton J., Hopewell, N. J., assignor to Radio Corporation of America. Making phosphor materials. 2,474,506, June 28.
Wood, Eric W., assignee: *See*—
Smith, George W., Jr.
Wood, Henry W.: *See*—
Kendall, John D., Suggate, and Wood.
Woodruff, Francis J., Detroit, Mich. Folding table with paired legs. 2,474,450, June 28.
Woolcott, Arthur J.: *See*—
Howlett, John W., and Woolcott.
Wunsch, Elton P., Providence, R. I. Quantitative deceleration indicator. 2,474,610, June 28.
Wyandotte Chemicals Corporation, assignee: *See*—
Burkard, Perle N., and McNabney.
Wyer, John M., Perton, Pattingham, near Wolverhampton, England. Suction-operated chuck. 2,474,608, June 28.
Wylie, Thomas, Twickenham, England. Mounting of fan units in ventilating shafts. 2,474,611, June 28.
Yates, Cecil F.: *See*—
Stephens, Foaster M., and Yates.
Yonkers, Edward H., Jr., Chicago, Ill., and R. R. Pittman, Pine Bluff, Ark. Protective system for electric lines. 2,474,711, June 28.
Young, David W.: *See*—
Brakeley, Paul W., Jr., and Young.
Young, David W., Roselle, and P. W. Brakeley, Jr., Plainfield, N. J., assignors to Standard Oil Development Company. Hydrocarbon oil compositions. 2,474,342, June 28.
Young, John E., Merchantville, N. J., assignor to Radio Corporation of America. High-frequency circuits. 2,474,769, June 28.
Young, L. A., Spring & Wire Corporation, assignee: *See*—
Justice, Jesse L.
Young, Norman H., Jr., Jackson Heights, assignor to Federal Telephone & Radio Corporation, New York, N. Y. Combination television receiver and picture projector. 2,474,297, June 28.
Yount, Stanley G., Los Angeles, and P. R. Halstead, Compton, assignors to Southland Paper Converting Company, Los Angeles, Calif. Bag and making the same. 2,474,770, June 28.
Zabel, William C. P., and R. C. Helfenbein, assignors to Plasmetl Corporation, Chicago, Ill. Culinary utensil. 2,474,451, June 28.
Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Fluid wheel. 2,474,208, June 28.
Zimmer, John C.: *See*—
Wasson, Jones I., and Zimmer.
Zoromskis, Stanley M., Kenosha, Wis. Piston for high-compression engines. 2,474,564, June 28.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF JUNE, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Spoon, shovel, or the like implement with a pusher member. A. W. Tanner. 23,130, June 28.
Tape dispenser. J. A. Borden. 23,129, June 28.
Tuned microwave wattmeter. H. E. Webber. 23,131. June 28.

LIST OF PLANT INVENTIONS

Juniper tree. S. Wilmore. 848. June 28.
Polyantha rose plant. C. G. Duebraen. 851, June 28.
Rose plant. J. D. Brownell. 849, June 28.
Rose plant. A. Krebs. 850, June 28.

LIST OF DESIGN INVENTIONS

Airplane. E. H. Heinemann and L. J. Devlin. 154,273, June 28.
Ash tray or similar article. J. J. McCabe. 154,295, June 28.
Badge or similar article. F. Brook and S. Wager. 154,236–9, June 28.
Ball, Rubber play. J. M. Gapstur and R. E. Long. 154,259–60, June 28.
Bottle. R. Estrin. 154,257, June 28.
Bracket, Wall. H. P. Sharits. 154,336, June 28.
Brooch or similar article. A. Katz. 154,281, June 28.
Brooch or similar article. A. Katz. 154,283–5, June 28.
Brooch or similar article. A. Philippe. 154,306–7, June 28.
Brooch or similar article, Separable. A. Katz. 154,279, June 28.
Cabinet, Ironing. G. E. Kennedy. 154,288, June 28.
Candelabrum. G. R. Banker. 154,231, June 28.
Case or the like, Hand luggage. C. Doppelt. 154,247, June 28.
Casing head for weighing scales or similar article. G. D. Barok. 154,232, June 28.
Chain for a bracelet or similar article, Link. M. Chernow. 154,240, June 28.
Coin or token device for automobiles, Toll. A. Zitenfeld and J. Weil. 154,353–4, June 28.
Container, Perfume. W. Appleby. 154,228, June 28.
Copying apparatus, Document. A. E. Schubert, T. G. Clement, and J. F. Egan. 154,332, June 28.
Cutter, Cookie. S. W. and R. C. Price. 154,309–21, June 28.
Dispenser, Beverage. J. Levin. 154,291, June 28.
Dispensing machine. H. T. Roberts. 154,325, June 28.
Display box, Perfume. E. N. Graham. 154,260, June 28.
Display sign. J. Morgan. 154,299, June 28.
Display stand. F. Van Cleef. 154,350, June 28.
Fabric or similar article, Textile. M. R. Hamre. 154,267–9, June 28.
Fabric, Printed. B. Eckstein. 154,250, June 28.
Fabric, Textile. H. Horn. 154,275, June 28.
Fabric, Textile. D. Stapler. 154,344, June 28.
Finding for jewelry. A. Katz. 154,282, June 28.
Fishing reel. O. W. Pies. 154,308, June 28.
Fixture, Lighting. N. E. Palmquist. 154,302, June 28.
Flashlight or similar article, Wrist. S. Schwartz. 154,333, June 28.
Flask. M. Goldberg. 154,263, June 28.
Floor light for drive-in theatres or the like, Combination ramp identification and driveway. G. P. Heller. 154,274, June 28.
Floor, Tile, and wall covering. J. E. Ryan. 154,328, June 28.
Football game toy. S. L. Beder. 154,235, June 28.
Frame or similar article, Picture. G. D'Angelo. 154,244, June 28.
Front for a goggle frame. N. T. Baldanza. 154,230, June 28.
Grinder. H. H. Crawford. 154,243, June 28.
Guard for child's chair. J. G. Helm. 154,271, June 28.
Handbag and spectacle holder, Combined. A. R. Schiff. 154,329, June 28.
Handle, Nonrolling torque tool. H. B. Roysher. 154,326, June 28.
Hanger, Garment. W. B. Crane and M. Treiman. 154,242, June 28.
Holder and dispenser, Combined cigarette. M. J. Schipper. 154,330, June 28.
Holder for brooms or the like. C. L. Hawn. 154,270, June 28.
Holder for condiment containers. J. Kauffman and R. V. Smith. 154,287, June 28.
Humidor and pipe tray, Combination tobacco. J. Gottlieb. 154,265, June 28.
Iron, Electric. C. Karstadt. 154,278, June 28.
Lamp. J. F. Davidson. 154,245, June 28.
Lamp, Hurricane. A. E. Frontier. 154,258, June 28.
Lamp, Pin-up. T. J. Smith. 154,338, June 28.
Lamp, Table. S. Wetterhahn. 154,352, June 28.
Lantern, Projection. C. F. Dutton. 154,249, June 28.
Lawn mower. R. H. Ensign. 154,256, June 28.
Lighter, Table. H. Negbaur. 154,301, June 28.
Mailbox. A. J. Batzler. 154,224, June 28.
Memorandum pad or similar article. N. Marlow. 154,294, June 28.
Nail file. J. M. Alvizus. 154,227, June 28.
Necklace or similar article. A. Philippe. 154,304–5, June 28.
Negligee. V. Giovagnoni. 154,262, June 28.
Ornament, Automobile hood. A. R. Russell. 154,327, June 28.
Piano. W. Millington and W. M. Day. 154,296, June 28.
Pin clip or similar article. A. Katz. 154,280, June 28.
Pitcher. E. S. Tupper. 154,348, June 28.
Plate or the like. H. A. Silverman. 154,337, June 28.
Polishing device, Toe nail. P. Reid. 154,324, June 28.
Rack, Cigarette package. N. E. Durbin. 154,248, June 28.
Register, Autographic. R. Katz. 154,286, June 28.
Register, Sales meter. C. F. Ramsay. 154,322, June 28.
Regulator or similar article, Carbon pile. E. R. Davis. 154,246, June 28.
Rewinding device for bandage material. C. Cramer. 154,241, June 28.
Ring. A. D. Bastien. 154,233, June 28.
Shoe or similar article, Lady's. D. E. Levin. 154,290, June 28.
Spoon or other article of flatware. A. Litvin. 154,292, June 28.
Stand of drawers. P. G. Goldman. 154,264, June 28.
Stand or similar article, Calendar. C. N. Montanye. 154,298, June 28.
Stand, Silverware polishing. A. S. Seager. 154,334, June 28.
Stove, Heating. H. G. Lankford, Jr. 154,280, June 28.
Support, Radial saw. M. V. Tracy. 154,347, June 28.
Sweater or similar article. B. Ehrenreich. 154,251–4, June 28.
Sweeper, Carpet. T. M. Mock and H. H. Weber. 154,297, June 28.
Swing or similar article. S. E. Jones. 154,270, June 28.
Table top, Game. M. M. Warner. 154,351, June 28.
Teeter, Child's. J. H. Reed. 154,323, June 28.
Toe protector and metatarsal support, Combined. L. Karlen. 154,277, June 28.

Tongs. E. K. Sechrist and D. T. Offord. 154,335, June 28.
Tool, Brake adjusting. W. F. Schnitger and E. C. Southall. 154,331, June 28.
Tool, Garden. G. Pavlinetz. 154,303, June 28.
Toothbrush, container and holder, Combined. W. B. England. 154,255, June 28.
Toy article-dispensing device. J. Markoe. 154,293, June 28.
Tray, Enema. V. C. Thompson. 154,346, June 28.
Tray for child's chair. J. G. Helm. 154,272, June 28.
Tray or similar article, Letter. B. M. Morris. 154,300, June 28.
Tub or similar article. W. E. Ackermann. 154,220, June 28.
Typewriter. S. A. Thompson. 154,345, June 28.
Valise or similar article. R. H. Arbib. 154,229, June 28.
Valve, Liquid dispensing. B. B. Gilmore. 154,261, June 28.
Vehicle, Juvenile. W. I. Smith. 154,339–43, June 28.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF JUNE, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive strip holder. A. G. Olafson. 2,474,546, June 28.
Absorber and stabilizer, Shock. C. H. Dolan, II. 2,474,471, June 28.
Absorbing device, High-frequency radiant energy. D. E. Sunstein. 2,474,384, June 28.
Air cleaner. R. Lopez and B. Allen. 2,474,746, June 28.
Air duct control. K. L. Babcock. 2,474,455, June 28.
Alarm system, Burglary or fire. D. Parilla. 2,474,757 June 28.
Alcohol process. C. E. Morrell and R. F. Robey. 2,474,588, June 28.
Alkylaminoalkyl esters of alicyclyl-alicyclic carboxylic acids. M. G. Van Campen, Jr., and C. H. Tilford. 2,474,796, June 28.
Allyl diglycolyl allyl glycolate. H. T. Neher, E. H. Kroeker, and W. J. Croxall. 2,474,686, June 28.
Altitude control. R. L. Divoll. 2,474,618, June 28.
Amplifier, Vacuum tube. R. C. Moore. 2,474,435, June 28.
Amplitude modulated time modulated pulse system. D. D. Grieg. 2,474,244, June 28.
Antenna, Adjustable. C. K. Gieringer. 2,474,242, June 28.
Antenna, Single null loop. M. Y. Eck and J. J. Hodapp. 2,474,238, June 28.
Antenna system. G. P. Kearse. 2,474,480, June 28.
Antiskid device. A. F. Warden and L. A. Harry. 2,474,291, June 28.
Antitipping device for baby carriages. H. D. Schwarzbaum. 2,474,804, June 28.
Anvil with nut-positioning sleeve, Clinch nut. W. Stever. 2,474,501, June 28.
Apparatus for decarburizing steel. G. V. Slottman. 2,474,701, June 28.
Apparatus for forming glass articles. D. B. Westin. 2,474,708, June 28.
Apparatus for halving and pitting apricots. Joseph and J. Perrelli. 2,474,492, June 28.
Apparatus for heating tires. J. L. Daum, R. A. McCloud, and T. P. Bacon. 2,474,517, June 28.
Apparatus for making sinuous bends in long workpieces. A. W. Payne. 2,474,276, June 28.
Apparatus for reproducing characters and the like. S. H. Tillett and B. D. Feild. 2,474,406, June 28.
Appliance, Hand operable indicating. C. J. J. Lowe. 2,474,432, June 28.
Applicator for yarns, threads, and the like, Wax. M. B. Coleman and J. R. Bennington. 2,474,346, June 28.
Arc welding composition and making same. G. G. Landis and V. Peters. 2,474,787, June 28.
Article of furniture, Reclining. A. Lorenz. 2,474,265, June 28.
Articulator, Dental. W. W. Moore. 2,474,488, June 28.
Artificial fibers, Manufacture of. E. T. Cline. 2,474,617, June 28.
Artificial stone walls, Manufacturing. D. F. Carlson. 2,474,654, June 28.
Artificial teeth, Forming. E. B. Kelly. 2,474,676, June 28.
Assembly and spacer therefor, Piston ring. H. P. Phillips. 2,474,403, June 28.
Attachment for hosiery machines. J. B. Hardison. 2,474,246, June 28.
Attachment for self-loading trucks, Shovel. M. Graves and A. Lankovski. 2,474,418, June 28.
Attachment for sewing machines, Top feed and alternating presser. R. J. Salier. 2,474,282, June 28.
Attachment, Self-feeder. G. Rankenburg. 2,474,368, June 28.
Attenuator. J. M. van Beuren. 2,474,794, June 28.
Attenuator for high-frequency pickup devices. J. M. van Beuren. 2,474,795, June 28.
Automatic fishing reel. A. D. Maury and A. T. Lyon. 2,474,541, June 28.
Automatic instantaneous electric water heater. J. E. Pitts, Jr. 2,474,637, June 28.
Azo compounds from 1-di-n-butylamino-2-nitro-butane. E. F. Degering and G. van Blema. 2,474,779, June 28.
Azo compounds from 1-N-morpholino-2-nitro propane. E. F. Degering and G. van Blema. 2,474,780, June 28.
Bag and making the same. S. G. Yount and P. R. Halstead. 2,474,770, June 28.
Balancing device, Brakehead. N. Flesch. 2,474,239, June 28.
Ball hitch for automobiles, Sliding. R. V. Crosley. 2,474,231, June 28.
Ballast lamp. W. C. Ellis, L. H. La Forge, Jr., and A. H. White. 2,474,473, June 28.
Basic-alkyl esters and their salts. F. F. Blicke. 2,474,651, June 28.
Bath for treating stainless steel products, Salt. A. F. Holden. 2,474,674, June 28.
Battery, Salt-water. J. T. Beechlyn. 2,474,716, June 28.
Bearing: *See*—
Reversible bearing.
Beater element for pulverizing apparatus. O. Craig. 2,474,305, June 28.
Bee comb foundation frame. L. B. and N. B. Smith. 2,474,382, June 28.
Belt loader. A. L. Bureau. 2,474,218, June 28.
Binder, Loose-leaf post. S. Segal. 2,474,698, June 28
Block: *See*—
Snatch block.
Blood treating apparatus, Pneumatic. J. R. Guarino. 2,474,665, June 28.
Bobbin holder for spinning and twisting frames. E. J. Abbott. 2,474,210, June 28.
Bobbin retainer for weft replenishing mechanisms. A. C. Krukonis. 2,474,632, June 28.
Bobbin tip support means for weft replenishing looms. R. G. Turner. 2,474,641, June 28.
Bolt with gauge members, Breech. A. Kurti. 2,474,743, June 28.
Bomb, Aerial. R. L. Kinion. 2,474,256, June 28.
Boot for horses, Quarter. A. E. Warren. 2,474,446, June 28.
Bottle support. J. E. Du Bois. 2,474,416, June 28.
Box: *See*—
Flower holder and box. Foldable compartment box.
Box for electric lines, Junction. A. Rothfuchs. 2,474,328, June 28.
Box for water tube boilers, Wall. G. P. Reintjes. 2,474,548, June 28.
Bracket attachment for motor vehicle windows. P. H. Behrens. 2,474,513, June 28.
Bracket for shades, curtains and draperies. S. A. Cavalier. 2,474,414, June 28.
Brake fluid pumping apparatus, Hydraulic. J. C. McMurray. 2,474,748, June 28.
Brake mechanism, Self-adjusting hydraulic. T. E. Miller. 2,474,749, June 28.
Brake with adjustable work stop and clamping means, Bending. V. F. Linder. 2,474,683, June 28.
Brassière. S. Silbert and H. Folb. 2,474,609, June 28.
Brazing cemented carbides to steel. C. D. Webb. 2,474,643, June 28.
Breakwater, Permeable. H. J. Humphrey. 2,474,786, June 28.
Breaker, Circuit. E. V. Sundt. 2,474,762, June 28.
Broiler and door assembly, Cooking stove. J. M. Cook and R. C. Lang. 2,474,225, June 28.
Bronzing materials. C. S. Fleming. 2,474,520, June 28.
Brush mechanism. C. A. Thomas. 2,474,601, June 28.
Brush, Selector. G. Deakin. 2,474,233, June 28.
Buckle. L. C. Schmith. 2,474,372, June 28.
Bucker, Convertible ice. H. J. Wieden, P. C. Traphagen, and E. F. Stoner. 2,474,563, June 28.
Burner and pilot, Gas. P. J. Patch. 2,474,547, June 28.
Calculator, Octantal error. G. Swift and C. B. Moore. 2,474,288, June 28.
Camera for photographing objects moving relatively to the camera. G. Rattray. 2,474,323, June 28.
Camera view and range finder. A. Simmon. 2,474,379, June 28.
Carbohydrate foods resistant to microorganisms, Making. G. H. Coleman and P. A. Wolf. 2,474,227, June 28.
Carbohydrate-rich foods resistant to microorganisms, Making liquid. G. H. Coleman and P. A. Wolf. 2,474,226, June 28.
Carrier: *See*—
Hat carrier.
Carton. F. C. Gluck. 2,474,783, June 28.
Carton. R. Guyer. 2,474,476, June 28.
Carton, Triple-edge reclosing. R. Guyer. 2,474,523, June 28.
Case: *See*—
Water filter carrying case
Casing structure, Hinged. P. J. Graham. 2,474,811, June 28.
Catalytic dehydrogenation of piperazine. J. K. Dixon. 2,474,782, June 28.
Cathode support. C. V. Litton. 2,474,263, June 28.
Cellulose saccharification. A. Hereng. 2,474,669, June 28.
Cellulosic products. L. Doub. 2,474,306, June 28.

Chain and mounting device therefor, Tire. J. G. Fogarty. 2,474,521, June 28.
Chair: *See*—
Easy chair.
Chair and table unit, Combination. M. C. Ivory. 2,474,252, June 28.
Chlorinated methylchlorosilanes and their hydrolysis products. W. F. Gilliam. 2,474,578, June 28.
Chloropyrenes, Manufacture of. P. G. Carter. 2,474,777, June 28.
Chuck, Air operated. J. B. Amstutz and O. E. Fierob. 2,474,771, June 28.
Chuck, Automatic lathe. J. F. Marshall. 2,474,633, June 28.
Chuck, Suction-operated. J. M. Wyer. 2,474,508, June 28.
Circuit: *See*—
Flow control circuit. Pulse receiving circuit.
Circuit arrangement for producing a saw-tooth current in the deflection coil of a cathode-ray tube and for producing a direct voltage for this tube. J. Haantjes and B. W. V. Schenau. 2,474,666, June 28.
Circuit breaker, Backfire. D. L. Miller. 2,474,487, June 28.
Circuit for cathode-ray apparatus deflection systems, Power recovery. A. W. Friend. 2,474,474, June 28.
Clamp. M. S. Lipman and W. W. Godon. 2,474,431, June 28.
Cleaner: *See*—
Air cleaner.
Cleaning apparatus, Air. J. L. Hart, Jr. 2,474,478, June 28.
Cleaning device, Tooth. M. J. McCaughley. 2,474,684, June 28.
Clothespin, Spring. G. R. Morton. 2,474,753, June 28.
Coating apparatus, Web. W. A. Roehm. 2,474,691, June 28.
Coaxial line termination. H. G. Nordlin. 2,474,272, June 28.
Coil having a slidable core and establishing the ratio between the maximum and minimum inductance thereof. T. A. Spoor. 2,474,761, June 28.
Coil shaping apparatus. F. E. Hook and R. O. Riggs. 2,474,528, June 28.
Coil supporting means. E. F. Lapham, Jr. 2,474,259, June 28.
Collapsible tie rack. P. Pestyner. 2,474,436, June 28.
Collecting and separating apparatus. C. B. Schneible and A. S. Lundy. 2,474,695, June 28.
Column assembly, including pressure fluid motors for moving objects longitudinally and angularly. A. L. Stone. 2,474,336, June 28.
Comb. G. F. Benco. 2,474,212, June 28.
Comb and file, Combination. E. V. Boudreaux. 2,474,570, June 28.
Communication and posting system. E. L. Schmidt. 2,474,438, June 28.
Commutation system and its application, especially to the scanning in television, Electrolonic. P. M. G. Toulon. 2,474,338, June 28.
Communication system, Multichannel carrier. K. G. Hodgson and F. Fairley. 2,474,249, June 28.
Communication system with automatic answer back and alarm signals, Telegraphic. E. E. Kleinschmidt. 2,474,257, June 28.
Compact forced-air heater. W. C. Parrish. 2,474,687, June 28.
Composition and production thereof, Concrete. F. Sladick, Sr. 2,474,381, June 28.
Compositions, Hydrocarbon oil. D. W. Young and P. W. Brakeley, Jr. 2,474,342, June 28.
Compressor, Multistage. G. Aue. 2,474,410, June 28.
Compressor or motor, Helical gear. G. K. W. Boestad. 2,474,653, June 28.
Concrete form board fastener. V. H. Moore. 2,474,587, June 28.
Connector: *See*—
Electrical connector. Flexible connector.
Control apparatus for cabins of aircraft, Temperature. H. T. Sparrow. 2,474,441, June 28.
Control apparatus for guns, Fire. M. K. Ingoldby. 2,474,739, June 28.
Control apparatus, Rate of movement. L. K. Hyde. 2,474,424, June 28.
Control circuits, Automatic frequency. G. Guanella. 2,474,354, June 28.
Control device, Safety. M. Dach. 2,474,232, June 28.
Control for electric motors. M. C. Richardson. 2,474,595, June 28.
Control for vapor discharge tubes and electric arcs. E. H. Haug. 2,474,525, June 28.
Control means for airplane landing gear for landing cross-wind. C. R. Jamison. 2,474,630, June 28.
Control mechanism for positioning a mast in alternate, predetermined positions. A. C. Middleton. 2,474,486, June 28.
Control mechanism for tractors, Automatic brake setting and clutch release. M. J. Smies. 2,474,598, June 28.
Control mechanism, Power plant. A. F. Schwendner. 2,474,697, June 28.
Control of dynamoelectric machines, Speed. E. A. Binney. 2,474,647, June 28.
Control of flying-wing aircraft. J. Lloyd. 2,474,585, June 28.
Control system, Air circulation. W. A. Ray. 2,474,369, June 28.
Control system for alternating currents, Electric winch. K. Mahnke. 2,474,267, June 28.
Control system for dynamoelectric machines, Automatic. W. F. Fell and E. S. Smith. 2,474,732, June 28.
Control unit, Shunt. J. L. and J. I. Stender. 2,474,600, June 28.
Controller, Coiling machine. D. W. Fath. 2,474,620, June 28.
Controlling device for wave guides, Transmission. R. M. Pease. 2,474,688, June 28.
Cooler: *See*—
Oil cooler.
Copolymers of vinyl isocoumarans with ethylenically unsaturated compounds and obtaining same. A. L. Barney. 2,474,612, June 28.
Copolymers of vinyl isocoumarans with 1,3-dienes and process for obtaining same. A. L. Barney. 2,474,614, June 28.
Copolymers of vinyl isocoumarans with styrenes and obtaining same. A. L. Barney. 2,474,613, June 28.
Cot, Protective. S. J. Krausnak. 2,474,535, June 28.
Coupling: *See*—
Reversible hydraulic coupling.
Coupling cooling. J. C. Busquet. 2,474,615, June 28.
Coupling for piping. J. Muller. 2,474,319, June 28.
Crystal structures, Piezoelectric. K. K. Garrison. 2,474,241, June 28.
Cuprous hydroxide and cuprous oxide, Production of. P. J. Rowe. 2,474,497, June 28.
Cuprous oxide, Preparation of. L. C. Klein. 2,474,533, June 28.
Cushion or mattress unit. E. J. Wines. 2,474,768, June 28.
Cutlery construction. J. G. Jackson. 2,474,425, June 28.
Dampening system, Gas line pulsation. F. M. Stephens. 2,474,555, June 28.
Dehydration of compounds by distillation with hydrophobic oil. W. S. Harmon. 2,474,735, June 28.
Dehydrator. C. O. Glasgow. 2,474,475, June 28.
Desk and table combination. A. Schomburg. 2,474,596, June 28.
Detector and signal for ducts, Smoke. C. N. Cahusac, 2,474,221, June 28.
Detector, Radiation. W. R. Baker. 2,474,773, June 28.
Detergent, Soapless-germicidally active. F. C. Bersworth. 2,474,412, June 28.
Device for applying new tread material to tires. T. P. Bacon, Jr. 2,474,511, June 28.
Device for filing type matrices. C. A. Carlton. 2,474,465, June 28.
Device for modifying electrical signals. A. Simmon. 2,474,380, June 28.
Device for sharpening cutlery. W. E. Fleming. 2,474,623, June 28.
Device for sharpening cutlery. W. E. and E. C. Fleming. 2,474,622, June 28.
Diaper support. H. B. Carter. 2,474,724, June 28.
Dilution and hydrolysis of diethyl sulfate solutions. L. A. Bannon. 2,474,569, June 28.
Dilution and hydrolysis of diethyl sulfate solutions. L. A. Bannon and C. E. Morrell. 2,474,568, June 28.
Dimmer device for indicating lamps. H. R. Kirkland. 2,474,677, June 28.
Discharge device, Electron. R. R. Back. 2,474,211, June 28.
Disengaging device, Belt. R. M. Barth. 2,474,457, June 28.
Dispenser: *See*—
Flint dispenser.
Dispenser for facial tissues. S. Golden. 2,474,784, June 28.
Dispensing device with bulb pump, Liquid. D. L. Spender and G. L. Butler. 2,474,442, June 28.
Dispensing means. A. L. Lambert and E. C. Franco-Ferreira. 2,474,744, June 28.
Display device and easel, Foldable. L. Ebert. 2,474,659, June 28.
Distributor for burner nozzles, Pulverized fuel. F. T. Hague. 2,474,477, June 28.
Domestic electric heater. C. C. Doyle. 2,474,472, June 28.
Drier: *See*—
Hair drier.
Drill holder and like tool. C. de la Source. 2,474,726, June 28.
Drilling fluid for heaving shale, Aqueous base. R. A. Salathiel. 2,474,330, June 28.
Drive, Flexible. J. E. Collins. 2,474,847, June 28.
Drive for tools, Ratchet. G. G. Shurtleff. 2,474,877, June 28.
Drum type induction furnace. M. Tama and J. L. Hoff. 2,474,443, June 28.
Dyestuffs and dyestuff intermediates, Cyanine. J. D. Kendall, H. G. Suggate, and H. W. Wood. 2,474,426, June 28.
Dyestuffs, Diphenylamine sulfonamide. G. W. Seymour, V. S. Salvin, and W. D. Jones. 2,474,333, June 28.
Dyestuffs, Monoazo. B. J. Heywood. 2,474,736–7, June 28.
Dynamoelectric machine. E. A. Binney. 2,474,648, June 28.
Easy chair. S. Shwarzowsky. 2,474,597, June 28.

Electric fan and electric heater assembly, Combined. J. T. Ransch and G. Towne. 2,474,594, June 28.
Electric motor. L. E. Segesman. 2,474,439, June 28.
Electric pressure indicator. R. C. Fuller. 2,474,662, June 28.
Electric water heater. P. C. Jones. 2,474,361, June 28.
Electrical connector. H. E. Goldstine and O. F. Voigt. 2,474,310, June 28.
Electrical distribution jack. E. W. Harris. 2,474,356, June 28.
Electrical plug. R. L. Avery. 2,474,454, June 28.
Electrode, Floating. S. W. Werner. 2,474,340, June 28.
Electromagnetic pump. J. W. Dickey and M. M. Henry. 2,474,349, June 28.
Electromagnetic switch. C. W. Kuhn. 2,474,742, June 28.
Electron discharge devices, Getter structure for. A. M. Skellett. 2,474,335, June 28.
Electron tube. P. G. Chevigny. 2,474,223, June 28.
Electronic switch. T. H. Clark. 2,474,224, June 28.
Enamel opacification and process, Vitreous H. and R. A. Oesterle. 2,474,636, June 28.
Engine: *See*—
Internal-combustion engine. Jet engine.
Engine conditioning compounds, Internal-combustion. R. I. Potter and H. Gillett. 2,474,437, June 28.
Excavating apparatus, Vertical shaft. A. A. Putnam. 2,474,803, June 28.
Expandable curling rod. J. Whyte. 2,474,449, June 28.
Extractor: *See*—
Fruit juice extractor.
Split ring retainer extractor.
Fabric reinforcement. R. G. Olson. 2,474,273, June 28.
Fabricated article, Shaped. H. E. Shearer and J. E. Van Nest. 2,474,375, June 28.
Fastener: *See*—
Concrete form board fastener. Rail fastener.
Fastener. W. Drus. 2,474,799, June 28.
Fastener for tumbling barrels, Closure. R. E. Gogema. 2,474,461, June 28.
Fastening means for camera covers. J. A. Henne. 2,474,307, June 28.
Fastening means for trousers and other garments. M. M. Isaacs. 2,474,629, June 28.
Fibrous sheets formed from an aqueous suspension of a mixture of fibers and butadiene-styrene copolymer. A. F. Owen. 2,474,801, June 28.
Firing the chamber of kilns. E. Blaha. 2,474,301, June 28.
Fish bait, Weedless artificial. A. H. Suhr. 2,474,383, June 28.
Fish lure. E. Kleppen and I. B. Hansen. 2,474,481, June 28.
Fishing float. H. C. Schwabe. 2,474,498, June 28
Fitting, Rail. J. C. Denler. 2,474,727, June 28.
Fixture for holding work to be ground, Magnetic. R. G. Nill. 2,474,800, June 28.
Flexible connector. L. R. and K. I. Robinson, and E. O. Berger. 2,474,690, June 28.
Flint dispenser. I. Shprentz. 2,474,630, June 28.
Floor covering of resilient pliable coated material, Composition. W. R. Walker. 2,474,767, June 28.
Flow control circuit. A. M. Lane. 2,474,681, June 28.
Flower holder and box. R. I. McLellan. 2,474,543, June 28.
Fluid for heaving shale, Drilling. R. A. Salathiel. 2,474,329, June 28.
Fluid heater. B. E. Mustee. 2,474,401, June 28.
Fluid wheel. R. C. Zeidler. 2,474,298, June 28.
Fly reel seat. R. L. Burden. 2,474,343, June 28.
Flywheel. S. D. Russell. 2,474,370, June 28.
Foldable compartment box. E. Morand. 2,474,751, June 28.
Folded table with paired legs. F. J. Woodruff. 2,474,450, June 28.
Fountain device, Bubble. L. H. Snyder. 2,474,286, June 28.
Fountain pen, Ball point. H. H. Band 2,474,300, June 28.
Fountain, Poultry drip. C. De La Grange. 2,474,469, June 28.
Frame: *See*—
Bee comb foundation frame.
Frames pivotally connected by stretch producing hinges, Bending. E. V. Block. 2,474,652, June 28.
Frequency modulated oscillator control. R. H. Ranger. 2,474,278, June 28.
Fruit juice extractor. H. C. Johnson. 2,474,390, June 28.
Furnace: *See*—
Drum type induction furnace.
Furniture. R. C. Herbolsheimer. 2,474,608, June 28.
Fuse, Grenade. M. Burden, Jr. 2,474,217, June 28.
Fused cast alumina refractory. J. C. McMullen. 2,474,544, June 28.
Game block of nonmagnetizable material having a magnetizable strip concealed in one end thereof. E. R. Munn. 2,474,365, June 28.
Game board of the lotto type. A. H. Cohen. 2,474,573, June 28.
Garment. M. Michel. 2,474,400, June 28.
Gas burner for furnace walls, Incandescent. F. O. Hess. 2,474,313, June 28.
Gas separator. E. S. Marsh. 2,474,540, June 28.
Gasket centering means. J. Rossman. 2,474,790, June 28.
Gauge: *See*—
Toe gauge. Valve gauge.
Gauge for external measurements of cylindrical bodies. F. M. Poole. 2,474,802, June 28.
Generating clutch teeth for extended intimate contact. N. L. Cobb. 2,474,393, June 28.
Generating system, Pulse. H. G. Busignies. 2,474,219, June 28.
Generating system, Pulse. E. M. Gatlund and P. W. Sokoloff. 2,474,275, June 28.
Generator: *See*—
Step wave generator.
Glassware-forming apparatus. E. Danner. 2,474,302, June 28.
Governor. J. L. Ray. 2,474,324, June 28.
Governor, Two-speed. W. M. May and L. E. Burgess. 2,474,316, June 28.
Grinder, Drill. E. E. Haynes. 2,474,357, June 28.
Gun mount for aircraft, Flexible. M. Watter. 2,474,560, June 28.
Gun mount for aircraft. Flexible. M. Watter and H. W. Doherty. 2,474,561, June 28.
Gyroscope. J. F. Schoeppel. 2,474,549, June 28.
Hair drier. E. K. Kending. 2,474,427, June 28.
Hanger: *See*—
Retractable clothesline hanger. Self-locking garment hanger.
Harvester, Combine. F. H. Templeton. 2,474,557, June 28.
Hat carrier. R. Beaudoin. 2,474,458, June 28.
Hayfork, Hydraulic. D. C. Shattuck. 2,474,374, June 28.
Headband and earphone mounting. J. Volkmann. 2,474,386, June 28.
Heater: *See*—
Automatic instantaneous electric water heater. Domestic electric heater. Electric water heater.
Compact forced-air heater. Fluid heater.
Heater burner, particularly fuel delivery and igniting means therefor. T. E. Spackman. 2,474,702, June 28.
Heater for hot-water furnaces, Oil. J. E. Craddock. 2,474,574, June 28.
Heating and ventilating system. R. M. Dilworth. 2,474,394, June 28.
Heating apparatus. A. W. Conley. 2,474,407, June 28.
Heating apparatus for burning a liquid fuel spray. G. A. Gillen. 2,474,417, June 28.
Heating apparatus, High-frequency dielectric. L. B. Himmel. 2,474,420, June 28.
Heating coil providing distribution of heating effect, Induction. T. H. Story. 2,474,703, June 28.
Heating device for hot cathode tubes. M. G. Favre. 2,474,575, June 28.
Heating system. L. A. Williams, Jr. 2,474,709, June 28.
Heating system, Electric. W. G. Grabeau. 2,474,664, June 28.
Helicopter. T. S. Keranen. 2,474,362, June 28.
Hexanebisdibutylamide as plasticizer for butadiene-acrylonitrile co-polymer. A. W. Campbell. 2,474,776, June 28.
High-frequency circuits. J. E. Young. 2,474,769, June 28.
High-speed precision limit bridge arrangement and method. A. L. Rossoff. 2,474,692, June 28.
Hoe stand. J. F. Hendrix. 2,474,579, June 28.
Holder: *See*—
Abrasive strip holder. Napkin holder. Sectional hinged fold holder.
Hot dog machine. A. E. Aff. 2,474,390, June 28.
Hull, Speedboat. R. L. Harvey. 2,474,667, June 28.
Hydraulic fishing tool. J. A. Armitage. 2,474,463, June 28.
Hydraulically operated brake valve. C. Hollerith. 2,474,738, June 28.
Hydrocarbons from oil shale, Recovery of. A. Clark and H. R. Sailors. 2,474,345, June 28.
Ice cream machine with perforated screw agitator. G. H. G. and J. P. C. Espinasse. 2,474,730, June 28.
Ignition system. J. L. Arthur. 2,474,510, June 28.
Ignition system. B. H. Short and H. L. Hartzell. 2,474,550, June 28.
Impact device, Pneumatic. O. C. Dresser, O. Norgorden, F. J. Shanahan, and C. R. Shuler. 2,474,235, June 28.
Increasing the aromaticity of hydrocarbon oil. J. F. Black. 2,474,213, June 28.
Indicating device for polyphase systems, Phase failure. V. J. Terry and R. Kelly. 2,474,290, June 28.
Indicator: *See*—
Electric pressure indicator. Radio-frequency in-phase indicator.
Quantitative deceleration indicator. Wall thickness indicator.
Indicator. H. Hurvitz. 2,474,628, June 28.
Indicator for aircraft, Position. J. A. MacLeod. 2,474,537, June 28.
Ingots, Heating. C. H. West. 2,474,504, June 28.
Inhibition of corrosion in wells. P. S. Viles and E. Q. Camp. 2,474,603, June 28.
Injection apparatus, Fuel. J. R. Hale. 2,474,419, June 28.
Injection pump. R. C. Groves. 2,474,396, June 28.

Instrument, Control. J. P. Vollrath. 2,474,208, June 28.
Instrument for machined parts, Testing. J. B. Lovick. 2,474,482, June 28.
Insulin preparations. P. Durel and P. Dubost. 2,474,729, June 28.
Internal-combustion engine. C. H. Jelley. 2,474,631, June 28.
Isobutylene with a diolefin, Polymerization of. F. A. Palmer. 2,474,592, June 28.
Jack: *See*—
  Electrical distribution jack.
Jack base, Safety. H. C. Clark, Jr. 2,474,725, June 28.
Jar. J. S. Beck. 2,474,459, June 28.
Jet engine. V. Isacco. 2,474,359, June 28.
Jig for swivel links. C. G. Fago. 2,474,289, June 28.
Jig, Type pallet aligning. G. G. Dorr. 2,474,658, June 28.
Jiggering machine for forming articles of plastic clay. H. F. Allen. 2,474,509, June 28.
Joint: *See*—
  Universal joint.
Keratin derivatives and preparation thereof. W. H. Ward and C. H. Binkley. 2,474,339, June 28.
Ketones, Reduction of. P. J. Breivogel. 2,474,216, June 28.
Kit, Fisherman's. O. A. Montgomery. 2,474,752, June 28.
Knife, Safety. A. C. Wolf. 2,474,609, June 28.
Knockdown stand or table. C. P. Molla. 2,474,318, June 28.
Lamp: *See*—
  Ballast lamp.
Lamp and its low-tension ignition, Arc. D. Reichinstein. 2,474,403, June 28.
Landing gear for aircraft, Retractable. R. Saulnier. 2,474,694, June 28.
Lasting machine. J. Fossa. 2,474,307, June 28.
Lath and manufacture thereof, Backed. L. W. Cross. 2,474,778, June 28.
Lawn mower, Power. P. W. Hainke. 2,474,524, June 28.
Lawn mower, Two-speed. S. P. Townsend. 2,474,764, June 28.
Lighting equipment, Surface attached. K. Franck and V. S. Wince. 2,474,308, June 28.
Lighting fixture, Electric. V. J. Marchese. 2,474,484, June 28.
Lime and producing it, Especially reactive. W. G. Lovell, V. A. Miller, M. J. Mulligan, and H. K. Lichtenwalner. 2,474,207, June 28.
Liner, Surface fluxing coated. C. C. Heritage. 2,474,398, June 28.
Liquid diffuser. W. H. Wheeler and L. B. Wamnes. 2,474,605, June 28.
Liquid diffuser. W. H. Wheeler and L. B. Wamnes. 2,474,607, June 28.
Lock for automobile doors. J. Draewiecki. 2,474,519, June 28.
Lock for railroad spikes, Safety. W. T. Morris. 2,474,366, June 28.
Locking hinge for cigarette cases, Cigarette. F. Averna. 2,474,714, June 28.
Loose-leaf binder and music stand table, Combination. K. Kitchen. 2,474,532, June 28.
Lubricant, Aqueous. T. T. Rodgers. 2,474,325, June 28.
Lubricating device. B. E. Folke and R. H. Shepard. 2,474,661, June 28.
Lubricator. A. E. Moxley. 2,474,754, June 28.
Luminaire, Street lighting. T. W. Rolph. 2,474,326–7, June 28.
Luminaire, Surface attached fluorescent lighting. V. S. Wince. 2,474,341, June 28.
Machine for impregnating material with liquid. L. A. Kauffman. 2,474,254, June 28.
Maleic acid by oxidation of cyclohexane, Producing. A. J. Shmidl. 2,474,334, June 28.
Mandrel. E. G. Hill. 2,474,872, June 28.
Manganese with magnesium, Alloying. C. H. Mahoney and G. L. Lee. 2,474,538, June 28.
Marquise or canopy for buildings. A. J. Auble. 2,474,713, June 28.
Master-slave system. N. V. Fedotoff. 2,474,576, June 28.
Measuring apparatus and method, Dielectric. G. R. Leef. 2,474,280, June 28.
Measuring bridge, Null. R. A. Hampshire. 2,474,245, June 28.
Measuring difference in frequency of alternating currents. B. B. Jacobsen. 2,474,253, June 28.
Measuring instrument. W. H. Carling. 2,474,466, June 28.
Measuring machine having lens and reflector means, Length. F. Turrettini. 2,474,602, June 28.
Mechanism for bolt action rifles, Cocking. J. H. Barnett. 2,474,456, June 28.
Metallization of electrically nonconductive fabrics, fibrous materials, and porous materials. C. T. Suchy. 2,474,502, June 28.
Method and apparatus for simultaneously securing together and perforating paper webs. W. G. Borchers. 2,474,775, June 28.
Method and apparatus for size reduction and fiberizing of crude fibrous materials. F. J. Koehne. 2,474,314, June 28.
Method and machine for generating splines and the like. J. L. Williamson. 2,474,209, June 28.
Method of and apparatus for electrically welding studs to surfaces. J. M. Keir and E. A. Clapp. 2,474,331, June 28.
Method of and apparatus for partially dehydrating and cleansing oily wood preservatives. J. A. Vaughan and J. C. Vinson. 2,474,706, June 28.
Minnow bucket. J. B. Lewis. 2,474,745, June 28.
Modulator. F. A. Leibe and B. B. Mahler. 2,474,261, June 28.
Mold for concrete steps. C. Peterson. 2,474,321, June 28.
Mold for molding concrete and the like, Vacuum. K. P. Billner. 2,474,721, June 28.
Mold, Vulcanizer. R. A. McCloud, J. L. Daum and T. P. Bacon. 2,474,542, June 28.
Motor: *See*—
  Electric motor.
  Repulsion synchronous motor.
  Variable displacement radial vane rotary motor.
  Variable hydraulic pump or motor.
Motor control proportioning system, Electric. C. W. Klug. 2,474,679, June 28.
Motor switching mechanism, Electric. E. C. Wahlberg. 2,474,707, June 28.
Mounting: *See*—
  Headband and earphone mounting.
Mounting for rotary bearings, Rocker. R. W. Mortensen. 2,474,489, June 28.
Mounting in vehicle, Wheel. I. W. Simpkins. 2,474,283, June 28.
Mounting means for microscope arms and the like, Pivotal. T. G. Aitcheson and A. A. Gradiser. 2,474,644, June 28.
Mounting of cellular glass slabs. J. C. Kohl and J. A. Desmone. 2,474,363, June 28.
Mounting of fan units in ventilating shafts. T. Wylie. 2,474,611, June 28.
Music sheet turner. C. Gaines. 2,474,522, June 28.
Musical instrument. J. A. Brewer. 2,474,462, June 28.
Napkin holder. H. R. Thomas. 2,474,763, June 28.
Nitroalkyl substituted heterocyclic compounds and preparing them. M. Senkus. 2,474,791, June 28.
Nozzle adjustment for suction cleaners, Semiautomatic. H. B. White. 2,474,448, June 28.
Nozzle and tip for burning and welding torches. A. K. Hinchman. 2,474,673, June 28.
Nozzle, Spray. C. C. Sciuto. 2,474,332, June 28.
Nutcracker. D. H. Murph. 2,474,591, June 28.
Oil burner and pilot means therefor, Pot type. M. D. Huston. 2,474,530, June 28.
Oil cooler. W. R. Ramsaur. 2,474,689, June 28.
Oil cooling means, Internal-combustion engine. J. M. Davies. 2,474,518, June 28.
1-naphthol-1-2-carboxylic acid amide couplers for color photography. A. Weissberger, I. F. Salminen, and P. W. Vittum. 2,474,203, June 28.
Operating device, Sustained electric signal. J. W. Ritti. 2,474,405, June 28.
Operating mechanism, Furnace cover. C. H. West. 2,474,505, June 28.
Organosilicon compounds, Preparation of. A. G. Taylor. 2,474,444, June 28.
Ornament, Novelty. L. H. Durbin. 2,474,236, June 28.
Oscillator, Magnetron. W. P. Mason. 2,474,485, June 28.
Pack opening and sheet receiving means. B. G. Vaughn and W. V. Fell. 2,474,765, June 28.
Packaging means, Roll. R. Corson. 2,474,657, June 28.
Packer for wells. A. J. Penick. 2,474,491, June 28.
Pallet or skid for lifting trucks or the like. D. H. Bitney. 2,474,460, June 28.
Pattern marking letter. E. T. Kindt. 2,474,428, June 28.
Pen, Fountain. R. T. Wing. 2,474,389, June 28.
Pencil, Wiring. E. Burrell. 2,474,463, June 28.
Phosphor materials, Making. E. J. Wood. 2,474,506, June 28.
Photoelectric sorting, Two-dimensional. D. C. Cox. 2,474,230, June 28.
Photogrammetric caliper. J. E. Henry and L. W. Crouch. 2,474,248, June 28.
Piano construction. G. H. Stapely. 2,474,599, June 28.
Pickling of stainless steels. J. J. Healy, Jr., M. H. Taylor, and F. A. Abbiati. 2,474,526, June 28.
Piezometric thermionic tube. J. Rothstein. 2,474,280, June 28.
Piston for high-compression engines. S. M. Zoromakis. 2,474,564, June 28.
Piston ring. A. M. Brenneke. 2,474,413, June 28.
Pit-prop and the like. R. G. Cable. 2,474,464, June 28.
Planer and molding head, Circular burnisher. C. A. Walters. 2,474,559, June 28.
Plasticized elastomer compositions containing N-(hydroxyalkyl)-amides and their fatty acid esters. P. F. Tryon. 2,474,793, June 28.
Plate and lighting equipment using the same, Light refracting and transmitting. R. G. McPhail. 2,474,317, June 28.
Plate, Composite steel. B. Liebowitz. 2,474,682, June 28.
Play hat. P. Wolfe. 2,474,507, June 28.
Plow, Two-way. R. T. Evans and J. H. Clasen. 2,474,731, June 28.

Plug: *See*—
  Electrical plug.
  Polarity indicator plug.
Polarity indicator plug. W. L. Todd and E. E. Greenberg. 2,474,407, June 28.
Polyamine alcohols and preparing them. M. Senkus. 2,474,792, June 28.
Polymerization of olefinic hydrocarbons with Friedel-Crafts catalysts. A. B. Hersberger. 2,474,671, June 28.
Polymerization process, Low-temperature. F. W. Brakeley, Jr., and D. W. Young. 2,474,571, June 28.
Power-driven mechanism and portable demountable supporting standard therefor. B. R. Howard. 2,474,230, June 28.
Preparing a water-soluble beryllium compound. P. N. Burkard and R. McNabney. 2,474,392, June 28.
Preparing 1,2,3,4,5,6-hexachlorocyclohexane. G. H. Morey. 2,474,590, June 28.
Preparing partial esters of glycerine and fatty acids. M. H. Ittner. 2,474,740, June 28.
Preparing substituted propionic acids. R. D. Babson. 2,474,715, June 28.
Press: *See*—
  Ski press.
Prestressed concrete pipe and the like, Manufacture of. F. L. Fitzpatrick. 2,474,660, June 28.
Printing with sulfuric esters of leuco vat dyestuffs. W. B. and E. M. Hardy. 2,474,785, June 28.
Process and apparatus for tensionless handling of ruoning lengths of materials. H. H. Belcher. 2,474,717, June 28.
Producing packing structures. S. Bergstein. 2,474,891, June 28.
Producing pyrazine by catalytic dehydrogenation of piperazine. J. K. Dixon. 2,474,781, June 28.
Producing stannic oxide. S. M. Baxter. 2,474,645, June 28.
Production of a lithium-aluminum compound as a base for a conversion catalyst. A. E. Smith and G. A. Beeck. 2,474,440, June 28.
Propeller. W. Waterval. 2,474,562, June 28.
Propeller, Variable pitch. H. J. Nichols. 2,474,635, June 28.
Propulsion apparatus, Jet. H. J. D. McCollum. 2,474,685, June 28.
Propylene polymers, Production of. A. B. Hersberger and R. G. Heiligmann. 2,474,670, June 28.
Protection of objects. H. F. Meyer. 2,474,271, June 28.
Protective system for electric lines. E. H. Yonkers, Jr. 2,474,711, June 28.
Proteinaceous and fatty foods resistant to microorganisms, Making. G. H. Coleman and P. A. Wolf. 2,474,228, June 28.
Pulsation elimination in fluid streams. I. C. Bechtold, F. M. Stephens, and C. Newman. 2,474,512, June 28.
Pulsation elimination in fluid streams, Apparatus for. F. M. Stephens and C. F. Yates. 2,474,554, June 28.
Pulsations in gas lines, Elimination of. F. M. Stephens. 2,474,553, June 28.
Pulse modulator, Line. L. Greenwald. 2,474,243, June 28.
Pulse receiving circuit. L. A. B. Cabes. 2,474,220, June 28.
Pump: *See*—
  Electromagnetic pump.
  Injection pump.
  Reversible cycle heat pump.
  Stage lift pump.
Pumping apparatus. J. Mann. 2,474,539, June 28.
Punch, Multihole. J. A. Carpenter. 2,474,344, June 28.
Purse, Belt. H. Poliak. 2,474,405, June 28.
Quantitative deceleration indicator. E. P. Wunsch. 2,474,610, June 28.
Rack: *See*—
  Collapsible tie rack.
Radio-frequency in-phase indicator. N. Marchand. 2,474,268, June 28.
Raft or float, Life. J. L. Justice. 2,474,479, June 28.
Rail fastener. J. Forche. 2,474,352, June 28.
Ratchet means. M. A. Napier. 2,474,402, June 28.
Ratchet mechanism. W. B. Claus. 2,474,656, June 28.
Receiver, Ash. P. W. Rushforth. 2,474,371, June 28.
Receiver, Vibrating reactance panoramic radio. M. Wallace and H. G. Miller. 2,474,287, June 25.
Reclaiming the hydrocarbon content of used hydrocarbon lubricants. F. C. Bersworth. 2,474,411, June 28.
Recording apparatus, Oscillographic. R. M. Davis. 2,474,303, June 28.
Rectifying a neutral molten salt treating bath. P. H. Kramer. 2,474,680, June 28.
Reel: *See*—
  Automatic fishing reel.
Refrigerating unit having air circulating means, Multiple temperature. C. L. Spoonhour. 2,474,499, June 28.
Refrigerator. A. Amyot. 2,474,452, June 28.
Regulating apparatus, Heat. R. Amsler. 2,474,798, June 28.
Regulating system, Voltage. M. E. Hiehle. 2,474,580, June 28.
Regulator: *See*—
  Voltage regulator.
Regulator system, Power supply. C. Martines. 2,474,269, June 28.
Remote-control means for valves. D. G. Griswold. 2,474,355, June 28.
Remote-control system. D. A. Heisner. 2,474,527, June 28.
Remote-control system for selectively controlling a plurality of adjustable elements. D. R. Goddard. 2,474,663, June 28.
Remover, Snow. H. Schmitz. 2,474,759, June 28.
Rendering materials water-repellent. M. E. Thayer. 2,474,704, June 28.
Repeater, Start-stop regenerative. P. Pelle. 2,474,490, June 28.
Repulsion synchronous motor. H. E. Warren. 2,474,797, June 28.
Resin plasticized with ester of organic sulfonic acid, Polysulfone. G. E. Ellerman. 2,474,350, June 28.
Responsive device, Magnetic field. R. G. Rowe. 2,474,693, June 28.
Retainer. F. A. Jimerson. 2,474,360, June 28.
Retarding growth of microorganisms in light alcoholic beverages. G. H. Coleman and P. A. Wolf. 2,474,229, June 28.
Retractable clothesline hanger. G. B. Carroll. 2,474,655, June 28.
Reversible bearing. L. Doran. 2,474,728, June 28.
Reversible cycle heat pump. O. E. Clancy. 2,474,304, June 28.
Reversible hydraulic coupling. A. Lysholm. 2,474,588, June 28.
Ring: *See*—
  Piston ring.
Rod: *See*—
  Expandable curling rod.
Rust-preventing compounds. J. I. Wasson and J. C. Zimmer. 2,474,604, June 28.
Salt or pepper shaker or dispenser, Self-cleaning. D. E. Kitchen. 2,474,675, June 28.
Salts of streptothricin, Complex. H. L. Peck. 2,474,758, June 28.
Screen: *See*—
  Variable filter screen.
Screen and storm window, Combination. E. Madriguera. 2,474,747, June 28.
Screw driver. S. P. Wheeler. 2,474,295, June 28.
Screw driver, Spring-driven. A. Gunning. 2,474,626, June 28.
Seal for filler tubes. W. C. Wels. 2,474,503, June 28.
Seal, Pipe joint. A. L. Stone. 2,474,556, June 28.
Seat: *See*—
  Fly reel seat.
Seat structure, Adjustable. A. Lorenz. 2,474,264, June 28.
Sectional hinged fold holder. F. W. Steinmeyer. 2,474,552, June 28.
Self-locking garment hanger. S. Kreitmayr. 2,474,429, June 28.
Sensitized papers having cellulose ether sizing, Diazotype. S. C. Slifkin. 2,474,700, June 28.
Separating the stereoisomers of α-hydroxy-β,β-dimethyl-gamma-butyrolactone. R. H. Beutel and M. Tishler. 2,474,719, June 28.
Separation apparatus, Heavy-media. J. J. Bean. 2,474,774, June 28.
Separator: *See*—
  Gas separator.
Servomotor, Follow-up. W. A. Ray. 2,474,279, June 28.
Sewing machine unit. G. Sauer. 2,474,331, June 28.
Shampoo board, Child's. H. B. and L. D. Brose. 2,474,572, June 28.
Sheet material, Heat-sealable. R. A. Farrell and C. L. Wagner. 2,474,610, June 28.
Shifting mechanism, Belt. M. L. Dodge. 2,474,470, June 28.
Shoe and table, Ironer. W. C. Erler. 2,474,351, June 28.
Shoe for welding machines, Grounding. L. H. Knost. 2,474,534, June 28.
Shuffleboard cue. E. S. Boose. 2,474,728, June 28.
Signal transmission system, Electrical. C. de Vriendt and L. A. B. Cabes. 2,474,234, June 28.
Signal type torque indicating wrench. M. Hattan. 2,474,247, June 28.
Ski press. G. M. O'Neill. 2,474,274, June 28.
Slurry coal, Dewatering and coking. A. F. Howe. 2,474,251, June 28.
Snatch block. W. H. McKissick. 2,474,436, June 28.
Speed attachment for drill presses, High-low. F. K. Stein. 2,474,500, June 28.
Speed drive, Variable. L. Perhacs. 2,474,789, June 28.
Spike, Railroad. R. A. Rulz. 2,474,281, June 28.
Splint for small animals, Surgical. C. T. Mason. 2,474,634, June 28.
Split ring retainer extractor. H. P. Carrier. 2,474,222, June 28.
Splitting machine, Intestine. M. S. Atkisson and A. E. Schneider. 2,474,299, June 28.
Stabilizer mechanism, Sidedraft. W. Vutz. 2,474,445, June 28.
Stage lift pump. W. G. Hurley. 2,474,423, June 28.
Stand: *See*—
  Hoe stand.
Starter apparatus, Engine. S. Gilbert. 2,474,734, June 28.
Stator, Split. G. F. Behringer. 2,474,646, June 28.
Steel, Alloy. A. G. Waggoner and W. B. Brooks. 2,474,766, June 28.
Step wave generator. H. Lyons. 2,474,266, June 28.
Sterilizer, Toothbrush. J. Federico. 2,474,621, June 28.
Stroller, Doll. A. A. Wasserman. 2,474,888, June 28.

Stylus. G. Halpern. 2,474,312, June 28.
Transport. F. F. Sutherland, and W. T. Stearn.

Stylus. G. Halpern. 2,474,312, June 28.
Substituted 3-carbamyl-2-piperidones and method for preparing them. G. H. Morsy. 2,474,589, June 28.
Supply system for carrier communication systems, Power. R. Kelly. 2,474,255, June 28.
Support: *See*—
Bottle support. Trailer drawbar support
Cathode support. Typewriter support.
Diaper support.
Support attachment, Curtain and drape rod. M. A. Smith. 2,474,551, June 28.
Support for shades, curtains, and drapes, Combined. F. E. Mentz. 2,474,434, June 28.
Support for voltage regulators. W. S. Master. 2,474,270, June 28.
Supporting of casements. J. R. Cornelius. 2,474,468, June 28.
Suspension, Swing. S. Bender. 2,474,718, June 28.
Switch: *See*—
Electromagnetic switch. Time switch.
Electronic switch.
Synchronizer for photographic shutters, Power-driven flash. A. Simmon and L. L. Weisglass. 2,474,878, June 28.
Syringe. L. Rayman. 2,474,496, June 28.
System for the preginning of cotton. J. J. Wallace. 2,474,642, June 28.
Table: *See*—
Knockdown stand or table.
Takeup of electric cords. E. Applegate. 2,474,566, June 28.
Tape for laminating, Adhesive. C. L. Weidner and L. W. Eger. 2,474,292, June 28.
Taper sided split rings, Lapping. J. W. Howlett and A. J. Woolcott. 2,474,358, June 28.
Television receiver and picture projector, Combination. N. H. Young, Jr. 2,474,297, June 28.
Temperature control means. W. K. Lewis, Jr. 2,474,583, June 28.
Tertiary alkyl sulfonamides, Preparation of. L. T. Eby. 2,474,237, June 28.
Test for capacitors. Dielectric strength. A. J. Deyrup. 2,474,415, June 28.
Testing electrode. C. J. Schmid and W. J. Koch. 2,474,838, June 28.
Thread-trimming and pull-off mechanism for sewing machines. A. R. Wood. 2,474,710, June 28.
Time switch. E. V. Platt. 2,474,494, June 28.
Tire guard. G. L. Smith. 2,474,284, June 28.
Tire tool. W. J. Cox. 2,474,515, June 28.
Tobacco can elevator. A. H. Lavietes. 2,474,315, June 28.
Toe gauge. B. Castiglia. 2,474,616, June 28.
Tool: *See*— Tire tool.
Drill holder and like tool.
Hydraulic fishing tool.
Tool for external cylindrical surfaces, Honing. W. J. Papciak. 2,474,756, June 28.
Toolholder. V. Jankowski. 2,474,675, June 28.
Tool-operating attachment. H. R. Billeter. 2,474,720, June 28.
Torsional vibration exhibiting means. T. C. Van Degrift. 2,474,408, June 28.
Towing device for trailers. D. Wiltsee. 2,474,296, June 28.
Toy, Airplane. J. Moeller. 2,474,750, June 28.
Toy, Child's educational. R. Wheelock. 2,474,447, June 28.
Toy ferry system. W. L. Shepheard. 2,474,376, June 28.
Toy, Graphic facsimile. D. W. Moore, Jr. 2,474,545, June 28.
Toy wagon. H. L. Seiden. 2,474,373, June 28.
Traction appliance for motor vehicle wheels, Antiskid. E. P. Schwab. 2,474,696, June 28.
Traction device, Vehicle. G. W. Smith, Jr. 2,474,640, June 28.
Traction-gaining device. E. Linderme. 2,474,262, June 28.
Trailer drawbar support. J. E. Luttrell. 2,474,483, June 28.
Transformer, Compensated magnetic-leakage-type. W. Foerste. 2,474,624, June 28.
Transformer, High-frequency. H. C. Early, W. G. Dow, and R. Ohlsson. 2,474,395, June 28.
Transmission, Hydraulic. G. A. Wahlmark. 2,474,706, June 28.
Transmission line. S. B. Pickles. 2,474,277, June 28.
Transport. F. F. Sutherland, and W. T. Stearn. 2,474,337, June 28.
Treating hydrophilic colloids to avoid swelling during washing. W. D. Ramage. 2,474,867, June 28.
Treatment of vegetable tissue. C. Birdseye. 2,474,649–50, June 28.
Trysquare. C. E. Gancer. 2,474,577, June 28.
Tube: *See*—
Electron tube.
Piezometric thermionic tube.
Tube for high frequencies. Amplier. G. Liebmann. 2,474,584, June 28.
Turbine apparatus. R. P. Kroon. 2,474,258, June 28.
Turbine, Combustion. S. E. Richeson. 2,474,404, June 28.
Turbine plant, Gas. I. K. E. Jung. 2,474,582, June 28.
Turned slippers or similar footgear, Manufacture of. K. E. Tholson. 2,474,553, June 28.
Typewriter support. J. Vale. 2,474,385, June 28.
Typing mechanism for typewriters or like machines, Power-operated. J. J. Kittel. 2,474,741, June 28.
Ultra-short-wave signal-translating device. H. A. Wheeler. 2,474,608, June 28.
Umbrella, Tractor. W. Daniel. 2,474,516, June 28.
Universal joint. J. H. Hullinger. 2,474,529, June 28.
Unloading valve. B. N. Ashton. 2,474,772, June 28.
Utensil, Culinary. W. C. P. Zabel, and R. C. Helfenbein. 2,474,451, June 28.
Vacuum apparatus for impregnating floors. L. M. Applegate. 2,474,567, June 28.
Valve: *See*—
Hydraulically operated Unloading valve.
brake valve.
Valve. C. E. Lauc. 2,474,430, June 28.
Valve gauge. N. G. Weeks. 2,474,294, June 28.
Vaporizer. F. S. Abbott. 2,474,565, June 28.
Variable displacement radial vane rotary motor. S. F. Cserner. 2,474,348, June 28.
Variable filter screen. L. R. Aparicio. 2,474,712, June 28.
Variable hydraulic pump or motor. J. E. Lundegard. 2,474,536, June 28.
Vehicle suspension. G. E. Burks. 2,474,514, June 28.
Ventilator, Automatic. G. J. Smith. 2,474,760, June 28.
Verge plate, Shock-damping. K. Howle. 2,474,627, June 28.
Vinyl chloride, Production of. W. L. J. de Nie. 2,474,206, June 28.
Voltage regulator. G. B. Steincross. 2,474,287, June 28.
Walking aid, Adjustable. H. E. Binme. 2,474,722, June 28.
Wall thickness indicator. J. S. Pelan. 2,474,320, June 28.
Water filter carrying case. D. H. Quinn. 2,474,822, June 28.
Wax applier, Self-feeding paste floor. W. S. Gallagher. 2,474,733, June 28.
Weather resistant composition. P. T. Gidley. 2,474,309, June 28.
Weather strip. F. R. Anderson. 2,474,409, June 28.
Welding electrode. F. G. Marbach. 2,474,788, June 28.
Welding machine, Bank strip. W. F. Smith. 2,474,285, June 28.
Welding mechanism, Multipoint spot. H. B. Putnam. 2,474,593, June 28.
Well logging. L. G. Howell. 2,474,581, June 28.
Well Point, Automatic. T. F. Moore, E. J. Moore, and M. M. Dacy. 2,474,364, June 28.
Wheel: *See*—
Fluid wheel.
Wick-supporting device. C. E. Nicolet. 2,474,606, June 28.
Winding machine, Armature. W. A. Goodman. 2,474,853, June 28.
Winding machine, Coil. L. E. Pamphlion. 2,474,755, June 28.
Wrench: *See*—
Signal type torque indicating wrench.
X-ray equipment. O. C. Hollstein. 2,474,421, June 28.
X-ray equipment. O. C. Hollstein. 2,474,422, June 28.
X-ray monochromator, Focusing. H. Friedman. 2,474,240, June 28.
Zinc aluminate-group VI metal oxide catalyst, Preparation of. K. K. Kearby. 2,474,215, June 28.
Zinc aluminate spinel catalyst, Preparation of. J. F. Black. 2,474,214, June 28.

CLASSIFICATION OF PATENTS

ISSUED JUNE 28, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 21: 2,474,535
42: 2,474,699
93: 2,474,400
112: 2,474,724
167: 2,474,273
175: 2,474,507
237: 2,474,629
4— 159: 2,474,572
5— 353: 2,474,705
6— 10: 2,474,382
8— 79: 2,474,783
116.2: 2,474,306
151: 2,474,717
9— 11: 2,474,479
12— 9: 2,474,307
142: 2,474,558
13— 29: 2,474,443
16— 172: 2,474,684
358: 2,474,448
18— 18: 2,474,517
2,474,842
54: 2,474,617
55.1: 2,474,876
56: 2,474,391
19— 67: 2,474,642
20— 6: 2,474,767
53: 2,474,408
57.6: 2,474,713
69: 2,474,409
21— 87: 2,474,621
22— 158: 2,474,428
23— 144: 2,474,645
147: 2,474,497
2,474,533
186: 2,474,207
24— 137: 2,474,753
206: 2,474,372
221: 2,474,799
232: 2,474,429
25— 24: 2,474,509
118: 2,474,321
2,474,721
131: 2,474,587
154: 2,474,660
155: 2,474,654
157: 2,474,301
29— 49: 2,474,675
76: 2,474,465
106.1: 2,474,682
229: 2,474,222
30— 128: Re.23,130
162: 2,474,609
307: 2,474,461
344: 2,474,425
32— 32: 2,474,488
33— 64: 2,474,495
112: 2,474,577
163: 2,474,248
178: 2,474,802
181: 2,474,294
203.16: 2,474,616
34— 99: 2,474,427
35— 73: 2,474,447
42— 16: 2,474,456
2,474,743
43— 31: 2,474,752
35: 2,474,481
37: 2,474,393
49: 2,474,408
56: 2,474,745
45— 70: 2,474,596
121: 2,474,532
46— 96: 2,474,376
151: 2,474,236
47— 59: Pl.Pt.848
61: Pl.Pt.849
Pl.Pt.850
Pl.Pt.851
49— 14: 2,474,706
17.1: 2,474,302
51— 56: 2,474,357
2,474,358
187: 2,474,546
2,474,622
2,474,623
51— 205: 2,474,756
54— 82: 2,474,446
56— 25.4: 2,474,524
122: 2,474,557
253: 2,474,764
321: 2,474,445
57— 100: 2,474,210
60— 13: 2,474,707
41: 2,474,404
2,474,582
52: 2,474,581
53: 2,474,706
54: 2,474,586
54.5: 2,474,738
61— 4: 2,474,786
62— 6: 2,474,304
2,474,441
19: 2,474,553
89.5: 2,474,452
102: 2,474,499
114: 2,474,730
64— 11: 2,474,347
17: 2,474,329
65— 57: 2,474,678
66— 110: 2,474,627
187: 2,474,246
171: 2,474,375
70— 146: 2,474,519
72— 19: 2,474,363
117: 2,474,778
73— 119: 2,474,320
74— 5.47: 2,474,549
127: 2,474,377
142: 2,474,656
157: 2,474,402
242.11: 2,474,500
242.3: 2,474,470
242.5: 2,474,457
472: 2,474,316
572: 2,474,370
670: 2,474,726
75— 125: 2,474,766
168: 2,474,538
76— 82: 2,474,579
101: 2,474,643
77— 33: 2,474,720
81— 52.5: 2,474,247
84— 186: 2,474,599
404: 2,474,462
501: 2,474,522
85— 26: 2,474,281
86— 45: 2,474,218
88— 1: 2,474,602
24: 2,474,297
30: 2,474,344
60: 2,474,712
89— 37.5: 2,474,560
2,474,561
41: 2,474,739
90— 7: 2,474,209
8: 2,474,393
12: 2,474,289
91— 12: 2,474,254
18: 2,474,567
36: 2,474,346
43: 2,474,691
48: 2,474,733
92.3: 2,474,801
93— 61: 2,474,773
95— 6: 2,474,293
8: 2,474,700
11.5: 2,474,378
12.3: 2,474,323
44: 2,474,379
97— 29: 2,474,731
98— 31: 2,474,709
41: 2,474,455
99.8: 2,474,760
99— 48: 2,474,229
134: 2,474,704
150: 2,474,226
2,474,227
159: 2,474,228
174: 2,474,300
192: 2,474,649
99— 204: 2,474,650
100— 42: 2,474,399
102— 4: 2,474,256
65.2: 2,474,217
103— 6: 2,474,539
41: 2,474,396
2,474,419
53: 2,474,349
115: 2,474,298
151: 2,474,536
248: 2,474,423
105— 164: 2,474,471
106— 48: 2,474,636
63: 2,474,544
96: 2,474,381
109— 1: 2,474,271
112— 102: 2,474,406
212: 2,474,282
252: 2,474,710
258: 2,474,331
113— 99: 2,474,658
114— 66.5: 2,474,667
116— 114: 2,474,537
117— 122: 2,474,292
119— 74: 2,474,499
120— 42.4: 2,474,300
46: 2,474,389
121— 21: 2,474,215
41: 2,474,279
48: 2,474,336
85: 2,474,348
122— 6: 2,474,548
250: 2,474,401
123— 50: 2,474,631
98: 2,474,232
148: 2,474,510
2,474,550
179: 2,474,734
196: 2,474,518
126— 41: 2,474,225
93: 2,474,574
110: 2,474,687
127— 37: 2,474,669
128— 89: 2,474,634
214: 2,474,565
218: 2,474,496
129— 21: 2,474,698
131— 242: 2,474,371
132— 11: 2,474,212
33: 2,474,449
76.2: 2,474,570
135— 20: 2,474,516
50: 2,474,722
136— 100: 2,474,716
137— 34: 2,474,430
111: 2,474,286
139: 2,474,355
153: 2,474,772
138— 30: 2,474,512
2,474,554
88: 2,474,503
139— 245: 2,474,632
247: 2,474,641
144— 218: 2,474,559
145— 52: 2,474,295
2,474,626
146— 13: 2,474,501
17: 2,474,492
148— 16: 2,474,674
26: 2,474,787
150— 3: 2,474,322
28: 2,474,784
152— 214: 2,474,640
223: 2,474,696
227: 2,474,262
233: 2,474,521
153— 3: 2,474,528
16: 2,474,683
40: 2,474,276
44: 2,474,652
154— 9: 2,474,511
33.05: 2,474,396
50: 2,474,619
155— 45: 2,474,264
58: 2,474,718
155— 106: 2,474,265
119: 2,474,597
124: 2,474,252
196: 2,474,668
158— 4: 2,474,417
7: 2,474,313
27.4: 2,474,673
28: 2,474,702
91: 2,474,530
115: 2,474,547
160— 25: 2,474,747
112: 2,474,434
348: 2,474,552
164— 61: 2,474,299
84.5: Re.23,129
91: 2,474,344
166— 6: 2,474,364
12: 2,474,491
167— 75: 2,474,729
170—135.24: 2,474,362
135.4: 2,474,359
2,474,685
169: 2,474,562
160.22: 2,474,635
171— 95: 2,474,245
97: 2,474,243
2,474,255
2,474,275
242: 2,474,259
2,474,761
312: 2,474,732
323: 2,474,601
327: 2,474,241
172— 36: 2,474,439
245: 2,474,233
2,474,298
278: 2,474,797
173— 269: 2,474,310
324: 2,474,534
334: 2,474,356
361: 2,474,454
174— 50: 2,474,328
175— 41.5: 2,474,646
183: 2,474,260
2,474,407
2,474,415
2,474,638
2,474,692
2,474,693
294: 2,474,299
2,474,711
356: 2,474,395
367: 2,474,800
177— 7: 2,474,408
311: 2,474,221
2,474,482
2,474,610
314: 2,474,757
329: 2,474,677
353: 2,474,438
178— 4: 2,474,257
6.6: 2,474,545
44: Re.23,131
2,474,272
2,474,277
2,474,688
2,474,794
2,474,795
51: 2,474,249
66: 2,474,220
2,474,261
70: 2,474,490
15: 2,474,244
179— 16: 2,474,234
156: 2,474,386
171: 2,474,435
2,474,584
180— 82: 2,474,596
183— 61: 2,474,478
79: 2,474,695
110: 2,474,540
184— 27: 2,474,661
82: 2,474,754
188— 153: 2,474,749
207: 2,474,239
192— 48: 2,474,789
195— 16: 2,474,411
50: 2,474,213
53: 2,474,345
197— 17: 2,474,741
200— 18: 2,474,233
39: 2,474,494
53: 2,474,487
103: 2,474,742
116: 2,474,762
118: 2,474,600
201— 51: 2,474,662
76: 2,474,473
202— 42: 2,474,736
96: 2,474,251
204— 21: 2,474,502
206— 9: 2,474,458
41: 2,474,714
41.1: 2,474,316
42: 2,474,639
43.14: 2,474,548
58: 2,474,783
59: 2,474,657
209— 173: 2,474,774
210— 52.5: 2,474,475
53.6: 2,474,705
211— 50: 2,474,703
104: 2,474,436
119.16: 2,474,655
170: 2,474,337
214— 134: 2,474,803
145: 2,474,418
147: 2,474,374
218— 1: 2,474,591
219— 4: 2,474,285
2,474,340
2,474,531
2,474,593
2,474,788
13: 2,474,703
19: 2,474,335
21: 2,474,312
39: 2,474,361
2,474,472
2,474,594
2,474,637
2,474,664
40: 2,474,759
47: 2,474,423
220— 31: 2,474,311
46: 2,474,461
58: 2,474,397
222— 67: 2,474,748
207: 2,474,442
224— 26: 2,474,495
42.45: 2,474,513
229— 28: 2,474,751
37: 2,474,476
2,474,523
53: 2,474,770
230— 42: 2,474,611
122: 2,474,258
130: 2,474,410
143: 2,474,553
236: 2,474,553
2,474,555
235— 83: 2,474,288
114: 2,474,432
236— 13: 2,474,208
49: 2,474,368
91: 2,474,795
237— 12.6: 2,474,394
238— 375: 2,474,366
377: 2,474,352
240— 25: 2,474,326
51.11: 2,474,308
93: 2,474,341
106: 2,474,317
2,474,327
123: 2,474,484
241— 4: 2,474,314
195: 2,474,308
234: 2,474,625
242— 10: 2,474,755
242— 13: 2,474,353
76: 2,474,620
77: 2,474,566
84.3: 2,474,541
96: 2,474,343
130: 2,474,463
2,474,672
244— 13: 2,474,585
50: 2,474,630
102: 2,474,694
248— 23: 2,474,385
33: 2,474,659
105: 2,474,416
120: 2,474,480
158: 2,474,250
257: 2,474,414
263: 2,474,551
346: 2,474,726
356: 2,474,464
250— 20: 2,474,387
27.5: 2,474,211
2,474,280
33: 2,474,242
33.57: 2,474,480
33.63: 2,474,238
36: 2,474,278
2,474,580
2,474,606
2,474,769
40: 2,474,384
2,474,663
51: 2,474,240
83.6: 2,474,581
2,474,773
105: 2,474,421
2,474,422
152: 2,474,223
223: 2,474,230
237: 2,474,380
251— 10: 2,474,368
252— 8.5: 2,474,329
2,474,330
8.55: 2,474,638
34.7: 2,474,325
47.5: 2,474,604
52: 2,474,342
71: 2,474,680
106: 2,474,412
142: 2,474,526
156: 2,474,392
170: 2,474,437
301.6: 2,474,506
316: 2,474,330
465: 2,474,214
2,474,215
254— 50.1: 2,474,515
193: 2,474,433
255— 27: 2,474,459
257— 128: 2,474,689
137: 2,474,407
260— 23.7: 2,474,309
2,474,530
30.8: 2,474,350
31.6: 2,474,793
32.6: 2,474,776
78.3: 2,474,686
82.1: 2,474,614
85.3: 2,474,671
2,474,892
2,474,671
86.1: 2,474,612
87.5: 2,474,613
93.7: 2,474,670
112: 2,474,367
152: 2,474,780
193: 2,474,779
205: 2,474,736
2,474,737
236: 2,474,719
236.5: 2,474,756
240: 2,474,426
247: 2,474,791
250: 2,474,781
2,474,782

CLASSIFICATION OF PATENTS

260— 294: 2,474,589
2,474,631
338: 2,474,792
397.7: 2,474,333
410.7: 2,474,740
448.2: 2,474,578
448.8: 2,474,444
449.6: 2,474,583
468. 2,474,796
484: 2,474,715
533: 2,474,334
551: 2,474,237
619: 2,474,216
639: 2,474,508
2,474,592
2,474,588

260— 645: 2,474,590
649: 2,474,777
656: 2,474,206
696: 2,474,440
261— 98: 2,474,565
99: 2,474,746
263— 43: 2,474,504
264— 9: 2,474,424
17: 2,474,324
266— 34: 2,474,701
268— 10: 2,474,505
271— 10: 2,474,765
272— 31: 2,474,750
273— 129: 2,474,723
130: 2,474,365
135: 2,474,573

279— 3: 2,474,508
4: 2,474,771
106: 2,474,633
280—11.37: 2,474,274
33.4: 2,474,493
33.44: 2,474,231
2,474,296
36: 2,474,388
47: 2,474,804
87.01: 2,474,373
112: 2,474,514
160: 2,474,284
285— 129: 2,474,431
155: 2,474,556
196: 2,474,319
287— 54: 2,474,727

287— 86: 2,474,690
119: 2,474,360
120: 2,474,616
288— 27: 2,474,790
291— 16: 2,474,291
294— 102: 2,474,453
295— 20: 2,474,605
2,474,606
2,474,607
131: 2,474,332
301— 128: 2,474,283
302— 28: 2,474,477
308— 74: 2,474,728
207: 2,474,489
309— 14: 2,474,564
29: 2,474,413

309— 44: 2,474,493
311— 35: 2,474,318
88: 2,474,450
312— 67: 2,474,744
315— 9: 2,474,628
21: 2,474,224
22: 2,474,219
24: 2,474,266
27: 2,474,474
2,474,666
39: 2,474,263
2,474,485
106: 2,474,575
278: 2,474,403
318— 2: 2,474,456
6: 2,474,267

318— 16: 2,474,527
26: 2,474,679
32: 2,474,707
33: 2,474,576
328: 2,474,547
471: 2,474,595
481: 2,474,618
320— 1: 2,474,338
322— 18: 2,474,287
63: 2,474,648
100: 2,474,270
323— 8: 2,474,525
22: 2,474,269
44: 2,474,624
346— 7: 2,474,408
109: 2,474,303

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,474,213	196—50	2,474,261	178—66	2,474,397	220—58	2,474,502	204—21	2,474,608	250—36	2,474,716	136—100
2,474,216	260—619	2,474,263	315—39	2,474,402	74—157	2,474,503	138—88	2,474,610	177—311	2,474,732	171—312
2,474,217	102—65.2	2,474,265	155—106	2,474,407	175—183	2,474,512	138—30	2,474,612	260—86.1	2,474,759	219—40
2,474,218	86—45	2,474,269	323—22	2,474,410	230—130	2,474,519	70—146	2,474,613	260—87.5	2,474,764	56—253
2,474,220	178—66	2,474,271	109—1	2,474,418	214—145	2,474,520	260—23.7	2,474,614	260—82.1	2,474,766	75—125
2,474,227	99—150	2,474,295	145—52	2,474,424	294—9	2,474,523	229—37	2,474,616	33—203.15	2,474,778	72—117
2,474,228	99—199	2,474,303	346—109	2,474,440	260—696	2,474,525	323—8	2,474,626	145—52	2,474,780	260—152
2,474,230	250—223	2,474,306	8—116.2	2,474,457	74—242.5	2,474,527	318—16	2,474,635	170—160.22	2,474,787	149—26
2,474,236	46—151	2,474,325	252—34.7	2,474,458	205—9	2,474,536	103—161	2,474,649	99—192	2,474,793	260—31.6
2,474,238	250—33.63	2,474,335	219—19	2,474,461	229—46	2,474,537	116—114	2,474,650	99—204	2,474,796	260—468
2,474,248	33—163	2,474,337	211—170	2,474,464	248—356	2,474,566	285—155	2,474,652	153—44	2,474,800	178—367
2,474,249	178—51	2,474,343	242—96	2,474,472	219—39	2,474,570	139—76.2	2,474,670	260—93.7		
2,474,250	248—158	2,474,369	236—49	2,474,475	210—52.5	2,474,579	76—82	2,474,680	252—71		
2,474,258	230—122	2,474,380	250—237	2,474,476	229—37	2,474,584	179—171	2,474,690	287—86		
2,474,259	171—242	2,474,390	99—174	2,474,480	250—33.57	2,474,604	252—47.5	2,474,704	99—134		

CLASSIFICATION OF DESIGNS

D 1—12: Des. 151,299
D 2— 3: Des. 154,291
D 3— 4: Des. 154,251
Des. 154,252
Des. 154,253
Des. 154,254
26: Des. 154,262
D 4— 3: Des. 154,261
D 7— 7: Des. 154,277
Des. 154,290
D 9— 2: Des. 154,255
Des. 154,270
Des. 154,297
Des. 154,334
D14—18: Des. 154,327
D15— 1: Des. 154,271
Des. 154,272
11: Des. 154,276
D19— 2: Des. 154,328
D26—13: Des. 154,246
D29— 2: Des. 154,236
Des. 154,237

D29— 2: Des. 154,238
Des. 154,239
20: Des. 154,244
D31— 4: Des. 154,308
D33— 2: Des. 154,336
14: Des. 154,351
19: Des. 154,264
D34— 5: Des. 154,235
15: Des. 154,259
Des. 154,260
Des. 154,323
Des. 154,339
Des. 154,340
Des. 151,341
Des. 154,342
Des. 154,343
D35— 2: Des. 154,303
D37— 1: Des. 154,243
D40— 1: Des. 154,256
D41— 1: Des. 154,241
D44—15: Des. 154,337
21: Des. 154,348

D44—26: Des. 154,287
29: Des. 154,309
Des. 154,210
Des. 154,311
Des. 154,312
Des. 154,313
Des. 154,314
Des. 154,315
Des. 154,316
Des. 154,317
Des. 154,318
Des. 154,319
Des. 154,320
Des. 154,321
Des. 154,335
D45— 1: Des. 154,282
4: Des. 154,240
10: Des. 154,233
16: Des. 154,304
Des. 154,305
19: Des. 154,279
Des. 154,280

D45—19: Des. 154,281
Des. 154,283
Des. 154,284
Des. 154,285
Des. 154,306
Des. 154,307
D48— 2: Des. 154,231
4: Des. 154,338
20: Des. 154,245
Des. 154,258
Des. 154,352
23: Des. 154,302
24: Des. 154,333
27: Des. 154,301
D49— 1: Des. 154,226
Des. 154,288
6: Des. 154,278
D52— 3: Des. 154,293
Des. 154,325
4: Des. 154,353
Des. 154,354
10: Des. 154,232

D54—12: Des. 154,292
13: Des. 154,321
D56— 9: Des. 154,296
D57— 1: Des. 154,230
D58— 6: Des. 154,257
9: Des. 154,263
D61— 1: Des. 154,249
D64—11: Des. 154,732
Des. 154,345
D71— 1: Des. 154,273
D72— 1: Des. 154,274
D74— 5: Des. 154,286
Des. 154,294
Des. 154,298
Des. 154,322
9: Des. 154,234
Des. 154,300
D80— 5: Des. 154,266
8: Des. 154,242
9: Des. 154,350
D81—19: Des. 154,289
D83— 1: Des. 154,346

D85— 2: Des. 154,248
Des. 154,295
Des. 154,330
Des. 154,349
8: Des. 154,265
D86—10: Des. 154,227
Des. 154,228
Des. 154,324
D87— 3: Des. 154,329
5: Des. 154,229
Des. 154,247
D92— 1: Des. 154,250
Des. 154,267
Des. 154,268
Des. 154,269
Des. 154,275
Des. 154,344
D93— 3: Des. 154,347
4: Des. 154,326

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